



Construction Soil and Water Management Plan

Darcy Road Public School

Prepared for School Infrastructure NSW / 4 September 2024

221155

Contents

1.0	Background	3
	1.1 Reference Documents	4
2.0	Extent of Works	5
3.0	Access Locations and Traffic Movements within the Worksite	6
4.0	Site Storage and Stockpile Locations	6
5.0	Stormwater and Flooding Flows	6
6.0	Erosion and Sediment Control	6
	Appendix A	8
	Appendix B	10
	Appendix C	14
	Appendix D	16
	Appendix E	19

1.0 Background

This Construction Soil and Water Management Plan (CSWMP) has been prepared to support a State Significant Development Application (SSDA) (ref: SSD-49073460) for the upgrade of the Darcy Road Public School (DRPS). The associated works proposed as part of the SSDA will consist of the following:

- Demolition of all buildings associated with the existing school, except for the existing hall which will be retained and refurbished,
- Construction of a new school comprising two interconnected buildings up to four storeys,
- Construction of new open spaces and landscaping,
- Refurbishment of the existing hall including demolition of existing ancillary features to the eastern side of the building and extension of the hall into the existing covered outdoor learning area, and,
- Extension of the existing car park.

This report has been prepared to satisfy the Draft Consent Condition item B17 (received 22 December 2023) as shown in Table 1 below:

Table 1: Draft Consent Conditions

Draft Consent Condition Item	Document Reference
B17. The Applicant must prepare a Construction Soil and Water Management Plan (CSWPSM) and the plan must address, but not be limited to the following:	-
a. Be prepared by a suitably qualified expert, in consultation with Council;	Refer to Curriculum Vitae (CV) provided in Appendix C and consultation in Appendix E.
b. Measures to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the site;	Refer to Section 3.0 and Erosion and Sediment Control Plans in Appendix B for details.
c. Describe all erosion and sediment controls to be implemented during construction, including as a minimum, measures in accordance with the publication Managing Urban Stormwater: Soils & Construction (4th edition, Landcom 2004) commonly referred to as the 'Blue Book';	Refer to Sections 4.0, 5.0, 6.0 and Erosion and Sediment Control Plans in Appendix B for details.
d. Provide a plan of how all construction works will be managed in a wet-weather event (i.e. storage of equipment, stabilisation of the Site);	Refer to Section 6.0 and Construction Management Plan (CMP) report prepared by Taylor.
e. Detail all off-site flows from the site; and	Refer to Section 5.0 and Erosion and Sediment Control Plans in Appendix B for details.

Draft Consent Condition Item	Document Reference
f. Describe the measures that must be implemented to manage stormwater and flood flows for small and large sized events, including, but not limited to, 1 in 5-year ARI and 1 in 100-year ARI.	Refer to Section 5.0 and Erosion and Sediment Control Plans in Appendix B for details.

1.1 Reference Documents

The following documents have been reviewed and referenced in preparation of this CSWMP:

- City of Parramatta Development Control Plan (DCP) 2011.
- Blue Book – Managing Urban Stormwater Soils and Construction (4th Edition, Landcom NSW) 2004.
- Flood Impact Assessment Report prepared by TTW.
- Construction Environment Management Plan (CEMP) prepared by Taylor.
- Construction Management Plan (CMP) prepared by Taylor.

2.0 Extent of Works

DRPC is located at 98A Darcy Road, Wentworthville within the Parramatta LGA and is legally defined as the following:

- Lots 6-7 in DP 10955,
- Lot 1 in DP 782155,
- Lot A in DP 383734,
- Lot 1 in DP 122893,
- Lot 1 in DP 160134, and,
- Lots 12-16 in DP 16811.
-

The extent of SSDA physical works is limited to the area outlined in Appendix A. The existing hard courts and oval fall outside the extent of the proposed SSDA physical works. Staging of is to be as follows:

1. Stage 1 consists of the construction of a temporary school using demountables and associated infrastructure proposed under a separate planning approval.
2. Stage 2 will consist of Construction of Milestone 1 Permanent School under the SSDA.
3. Stage 3 will consist of Construction of Milestone 2 Permanent School under the SSDA.

Stage 1 works are proposed under a separate planning approval process and so are not required as part of this CSWMP. This report will address construction works associated with Stage 2 and 3 only.

3.0 Access Locations and Traffic Movements within the Worksite

Access to the worksite for the SSDA works is anticipated to be from Darcy Road for Stage 2 and Oliver Street for Stage 3. Refer to the CMP prepared by Taylor for further details. All vehicles will enter and exit the site in a forward direction, with direction of travel shown on the CEMP prepared by Taylor.

4.0 Site Storage and Stockpile Locations

Material storage areas are located within the site as detailed on the CMP prepared by Taylor.

5.0 Stormwater and Flooding Flows

The location of off-site stormwater flow control devices is detailed within the Erosion and Sediment Control Plans in Appendix B. Connections are to be temporary and implemented during the construction stage of the SSDA works for conveyance of construction stormwater runoff. For stage 2, a temporary connection to an existing pit located adjacent to Building B is to be made from the proposed Stage 2 sedimentation basin as outlined in Drawing C-0030 of Appendix B. For Stage 3, a temporary connection to an existing pit located within the existing oval is to be made from the proposed Stage 3 sedimentation basin as outlined in Drawing C-0030 of Appendix B.

The extent of works for stage 2 and 3, as shown in Appendix A, are located outside of the major flood paths for both the 5%AEP and 1% AEP floods of the Toongabbie Creek catchment as outlined in the "Flood Impact Assessment Report" prepared by TTW (dated 2024). The extent of works is only impacted by minor overland flows, which are to be conveyed via grading and catch drains towards the south-east of the site as per existing conditions.

6.0 Erosion and Sediment Control

An erosion and sediment control plan has been prepared for the site to prevent sediment laden stormwater from flowing into adjoining properties or receiving water bodies. Stormwater controls are detailed in the attached erosion and sediment control plans provided in Appendix B. These have been prepared with reference to Parramatta City Council's Development Control Plan and Landcom NSW's Managing Urban Stormwater, Soils and Construction (Blue Book).

A sedimentation basin for each development stage has been provided in accordance with Landcom NSW's Managing Urban Stormwater, Soils and Construction (Blue Book) as detailed in Appendix B. Additional measures to be implemented to manage stormwater during minor and larger storm events include catch drains, hay bale sediment filters, geotextile pit filters, silt fences and sandbag sediment traps.

During wet weather events, equipment is to be moved into storage located within the site to be kept dry during the duration of the event. Equipment (including heavy machinery) are to be maintained as per their guidelines/manuals. Loose earthworks are to be stockpiled in allocated stockpiles as shown on plans excavation staging drawings TCG-SK-010.6 and TCG-SK-010.8 by Taylor Construction Group. For site stabilisation, sediment and erosion control measures are to be kept in place as per Erosion and Sediment Control Plans by TTW (refer to Appendix B). Refer to the CMP prepared by Taylor for additional details.

Prepared by
TAYLOR THOMSON WHITTING (NSW) PTY LTD
in its capacity as trustee for the
TAYLOR THOMSON WHITTING NSW TRUST



MITCHELL LEIGHTON
Engineer



CHRISTOPHER GENTILE
Senior Engineer

Authorised By
TAYLOR THOMSON WHITTING (NSW) PTY LTD
in its capacity as trustee for the
TAYLOR THOMSON WHITTING NSW TRUST



GRACE CARPP
Associate

Appendix A

Site Plan and Extent of SSDA Physical Works

- P** CAR PARKS
C VEHICLE ACCESS
G PEDESTRIAN ACCESS
— PROPERTY BOUNDARY LINE
- - - SSDA BOUNDARY LINE
- - EX. FENCE LINE
- . - PROPOSED FENCE LINE
 RELOCATING / REMOVING DEMOUNTABLES
 DEMOLISHED BUILDING / STRUCTURE
 DEMOLISHED PAVEMENT, STAIRS & GARDEN BEDS
 BUILDINGS / DEMOUNTABLES TO BE RETAINED
 SEWER LINE
 SEWER MANHOLE
FDR0 3 GRATED DRAINS. REFER TO CIVIL & HYDRAULIC ENG. DRAWINGS FOR DETAILS
- REFER TO LANDSCAPE & CIVIL DRAWINGS & SPECIFICATION FOR SITE RELATED DETAILS INCLUDING FENCING, RETAINING WALLS, WALL KIOSKS, RAMPS, STAIRS & OTHER LANDSCAPE DETAILS.
 - ALL WORKS MAY NOT HAVE A CONSISTENT COLOUR CODE. 1-4 = ALL FENCING & GATES TO BE COMPLIANT WITH EFGS REQUIREMENTS. FOR ADDITIONAL INFORMATION PLEASE REFER TO SINSW SECURITY DESIGN BRIEF.

ELECTRICAL
PRO ELECTRICAL
 7/278 New Line Road, Dural NSW Australia 2158
 +61 2 86513455
 grant.c@pronetwork.com.au

MECHANICAL
ICR Air Conditioning
 Amir Tambirchi
 Unit 12, 175 Briebs Road NORTHMEAD NSW 2152
 +61 2 89901788
 amir@icrair.com.au

HYDRAULIC
Hitech Plumbing + Inline Hydraulic
 Ben Bradley, Paul McDonald
 Unit 42 & 43, 45-47 Green St, Banksmeadow, NSW 2019
 PM: 0473 392 909
 paul@linhydrus.com.au

LANDSCAPE ARCHITECT
URBIS
 Level 8, Angel Place, 123 Pitt Street, NSW 2000
 +61 2 82337637
 yvu@urbis.com.au

STRUCTURE/CIVIL
TTW
 Hung Nguyen
 Level 6, 73 Miller Street, NSW 2060
 +61 2 9439 7288
 hung.nguyen@ttw.com.au

ARCHITECTURE
NBRs
 John Vasco
 4 Glen Street, Milsons Point NSW Australia 2061
 +61 2 9922 2344
 john.vasco@nbrs.com.au

BUILDER
TAYLOR CONSTRUCTION GROUP
 Katherine Morris
 Level 16, 100 Pacific Highway, NSW 2060
 +61 2 87369000
 katherineb@taylorau.com.au

Issue	Date	Description	Chkd
9	07/11/2023	Issue for Coordination	JV
10	21/11/2023	Issue for Coordination	JV
11	01/12/2023	90% DD Issue	JV
12	08/02/2024	PRELIMINARY CC1 ISSUE	JV
13	14/02/2024	Issue for Coordination	JV

Changes to this Revision

90% DD

+61 2 9922 2344
 Nominated Architect:
 Andrew Duffin NSW 5602
 NBRs & Partners Pty Ltd VIC 51197

Project
 Darcy Road Public School

at
 98a Darcy Rd, Wentworthville NSW 2145

for
 Taylor Construction + SINSW

Drawing Title
 PROPOSED SITE PLAN

Date 14/02/2024 9:32:56 PM
 Scale 1:500 @ A1

Drawing Reference
 DRPS-NBRs-ZZ-XX-DR-A-0200
 Revision 13

Autodesk Docs:Darcy Road PS (P180902)DRPS-NBRs-ZZ-M3-A-0001.nsf
 Any form of replication of this drawing in full or in part without the written permission of NBRs+PARTNERS Pty Ltd constitutes an infringement of the copyright.
 © 2023

Appendix B

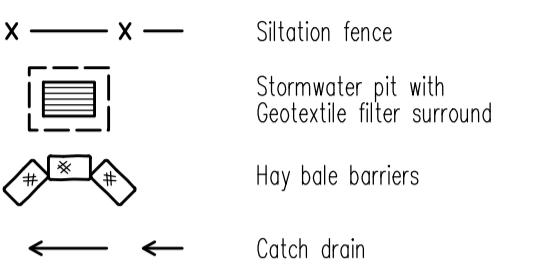
Erosion and Sediment Control Plans

GENERAL LEGEND

	Site boundary
	Stage 2 extent of SSDA physical works
	Stage 3 extent of SSDA physical works

REFER TO DRG DRPS-TTW-CV-02 FOR OVERALL GENERAL LEGENDS

EROSION AND SEDIMENT CONTROL LEGEND



NOTE:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH NOTES ON DRAWINGS DRPS-TTW-ZZ-GF-DR-C-0031 AND DRPS-TTW-ZZ-GF-DR-C-0032.
2. STAGE 2 SEDIMENT BASIN SETTLING VOLUME CAN BE REDUCED FOLLOWING THE COMPLETION OF BUILDING B SLAB - 136m³.
3. INGROUND ON-SITE DETENTION TANK (OSD), AS DOCUMENTED ON DRAWING DRPS-TTW-ZZ-GF-DR-C-0054, IS 'OSD PLANT DETAILS' (REF: DRAWING DRPS-TTW-ZZ-GF-DR-C-0054) CAN BE USED AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION OF STAGE 2 EARTHWORKS, WITH THE FOLLOWING CONDITIONS:
 - 3.1. INLET PIPES ARE NOT TO BE CONNECTED WHILE BEING USED AS A SEDIMENT BASIN. I.E. OSD TANK CANNOT BE USED FOR STORMWATER STORAGE AND FLOW REDUCTION. OSD TANK IS TO CEASE TO BE USED AS A SEDIMENT BASIN ONCE INLET DRAINAGE IS CONNECTED (INC. FROM ROOFS AND RAINWATER INLET TANKS) AND RESTORED TO NORMAL OSD OPERATION (AS PER DRAWING DRPS-TTW-ZZ-GF-DR-C-0054).
 - 3.2. ALL WATER QUALITY DEVICES (INCL. STORM FILTERS) ARE TO BE REMOVED FROM THE OSD TANK. FOR THE DURATION IT IS USED AS A SEDIMENT BASIN, WATER QUALITY DEVICES ARE TO BE INSTALLED ONLY AFTER TANK HAS CEASED OPERATION AS A SEDIMENT BASIN AND AFTER BEING RESTORED TO NORMAL OSD OPERATION (AS PER DRAWING DRPS-TTW-ZZ-GF-DR-C-0054).
 - 3.3. ORIFICE OUTLETS (AT CTR RLS 23.8 AND 24.28) ARE TO BE BLOCKED FOR DURATION OF USE AS A SEDIMENT BASIN, ORIFICE OUTLETS TO BE UNBLOCKED WHEN OSD TANK INLET PIPES ARE CONNECTED AND RESTORED TO NORMAL OPERATION (AS PER DRAWING DRPS-TTW-ZZ-GF-DR-C-0054).
 - 3.4. THE OVERFLOW RLS 20.0 OPENING (AS DOCUMENTED ON DRAWING DRPS-TTW-ZZ-GF-DR-C-0054) IS TO REMOVE CLEAR OF ALL DEBRIS AND BLOCKAGES.
 - 3.5. SURFACE RUNOFF IS TO BE REDIRECTED FROM THE SEDIMENT BASIN TO TANK'S INLET GRATES VIA EARTH SWALES AS DETAILED ON DRAWING DRPS-TTW-ZZ-GF-DR-C-0054. SURFACE RUNOFF IS TO BE DIRECTED INTO WATER QUALITY CHAMBER (ATLANTIC STORM FILTER CHAMBER, AS SHOWN ON DRAWING DRPS-TTW-ZZ-GF-DR-C-0054).
 - 3.6. WATER IS TO BE PUMPED OUT OF THE TANK PERIODICALLY AND FOLLOWING STORM EVENTS.
 - 3.7. ALL SEDIMENT DEPOSITS ARE TO BE REMOVED FROM TANK PERIODICALLY AND FOLLOWING STORM EVENTS. ALL SEDIMENT AND DEBRIS ARE TO BE REMOVED FROM THE TANK PRIOR TO BEING RESTORED TO NORMAL OSD OPERATIONS (AS PER DRAWING DRPS-TTW-ZZ-GF-DR-C-0054).
 - 3.8. ANY DAMAGE TO OSD TANK IS TO BE REPAIRED, AS PER DRAWING DRPS-TTW-ZZ-GF-DR-C-0054.
 - 3.9. STAGE 2 ABOVE GROUND SEDIMENT BASIN VOLUME CAN BE REDUCED (OR REMOVED) PROVIDED THE OSD TANK ACHIEVES THE MINIMUM BASIN SETTLING VOLUME REQUIREMENTS, AS NOTED ON THIS PAGE.

THIS DRAWING HAS BEEN PREPARED USING COLOUR

FOR CONSTRUCTION

6	ISSUE FOR 90% DD	CG	AW	4/12/23	12	AMENDED STG 2 SEDIMENT BASIN DETAILS	CG	AW	5/07/24
5	ISSUE FOR 50% DD	SF	AW	07/09/23	11	ISSUE FOR CONSTRUCTION	CG	AW	16/04/24
4	SCHEMATIC DESIGN – TENDER ISSUE	SF	JH	28/04/23	10	MINOR AMENDMENTS	CG	AW	27/03/24
3	SCHEMATIC DESIGN – TENDER ISSUE	SF	JH	24/11/22	9	ISSUE FOR CROWN CERTIFICATE	CG	AW	8/03/24
2	SCHEMATIC DESIGN – TENDER ISSUE	SF	JH	22/11/22	8	AMENDED LANDSCAPE AND STORMWATER	CG	AW	15/02/24
1	ISSUE FOR INFORMATION	SF	JH	07/10/22	7	MINOR AMENDMENTS	CG	AW	18/01/24
	Rev Description	Eng	Draft	Date	Rev Description	Eng	Draft	Date	Rev Description

Client	Architect	Builder	Engineer	Project	Sheet Subject	Scale: A1	Drawn	Authorised
	NBRS	TAYLOR		DARCY ROAD PUBLIC SCHOOL	EROSION AND SEDIMENT CONTROL PLAN	1:400	AW	VC

EROSION AND SEDIMENT CONTROL NOTES

- 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").
- 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.
- Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.
- When stormwater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits.
- Minimize the area of site being disturbed at any one time.
- Protect all stockpiles of materials from soil and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
- 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.
- Control water from upstream of the site such that it does not enter the disturbed site.
- All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
- All vehicles leaving the site shall be cleaned and inspected before leaving.
- Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each storm event.
- Clean out all erosion and sediment control devices after each storm event.

Sequence Of Works

- Prior to commencement of excavation the following soil management devices must be installed.
 - Construct silt fences below the site and across all potential runoff sites.
 - Construct temporary construction entry/exit and divert runoff to suitable control systems.
 - Construct measures to divert upstream flows into existing stormwater system.
 - Construct sedimentation traps/basin including outlet control and overflow.
 - Construct turf lined swales.
 - Provide sandbag sediment traps upstream of existing pits.
- Construct geotextile filter pit surround around all proposed pits as they are constructed.
- On completion of pavement provide sand bag kerb inlet sediment traps around pits.
- 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 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 gauze 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 hole ball 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.

THIS DRAWING HAS BEEN PREPARED USING COLOUR

FOR CONSTRUCTION

6	ISSUE FOR CROWN CERTIFICATE	CG	AW	8.03.24					
5	AMENDED LANDSCAPE AND STORMWATER	CG	AW	15.02.24					
4	ISSUE FOR 90% DD	CG	AW	4.12.23					
3	ISSUE FOR 50% DD	SF	AW	07.09.23					
2	SCHEMATIC DESIGN - TENDER ISSUE	SF	JH	22.11.22					
1	ISSUE FOR INFORMATION	SF	JH	07.10.22	7	ISSUE FOR CONSTRUCTION	CG	AW 16.04.24	
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date

EROSION AND SEDIMENT CONTROL NOTES

- All work shall be generally carried out in accordance with
 - (A) Local authority requirements,
 - (B) EPA - Pollution control manual for urban stormwater,
 - (C) LANDCON NSW - Managing Urban Stormwater: Soils and Construction ("Blue Book")
- 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.
- Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.
- When stormwater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits.
- Minimize the area of site being disturbed at any one time.
- Protect all stockpiles of materials from soil and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
- 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 conditions.
- Control water from upstream of the site such that it does not enter the disturbed site.
- All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
- All vehicles leaving the site shall be cleaned and inspected before leaving.
- Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each storm event.
- Clean up all erosion and sediment control devices after each storm event.

Sequence Of Works

- Prior to commencement of excavation the following soil management devices must be installed.
 - Construct silt fences below the site and across all potential runoff sites.
 - Construct temporary construction entry/exit and divert runoff to suitable control systems.
 - Construct measure to divert upstream flows into existing stormwater system.
 - Construct sedimentation traps/basin including outlet control and overflow.
 - Construct turf lined swales.
 - Provide sandbag sediment traps upstream of existing pits.
 - Construct geotextile filter pit surround around all proposed pits as they are constructed.
 - On completion of pavement provide sand bag kerb inlet sediment traps around pits.
 - 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 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 gauze 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 hole ball 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.

THIS DRAWING HAS BEEN PREPARED USING COLOUR

FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
5	ISSUE FOR CONSTRUCTION	CG	AW	16.04.24					
4	ISSUE FOR CROWN CERTIFICATE	CG	AW	8.03.24					
3	AMENDED LANDSCAPE AND STORMWATER	CG	AW	15.02.24					
2	MINOR AMENDMENTS	CG	AW	18.01.24					
1	ISSUE FOR 90% DD	CG	AW	4.12.23					

Rev Description Eng Draft Date Rev Description Eng Draft Date

Client	Architect	Builder	Engineer	Project	Sheet Subject
 NBRS		TAYLOR	TTW Structural Civil Traffic Façade 612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060	DARCY ROAD PUBLIC SCHOOL Job No 221155	EROSION AND SEDIMENT CONTROL DETAILS SHEET 2

Scale : A1	Drawn	Authorised
AS SHWON	JH	VC
Drawing No		Revision
DRPS-TTW-ZZ-GF-DR-C-0032		5

File Name: DRPS-TTW-ZZ-GF-DR-C-0032.dwg - User: igw - File Created: Apr 16, 2024 - 2:03pm

Appendix C

Curriculum Vitae (CV)



Christopher Gentile

Senior Civil Engineer

B. Eng (Civil), D. Eng Prac

christopher.gentile@ttw.com.au

Experience

2023 – Current
Senior Civil Engineer, TTW

2021 – 2023
Senior Civil Engineer, Martens & Associates

2015 – 2021
Civil Engineer, Martens & Associates

Christopher is a highly motivated and ambitious civil engineer with 10 years experience working in Australia.

Christopher has worked on a diverse range of projects including road corridors, residential subdivisions, commercial developments and remediation projects. He has worked on various projects in these fields from conception to completion.

Christopher has diverse experience in various fields of Civil Engineering including, road design, stormwater pit and pipe design, on-site detention design and modelling, water quality modelling and design, flood modelling and mitigation design, flood evacuation risk assessment, and traffic impact assessments. He has proficiency in various engineering tools including 12D model, DRAINS, MUSIC, SIDRA, Tuflow, AutoCAD, AutoTURN

Mixed Development

518A Old South Head Road, Rose Bay NSW – Carpark and vehicle access design.

4 Hill Road, West Pennant Hills NSW – Carpark design, vehicle access design, traffic and safety assessment.

Residential

37 Railway Road, Quakers Hill NSW. – Flood impact modelling and assessment.

34-44 Kent Street, Epping NSW. – Stormwater modelling and design.

10-14 Hazelwood Place, Epping NSW. Second Avenue, Eastwood NSW. – Stormwater modelling and design.

Subdivision

Alma Den Way, Tahmoor NSW. – Stormwater modelling and design.

Fothergill Place, Tahmoor NSW. – Roadworks and earthworks design.

Long Gully Road, Singleton NSW. – Road corridor design.

Curves Drive, Manyana NSW. – Roadworks and earthworks design.

10 Boundary Road, Tallawong NSW. – Stormwater modelling and design.

53 Boundary Road, Tallawong NSW – Roadworks and earthworks design. Stormwater modelling and design.

127 Boundary Road, Tallawong NSW – Stormwater modelling and design.

Healthcare + Aged Care Centre

Rockford Road, Tahmoor NSW. – Internal and public domain roadworks and earthworks design.

Traffic impact assessment.

Vincent's Road, Kurrajong NSW. – Internal roadworks and earthworks design.

Infrastructure + Data Centre

Velgrove Avenue, Parkwood, WA. – Vehicle access design.

Office + Commercial

752 George Street, South Windsor NSW – Vehicle access design works

221 Bringelly Road, Leppington NSW. – Carpark and vehicle access design.

13 Gongola Road, North Narrabeen NSW – Flood Evacuation Risk Assessment

Education

Leppington Anglican College NSW. – Stormwater modelling and design. Internal roadworks, carpark and earthworks design.

St Narsai College, Horsley Park NSW. – Internal roadworks, carpark and earthworks design.

St Annan Christian School NSW. – Carpark and stormwater design.

Appendix D

Excavation Staging Drawings (Taylor)

EXCAVATION

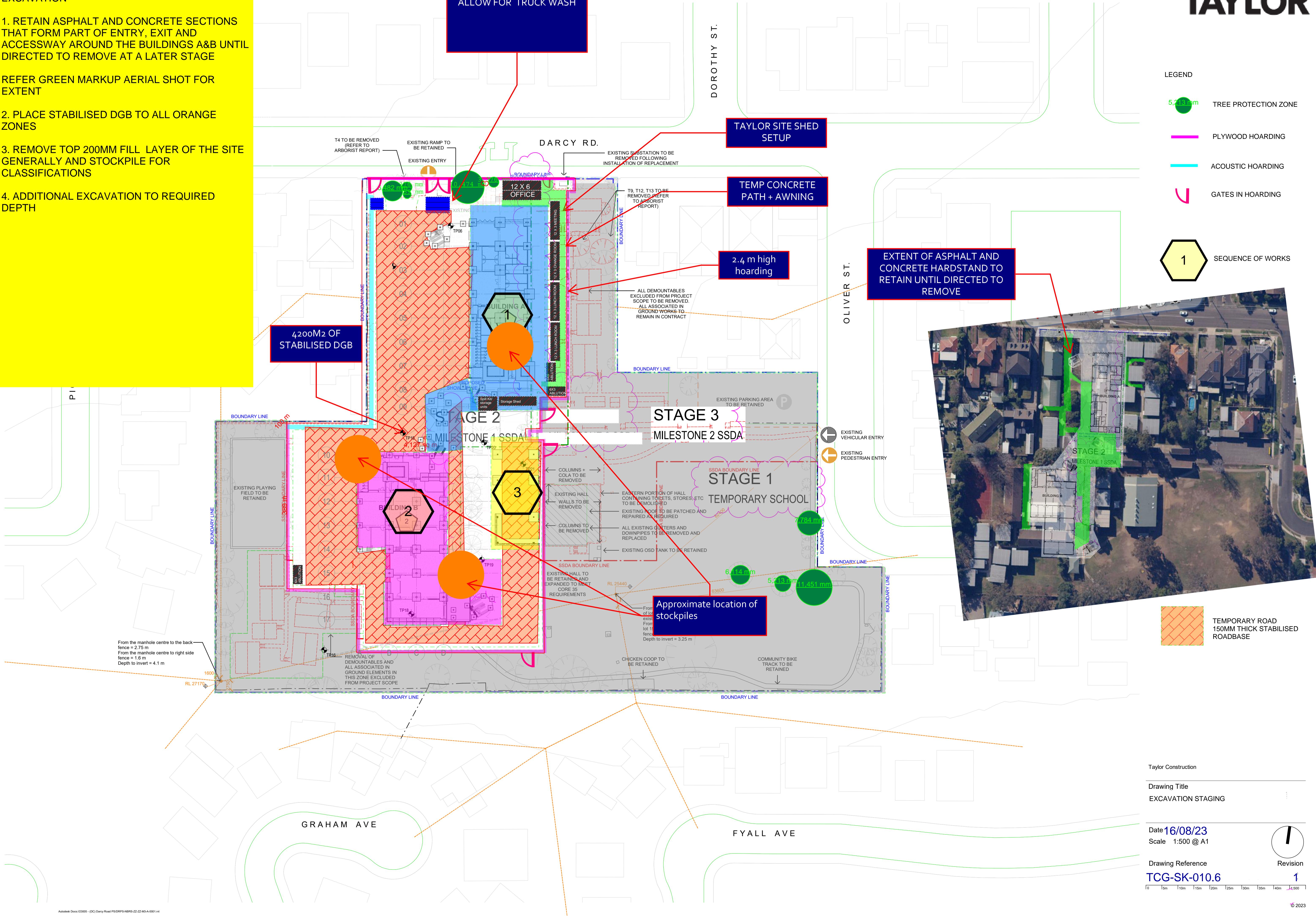
1. RETAIN ASPHALT AND CONCRETE SECTIONS THAT FORM PART OF ENTRY, EXIT AND ACCESSWAY AROUND THE BUILDINGS A&B UNTIL DIRECTED TO REMOVE AT A LATER STAGE

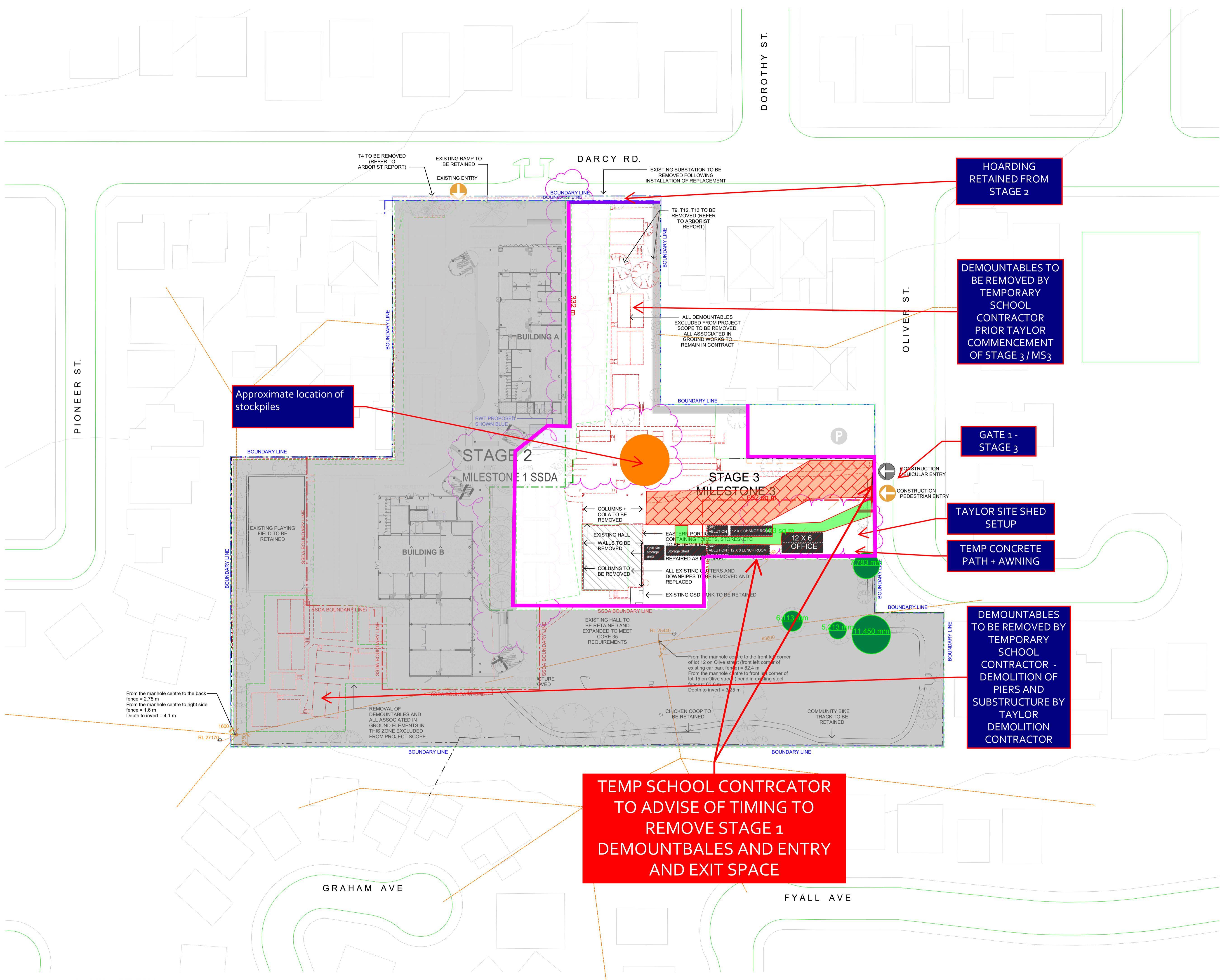
REFER GREEN MARKUP AERIAL SHOT FOR EXTENT

2. PLACE STABILISED DGB TO ALL ORANGE ZONES

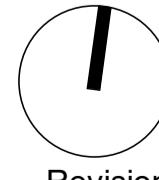
3. REMOVE TOP 200MM FILL LAYER OF THE SITE GENERALLY AND STOCKPILE FOR CLASSIFICATIONS

4. ADDITIONAL EXCAVATION TO REQUIRED DEPTH





Taylor Construction

Drawing Title
STAGE 3 / MS3 - HALL AND COLADate 16/08/23
Scale 1:500 @ A1Drawing Reference
TCG-SK-010.8

1

2023

Appendix E

Consultation

Kemal Ozsayin

From: Pete Krause <Pete.Krause@det.nsw.edu.au>
Sent: Tuesday, 26 March 2024 8:15 AM
To: Mark Albert; council@cityofparramatta.nsw.gov.au
Cc: Kemal Ozsayin; Greg Smith (Greg Smith)
Subject: RE: Darcy Road Public School SSD-49073460-B17 - Construction Soil and Water Management Sub-Plan (CSWMSP) [Response Required 05/02/2024]
Attachments: RE: Darcy Road Public School SSD-49073460-B17 - Construction Soil and Water Management Sub-Plan (CSWMSP) [Response Required 05/02/2024]

Hi again,

Just following up to confirm Council will review & respond by the 28th March per the below correspondence, follow ups & reattached?

Should no response be received, SINSW will assume the required consultation efforts under approved SSD-49073460 as complete.

Regards, Pete

Pete Krause

Senior Project Director | Infrastructure Delivery
M 0422 803 555 | E pete.krause@det.nsw.edu.au | education.nsw.gov.au

Follow us

Twitter: [@NSWEducation](#)

Facebook: [@NSWDepartmentofEducation](#)

YouTube: [NSWDepartmentofEducation](#)

Instagram: [@NSWEducation](#)



We acknowledge the traditional custodians of the land and pay our respects to Elders past and present. We also acknowledge all the Aboriginal and Torres Strait Islander staff working within the Department of Education at this time.

Confidentiality: This email is from the NSW Department of Education. The contents are confidential and may be protected by legal privilege. The contents are intended only for the named recipient of this email. If the reader of this email is not the intended recipient you are hereby notified that any use, reproduction, disclosure or distribution of the information contained in the email is prohibited. If you have received this email in error, please reply to us immediately and delete the document.

From: Pete Krause <Pete.Krause@det.nsw.edu.au>
Sent: Wednesday, March 20, 2024 10:17 AM
To: Mark Albert <Mark.Albert3@det.nsw.edu.au>; council@cityofparramatta.nsw.gov.au
Cc: Kemal Ozsayin <kemal.ozsayin@rpinfrastructure.com.au>; Greg Smith (Greg Smith) <Gregory.Smith174@det.nsw.edu.au>
Subject: RE: Darcy Road Public School SSD-49073460-B17 - Construction Soil and Water Management Sub-Plan (CSWMSP) [Response Required 05/02/2024]

Hi there,

Just following up on the below correspondence, as Mark Albert has now left SINSW & a response has not yet been received to either Kemal or myself (originally cc'd).

The Construction Soil and Water Management Sub-Plan is re-attached.

We look forward to Councils response by no later than 28th March 2024.

Cheers, Pete

Pete Krause

Senior Project Director | Infrastructure Delivery
M 0422 803 555 | E pete.krause@det.nsw.edu.au | education.nsw.gov.au

Follow us

Twitter: [@NSWEducation](#)

Facebook: [@NSWDepartmentofEducation](#)

YouTube: [NSWDepartmentofEducation](#)

Instagram: [@NSWEducation](#)



We acknowledge the traditional custodians of the land and pay our respects to Elders past and present. We also acknowledge all the Aboriginal and Torres Strait Islander staff working within the Department of Education at this time.

Confidentiality: This email is from the NSW Department of Education. The contents are confidential and may be protected by legal professional privilege. The contents are intended only for the named recipient of this email. If the reader of this email is not the intended recipient you are hereby notified that any use, reproduction, disclosure or distribution of the information contained in the email is prohibited. If you have received this email in error, please reply to us immediately and delete the document.

From: Mark Albert <Mark.Albert3@det.nsw.edu.au>

Sent: Monday, February 5, 2024 12:18 PM

To: council@cityofparramatta.nsw.gov.au

Cc: Kemal Ozsayin <kemal.ozsayin@rpinfrastructure.com.au>; Pete Krause <Pete.Krause@det.nsw.edu.au>

Subject: RE: Darcy Road Public School SSD-49073460-B17 - Construction Soil and Water Management Sub-Plan (CSWMSP) [Response Required 05/02/2024]

Hi,

I just wanted to follow up on the below and highlight that we hope to receive any subsequent comments by COB today.

Regards,

Mark Albert

Project Director | Infrastructure Delivery | School Infrastructure NSW

0477 081 709 | mark.albert3@det.nsw.edu.au | education.nsw.gov.au

Follow us

Twitter: [@NSWEducation](#)

Facebook: [@NSWDepartmentofEducation](#)

YouTube: [NSWDepartmentofEducation](#)

Instagram: [@NSWEducation](#)

From: Mark Albert <Mark.Albert3@det.nsw.edu.au>

Sent: Monday, January 29, 2024 2:17 PM

To: council@cityofparramatta.nsw.gov.au

Cc: Kemal Ozsayin <kemal.ozsayin@rpinfrastructure.com.au>; Pete Krause <Pete.Krause@det.nsw.edu.au>

Subject: Darcy Road Public School SSD-49073460-B17 - Construction Soil and Water Management Sub-Plan (CSWMSP) [Response Required 05/02/2024]

Hello,

Please find attached Cover Letter and associated draft Construction Soil and Water Management Sub-Plan (CSWMSP) in relation to the Darcy Road Public School Upgrade (SSD-49073460).

We request that City of Parramatta review the CSWMSP and provide any comments you may have in relation to the requirements noted in Condition B17 (refer to attached Cover Letter).

Please provide your comments by 05/02/2024.

Mark Albert

Project Director | Infrastructure Delivery | School Infrastructure NSW

0477 081 709 | mark.albert3@det.nsw.edu.au | education.nsw.gov.au

Follow us

Twitter: [@NSWEducation](#)

Facebook: [@NSWDepartmentofEducation](#)

YouTube: [NSWDepartmentofEducation](#)

Instagram: [@NSWEducation](#)



Education

I acknowledge the homelands of all Aboriginal people and pay my respect to Country.

Confidentiality: This email is from the NSW Department of Education. The contents are confidential and may be protected by legal professional privilege. The contents are intended only for the named recipient of this email. If the reader of this email is not the intended recipient you are hereby notified that any use, reproduction, disclosure or distribution of the information contained in the email is prohibited. If you have received this email in error, please reply to us immediately and delete the document.

*** This message is intended for the addressee named and may contain privileged information or confidential information or both. If you are not the intended recipient please notify the sender and delete the message. ***