

NSW DEPARTMENT OF EDUCATION

NEW HIGH SCHOOL FOR GOOGONG

Review of Environmental Factors

Hydraulic Services Report

Project No : 8333

Revision : 4 – Final Issue

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1 INTRODUCTION

DSC has prepared this Hydraulic Services Report on behalf of the Department of Education (DoE) to assess the potential environmental impacts that could arise from the construction and use of the new High School for Googong (the **Activity**) at 200 Wellsvale Drive, Googong. This report supports the assessment of the proposed Activity under Part 5 of the Environmental Planning and Assessment Act 1979. The Activity is proposed by the DoE to meet the growth in educational demand in the Googong precinct.

This report has been prepared to outline the hydraulic services.

1.1 SUMMARY OF ACTIVITY

The activity relates to the construction and operation of a new educational establishment to serve the needs of the growing Googong township by accommodating up to 700 students from years 7 – 12. Specifically, the activity includes the following:

- Building A, a three to four-storey building in the northern portion of the site, fronting Glenrock Drive, which will accommodate learning spaces and administrative functions of the school.
- Building B, a three-storey building in the north-west portion of the site, fronting Observer Street, which will accommodate learning spaces and administrative functions of the school.
- Building C, fronting Glenrock Drive, which will accommodate a school hall / gymnasium and canteen.
- Outdoor recreation areas, cricket nets, playing court and playing field.
- Main pedestrian entry established from Glenrock Drive.
- Car park and accessible pedestrian entry from Wellsvale Drive.
- Service entry from Observer Street.
- Associated civil works, earthworks, servicing and landscaping.
- Associated off-site works such as the construction of pedestrian crossings, drop off and pick up bays and a bus stop.
- School identification and wayfinding signage.

The REF describes the activity, documents the examination and consideration of all matters affecting or likely to affect the environment, and details safeguards to be implemented to mitigate impacts.

The Department of Education is the determining authority for the project under Part 5 of the Environmental Planning and Assessment Act 1979 (EP&A Act).

1.2 SITE DESCRIPTION

Googong is a new release area within the Queanbeyan-Palerang Local Government Area (LGA), located approximately eight kilometres south of Queanbeyan and 17 kilometres southeast of the Canberra Central Business District (CBD). Googong Reservoir, a significant waterbody, is located approximately 3 kilometres east of the subject site. Canberra Airport is located approximately 12 kilometres north of the subject site.

The site is legally described as Lot 829 in Deposited Plan 1277372. The proposed new high school site within this Lot has an area of approximately 5.84 hectares.

The site is currently zoned as R1 General Residential in the Queanbeyan Palerang Local Environmental Plan (LEP) 2022 and is located within Neighbourhood 2 of the Googong Masterplan, within the Googong DCP 2010.

The site is surrounded by low-density residential development, recreational areas and a future local centre adjoining the site to the north.

The site is currently vacant with no existing structures and has been cleared of all trees and native vegetation. The site has an approximately 12 metre fall from the southwest corner of the site at RL ~763.550m Australian Height Datum AHD to the northeast at RL ~751.570m AHD.

An aerial image of the site is shown at **Figure 1** below.



Figure 1 – Site Location Plan

Source: Mecone

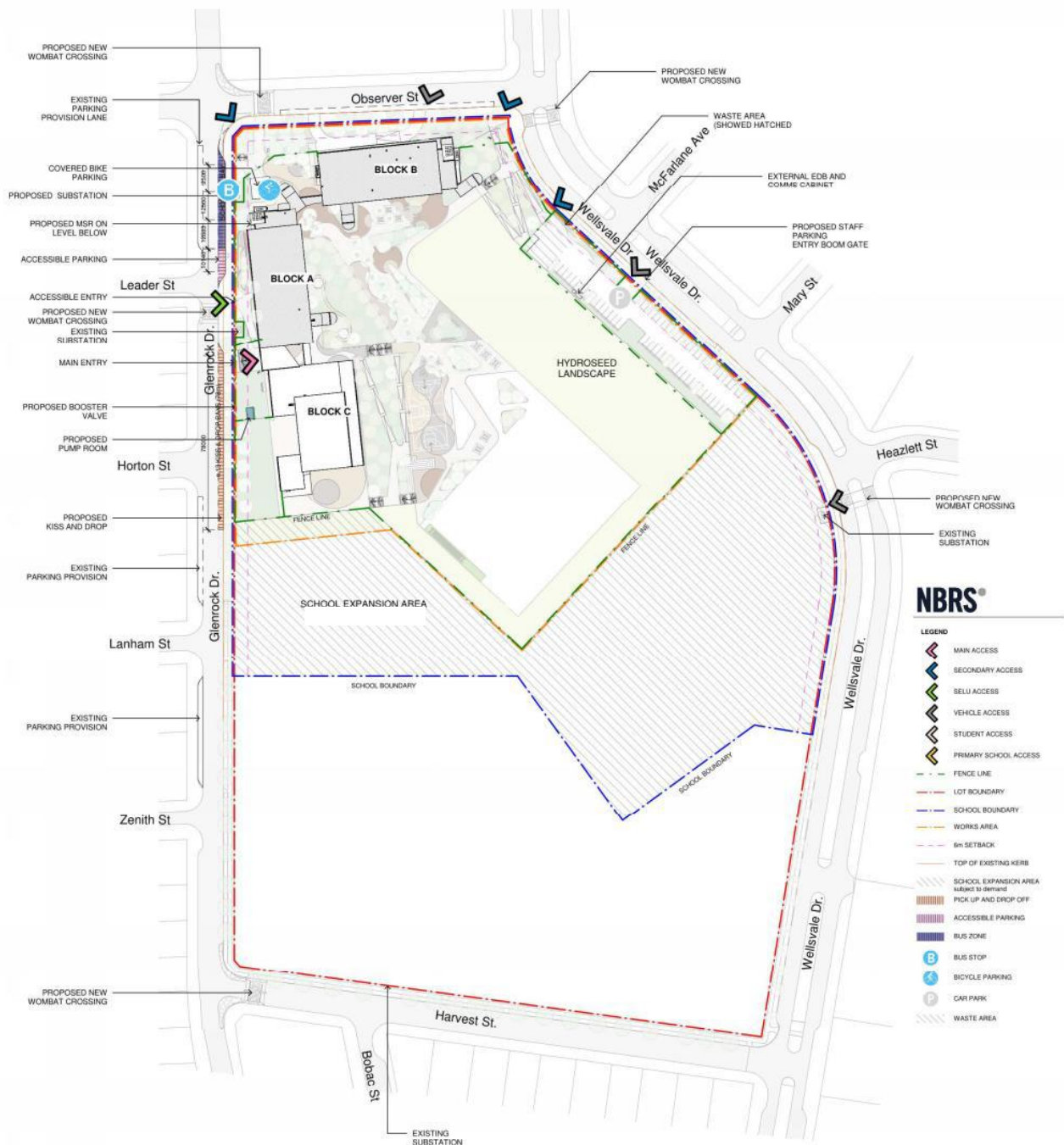


Figure 2 – Site Plan

Source – NBRS

2 ASSESSMENT OF UTILITIES - WATER AND WASTEWATER

Requirement	Y	N	N/A	Comments
Utilities				
Does the REF broadly set out how the proposal will be serviced by necessary services and utilities?	☒	☐	☐	Section 3
Does the REF assess any works required to provide necessary services and utilities and conclude that these would not have significant environmental affects?	☐	☒	☐	QPRC will undertake an assessment of the water and sewer mains and provide the notice of requirements in the next phase of design.
If on site water treatment is required, does the REF include an on-site wastewater management plan / land capability assessment that concludes that the site would be capable of accommodating wastewater without significant affects on the environment?	☐	☐	☒	Authority sewer mains are currently available at the site.

3 EXISTING SERVICES INFRASTRUCTURE

A desktop study of Before You Dig Australia (BYDA) and the detailed survey undertaken by CMS Surveyors was conducted for the proposed new high school site and the surrounding area. The following outlines the existing services and infrastructure around the site, providing context for the proposed activity servicing strategy.

3.1 WATER

The detailed survey undertaken by CMS surveyors indicates that 150 mm potable and recycled water mains are located on the Northwestern side of Glenrock Drive and available for the site's potable and fire water connections. Existing potable water and recycled water connections are capped off at the site boundary, as shown in the part plan, **Figure 2**.

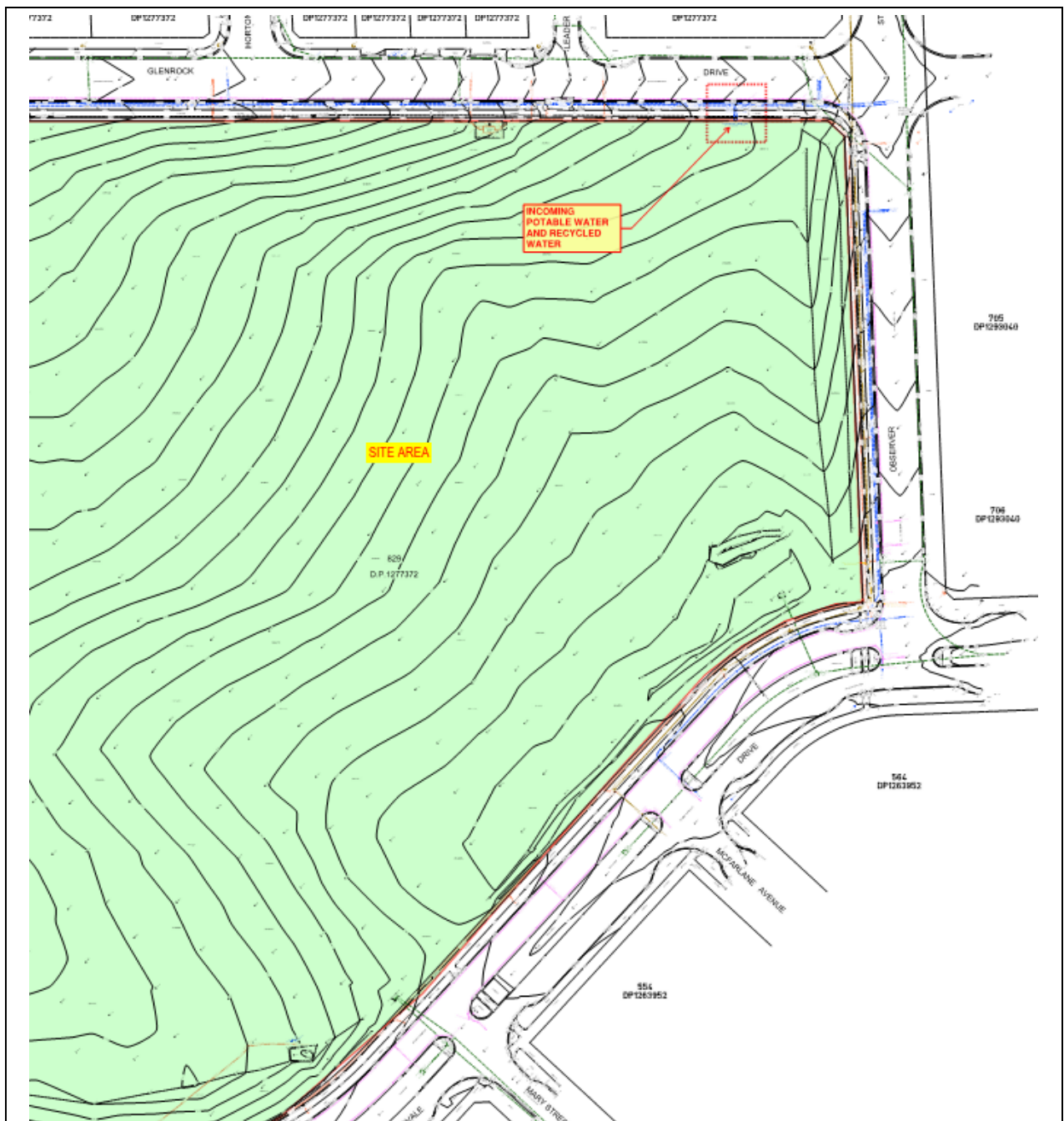


Figure 1 – Detailed Survey by CMS Surveyors - Water



3.2 SEWER

The detailed survey undertaken by CMS surveyors indicates that a 150 mm diameter sewer main is located on the northeastern side of the site on Wellsdale Drive and is available for the site sewer connection. An existing sewer connection is capped off at the site boundary for connection, as shown in the part plan, **Figure 4**.

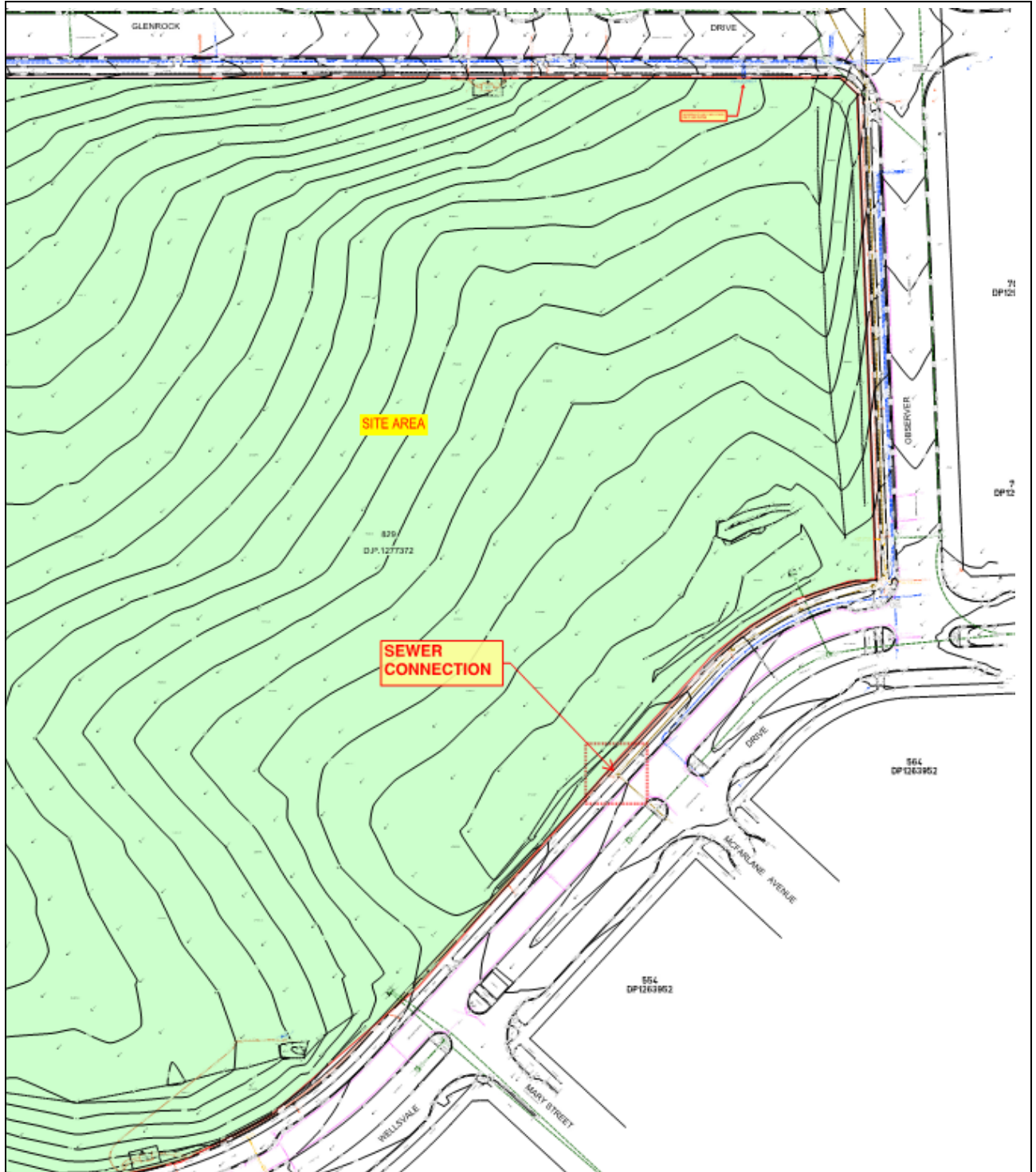


Figure 3 – Detailed Survey by CMS Surveyors – Sewer (Part Plan)

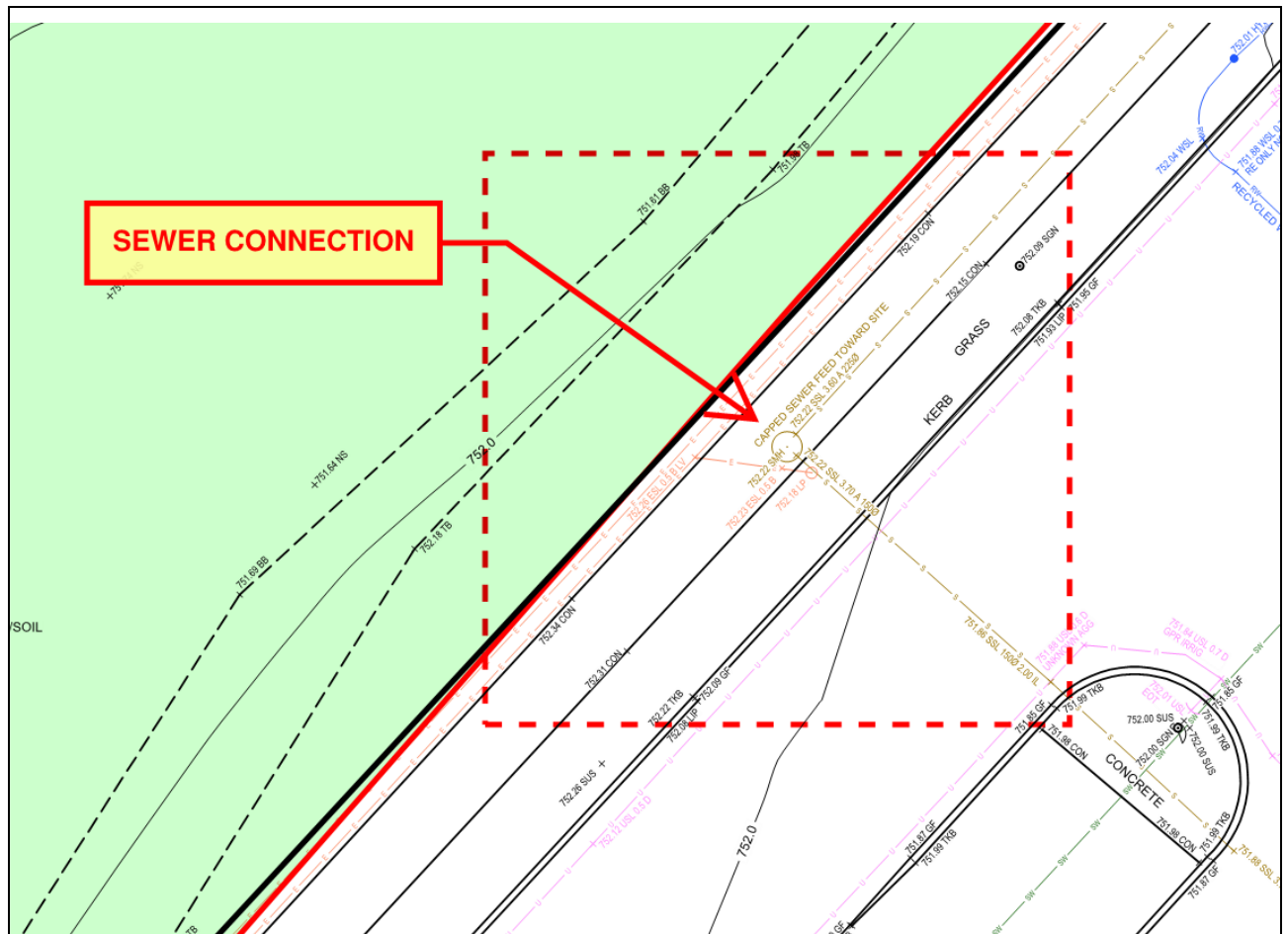


Figure 4 – Detailed Survey by CMS Surveyors – Sewer (Part Plan)

4 PROPOSED INFRASTRUCTURE

4.1 WATER

The current water mains in Glenrock Drive are expected to be able to support the water demand for the proposed new high school. A Section 68 application to QPRC will be required in the next design phase.

The proposed water infrastructure consists of:

- Domestic cold water connection 100mm diameter pipe with an authority water meter.
- Fire hydrant system water connection 150mm diameter pipe.
- Domestic cold water pumps for boosting the water pressure within the site.
- Connection to recycled 100mm diameter pipe with an authority water meter.

Refer to Appendix A – Hydraulic site plan for the water connections and reticulation strategy.

4.2 SEWER

The current sewer mains in Wellsvale Road are expected to be able to support the sewer demand for the proposed new high school. A Section 68 application to QPRC will be required in the next design phase.

The proposed sewer infrastructure consists of:

- Gravity sewer mains serving all buildings up to 150mm diameter.
- Sewer access chambers located on main lines and at changes of direction.
- Trade waste grease arrestor serving trade waste drainage from kitchens.
- Dilutions pit serving science lab trade waste drainage.

Refer to Appendix A – Hydraulic site plan for the sewer connection and reticulation strategy.

5 ENVIRONMENTAL CONSIDERATIONS

5.1 ENVIRONMENTAL IMPACT

- Trenching for underground water and drainage services could disturb soil and vegetation.
- Noise from construction activities may temporarily affect surrounding areas.
- Visual impact from above-ground installations such as fire hydrant booster assembly, water meters and services plant rooms.

5.2 MITIGATION MEASURES FOR ENVIRONMENTAL IMPACTS

5.2.1 Trenching for underground water and drainage services

Soil disturbance mitigation:

- Minimise the trenching area by careful planning of service routes.
- Reuse excavated soil for backfilling to reduce waste.
- Stabilise exposed soil immediately after trenching by applying mulch, planting native vegetation, or using erosion control mats.
- Implement silt barriers and sediment control measures to prevent soil erosion and runoff into nearby water bodies.

Vegetation protection:

- Conduct a vegetation survey before trenching to identify and avoid significant or rare plant species.
- Transplant salvaged vegetation where feasible.
- Replant native species post-construction to restore disturbed areas.

5.2.2 Noise from Construction Activities

Mitigation measures:

- Restrict noisy activities to standard working hours to reduce disturbance to nearby residents.
- Use noise barriers or acoustic screens near sensitive areas.
- Ensure all equipment is well-maintained and fitted with noise-dampening devices, such as mufflers or silencers.
- Notify nearby residents and businesses about high-noise activities and expected duration.

5.2.3 Visual impact from above-ground installations

Design and landscaping:

- Use visually neutral or natural-coloured materials for fire hydrant booster assemblies, water meters, storage tanks, and plant rooms to blend with the surroundings.
- Position above-ground structures to minimise visibility from public spaces and sensitive areas.
- Implement landscaping measures, such as planting trees or shrubs, to screen the installations from view.
- Incorporate aesthetic design elements into above-ground installations to align with the local architectural style.

6 HYDRAULIC INFRASTRUCTURE IMPACTS

Potential disturbance during trenching for new water connections to the authority water mains and road opening.

7 HYDRAULIC INFRASTRUCTURE MITIGATION MEASURES

7.1 TRAFFIC CONTROL AND ROAD OPENING PROTECTION DURING EXTERNAL CONSTRUCTION WORKS

Traffic control and road opening protection are measures implemented to manage vehicular and pedestrian movement around construction zones, ensuring safety and minimising disruptions.

Mitigation Measures:

- **Traffic Management Plan (TMP):** Develop a comprehensive TMP before construction begins. This plan includes alternate routes, detour signs, and detailed layouts of the construction site to reduce congestion.
- **Signage and Barriers:** Place clear and visible warning signs, cones, and barriers to guide drivers and pedestrians safely through or around the construction area. Reflective materials should be used for nighttime visibility.
- **Flaggers and Personnel:** Employ trained personnel to direct traffic during active construction hours, especially in high-risk zones.
- **Phased Construction:** Schedule construction in phases to limit the road sections affected at any given time. This helps maintain partial road functionality.
- **Public Communication:** Notify local communities and commuters about road closures or delays via public announcements, social media, and signage well in advance.
- **Access Points and Safety Zones:** Designate safe pedestrian crossings, maintain emergency access routes, and create buffer zones for workers.

7.2 EROSION CONTROL MEASURES

Erosion control measures prevent soil displacement caused by construction activities, protecting nearby ecosystems, water bodies, and infrastructure.

Mitigation Measures:

- **Silt Fences and Sediment Traps:** Install barriers like silt fences or sediment traps around disturbed soil areas to capture eroded materials before they reach water bodies.
- **Erosion Mats and Blankets:** Use biodegradable mats to stabilise exposed soil on slopes and embankments. These also support vegetation growth.
- **Vegetative Buffers:** Maintain or establish vegetated strips between construction areas and water bodies to filter runoff.
- **Proper Drainage Systems:** Install drainage channels or culverts to manage water flow and direct it away from vulnerable areas.

7.3 RE-VEGETATION MEASURES

Re-vegetation involves restoring plant cover on disturbed soil after construction to stabilise the ground and promote ecological recovery.

Mitigation Measures:

- **Native Plant Species:** Use local, native plant species for re-vegetation to ensure better adaptability, biodiversity restoration, and minimal maintenance needs.
- **Topsoil Replacement:** Reapply stripped topsoil over disturbed areas to provide nutrients essential for plant growth.

- Tree and Shrub Planting: Plant trees and shrubs to Stabilise soil, provide shade, and enhance the landscape's aesthetic value.
- Timing of Planting: Align re-vegetation efforts with favorable growing seasons to maximise survival rates.
- Irrigation and Maintenance: Water the plants regularly and protect them from pests, diseases, and grazing animals during the establishment phase.

8 COMPLIANCE WITH STANDARDS AND REGULATIONS

The design aligns with:

- NCC 2022 and relevant Australian Standards, including AS3500 & AS2419.1
- NSW Department of Education's EFSG 2.0.
- Australian Standards
- QPRC - Local Council – Engineering Standards
- NSW Liquid Trade Waste Guidelines
- Fire and Rescue NSW – Access for Fire Brigade Vehicles and Firefighters

9 STAKEHOLDER CONSULTATION

- BYDA enquiry for QPRC is complete.
- Liaison with QPRC regarding sewer connection and discharge requirements for the site.
- A Section 68 application will be submitted at the next design stage to QPRC to confirm the notice of requirements.
- Coordination of water connections and approvals will commence at the next design stage.

10 CONCLUSION

The hydraulic and fire services proposed for the New High School for Googong have been assessed with careful consideration of environmental, regulatory, and operational factors. Existing infrastructure has been evaluated, and planned enhancements to water and sewer services will adequately support the proposed development while complying with QPRC standards and other regulatory requirements.

Potential environmental impacts, such as soil disturbance, vegetation disruption, noise, and visual effects, have been identified, and mitigation strategies have been outlined to address these issues effectively. The project aligns with relevant standards, including the NCC 2022, Australian Standards, and NSW Department of Education guidelines, ensuring sustainable and safe implementation.

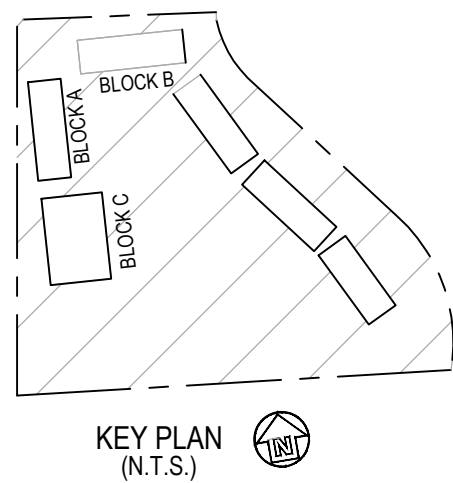
Through diligent planning and stakeholder engagement, this development is well-positioned to meet the community's needs while minimising adverse environmental effects.

11 APPENDIX A – HYDRAULIC SERVICES SITE PLAN

GOOGONG HIGH SCHOOL

200 WELLSVALE DRIVE, GOOGONG NSW 2620

HYDRAULIC SERVICES



LEGEND

ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE	NG	NATURAL GAS
AB	ACCESSIBLE BASIN	NPCW	NON-POTABLE COLD WATER
AC	AIR CONDITIONING	NPHW	NON-POTABLE HOT WATER
AP	ACCESS PANEL	NTS	NOT TO SCALE
ASM	AUTHORITY SEWER MAIN	O/F	OVERFLOW
AWM	AUTHORITY WATER MAIN	OLF	OVERLAND FLOW
AV	AIR RELEASE VALVE	ORG	OVERFLOW RELIEF GULLY
AWC	ACCESSIBLE TOILET (WATER CLOSET)	P	PENETRATION
B	BASIN	PAA	PRACTICAL ACTIVITY AREA
B/CWU	BOILING/CHILLED WATER UNIT	PAT	PRACTICAL ACTIVITY TROUGH
BFW	BUNDED FLOOR WASTE	PCW	POTABLE COLD WATER
BG	BOX GUTTER	PFS	PAN FLUSH SANITISER
BO	BALCONY OUTLET	PFW	PLANTROOM FLOOR WASTE
BT	BOUNDARY TRAP	PHT	PLANTER HOSE TAP
BTFW	BUCKET TRAP FLOOR WASTE	PLRO	PLANTER RAINWATER OUTLET
BTH	BATH	PLV	PRESSURE LIMITING VALVE
BV	BALANCING VALVE	PRO	PARAPET RAINWATER OUTLET
BWU	BOILING WATER UNIT	PRV	PRESSURE REDUCING VALVE
CAC	CIRCULAR ACCESS CHAMBER	RC	REFRIGERATION CABINET
CBO	COMBI OVEN	RCP	REINFORCED CONCRETE PIPE
CC	CIRCULAR COVER	RGB	RECESS GAS BAYONET POINT
CD	CONDENSATE DRAIN	RL	REDUCED LEVEL
CI	CAST IRON	RO	RAINWATER OUTLET
CIC	CAST IN COLUMN	RPZD	REDUCED PRESSURE ZONE DEVICE
CIS	CAST IN SLAB	RS	RISING SHAFT
CO	CLEAR OUT	RST	RECESSED STOP TAP
CS	CLEANERS SINK	RTD	RECESSED TUNDISH
CSO	COMBI STEAMER OVEN	RV	RELIEF VENT
CT	COOK TOP	RW	RAIN WATER
Cu	COPPER	RWH	RAINWATER HEAD
CW	COLD WATER	S	SEWER/SANITARY
DCDV	DOUBLE CHECK DETECTOR VALVE	SD	SEWER DRAINAGE
DCP	DISCHARGE CONTROL PIT	SHR	SHOWER
DF	DRINKING FOUNTAIN	SK	SINK
DFH	DUAL FIRE HYDRANT	SL	SUCTION LINE
DCW	DOMESTIC COLD WATER	SMH	SEWER MANHOLE
DHWF	DOMESTIC HOT WATER FLOW	SMS	SEWER MAINTENANCE SHAFT
DI	DUCTILE IRON	SPR	SPRINKLER SERVICE
DP	DOWN PIPE	SRA	SPRAY RINSE ARM
DRO	DOMED RAINWATER OUTLET	SRM	SEWER RISING MAIN
DST	DRAINAGE STACK	SRO	SQUARE RAINWATER OUTLET
DTU	DRAINAGE TURN-UP	SRZ	STRUCTURAL ROOT ZONE
DW	DISHWASHER	SSD	SUB-SOIL DRAINAGE
DWG	DRAWING	SST	SOIL STACK
e	EXISTING	ST	STOP TAP
EJ	EXPANSION JOINT	SV	STOP VALVE (ISOLATION VALVE)
Ex	EXISTING	STW	STORWATER
FFL	FINISHED FLOOR LEVEL	SWDTU	STORMWATER DRAINAGE TURN-UP
FH	FIRE HYDRANT	SWP	STORMWATER PIT
FHR	FIRE HOSE REEL	SWRM	STORMWATER RISING MAIN
FW	FLOOR WASTE	TD	TUNDISH
GAS	GAS SERVICE	TG	TRENCH GRATE
GBP	GAS BAYONET POINT	TMV	THERMOSTATIC MIXING VALVE
GD	GRATED DRAIN	TOK	TOP OF KERB
GDO	GRATED DRAIN OUTLET	TPZ	TREE PROTECTION ZONE
GFW	GARBAGE FLOOR WASTE	TTD	TRAPPED TUNDISH
GMS	GALVANISED MILD STEEL	TRO	TERRACE RAINWATER OUTLET
GVP	GREASE WSTER VENT PIPE	TV	TEMPERING VALVE
GW	GREASE WASTE	TWCV	TRADE WASTE CHAMBER VENT
GWM	GLASS WASHING MACHINE	TWS	TRADE WASTE STACK
GWS	GREASE WASTE STACK	TWVP	TRADE WASTE VENT PIPE
HDC	HEAVY DUTY COVER	U.N.O.	UNLESS NOTED OTHERWISE
HDG	HEAVY DUTY GRATE	uPVC	UNPLASTICISED POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE	Ur	URINAL
HL	HIGH LEVEL	UV	ULTRAVIOLET
HPF	HEAT PUMP FLOW	UW	UTENSIL WASHING MACHINE
HPR	HEAT PUMP RETURN	VB	VANITY BASIN
HR	HALF ROUND	VFW	VINYL FLOOR WASTE
HT	HOSE TAP	VP	VENT PIPE
HW	HOT WATER	WC	TOILET SUITE (WATER CLOSET)
HWF	HOT WATER FLOW	WM	WASHING MACHINE (CLOTHES)
HWR	HOT WATER RETURN	WP	WASTE PIPE
HWU	HOT WATER UNIT	WST	WASTE STACK
IL	INVERT LEVEL	WT	WASH TROUGH
IM	ICE MACHINE	WW	WARM WATER
IPMF	INDUCT PIPE MICA FLAP	WWF	WARM WATER FLOW
KIP	KERB INLET PIT	WWR	WARM WATER RETURN YG YARD GULLY
KFW	KITCHEN FLOOR WASTE		
KO	KEY OPERATED		
KS	KITCHEN SINK		
LDC	LIGHT DUTY COVER		
LDG	LIGHT DUTY GRATE		
LL	LOW LEVEL		
LO	LOCKED OPEN		
LT	LAUNDRY TUB		
LPG	LIQUIFIED PETROLEUM GAS		
LTG	LONGITUDINAL TRENCH GRATE		

ABBREVIATIONS, SYMBOLS AND LINETYPES IN THE LEGEND MAY NOT APPEAR ELSEWHERE ON THE DRAWINGS. THIS LEGEND SHOULD BE USED AS A GUIDE ONLY

SYMBOLS

	COLD WATER POINT
	HOT WATER POINT
	CONTINUATION SYMBOL (CONTINUATION OF SERVICE NOT SHOWN)
	CAPPED OFF SERVICE
	DROPPER
	RISER
	DIRECTION OF FLOW IN PIPE
	FLANGE CONNECTION
	BALANCING VALVE (STAD)
	TUNDISH
	ISOLATION VALVE
	FLEXIBLE CONNECTION
	PUMP
	METER
	EMS METER
	TEMPERATURE GAUGE
	PRESSURE GAUGE
	THERMOSTATIC MIXING VALVE
	TEMPERING VALVE
	DOUBLE CHECK VALVE
	BACKFLOW PREVENTION DEVICE
	TWO WAY VALVE
	THREE WAY VALVE
	FLOAT VALVE
	AIR RELEASE VALVE
	CHECK VALVE (WATER SERVICE)
	REFLUX VALVE (DRAINAGE) (RV)
	REFLUX VALVE RISES TO SURFACE LEVEL
	FILTER
	VENTED GAS REGULATOR
	ELECTRICAL CONTROL PANEL
	OVERFLOW RELIEF GULLY/YARD GULLY
	SV IN PATH BOX
	GAS REGULATOR
	PRESSURE REDUCING VALVE
	PRESSURE LIMITING VALVE
	SOLENOID VALVE
	STRAINER
	DIRECTIONAL ARROW
	OVERLAND FLOW PATH
	PENETRATION
	DIRECTION OF FLOW SERVICE SIZE
	CONTINUED ON DWG HX

SYMBOLS

	FLOOR WASTE/RAINWATER OUTLET
	GARBAGE FLOOR WASTE
	STORMWATER PIT (WITH COVER)
	STORMWATER PIT (WITH GRATE)
	SQUARE RAINWATER OUTLET
	SEWER MANHOLE (CAC)
	KERB INLET PIT (SINGLE GRATE)
	KERB INLET PIT (DOUBLE GRATE)
	STORMWATER HEADWALL
	SPREADER
	BOUNDARY TRAP
	AIR ADMITTANCE VALVE
	FIRE HOSEREEL
	FIRE HYDRANT
	STANDPIPE FIRE HYDRANT (DFH)
	FIRE HYDRANT BOOSTER ASSEMBLY
	SHADED AREA INDICATES PIPEWORK CAST INTO SLAB

LINETYPES

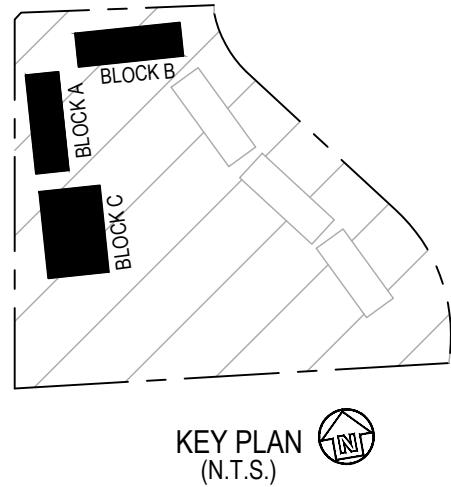
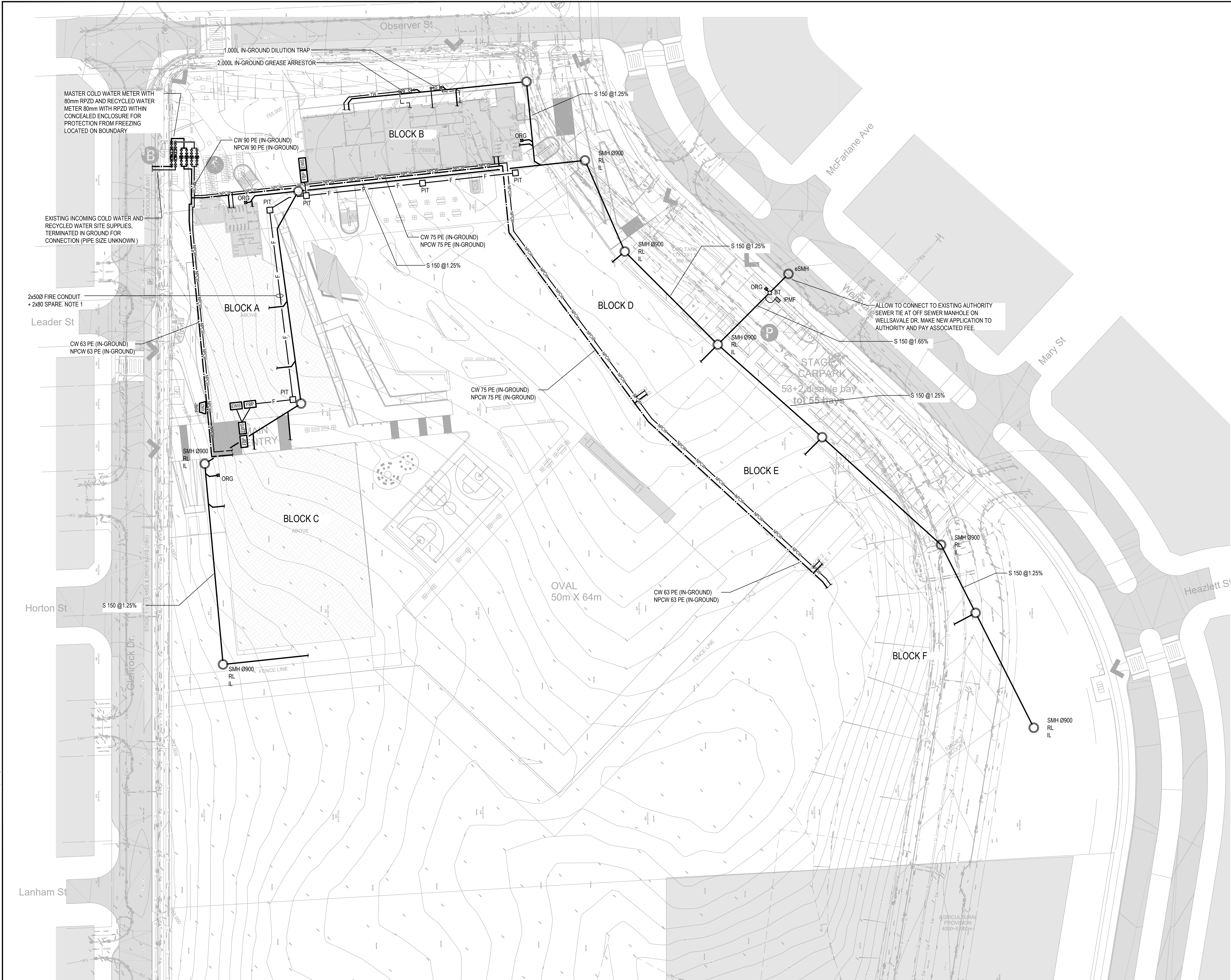
	SEWER DRAINAGE/SANITARY PLUMBING
	VENT PIPE
	SEWER RISING MAIN
	STORMWATER DRAINAGE
	RAIN WATER PIPE (RW)
	STORMWATER RISING MAIN
	STORMWATER OVERFLOW
	GREASE WASTE DRAINAGE
	GREASE WASTE VENT PIPE
	TRADE WASTE DRAINAGE
	TRADE WASTE VENT PIPE
	TRADE WASTE CHAMBER VENT PIPE
	SUBSOIL DRAINAGE
	SUBSOIL RISING MAIN
	COLD WATER SERVICE
	HOT WATER FLOW
	HOT WATER RETURN
	HEAT PUMP FLOW
	HEAT PUMP RETURN
	WARM WATER FLOW
	WARM WATER RETURN
	NON-POTABLE COLD WATER
	NON-POTABLE HOT WATER
	GAS SERVICE
	FIRE HOSE REEL SERVICE
	FIRE HYDRANT SERVICE
	FIRE SPRINKLER SERVICE
	IRRIGATION SERVICE
	RECYCLED WATER
	REVERSE OSMOSIS WATER
	EXHAUST
	ELECTRICAL CONDUIT
	EXISTING SERVICE
	EXISTING SERVICE TO BE REDUNDANT

NOTES

- DRAWINGS ARE DIAGRAMMATIC ONLY. FOR DIMENSIONS AND CONSTRUCTION DETAILS OF BUILDING REFER ARCHITECTURAL DRAWINGS AND SITE.
- PIPEWORK SIZES ARE NOMINAL BORE FOR COPPER AND CAST IRON AND INTERNAL BORE FOR POLYMER BASED PIPEWORK. REFER SPECIFICATION FOR MATERIAL TYPE.
- DRAWINGS ARE TO BE READ IN CONJUNCTIONS WITH HYDRAULIC SERVICES SPECIFICATION, ARCHITECTURAL, STRUCTURAL AND OTHER CONSULTANTS DOCUMENTATION.
- ANY PENETRATIONS TO FIRE RATED ELEMENTS TO BE PROTECTED IN ACCORDANCE WITH AS1530.4-2014 AND AS4072.1-2005.

B	21.01.25	CONCEPT DESIGN TENDER ISSUE
A	15.11.24	SCHEMATIC DESIGN TENDER ISSUE
☒ APPROVED This document is issued for the purpose of the latest revision		
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ARCHITECT		
NBRS +61 2 9922 2344 Nominated Architects: Andrew Duffin NSW 5602 Jonathan West NSW 9899 NBRS & Partners Pty Ltd VIC 51197 nbrs.com.au ABN 16 002 247 565		
 Donnelley Simpson Cleary Consulting Engineers 59 Hill Street, Roseville N.S.W. 2069 Tel 9416 1177 Fax 9416 8251 Email mail@dsc.com.au Mechanical Electrical Hydraulics Lighting Fire Lifts		
PROJECT		
GOOGONG HIGH SCHOOL 200 WELLSVALE DRIVE, GOOGONG NSW 2620		
DRAWING TITLE		
HYDRAULIC SERVICES PROJECT INFORMATION		
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DATE NOV 2024		No IN SET HYD
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NOTES

1. CO-ORDINATE U/GROUND RETICULATION WITH COMMUNICATIONS & POWER SERVICES.

A 15.11.24 SCHEMATIC DESIGN TENDER ISSUE	
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Nominated Architects: Andrew Duffin NSW 5602 Jonathan West NSW 9899 NBR S & Partners Pty Ltd VIC 51197 ABN 16 002 247 565	
Donnelley Simpson Cleary Consulting Engineers 59 Hill Street, Roseville N.S.W. 2069 Tel 9416 1177 Fax 9416 8251 Email mail@dsc.com.au Mechanical Electrical Hydraulics Lighting Fire Lifts	
PROJECT	
GOOGONG HIGH SCHOOL 200 Wellsale Drive, Googong NSW 2620	
NSW Education	
DRAWING TITLE	
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12 APPENDIX B – ARCHITECTURAL SITE PLAN

Issue			
No.	Date	Description	Chkd
2	2025.01.20	ISSUE FOR REF	RS
1	2024.11.20	ISSUE FOR DRAFT REF	RS

Changes to this Revision

Project
24136 - New High school for Googong

at
200 Wellsvale Drive, Googong NSW 2620



Drawing Title
BOUNDARY SITE PLAN

Date 20/01/2025 4:47:33 PM

Scale 1:1000 @ A1

NBRs Project # 24136

Drawing Reference

GGHS-NBRS-ZZ-ZZ-DR-A-000200

sion

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0 10m 20m 30m 40m 50m 60m 70m 80m 1:1000

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