

## APPENDIX 5 – CIVIL AND HYDRAULIC DRAWINGS

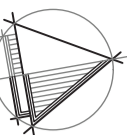
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PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2024/1570  
Date: 20 December 2024



The logo of the Queensland Government, featuring the state coat of arms with a shield, a crown, and two kangaroos, with the motto 'AUDAX AT FIDELIS' below it. The text 'Queensland Government' is printed below the coat of arms.



LEGEND

	EXISTING RCP STORMWATER DRAINAGE PIPE		PROPOSED CONTOURS		PROPOSED STORMWATER PIPE INFORMATION
	EXISTING STORMWATER MANHOLE		PROPOSED SUBSOIL DRAINAGE		PROPOSED STORMWATER PIPE INFORMATION
	EXISTING INLET GULLY PIT		PROPOSED STORMWATER DETENTION TANK		REFER NOTE 1 FOR DETAILS
	PROPOSED RCP STORMWATER DRAINAGE PIPE		PROPOSED 80 000L RAINWATER STORAGE TANK IN-GROUND REFER TO HYDRAULICS DRAWINGS		
	PROPOSED 900 x 900 SURFACE INLET PIT		PROPOSED TRENCH GRATE		
	PROPOSED GULLY PIT		PROPOSED STORMWATER PIT INFORMATION		
	PROPOSED STORMWATER QUALITY DEVICE				

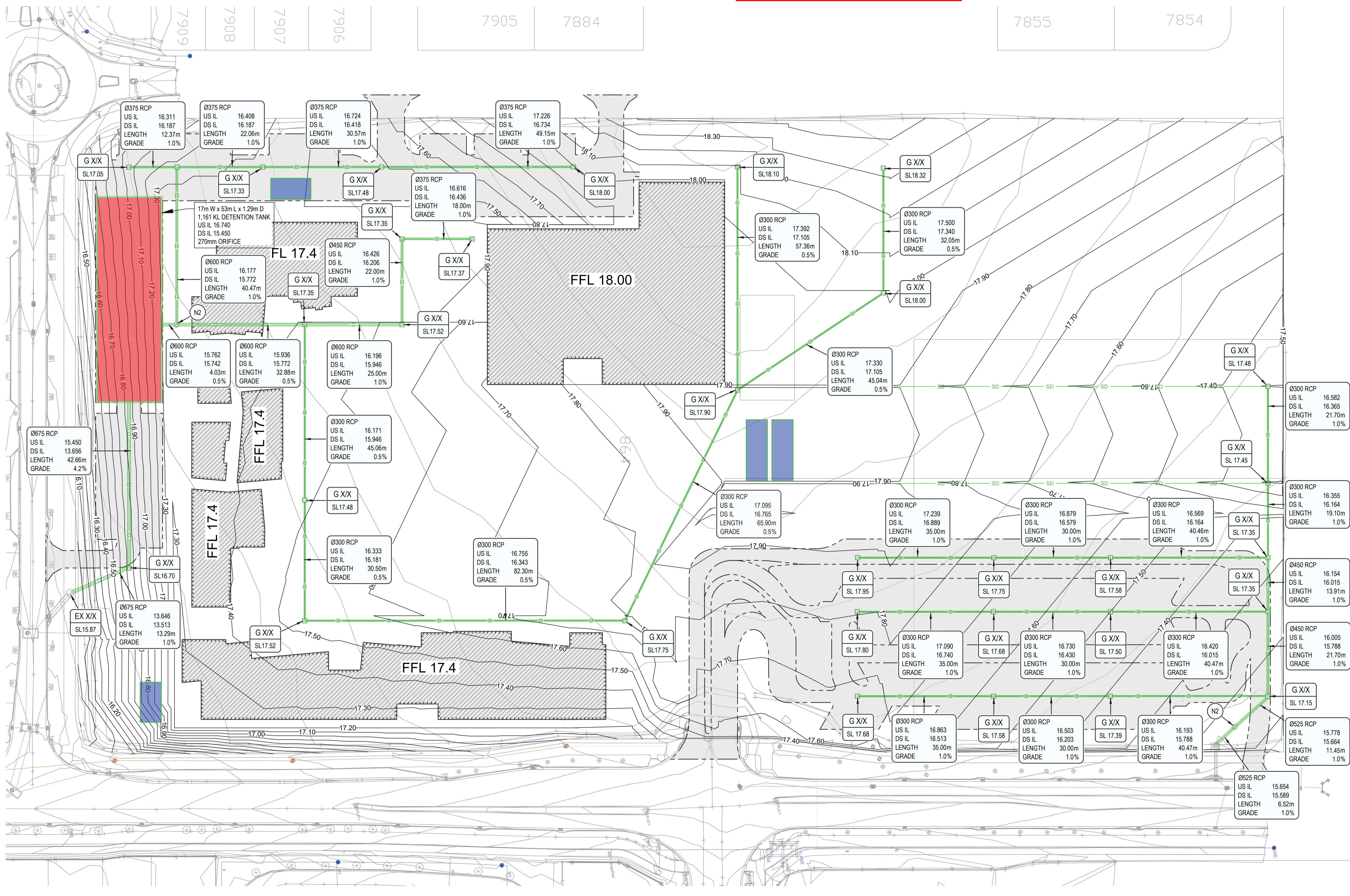
NOTES

- ALL PROPOSED PITS TO BE FITTED WITH ATLAN STORMSACK (OR APPROVED SIMILAR PRODUCT).
- ATLAN ECOCEPTOR (OR APPROVED SIMILAR PRODUCT) TO BE INSTALLED AT THIS LOCATION.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2024/1570

Date: 20 December 2024



Digitally signed by Condon, John (AUJC500654) Reason: RPEQ 09384 Date: 2024.11.08 14:44:37+10'00'

Scale: 1:500 @A1

REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/11/2024	EH	FOR INFORMATION	HN	JC
A	25/07/2024	RO	FOR INFORMATION		

DRAWING STATUS: INFORMATION

CLIENT: QUEENSLAND GOVERNMENT

ARCHITECT: HAYBALL

PROJECT: CALOUNDRA SOUTH WEST SCHOOL DEVELOPMENT

TITLE: GENERAL ARRANGEMENT LAYOUT SKETCH

SCALE @ A1: 1:500	CHECKED: JC	APPROVED: JC
PROJECT NUMBER: PS211411	DRAWN: RO	DATE: 6/26/2024
DRAWING No: SK002	REV: B	

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# NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT

AT  
CALOUNDRA, QLD. 4551

PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

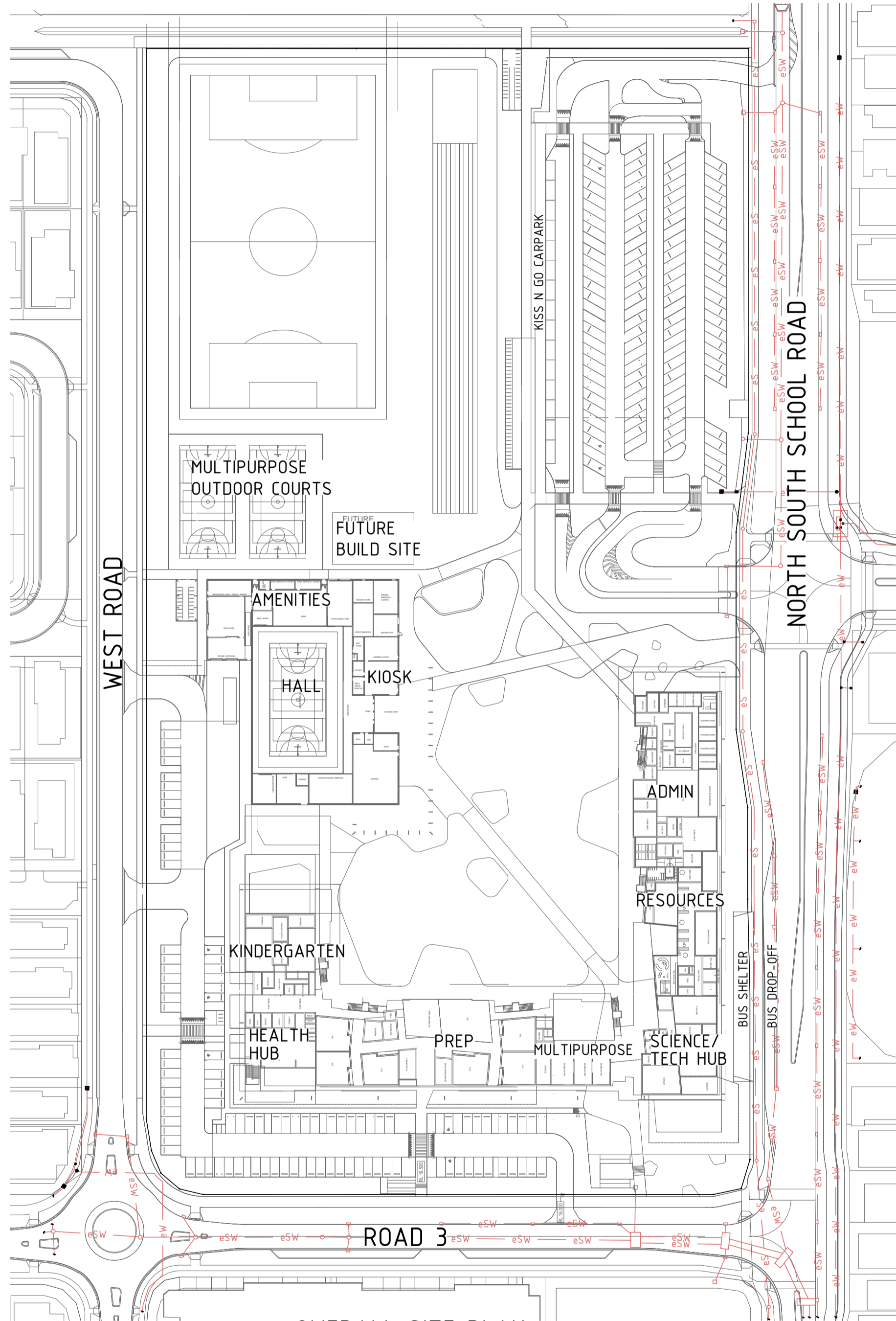
Approval no: DEV2024/1570  
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Total Fixtures = -  
Total FU = -

DRAINAGE PLAN No. -

P/A No.: .....  
RPD: .....  
ADDRESS: .....  
OWNERS NAME: .....  
TITLE STATUS: .....  
BUILDING CLASS: .....  
DATUM: ..... AHD  
DESIGNER: ..... B. NIKOLAJEVS  
QBCC Lic No.: ..... 15058052



OVERALL SITE PLAN  
SCALE 1:1000

### NOTES:

#### GENERAL NOTES:

- THIS PLAN SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND ANY OTHER SERVICES CONSULTANT'S DRAWINGS AND SPECIFICATIONS.
- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZS:3500, PLUMBING & DRAINAGE ACT, RELEVANT AUTHORITY'S & CODES, AND ARCHITECT/SUPERINTENDENT APPROVALS.
- THE HYDRAULIC CONTRACTOR SHALL ALLOW FOR ALL EXCAVATION, BACKFILL, PIPES AND MATERIALS NECESSARY INCLUDING COUPLINGS AND ADAPTORS TO COMPLETE ALL WORKS IN ACCORDANCE WITH THESE DRAWINGS, THE HYDRAULIC SERVICES SPECIFICATION (IF PROVIDED), AS/NZS:3500 AND ANY LOCAL AUTHORITY OR STRUCTURAL ENGINEERS REQUIREMENTS.
- THE HYDRAULIC CONTRACTOR SHALL SUBMIT ALL PERMITS AND PAY ALL SERVICE CONNECTION AND INSPECTION FEES/CHARGES ASSOCIATED WITH THE HYDRAULIC SERVICES INSTALLATION.
- ANY EXISTING OR AUTHORITY SERVICES WORKS SHOWN ON THESE DRAWINGS REFLECT THE LOCATIONS SUPPLIED TO US FROM VARIOUS EXTERNAL SOURCES. BRW HYDRAULICS CAN NOT GUARANTEE THE ACCURACY OF EXISTING SERVICES WORKS RECORDED ON THESE DRAWINGS.
- CONTRACTOR TO CONFIRM LOCATION OF ALL RELEVANT EXISTING SERVICES BEFORE COMMENCING ANY WORKS.
- ALL PIPEWORK SHALL BE ACOUSTICALLY RATED/LAGGED AS REQUIRED IN ACCORDANCE WITH THE NATIONAL CONSTRUCTION CODE.
- NO WORK SHALL BE COVERED OR DEEMED COMPLETED WITHOUT THE APPROVAL OF THE RELEVANT AUTHORITIES AND/OR INDEPENDENT CERTIFIER SUPERVISING THE INSTALLATION RECORDS OF SUCH APPROVALS ARE TO BE MAINTAINED ON SITE AT ALL TIMES. DELAYS AND COSTS ASSOCIATED WITH INCORRECTLY INSTALLED AND/OR NON-COMPLIANT OR DEFECTIVE WORKS REQUIRING RE-INSPECTION WILL BE AT THE HYDRAULIC CONTRACTORS COST.
- ALL PENETRATIONS IN FIRE RATED SUSPENDED SLABS, MASONRY WALLS OR OTHER FIRE RATED STRUCTURES ARE TO BE FITTED WITH AN APPROVED FIRE COLLAR AND/OR SEALED WITH A COMPLIANT FIRE RETARDANT MATERIAL.
- SERVICE TRENCHES THROUGH EXISTING OR COMPLETED CONCRETE OR ASPHALT REQUIRE TO BE SAWCUT TO ITS FULL DEPTH PRIOR TO REMOVAL.
- UPON COMPLETION OF WORKS ON SITE THE HYDRAULIC CONTRACTOR SHALL PRODUCE A FULL SET OF 'WORK AS CONSTRUCTED' DRAWINGS IN THE SAME FORMAT AND EQUAL QUALITY OF THESE DESIGN DRAWINGS. ALLOW TO PAY ALL COSTS ASSOCIATED WITH RE-DOCUMENTATION.
- THE PLUMBER TO ALLOW TO CONDENSATE LAG ALL PIPEWORK RECEIVING DISCHARGE FROM AIR CONDITIONING/REFRIGERATION UNITS IN ACCORDANCE WITH AS 3500.

#### WATER SERVICES NOTES:

- ALL WATER SERVICES ARE DESIGNED TO BE TYPE 'B' COPPER UNLESS NOTED OTHERWISE.
- HOT WATER OUTLET TEMPERATURES ARE TO BE IN ACCORDANCE WITH AS/NZS:3500 AND RELEVANT AUTHORITY REQUIREMENTS, HOT WATER DELIVERY TEMPERATURES ARE TO BE CONTROLLED BY COMPLIANT THERMOSTATIC MIXING VALVES AND/OR TEMPERING VALVES.
- PIPEWORK ENCASED IN CONCRETE OR MASONRY WALLS IS TO BE SHEATHED TO ALLOW FOR THERMAL EXPANSION AND CONTRACTION. SHEATHING MUST ALSO BE PROVIDED WHERE NECESSARY TO PROTECT AGAINST CORROSION CAUSED BY SURROUNDING MATERIALS.
- ALL HOSE TAPS THAT CAN BE ACCESSED BY THE PUBLIC TO BE ANTI-VANDAL AND PROVIDED WITH VACUUM BREAKER VALVES.
- ALL INCOMING WATER SUPPLY LINES CONNECTING TO AUTHORITY WATER SERVICE CONNECTIONS MUST HAVE A 500kPa PRESSURE LIMITING VALVE INSTALLED.

#### FIRE SERVICES NOTES:

- NEW HYDRANT SERVICE PIPEWORK ABOVE GROUND SHALL BE MEDIUM DUTY GALVANISED STEEL. THE JOINTING IS GENERALLY TO BE ROLL GROOVED AND SHALL HAVE FLANGED CONNECTIONS AT PLANT, BOOSTER ASSEMBLY OR OTHER LOCATIONS SHOWN ON DRAWINGS.
- ALL VALVES AND TESTABLE BACKFLOW DEVICES ARE TO BE APPROVED BY RELEVANT AUTHORITIES AND HAVE APPROPRIATE APPROVAL MARKINGS. 100mm & 150mm VALVES TO BE MANUFACTURED WITH CORROSION RESISTANT COATINGS. VALVES UP TO 50mm SHALL BE STAINLESS STEEL WITH FEMALE IRON THREAD. WHERE BALL VALVES ARE REQUIRED THE HANDLE SHALL BE LOCKABLE.
- UPON COMPLETION OF INSTALLATION, A 'BLOCK PLAN' IS TO BE INSTALLED AT THE HYDRANT BOOSTER, PUMP ROOM AND ANYWHERE ELSE NECESSARY TO MEET RELATIVE AUTHORITY REQUIREMENTS.
- PUMP CONTROL PANELS ARE TO BE SET AS PER RELEVANT CERTIFIER OR AUTHORITY REQUIREMENTS, OR WITH THE TOP OF THE PANEL AT APPROXIMATE HEIGHT OF 1900MM ABOVE FINISHED FLOOR LEVEL.
- FIRE HOSE REELS SHALL CONSIST OF 19mm NON-KINKING PVC HOSE WITH 36 METERS IN LENGTH. THE HOSE REEL SHALL COMPLY WITH AS1221 AND BE OF EQUAL QUALITY MANUFACTURE TO 'GALVIN ENGINEERING' OR THE NEXT COMPLIANT EQUIVALENT.
- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZS:2419, PLUMBING & DRAINAGE ACT, RELEVANT AUTHORITY'S & CODES, AND ARCHITECT/SUPERINTENDENT APPROVALS.

#### SANITARY DRAINAGE NOTES:

- INSPECTION OPENINGS ON DRAINAGE SYSTEMS ARE TO BE INSTALLED AT THE FOLLOWING LOCATIONS:  
-- WHERE ANY NEW SECTION OF DRAIN IS CONNECTING TO AN EXISTING DRAIN.  
-- IMMEDIATELY AT OR UPSTREAM OF A JUMP UP.  
-- AT INTERVALS OF 30m ON LONG PIPE RUNS.  
-- AT ANY CONNECTION TO AN AUTHORITY SEWER.  
-- DOWNSTREAM OF WHERE PIPES PASS UNDER A BUILDING.  
-- ANYWHERE NOT STATED HERE THAT IS A REQUIREMENT OF AS/NZS 3500.
- ALL 100mm SANITARY PIPEWORK IS TO BE GRADED AT 1:60 OR 1.65% FALL, UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL SANITARY PIPEWORK LESS THAN 100mm IN SIZE IS TO BE GRADED AT 1:40 OR 2.5% UNLESS OTHERWISE NOTED.
- ALL TRADE WASTE DRAINAGE SHALL BE 110mm DIA. HDPE IS TO BE GRADED AT 1:60 OR 1.65% FALL, UNLESS NOTED OTHERWISE.
- ALL SANITARY PIPEWORK SHALL BE CLASS SN6 DWV uPVC OR EQUIVALENT COMPLIANT MATERIAL, UNLESS OTHERWISE NOTED.
- WHERE A NEW PIPE IS TO CONNECT TO EXISTING OR COMPLETED PIPEWORK, THE CONNECTION SHALL BE MADE WITH A COMPLIANT FITTING, ENSURING THAT A SMOOTH CONTINUOUS PROFILE IS MAINTAINED WITHOUT ANY OBSTRUCTION.
- CONTRACTOR TO CONFIRM LOCATION OF ALL RELEVANT EXISTING SERVICES BEFORE COMMENCING ANY WORKS.

#### STORMWATER DRAINAGE NOTES:

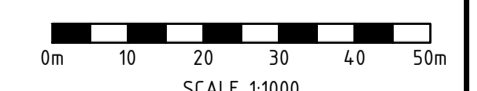
- THE HYDRAULIC CONTRACTOR SHALL ALLOW TO SUPPLY AND INSTALL ALL NECESSARY COUPLINGS AND ADAPTORS TO PROVIDE COMPLIANT CONNECTIONS BETWEEN DISSIMILAR MATERIALS AND PIPES.
- ALL STORMWATER PIPEWORK IS TO BE GRADED AT 1:100 OR 1.00% FALL, UNLESS OTHERWISE NOTED ON DRAWINGS.
- CHANGES IN SIZE TO PIPEWORK 150mm OR SMALLER HORIZONTAL RUNS SHALL BE MADE USING TAPERED FITTINGS.
- EXCAVATION AND BEDDING REQUIREMENTS ARE EQUAL TO THOSE REQUIRED FOR SANITARY DRAINAGE TO COMPLY WITH AS/NZS:3500.

### LEGEND:

EXISTING SANITARY	eSD	eSD	eSD
EXISTING STORMWATER	eSW	eSW	eSW
EXISTING VENT PIPEWORK	eV	eV	eV
EXISTING COUNCIL SEWER	eS	eS	eS
CIVIL SEWER DRAINAGE	cS	cS	cS
CIVIL STORMWATER DRAINAGE	cSW	cSW	cSW
SANITARY	SW	SW	SW
TRADE WASTE	TW	TW	TW
STORMWATER	SW	SW	SW
SUBSOIL	SS	SS	SS
VENT	V	V	V
CHAMBER VENT	CV	CV	CV
TRADE WASTE VENT	TWV	TWV	TWV
ELECTRICAL CONDUIT	E	E	E
LAGGED	L	L	L
CAST IN	CI	CI	CI
EXISTING WATER MAIN	EW	EW	EW
EXISTING GAS	EG	EG	EG
COLD WATER SERVICE	CWS	CWS	CWS
RAINWATER RE-USE	RW	RW	RW
NON-POTABLE COLD WATER	NP	NP	NP
HOT WATER	HW	HW	HW
GAS	G	G	G
CIVIL COLD WATER	WCW	WCW	WCW
FIRE SERVICE	F	F	F
SPRINKLER	SPR	SPR	SPR

### ABBREVIATIONS:

CHV	CHECK VALVE
COS	CLEAR OUT TO SURFACE
Cu	COPPER
CV	CONTROL VALVE
CWD	COLD WATER DROPPER
CWR	COLD WATER RISER
(DCHV)	DOUBLE CHECK VALVE
DCHV	DUAL CHECK VALVE
DD	DRAINAGE DROPPER
DIA	DIAMETER
DIL	DOWNSTREAM INVERT LEVEL
DP	DOWN PIPE
DT	DISCONNECTOR TRAP
(EXIST)	EXISTING
F.F.L.	FINISHED FLOOR LEVEL
FHR	FIRE HOSE REEL
FSD	FIRE SERVICE DROPPER
FSR	FIRE SERVICE RISER
GA	GREASE ARRESTOR
GTV	GREASE TRAP VENT
GVP	GREASE VENT PIPE
GW	GALVANISED WROUGHT IRON
H/D	HEAVY DUTY
HC	HOSE COCK
HDPE	HIGH DENSITY POLYETHYLENE
HV	HYDRANT VALVE
IL	INVERT LEVEL
IO	INSPECTION OPENING
L/D	LIGHT DUTY
L/S	LITRES PER SECOND
ORG	OVERFLOW RELIEF GULLY
PVC	POLYVINYL CHLORIDE
RL	REDUCED LEVEL
RPZD	REDUCED PRESSURE ZONE DEVICE
RWD	RAINWATER DROPPER
RWR	RAINWATER RISER
S/S	STAINLESS STEEL
SIC	SEWER INSPECTION CHAMBER
SL	SURFACE LEVEL
SMH	SEWER MANHOLE
SWIP	STORMWATER INSPECTION PIT
SWMH	STORMWATER MANHOLE
T/A	TO ATMOSPHERE
UPVC	UNPLASTICISED POLYVINYL CHLORIDE
VP	VENT PIPE
*	CAP AND SEAL



DRAWINGS TO BE  
PRINTED IN COLOUR.

	DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24			
	DD3	REVISED PRELIMINARY ISSUE	HB	17.07.24			
	DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23			
	DD1	PRELIMINARY ISSUE	HB	20.10.22			
	issue	amendment	int'l	date	issue	amendment	date

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project

NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT AT CALOUNDRA QLD 4551

drawing title

HYDRAULIC SERVICES OVERALL SITE PLAN LEGEND, NOTES AND DETAILS

drawn	checked	date
HB	B. NIKOLAJEVS	OCT. 2022
scale	approved	
As Shown @ A1		
job no.	drawing no.	revision
17746	H1	DD4

**DRAINAGE PLAN No. -**

P/A No.: .....

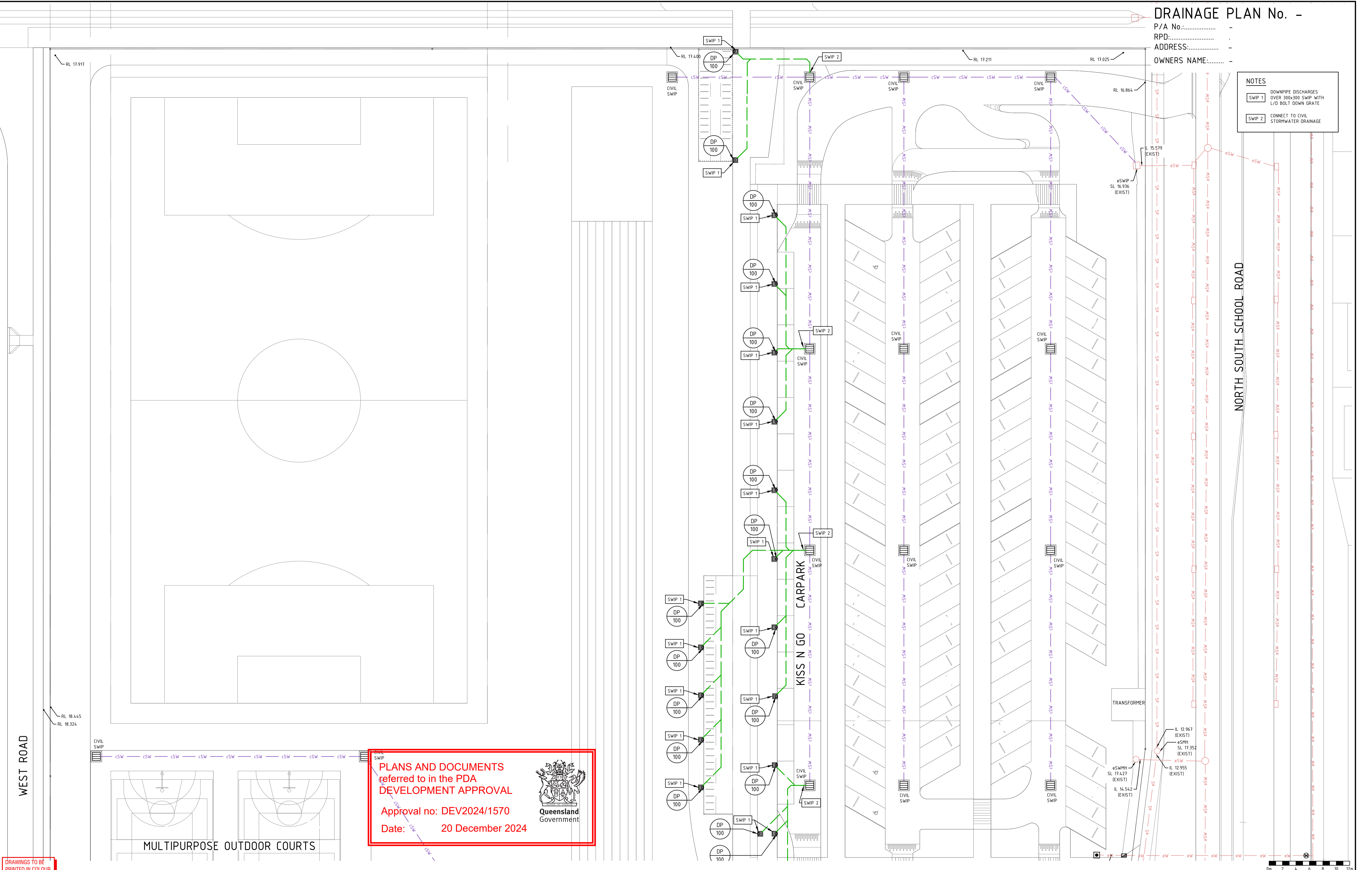
RPD: .....

ADDRESS: .....

OWNERS NAME: .....

**NOTES**

- SWIP 1 DOWNPIPE DISCHARGES OVER 300x300 SWIP WITH L/D BOLT DOWN GRATE
- SWIP 2 CONNECT TO CIVIL STORMWATER DRAINAGE



**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**  
 Approval no: DEV2024/1570  
 Date: 20 December 2024



DRAWINGS TO BE PRINTED IN COLOUR.

issue	amendment	int'l	date	issue	amendment	date
DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24			
DD3	REVISED PRELIMINARY ISSUE	HB	17.07.24			
DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23			
DD1	PRELIMINARY ISSUE	HB	20.10.22			

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Byday : 9am-5pm Mon-Fri 9am-5pm Sat 10am-5pm Sun 12pm-5pm  
Website : www.hayball.com.au  
ABN: 8400030481 NSW Homestead Architects Pty. Austn 7021,  
Riverside Lakeside 7022, David Turner 8029

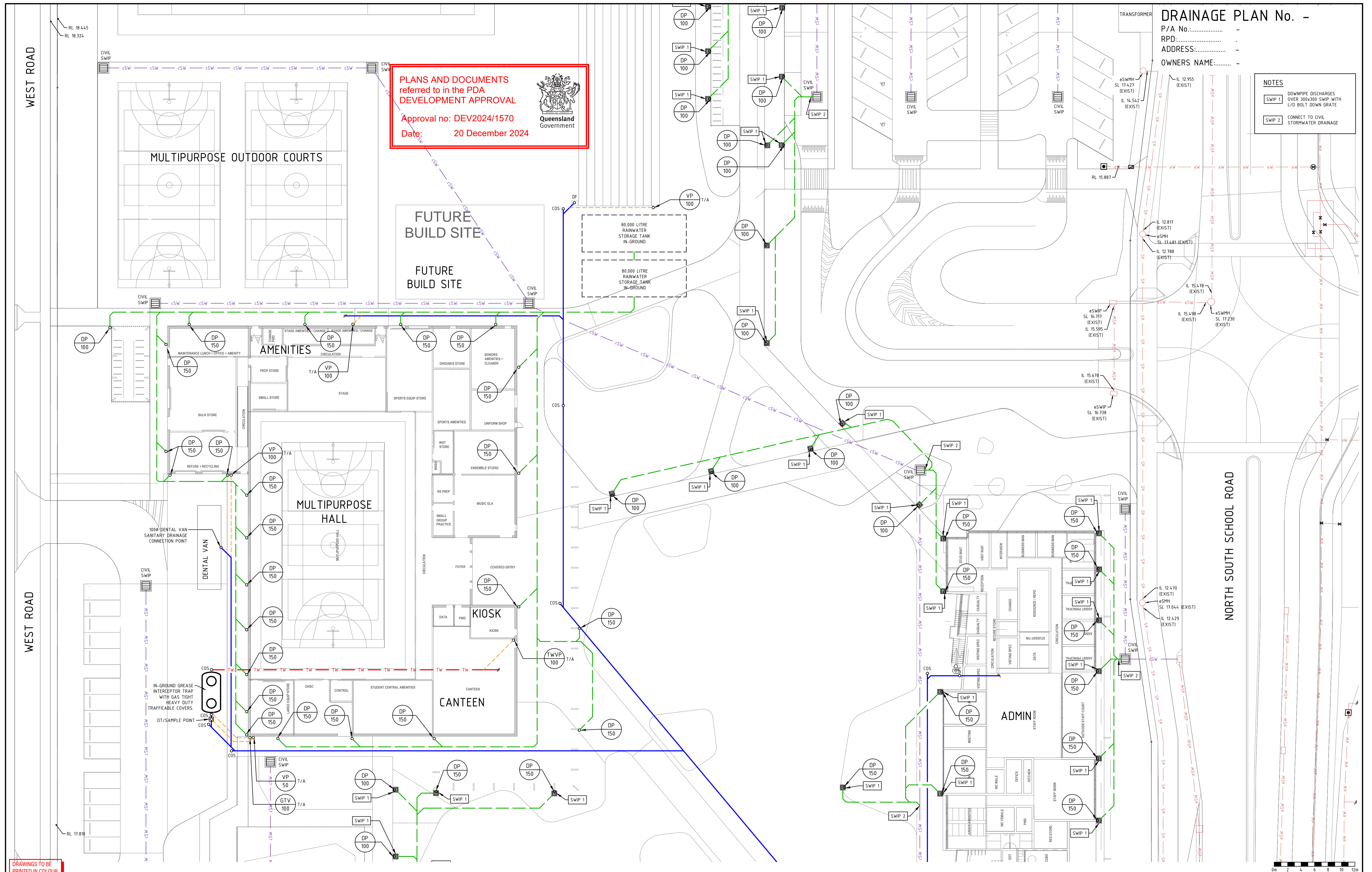
project

**NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT**  
AT  
CALOUNDRA QLD 4551

drawing title

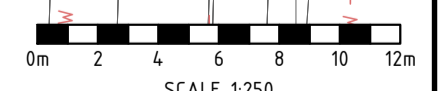
**HYDRAULIC SERVICES DRAINAGE SITE PLAN PART 1 OF 3 GROUND FLOOR**

drawn	checked	date
HB	B. NIKOLAJEVS	OCT. 2022
scale	approved	
1:250 @ A1		
job no.	drawing no.	revision
17746	H2	DD4



**DRAINAGE PLAN No. -**  
 P/A No.: .....  
 RPD: .....  
 ADDRESS: .....  
 OWNERS NAME: .....

- NOTES**
- SWIP 1 DOWNPIPE DISCHARGES OVER 300x300 SWIP WITH L/O BOLT DOWN GRATE
  - SWIP 2 CONNECT TO CIVIL STORMWATER DRAINAGE



**DRAWINGS TO BE PRINTED IN COLOUR.**

issue	amendment	inH	date	issue	amendment	date
DD5	REVISED PRELIMINARY ISSUE	HB	08.11.24			
DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24			
DD3	REVISED PRELIMINARY ISSUE	HB	17.07.24			
DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23			
DD1	PRELIMINARY ISSUE	HB	20.10.22			

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 Townsville: Level 1, 250 Flinders Lane, Melbourne VIC 3000 T: +61 3 9000 9644  
 Mackay: Level 1, 250 Flinders Lane, Melbourne VIC 3000 T: +61 3 9000 9644  
 Gold Coast: Level 1, 250 Flinders Lane, Melbourne VIC 3000 T: +61 3 9000 9644  
 Sunshine Coast: Level 1, 250 Flinders Lane, Melbourne VIC 3000 T: +61 3 9000 9644  
 Bundaberg: Level 1, 250 Flinders Lane, Melbourne VIC 3000 T: +61 3 9000 9644  
 Rockhampton: Level 1, 250 Flinders Lane, Melbourne VIC 3000 T: +61 3 9000 9644  
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project  
**NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT**  
 AT  
**CALOUNDRA QLD 4551**

drawing title  
**HYDRAULIC SERVICES DRAINAGE SITE PLAN PART 2 OF 3 GROUND FLOOR**

drawn HB	checked B. NIKOLAJEVS QBCC LIC. N° 15058052	date OCT. 2022
scale 1:250 @ A1	approved	
job no. 17746	drawing no. H3	revision DD5

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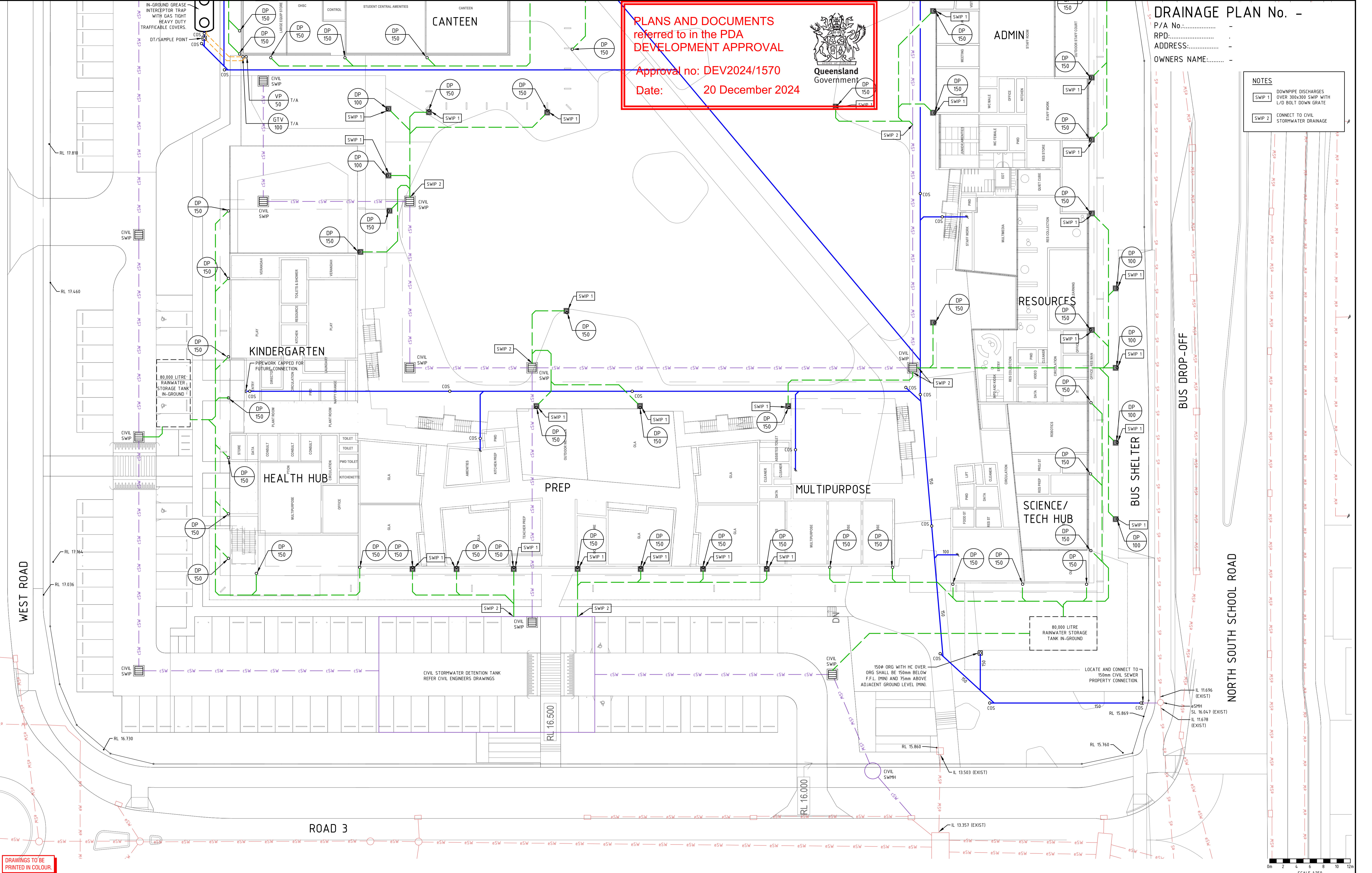


**DRAINAGE PLAN No. -**  
P/A No.: .....  
RPD: .....  
ADDRESS: .....  
OWNERS NAME: .....

**NOTES**

SWIP 1 DOWNPIPE DISCHARGES OVER 300x300 SWIP WITH L/D BOLT DOWN GRATE

SWIP 2 CONNECT TO CIVIL STORMWATER DRAINAGE



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DD1	PRELIMINARY ISSUE	HB	20.10.22
issue	amendment	inH	date

issue	amendment	date
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project

**NEW CALOUNDRA SOUTH WESTERN  
STATE PRIMARY SCHOOL DEVELOPMENT**  
AT  
CALOUNDRA QLD 4551

drawing title

**HYDRAULIC SERVICES  
DRAINAGE  
SITE PLAN PART 3 OF 3  
GROUND FLOOR**

drawn	checked	date
HB	B. NIKOLAJEVS	OCT. 2022
scale	approved	
1:250 @ A1		
job no.	drawing no.	revision
17746	H4	DD5

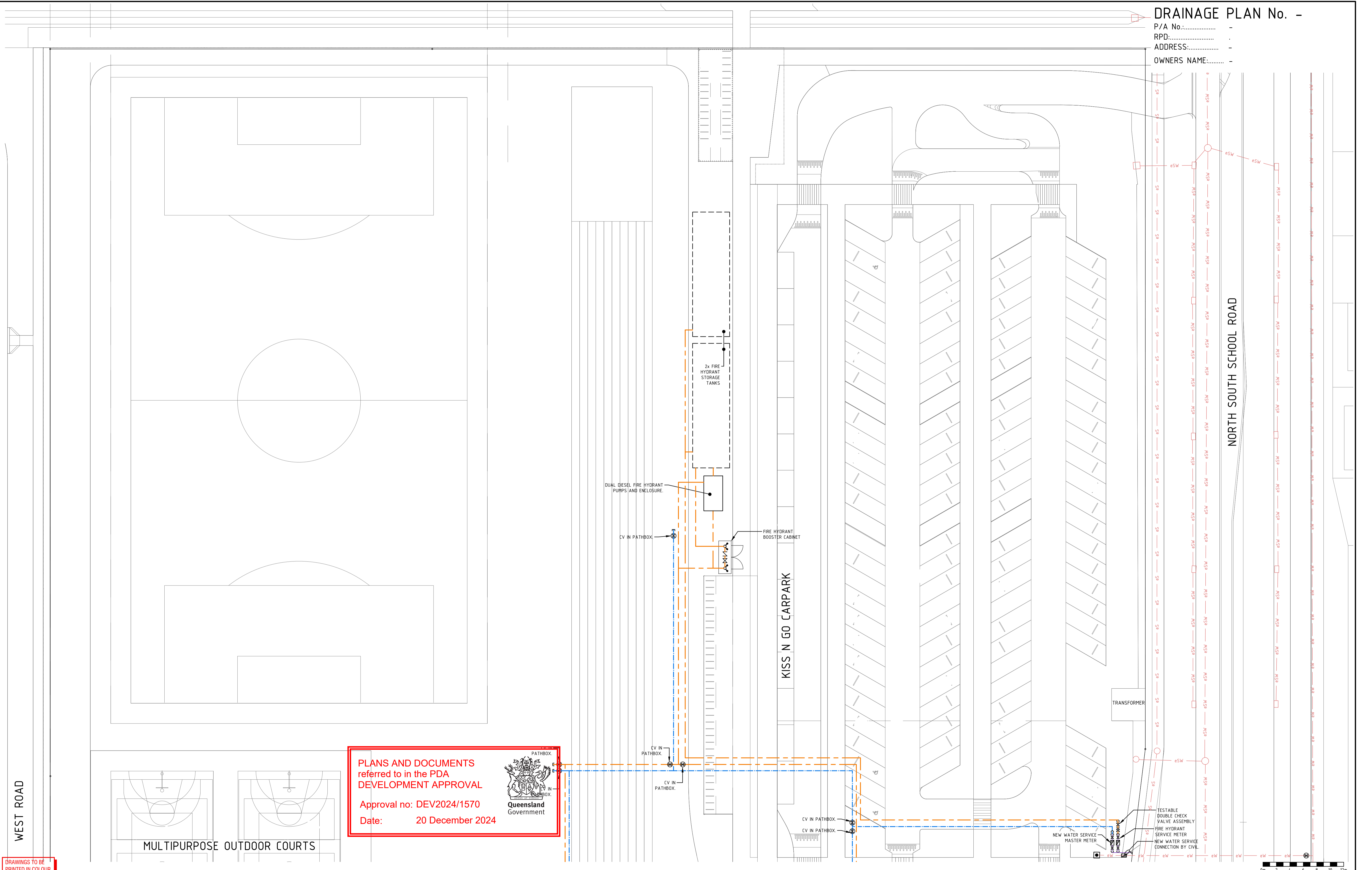
**DRAINAGE PLAN No. -**

P/A No.:.....

RPD:.....

ADDRESS:.....

OWNERS NAME:.....



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Riverside Lakeside 7522, David Lambart 8028

project

**NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT**  
AT  
**CALOUNDRA QLD 4551**

drawing title

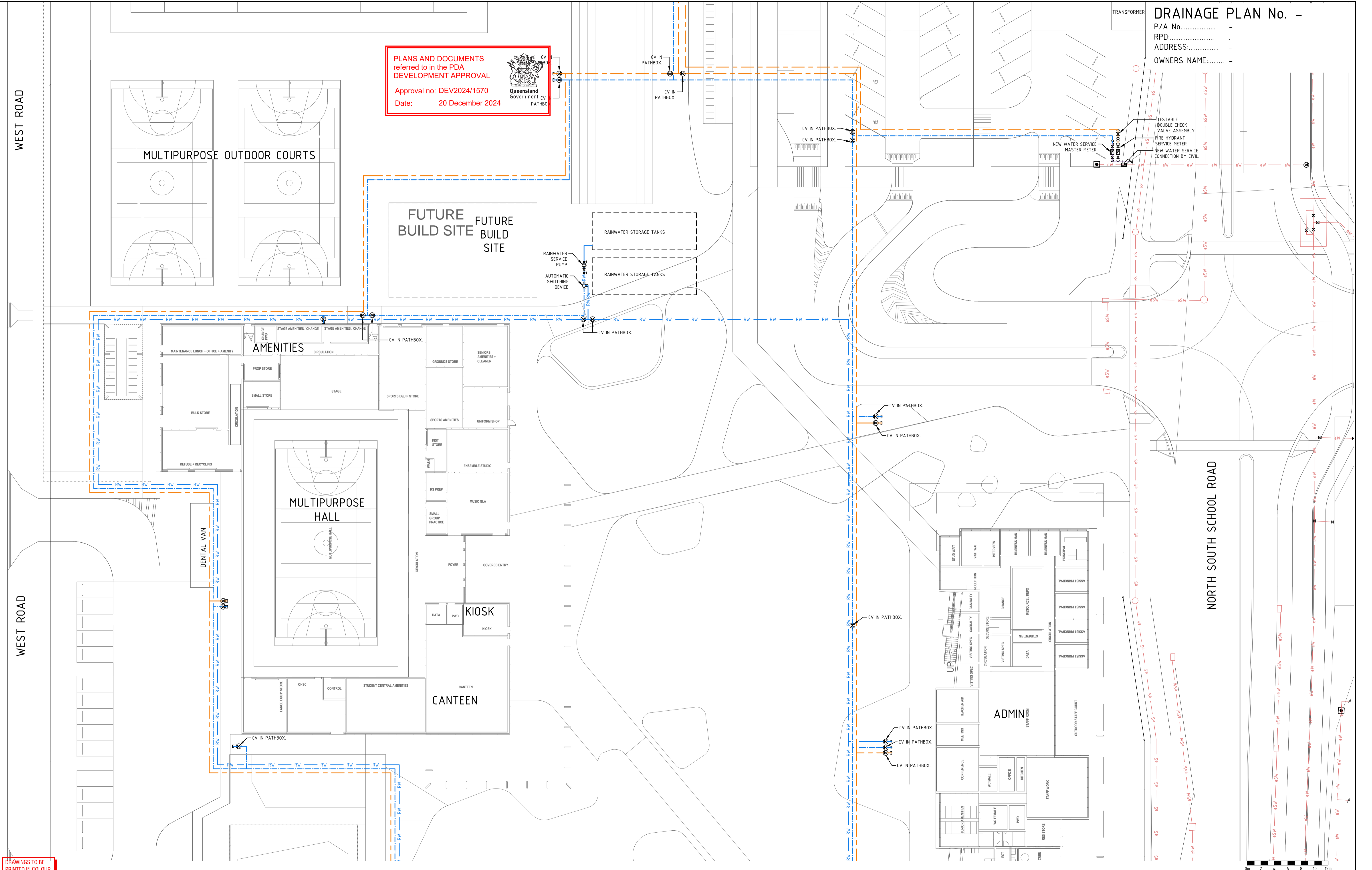
**HYDRAULIC SERVICES WATER AND FIRE SERVICES SITE PLAN PART 1 OF 3 GROUND FLOOR**

drawn	checked	date
HB	B. NIKOLAJEVS	OCT. 2022
scale	approved	
1:250 @ A1		
job no.	drawing no.	revision
17746	H5	DD4

**DRAINAGE PLAN No. -**

P/A No.: .....  
 RPD: .....  
 ADDRESS: .....  
 OWNERS NAME: .....

**PLANS AND DOCUMENTS**  
 referred to in the PDA  
**DEVELOPMENT APPROVAL**  
 Approval no: DEV2024/1570  
 Date: 20 December 2024



**DRAWINGS TO BE PRINTED IN COLOUR.**

issue	amendment	inH	date	issue	amendment	date
DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24			
DD3	REVISED PRELIMINARY ISSUE	HB	17.07.24			
DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23			
DD1	PRELIMINARY ISSUE	HB	20.10.22			

hydraulic consultant

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 QBCC LIC. No. 15067628

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 A/NZ: 640030421 NSW Homestead Architects/Turn Jordan 7021,  
 Renewed Licence 7022, David Turner 8029

project

**NEW CALOUNDRA SOUTH WESTERN  
 STATE PRIMARY SCHOOL DEVELOPMENT**  
 AT  
 CALOUNDRA QLD 4551

drawing title

**HYDRAULIC SERVICES  
 WATER AND FIRE SERVICES  
 SITE PLAN PART 2 OF 3  
 GROUND FLOOR**

drawn HB	checked B. NIKOLAJEVS QBCC LIC. N° 15058052	date OCT. 2022
scale 1:250 @ A1	approved	
job no. 17746	drawing no. H6	revision DD4



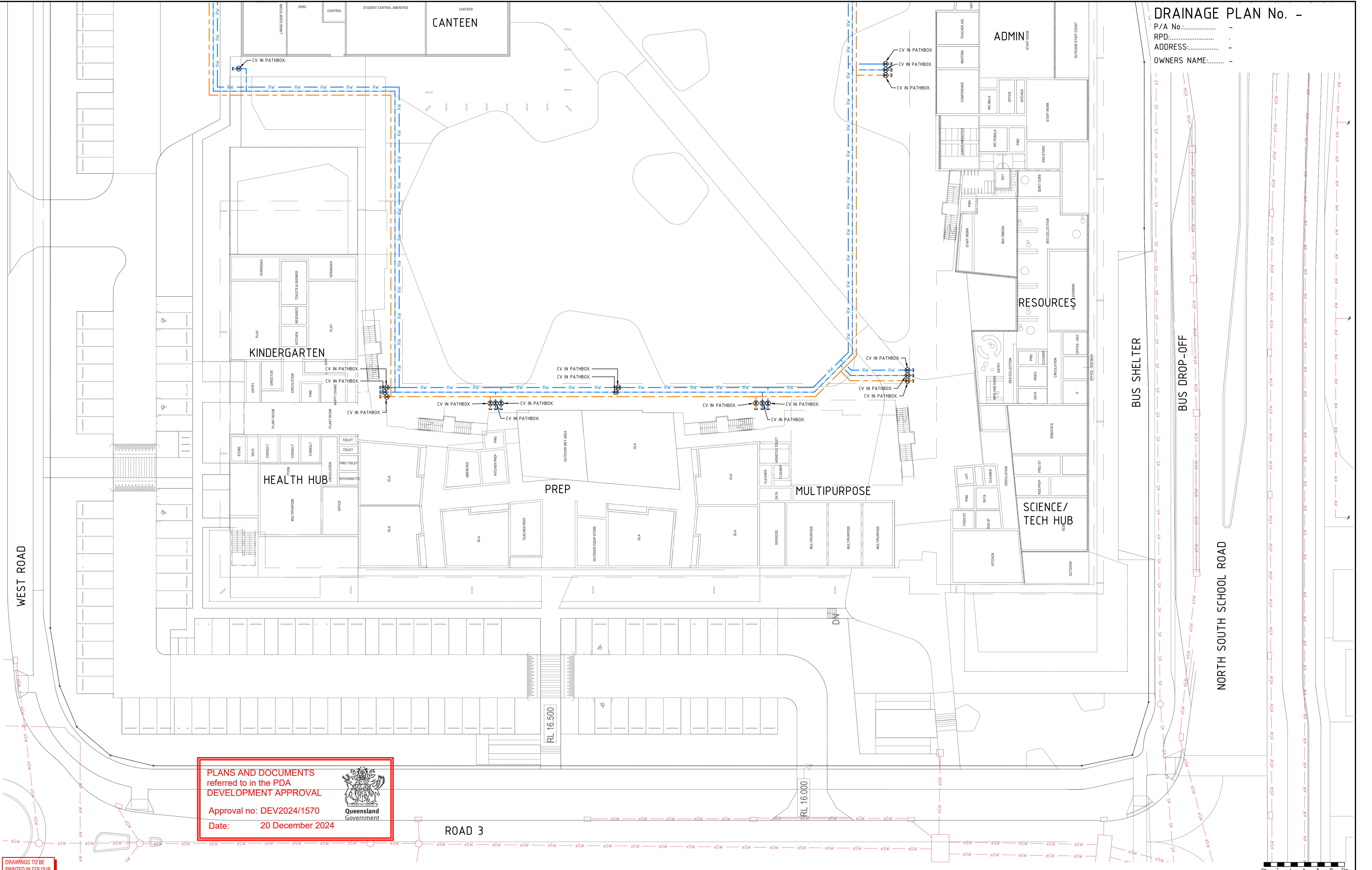
**DRAINAGE PLAN No. -**

P/A No.: .....

RPD: .....

ADDRESS: .....

OWNERS NAME: .....



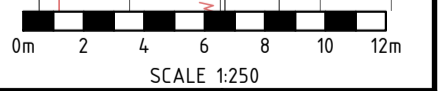
WEST ROAD

NORTH SOUTH SCHOOL ROAD

**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**  
 Approval no: DEV2024/1570  
 Date: 20 December 2024



DRAWINGS TO BE PRINTED IN COLOUR.



issue	amendment	int'l	date	issue	amendment	date
DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24			
DD3	REVISED PRELIMINARY ISSUE	HB	17.07.24			
DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23			
DD1	PRELIMINARY ISSUE	HB	20.10.22			

hydraulic consultant

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 Brisbane : Level 13/13A Queen Street, Brisbane QLD 4000 T: +61 7 3311 8807  
 ABLN: 840030421 NSW Homestead Architects/Turn Jordan 7021,  
 Renewal Licensee 7022, David Turner 8029

project

**NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT**  
 AT  
 CALOUNDRA QLD 4551

drawing title

**HYDRAULIC SERVICES WATER AND FIRE SERVICES SITE PLAN PART 3 OF 3 GROUND FLOOR**

drawn	checked	date
HB	B. NIKOLAJEVS	OCT. 2022
scale	approved	
1:250 @ A1		
job no.	drawing no.	revision
17746	H7	DD4

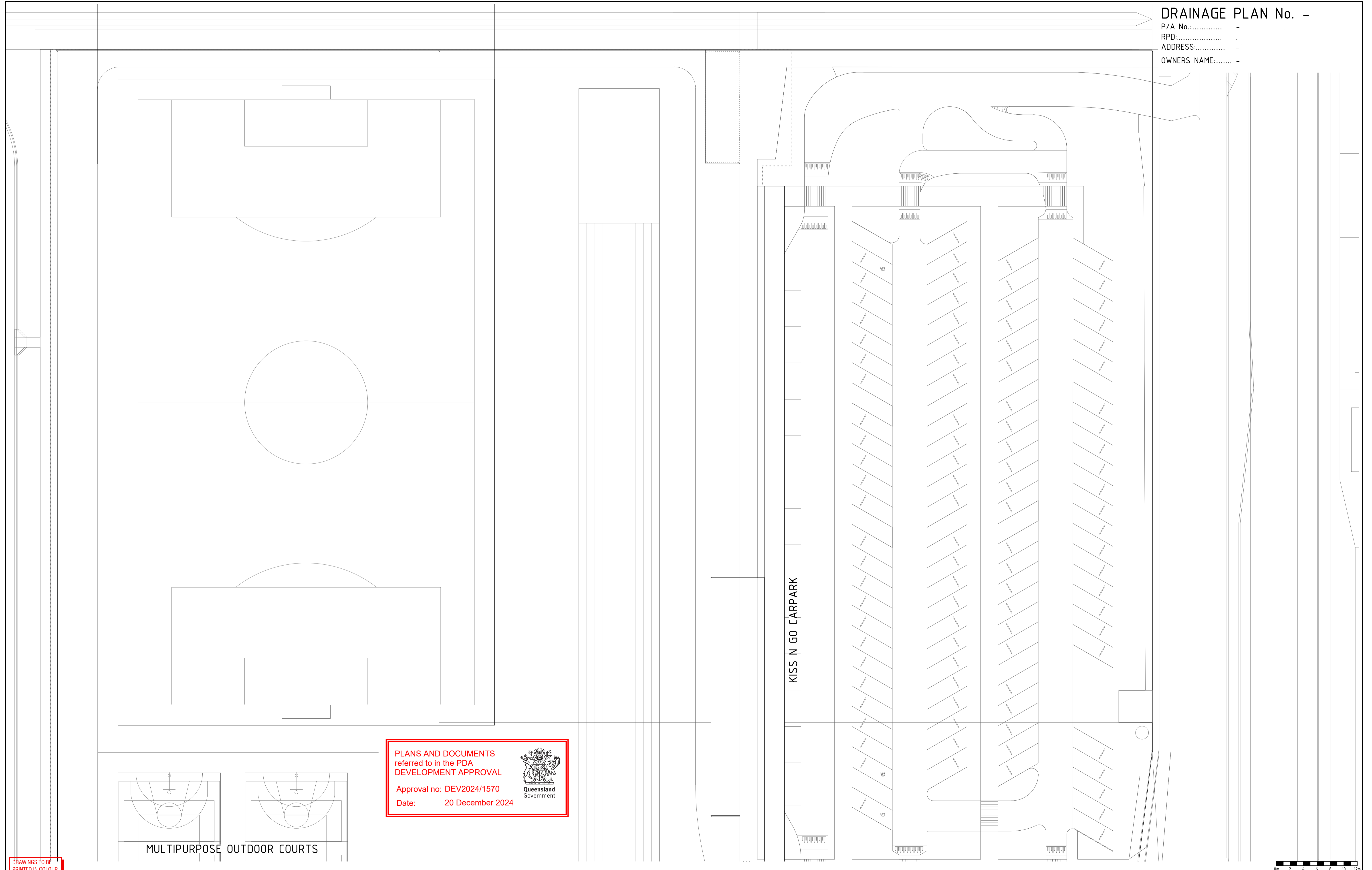
**DRAINAGE PLAN No. -**

P/A No.:..... -

RPD:..... -

ADDRESS:..... -

OWNERS NAME:..... -

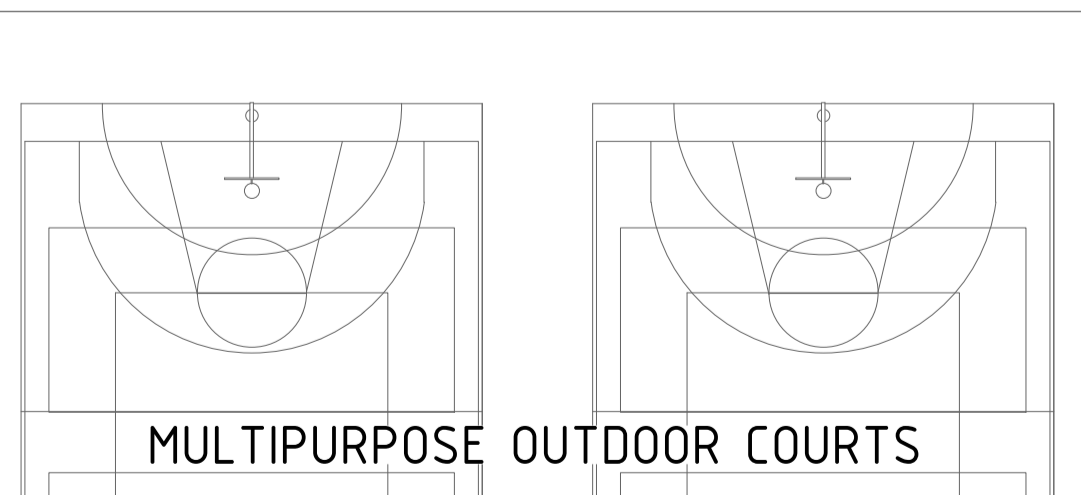


**PLANS AND DOCUMENTS**  
referred to in the PDA  
**DEVELOPMENT APPROVAL**

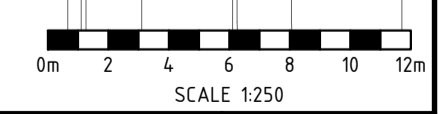
Approval no: DEV2024/1570  
Date: 20 December 2024



**DRAWINGS TO BE  
PRINTED IN COLOUR.**



**MULTIPURPOSE OUTDOOR COURTS**



	DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24						hydraulic consultant  Level 3, 39 Sherwood Road, Toowong, QLD 4066 PH: (07) 3876 0088 admin@brwhydraulics.com.au www.brwhydraulics.com.au QBCC LIC. No. 15067628	client  Melbourne : Level 1, 205 Flinders Lane, Melbourne VIC 3000 T: +61 3 9600 9644 Sydney : Ground Floor 11-13 Bankers Quay, St Leonards NSW 2017 T: +61 2 9660 9228 Brisbane : Level 15/16A Queen Street, Brisbane QLD 4000 T: +61 7 3211 1807 ADRN: 840030421 NSW Homestead Architects/Tim Jansen 7021, Ronald Lockart 7022, David Tisdell 8029	project NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT AT CALOUNDRA QLD 4551	drawing title HYDRAULIC SERVICES DRAINAGE SITE PLAN PART 1 OF 3 FIRST FLOOR	drawn	checked	date
	HB	B. NIKOLAJEVS	OCT. 2022													
	scale	approved														
	1:250 @ A1															
	job no.	drawing no.	revision													
17746	H8	DD4														

**DRAINAGE PLAN No. -**

P/A No.:..... -

RPD:..... -

ADDRESS:..... -

OWNERS NAME:..... -

**PLANS AND DOCUMENTS**  
referred to in the PDA  
**DEVELOPMENT APPROVAL**

Approval no: **DEV2024/1570**  
Date: **20 December 2024**



MULTIPURPOSE OUTDOOR COURTS

FUTURE  
BUILD  
SITE

MULTIPURPOSE  
HALL

DENTAL

BIN STOR  
AREA

FIRE COMPARTMENT 2  
(4,755m<sup>2</sup>)

OLA

DRAWINGS TO BE  
PRINTED IN COLOUR.




issue	amendment	inH	date	issue	amendment	date
DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24			
DD3	REVISED PRELIMINARY ISSUE	HB	17.07.24			
DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23			
DD1	PRELIMINARY ISSUE	HB	20.10.22			

hydraulic consultant



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www.brwhydraulics.com.au  
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client



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Melbourne - Level 15/16, 400 Queen Street, Melbourne VIC 3000 T +61 3 9311 8807  
Adm. 840030421 NSW Homestead Architects/Turn, Jackson 7027,  
Riverside Lakeside 7022, David Turner 8029

project

**NEW CALOUNDRA SOUTH WESTERN  
STATE PRIMARY SCHOOL DEVELOPMENT**  
AT  
**CALOUNDRA QLD 4551**

drawing title

**HYDRAULIC SERVICES  
DRAINAGE  
SITE PLAN PART 2 OF 3  
FIRST FLOOR**

drawn HB	checked B. NIKOLAJEVS QBCC LIC. N° 15058052	date OCT. 2022
scale 1:250 @ A1	approved	
job no. <b>17746</b>	drawing no. <b>H9</b>	revision <b>DD4</b>

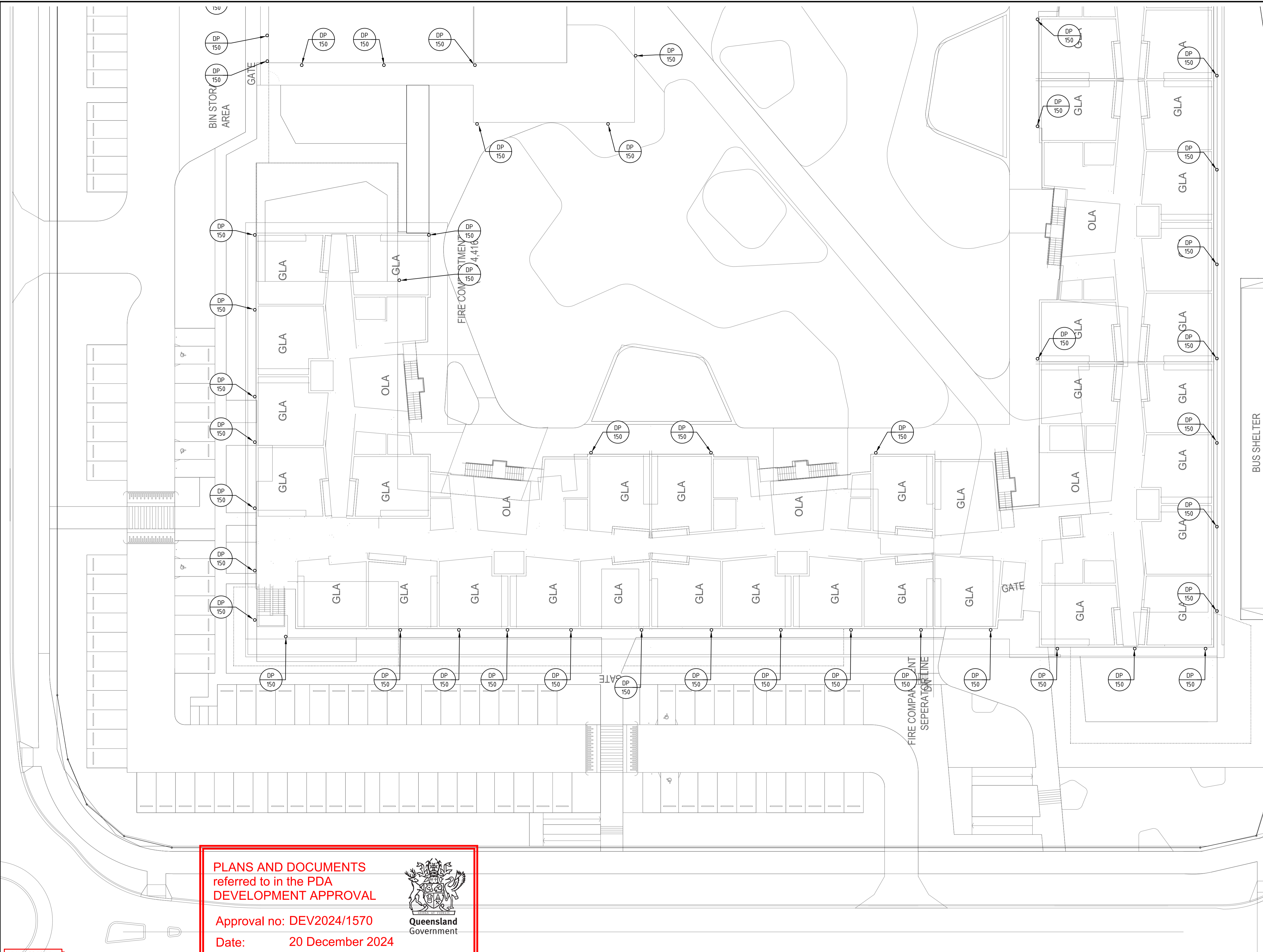
**DRAINAGE PLAN No. -**

P/A No.:..... -

RPD:..... -

ADDRESS:..... -

OWNERS NAME:..... -



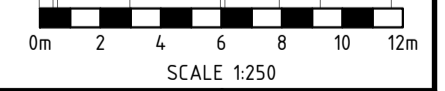
**PLANS AND DOCUMENTS**  
referred to in the PDA  
**DEVELOPMENT APPROVAL**

Approval no: DEV2024/1570

Date: 20 December 2024



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DD3	REVISED PRELIMINARY ISSUE	HB	17.07.24
DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23
DD1	PRELIMINARY ISSUE	HB	20.10.22
issue	amendment	inH	date

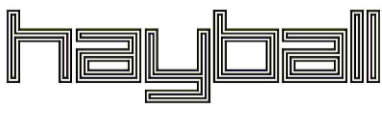
issue	amendment	date	

hydraulic consultant



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A/NZL 840030421 NSW Homestead Architects/Turner Jones 7021,  
Riverside Lakeside 7102, David Turner 8028

project

**NEW CALOUNDRA SOUTH WESTERN  
STATE PRIMARY SCHOOL DEVELOPMENT**  
AT  
**CALOUNDRA QLD 4551**

drawing title

**HYDRAULIC SERVICES  
DRAINAGE  
SITE PLAN PART 3 OF 3  
FIRST FLOOR**

drawn	checked	date
HB	B. NIKOLAJEVS QBCC LIC. N° 15058052	OCT. 2022
scale	approved	
1:250 @ A1		
job no.	drawing no.	revision
17746	H10	DD4

**DRAINAGE PLAN No. -**

P/A No.:..... -

RPD:..... -

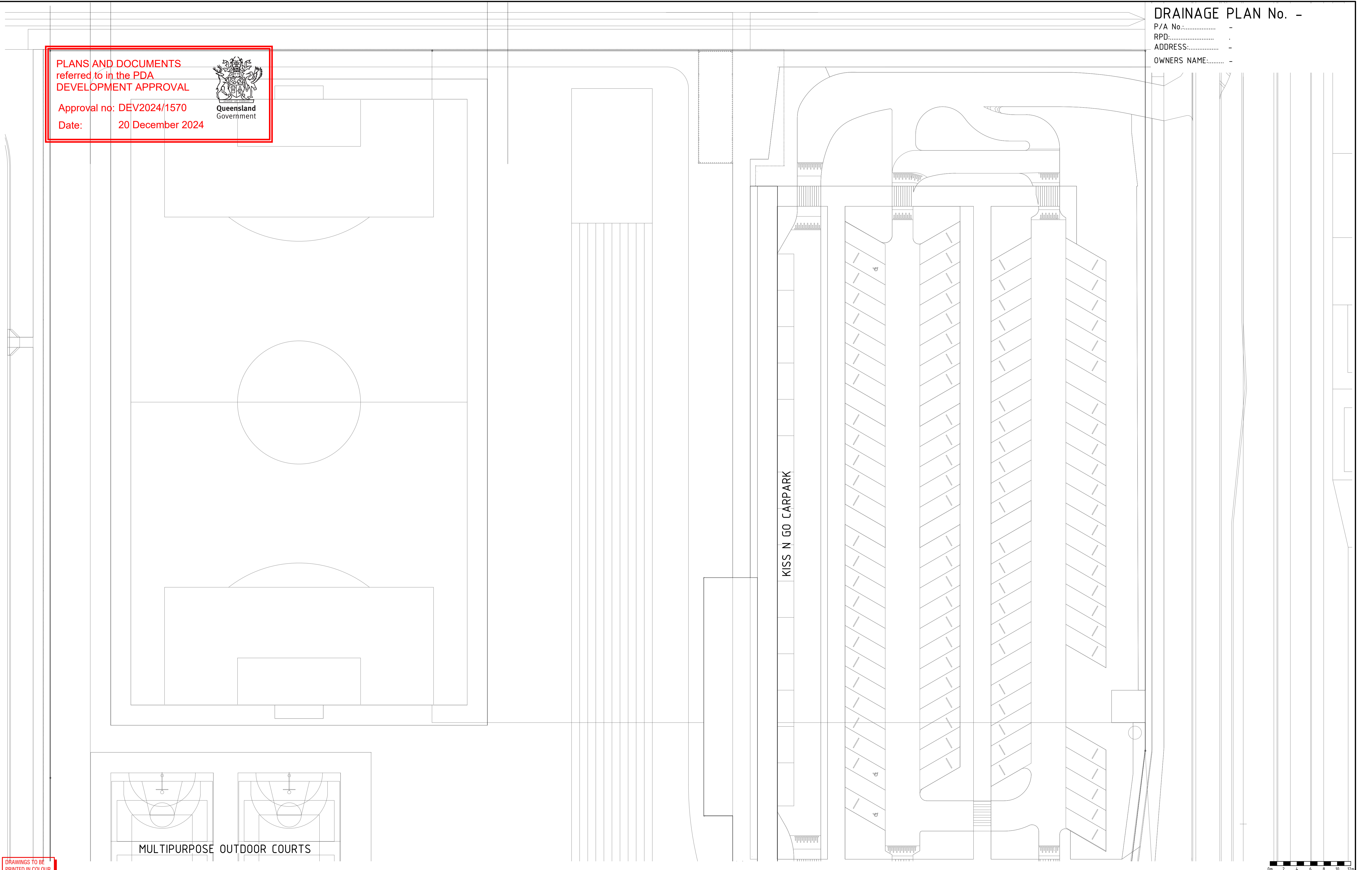
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OWNERS NAME:..... -

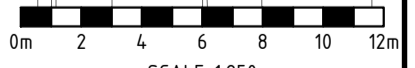
**PLANS AND DOCUMENTS**  
referred to in the PDA  
**DEVELOPMENT APPROVAL**



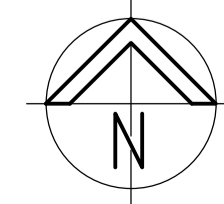
Approval no: DEV2024/1570  
Date: 20 December 2024



MULTIPURPOSE OUTDOOR COURTS



DRAWINGS TO BE  
PRINTED IN COLOUR.



issue	amendment	inH	date	issue	amendment	date
DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24			
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DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23			
DD1	PRELIMINARY ISSUE	HB	20.10.22			

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QBCC LIC. No. 15067628

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Waterhouse : Level 1, 200 Flinders Lane, Melbourne VIC 3000 T: +61 3 9600 9644  
Byrnes : Ground Floor 11-13 Bankers Quay, Brisbane QLD 4000 T: +61 7 3211 1807  
Brisbane : Level 15/16A Queen Street, Brisbane QLD 4000 T: +61 7 3211 1807  
ABN: 8400304281 NSW Homestead Architects Pty. Justice 7021,  
Ronald Lockart 7022, David Tuckett 8029

project

**NEW CALOUNDRA SOUTH WESTERN  
STATE PRIMARY SCHOOL DEVELOPMENT**  
AT  
CALOUNDRA QLD 4551

drawing title

**HYDRAULIC SERVICES  
WATER AND FIRE SERVICES  
SITE PLAN PART 1 OF 3  
FIRST FLOOR**

drawn	checked	date
HB	B. NIKOLAJEVS QBCC LIC. N° 15058052	OCT. 2022
scale	approved	
1:250 @ A1		
job no.	drawing no.	revision
17746	H11	DD4

**DRAINAGE PLAN No. -**

P/A No.:..... -

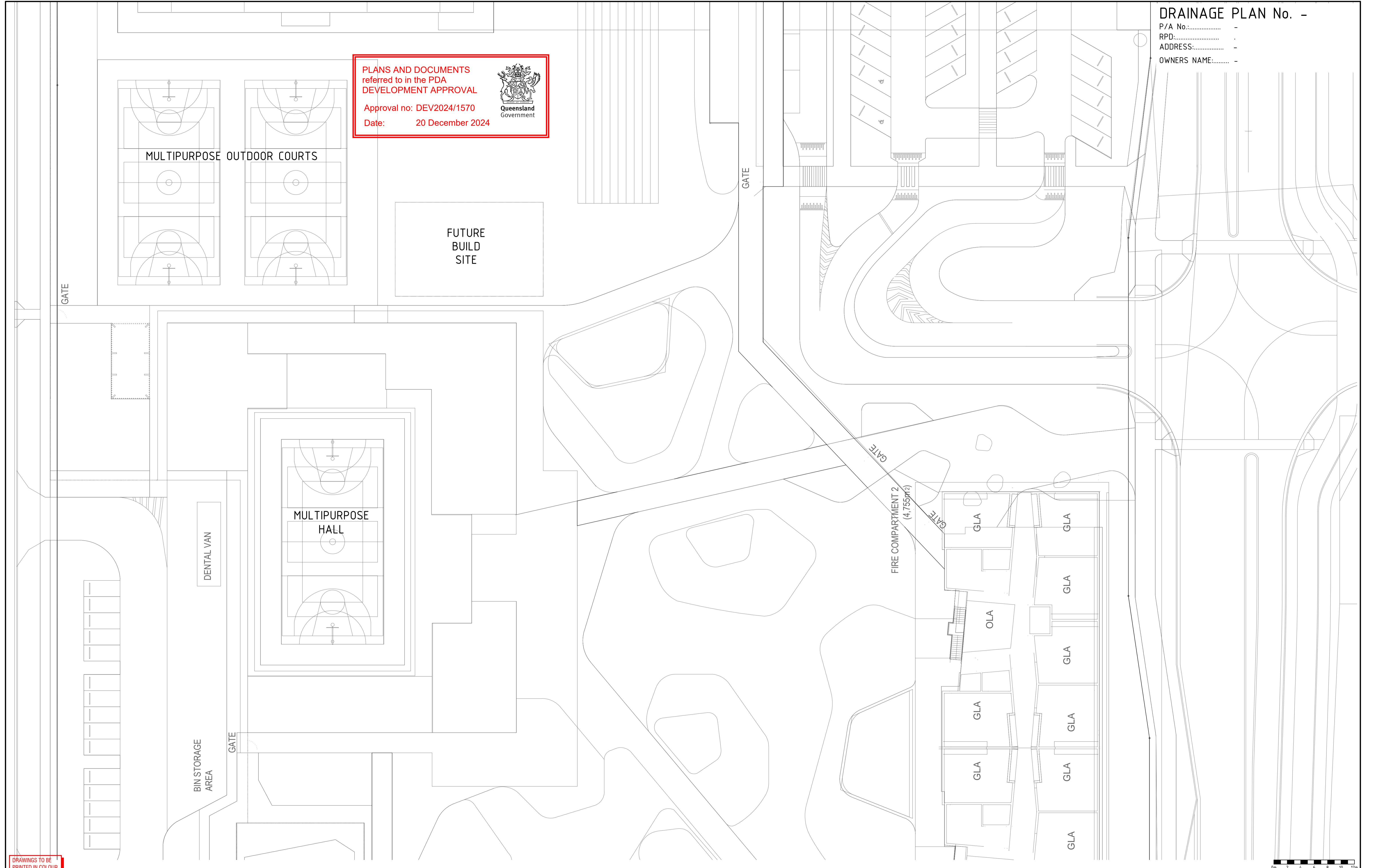
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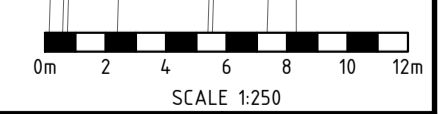
OWNERS NAME:..... -

**PLANS AND DOCUMENTS**  
referred to in the PDA  
**DEVELOPMENT APPROVAL**

Approval no: DEV2024/1570  
Date: 20 December 2024

DRAWINGS TO BE  
PRINTED IN COLOUR.



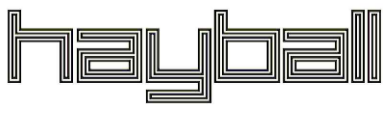
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DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24			
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DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23			
DD1	PRELIMINARY ISSUE	HB	20.10.22			

hydraulic consultant



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QBCC LIC. No. 15067628

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Bydney : Ground Floor 11-13 Bourke Street, Sydney NSW 2011 T +61 2 9660 9228  
Melbourne : Level 15/16A Queen Street, Melbourne VIC 3000 T +61 3 9311 8800  
A/NZ: 840030421 NSW Homestead Architects Pty. Jordan 7021,  
Riverside Lakeside 7022, David Turner 8029

project

**NEW CALOUNDRA SOUTH WESTERN  
STATE PRIMARY SCHOOL DEVELOPMENT**  
AT  
CALOUNDRA QLD 4551

drawing title

**HYDRAULIC SERVICES  
WATER AND FIRE SERVICES  
SITE PLAN PART 2 OF 3  
FIRST FLOOR**

drawn HB	checked B. NIKOLAJEVS QBCC LIC. N° 15058052	date OCT. 2022
scale 1:250 @ A1	approved	
job no. 17746	drawing no. H12	revision DD4

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2024/1570

Date: 20 December 2024



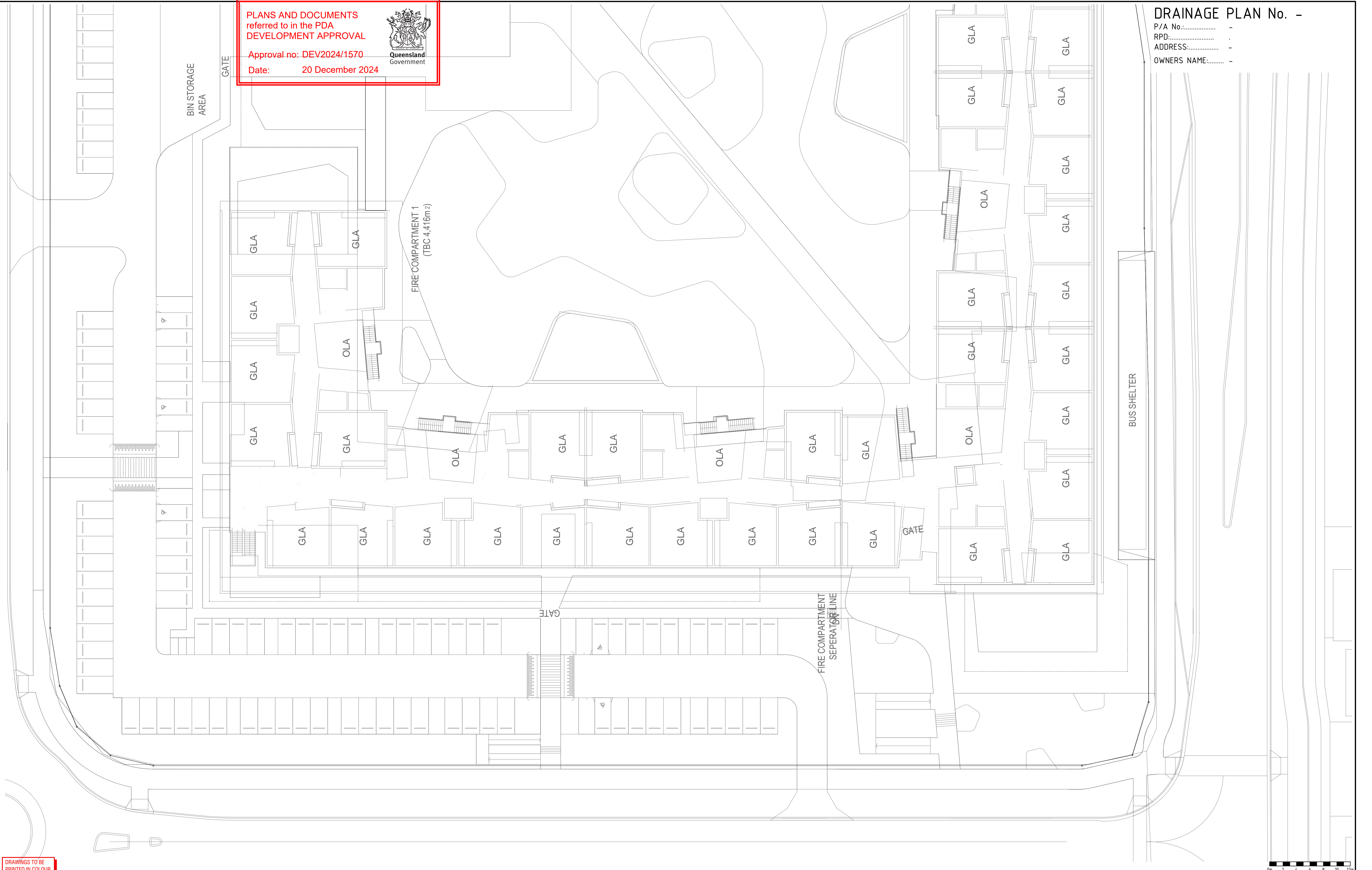
DRAINAGE PLAN No. -

P/A No.: -

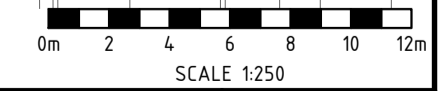
RPD: -

ADDRESS: -

OWNERS NAME: -



DRAWINGS TO BE PRINTED IN COLOUR.



issue	amendment	int	date	issue	amendment	date
DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24			
DD3	REVISED PRELIMINARY ISSUE	HB	17.07.24			
DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23			
DD1	PRELIMINARY ISSUE	HB	20.10.22			

hydraulic consultant

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Melbourne : Level 15/16A, 150 Queen Street, Melbourne VIC 3000 T: +61 3 9311 1807  
ABN: 8400304281 NSW Homestead Architects/Turner Jordan 7021,  
Richard Leonard 7022, David Turner 8029

project

NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT  
AT  
CALOUNDRA QLD 4551

drawing title

HYDRAULIC SERVICES WATER AND FIRE SERVICES SITE PLAN PART 3 OF 3 FIRST FLOOR

drawn	checked	date
HB	B. NIKOLAJEVS QBCC LIC. N° 15058052	OCT. 2022
scale	approved	
1:250 @ A1		
job no.	drawing no.	revision
17746	H13	DD4

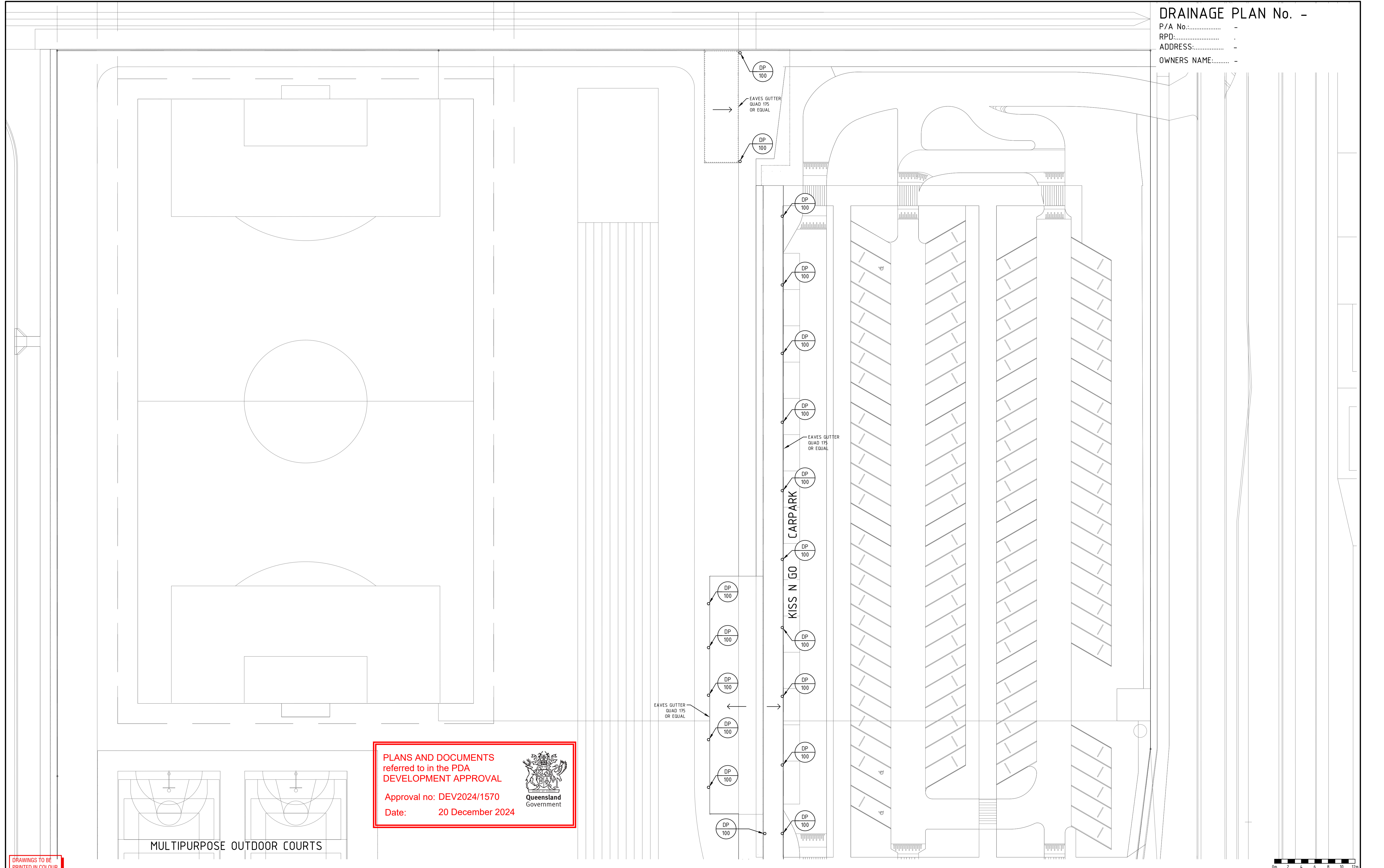
**DRAINAGE PLAN No. -**

P/A No.:..... -

RPD:..... -

ADDRESS:..... -

OWNERS NAME:..... -



**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**

Approval no: DEV2024/1570  
Date: 20 December 2024



DRAWINGS TO BE PRINTED IN COLOUR.



	DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24						hydraulic consultant  Level 3, 39 Sherwood Road, Toowong, QLD 4066 PH: (07) 3876 0088 admin@brwhydraulics.com.au www.brwhydraulics.com.au QBCC LIC. No. 15067628	client  Melbourne : Level 1, 205 Flinders Lane, Melbourne VIC 3000 T: +61 3 9600 9644 Sydney : Ground Floor 11-13 Bankers Quay, Sydney NSW 2011 T: +61 2 9660 9628 Brisbane : Level 10/10A Queen Street, Brisbane QLD 4000 T: +61 7 3311 5801 Adelaide : 84/85 North Road, Adelaide SA 5000 T: +61 8 8333 8801 Perth : Level 10, 100 St Georges Terrace, Perth WA 6000 T: +61 8 9433 8801	project NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT AT CALOUNDRA QLD 4551	drawing title HYDRAULIC SERVICES DRAINAGE SITE PLAN PART 1 OF 3 ROOF PLAN	drawn	checked	date
		HB	B. NIKOLAJEVS	OCT. 2022												
	scale	approved														
	1:250 @ A1															
	job no.	drawing no.	revision													
17746	H14	DD4														



**DRAINAGE PLAN No. -**

P/A No.:..... -

RPD:..... -

ADDRESS:..... -

OWNERS NAME:..... -

**PLANS AND DOCUMENTS**  
referred to in the PDA  
**DEVELOPMENT APPROVAL**

Approval no: DEV2024/1570  
Date: 20 December 2024



MULTIPURPOSE OUTDOOR COURTS

FUTURE BUILD SITE

AMENITIES

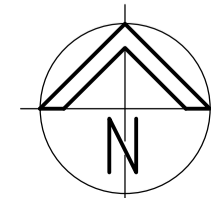
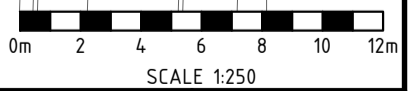
MULTIPURPOSE HALL

KIOSK

CANTEEN

ADMIN

DRAWINGS TO BE PRINTED IN COLOUR.



issue	amendment	inH	date	issue	amendment	date
DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24			
DD3	REVISED PRELIMINARY ISSUE	HB	17.07.24			
DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23			
DD1	PRELIMINARY ISSUE	HB	20.10.22			

hydraulic consultant

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HYDRAULICS  
PTY LTD

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QBCC LIC. No. 15067628

client

**hayball**

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By fax: +61 3 9600 9628  
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ABN: 840030421 NSW Homestead Architects Pty. Jordan 7027,  
Riverside Lakeside 7022, David Tisdell 8029

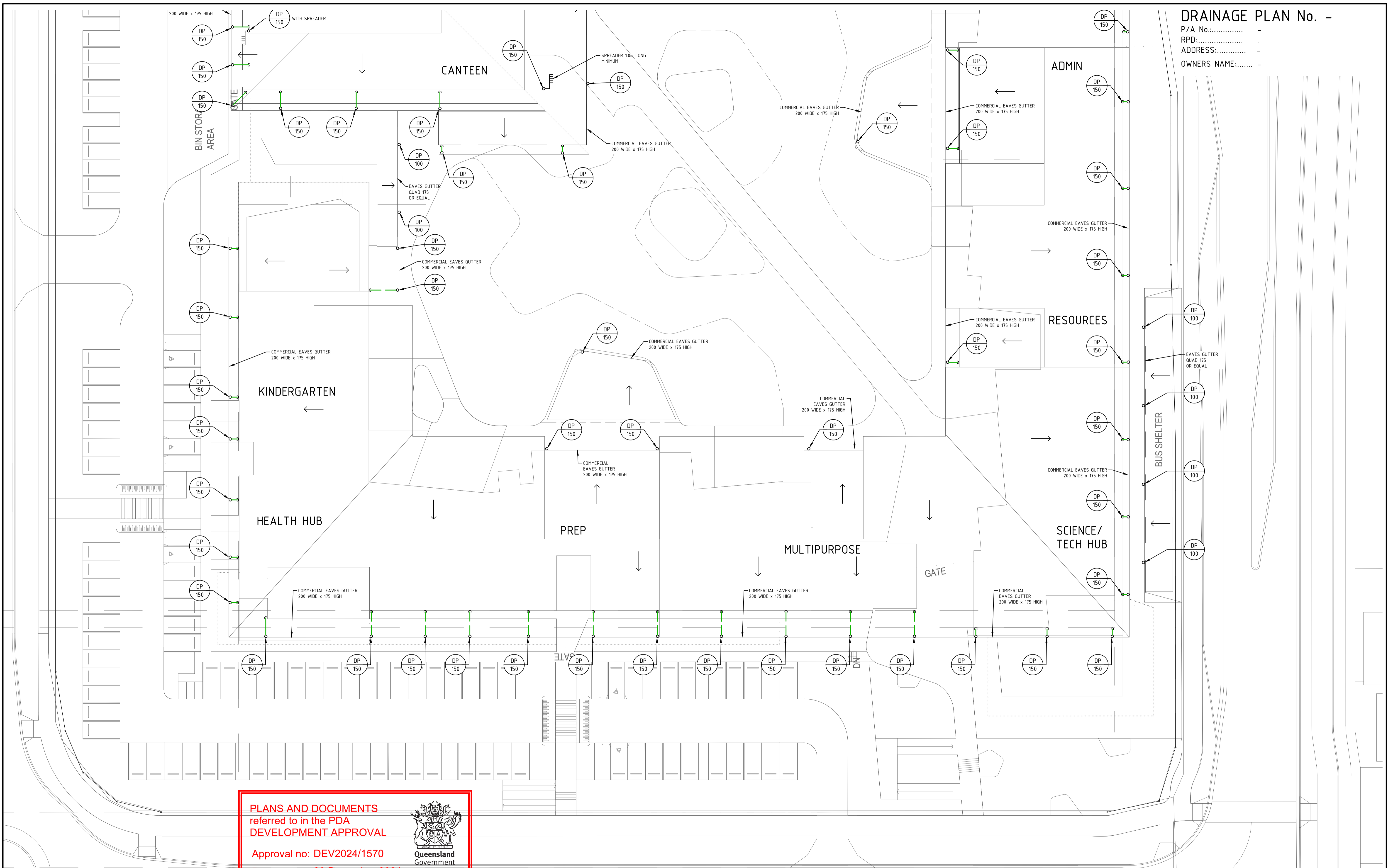
project  
**NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT**  
AT  
**CALOUNDRA QLD 4551**

drawing title  
**HYDRAULIC SERVICES DRAINAGE SITE PLAN PART 2 OF 3 ROOF PLAN**

drawn	checked	date
HB	B. NIKOLAJEVS	OCT. 2022
scale	approved	
1:250 @ A1		
job no.	drawing no.	revision
17746	H15	DD4

**DRAINAGE PLAN No. -**

P/A No.: .....  
 RPD: .....  
 ADDRESS: .....  
 OWNERS NAME: .....



**PLANS AND DOCUMENTS**  
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**DEVELOPMENT APPROVAL**  
 Approval no: DEV2024/1570  
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DD1	PRELIMINARY ISSUE	HB	20.10.22			

hydraulic consultant

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 www.brwhydraulics.com.au  
 QBCC LIC. No. 15067628

client

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 Brisbane : Level 15/16, Queen Street, Brisbane QLD 4000 T: +61 7 3211 5807  
 ABLN: 8400034281 NSW Homestead Architects Tom Jordan 7027,  
 Ronald Lockart 7025, David Tisdell 8029

project

**NEW CALOUNDRA SOUTH WESTERN  
 STATE PRIMARY SCHOOL DEVELOPMENT**  
 AT  
 CALOUNDRA QLD 4551

drawing title

**HYDRAULIC SERVICES  
 DRAINAGE  
 SITE PLAN PART 3 OF 3  
 ROOF PLAN**

drawn HB	checked B. NIKOLAJEVS QBCC LIC. N° 15058052	date OCT. 2022
scale 1:250 @ A1	approved	
job no. 17746	drawing no. H16	revision DD4

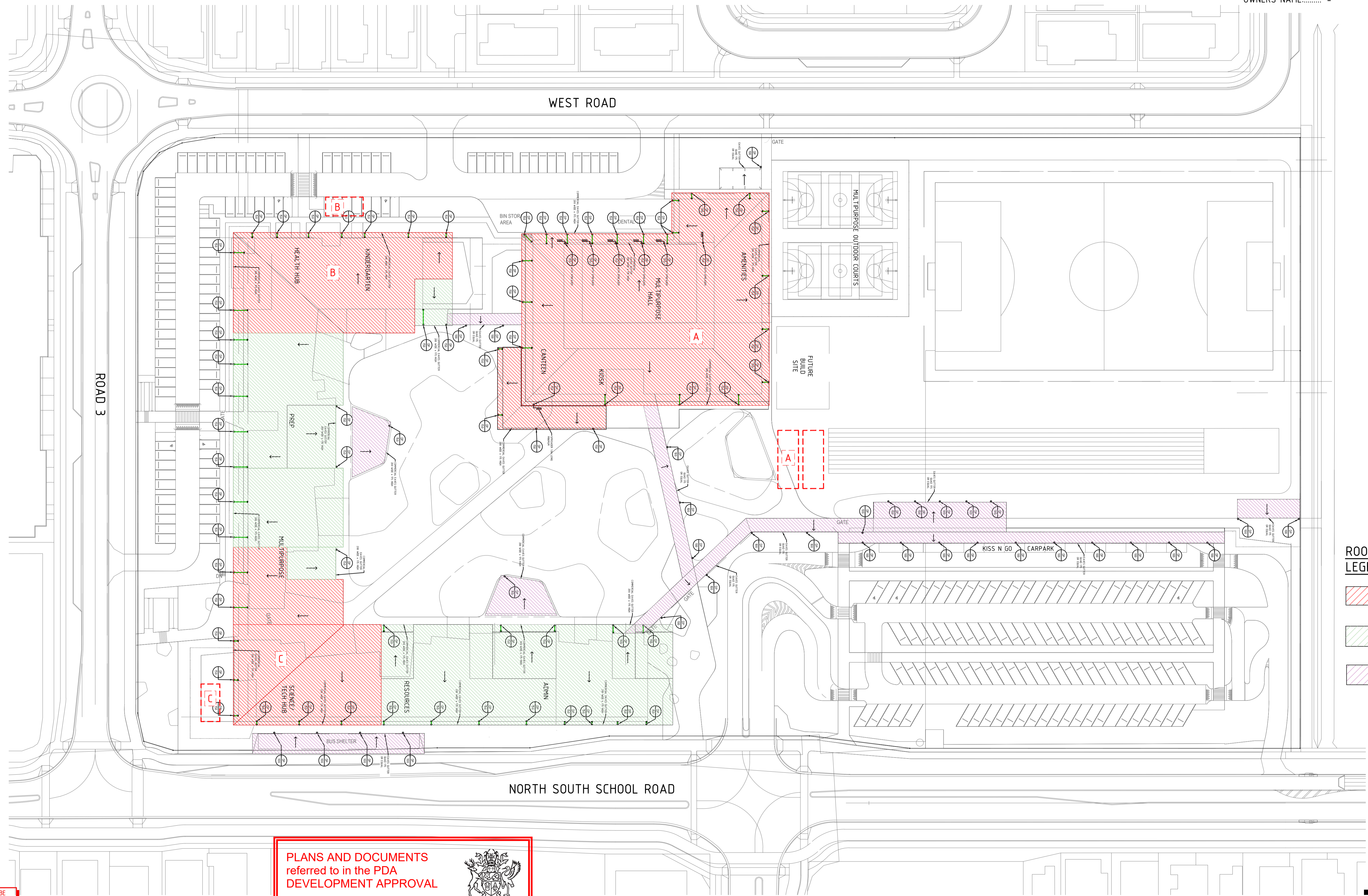
**DRAINAGE PLAN No. -**

P/A No.:..... -

RPD:..... -

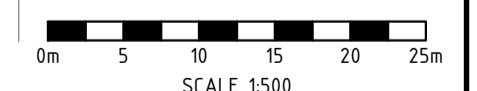
ADDRESS:..... -

OWNERS NAME:..... -



**ROOF CATCHMENT LEGEND**

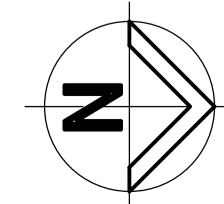
- 6534m<sup>2</sup>**  
TOTAL BUILDING ROOF AREA DISCHARGING TO RAINWATER TANKS
- 3831m<sup>2</sup>**  
TOTAL BUILDING ROOF AREA DISCHARGING TO STORMWATER DRAINAGE
- 1708m<sup>2</sup>**  
TOTAL ROOF AREA FOR COVERED WALKWAYS DISCHARGING TO STORMWATER DRAINAGE



**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**  
 Approval no: **DEV2024/1570**  
 Date: **20 December 2024**



**DRAWINGS TO BE PRINTED IN COLOUR.**



DD5	REVISED PRELIMINARY ISSUE	HB	08.11.24
DD4	REVISED PRELIMINARY ISSUE	HB	30.07.24
DD3	REVISED PRELIMINARY ISSUE	HB	17.07.24
DD2	REVISED PRELIMINARY ISSUE	HB	30.03.23
DD1	PRELIMINARY ISSUE	HB	20.10.22
issue	amendment	int'l	date

issue	amendment	date

hydraulic consultant

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Bynight: 12pm - 3pm Sat - Sun  
ABN: 840030421 NSW Homestead Architects Tom Jordan 7021,  
Richard Leonard 7022, David Turpin 8029

project

**NEW CALOUNDRA SOUTH WESTERN STATE PRIMARY SCHOOL DEVELOPMENT**  
AT  
CALOUNDRA QLD 4551

drawing title

**HYDRAULIC SERVICES DRAINAGE TO RAINWATER TANKS ROOF AREA CATCHMENTS**

drawn	checked	date
HB	B. NIKOLAJEVS QBCC LIC. N° 15058052	OCT. 2022
scale	approved	
1:500 @ A1		
job no.	drawing no.	revision
17746	H17	DD5