NEXTDC DATA CENTRE - SHIRAZ 4

16 JOHNSTON CRESCENT, HORSLEY PARK, NSW 2175 AUSTRALIA

STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

LOCALITY PLAN
NTS

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

NOTE:
1. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ASSOCIATED SPECIFICATION
2. DO NOT SCALE FROM DRAWINGS
3. CONFIRM ALL MEASUREMENTS ON SITE
4. CHECK ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES
5. ENSURE COORDINATION WITH OTHER TRADES ON SITE.
6. ASL = ABOVE SLAB LEVEL

PRINCIPAL CONSULTANTS

Architect: HDR

Services: AURECON

Structural: TTW

PRINCIPAL CONTRACTOR

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TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

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Drawing title
COVER SHEET

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
NTS	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-0000	2

GENERAL

1. THESE DRAWINGS ARE FOR STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA) ONLY, NOT FOR CONSTRUCTION. DRAWINGS SUBJECT TO CHANGE AT DETAILED DESIGN STAGE.
2. ARCHITECTURAL INFORMATION PROVIDED BY HDR (DATED 09/02/2024). THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONTRACT DOCUMENTS. ALLOW FOR ALL ITEMS SHOWN ON ARCHITECTURAL AND OTHER DRAWINGS AS NOT ALL ITEMS ARE SHOWN ON THE STRUCTURAL/CIVIL WORKS DRAWINGS.

BOUNDARIES AND EASEMENTS

1. THE PROPERTY BOUNDARY AND EASEMENT LOCATIONS SHOWN ON TAYLOR THOMSON WHITTING DRAWING'S HAVE BEEN BASED ON INFORMATION RECEIVED FROM : USHER & COMPANY, SURVEYING & LAND DEVELOPMENT CONSULTANTS

2. TAYLOR THOMSON WHITTING MAKES NO GUARANTEES THAT THE BOUNDARY OR EASEMENT INFORMATION SHOWN IS CORRECT. TAYLOR THOMSON WHITTING WILL ACCEPT NO LIABILITIES FOR BOUNDARY INACCURACIES. THE CONTRACTOR/BUILDER IS ADVISED TO CHECK/CONFIRM ALL BOUNDARIES IN RELATION TO ALL PROPOSED WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. BOUNDARY INACCURACIES FOUND ARE TO BE REPORTED TO THE SUPERINTENDENT PRIOR TO CONSTRUCTION STARTING.

SURVEY

ORIGIN OF LEVELS:	-
DATUM OF LEVELS:	AHD
COORDINATE SYSTEM:	M.G.A
SURVEY PREPARED BY:	EGIS GROUP
SETOUT POINTS:	-

1. TAYLOR THOMSON WHITTING DOES NOT GUARANTEE THAT THE SURVEY INFORMATION SHOWN ON THESE DRAWINGS IS ACCURATE AND WILL ACCEPT NO LIABILITY FOR ANY INACCURACIES IN THE SURVEY INFORMATION PROVIDED TO US FROM ANY CAUSE WHATSOEVER.

UNDERGROUND SERVICES - WARNING

1. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ON TAYLOR THOMSON WHITTINGS DRAWINGS HAVE BEEN PLOTTED FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES. THIS INFORMATION HAS BEEN PREPARED SOLELY FOR THE AUTHORITIES OWN USE AND MAY NOT NECESSARILY BE UPDATED OR ACCURATE.
2. THE POSITION OF SERVICES AS RECORDED BY THE AUTHORITY AT THE TIME OF INSTALLATION MAY NOT REFLECT CHANGES IN THE PHYSICAL ENVIRONMENT SUBSEQUENT TO INSTALLATION.
3. THE CONTRACTOR MUST CONFIRM THE EXACT LOCATION AND EXTENT OF SERVICES PRIOR TO CONSTRUCTION AND NOTIFY ANY CONFLICT WITH THE DRAWINGS IMMEDIATELY TO THE ENGINEER/SUPERINTENDENT.
4. THE CONTRACTOR IS TO GET APPROVAL FROM THE RELEVANT STATE SURVEY DEPARTMENT, TO REMOVE/ADJUST ANY SURVEY MARK. THIS INCLUDES BUT IS NOT LIMITED TO; STATE SURVEY MARKS (SSM), PERMANENT MARKS (PM), CADASTRAL REFERENCE MARKS OR ANY OTHER SURVEY MARK WHICH IS TO BE REMOVED OR ADJUSTED IN ANY WAY.
5. TAYLOR THOMSON WHITTING PLANS DO NOT INDICATE THE PRESENCE OF ANY SURVEY MARK. THE CONTRACTOR IS TO UNDERTAKE THEIR OWN SEARCH.

DESIGN AND CONSTRUCT DOCUMENTATION

1. THE CONTRACTOR SHALL RETAIN THE RESPONSIBILITY TO UNDERTAKE DETAILED DESIGN, CONFIRM COMPLIANCE WITH RELEVANT STANDARDS, CONSENT CONDITIONS & THE SPECIFICATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE FINAL DESIGN IS CO-ORDINATED FULLY WITH OTHER CONSULTANTS.
3. NO VARIATION WILL BE ACCEPTED FOR DESIGN AMENDMENTS REQUIRED TO MEET THE FUNCTIONAL OBJECTIVE OF THIS DOCUMENTATION.

DIAL BEFORE YOU DIG (DBYD)

1. PUBLIC SERVICE UTILITY INFORMATION SHOWN ON PLAN HAS BEEN COMPLIED FROM INFORMATION RECEIVED FROM DIAL BEFORE YOU DIG INQUIRY, REFERENCE NUMBER No.34022573 OBTAINED ON 17.04.2023 UNLESS SPECIFICALLY SHOWN OTHERWISE, THIS LOCATION AND DEPTH OF SERVICES SHOWN ON THIS PLAN HAVE NOT BEEN VERIFIED.
2. THE LOCATION OF SERVICES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED AS ACCURATELY AS POSSIBLE FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES AND SHOULD BE CONFIRMED BY SITE INSPECTION."

LEGEND

BOUNDARY

- SITE BOUNDARY
- EXTERNAL BOUNDARY
- STAGING BOUNDARY

SITEWORKS

- PROPOSED CONTOUR (22.50)
- EXISTING CONTOUR (22.50)
- PROPOSED RETAINING WALL

STORMWATER MANAGEMENT

- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- FLOW DIRECTION
- CONCEPT PIPE SIZE
- PROPOSED SWALE
- PROPOSED GRATED DRAIN
- PROPOSED GRATED SURFACE INLET PIT (GSIP)
- PROPOSED JUNCTION PIT (JP)
- PROPOSED KERB INLET PIT (KIP)
- EXISTING STORMWATER PIT
- PROPOSED ON-SITE DETENTION BASIN
- OVERLAND FLOW PATH

ROADWORKS

- ROAD ALIGNMENT
- PROPOSED EDGE OF CARIAGEWAY
- PROPOSED KERB ONLY (KO) (KO)
- PROPOSED VEHICLE CROSSING (VC) (VC)
- PROPOSED VEHICLE CROSSING PAVEMENT
- PROPOSED VEHICLE CROSSING PAVEMENT (HEAVY VEHICLES)
- PROPOSED INTERNAL CONCRETE PAVEMENT
- PROPOSED INTERNAL TEMPORARY PAVEMENT FOR CONSTRUCTION VEHICLES

DATE	No.	REVISION HISTORY	DRW	CHK	QA
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NOTES AND LEGENDS SHEET

Drawing Status:
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CG	21/03/2024

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DRAWING INDEX

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S4-CI-NXT-DRG-0000-0010	GENERAL ARRANGEMENT PLAN
S4-CI-NXT-DRG-0000-0020	STAGING PLAN
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S4-CI-NXT-DRG-0000-5001	ROADWORKS PLAN (ULTIMATE)
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S4-CI-NXT-DRG-0000-6010	ROADWORKS LONGITUDINAL AND TYPICAL SECTIONS - SHEET 1
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S4-CI-NXT-DRG-0000-6014	ROADWORKS LONGITUDINAL AND TYPICAL SECTIONS - SHEET 5
S4-CI-NXT-DRG-0000-6015	ROADWORKS LONGITUDINAL AND TYPICAL SECTIONS - SHEET 6
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S4-CI-NXT-DRG-0000-6101	RETAINING WALL LONG. SECTIONS - SHEET 2

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Services AURECON

Structural TTW

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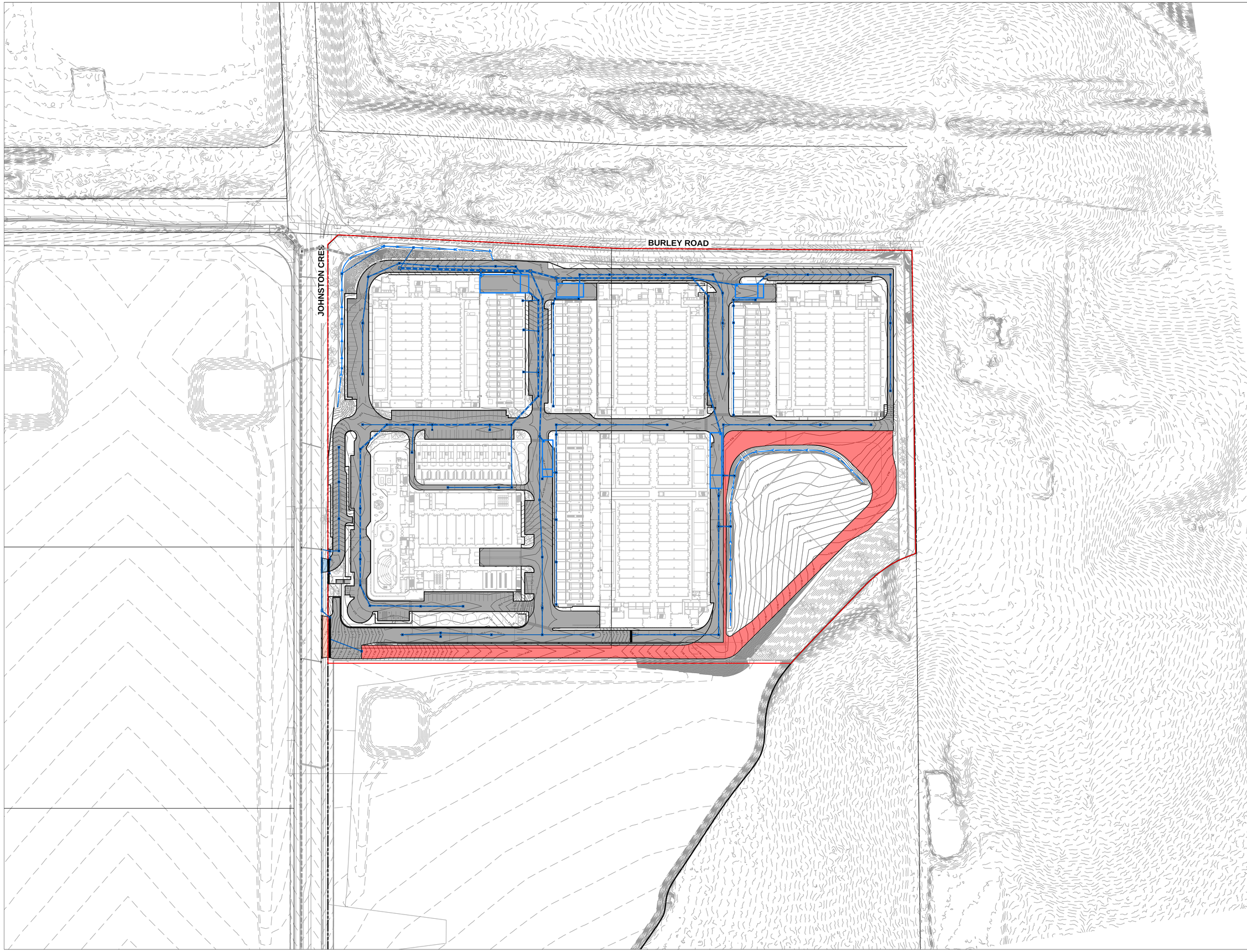
CHK	Date
CG	21/03/2024

Scale: NA | Sheet: A1 | File Name:

Drawing Number: S4-CI-NXT-DRG-0000-0002 | Rev: 2



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Drawing title
GENERAL ARRANGEMENT PLAN

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JOHNSTON CRES

BURLEY ROAD

BUILDING B
STAGE 1

BUILDING C
STAGE 1

BUILDING D
FUTURE STAGE 2

BUILDING A
STAGE 1

BUILDING E
FUTURE STAGE 3

FUTURE SUBSTATION YARD
BULK EARTHWORKS STAGE 1

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Drawing Number	Rev
S4-CI-NXT-DRG-0000-0020	2

BURLEY ROAD

JOHNSTON CRES

RETAIN EXISTING
SEDIMENT BASIN OUTLET.

SEDIMENT BASIN

INDICATIVE STOCKPILE LOCATION

TEMPORARY CONSTRUCTION ENTRY/EXIT

EROSION AND SEDIMENT CONTROL LEGEND

- Siltation fence
- Stormwater pit with Geotextile filter surround
- Hay bale barriers
- Catch drain

NOTE:
1. THIS PAGE IS TO BE READ IN CONJUNCTION WITH DRAWING NO. S4-CI-NXT-DRG-0000-0110.

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Drawing title
SEDIMENT AND EROSION CONTROL PLAN

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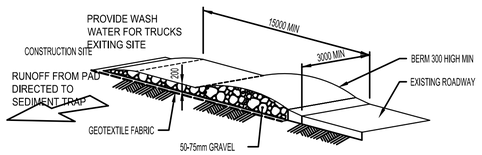
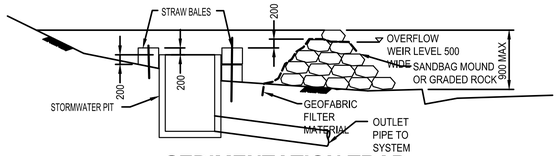


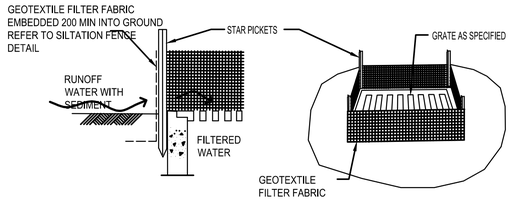
TEMPORARY CONSTRUCTION EXIT

NTS



SEDIMENTATION TRAP

NTS

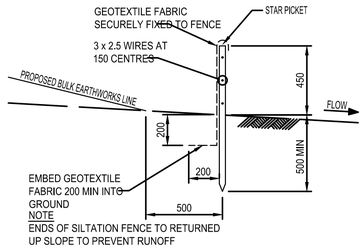


GEOTEXTILE FILTER PIT SURROUND

NTS

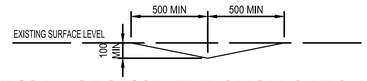
TYPICAL SECTION THROUGH CATCH DRAIN

SCALE 1: 20



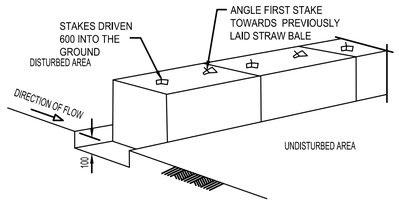
SILTATION FENCE DETAIL

SCALE 1: 20



TYPICAL SECTION THROUGH CATCH DRAIN

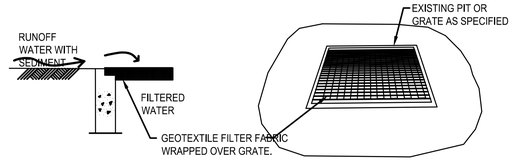
SCALE 1: 20



HAY BALE SEDIMENT FILTER

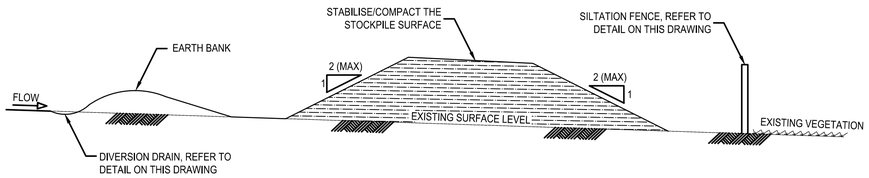
NTS

NOTE: STAKE TO BE EITHER TAR COATED
STAR OR 50 x 50 HARDWOOD



GEOTEXTILE PIT FILTER

NTS



STOCKPILE

NTS

EROSION AND SEDIMENT CONTROL NOTES

1. All work shall be generally carried out in accordance with
   (A) Local authority requirements,
   (B) EPA - Pollution control manual for urban stormwater,
   (C) LANDCOM NSW - Managing Urban Stormwater: Soils and Construction ("Blue Book").
2. Erosion and sediment control drawings and notes are provided for the whole of the works. Should the Contractor stage these works then the design may be required to be modified. Variation to these details may require approval by the relevant authorities.
   The erosion and sediment control plan shall be implemented and adapted to meet the varying situations as work on site progresses.
3. Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.
4. When stormwater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits.
5. Minimise the area of site being disturbed at any one time.
6. Protect all stockpiles of materials from scour and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
7. All soil and water control measures are to be put back in place at the end of each working day, and modified to best suit site conditions.
8. Control water from upstream of the site such that it does not enter the disturbed site.
9. All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
10. All vehicles leaving the site shall be cleaned and inspected before leaving.
11. Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each storm event.
12. Clean out all erosion and sediment control devices after each storm event.

Sequence Of Works

1. Prior to commencement of excavation the following soil management devices must be installed.
1.1. Construct silt fences below the site and across all potential runoff sites.
1.2. Construct temporary construction entry/exit and divert runoff to suitable control systems.
1.3. Construct measures to divert upstream flows into existing stormwater system.
1.4. Construct sedimentation traps/basin including outlet control and overflow.
1.5. Construct turf lined swales.
1.6. Provide sandbag sediment traps upstream of existing pits.
2. Construct geotextile filter pit surround around all proposed pits as they are constructed.
3. On completion of pavement provide sand bag kerb inlet sediment traps around pits.
4. Provide and maintain a strip of turf on both sides of all roads after the construction of kerbs.

WATER QUALITY TESTING REQUIREMENTS

Prior to discharge of site stormwater, groundwater and seepage water
into council's stormwater system, contractors must undertake water quality tests in conjunction with a suitably qualified environment consultant outlining the following:

- Compliance with the criteria of the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2000)
- If required subject to the environmental consultants advice, provide remedial measures to improve the quality of water that is to be discharged into Councils storm water drainage system.This should include comments from a suitably qualified environmental consultant confirming the suitability of these remedial measures to manage the water discharged from the site into Councils storm water drainage system. Outlining the proposed, ongoing monitoring, contingency plans and validation program that will be in place to continually monitor the quality of water discharged from this site. This should outline the frequency of water quality testing that will be undertaken by a suitably qualified environmental consultant.

EROSION AND SEDIMENT CONTROL PUMP OUT NOTES

Any accumulated water contaminated with sediment, from a sediment basin or excavation pit, is to be flocculated or filtered in order to lower the suspended solid load to less than 50mg per litre gypsum gas or other approved flocculant should be applied within 24 hours of the end of the storm event. The gypsum must be spread evenly over the entire water surface. Pumping is not to occur for at least 36 hours and preferably 48 hours after application. Clean water is to be discharged to the water table via a hale bail sediment filter in a way that does not pick up sediment that has dropped to the bottom.
Note: gypsum is a hydrated form of calcium sulphate and is available at many swimming pool shops and hardware stores.

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

NOTE:
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2. DO NOT SCALE FROM DRAWINGS
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4. CHECK ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES
5. ENSURE COORDINATION WITH OTHER TRADES ON SITE.
6. ASL = ABOVE SLAB LEVEL

PRINCIPAL CONSULTANTS

Architect: HDR

Services: AURECON

Structural: TTW

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TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: | Stage: | NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

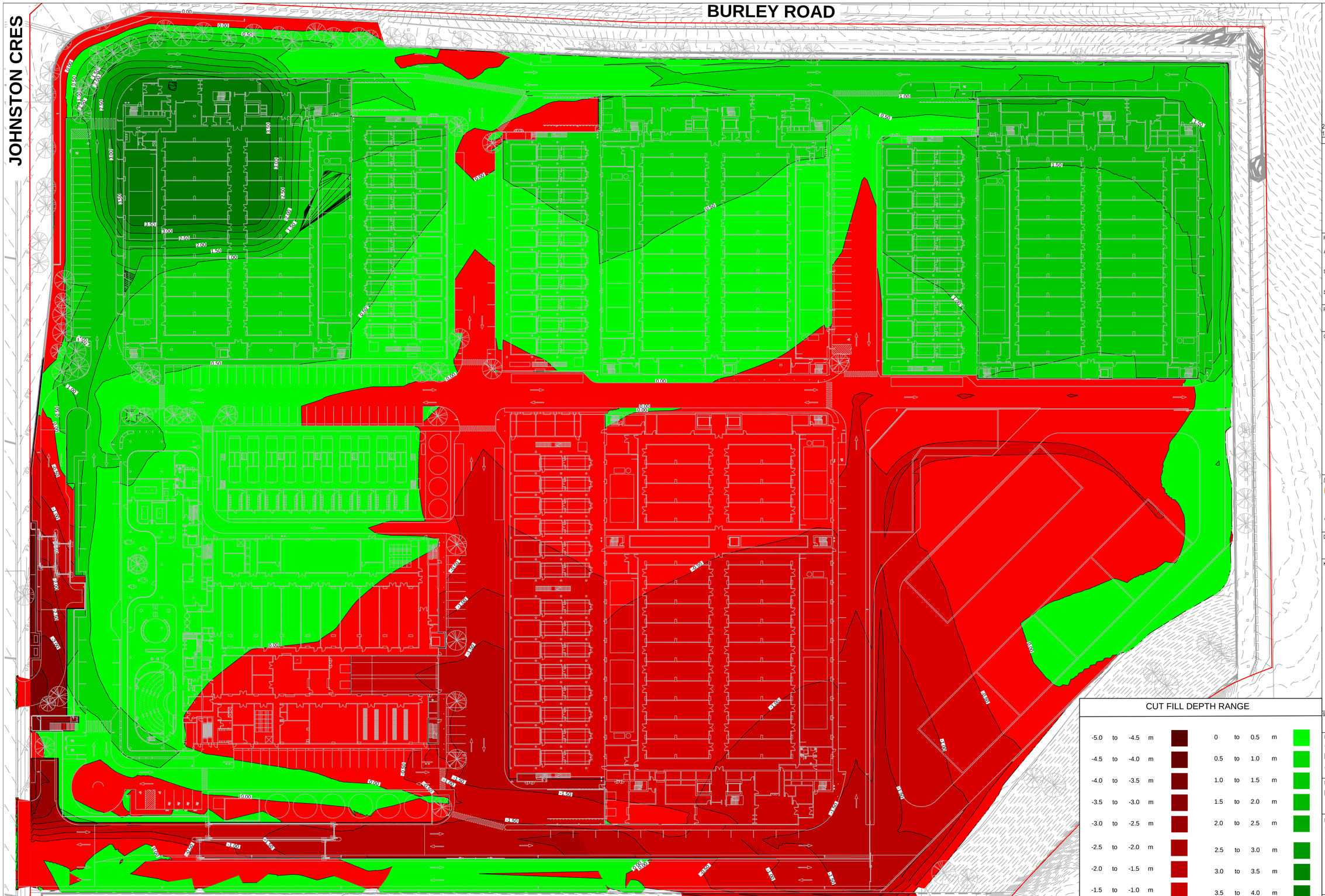
Drawing title
SEDIMENT AND EROSION CONTROL DETAILS

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK: CG	Date: 21/03/2024

Scale: AS SHOWN | Sheet: A1 | File Name:

Drawing Number: S4-CI-NXT-DRG-0000-0110 | Rev: 2



CUT FILL DEPTH RANGE

-5.0	to	-4.5	m		0	to	0.5	m
-4.5	to	-4.0	m		0.5	to	1.0	m
-4.0	to	-3.5	m		1.0	to	1.5	m
-3.5	to	-3.0	m		1.5	to	2.0	m
-3.0	to	-2.5	m		2.0	to	2.5	m
-2.5	to	-2.0	m		2.5	to	3.0	m
-2.0	to	-1.5	m		3.0	to	3.5	m
-1.5	to	-1.0	m		3.5	to	4.0	m
-1.0	to	-0.5	m		4.0	to	4.5	m
-0.5	to	0	m		4.5	to	5.0	m

PRELIMINARY VOLUME ANALYSIS

	VOLUME (M^3)
CUT	-37,150
FILL	22,190
BALANCE	-14,960

NOTES:
1. BULK EARTHWORKS DEPTHS SHOWN FROM AVAILABLE SURVEY LEVELS TO FINISHED DESIGN SURFACE LEVELS
2. VOLUME CALCULATION ASSUMED 300mm SETDOWN FOR ALL PROPOSED PAVEMENTS, SLABS AND LANDSCAPING AREAS, TO BE CONFIRMED AT DETAILED DESIGN STAGE.
3. BULK EARTHWORKS DEPTHS AND VOLUMES SHOWN ARE PRELIMINARY ONLY AND SUBJECT TO CHANGE AT DETAILED DESIGN STAGE
4. NOT TO BE USED FOR TENDER OR DETAILED EXCAVATION. CONTRACTOR TO UNDERTAKE THEIR OWN VERIFICATION OF CUT FILL VOLUMES.

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
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PRINCIPAL CONSULTANTS

Architect: HDR

Services: AURECON

Structural: TTW

PRINCIPAL CONTRACTOR

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Document Author Project Number

Key Plan

Site: | Stage: | NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
BULK EARTHWORKS
CUT/FILL PLAN (ULTIMATE)

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
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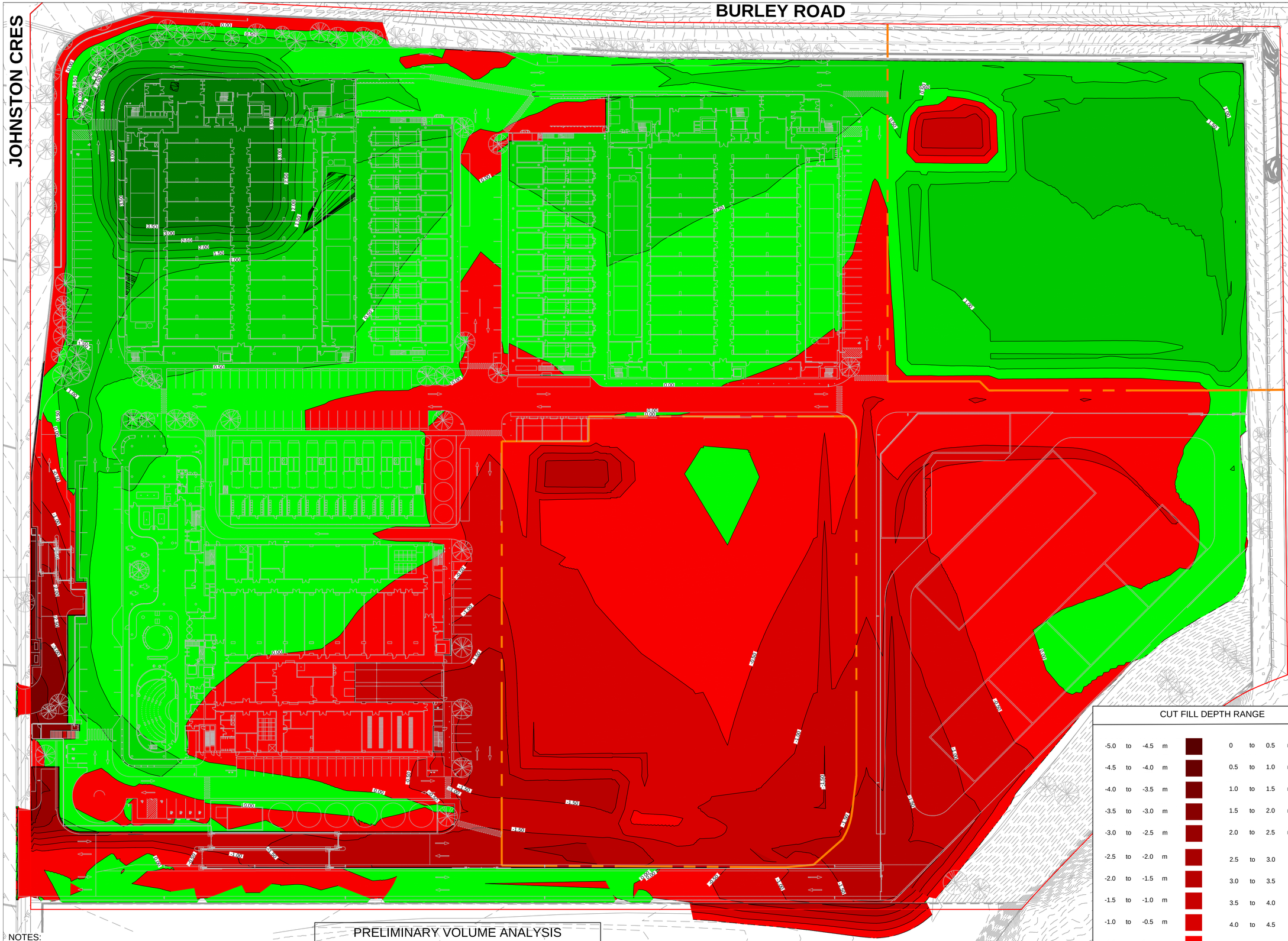
Drawing Number	Rev
S4-CI-NXT-DRG-0000-1000	2



NOTES:
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PRELIMINARY VOLUME ANALYSIS

	VOLUME (M³)
CUT	-37,410
FILL	21,370
BALANCE	-16,040

CUT FILL DEPTH RANGE

-5.0	to	-4.5	m		0	to	0.5	m
-4.5	to	-4.0	m		0.5	to	1.0	m
-4.0	to	-3.5	m		1.0	to	1.5	m
-3.5	to	-3.0	m		1.5	to	2.0	m
-3.0	to	-2.5	m		2.0	to	2.5	m
-2.5	to	-2.0	m		2.5	to	3.0	m
-2.0	to	-1.5	m		3.0	to	3.5	m
-1.5	to	-1.0	m		3.5	to	4.0	m
-1.0	to	-0.5	m		4.0	to	4.5	m
-0.5	to	0	m		4.5	to	5.0	m

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
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PRINCIPAL CONSULTANTS

Architect: HDR

Services: AURECON

Structural: TTW

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Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
BULK EARTHWORKS
CUT/FILL PLAN (STAGE 1)

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
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Drawing Number	Rev
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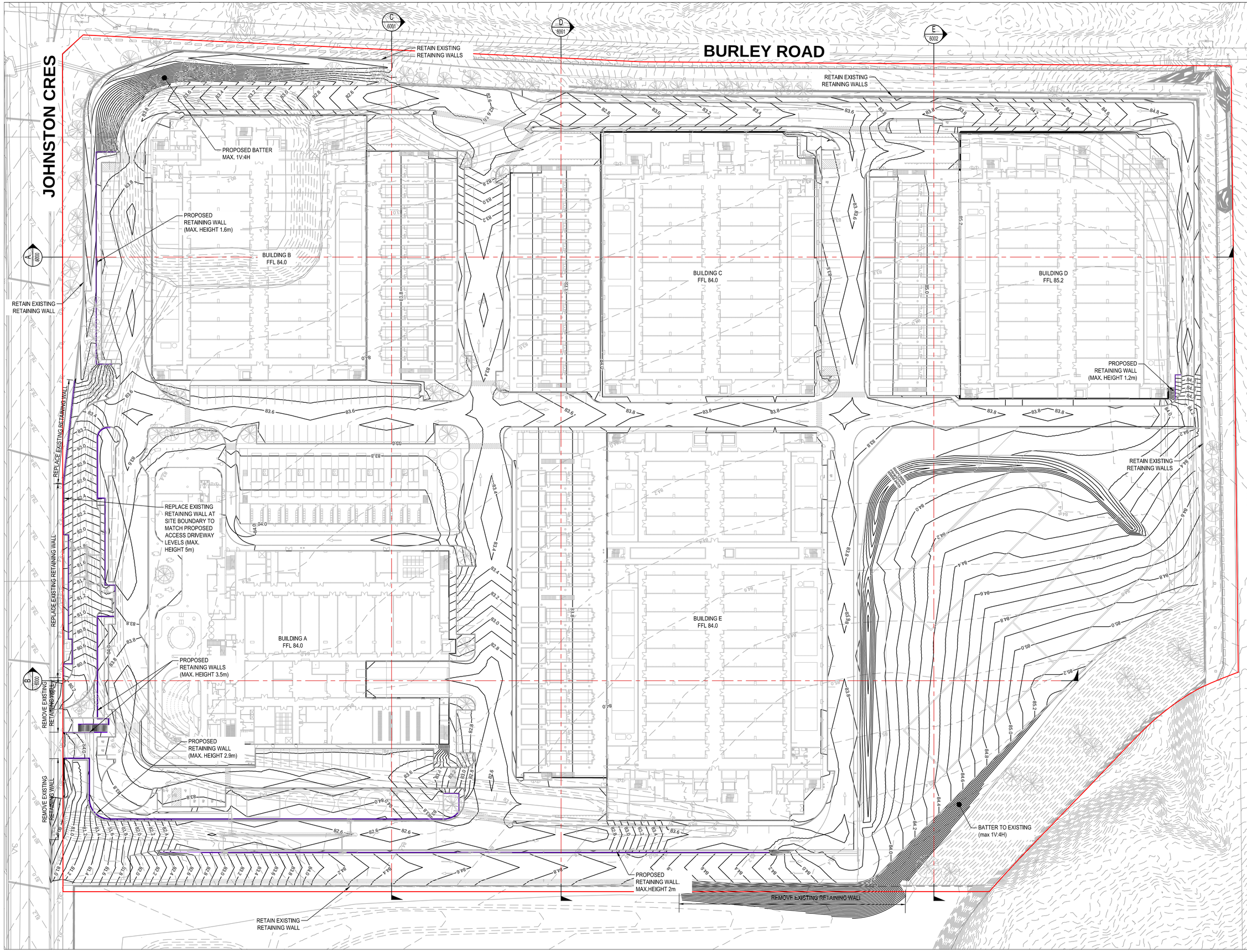

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

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Services: AURECON

Structural: TTW

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TTW Structural Civil Traffic Façade
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Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
SITEWORKS PLAN
(ULTIMATE)

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
GC	21/03/2024

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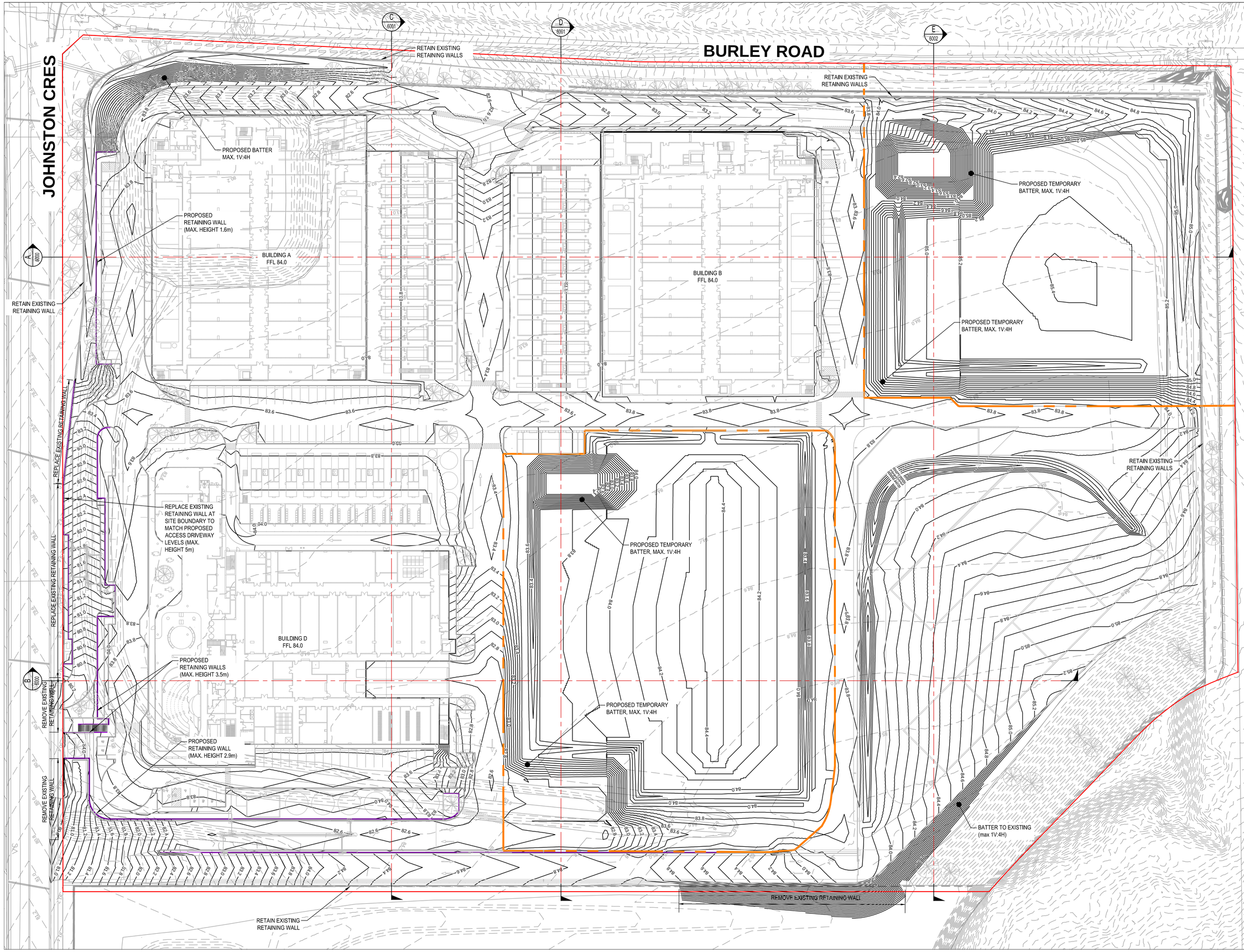

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
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PRINCIPAL CONSULTANTS

Architect: HDR

Services: AURECON

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Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
SITEWORKS PLAN
(STAGE 1)

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	13/03/2024

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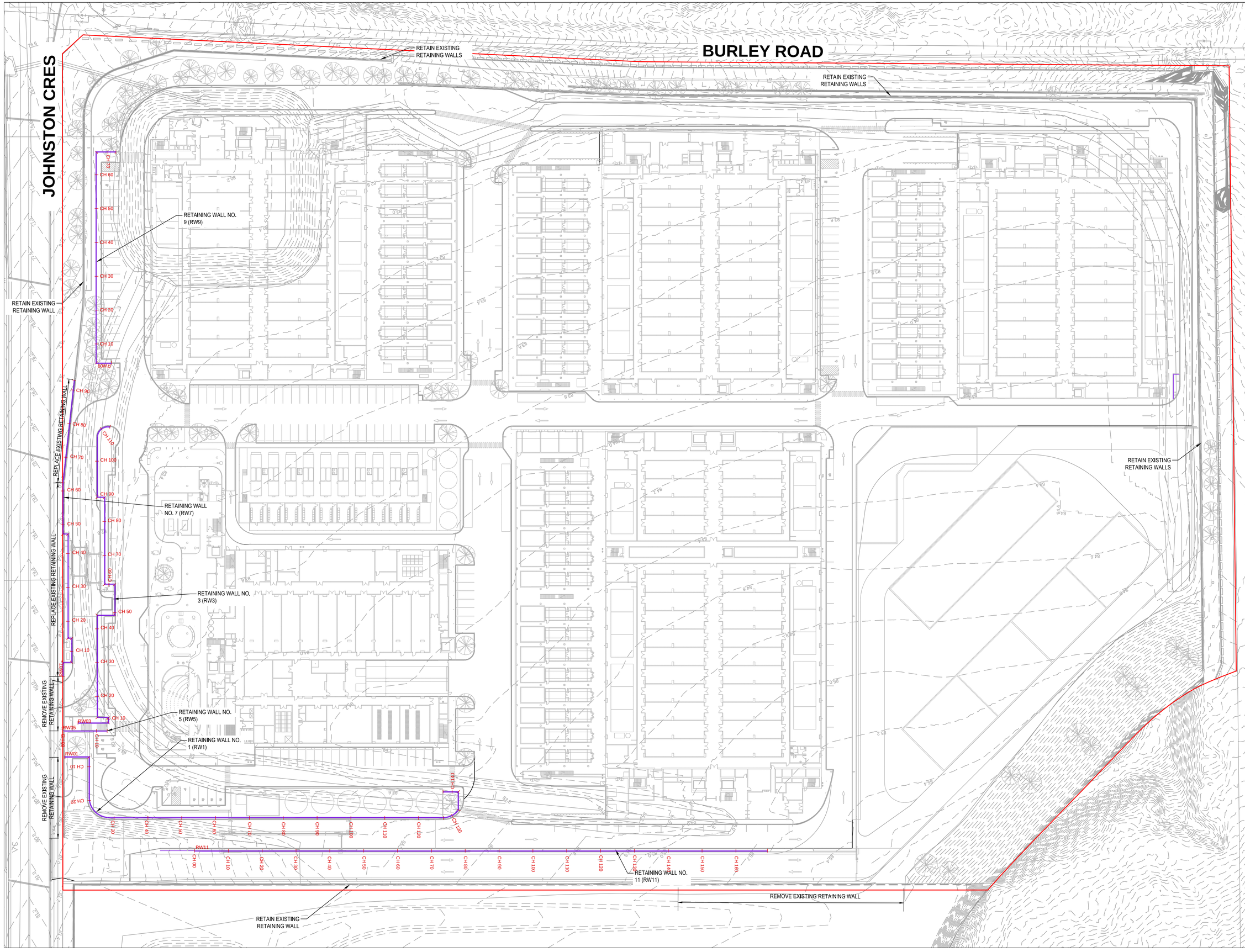

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	1	INITIAL RELEASE	JH	CG	GC

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Architect: HDR

Services: AURECON

Structural: TTW

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TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
RETAINING WALL PLAN

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
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Drawing Number	Rev
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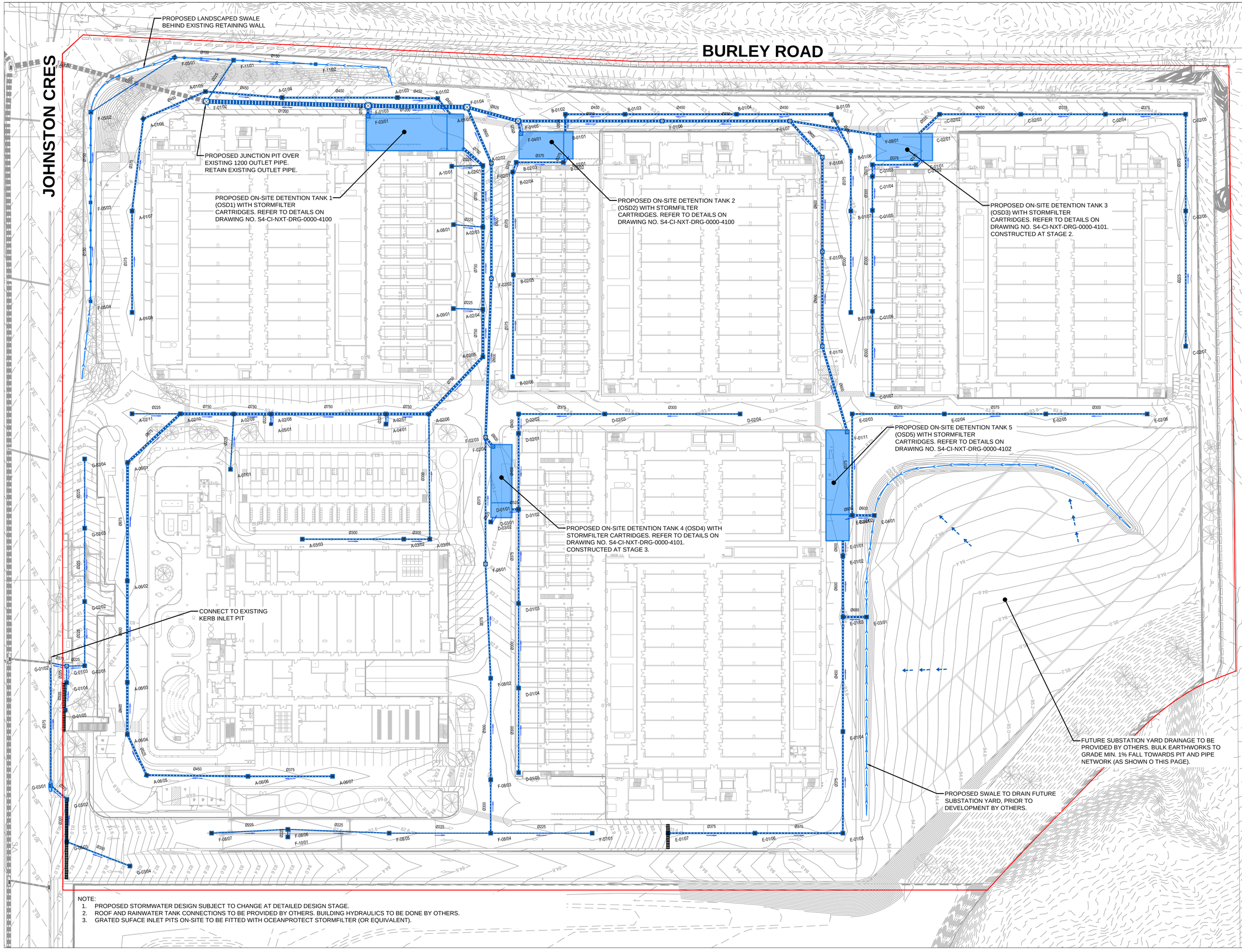

NOTE:
1. PROPOSED STORMWATER DESIGN SUBJECT TO CHANGE AT DETAILED DESIGN STAGE.
2. ROOF AND RAINWATER TANK CONNECTIONS TO BE PROVIDED BY OTHERS. BUILDING HYDRAULICS TO BE DONE BY OTHERS.
3. GRATED SUFACE INLET PITS ON-SITE TO BE FITTED WITH OCEANPROTECT STORMFILTER (OR EQUIVALENT).

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

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Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
STORMWATER PLAN (ULTIMATE)

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
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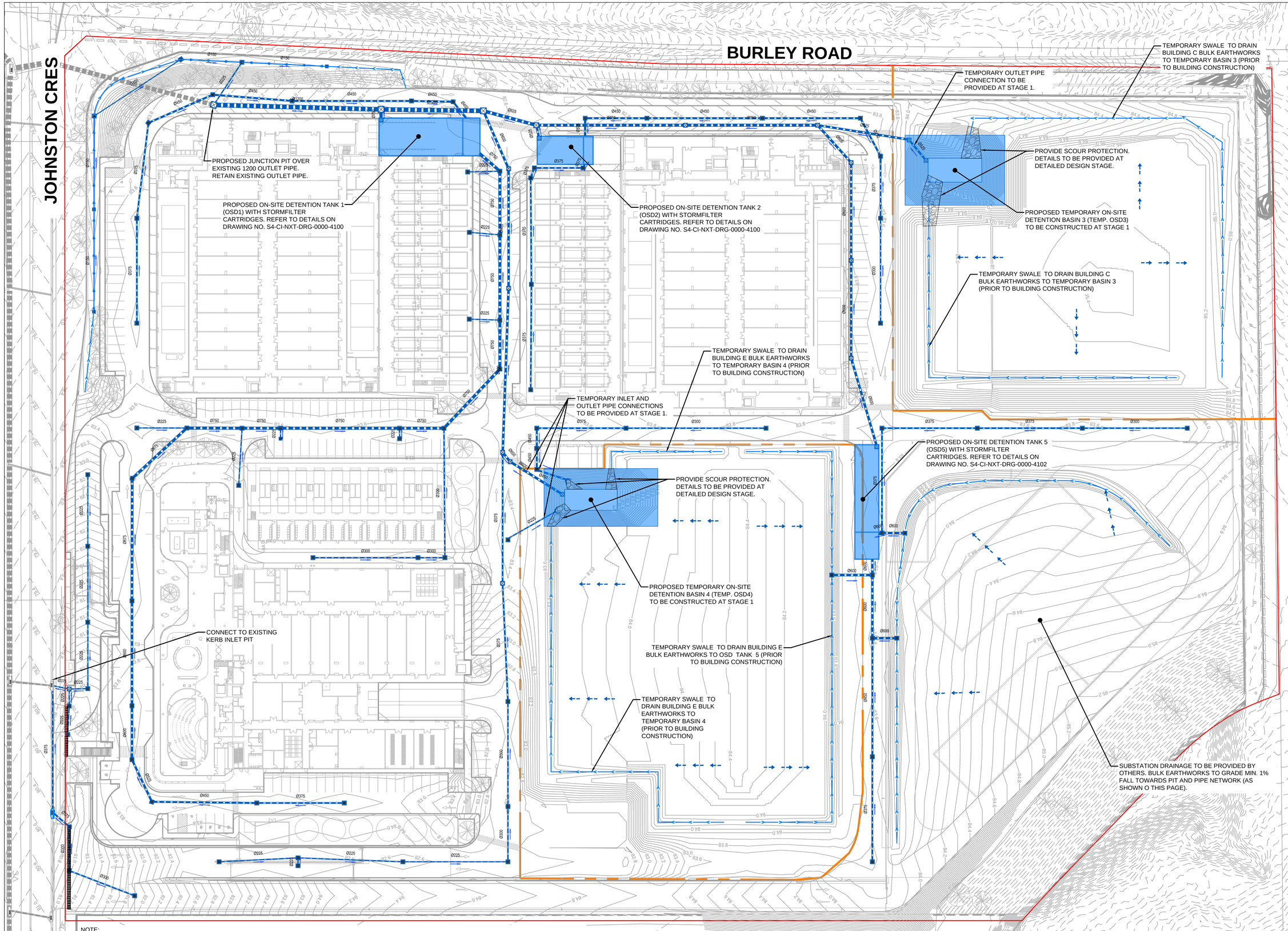
S4-CI-NXT-DRG-0000-4001	2



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DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
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Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
STORMWATER PLAN
(STAGE 1)

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
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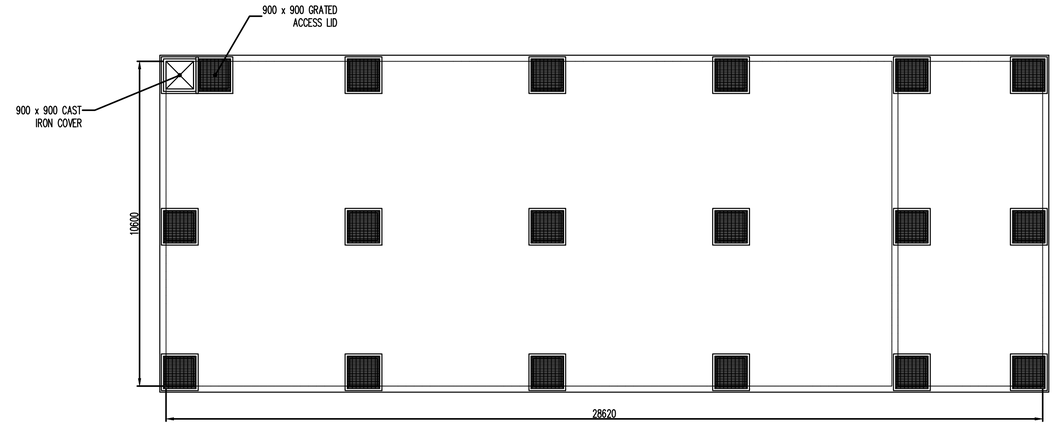
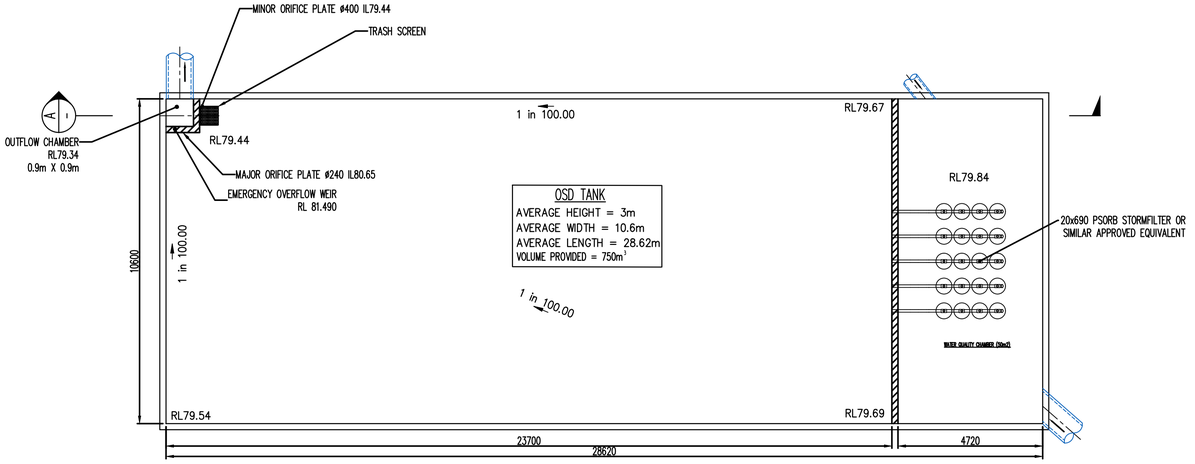
Drawing Number	Rev
S4-CI-NXT-DRG-0000-4002	2



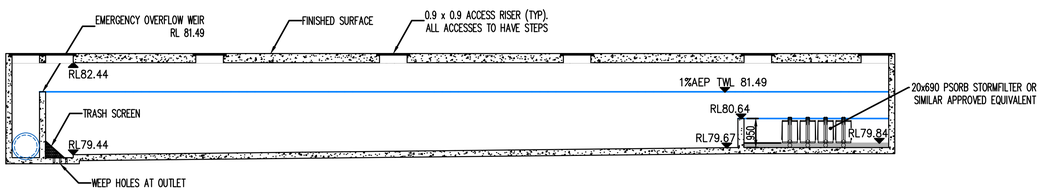
ON-SITE DETENTION TANK 1 - ROOF PLAN

SCALE 1:100



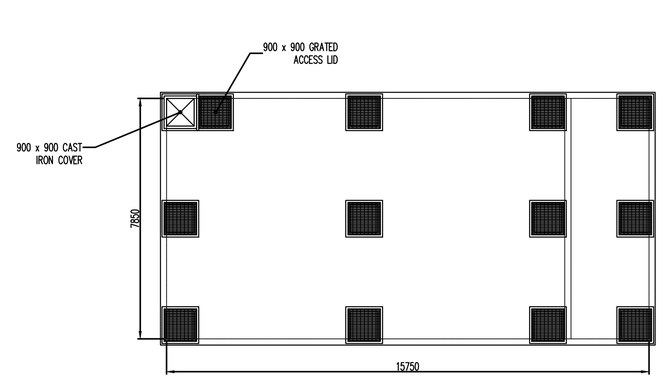
ON-SITE DETENTION TANK 1 - BASE PLAN

SCALE 1:100



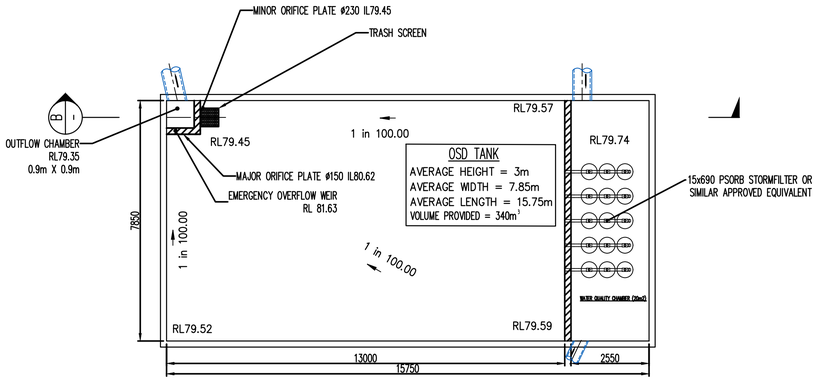
ON-SITE DETENTION TANK 1 - SECTION A

SCALE 1:100



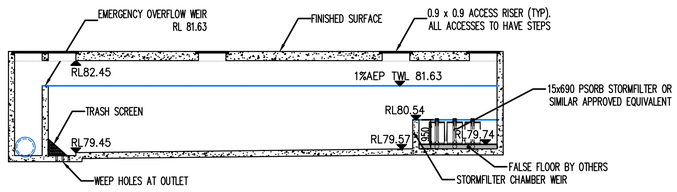
ON-SITE DETENTION TANK 2 - ROOF PLAN

SCALE 1:100



ON-SITE DETENTION TANK 2 - BASE PLAN

SCALE 1:100



ON-SITE DETENTION TANK 2 - SECTION B

SCALE 1:100

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
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PRINCIPAL CONSULTANTS

Architect: HDR

Services: AURECON

Structural: TTW

PRINCIPAL CONTRACTOR

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TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

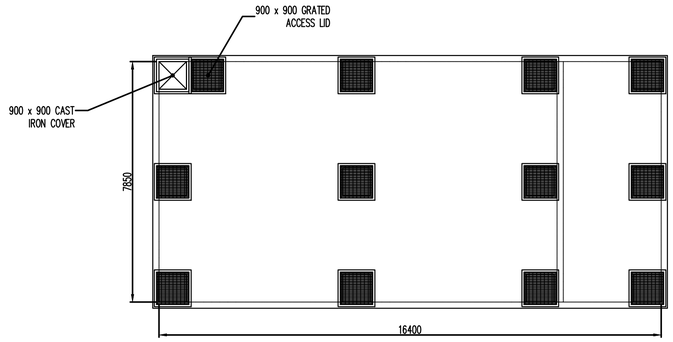
Drawing title
CONCEPT ON-SITE DETENTION DETAILS - SHEET 1

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

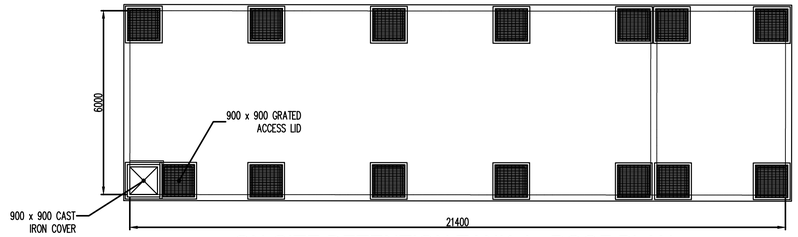
Scale:	Sheet:	File Name:
1:500	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-4100	2



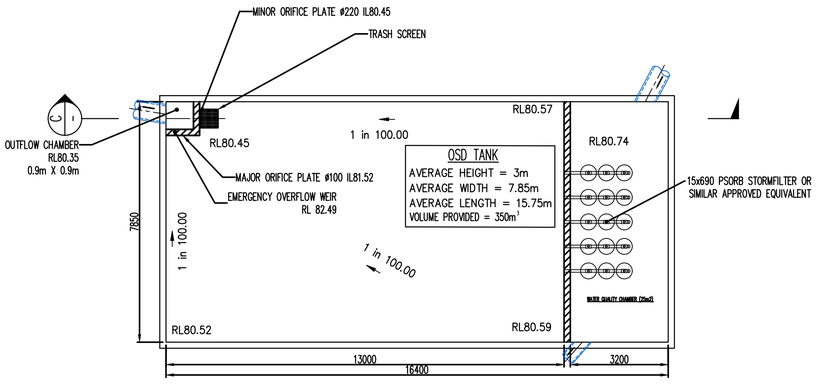
ON-SITE DETENTION TANK 3 - ROOF PLAN

SCALE 1:100



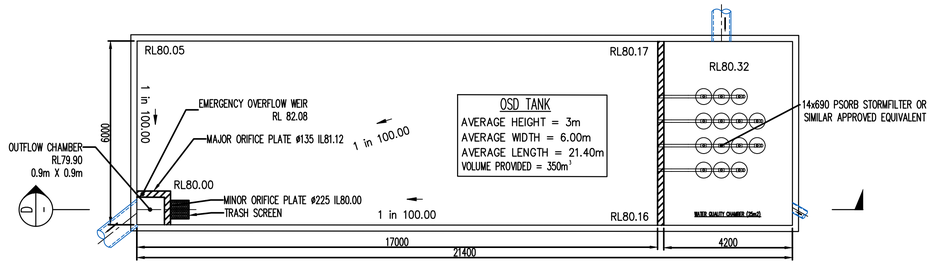
ON-SITE DETENTION TANK 4 - ROOF PLAN

SCALE 1:100



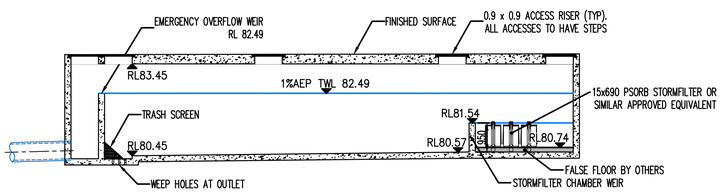
ON-SITE DETENTION TANK 3 - BASE PLAN

SCALE 1:100



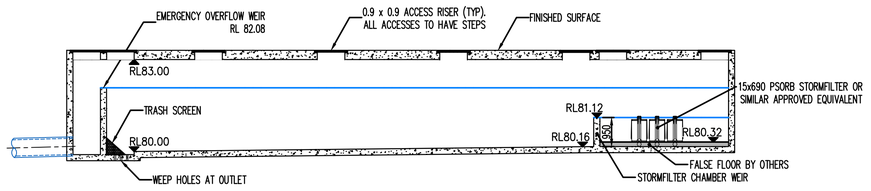
ON-SITE DETENTION TANK 4 - BASE PLAN

SCALE 1:100



ON-SITE DETENTION TANK 3 - SECTION C

SCALE 1:100



ON-SITE DETENTION TANK 4 - SECTION D

SCALE 1:100

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

NOTE:
1. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ASSOCIATED SPECIFICATION
2. DO NOT SCALE FROM DRAWINGS
3. CONFIRM ALL MEASUREMENTS ON SITE
4. CHECK ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES
5. ENSURE COORDINATION WITH OTHER TRADES ON SITE.
6. ASL = ABOVE SLAB LEVEL

PRINCIPAL CONSULTANTS

Architect: HDR

Services: AURECON

Structural: TTW

PRINCIPAL CONTRACTOR

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TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

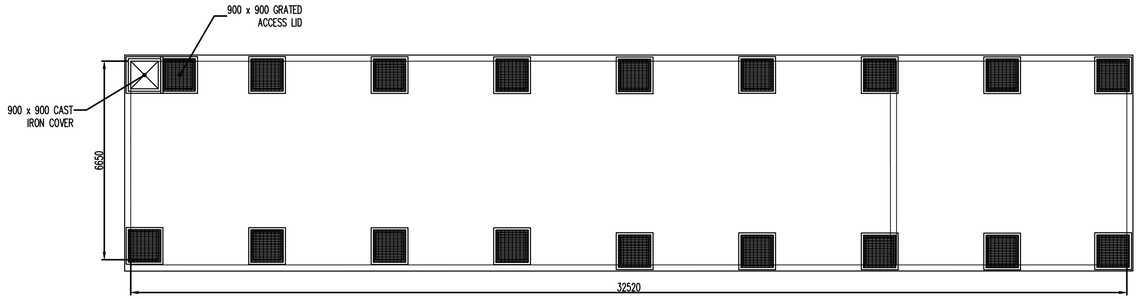
Drawing title
CONCEPT ON-SITE DETENTION DETAILS - SHEET 2

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

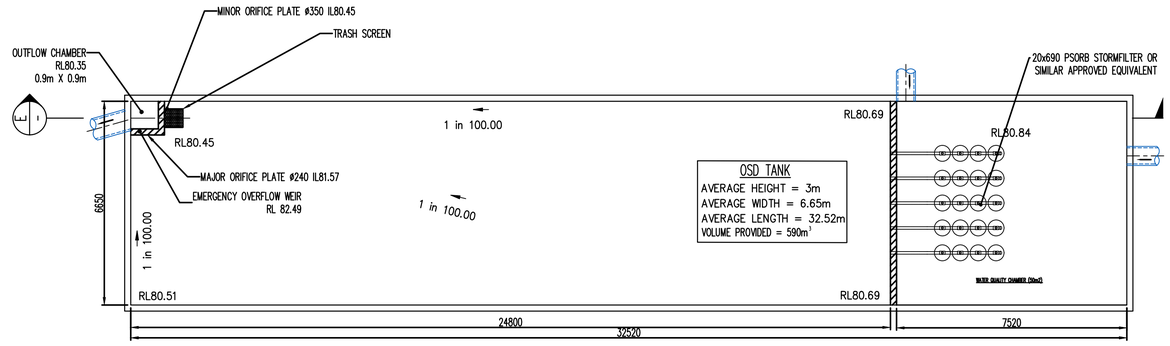
Scale:	Sheet:	File Name:
1:500	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-4101	2



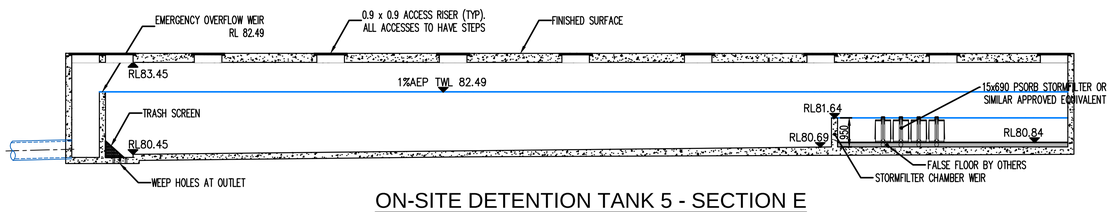
ON-SITE DETENTION TANK 5 - ROOF PLAN

SCALE 1:100



ON-SITE DETENTION TANK 5 - BASE PLAN

SCALE 1:100



ON-SITE DETENTION TANK 5 - SECTION E

SCALE 1:100

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

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PRINCIPAL CONSULTANTS

Architect: HDR

Services: AURECON

Structural: TTW

PRINCIPAL CONTRACTOR

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{Contractor / Consultant / Document Author}

TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
CONCEPT ON-SITE DETENTION DETAILS - SHEET 3

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
1:500	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-4102	2

PIT SCHEDULE

Pit Name	TYPE	EASTING	NORTHING	INTERNAL WD	LEN	INLET DIA	INV LEV	OUTLET DIA	INV LEV	PIT SETOUT RL	DEPTH	REMARKS
A-01/08	GSIP 900x900	298762.8	6254726	0.9	0.9			375	82.807	83.665	0.858	
A-01/07	GSIP 900x900	298767.3	6254756	0.9	0.9	375	82.507	375	82.487	83.665	1.178	
A-01/06	GSIP 900x900	298774.6	6254782	0.9	0.9	375	82.213	450	82.193	83.793	1.601	
A-01/05	GSIP 900x900	298793.9	6254787	0.9	0.9	450	81.992	450	81.972	83.5	1.528	
A-01/04	GSIP 900x900	298816.1	6254782	0.9	0.9	450	81.807	450	81.487	82.989	1.502	
A-01/03	GSIP 900x900	298849.8	6254777	0.9	0.9	450	80.941	450	80.921	82.431	1.51	
A-01/02	GSIP 900x900	298861.6	6254775	0.9	0.9	450	80.802	450	80.782	82.5	1.718	
A-01/01	DETENTION TANK	298864.5	6254770	0	0	450	80.723	600	79.656	82.61	2.954	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
A-02/11	GSIP 900x900	298758.4	6254696	0.9	0.9			225	82.322	83.469	1.147	
A-02/10	GSIP 900x900	298772.5	6254694	0.9	0.9	225	82.179	750	81.496	83.542	2.046	
A-02/09	GSIP 900x900	298788.1	6254692	0.9	0.9	750	81.417	750	81.397	83.52	2.123	
A-02/08	GSIP 900x900	298799	6254690	0.9	0.9	750	81.342	750	81.322	83.575	2.253	
A-02/07	GSIP 900x900	298832.6	6254685	0.9	0.9	750	81.153	750	81.133	83.52	2.387	
A-02/06	GSIP 900x900	298845.1	6254683	0.9	0.9	750	81.069	750	81.049	83.556	2.507	
A-02/05	GSIP 900x900	298863.4	6254698	0.9	0.9	750	80.933	750	80.913	83.352	2.439	
A-02/04	GSIP 900x900	298865.5	6254712	0.9	0.9	750	80.843	750	80.823	83.275	2.452	
A-02/03	GSIP 900x900	298869.1	6254736	0.9	0.9	750	80.701	750	80.681	83.253	2.572	
A-02/02	GSIP 900x900	298871.8	6254754	0.9	0.9	750	80.59	750	80.57	82.614	2.044	
A-02/01	DETENTION TANK	298866.9	6254760	0	0	750	80.531	600	79.8	82.75	2.95	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
A-03/03	GSIP 900x900	298802.6	6254652	0.9	0.9			300	82.741	83.9	1.159	
A-03/02	GSIP 900x900	298832.3	6254648	0.9	0.9	300	82.441	300	82.421	83.85	1.429	
A-03/01	GSIP 900x900	298839.9	6254647	0.9	0.9	300	82.344	300	82.324	83.888	1.564	
A-02/06	GSIP 900x900	298845.1	6254683	0.9	0.9	300	81.954			83.556	2.507	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
A-04/01	GSIP 900x900	298832.2	6254682	0.9	0.9			225	82.769	83.46	0.691	
A-02/07	GSIP 900x900	298832.6	6254685	0.9	0.9	225	82.739			83.52	2.387	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
A-05/01	GSIP 600x600	298798.5	6254687	0.6	0.6			225	82.821	83.515	0.694	
A-02/08	GSIP 900x900	298799	6254690	0.9	0.9	225	82.791			83.575	2.253	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
A-06/07	GSIP 900x900	298801.1	6254582	0.9	0.9			375	82.787	83.645	0.858	
A-06/06	GSIP 900x900	298776.4	6254585	0.9	0.9	375	82.537	450	82.517	83.62	1.103	
A-06/05	GSIP 900x900	298746.8	6254590	0.9	0.9	450	82.218	525	82.198	83.62	1.422	
A-06/04	GSIP 900x900	298742.9	6254603	0.9	0.9	525	82.104	600	82.084	83.693	1.609	
A-06/03	GSIP 900x900	298745.2	6254618	0.9	0.9	600	82.007	600	81.987	83.62	1.633	
A-06/02	GSIP 900x900	298749.7	6254648	0.9	0.9	600	81.837	675	81.817	83.62	1.803	
A-06/01	GSIP 900x900	298754.9	6254682	0.9	0.9	675	81.642	675	81.622	83.584	1.962	
A-02/10	GSIP 900x900	298772.5	6254694	0.9	0.9	675	81.516			83.542	2.046	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
A-07/01	GSIP 900x900	298784.7	6254676	0.9	0.9			225	82.741	83.903	1.162	
A-02/09	GSIP 900x900	298788.1	6254692	0.9	0.9	225	82.372			83.52	2.123	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
A-08/01	GSIP 900x900	298860.6	6254738	0.9	0.9			225	82.339	83.643	1.304	
A-02/03	GSIP 900x900	298869.1	6254736	0.9	0.9	225	81.962			83.253	2.572	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
A-09/01	GSIP 900x900	298856.9	6254713	0.9	0.9			225	82.358	83.643	1.285	
A-02/04	GSIP 900x900	298865.5	6254712	0.9	0.9	225	82.003			83.275	2.452	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
A-10/01	GSIP 900x900	298862.7	6254755	0.9	0.9			225	81.708	83.648	1.94	
A-02/02	GSIP 900x900	298871.8	6254754	0.9	0.9	225	81.432			82.614	2.044	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
B-01/08	GSIP 900x900	298972.9	6254695	0.9	0.9			300	82.845	83.624	0.779	
B-01/07	GSIP 900x900	298977.4	6254724	0.9	0.9	300	82.545	375	82.516	83.574	1.058	
B-01/06	GSIP 900x900	298980	6254742	0.9	0.9	375	82.339	450	82.198	83.585	1.388	
B-01/05	GSIP 900x900	298975.9	6254753	0.9	0.9	450	82.075	450	82.055	83.555	1.5	
B-01/04	GSIP 900x900	298948.2	6254757	0.9	0.9	450	81.775	450	81.755	83.303	1.548	
B-01/03	GSIP 900x900	298915.6	6254762	0.9	0.9	450	81.425	450	81.405	82.859	1.454	
B-01/02	GSIP 900x900	298898.2	6254765	0.9	0.9	450	81.229	525	81.166	82.623	1.457	
B-01/01	DETENTION TANK	298897.4	6254760	0	0	525	81.13	525	79.488	82.8	3.312	
Z-OSD3-01/01	DETENTION TANK	298888	6254758	0	0	525	79.42			79.4	0	setout level to pit sump level
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
B-02/06	GSIP 900x900	298871.3	6254691	0.9	0.9			375	82.334	83.644	1.31	
B-02/05	GSIP 900x900	298875.9	6254720	0.9	0.9	375	82.033	375	82.013	83.646	1.633	
B-02/04	GSIP 900x900	298880.1	6254749	0.9	0.9	375	81.721	375	81.498	83.644	2.146	
B-02/03	GSIP 900x900	298881.7	6254753	0.9	0.9	375	81.457	375	81.437	82.782	1.346	
B-02/02	GSIP 900x900	298895.5	6254751	0.9	0.9	375	81.298	375	81.278	82.793	1.515	
B-02/01	DETENTION TANK	298896.2	6254752	0	0	375	81.265	375	79.52	82.782	3.261	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
C-01/07	GSIP 900x900	298975.8	6254671	0.9	0.9			300	83.614	84.845	1.231	
C-01/06	GSIP 900x900	298979.3	6254694	0.9	0.9	300	83.379	300	83.359	84.839	1.48	
C-01/05	GSIP 900x900	298983.7	6254723	0.9	0.9	300	83.06	300	83.04	84.831	1.79	
C-01/04	GSIP 900x900	298985	6254732	0.9	0.9	300	82.953	375	82.575	84.828	2.254	
C-01/03	GSIP 900x900	298985.7	6254737	0.9	0.9	375	82.528	375	82.508	83.83	1.323	
C-01/02	GSIP 900x900	298999.8	6254735	0.9	0.9	375	82.365	375	82.345	83.976	1.631	
C-01/01	DETENTION TANK	299000.6	6254736	0	0	375	82.331	450	80.656	83.954	3.297	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
C-02/07	GSIP 900x900	299069.3	6254670	0.9	0.9			375	84.014	84.872	0.858	
C-02/06	GSIP 900x900	299075.3	6254710	0.9	0.9	375	83.614	375	83.594	84.872	1.278	
C-02/05	GSIP 900x900	299079.5	6254738	0.9	0.9	375	83.308	375	83.288	84.829	1.541	
C-02/04	GSIP 900x900	299056	6254741	0.9	0.9	375	83.051	375	83.031	84.588	1.557	
C-02/03	GSIP 900x900	299031.3	6254745	0.9	0.9	375	82.781	450	82.653	84.115	1.462	
C-02/02	GSIP 900x900	299007.6	6254749	0.9	0.9	450	82.298	525	82.278	83.75	1.472	
C-02/01	DETENTION TANK	299003.8	6254743	0	0	525	82.233	525	80.667	83.997	3.331	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
D-01/05	GSIP 900x900	298855.6	6254575	0.9	0.9			300	82.412	83.643	1.231	
D-01/04	GSIP 900x900	298859.4	6254599	0.9	0.9	300	82.162	300	82.142	83.643	1.501	
D-01/03	GSIP 900x900	298863.1	6254624	0.9	0.9	300	81.892	375	81.872	83.643	1.771	
D-01/02	GSIP 900x900	298867.2	6254652	0.9	0.9	375	81.594	525	81.574	83.643	2.069	
D-01/01	DETENTION TANK	298865.1	6254652	0	0	525	81.554	375	80.065	83.618	3.553	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
D-02/04	GSIP 900x900	298936.1	6254670	0.9	0.9			300	82.751	83.731	0.98	
D-02/03	GSIP 900x900	298896.6	6254676	0.9	0.9	300	82.351	375	82.331	83.699	1.369	
D-02/02	GSIP 900x900	298871.4	6254679	0.9	0.9	375	82.076	450	82.036	83.419	1.383	setout level to finished surface tin at pit centre
D-02/01	GSIP 900x900	298870.5	6254674	0.9	0.9	450	81.978	450	81.958	83.643	1.685	
D-01/02	GSIP 900x900	298867.2	6254652	0.9	0.9	450	81.734			83.643	2.069	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
D-03/02	GSIP 900x900	298858.5	6254649	0.9	0.9			225	82.198	82.198	0	setout level to pit sump level
D-03/01	DETENTION TANK	298859.4	6254650	0	0	225	82.182	225	80.084	80.084	0	setout level to pit sump level
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
E-01/07	GSIP 900x900	298896.7	6254550	0.9	0.9			375	82.264	83.572	1.308	
E-01/06	GSIP 900x900	298922.1	6254547	0.9	0.9	375	82.007	375	81.987	83.6	1.613	
E-01/05	GSIP 900x900	298947.8	6254543	0.9	0.9	375	81.727	375	81.707	83.67	1.963	
E-01/04	GSIP 900x900	298952.2	6254572	0.9	0.9	375	81.407	450	81.387	83.72	2.333	
E-01/03	GSIP 900x900	298957.3	6254606	0.9	0.9	450	81.048	600	81.028	83.778	2.749	
E-01/02	GSIP 900x900	298959.9	6254624	0.9	0.9	600	80.938	600	80.918	83.787	2.869	
E-01/01	DETENTION TANK	298960.6	6254628	0	0	600	80.895	600	80.543	83.764	3.221	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
E-02/06	GSIP 900x900	299055.1	6254652	0.9	0.9			300	83.034	83.813	0.779	
E-02/05	GSIP 900x900	299025.5	6254656	0.9	0.9	300	82.735	375	82.705	83.763	1.058	
E-02/04	GSIP 900x900	298995.8	6254661	0.9	0.9	375	82.405	375	82.385	83.713	1.328	
E-02/03	GSIP 900x900	298968.9	6254665	0.9	0.9	375	82.112	375	82.092	83.676	1.584	
E-02/02	GSIP 900x900	298964.4	6254635	0.9	0.9	375	81.793	600	81.677	83.783	2.106	
E-02/01	DETENTION TANK	298963.4	6254635	0	0	600	81.671	600	80.51	83.763	3.254	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
E-03/01	GSIP 900x900	298964.2	6254605	0.9	0.9			600	81.779	83.278	1.499	
E-01/03	GSIP 900x900	298957.3	6254606	0.9	0.9	600	81.744			83.778	2.749	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
E-04/01	GSIP 900x900	298970.9	6254634	0.9	0.9			600	81.729	83.229	1.5	
E-02/02	GSIP 900x900	298964.4	6254635	0.9	0.9	600	81.697			83.783	2.106	

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	1	INITIAL RELEASE	JH	CG	GC

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{Contractor / Consultant / Document Author}

TTW Structural Civil Traffic Façade

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: | Stage: | NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
PIT SCHEDULE SHEET 01

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
NA	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-4200	1

PIT SCHEDULE

Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
F-01/11	JP 900x900	298966.7	6254660	0.9	0.9			600	80.35	83.725	3.375	
F-01/10	JP 900x900	298963.1	6254686	0.9	0.9	600	80.218	600	80.198	83.842	3.644	setout level to finished surface tin at pit centre
F-01/09	JP 900x900	298967.3	6254714	0.9	0.9	600	80.059	600	80.039	83.802	3.764	
F-01/08	JP 900x900	298971.4	6254741	0.9	0.9	600	79.899	600	79.879	83.764	3.886	setout level to finished surface tin at pit centre
F-01/07	JP 900x900	298963.5	6254753	0.9	0.9	600	79.807	750	79.787	83.534	3.747	setout level to finished surface tin at pit centre
F-01/06	JP 900x900	298926.2	6254759	0.9	0.9	750	79.598	750	79.578	83.047	3.469	
F-01/05	JUNCTION PIT - 1200x1200	298884.1	6254765	1.2	1.2	750	79.312	825	79.292	82.727	3.435	setout level to finished surface tin at pit centre
F-01/04	JUNCTION PIT - 1500x1500	298869.7	6254771	1.5	1.5	825	79.214	1200	79.105	82.568	3.463	
F-01/03	JUNCTION PIT - 1500x1500	298840.9	6254776	1.5	1.5	1200	78.959	1200	78.939	82.523	3.584	setout level to finished surface tin at pit centre
F-01/02	JUNCTION PIT - 1500x1500	298793.8	6254784	1.5	1.5	1200	78.699	1200	74.38	83.481	9.101	setout level to finished surface tin at pit centre
F-01/01	EXISTING STRUCTURE	298749.5	6254803	0.835	0.93	1200	72.91			76.379	3.469	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
F-02/04	JP 900x900	298862.4	6254671	0.9	0.9			600	79.9	83.455	3.555	
F-02/03	JP 900x900	298860.7	6254674	0.9	0.9	600	79.883	600	79.66	83.479	3.819	
F-02/02	JP 900x900	298869.3	6254720	0.9	0.9	600	79.426	600	79.406	83.37	3.965	
F-02/01	JP 900x900	298874.4	6254754	0.9	0.9	600	79.235	600	79.215	82.706	3.491	
F-01/04	JUNCTION PIT - 1500x1500	298869.7	6254771	1.5	1.5	600	79.125			82.568	3.463	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
F-03/01	JP 900x900	298840.4	6254773	0.9	0.9			750	79.34	82.8	3.46	
F-01/03	JUNCTION PIT - 1500x1500	298840.9	6254776	1.5	1.5	750	79.31			82.523	3.584	setout level to finished surface tin at pit centre
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
F-04/01	JP 900x900	298884.3	6254761	0.9	0.9			525	79.35	82.765	3.415	
F-01/05	JUNCTION PIT - 1200x1200	298884.1	6254765	1.2	1.2	525	79.312			82.727	3.435	setout level to finished surface tin at pit centre
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
F-05/04	GSIP 600x600	298751.2	6254731	0.6	0.6			150	82.379	82.835	0.456	
F-05/03	GSIP 600x600	298755.5	6254760	0.6	0.6	150	82.087	150	82.067	82.636	0.569	
F-05/02	GSIP 900x900	298759.6	6254786	0.9	0.9	150	81.8	150	81.78	82.457	0.676	
F-05/01	GSIP 900x900	298786.5	6254799	0.9	0.9	150	81.484	150	81.464	82.229	0.765	
F-11/01	GSIP 900x900	298803.6	6254795	0.9	0.9	150	81.29			82.11	0.84	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
F-07/01	GSIP 900x900	298874.5	6254554	0.9	0.9			225	81.508	82.656	1.148	
F-08/04	GSIP 900x900	298844.8	6254558	0.9	0.9	225	81.208			82.606	1.695	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
F-08/07	GSIP 900x900	298763.2	6254570	0.9	0.9			225	81.796	82.493	0.697	
F-08/06	GSIP 900x900	298785.7	6254568	0.9	0.9	225	81.571	225	81.551	82.528	0.978	
F-08/05	GSIP 900x900	298815.2	6254563	0.9	0.9	225	81.251	225	81.231	82.556	1.325	
F-08/04	GSIP 900x900	298844.8	6254558	0.9	0.9	225	80.931	300	80.911	82.606	1.695	
F-08/03	GSIP 900x900	298847.2	6254574	0.9	0.9	300	80.753	300	80.733	82.585	1.852	
F-08/02	GSIP 900x900	298851.6	6254603	0.9	0.9	300	80.433	375	80.413	82.635	2.222	
F-08/01	JP 900x900	298855.1	6254637	0.9	0.9	375	80.075	375	80.055	83.438	3.383	
F-02/03	JP 900x900	298860.7	6254674	0.9	0.9	375	79.68			83.479	3.819	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
F-09/01	JP 900x900	298988.7	6254745	0.9	0.9			525	80.35	82.375	2.025	
F-01/07	JP 900x900	298963.5	6254753	0.9	0.9	525	80.086			83.534	3.747	setout level to finished surface tin at pit centre
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
F-10/01	GSIP 900x900	298785.4	6254566	0.9	0.9			225	81.817	82.529	0.711	
F-08/06	GSIP 900x900	298785.7	6254568	0.9	0.9	225	81.795			82.528	0.978	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
F-11/02	GSIP 600x600	298827.4	6254791	0.6	0.6			150	81.754	82.209	0.454	
F-11/01	GSIP 900x900	298803.6	6254795	0.9	0.9	150	81.511	225	81.27	82.11	0.84	
F-01/02	JUNCTION PIT - 1500x1500	298793.8	6254784	1.5	1.5	225	81.124			83.481	9.101	setout level to finished surface tin at pit centre
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
G-01/05	GSIP 900x900	298725.9	6254613	0.9	0.9			225	79.135	80.377	1.242	
G-01/04	GSIP 900x900	298727.5	6254621	0.9	0.9	225	78.901	225	78.881	80.172	1.291	
G-01/03	JP 900x900	298728.2	6254626	0.9	0.9	225	78.832	225	78.593	80.51	1.917	
G-01/02	ROAD PIT	298723.7	6254627	0.835	0.93	225	78.544	375	78.35	79.734	1.384	
G-01/01	ROAD PIT	298711.7	6254630	0.835	0.93	375	78.22			79.761	2.871	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
G-02/04	GSIP 900x900	298742.6	6254685	0.9	0.9			225	81.661	82.829	1.168	
G-02/03	GSIP 900x900	298739.5	6254665	0.9	0.9	225	80.864	225	80.828	81.996	1.168	
G-02/02	GSIP 900x900	298736.3	6254644	0.9	0.9	225	79.981	225	79.945	81.113	1.168	
G-02/01	GSIP 900x900	298733.5	6254625	0.9	0.9	225	79.208	225	79.188	80.339	1.152	
G-01/03	JP 900x900	298728.2	6254626	0.9	0.9	225	79.134			80.51	1.917	
Pit				INTERNAL		INLET		OUTLET		PIT		
Name	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	REMARKS
G-03/04	GSIP 900x900	298737.9	6254564	0.9	0.9			300	80.624	81.87	1.246	
G-03/03	GSIP 900x900	298720.5	6254571	0.9	0.9	300	79.767	300	79.724	80.977	1.253	
G-03/02	GSIP 900x900	298722.4	6254587	0.9	0.9	300	79.551	375	79.249	80.79	1.541	
G-03/01	ROAD PIT	298718.3	6254591	0.835	0.93	375	79.03	375	79.01	80.385	1.376	
G-01/02	ROAD PIT	298723.7	6254627	0.835	0.93	375	78.432			79.734	1.384	
NOTE:												
1. xy setout to pit centre												
2. setout level to pit cover level												
3. some setout xy or z levels have special setout data. See individual manhole remarks												

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	1	INITIAL RELEASE	JH	CG	GC

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Architect HDR

Services AURECON

Structural TTW

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{Contractor / Consultant / Document Author}

TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
PIT SCHEDULE SHEET 02

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
NA	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-4201	1

BURLEY ROAD

JOHNSTON CRES

LOADING DOCK

LOADING DOCK

PROPOSED VEHICLE CROSSING TO JOHNSTON CRES FOR LIGHT VEHICLE SITE ACCESS.

PROPOSED VEHICLE CROSSING TO JOHNSTON CRES FOR HEAVY VEHICLE ACCESS.

LOADING DOCK

PROPOSED TEMPORARY PAVEMENT FOR CONSTRUCTION VEHICLE ACCESS TO FUTURE SUBSTATION YARD.

PROPOSED TEMPORARY PAVEMENT FOR CONSTRUCTION VEHICLE ACCESS TO FUTURE SUBSTATION YARD.

NOTE:
1. PROPOSED VEHICLE CROSSINGS TO BE IN ACCORDANCE WITH RELAVENT COUNCIL GUIDELINES AND SPECIFICATIONS.
2. PAVEMENT DETAILS TO BE PROVIDED AT DETAILED DESIGN STAGE.
3. ACCESSIBLE PARKING SPACES TO BE IN ACCORDANCE WITH AS2890.6. DETAILS TO BE PROVIDED AT DETAILED DESIGN STAGE.

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

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PRINCIPAL CONSULTANTS

Architect: HDR

Services: AURECON

Structural: TTW

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{Contractor / Consultant / Document Author}

TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
ROADWORKS PLAN
(ULTIMATE)

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
1:500	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-5001	2

BURLEY ROAD

JOHNSTON CRES

LOADING DOCK

PROPOSED VEHICLE CROSSING TO JOHNSTON CRES FOR LIGHT VEHICLE SITE ACCESS.

PROPOSED VEHICLE CROSSING TO JOHNSTON CRES FOR HEAVY VEHICLE ACCESS.

LOADING DOCK

PROPOSED TEMPORARY PAVEMENT FOR CONSTRUCTION VEHICLE ACCESS TO FUTURE SUBSTATION YARD.

PROPOSED TEMPORARY PAVEMENT FOR CONSTRUCTION VEHICLE ACCESS TO FUTURE SUBSTATION YARD.

NOTE:
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2. PAVEMENT DETAILS TO BE PROVIDED AT DETAILED DESIGN STAGE.
3. ACCESSIBLE PARKING SPACES TO BE IN ACCORDANCE WITH AS2890.6. DETAILS TO BE PROVIDED AT DETAILED DESIGN STAGE.

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

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PRINCIPAL CONSULTANTS

Architect: HDR

Services: AURECON

Structural: TTW

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TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

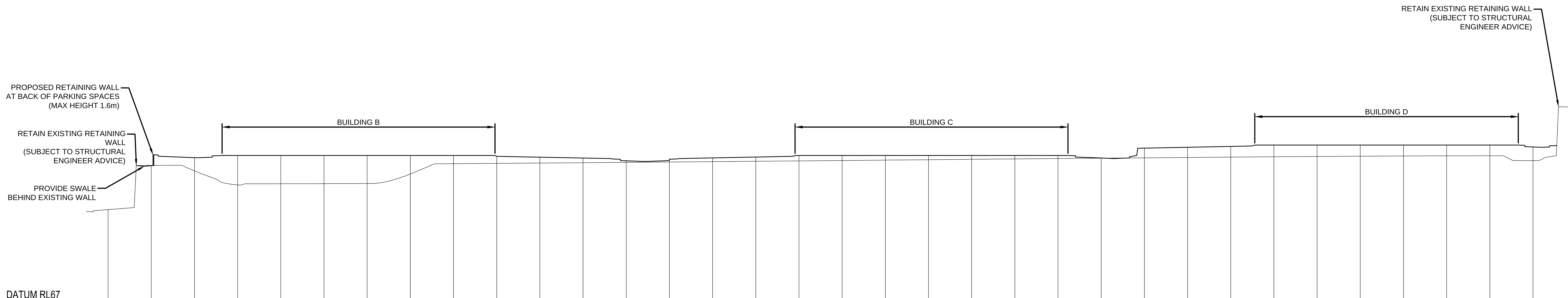
Drawing title
ROADWORKS PLAN
(STAGE 1)

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
1:500	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-5002	2

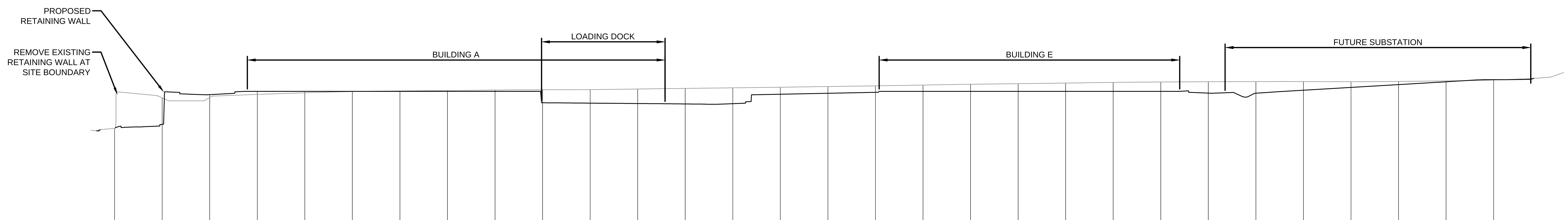


DATUM RL67

CHAINAGES	DESIGN SURFACE LEVELS	EXISTING SURFACE LEVELS	HEIGHT DIFF.
0.000		77.721	0.000
10.000	82.816	82.844	-0.028
20.000	83.744	82.219	1.526
30.000	84.000	80.586	3.414
40.000	84.000	80.723	3.277
50.000	84.000	80.733	3.267
60.000	84.000	80.743	3.257
70.000	84.000	81.856	2.144
80.000	84.000	83.044	0.956
90.000	83.899	83.080	0.819
100.000	83.799	83.117	0.682
110.000	83.699	83.157	0.542
120.000	83.383	83.197	0.185
130.000	83.560	83.239	0.321
140.000	83.713	83.280	0.433
150.000	83.813	83.322	0.491
160.000	84.000	83.367	0.633
170.000	84.000	83.412	0.588
180.000	84.000	83.458	0.542
190.000	84.000	83.505	0.495
200.000	84.000	83.551	0.449
210.000	84.000	83.598	0.402
220.000	84.000	83.647	0.353
230.000	83.703	83.686	0.017
240.000	84.851	83.721	1.129
250.000	84.951	83.760	1.190
260.000	85.051	83.808	1.242
270.000	85.200	83.849	1.351
280.000	85.200	83.883	1.317
290.000	85.200	83.912	1.288
300.000	85.200	83.938	1.262
310.000	85.200	83.957	1.243
320.000	85.200	83.962	1.238
330.000	84.980	83.402	1.578
340.000		89.560	0.000

SECTION A

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250



DATUM RL69

CHAINAGES	ULT. DESIGN SURFACE LEVELS	EXISTING SURFACE LEVELS	HEIGHT DIFFERENCE (EXI. TO ULT. DES.)
0.000		80.099	0.000
10.000	80.526	83.320	-2.793
20.000	83.653	83.338	0.315
30.000	84.000	83.676	0.324
40.000	84.000	83.843	0.157
50.000	84.000	83.980	0.020
60.000	84.000	84.038	-0.038
70.000	84.000	84.086	-0.086
80.000	84.000	84.134	-0.134
90.000	82.799	84.161	-1.362
100.000	82.759	84.181	-1.422
110.000	82.719	84.242	-1.523
120.000	82.675	84.309	-1.634
130.000	82.703	84.369	-1.665
140.000	83.694	84.433	-0.739
150.000	83.794	84.501	-0.707
160.000	83.894	84.576	-0.682
170.000	84.000	84.658	-0.658
180.000	84.000	84.744	-0.744
190.000	84.000	84.805	-0.805
200.000	84.000	84.869	-0.869
210.000	84.000	84.937	-0.937
220.000	84.000	84.980	-0.980
230.000	83.813	85.006	-1.193
240.000	83.805	85.025	-1.220
250.000	84.117	85.024	-0.907
260.000	84.412	85.011	-0.599
270.000	84.706	85.040	-0.334
280.000	85.004	85.094	-0.089
290.000	85.226	85.196	0.029

SECTION B

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

NOTE:
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GPO Box 3219
Brisbane QLD 4001
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[Contractor / Consultant / Document Author]

TTW Structural Civil Traffic Façade

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: | Stage: | NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

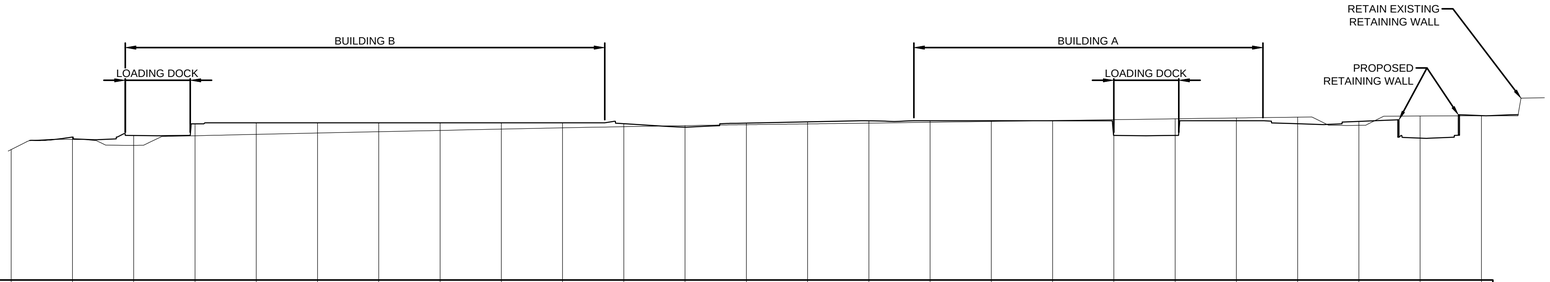
Project Name:
NEXT DC DATA CENTRE

Drawing title
SITEWORKS SECTIONS
SHEET 1

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn: JH/SS | Date: 21/03/2024
CHK: CG | Date: 21/03/2024
Scale: AS SHOWN | Sheet: A1 | File Name:

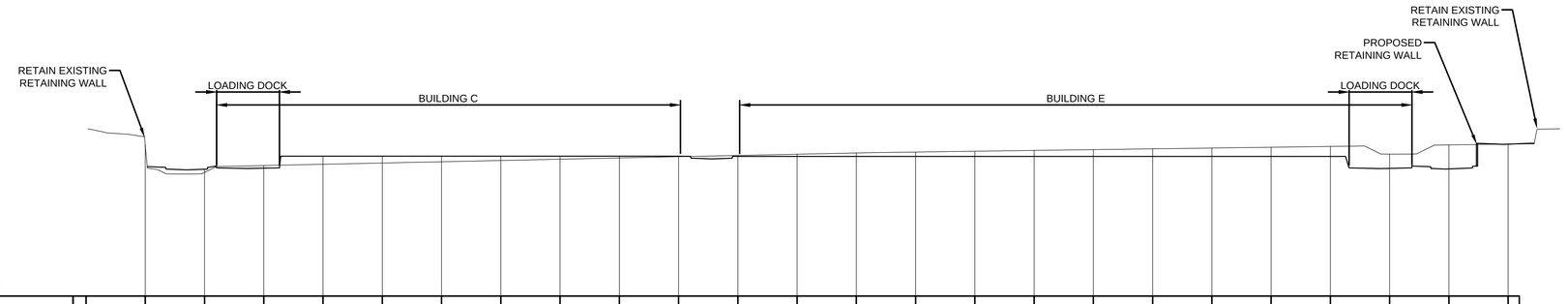
Drawing Number: S4-CI-NXT-DRG-0000-6000 | Rev: 2



DATUM RL71																									
DESIGN SURFACE LEVELS		82.661	82.791	83.744	83.828	83.828	83.828	83.828	83.828	83.828	83.757	83.470	83.807	83.907	83.993	84.000	84.000	84.000	82.800	82.797	84.000	83.750	83.944	82.579	84.415
EXISTING SURFACE LEVELS	81.643	82.466	81.990	82.773	82.884	82.991	83.098	83.206	83.314	83.420	83.511	83.598	83.673	83.737	83.803	83.870	83.940	84.010	84.083	84.157	84.224	84.289	83.620	84.380	84.403
HEIGHT DIFF.	0.000	0.195	0.802	0.971	0.944	0.837	0.730	0.622	0.514	0.408	0.246	-0.128	0.134	0.169	0.190	0.130	0.060	-0.010	-1.283	-1.360	-0.224	-0.539	0.323	-1.801	0.012
CHAINAGES	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000

SECTION C

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250



DATUM RL72																									
DESIGN SURFACE LEVELS			82.692	82.775	83.784	83.784	83.784	83.784	83.784	83.784	83.784	83.768	83.766	83.766	83.766	83.766	83.766	83.766	83.766	83.766	83.766	83.766	83.766	82.762	82.714	84.803
EXISTING SURFACE LEVELS	84.739	82.415	83.000	83.107	83.214	83.320	83.426	83.533	83.638	83.744	83.848	83.953	84.057	84.138	84.206	84.272	84.339	84.407	84.474	84.542	84.611	83.968	84.740	84.802	
HEIGHT DIFFERENCE	-0.000	0.277	-0.225	0.677	0.570	0.464	0.358	0.251	0.146	0.040	-0.080	-0.187	-0.291	-0.372	-0.440	-0.506	-0.573	-0.641	-0.708	-0.776	-0.845	-1.266	-2.026	0.000	
CHAINAGES	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000

SECTION D

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

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{Contractor / Consultant / Document Author}

TTW Structural Civil Traffic Façade

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: | Stage: | NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
SITEWORKS SECTIONS
SHEET 2

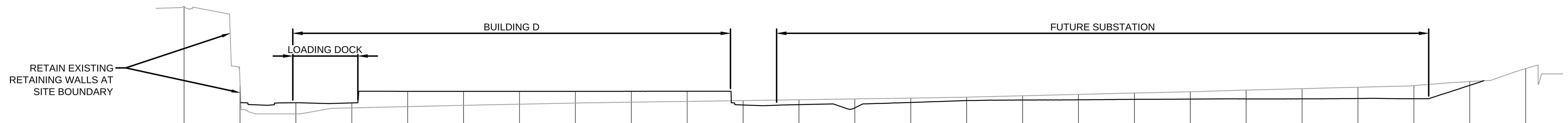
Drawing Status:
NEXTDC DATA CENTRE
DEVELOPMENT APPLICATION
(SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
AS SHOWN	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-6001	2

CREATE SIGNIFICANT



DATUM RL72

ULT. DESIGN SURFACE LEVELS			83.999	83.985	85.017	85.021	85.021	85.021	85.021	85.022	83.801	83.834	83.546
EXISTING SURFACE LEVELS	92.610	85.948	83.000	83.541	83.656	83.769	83.871	83.972	84.049	84.120	84.192	84.267	84.343
HEIGHT DIFFERENCE (EXI. TO ULT. DES.)	-0.091	0.000	0.999	0.443	1.361	1.252	1.150	1.050	0.972	0.902	-0.391	-0.433	-0.797
CHAINAGES	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000

ULT. DESIGN SURFACE LEVELS	84.024	84.190	84.244	84.262	84.302	84.322	84.343	84.345	84.380	84.358	85.553	
EXISTING SURFACE LEVELS	84.420	84.498	84.619	84.741	84.863	84.987	85.126	85.258	85.382	85.527	85.894	87.052
HEIGHT DIFFERENCE (EXI. TO ULT. DES.)	-0.397	-0.308	-0.376	-0.480	-0.561	-0.665	-0.783	-0.913	-1.003	-1.170	-0.340	0.000
CHAINAGES	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000

SECTION E

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

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TTW Structural Civil Traffic Façade

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: Stage: NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

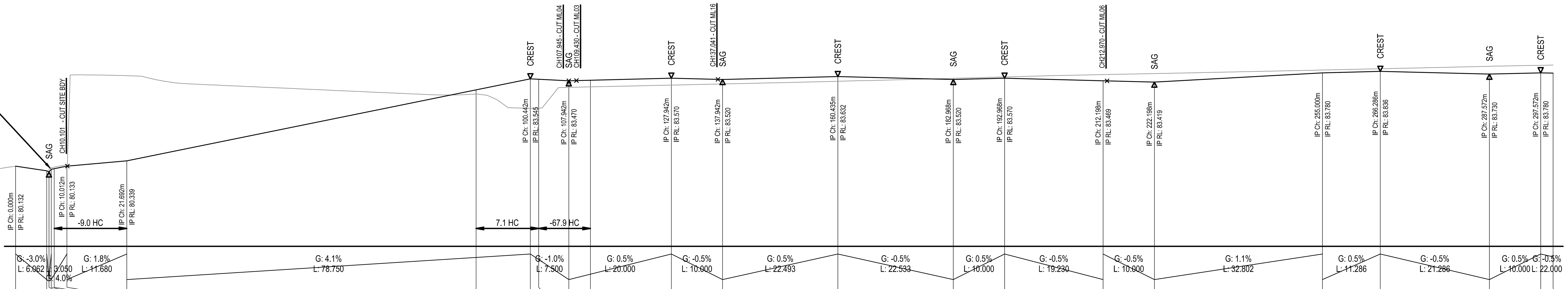
Drawing title
SITEWORKS SECTIONS
SHEET 3

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	JH/SS	Date	21/03/2024
CHK	CG	Date	21/03/2024
Scale: AS SHOWN	Sheet: A1	File Name:	
Drawing Number	S4-CI-NXT-DRG-0000-6002	Rev	2

DATUM 77.000

VERTICAL GEOMETRY

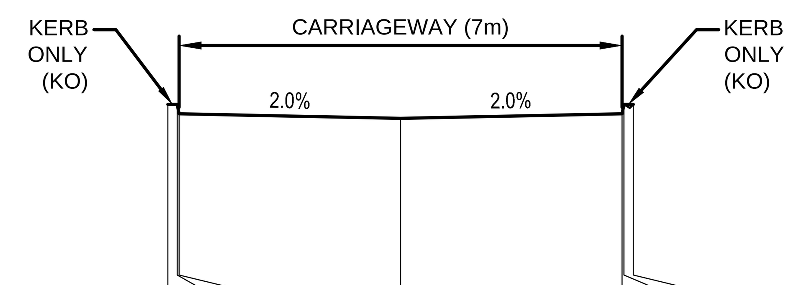


DESIGN LEVELS	80.132	79.951	79.911	80.011	80.033	80.133	80.339	83.114	83.545	83.529	83.470	83.491
EXISTING LEVELS	80.132	79.951	79.911	80.071	80.094	80.186	83.668	82.951	82.395	82.402	83.213	83.233
LEVEL DIFFERENCE	0.001	-0.000	-0.000	-0.061	-0.061	-0.054	-3.329	0.162	1.150	1.127	0.257	0.258
CHAINAGE	0.000	6.062	6.512	6.962	7.522	10.012	21.692	89.847	100.442	102.056	107.942	112.153

DESIGN LEVELS	83.570	83.520	83.632	83.520	83.570	83.469	83.419	83.780	83.836	83.730	83.780	83.768
EXISTING LEVELS	83.301	83.345	83.450	83.565	83.619	83.711	83.751	83.890	83.939	84.037	84.075	84.083
LEVEL DIFFERENCE	0.269	0.175	0.183	-0.045	-0.049	-0.242	-0.332	-0.110	-0.103	-0.307	-0.295	-0.315
CHAINAGE	127.942	137.942	160.435	182.968	192.968	212.198	222.198	255.000	266.286	287.572	297.572	300.000

ML01 ALIGNMENT

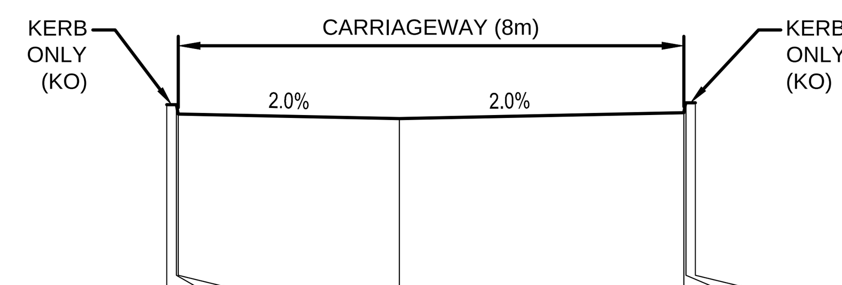
SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



DESIGN ELEVATION	0.220	0.220	0.070	0.000	0.070	0.220	0.220
OFFSETS	-3.680	-3.530	-3.500	0.000	3.500	3.530	3.680

ML01 TYPICAL CROSS SECTION (CH 10.00 - 36.29, CH 69.02 - 89.85, CH 246.05 - 307.40)

SCALE 1:100



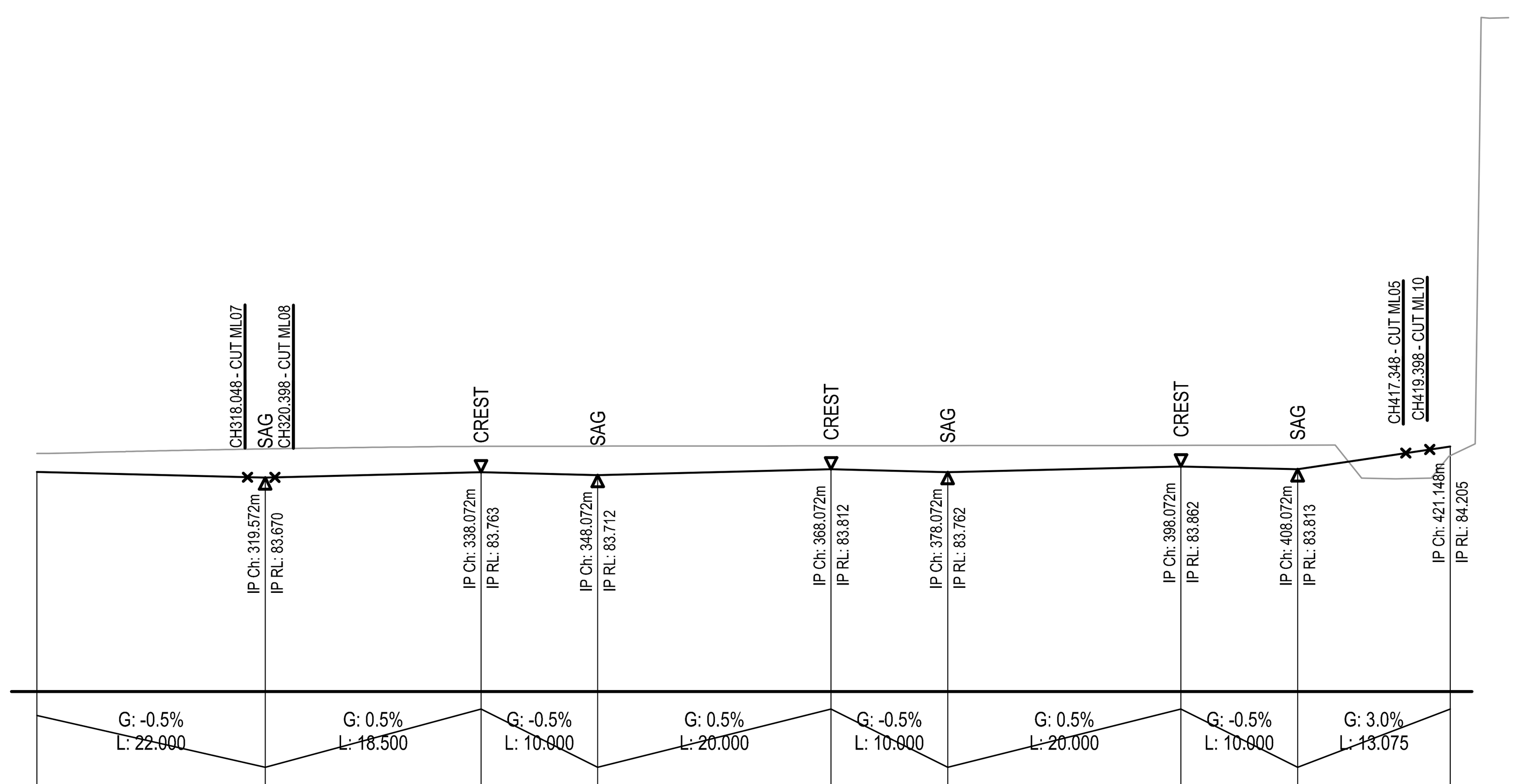
DESIGN ELEVATION	0.220	0.220	0.070	0.000	0.090	0.240	0.240
OFFSETS	-3.680	-3.530	-3.500	0.000	4.500	4.530	4.680

ML01 TYPICAL CROSS SECTION (CH 136.29- 69.02)

SCALE 1:100

DATUM 80.000

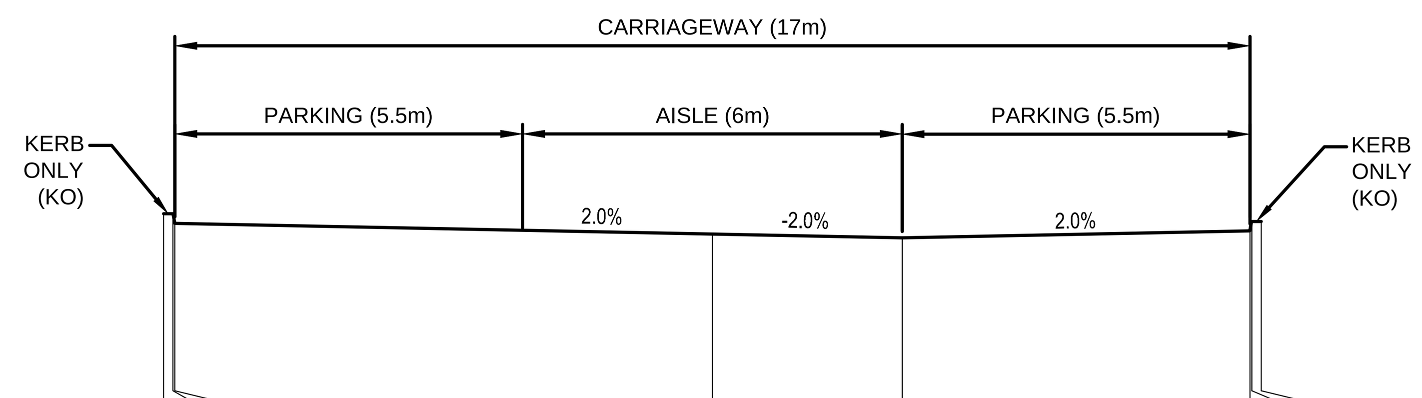
VERTICAL GEOMETRY



DESIGN LEVELS	83.768	83.670	83.763	83.712	83.812	83.762	83.862	83.813	84.205
EXISTING LEVELS	84.083	84.164	84.206	84.210	84.216	84.218	84.224	84.227	84.048
LEVEL DIFFERENCE	-0.315	-0.494	-0.444	-0.498	-0.403	-0.456	-0.361	-0.414	0.156
CHAINAGE	300.000	319.572	338.072	348.072	368.072	378.072	398.072	408.072	421.148

ML01 ALIGNMENT

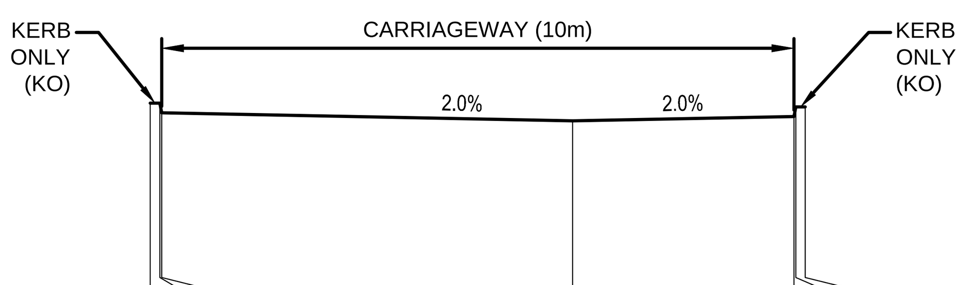
SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



DESIGN ELEVATION	0.320	0.320	0.170	0.000	-0.060	0.170	0.320	0.320
OFFSETS	-8.680	-8.530	-8.500	0.000	3.000	8.500	8.530	8.680

ML01 TYPICAL CROSS SECTION (CH 144.68 - 192.53)

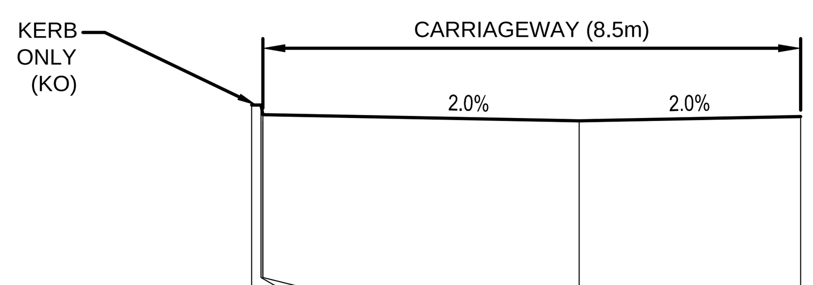
SCALE 1:100



DESIGN ELEVATION	0.280	0.280	0.130	0.000	0.070	0.220	0.220
OFFSETS	-6.680	-6.530	-6.500	0.000	3.500	3.530	3.680

ML01 TYPICAL CROSS SECTION (CH 218.25 - 242)

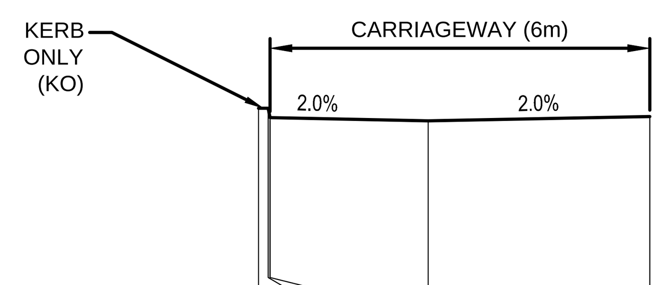
SCALE 1:100



DESIGN ELEVATION	0.250	0.250	0.100	0.000	0.070
OFFSETS	-5.180	-5.030	-5.000	0.000	3.500

ML01 TYPICAL CROSS SECTION (CH 326.80 - 349)

SCALE 1:100



DESIGN ELEVATION	0.200	0.200	0.050	0.000	0.070
OFFSETS	-2.680	-2.530	-2.500	0.000	3.500

ML01 TYPICAL CROSS SECTION (CH 351.80 - 441.65)

SCALE 1:100

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

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TTW Structural Civil Traffic Façade

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: | Stage: | NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT, HORSLEY PARK, NSW 2175 AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
ROADWORKS LONGITUDINAL AND TYPICAL CROSS SECTIONS - SHEET 1

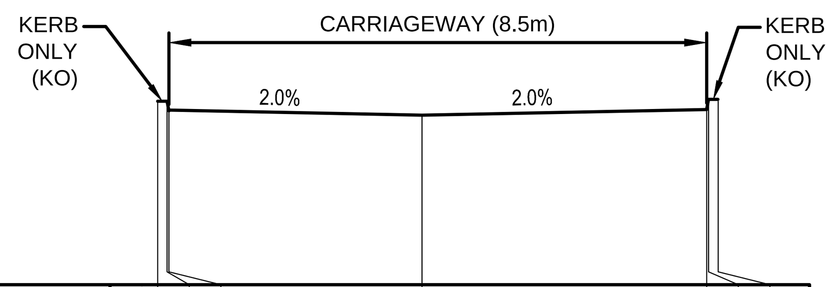
Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn JH/SS Date 21/03/2024

CHK CG Date 21/03/2024

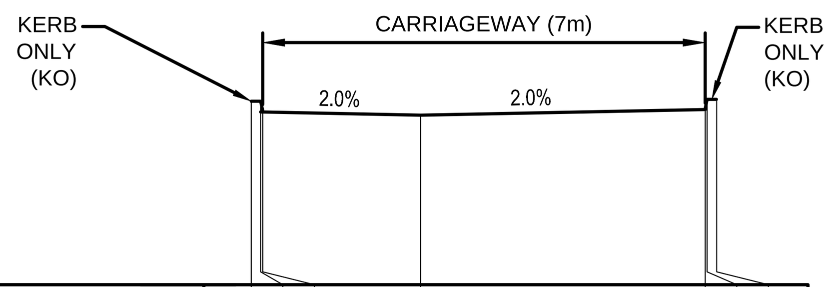
Scale: AS SHOWN | Sheet: A1 | File Name:

Drawing Number S4-CI-NXT-DRG-0000-6010 Rev 2



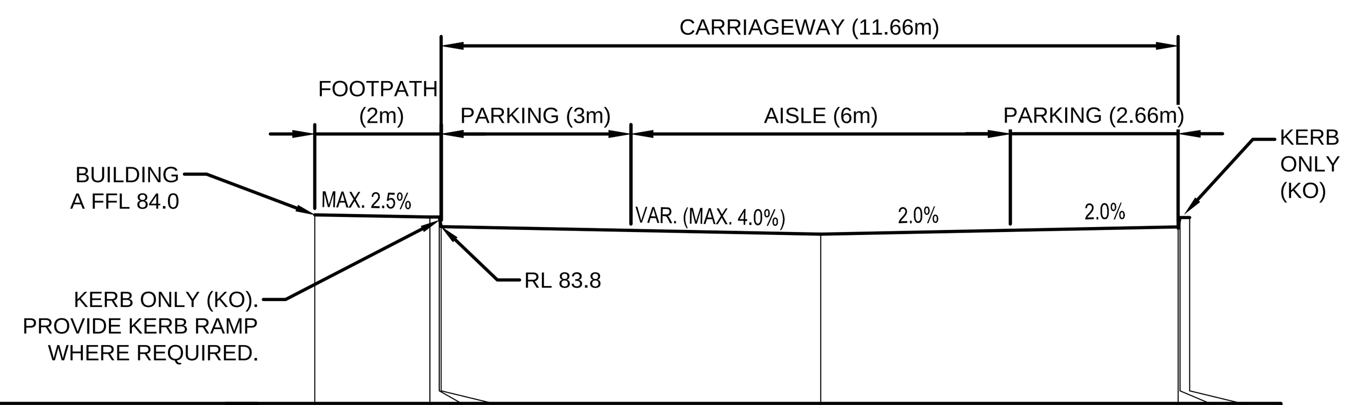
DESIGN ELEVATION	0.230	0.230	0.080	0.000	0.090	0.240	0.240
OFFSETS	-4.180	-4.030	-4.000	0.000	4.500	4.530	4.680

ML02 TYPICAL CROSS SECTION (CH 38.87 - 122.65)
SCALE 1:100



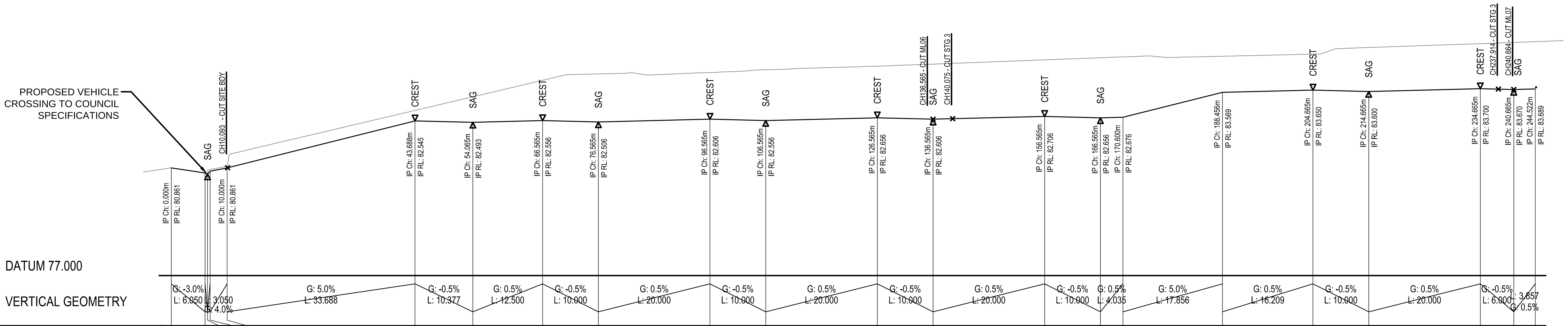
DESIGN ELEVATION	0.200	0.200	0.050	0.000	0.090	0.240	0.240
OFFSETS	-2.680	-2.530	-2.500	0.000	4.500	4.530	4.680

ML02 TYPICAL CROSS SECTION (CH 143.32 - 218.32)
SCALE 1:100



DESIGN ELEVATION	VAR	VAR	VAR	VAR	0.000	0.113	0.263	0.263
OFFSETS	-8.000	-6.180	-6.030	-6.000	0.000	5.655	5.685	5.835

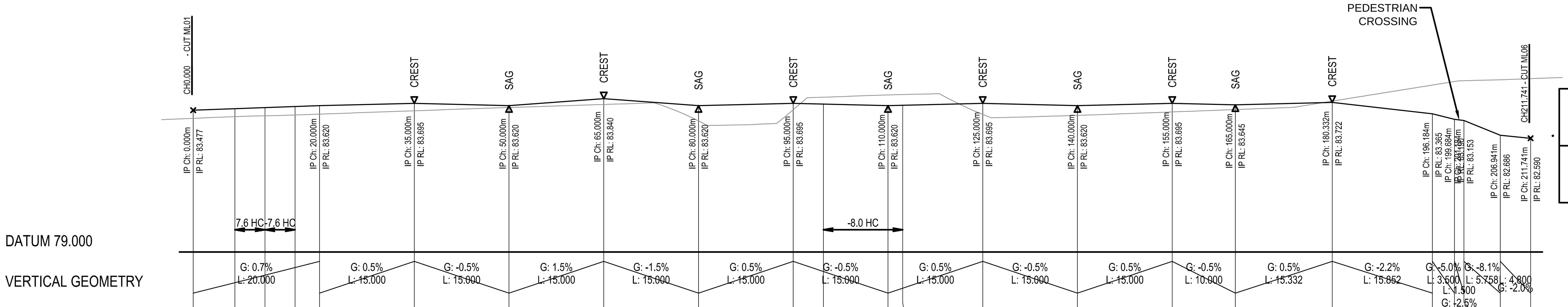
ML03 TYPICAL CROSS SECTION (CH 18.8 - 49.9, CH 62.6 - 87.6)
SCALE 1:100



DESIGN LEVELS	80.861	80.679	80.639	80.739	80.861	82.545	82.493	82.556	82.506	82.606	82.556	82.656	82.606	82.706	82.656	82.676	83.569	83.650	83.600	83.700	83.670	83.689
EXISTING LEVELS	80.861	80.680	80.641	80.799	80.921	82.920	83.410	84.000	84.229	84.278	84.380	84.507	84.581	84.733	84.809	84.839	84.863	84.938	85.177	85.313	85.358	85.387
LEVEL DIFFERENCE	0.000	-0.001	-0.002	-0.060	-0.060	-0.375	-0.917	-1.444	-1.723	-1.672	-1.824	-1.851	-1.975	-2.027	-2.153	-2.163	-1.294	-1.288	-1.577	-1.613	-1.688	-1.698
CHAINAGE	0.000	6.050	6.500	6.950	10.000	43.688	54.065	66.565	76.565	96.565	106.565	126.565	136.565	156.565	166.565	170.600	188.456	204.665	214.665	234.665	240.665	244.522

ML02 ALIGNMENT

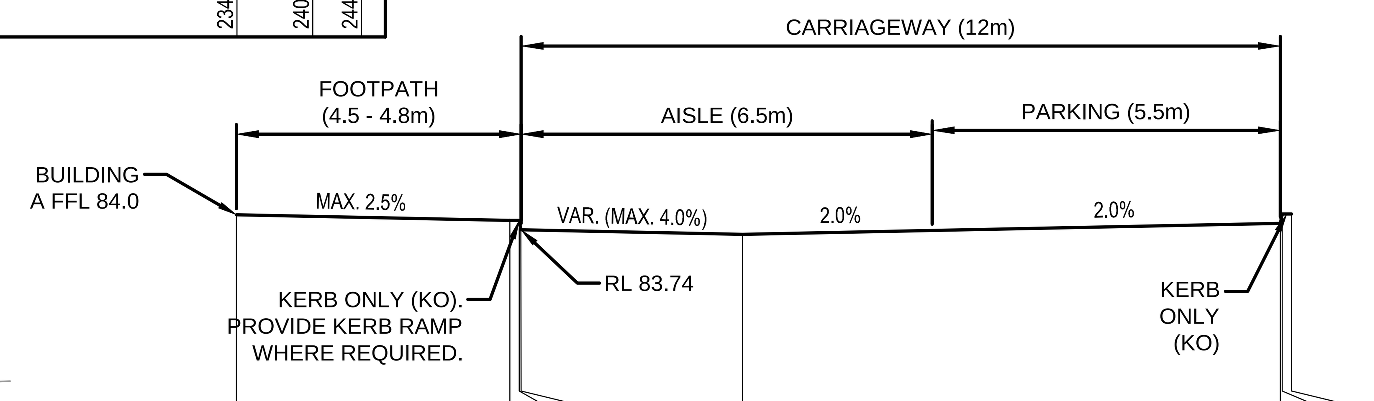
SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



DESIGN LEVELS	83.477	83.524	83.558	83.592	83.620	83.695	83.620	83.840	83.620	83.695	83.671	83.620	83.632	83.695	83.620	83.695	83.645	83.722	83.365	83.190	83.153	82.686	82.590
EXISTING LEVELS	83.220	83.272	83.300	83.325	83.353	83.459	83.563	83.658	83.139	83.492	83.886	83.960	83.973	83.343	83.315	83.422	83.497	83.763	84.271	84.383	84.408	84.438	84.473
LEVEL DIFFERENCE	0.257	0.252	0.259	0.267	0.267	0.236	0.057	0.182	0.481	0.203	-0.215	-0.340	-0.341	0.352	0.305	0.273	0.148	-0.042	-0.906	-1.193	-1.255	-1.752	-1.883
CHAINAGE	0.000	6.595	11.366	16.133	20.000	35.000	50.000	65.000	80.000	95.000	99.767	110.000	112.334	125.000	140.000	155.000	165.000	180.332	196.184	199.684	201.184	206.941	211.741

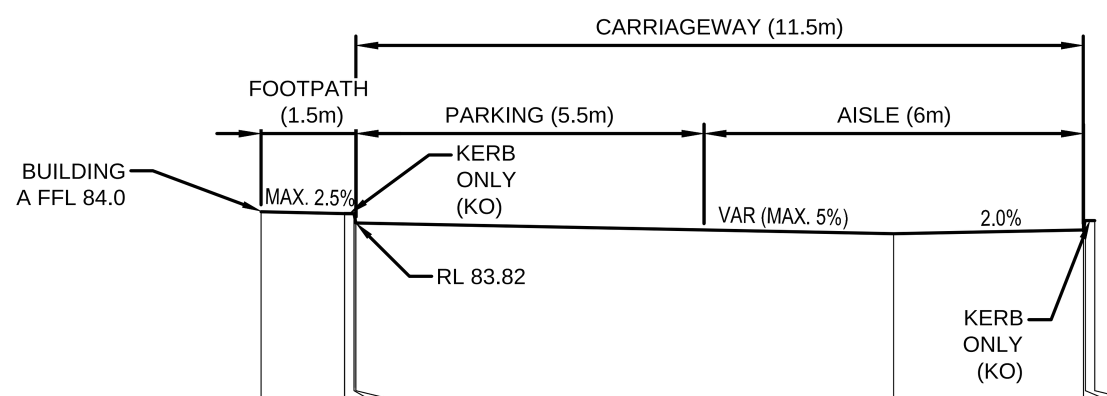
ML03 ALIGNMENT

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



DESIGN ELEVATION	VAR	VAR	VAR	VAR	0.000	0.170	0.230	0.230
OFFSETS	VAR	-3.680	-3.530	-3.500	0.000	8.500	8.530	8.680

ML03 TYPICAL CROSS SECTION (CH 95.6 - 100.3, CH 144.6 - 133.2)
SCALE 1:100



DESIGN ELEVATION	VAR	VAR	VAR	VAR	0.000	0.060	0.210	0.210
OFFSETS	-10.000	-8.680	-8.530	-8.500	0.000	3.000	3.030	3.180

ML03 TYPICAL CROSS SECTION (CH 142 - 196.18)
SCALE 1:100

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

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[Contractor / Consultant / Document Author]
TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: | Stage: | NEXTDC Project Number:

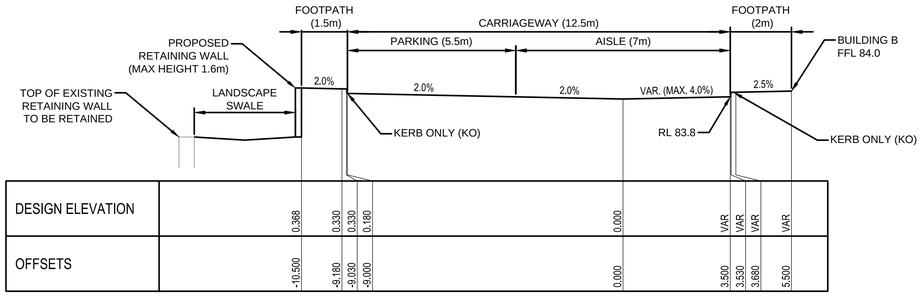
Project Address:
16 JOHNSTON CRESCENT, HORSLEY PARK, NSW 2175 AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
ROADWORKS LONGITUDINAL AND TYPICAL CROSS SECTIONS - SHEET 2

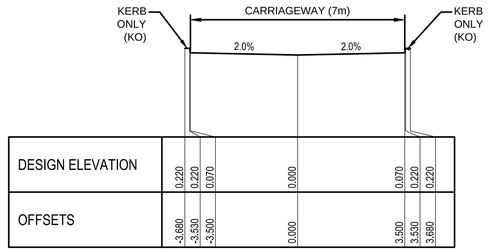
Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn JH/SS Date 21/03/2024
CHK CG Date 21/03/2024
Scale: AS SHOWN Sheet: A1 File Name:
Drawing Number S4-CI-NXT-DRG-0000-6011 Rev 2



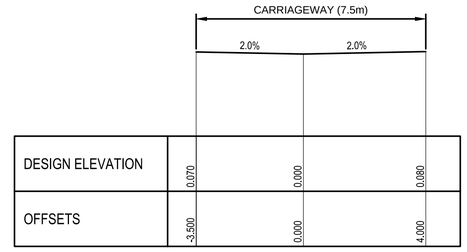
DESIGN ELEVATION	0.368	0.330	0.330	0.180	0.000	VAR	VAR	VAR
OFFSETS	-10.500	-9.180	-9.030	-9.000	0.000	3.500	3.530	3.880	5.500

ML04 TYPICAL CROSS SECTION (CH 16.4 - 74.35)
SCALE 1:100



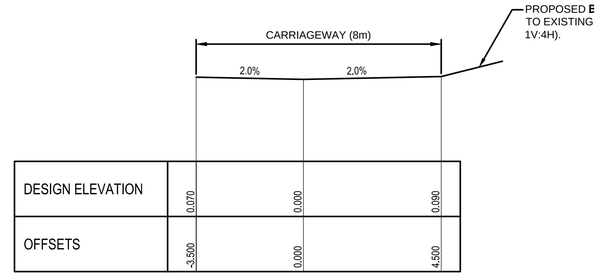
DESIGN ELEVATION	0.220	0.220	0.070	0.000	0.070	0.220	0.220
OFFSETS	-3.680	-3.530	-3.500	0.000	3.500	3.530	3.680

ML01 TYPICAL CROSS SECTION (CH 12 - 16.4, CH 74.35 - 176)
SCALE 1:100



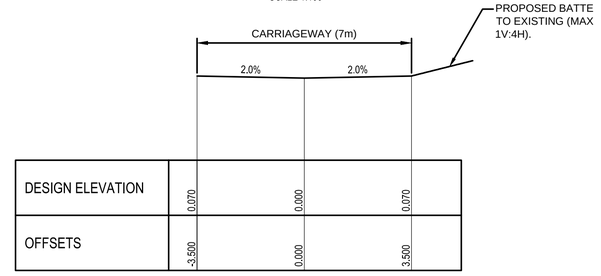
DESIGN ELEVATION	0.070	0.000	0.080
OFFSETS	-3.500	0.000	4.000

ML05 TYPICAL CROSS SECTION (CH 10 - 198)
SCALE 1:100



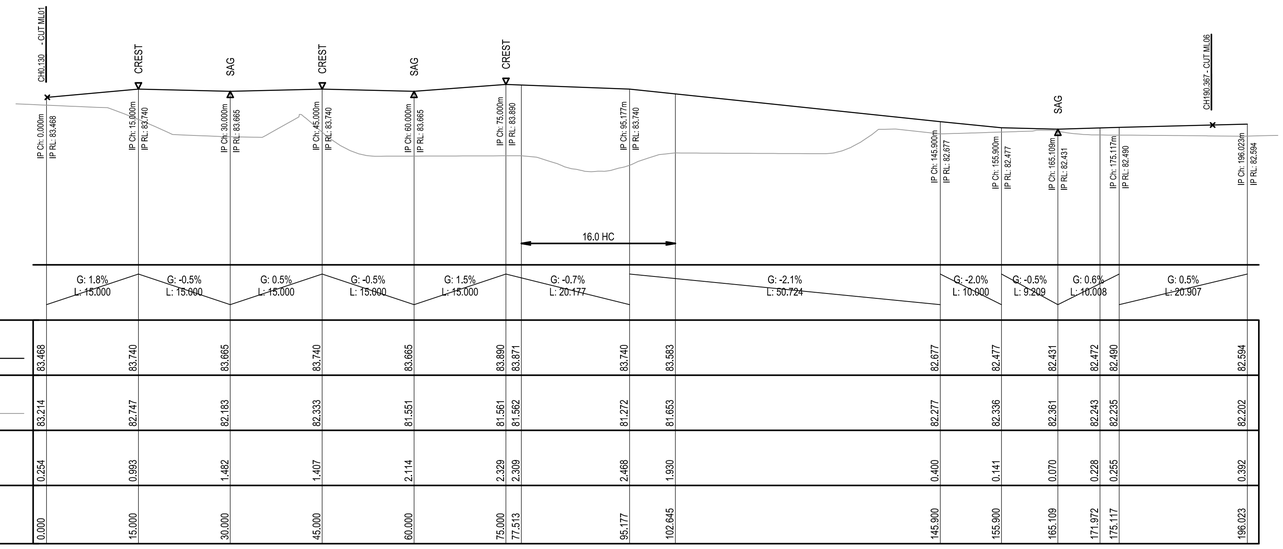
DESIGN ELEVATION	0.070	0.000	0.090
OFFSETS	-3.500	0.000	4.500

ML05 TYPICAL CROSS SECTION (CH 208 - 243)
SCALE 1:100



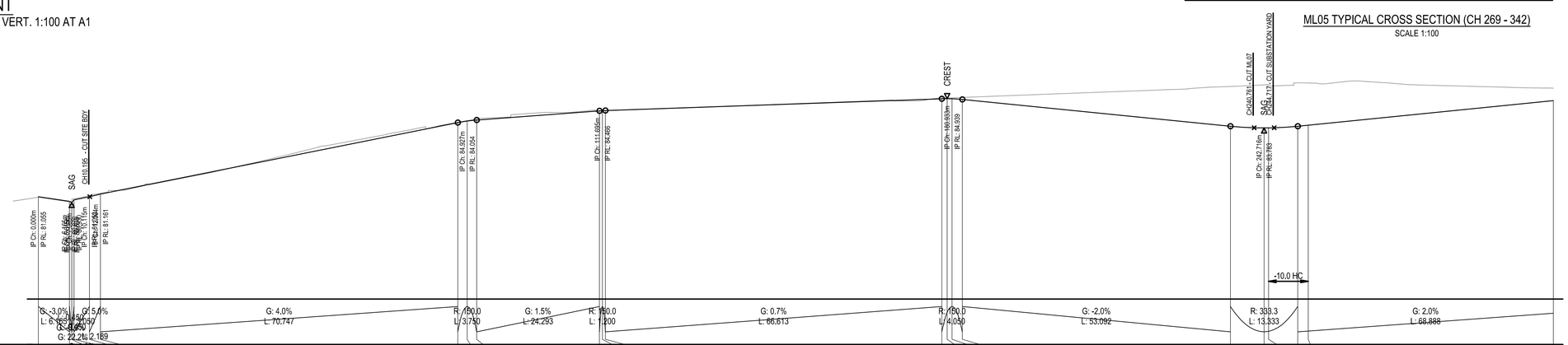
DESIGN ELEVATION	0.070	0.000	0.070
OFFSETS	-3.500	0.000	3.500

ML05 TYPICAL CROSS SECTION (CH 269 - 342)
SCALE 1:100



DESIGN LEVELS	83.468	83.740	83.665	83.740	83.665	83.890	83.871	83.740	83.583	82.677	82.477	82.431	82.472	82.490	82.594
EXISTING LEVELS	83.214	82.747	82.183	82.333	81.551	81.561	81.562	81.272	81.653	82.277	82.336	82.361	82.243	82.235	82.202
LEVEL DIFFERENCE	0.254	0.993	1.482	1.407	2.114	2.329	2.309	2.468	1.930	0.400	0.141	0.070	0.228	0.255	0.392
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	77.513	95.177	102.645	145.900	155.900	165.109	171.972	175.117	196.023

ML04 ALIGNMENT
SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



DESIGN LEVELS	81.055	80.870	80.830	80.930	81.052	81.161	83.991	84.054	84.094	84.459	84.466	84.472	84.938	84.942	84.939	84.912	83.850	83.783	83.785	83.850	83.891	84.862
EXISTING LEVELS	81.032	80.854	80.814	80.975	81.097	81.190	84.005	84.071	84.137	84.447	84.457	84.467	84.995	84.969	84.977	84.992	85.428	85.491	85.444	85.571	85.564	85.360
LEVEL DIFFERENCE	0.023	0.016	0.016	-0.045	-0.045	-0.029	-0.014	-0.017	-0.043	0.012	0.010	0.005	-0.057	-0.027	-0.038	-0.080	-1.578	-1.708	-1.659	-1.721	-1.673	-0.497
CHAINAGE	0.000	6.165	6.815	7.065	10.115	12.304	83.052	84.927	86.802	111.095	111.695	112.295	178.908	179.958	180.933	182.958	236.049	242.716	243.599	249.383	251.453	300.000

ML05 ALIGNMENT
SCALE - HORIZ. 1:500 VERT. 1:100 AT A1

21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC
DATE	No.	REVISION HISTORY	DRW	CHK	QA

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{Contractor / Consultant / Document Author}

TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site:	Stage:	NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

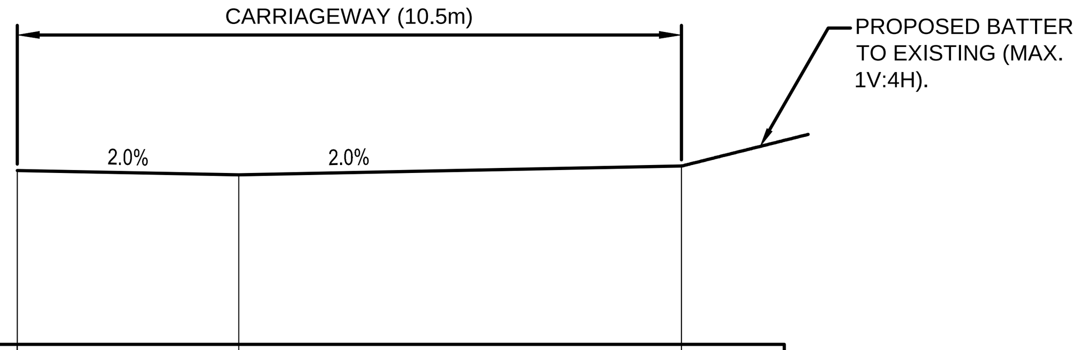
Drawing title
ROADWORKS LONGITUDINAL AND TYPICAL CROSS SECTIONS - SHEET 3

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	JH/SS	Date	21/03/2024
CHK	CG	Date	21/03/2024

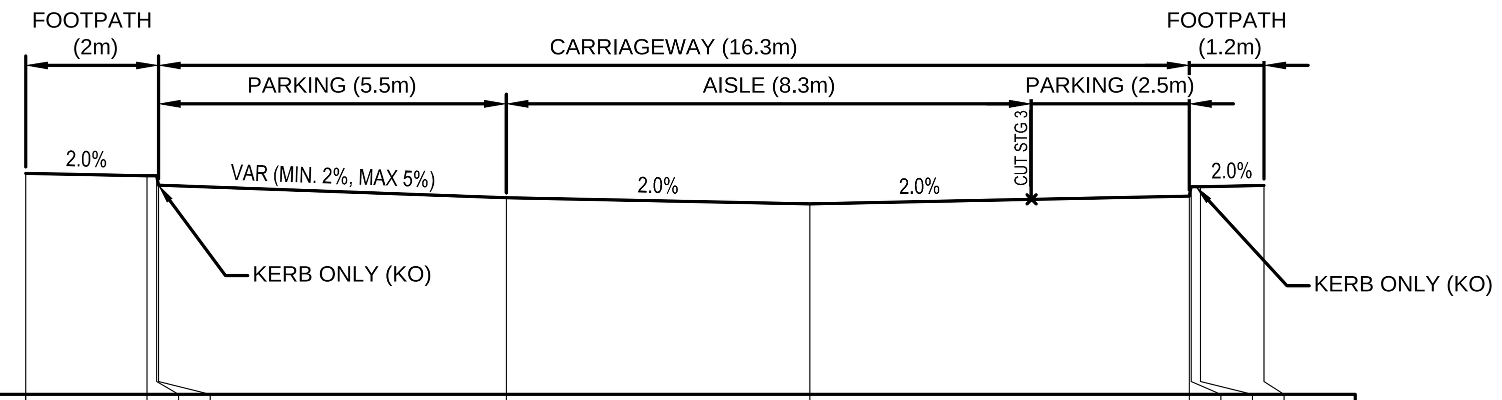
Scale:	Sheet:	File Name:
AS SHOWN	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-6012	2



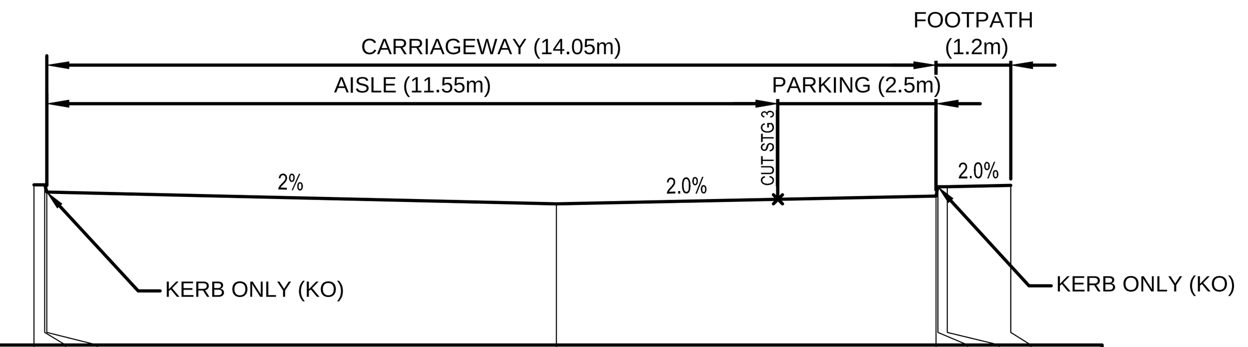
DESIGN ELEVATION	0.070	0.000	0.140
OFFSETS	-3.500	0.000	7.000

ML05 TYPICAL CROSS SECTION (CH 355 - 392)
SCALE 1:100



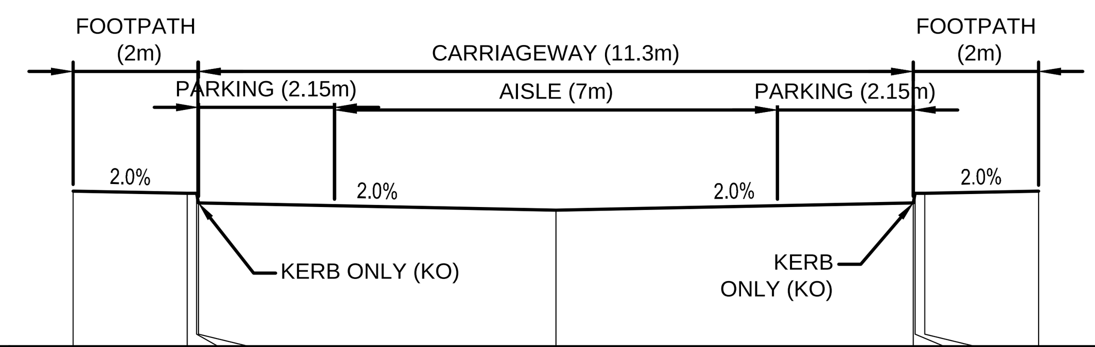
DESIGN ELEVATION	VAR	VAR	VAR	VAR	0.096	0.000	0.120	0.270	0.270	0.290
OFFSETS	-12.400	-10.480	-10.330	-10.300	-4.800	0.000	6.000	6.030	6.180	7.20

ML06 TYPICAL CROSS SECTION (CH 24 - 38.7, CH 59.15 - 79.15)
SCALE 1:100



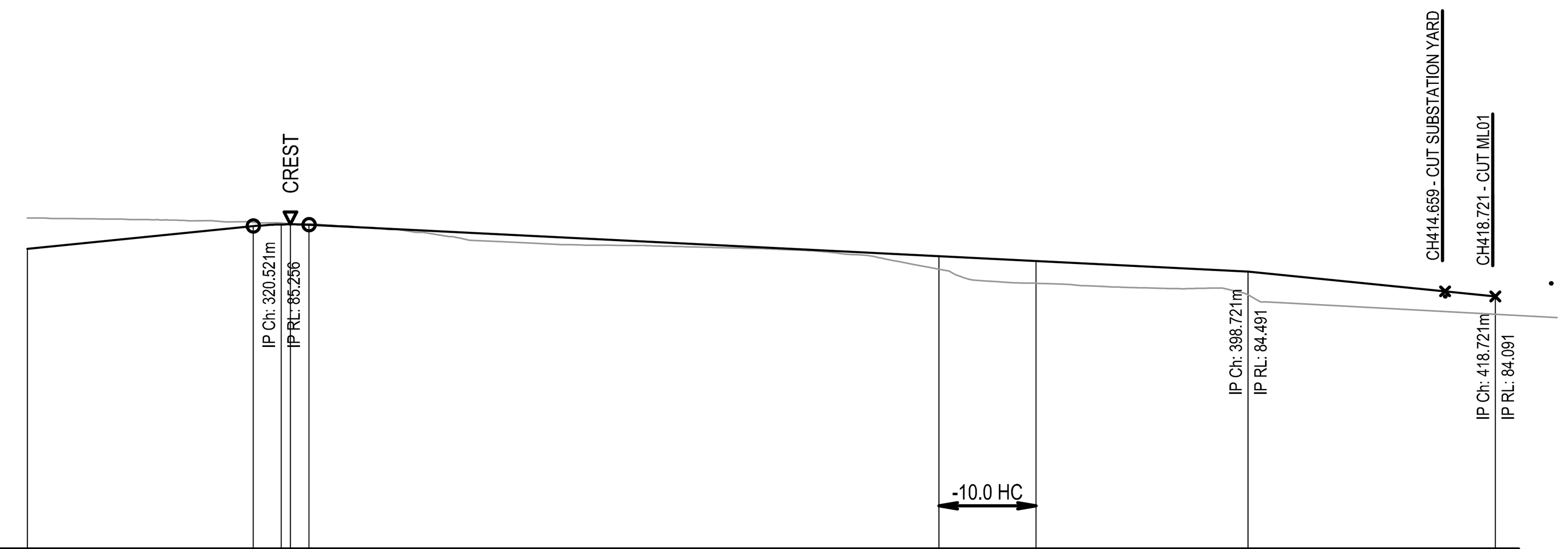
DESIGN ELEVATION	0.311	0.311	0.161	0.000	0.120	0.270	0.270	0.290
OFFSETS	-8.200	-8.080	-8.050	0.000	6.000	6.030	6.180	7.200

ML06 TYPICAL CROSS SECTION (CH 92 - 110)
SCALE 1:100



DESIGN ELEVATION	0.299	0.263	0.263	0.113	0.000	0.113	0.263	0.263	0.299
OFFSETS	-7.650	-5.830	-5.680	-5.650	0.000	5.650	5.680	5.830	7.650

ML06 TYPICAL CROSS SECTION (CH 141.54 - 192.42)
SCALE 1:100

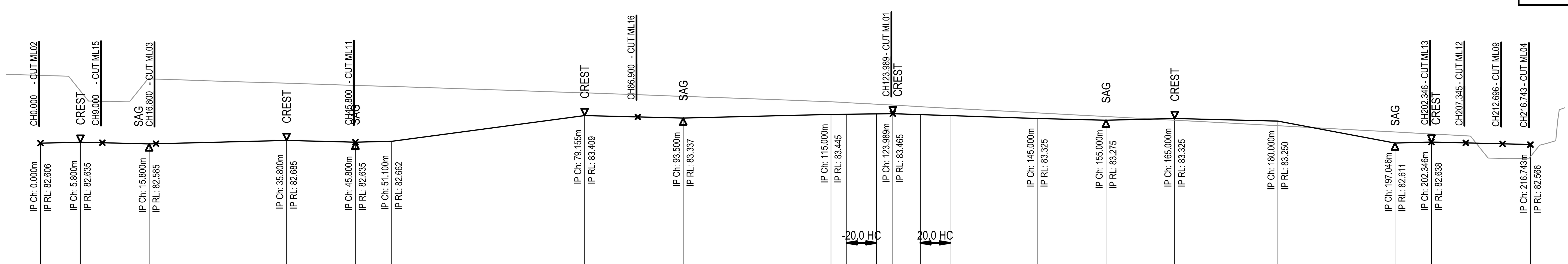


DATUM 80.000

VERTICAL GEOMETRY: G: 2.0% L: 68.888 | R: 150.0 L: 4.500 | G: -1.0% L: 75.950 | G: -2.0% L: 20.000

DESIGN LEVELS	84.862	85.228	85.256	85.258	85.250	84.741	84.662	84.491	84.091
EXISTING LEVELS	85.360	85.291	85.281	85.267	85.267	84.530	84.304	84.118	83.801
LEVEL DIFFERENCE	-0.497	-0.063	-0.026	-0.009	-0.017	0.211	0.358	0.373	0.290
CHAINAGE	300.000	318.271	320.521	321.271	322.771	373.729	381.583	398.721	418.721

ML05 ALIGNMENT
SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



DATUM 79.000

VERTICAL GEOMETRY: G: 0.5% L: 5.800 | G: -0.5% L: 10.000 | G: 0.5% L: 20.000 | G: -0.5% L: 10.000 | G: 0.5% L: 5.300 | G: 2.7% L: 28.055 | G: -0.5% L: 14.345 | G: 0.5% L: 21.500 | G: 0.2% L: 8.989 | G: -0.7% L: 21.011 | G: -0.5% L: 10.000 | G: 0.5% L: 10.000 | G: -0.5% L: 15.000 | G: -3.7% L: 17.046 | G: 0.5% L: 5.300 | G: -0.5% L: 14.398

DESIGN LEVELS	82.606	82.635	82.585	82.685	82.635	82.662	83.409	83.337	83.445	83.450	83.460	83.465	83.438	83.409	83.325	83.275	83.325	83.250	82.611	82.638	82.566
EXISTING LEVELS	84.581	84.129	84.480	84.352	84.290	84.257	84.071	83.970	83.812	83.788	83.741	83.714	83.669	83.622	83.488	83.382	83.275	83.114	82.931	82.873	82.210
LEVEL DIFFERENCE	-1.975	-1.494	-1.895	-1.667	-1.655	-1.595	-0.662	-0.633	-0.367	-0.338	-0.281	-0.249	-0.231	-0.213	-0.163	-0.107	0.050	0.136	-0.319	-0.235	0.356
CHAINAGE	0.000	5.800	15.800	35.800	45.800	51.100	79.155	93.500	115.000	117.277	121.593	123.989	128.000	132.316	145.000	155.000	165.000	180.000	197.046	202.346	216.743

ML06 ALIGNMENT
SCALE - HORIZ. 1:500 VERT. 1:100 AT A1

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC

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[Contractor / Consultant / Document Author]
Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: | Stage: | NEXTDC Project Number:

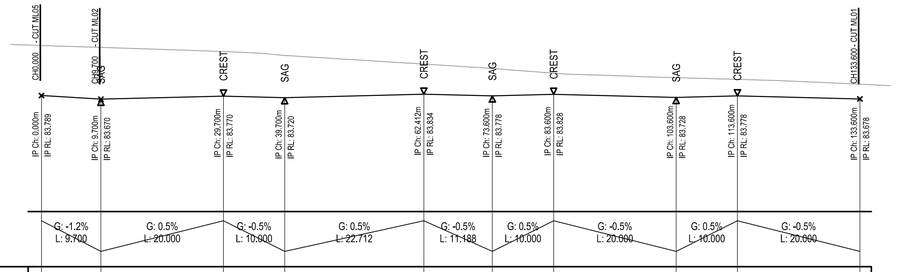
Project Address:
16 JOHNSTON CRESCENT, HORSLEY PARK, NSW 2175 AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
ROADWORKS LONGITUDINAL AND TYPICAL CROSS SECTIONS - SHEET 4

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn JH/SS | Date 21/03/2024
CHK CG | Date 21/03/2024
Scale: AS SHOWN | Sheet: A1 | File Name:
Drawing Number S4-CI-NXT-DRG-0000-6013 | Rev 2



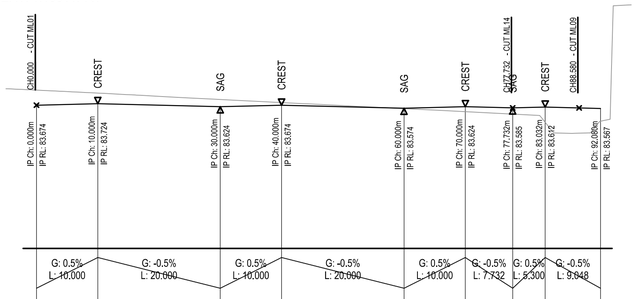
DATUM 80.000

VERTICAL GEOMETRY

DESIGN LEVELS	83.789	83.670	83.770	83.720	83.834	83.778	83.828	83.728	83.778	83.678
EXISTING LEVELS		85.358	85.224	85.098	84.815	84.671	84.518	84.372	84.316	84.159
LEVEL DIFFERENCE		-1.688	-1.454	-1.378	-0.982	-0.893	-0.690	-0.644	-0.538	-0.481
CHAINAGE	0.000	9.700	29.700	39.700	62.412	73.600	83.600	103.600	113.600	133.600

ML07 ALIGNMENT

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



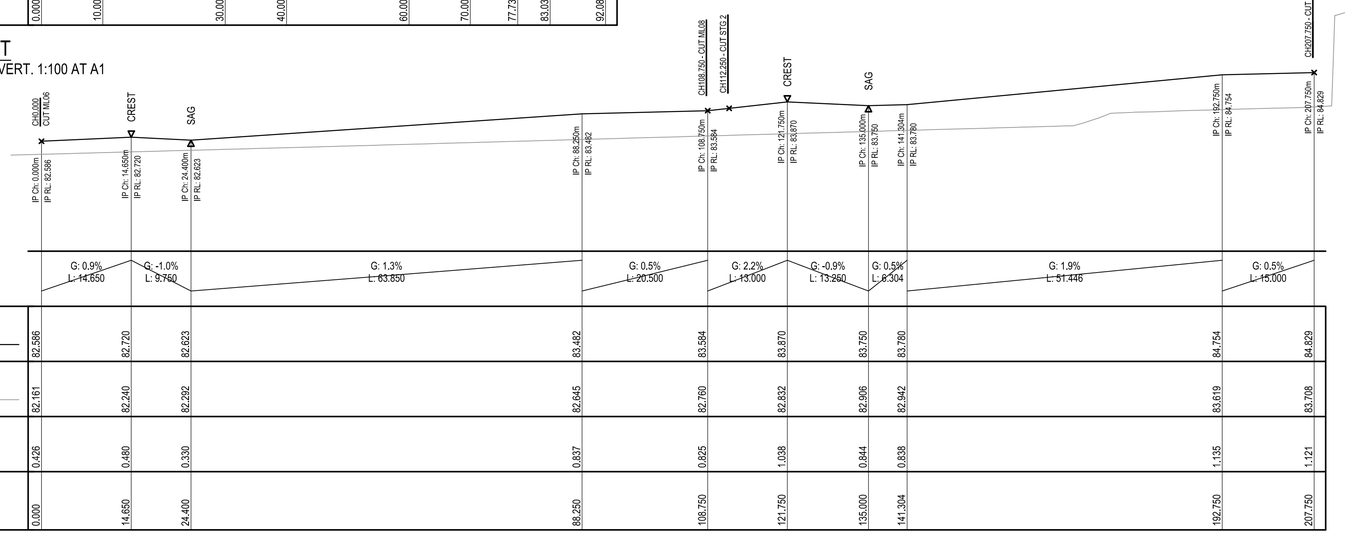
DATUM 79.000

VERTICAL GEOMETRY

DESIGN LEVELS	83.674	83.724	83.624	83.674	83.574	83.624	83.585	83.612	83.567
EXISTING LEVELS	84.166	84.069	83.860	83.761	83.563	83.464	83.383	83.116	83.150
LEVEL DIFFERENCE	-0.492	-0.345	-0.236	-0.087	0.011	0.160	0.202	0.496	0.416
CHAINAGE	0.000	10.000	30.000	40.000	60.000	70.000	77.732	83.032	92.080

ML08 ALIGNMENT

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



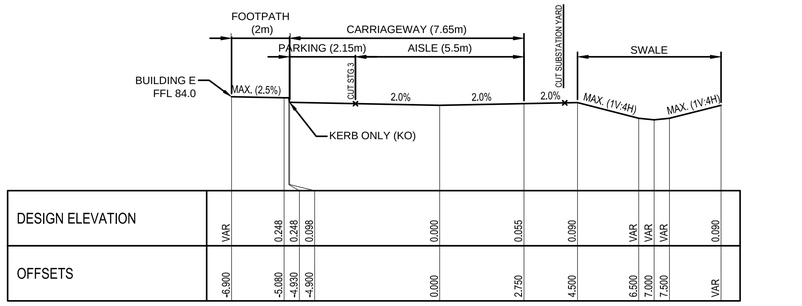
DATUM 79.000

VERTICAL GEOMETRY

DESIGN LEVELS	82.586	82.720	82.623	83.482	83.584	83.870	83.750	83.780	84.754	84.829
EXISTING LEVELS	82.161	82.240	82.292	82.645	82.760	82.832	82.906	82.942	83.619	83.708
LEVEL DIFFERENCE	0.426	0.480	0.330	0.837	0.825	1.038	0.844	0.838	1.135	1.121
CHAINAGE	0.000	14.650	24.400	88.250	108.750	121.750	135.000	141.304	192.750	207.750

ML09 ALIGNMENT

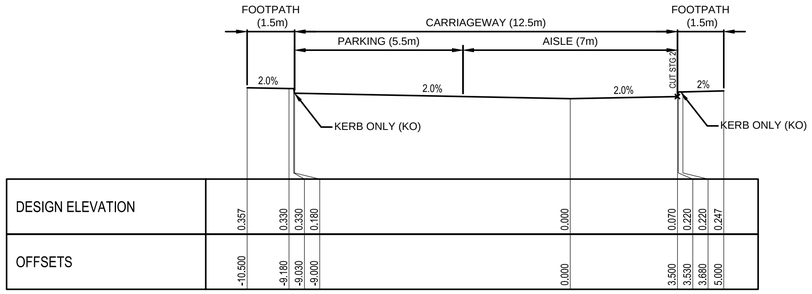
SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



DESIGN ELEVATION	VAR	0.248	0.248	0.098			0.000		0.055	0.090	VAR	VAR	VAR		0.090							
OFFSETS	-6.900	-5.080	-4.930	-4.900			0.000		2.750	4.500	6.500	7.000	7.500		VAR							

ML07 TYPICAL CROSS SECTION

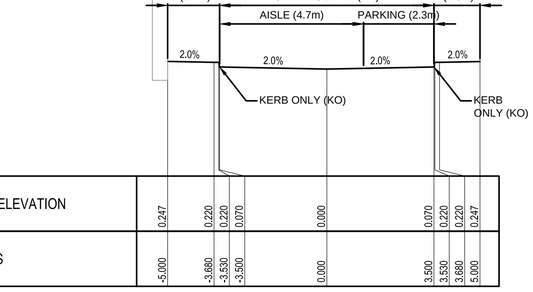
SCALE 1:100



DESIGN ELEVATION	0.357	0.330	0.330	0.180			0.000					0.070	0.220	0.220	0.247							
OFFSETS	-10.500	-9.180	-9.030	-9.000			0.000					3.500	3.530	3.680	5.000							

ML08 TYPICAL CROSS SECTION

SCALE 1:100



DESIGN ELEVATION	0.247	0.220	0.220	0.070			0.000					0.070	0.220	0.220	0.247							
OFFSETS	-5.000	-3.880	-3.530	-3.500			0.000					3.500	3.530	3.680	5.000							

ML09 TYPICAL CROSS SECTION

SCALE 1:100

21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13.03.24	1	INITIAL RELEASE	JH	CG	GC
DATE	No.	REVISION HISTORY	DRW	CHK	QA

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Document Author Project Number

Key Plan

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HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
ROADWORKS LONGITUDINAL AND TYPICAL CROSS SECTIONS - SHEET 5

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

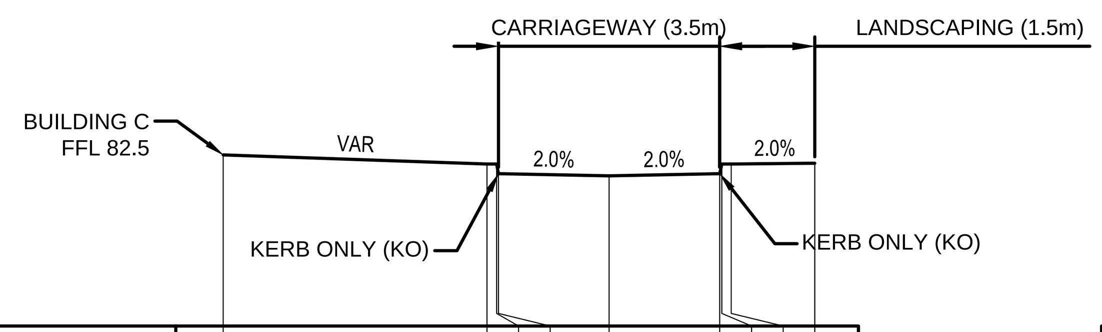
Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale:	Sheet:	File Name:
AS SHOWN	A1	

Drawing Number	Rev
S4-CI-NXT-DRG-0000-6014	2

ML10 TYPICAL CROSS SECTION

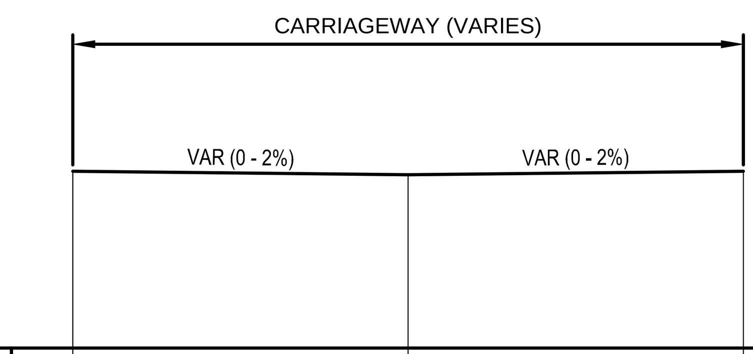
SCALE 1:100



DESIGN ELEVATION	VAR	0.185	0.185	0.035	0.000	0.035	0.185	0.185	0.212
OFFSETS	-6.100	-1.930	-1.780	-1.750	0.000	1.750	1.780	1.930	3.250

LOADING DOCKS (ML11, ML12, ML13, ML14 & ML15) TYPICAL CROSS SECTION

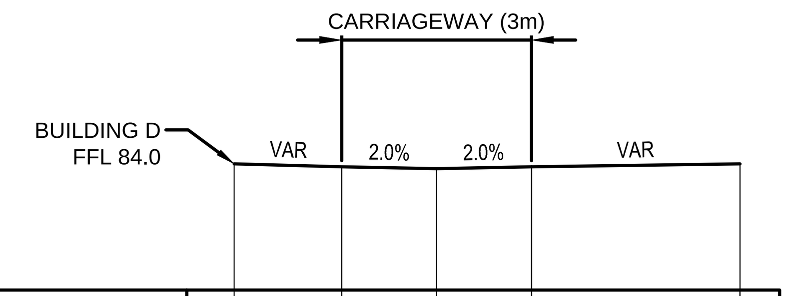
SCALE 1:100



DESIGN ELEVATION	VAR (0.000 - 0.200)	0.000	VAR (0.000 - 0.200)
OFFSETS	VAR	0.000	VAR

ML16 TYPICAL CROSS SECTION

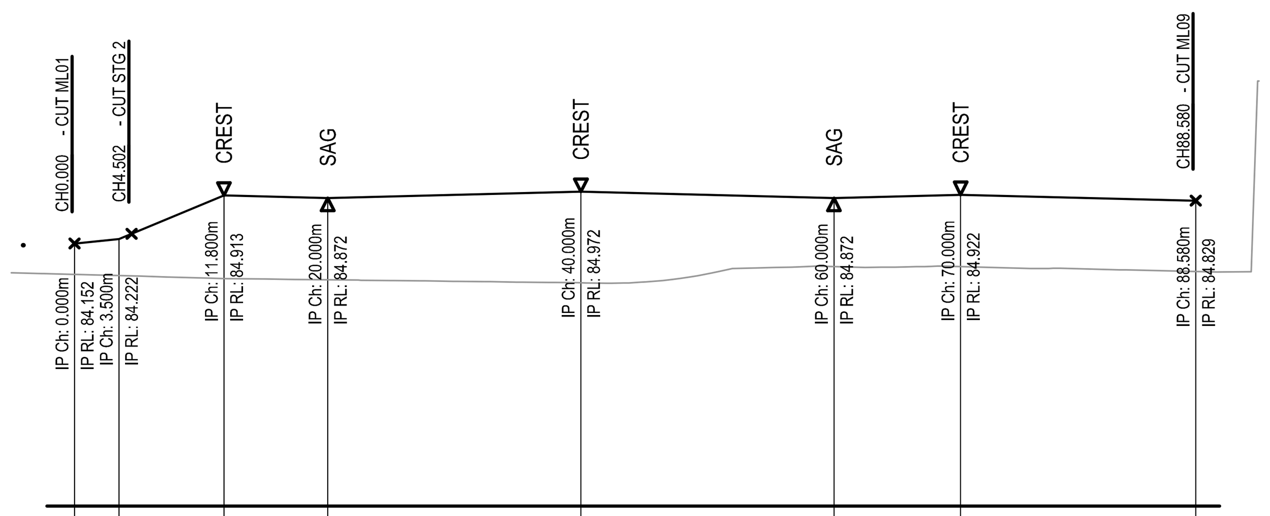
SCALE 1:100



DESIGN ELEVATION	VAR	0.030	0.000	0.030	VAR
OFFSETS	-3.200	-1.500	0.000	1.500	4.800

ML10 ALIGNMENT

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



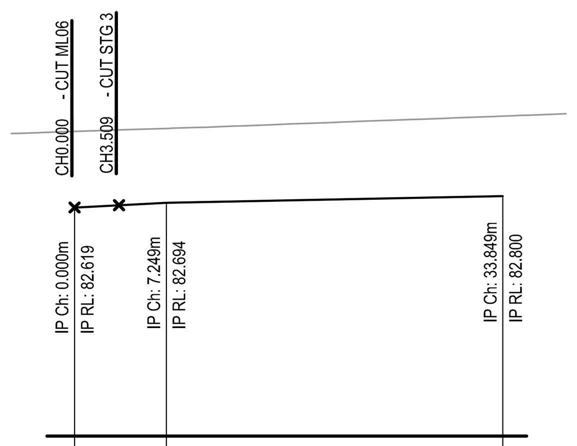
DATUM 80.000

VERTICAL GEOMETRY: G: 2.0% L: 3.500 | G: 8.3% L: 8.300 | G: -0.5% L: 8.200 | G: 0.5% L: 20.000 | G: -0.5% L: 20.000 | G: 0.5% L: 10.000 | G: -0.5% L: 18.580

DESIGN LEVELS	84.152	84.222	84.913	84.872	84.972	84.872	84.922	84.829
EXISTING LEVELS	83.663	83.644	83.599	83.578	83.530	83.786	83.787	83.708
LEVEL DIFFERENCE	0.489	0.578	1.314	1.294	1.442	1.086	1.135	1.121
CHAINAGE	0.000	3.500	11.800	20.000	40.000	60.000	70.000	88.580

ML15 ALIGNMENT

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



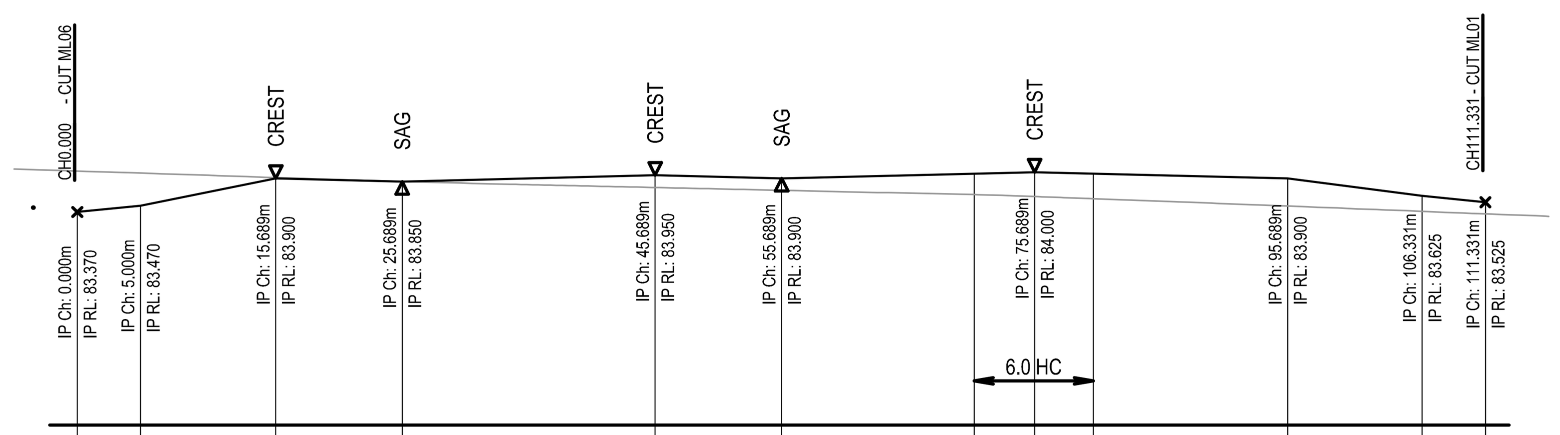
DATUM 79.000

VERTICAL GEOMETRY: G: 1.0% L: 7.249 | G: 0.4% L: 26.600

DESIGN LEVELS	82.619	82.694	82.800
EXISTING LEVELS	83.823	83.869	84.065
LEVEL DIFFERENCE	-1.204	-1.175	-1.266
CHAINAGE	0.000	7.249	33.849

ML16 ALIGNMENT

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



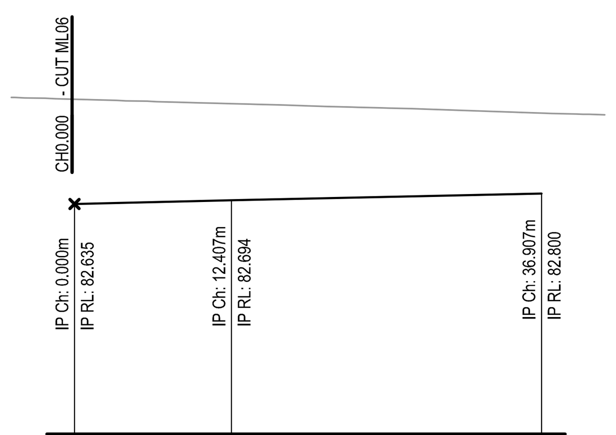
DATUM 80.000

VERTICAL GEOMETRY: G: 2.0% L: 5.000 | G: 4.0% L: 10.689 | G: -0.5% L: 10.000 | G: 0.5% L: 20.000 | G: -0.5% L: 10.000 | G: 0.5% L: 20.000 | G: -0.5% L: 20.000 | G: -2.6% L: 10.643 | G: -2.0% L: 5.000

DESIGN LEVELS	83.370	83.470	83.900	83.850	83.950	83.900	83.976	84.000	83.977	83.900	83.625	83.525
EXISTING LEVELS	84.017	83.985	83.913	83.851	83.757	83.712	83.645	83.614	83.579	83.463	83.379	83.341
LEVEL DIFFERENCE	-0.647	-0.514	-0.013	-0.001	0.193	0.188	0.332	0.386	0.397	0.437	0.245	0.184
CHAINAGE	0.000	5.000	15.689	25.689	45.689	55.689	70.907	75.689	80.331	95.689	106.331	111.331

ML11 ALIGNMENT

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



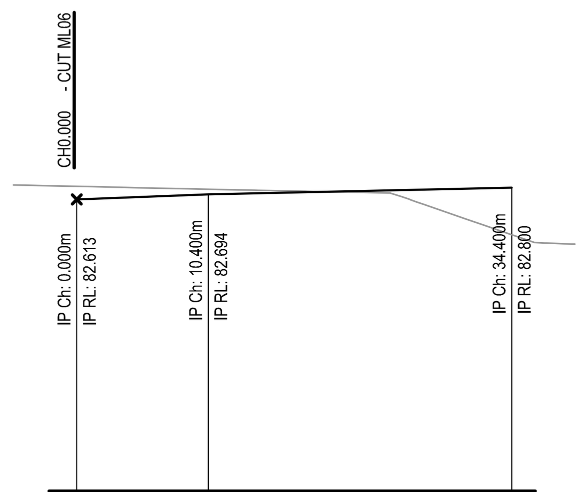
DATUM 79.000

VERTICAL GEOMETRY: G: 0.5% L: 12.407 | G: 0.4% L: 24.500

DESIGN LEVELS	82.635	82.694	82.800
EXISTING LEVELS	84.290	84.220	84.073
LEVEL DIFFERENCE	-1.655	-1.526	-1.273
CHAINAGE	0.000	12.407	36.907

ML12 ALIGNMENT

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



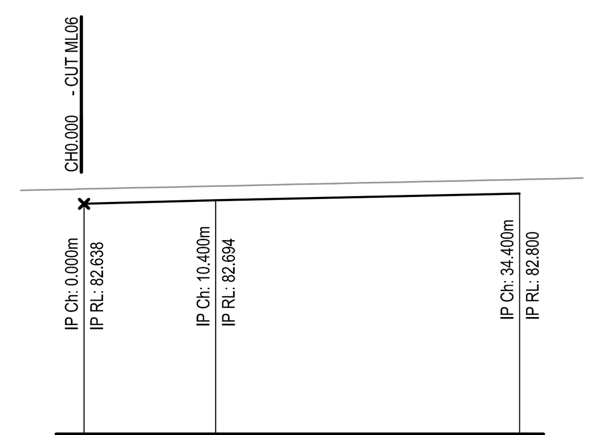
DATUM 78.000

VERTICAL GEOMETRY: G: 0.8% L: 10.400 | G: 0.4% L: 24.000

DESIGN LEVELS	82.613	82.694	82.800
EXISTING LEVELS		82.774	82.055
LEVEL DIFFERENCE		-0.080	0.745
CHAINAGE	0.000	10.400	34.400

ML13 ALIGNMENT

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



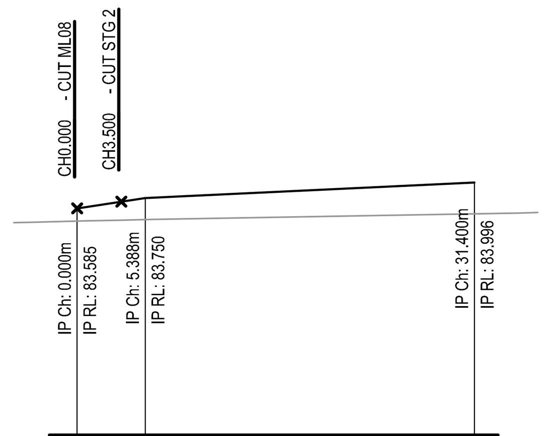
DATUM 79.000

VERTICAL GEOMETRY: G: 0.5% L: 10.400 | G: 0.4% L: 24.000

DESIGN LEVELS	82.638	82.694	82.800
EXISTING LEVELS	82.873	82.918	83.022
LEVEL DIFFERENCE	-0.235	-0.224	-0.222
CHAINAGE	0.000	10.400	34.400

ML14 ALIGNMENT

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



DATUM 80.000

VERTICAL GEOMETRY: G: 3.1% L: 5.387 | G: 0.9% L: 26.013

DESIGN LEVELS	83.585	83.750	83.996
EXISTING LEVELS	83.383	83.407	83.500
LEVEL DIFFERENCE	0.202	0.343	0.496
CHAINAGE	0.000	5.388	31.400

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	2	MINOR AMENDMENTS	SS	CG	GC
13/03/24	1	INITIAL RELEASE	JH	CG	GC

NOTE:
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[Contractor / Consultant / Document Author]

TTW Structural Civil Traffic Façade

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: Stage: NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT,
HORSLEY PARK, NSW 2175
AUSTRALIA

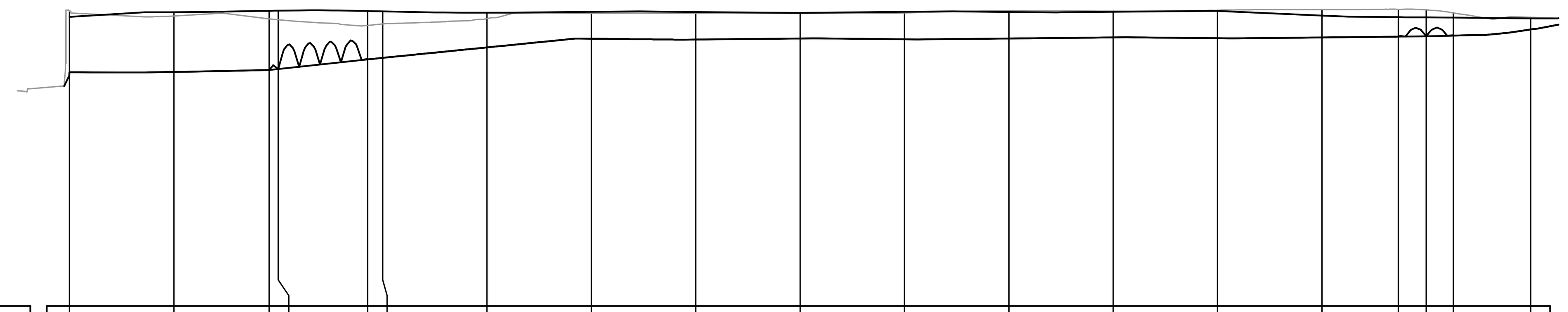
Project Name:
NEXT DC DATA CENTRE

Drawing title
ROADWORKS LONGITUDINAL AND TYPICAL CROSS SECTIONS - SHEET 6

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	JH/SS	Date	21/03/2024
CHK	CG	Date	21/03/2024
Scale:	AS SHOWN	Sheet: A1	File Name:

Drawing Number	Rev
S4-CI-NXT-DRG-0000-6015	2

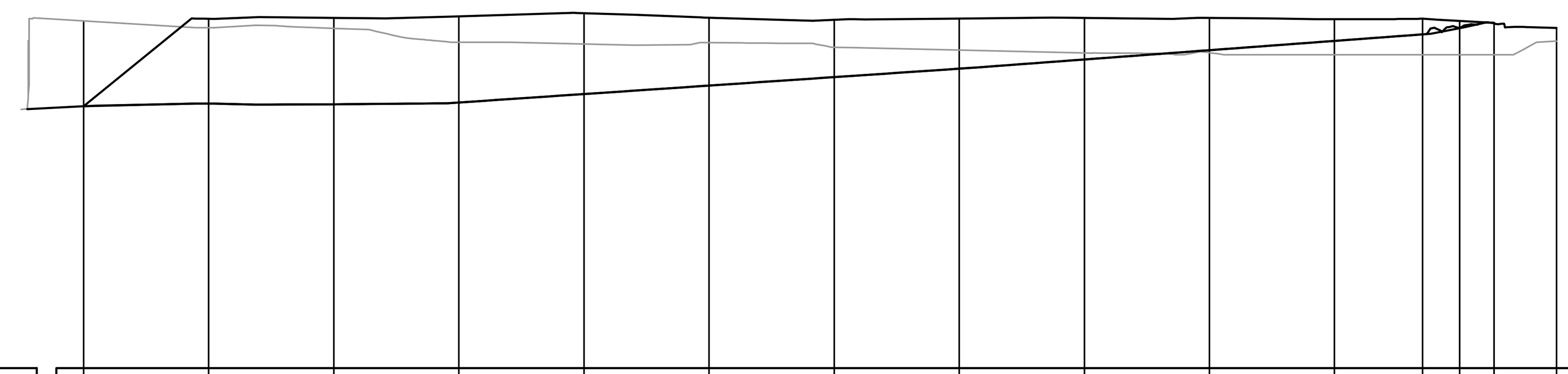


DATUM RL70

CHAINAGES	BOTTOM OF WALL LEVEL	TOP OF WALL LEVEL	WALL HEIGHT	EXISTING SURFACE LEVELS
0.000	81.173	83.822	-2.649	84.095
10.000	81.194	84.048	-2.854	83.868
19.135	81.281	84.112	-2.831	83.727
20.000	81.327	84.119	-2.791	83.682
28.559	81.791	84.104	-2.314	83.413
30.000	81.863	84.088	-2.225	83.482
40.000	82.363	84.022	-1.659	83.741
50.000	82.778	84.064	-1.286	84.000
60.000	82.739	84.060	-1.321	84.000
70.000	82.789	84.014	-1.225	84.000
80.000	82.753	84.064	-1.311	84.011
90.000	82.789	84.060	-1.271	84.117
100.000	82.839	84.064	-1.225	84.100
110.000	82.803	84.112	-1.309	84.139
120.000	82.839	83.887	-1.048	84.170
127.334	82.876	83.809	-0.933	84.187
130.000	82.898	83.797	-0.899	84.158
132.604	82.930	83.787	-0.857	84.010
140.000	83.224	83.756	-0.533	83.806

RETAINING WALL (RW01) LONG. SECTION

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250

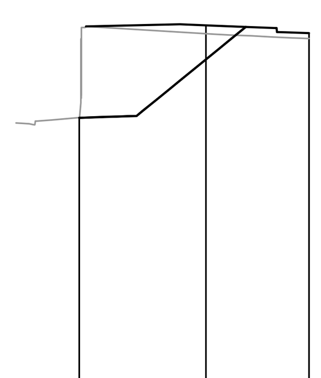


DATUM RL70

CHAINAGES	BOTTOM OF WALL LEVEL	TOP OF WALL LEVEL	WALL HEIGHT	EXISTING SURFACE LEVELS
0.000	80.450	80.450	0.000	83.847
10.000	80.550	83.934	-3.384	83.575
20.000	80.523	83.966	-3.443	83.552
30.000	80.593	84.031	-3.438	83.000
40.000	80.931	84.153	-3.222	82.931
50.000	81.269	83.979	-2.710	82.982
60.000	81.607	83.891	-2.285	82.793
70.000	81.944	83.940	-1.995	82.689
80.000	82.311	83.964	-1.654	82.575
90.000	82.682	83.969	-1.287	82.583
100.000	83.052	83.914	-0.862	82.500
107.045	83.314	83.934	-0.620	82.500
110.000	83.557	83.849	-0.292	82.500
112.744	83.770	83.770	0.000	82.500
117.744				83.043

RETAINING WALL (RW03) LONG. SECTION

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250

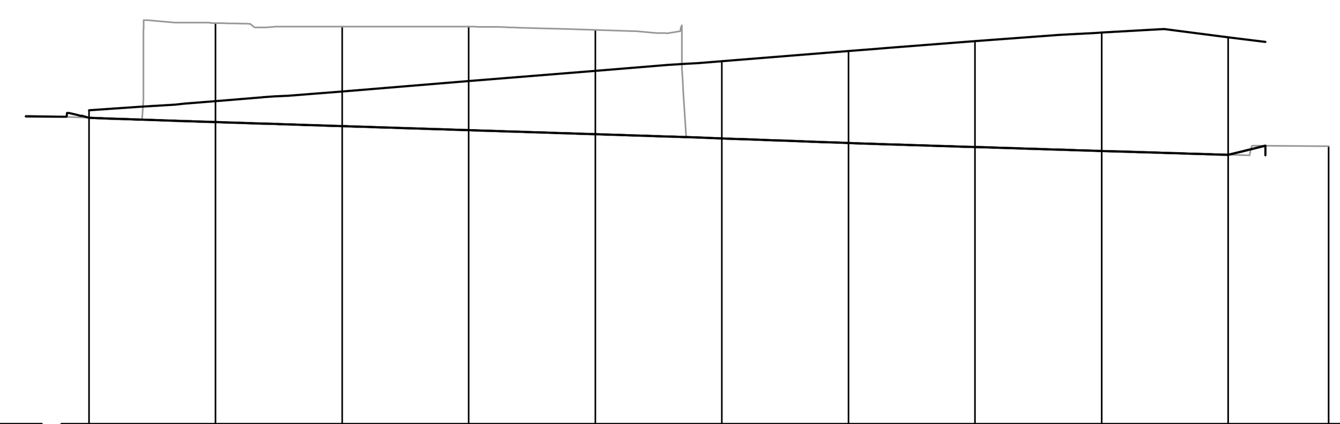


DATUM RL70

CHAINAGES	BOTTOM OF WALL LEVEL	TOP OF WALL LEVEL	WALL HEIGHT	EXISTING SURFACE LEVELS
0.000	80.375			80.375
10.000	82.675	84.026	-1.351	83.694
18.160				83.499

RETAINING WALL (RW05) LONG. SECTION

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250



DATUM RL68

CHAINAGES	BOTTOM OF WALL LEVEL	TOP OF WALL LEVEL	WALL HEIGHT	EXISTING SURFACE LEVELS
0.000	80.082	80.382	-0.300	80.082
10.000	79.913	80.737	-0.824	83.820
20.000	79.754	81.122	-1.368	83.682
30.000	79.595	81.529	-1.934	83.677
40.000	79.436	81.936	-2.500	83.549
50.000	79.270	82.312	-3.042	79.270
60.000	79.089	82.719	-3.630	79.089
70.000	78.929	83.106	-4.177	78.929
80.000	78.776	83.444	-4.668	78.776
90.000	78.622	83.262	-4.640	78.622
97.942				78.959

RETAINING WALL (RW07) LONG. SECTION

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	1	INITIAL RELEASE	JH	CG	GC

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[Contractor / Consultant / Document Author]

TTW Structural Civil Traffic Façade
612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: Stage: NEXTDC Project Number:

Project Address:
16 JOHNSTON CRESCENT, HORSLEY PARK, NSW 2175 AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

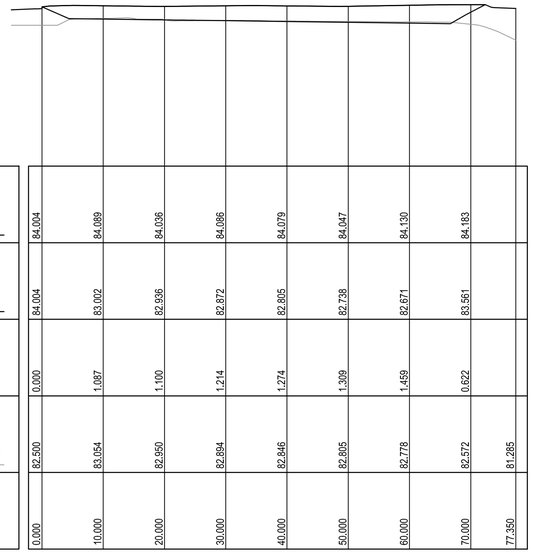
Drawing title
RETAINING WALL LONG SECTIONS SHEET 1

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale: AS SHOWN | Sheet: A1 | File Name:

Drawing Number: S4-CI-NXT-DRG-0000-6100 | Rev: 1

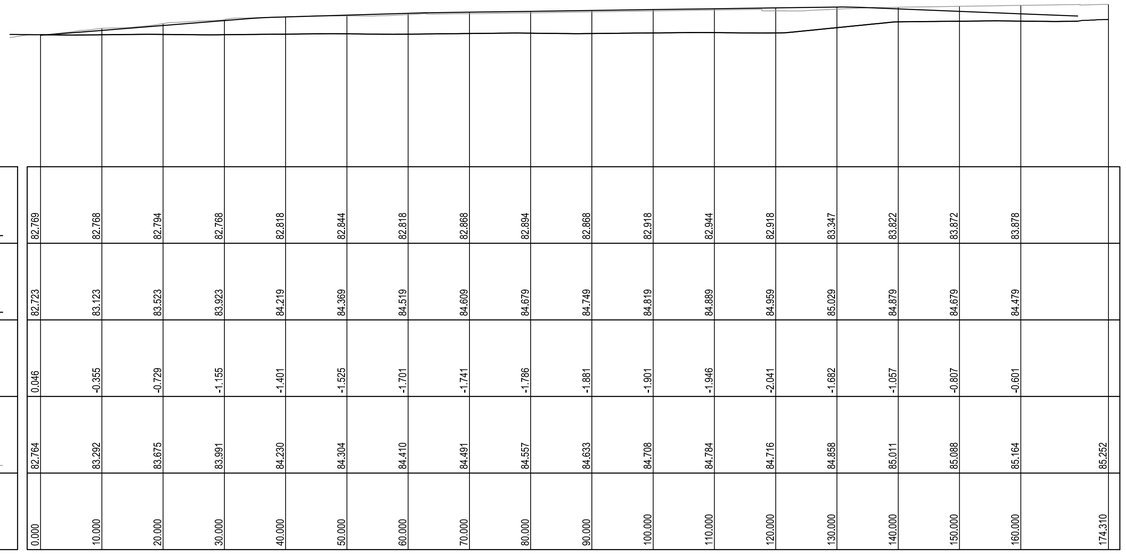


DATUM RL71

BOTTOM OF WALL LEVEL	84.004	84.089	84.038	84.086	84.079	84.047	84.130	84.183	
TOP OF WALL LEVEL	84.004	83.002	82.936	82.872	82.805	82.738	82.671	83.561	
WALL HEIGHT	0.000	1.087	1.100	1.214	1.274	1.309	1.459	0.622	
EXISTING SURFACE LEVELS	82.500	83.054	82.950	82.894	82.846	82.805	82.778	82.572	81.285
CHAINAGES	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	77.350

RETAINING WALL (RW09) LONG. SECTION

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250



DATUM RL72

BOTTOM OF WALL LEVEL	82.769	82.768	82.794	82.768	82.818	82.844	82.818	82.868	82.894	82.868	82.918	82.944	82.918	83.347	83.822	83.872	83.878		
TOP OF WALL LEVEL	82.723	83.123	83.523	83.923	84.219	84.369	84.519	84.609	84.679	84.749	84.819	84.889	84.959	85.029	84.879	84.679	84.479		
WALL HEIGHT	0.046	-0.355	-0.729	-1.155	-1.401	-1.525	-1.701	-1.741	-1.786	-1.881	-1.901	-1.946	-2.041	-1.682	-1.057	-0.807	-0.601		
EXISTING SURFACE LEVELS	82.764	83.292	83.675	83.991	84.230	84.304	84.410	84.491	84.557	84.633	84.708	84.784	84.716	84.858	85.011	85.088	85.164	85.252	
CHAINAGES	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	174.310	

RETAINING WALL (RW11) LONG. SECTION

SCALE: HORIZONTAL - 1:500
VERTICAL - 1:250

DATE	No.	REVISION HISTORY	DRW	CHK	QA
21.03.24	1	INITIAL RELEASE	JH	CG	GC

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Services: AURECON

Structural: TTW

PRINCIPAL CONTRACTOR

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TTW Structural Civil Traffic Façade

612 6285 1766 | Level 5, 224 Bunda St, Canberra City, ACT 2601

Document Author Project Number

Key Plan

Site: | Stage: | NEXTDC Project Number:

Project Address:
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HORSLEY PARK, NSW 2175
AUSTRALIA

Project Name:
NEXT DC DATA CENTRE

Drawing title
RETAINING WALL LONG SECTIONS SHEET 2

Drawing Status:
STATE SIGNIFICANT DEVELOPMENT APPLICATION (SSDA)

Drawn	Date
JH/SS	21/03/2024
CHK	Date
CG	21/03/2024

Scale: AS SHOWN | Sheet: A1 | File Name:

Drawing Number: S4-CI-NXT-DRG-0000-6101 | Rev: 1