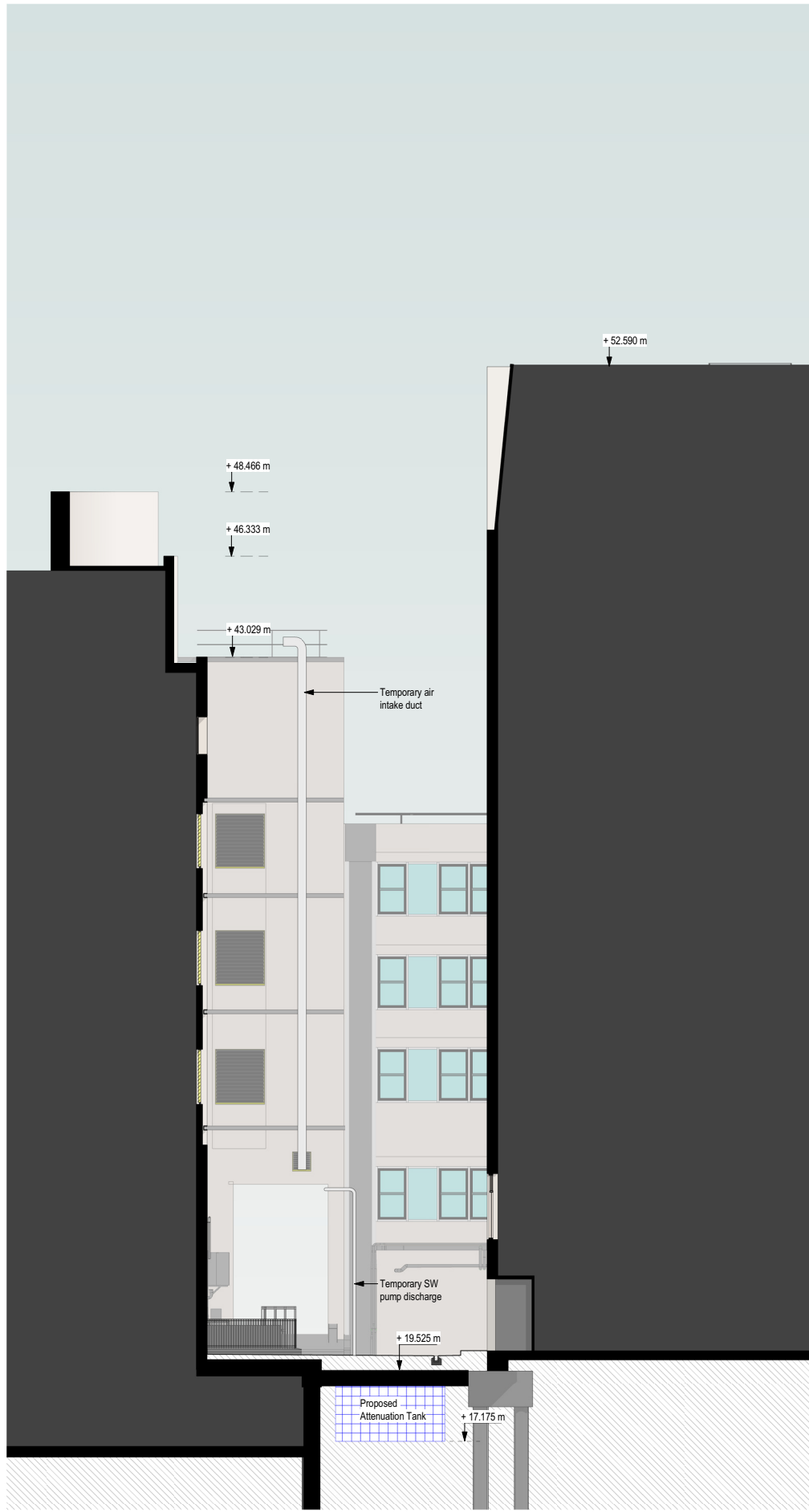


1 South Facing sectional Elevation - Enabling Works
1 : 100

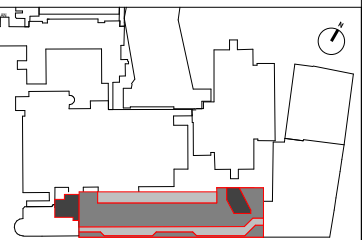


2 North Facing sectional Elevation - Enabling Works
1 : 100

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DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE FOLLOWING BEFORE WORK COMMENCES:
• THE CDM DESIGN ISSUES REGISTER
• THE BDP RISK SERIES OF DRAWINGS
• THE PROJECT CDM RISK REGISTER
CLEAR PLANT ROOM HEIGHTS AT LEVELS 0 AND 9 TO BE CONFIRMED AS PART OF ONGOING STAGE 3 COORDINATION.

NOTES

P01 Planning	MB	MB	27/10/2023
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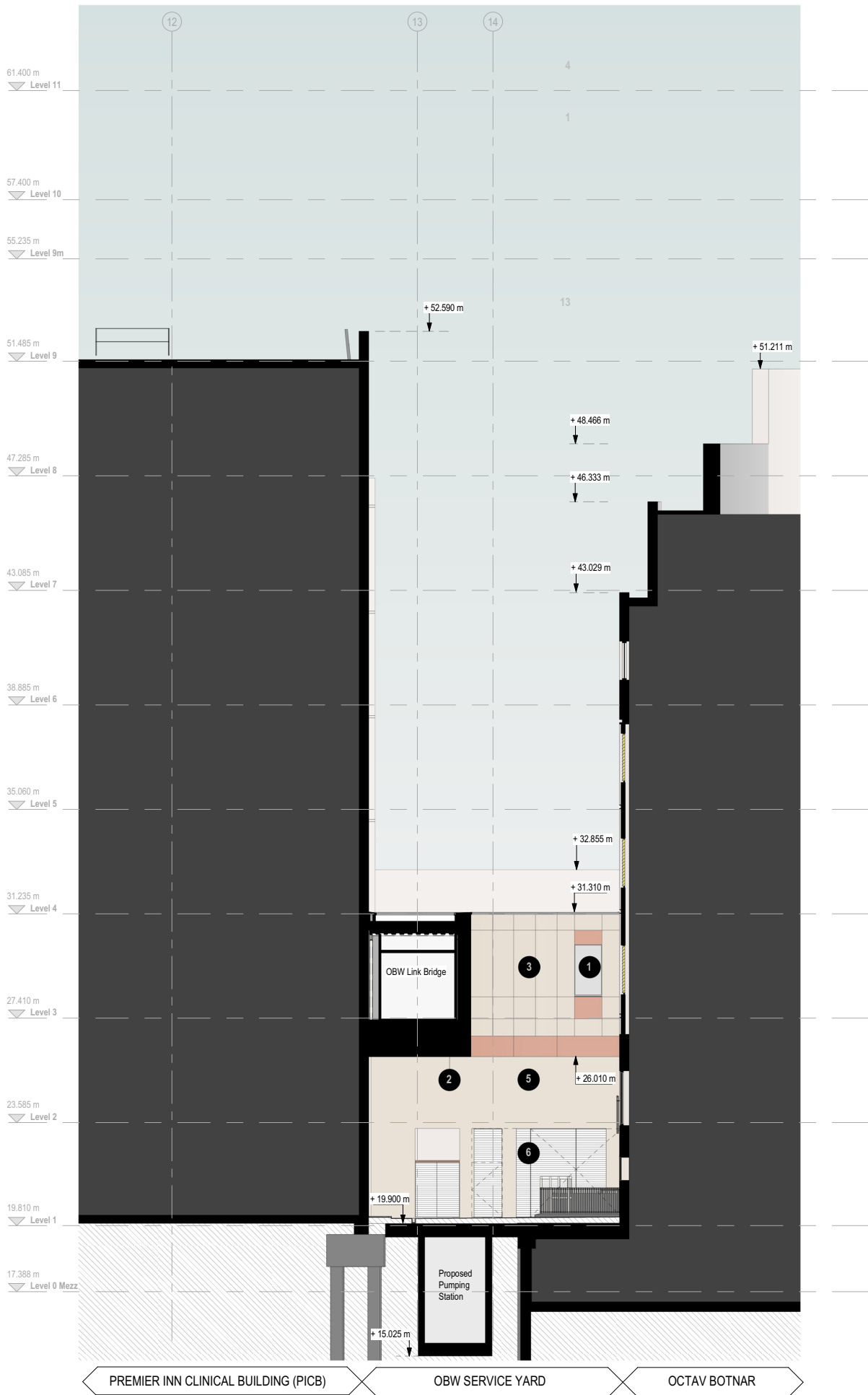
BUILDERS SISK CONTRACTORS John Sisk & Son Ltd 2410 Regents Court The Crescent Birmingham Business Park Birmingham B37 7YE	BDP. 16 Brewhouse Yard Clerkenwell London EC1V 4LJ United Kingdom T +44 (0)20 7812 8000 www.bdp.com
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GOSH Children's Cancer Centre	P2007598
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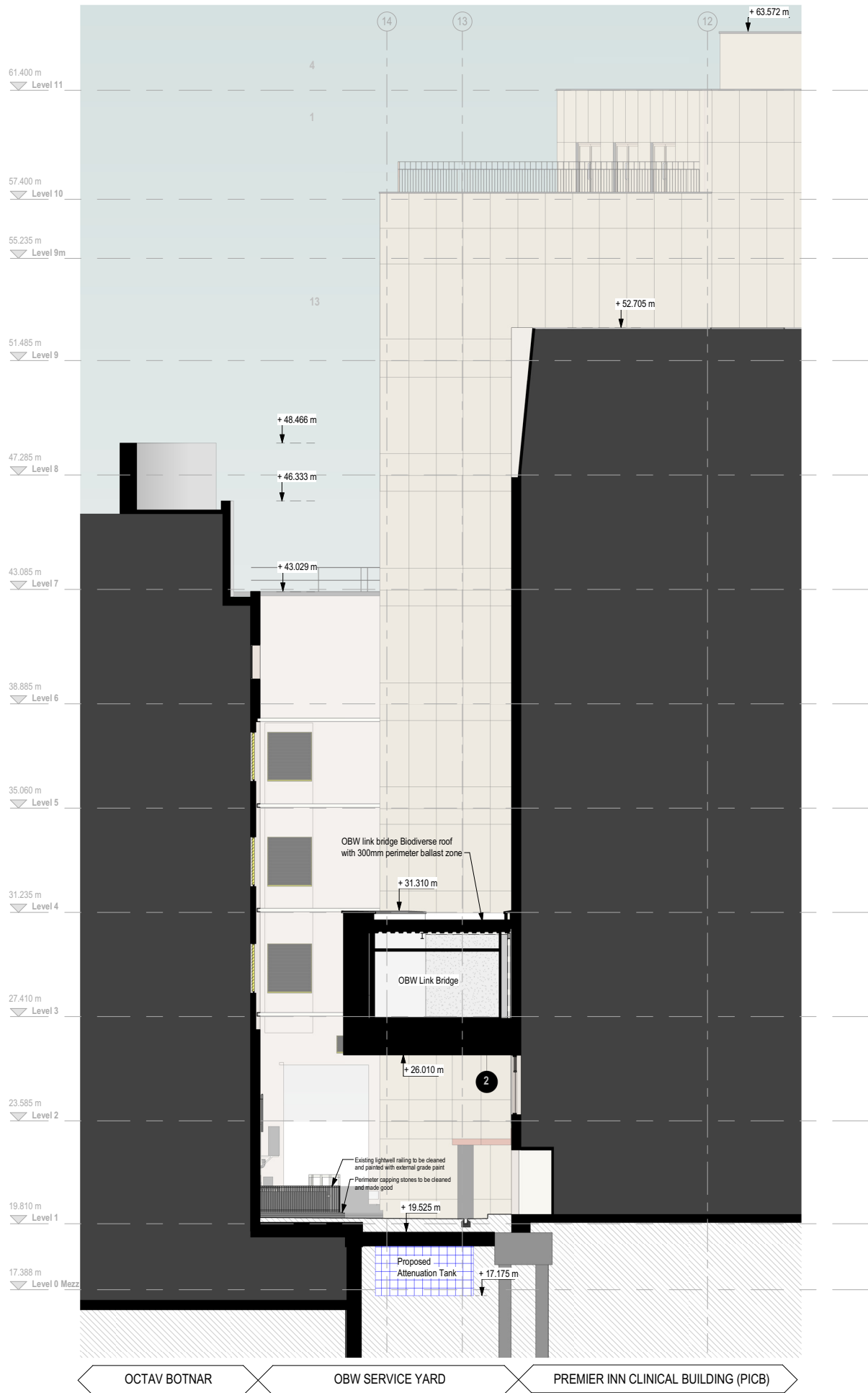
North & South Facing sectional Elevation - Enabling Works

GOSHCCC-BDP-ZZ-ZZ-DR-A-2000-2041

S2 - For Information	1 : 100	@ A1	27/10/2023
PG	MB	BZ	P01



1 South Facing sectional Elevation as Proposed
1:100



2 North Facing sectional Elevation as Proposed
1:100



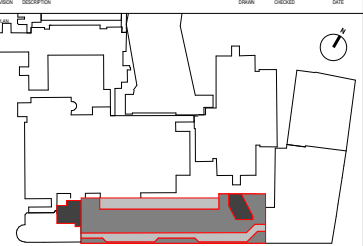
BUILDING DESIGN PARTNERSHIP SHALL HAVE NO RESPONSIBILITY FOR ANY USE MADE OF THIS DOCUMENT OTHER THAN FOR THAT WHICH IT WAS PREPARED AND ISSUED.
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CLEAR PLANT ROOM HEIGHTS AT LEVELS 0 AND 9 TO BE CONFIRMED AS PART OF ONGOING STAGE 3 COORDINATION.

NOTES

Key

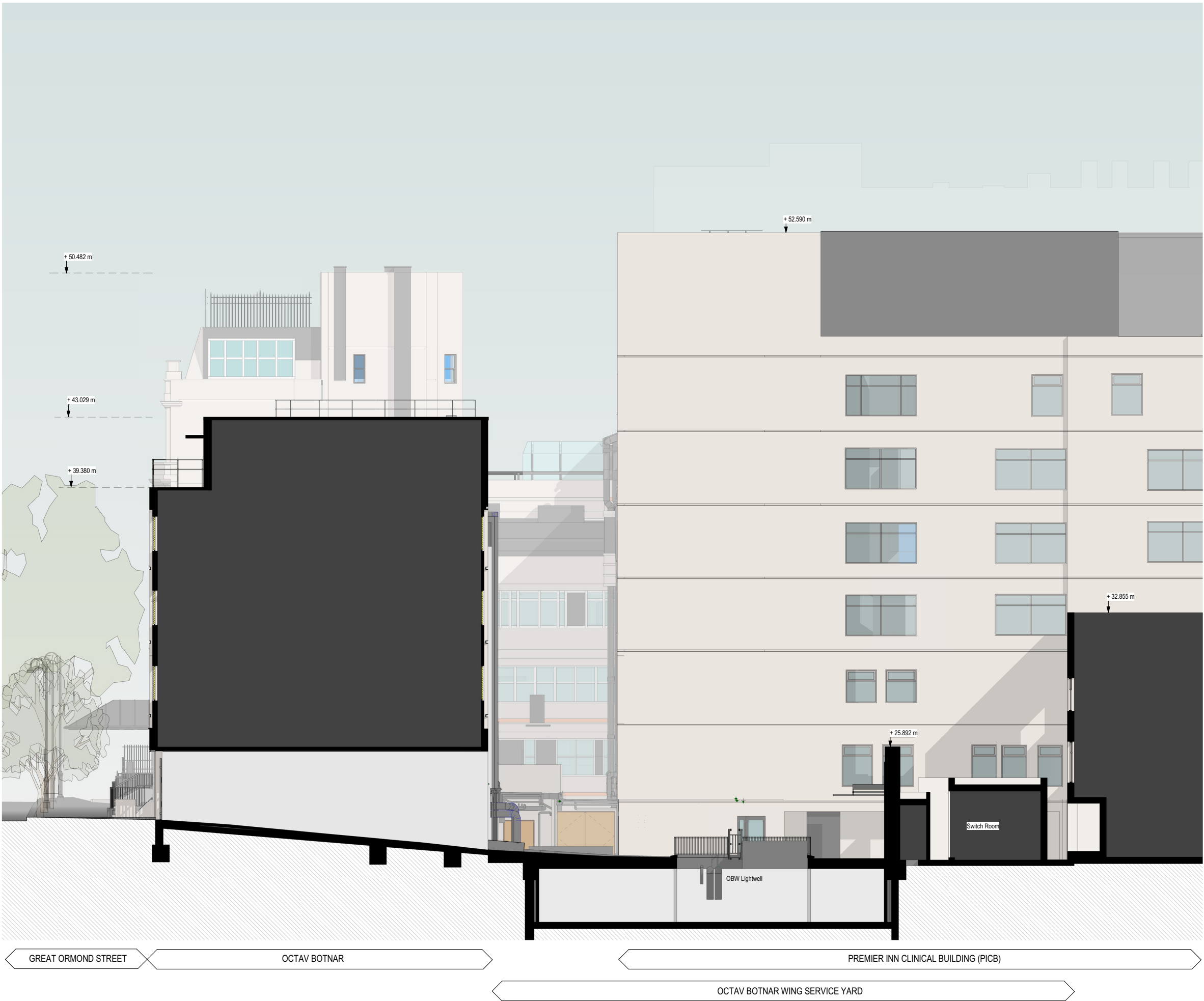
- 1 High performance double glazed window with neutral solar control glass, G-Value 0.34
- 2 Ventilated SwissPearl soffit cladding system
- 3 Ventilated SwissPearl rainscreen cladding system
- 4 Ventilated rainscreen system coloured cill and overpanels
- 5 Render finish concrete wall, colour Buff
- 6 New External metal louvered wall and door assembly replacing existing louvered panels and door, colour TBC
Note: Door height TBC, soffit and FFL levels inside existing plant rooms unknown

P01 Planning MB MB 27/10/2023



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GOSH Children's Cancer Centre		PROJECT NO.	P2007598
North & South Facing sectional Elevation as Proposed			
GOSHCCC-BDP-ZZ-ZZ-DR-A-2000-2051			
S2 - For Information		DATE	27/10/2023
PG	MB	BZ	P01

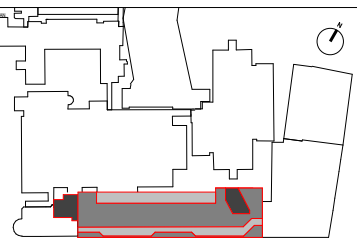


1 East Facing sectional Elevation as Existing
1 : 100

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CLEAR PLANT ROOM HEIGHTS AT LEVELS 0 AND 9 TO BE CONFIRMED AS PART OF ONGOING STAGE 3 COORDINATION.

NOTES

P01	Planning	MB	MB	27/10/2023
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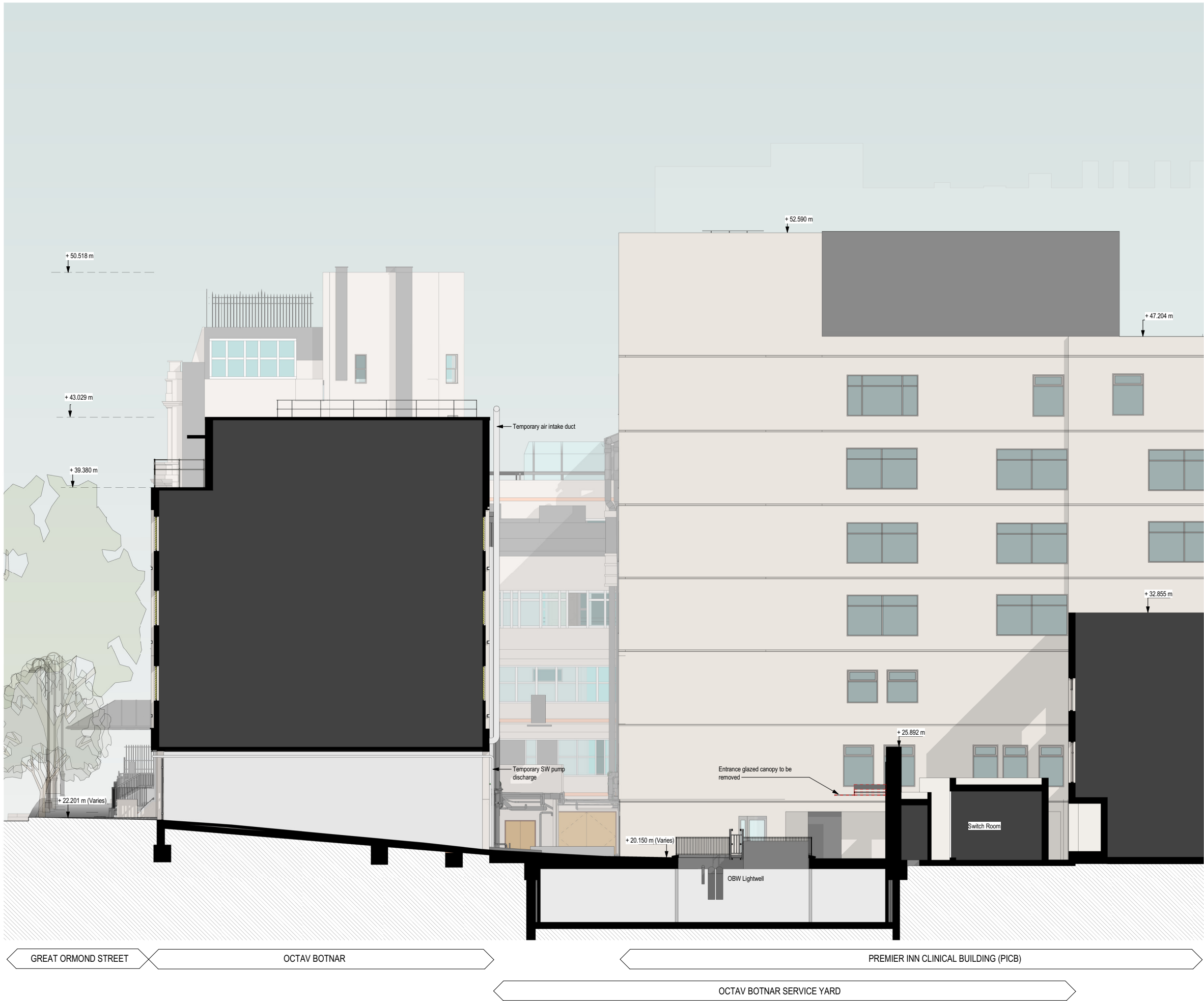


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GOSH Children's Cancer Centre				PROJECT NUMBER P2007598
East Facing sectional Elevation as Existing				
GOSHCCC-BDP-ZZ-ZZ-DR-A-2000-2033				
S2 - For Information		SCALE 1 : 100	DATE 27/10/2023	BY A1
PG	MB	BZ	Planning	P01

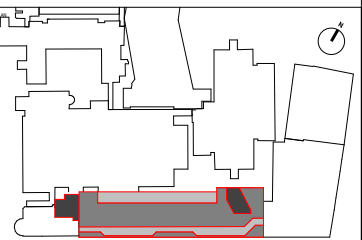


1 East Facing sectional Elevation - Enabling Works
1 : 100

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• THE PROJECT CDM RISK REGISTER
CLEAR PLANT ROOM HEIGHTS AT LEVELS 0 AND 9 TO BE CONFIRMED AS PART OF ONGOING STAGE 3 COORDINATION.

NOTES

P01 Planning	MB	MB	27/10/2023
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GOSH Children's Cancer Centre
P2007598

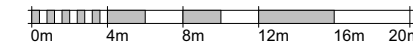
East Facing Sectional Elevation - Enabling Works

GOSHCCC-BDP-ZZ-ZZ-DR-A-2000-2043

S2 - For Information	1 : 100	@ A1	27/10/2023
PG	MB	BZ	Planning
			P01



1 West Facing Sectional Elevation as Proposed
1:100

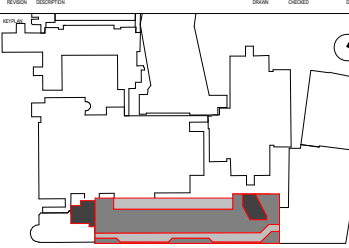



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CLEAR PLANT ROOM HEIGHTS AT LEVELS 0 AND 9 TO BE CONFIRMED AS PART OF ONGOING STAGE 3 COORDINATION.

NOTES

- Key**
- 1 High performance double glazed window with neutral solar control glass. G-Value 0.34
 - 2 Ventilated SwissPearl soffit cladding system
 - 3 Ventilated SwissPearl rainscreen cladding system
 - 4 Ventilated rainscreen system coloured cill and overpanels
 - 5 Render finish concrete wall, colour Buff
 - 6 New External metal louvered wall and door assembly replacing existing louvered panels and door, colour TBC
Note: Door height TBC, soffit and FFL levels inside existing plant rooms unknown

P01 Planning	MB	MB	27/10/2023
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GOSH Children's Cancer Centre		P2007598
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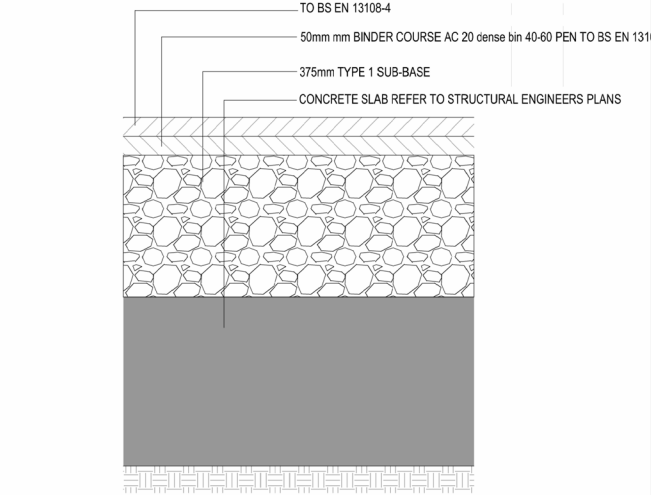
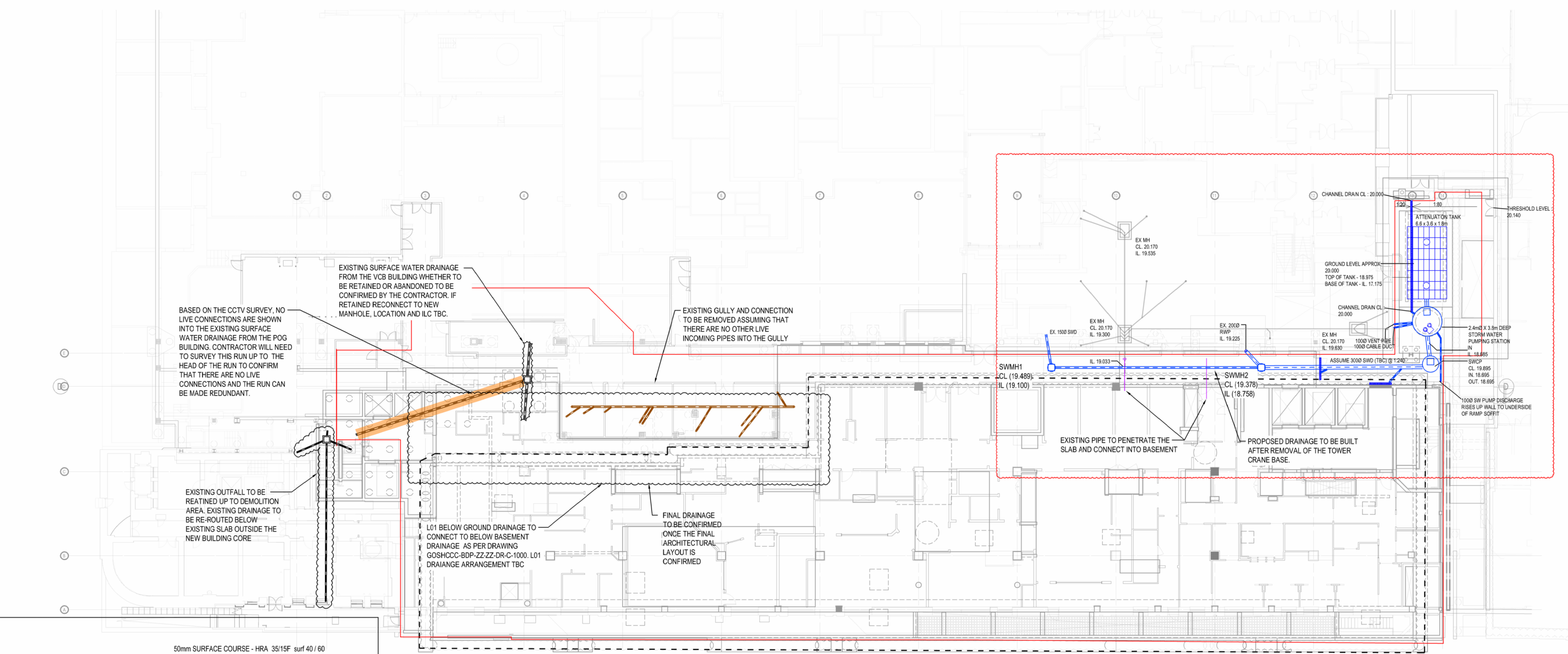
West Facing Sectional Elevation as Proposed

GOSHCCC-BDP-ZZ-ZZ-DR-A-2000-2054

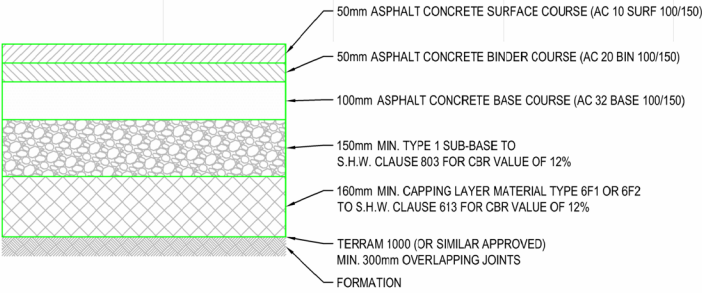
S2 - For Information		DATE	AS INDICATED	AT A1	27/10/2023
PG	MB	BZ	Planning	P01	

A.2 Civil Engineering Proposals

SW PROPOSED MANHOLE SCHEDULE									
NAME	LOCATION	COVER LEVEL INVERT LEVEL	DEPTH	TYPE SIZE	INCOMING PIPE DIA	INCOMING PIPE IL	OUTGOING PIPE DIA	OUTGOING PIPE IL	COVER SIZE
SWCP	E= 530560.1489 N= 182069.0550	19.249 18.099	1.150	Type B 1200 mm	300	18.695	300	18.695	600 x 600
SWMH1	E= 530530.4749 N= 182051.9227	19.489 19.100	0.795	Type D 600 mm	150	19.100	150	19.100	600 x 600
SWMH2	E= 530547.0420 N= 182061.4877	19.378 18.758	1.137	Type D 600 mm	150 225	18.909 18.909	300	18.758	600 x 600



BUILD UP DETAIL ABOVE ATTENUATION TANK
1:10



NOTES:

- PAVING FOUNDATION DESIGNED FOR FOUNDATION CLASS 2 TO IAN 7306. NOT DESIGNED FOR CONSTRUCTION TRAFFIC.
- THE SUBGRADE CBR VALUE MUST BE CHECKED ON SITE BEFORE FOUNDATION CONSTRUCTION STARTS. IN ACCORDANCE WITH IAN 7306 CLAUSE 893 AND MUST BE EQUAL TO, OR BE GREATER THAN, THE DESIGN CBR.
- IF THE IN-SITU CBR IS FOUND TO BE LESS THAN THE DESIGN CBR, THEN THE SUBGRADE MUST EITHER BE IMPROVED TO THE DESIGN CBR OR THE FOUNDATION REDESIGNED IN ACCORDANCE WITH THE TABLE BELOW.
- IF THE IN-SITU CBR IS FOUND TO BE LESS THAN 2.5%, THE SUBGRADE MUST BE IMPROVED IN ACCORDANCE WITH IAN 7306 SECTION 5. THE NEW DESIGN CBR SHOULD BE ASSUMED TO BE EQUIVALENT TO 2.5% IN ORDER TO ALLOW FOR EFFECTS OF ANY SOFTER UNDERLYING MATERIAL AND POTENTIAL REDUCTION IN THE STRENGTH OF THE REPLACEMENT MATERIAL TO ITS LONG TERM CBR VALUE.
- THE SUB-BASE CAN BE REDUCED AND A CAPPING LAYER CAN BE ADDED TO THE FOUNDATION IN ACCORDANCE WITH THE TABLE BELOW.

CBR VALUES	2.5%	3%	4%	5%	8%	≥12%
SUB-BASE	350	320	270	240	200	150
CAPPING LAYER	260	240	220	200	180	160
SUB-BASE ONLY	450	400	300	350	220	190

SERVICE YARD BUILD UP
1:10



LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BASEMENT OUTLINE
- EXISTING COMBINED WATER DRAINAGE TO BE RETAINED
- EXISTING DRAINAGE TO BE ABANDONED
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED FOUL WATER DRAINAGE
- EXISTING SURFACE WATER MANHOLE/INSPECTION CHAMBER
- EXISTING SURFACE WATER GULLY
- EXISTING COMBINED WATER MANHOLE/INSPECTION CHAMBER
- CAST IN-SITU SURFACE WATER MANHOLE
- CAST IN-SITU FOUL WATER MANHOLE
- PROPOSED FOUL WATER RODDING EYE
- PROPOSED FOUL WATER STUB STACK



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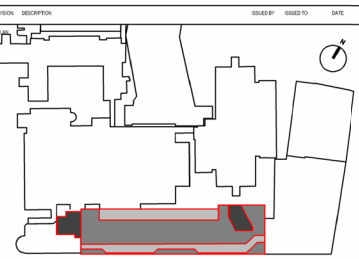
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- THE CDM DESIGN ISSUES REGISTER
- THE BDP RISK SERIES OF DRAWINGS
- THE PROJECT CDM RISK REGISTER

NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. WHERE THERE APPEARS TO BE A CONFLICT BETWEEN DIMENSIONS OR WHERE DIMENSIONS CANNOT BE DETERMINED FROM THE DRAWINGS, CONSULT THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL:
 - VERIFY EXISTING UTILITIES BEFORE STARTING WORKS.
 - VERIFY THE DIMENSIONS SHOWN ON THE DRAWINGS BEFORE FABRICATION, SETTING OUT OR EXCAVATION OF THE WORK, AND SHALL BE HELD RESPONSIBLE FOR ANY ERRORS OR INACCURACIES RESULTING FROM FAILURE TO DO SO.
 - CHECK AND VERIFY THE LOCATION AND LEVELS ALL EXISTING DRAINS, SEWERS, INSPECTION CHAMBERS AND MANHOLES AGAINST DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- CONNECTIONS TO THE PUBLIC SEWER ARE SUBJECT TO SECTION 106 OF THE WATER INDUSTRY ACT 1991 APPROVAL. NO WORKS AFFECTING THE PUBLIC SEWER MAY BE CARRIED OUT WITHOUT THAMES WATER'S WRITTEN CONSENT.
- ALL DRAINAGE POINTS/COVERS SETTING OUT TBC BY THE ARCHITECT.
- ALL DRAINAGE BELOW SLAB AND ALL DRAINAGE OUTSIDE BUILDING FOOTPRINT IN PROXIMITY OF FOUNDATIONS TO BE CAST IN-CON.
- ROCKER PIPES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.
- ALL INTERNAL MANHOLES TO HAVE DOUBLE SEAL RECESSED COVERS.
- INTERNAL MANHOLES TO BE CAST IN-SITU WITH SLAB.
- ALL PROPRIETARY PRODUCTS / SYSTEMS TO BE VERIFIED BY THE MANUFACTURER AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION / DETAILS.
- ALL DRAINAGE TO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH BS EN 12056-1:2000, BS EN 752:2017, AND BS EN 1816:2015.
- AN ASSUMPTION HAS BEEN MADE THAT DRAINAGE FROM HOT AREAS IS NOT NEEDED TO BE TEMPORARILY HELD TO REDUCE ITS LIFE EXPECTANCY.
- DRG. NO. RACP-0028-001 REV G ISSUED BY SKANSKA SHOWS A 7.0m X 2.5m X 2.4m DEEP POLYSTYRENE ATTENUATION STORAGE COMPRISING OF 210 CRATES (0.4 X 0.5 X 1.0 m). ACTUAL STORAGE = 39.3m³. TOP OF CRATES 0.8m BGL ('19.000), BOTTOM OF CRATES 3.2m BGL ('16.000).
- DRG. NO. RACP-0028-001 REV G ISSUED BY SKANSKA SHOWS A 2.4m DIAMETER X 2.8m DEEP SURFACE WATER PUMP FABRICATED GRP PUMP CHAMBER. DISCHARGE RATE 8 l/s AGAINST 1m HEAD (3 NO. PUMPS AND 1 NO. STAND-BY PUMPS).
- DRG. NO. RACP-0028-001 REV G ISSUED BY SKANSKA SHOWS AN EXISTING FOUL WATER PUMP CHAMBER INTO THE FRONTAGE BUILDING WHICH SERVES THE ADJACENT VOB BUILDING. THE CHARACTERISTICS OF THE PUMP CHAMBER ARE UNKNOWN; HOWEVER, AN ALLOWANCE SHOULD BE MADE TO RELOCATE THE EXISTING FOUL WATER PUMP CHAMBER AT LEVEL 00.
- INTERNAL MANHOLE COVERS TO BE SEALED.

P05	REVISION CLOUD ADDED	MAF	TP	13.09.23
P04	PRELIMINARY STAGE 4 PACKAGE ISSUE	MAF	TP	21.07.23
P03	ON CORRECTIONS MADE	SZ	TC	01.02.23
P02	ALIGNMENT TO STAGE 4 BASIS OF DESIGN	SZ	TC	30.01.23
P01	STAGE 3	ALC		22.04.22



CONTRACTOR

John Sisk & Son Ltd
2410 Regents Court
The Crescent
Birmingham Business Park
Birmingham
B37 7YE

DESIGN/ISSUED BY

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Clerkenwell
London
EC1V 4LJ
United Kingdom
T +44 (0)20 7812 8000
www.bdp.com

PROJECT TITLE

Great Ormond Street Hospital
Children's Cancer Centre

PROJECT NO.

P2007598

DESCRIPTION

Below Ground Drainage Layout
Level 01

REFERENCE

GOSHCCC-BDP-BDP-ZZ-ZZ-DR-C-1100-1001

DISSEMINATION

S2 - For Information

SCALE

1:200

DATE

22/04/22

BY

ALC

CHECKED BY

-

APPROVED BY

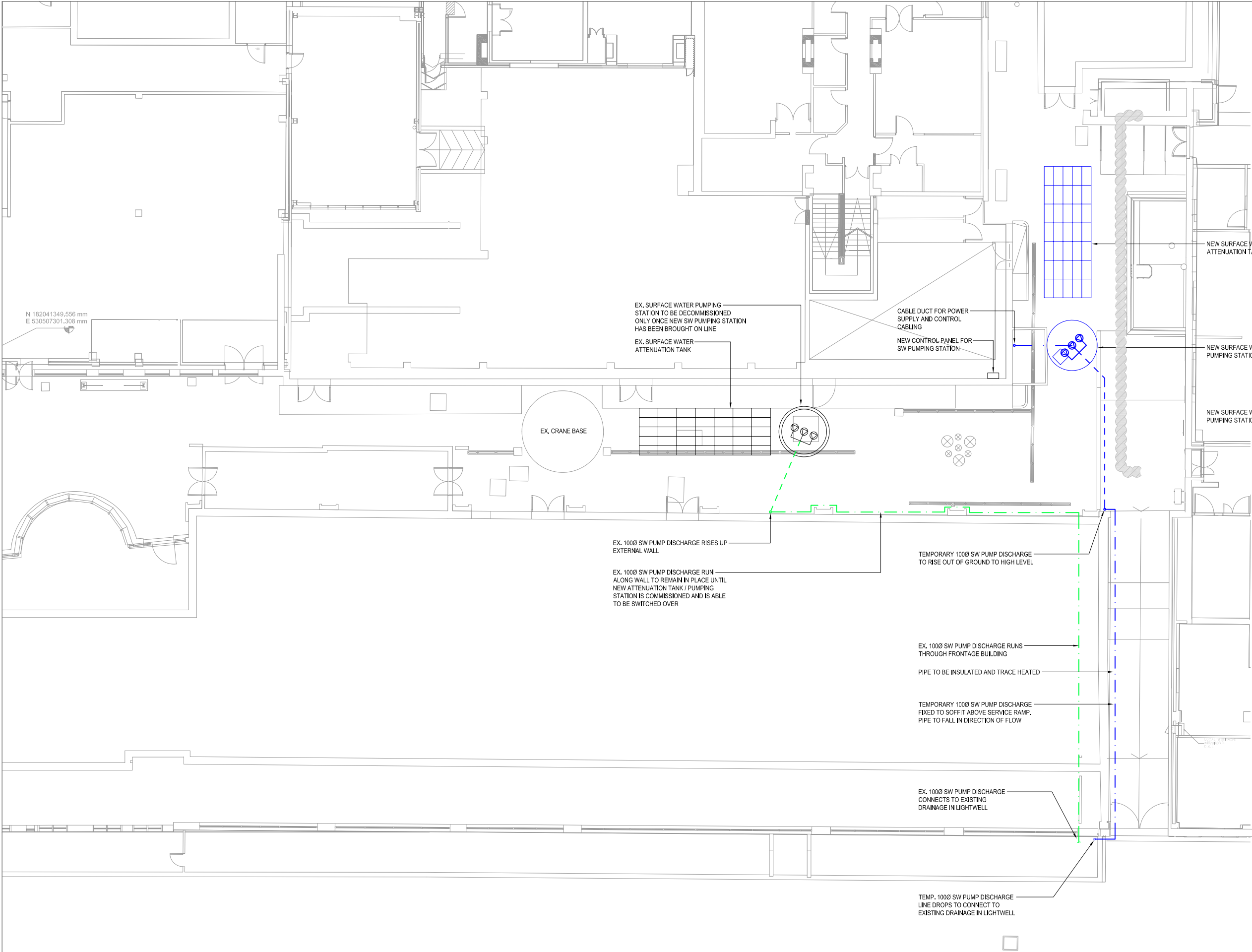
-

DESIGNED BY

Preliminary

ISSUED BY

P06



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NOTES

1. ALL CHANGEOVERS FROM EXISTING TO NEW INSTALLATION TO BE CARRIED OUT AT A TIME WHEN THE EXISTING SYSTEM IS DEEMED TO HAVE LOW USE AND MUST BE AGREED WITH THE TRUST PRIOR TO ANY WORKS BEING UNDERTAKEN.
2. ATTENUATION TANK AND PUMPING STATION INDICATED FOR REFERENCE PURPOSES ONLY. FOR DETAILS OF BELOW GROUND DRAINAGE PLEASE REFER TO CIVIL DRAWINGS.
3. THE TESTING OF ALL TEMPORARY PIPEWORK AND THE COMMISSIONING AND TESTING OF THE SW PUMPING STATION TO BE CARRIED OUT BEFORE ANY CHANGEOVERS ARE UNDERTAKEN.

LEGEND:

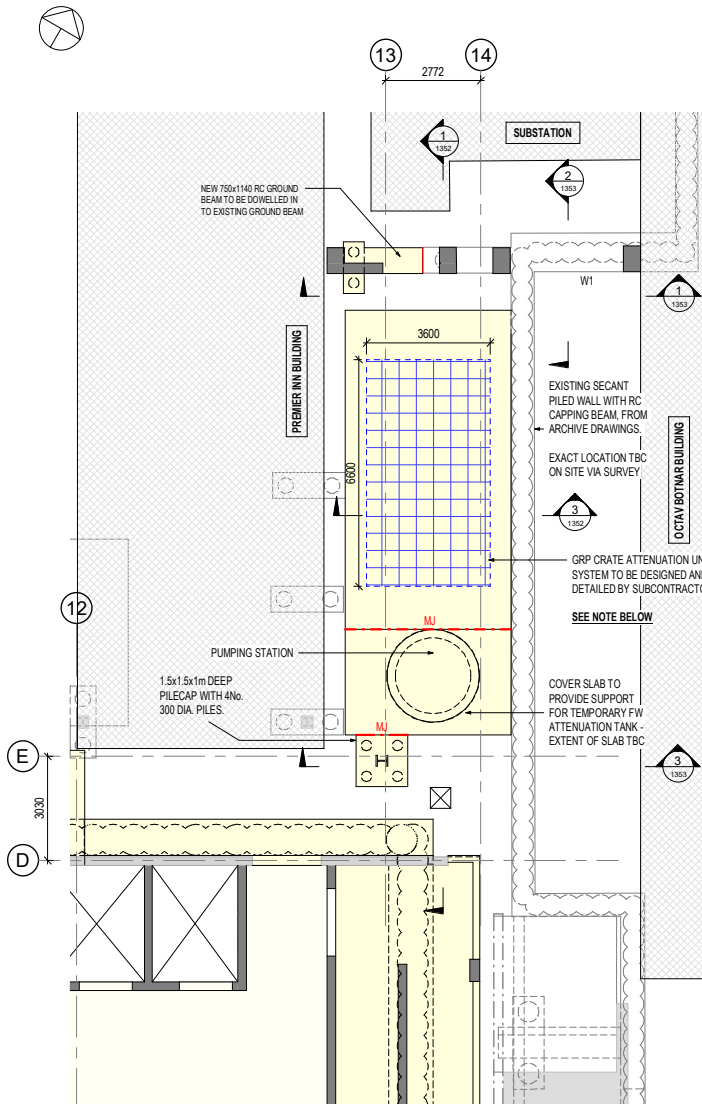
- EXISTING SW PUMP DISCHARGE
- NEW TEMPORARY SW PUMP DISCHARGE



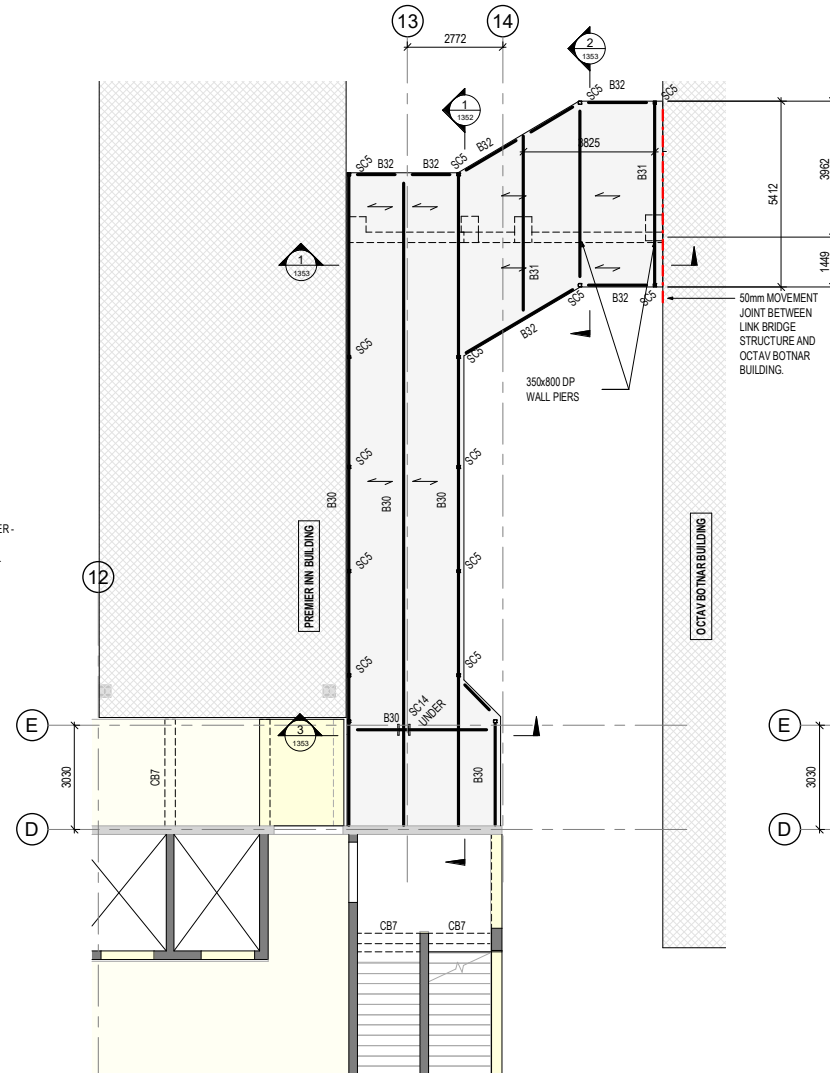
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Great Ormond Street Hospital Children's Cancer Centre			P2007598	
Advanced Works - Interface 63 - Surface Water Temporary Pumped Discharge Proposals				
GOSHCCC-BDP-XX-01-DR-P-5200-0003				
S3 - Suitable for Review & Comment			1:100 @ A1	13/10/23
SAC	KHF	MH	RIBA Stage 4	P01

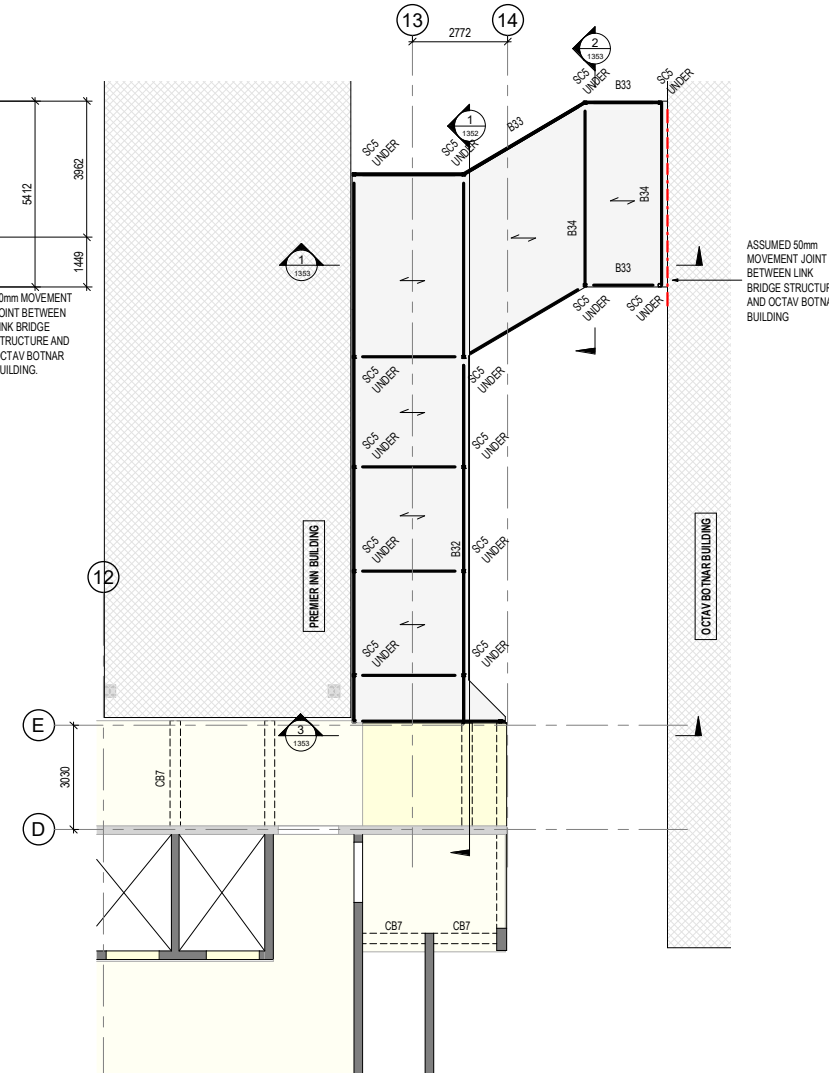
A.3 Structural Engineering Proposals



LEVEL 1
1 : 100

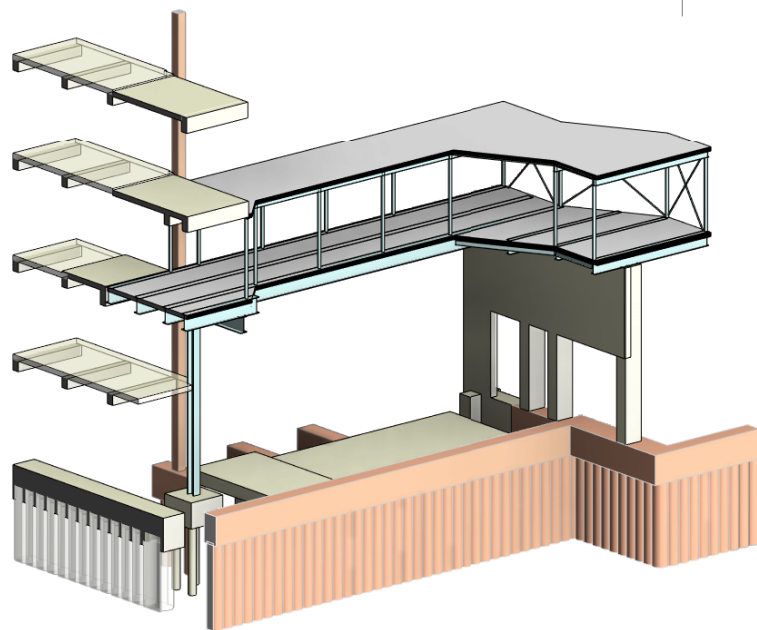


LEVEL 3
1 : 100



LEVEL 4
1 : 100

ASSUMED 50mm
MOVEMENT JOINT
BETWEEN LINK
BRIDGE STRUCTURE
AND OCTAV BOTNAR
BUILDING



3D View-Bridge

REF	DESCRIPTION
[1]	INSTALLATION OF NEW STAIR AND LIFT CORES IN CLOSE PROXIMITY TO EXISTING RETAINED STRUCTURES. SURVEY TO BE UNDERTAKEN TO CONFIRM CLEARANCES.
[2]	CREATION OF NEW BASEMENT AND INSTALLATION OF SECANT PILED WALL IN CLOSE PROXIMITY TO EXISTING RETAINED STRUCTURES. SURVEY TO BE UNDERTAKEN TO CONFIRM FOUNDATION SETTING OUT. MONITORING STRATEGY TO BE IN PLACE DURING CONSTRUCTION TO AVOID EXCESSIVE STRAIN IN EXISTING BUILDING.
[3]	DEEP EXCAVATION FOR BASEMENT REQUIRES SUITABLE EDGE PROTECTION TO PREVENT FALLS.
[4]	CONSTRUCTION OF NEW FOUNDATIONS IN CLOSE PROXIMITY TO SUBSTRUCTURE OF EXISTING ADJACENT BUILDINGS. SURVEY TO BE UNDERTAKEN TO CONFIRM CLEARANCES.
[5]	EXISTING SERVICES TRENCH IN YARD. NEW FOUNDATIONS TO AVOID TRENCH OR SERVICES TO BE DIVERTED PRIOR TO CONSTRUCTION.
[6]	LIFTING OF HEAVY ITEMS INCLUDING TRUSS IN CLOSE PROXIMITY TO EXISTING ADJACENT BUILDINGS.
[7]	INSTALLATION OF NEW STRUCTURE ON EXISTING VCB ROOF. EXISTING STRUCTURE TO BE CHECKED FOR ADDITIONAL LOADING. STRENGTHENING MIGHT BE REQUIRED.
[8]	RISK OF VEHICLE IMPACT TO COLUMNS IN SERVICE YARD SPACE. COLUMNS DESIGNED FOR VEHICLE IMPACT LOAD. CONTRACTOR TO ENSURE TEMPORARY STABILITY AND SAFE ACCESS FOR VEHICLES DURING CONSTRUCTION OF LINK STRUCTURE.
[9]	CREATION OF BASEMENT BELOW WATER TABLE. DESIGN PROPOSALS TO BE DEVELOPED TO ROBUST WATERPROOFING GRADES AS IT CONTAINS CRITICAL PLANT. DEWATERING TO BE CONSIDERED DURING THE TEMPORARY CASE.
[10]	SECANT WALL INSTALLED BELOW EXISTING PAVEMENT MIGHT CAUSE CLASH WITH EXISTING SERVICES. SURVEY TO BE CARRIED OUT AND SERVICES TO BE DIVERTED IF NECESSARY.
[11]	SETTLEMENT PILES TO AVOID EXISTING PILES. LOCATION AND NATURE OF EXISTING BUILDING FOUNDATIONS UNKNOWN. SURVEY TO BE UNDERTAKEN DURING DEMOLITION PROCESS.
[12]	ASBESTOS MIGHT BE FOUND IN EXISTING BUILDING. SURVEY TO BE SCOPED.
[13]	RISK OF VEHICLE IMPACT TO STRUCTURES ON SOUTHERN SIDE. STRUCTURES TO BE DESIGNED TO RESIST IMPACT LOAD.

MARK	TYPE
B1	UC203x203x46
B2	UKC305x305x198
B3	UKC305x305x137
B5	UKC254x254x89
B6	SHS 80x80x10
B8	UB203x133x25
B9	RH8400x200x10
B10	UKC152x152x23
B11	UKC305x305x240
B12	UKC203x203x100
B13	UC305x305x118
B15	UKC203x203x71
B20	UKC305x305x263
B22	UKC203x203x60
B27	UC305x305x67
B30	UB610x305x149
B31	UBS33x210x101
B32	UB178x102x19
B33	SHS100x100x10
B34	UB254x146x37
B35	SHS100x100x8
B36	UB914x419x343
B37	UB914x419x388
B38	UKPFC150x90x24
B39	UC152x152x37
B40	SHS200x200x12.5
B41	SHS300x300x12.5

MARK	TYPE
SC1	UKC152x152x23
SC3	UC152x152x37
SC4	UKC203x203x60
SC5	SHS 100x100x10
SC9	UKC254x254x132
SC13	SHS100x100x8
SC14	UC305x305x240
SC15	CHS457x10
SC16	RH200x100x12.5
SC17	SHS200x200x12.5
SC18	SHS300x300x12.5

MARK	TYPE
W1	300 RC WALL
W2	250 RC LINER WALL
W3	250 RC WALL
W4	150 RC WALL
W6	225 RC WALL
W7	200 RC WALL

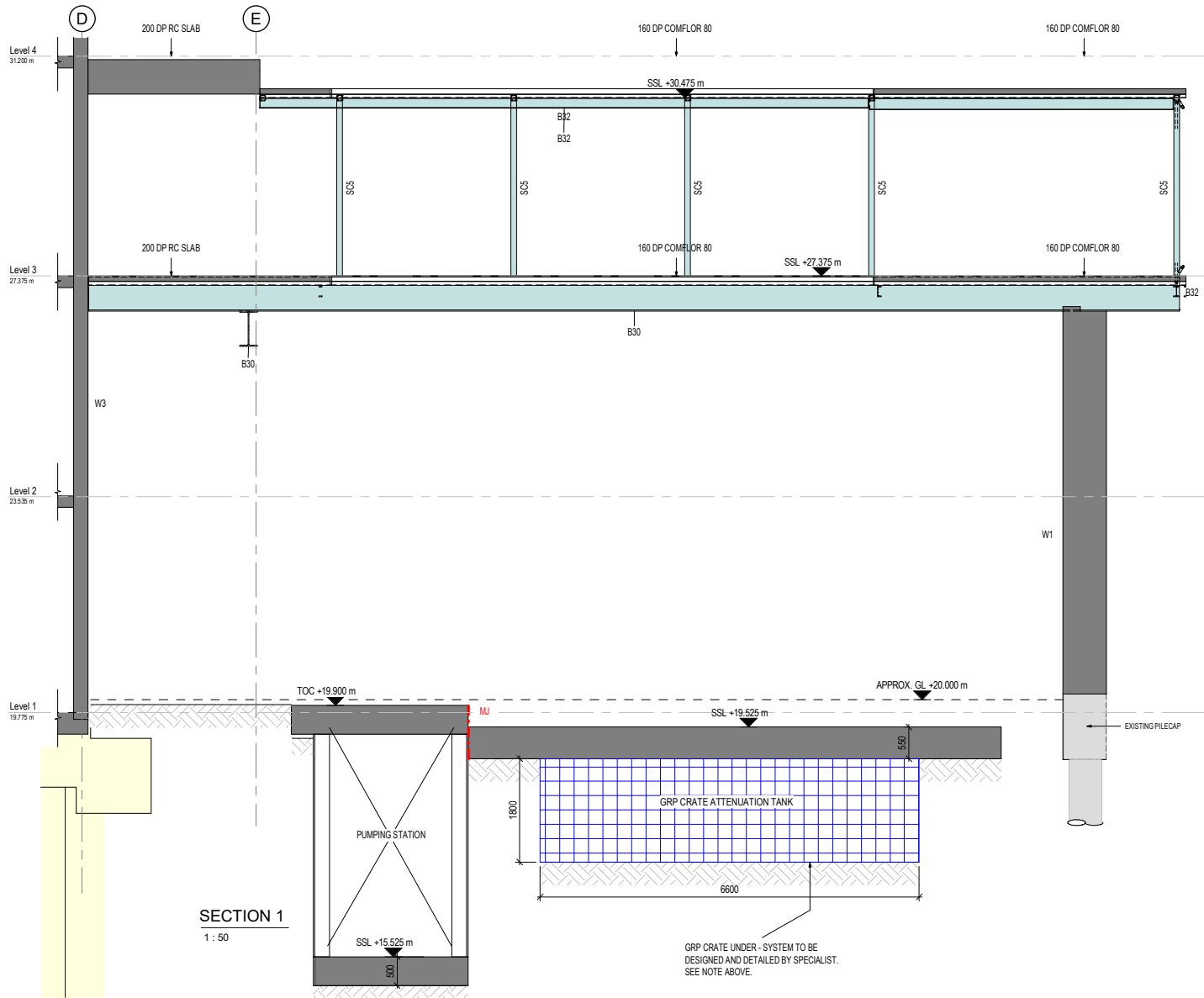
Note:
BDP do not recommend the use of crated attenuation tanks in areas with high groundwater as there is a risk that workmanship issues during installation can lead to defects in the water protection system, which ultimately causes the tank to leak and require replacement. SISK has instructed the use of a crated system due to construction risks associated with other solutions.

It should be noted that the design responsibility for the crated system sits fully with the crate supplier. BDP will provide actions, loads and design of the concrete cover slab over the attenuation tank, but the supplier will be fully responsible for the review of this information and the validation of the crate design and the design of the membrane around the crates under these actions, and of the effects of the crates on the soil under.

LEGEND	
	CDM RISK, REFER TO SCHEDULE
	EXISTING STRUCTURE IN SECTION
	EXISTING STRUCTURE SURFACE
	IN SITU CONCRETE IN SECTION
	IN SITU CONCRETE SURFACE
	STEEL SURFACE
	RECESS IN SLAB
	50mm MOVEMENT JOINT
	EXISTING STEEL BEAM
	NEW STEEL BEAM
	MOMENT CONNECTION
	THERMAL BREAK CONNECTOR (ANCON ISOTEC OR SIMILAR)
	160 COMPOSITE SLAB WITH 120mm GAUGE COMFLOR 80 DECK
	200 COMPOSITE SLAB WITH 120mm GAUGE COMFLOR 80 DECK
	150 COMPOSITE SLAB WITH 120mm GAUGE COMFLOR 80 DECK

Note:
BDP do not recommend the use of crated attenuation tanks in areas with high groundwater as there is a risk that workmanship issues during installation can lead to defects in the water protection system, which ultimately causes the tank to leak and require replacement. SISK have instructed the use of a crated system due to construction risks associated with other solutions.

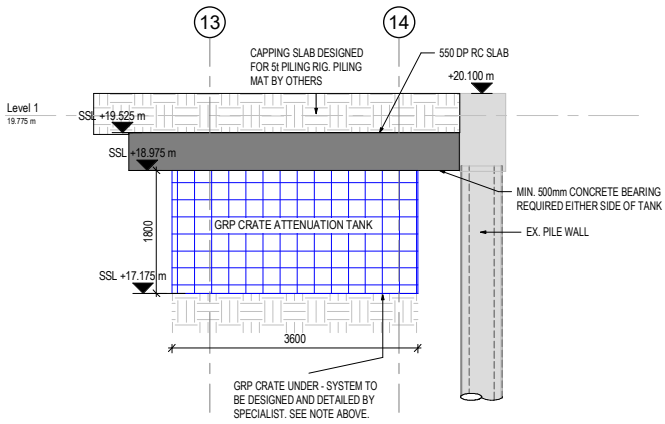
It should be noted that the design responsibility for the crated system sits fully with the crate supplier. BDP will provide actions, loads and design of the concrete cover slab over the attenuation tank, but the supplier will be fully responsible for the review of this information and the validation of the crate design and the design of the membrane around the crates under these actions, and of the effects of the crates on the soil under.



STEEL BEAM SCHEDULE	
MARK	TYPE
B1	UC203x203x46
B2	UKC305x305x198
B3	UKC305x305x137
B5	UKC254x254x89
B6	SHS 80x80x10
B8	UB203x133x25
B9	RHS400x200x10
B10	UKC152x152x23
B11	UKC305x305x240
B12	UKC203x203x100
B13	UC305x305x118
B15	UKC203x203x71
B20	UKC305x305x283
B22	UKC203x203x60
B27	UC305x305x97
B30	UB610x305x149
B31	UB533x210x101
B32	UB178x102x19
B33	SHS100x100x10
B34	UB254x146x37
B35	SHS100x100x8
B36	UB914x419x343
B37	UB914x419x388
B38	UKPFC150x90x24
B39	UC152x152x37
B40	SHS200x200x12.5
B41	SHS300x300x12.5

LEGEND	
	IN SITU CONCRETE IN SECTION
	IN SITU CONCRETE SURFACE
	STEEL SURFACE

STEEL COLUMN SCHEDULE	
MARK	TYPE
SC1	UKC152x152x23
SC3	UC152x152x37
SC4	UKC203x203x60
SC5	SHS 100x100x10
SC9	UKC254x254x132
SC13	SHS100x100x8
SC14	UC305x305x240
SC15	CHS457x10
SC16	RHS200x100x12.5
SC17	SHS200x200x12.5
SC18	SHS300x300x12.5



SECTION 2
1 : 50