THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01

PYMBLE LADIES COLLEGE
GREY HOUSE PRECINCT (GHP)
CIVIL WORKS

GENERAL NOTES

1. Contractor must verify all dimensions and existing levels on site prior to commencement of works. Any discrepancies to be reported to the Engineer.
2. Strip all topsoil from the construction area. All stripped topsoil shall be disposed of off-site unless directed otherwise.
3. Make smooth connection with all existing works.
4. Compact subgrade under buildings and pavements to minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1. Compaction under buildings to extend 2m minimum beyond building footprint.
5. All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority, the Contractor is to ensure that the drawings used for construction have been approved by all relevant authorities prior to commencement site.
6. All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority is to be carried out in accordance with the requirements of the relevant Authority. The Contractor shall obtain these requirements from the Authority. Where the requirements of the Authority are different to the drawings and specifications, the requirements of the Authority shall be applicable.
7. For all temporary batters refer to geotechnical recommendations.

REFERENCE DRAWINGS

1. These drawings have been based from, and to be read in conjunction with the following Consultants drawings. Any conflict to the drawings must be notified immediately to the Engineer.

Consultant	Dwg Title	Dwg No	Rev	Date
LTS LOCKLEY	PLAN OF DETAIL AND LEVELS	15263 001DT	K	03/07/21
BVN	GA PLAN – LEVEL 0	AR-B10-00-01	4	23/08/21
	GA PLAN – LEVEL 1	AR-B10-01-01	4	23/08/21
	GA PLAN – LEVEL 2	AR-B10-02-01	4	23/08/21
OCULUS	OVERALL SITEWORKS PLAN	L004	3	27/08/21
	SITE PLAN LEVEL 00	L005	3	27/08/21
	SITE PLAN LEVEL 1	L006	3	27/08/21
	SITE PLAN LEVEL 2	L007	3	27/08/21

SURVEY AND SERVICES INFORMATION

SURVEY

Origin of levels : PM 50186 RL 116.9m
Datum of levels : A.H.D.
Coordinate system : MGA
Survey prepared by : LTS LOCKLEY
Setout Points : –

Taylor Thomson Whitting does not guarantee that the survey information shown on these drawings is accurate and will accept no liability for any inaccuracies in the survey information provided to us from any cause whatsoever.

UNDERGROUND SERVICES - WARNING

The locations of underground services shown on Taylor Thomson Whittings drawings have been plotted from diagrams provided by service authorities. This information has been prepared solely for the authorities own use and may not necessarily be updated or accurate.

The position of services as recorded by the authority at the time of installation may not reflect changes in the physical environment subsequent to installation.

Taylor Thomson Whitting does not guarantee that the services information shown on these drawings shows more than the presence or absence of services, and will accept no liability for inaccuracies in the services information shown from any cause whatsoever.

The Contractor must confirm the exact location and extent of services prior to construction and notify any conflict with the drawings immediately to the Engineer/Superintendent.

The contractor is to get approval from the relevant state survey department, to remove/adjust any survey mark. This includes but is not limited to; State Survey Marks (SSM), Permanent Marks (PM), cadastral reference marks or any other survey mark which is to be removed or adjusted in any way.
Taylor Thomson Whitting plans do not indicate the presence of any survey mark. The contractor is to undertake their own search.

BOUNDARY AND EASEMENT NOTE

The property boundary and easement locations shown on Taylor Thomson Whitting drawing's have been based from information received from : **LTS LOCKLEY dated 03/07/21**
Suit 1, Level 1, 810 Pacific Highway
Gordon, NSW 2072 P: 1300 587 000

Taylor Thomson Whitting makes no guarantees that the boundary or easement information shown is correct.
Taylor Thomson Whitting will accept no liabilities for boundary inaccuracies. The contractor/builder is advised to check/confirm all boundaries in relation to all proposed work prior to the commencement of construction. Boundary inaccuracies found are to be reported to the superintendent prior to construction starting.

SAFETY IN DESIGN

Contractor to refer to Appendix B of the Civil Specification for the Civil Risk and Solutions Register.

EXISTING SERVICES

Contractor to be aware existing services are located within the site. Location of all services to be verified by the Contractor prior to commencing works. Contractor to confirm with relevant authority regarding measures to be taken to ensure services are protected or procedures are in place to demolish and/or relocate.

EXISTING STRUCTURES

Contractor to be aware existing structures may exist within the site. To prevent damage to existing structure(s) and/or personnel, site works to be carried out as far as practicably possible from existing structure(s).

EXISTING TREES

Contractor to be aware existing trees exist within the site which need to be protected. To prevent damage to trees and/or personnel, site works to be carried out as far as practicably possible from existing trees. Advice needs to be sought from Arborist and/or Landscape Architect on measures required to protect trees.

GROUNDWATER

Contractor to be aware ground water levels are close to existing surface level. Temporary de-watering may be required during construction works.

EXCAVATIONS

Deep excavations due to stormwater drainage works is required. Contractor to ensure safe working procedures are in place for works. All excavations to be fenced off and batters adequately supported to approval of Geotechnical Engineer.

GROUND CONDITIONS

Contractor to be aware of the site geotechnical conditions. Refer to geotechnical report by (insert report details) for details.

HAZARDOUS MATERIALS

Existing asbestos products & contaminated material may be present on site. Contractor to ensure all hazardous materials are identified prior to commencing works. Safe working practices as per relevant authority to be adopted and appropriate PPE to be used when handling all hazardous materials. Refer to geotechnical/environmental report by (insert report details) for details.

CONFINED SPACES

Contractor to be aware of potential hazards due to working in confined spaces such as stormwater pits, trenches and/or tanks. Contractor to provide safe working methods and use appropriate PPE when entering confined spaces.

MANUAL HANDLING

Contractor to be aware manual handling may be required during construction. Contractor to take appropriate measures to ensure manual handling procedures and assessments are in place prior to commencing works.

WATER POLLUTION

Contractor to ensure appropriate measures are taken to prevent pollutants from construction works contaminating the surrounding environment.

SITE ACCESS/EGRESS

Contractor to be aware site works occur in close proximity to footpaths and roadways. Contractor to erect appropriate barriers and signage to protect site personnel and public.

VEHICLE MOVEMENT

Contractor to supply and comply with traffic management plan and provide adequate site traffic control including a certified traffic marshall to supervise vehicle movements where necessary.

SITEWORKS NOTES

1. All basecourse material to comply with RMS specification No 3051 and compacted to minimum 98% modified standard dry density in accordance with AS 1289 5.2.1.
2. All trench backfill material shall be compacted to the same density as the adjacent material.
3. All service trenches under vehicular pavements shall be backfilled with an approved select material and compacted to a minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1

CONCRETE FINISHING NOTES

1. All exposed concrete pavements are to be broomed finished.
2. All edges of the concrete pavement including keyed and dowelled joints are to be finished with an edging tool.
3. Concrete pavements with grades greater than 10 % shall be heavily broomed finished.
4. Carborundum to be added to all stair treads and ramped crossings U.N.O.

CONCRETE NOTES

EXPOSURE CLASSIFICATION : External : B2

CONCRETE

Place concrete of the following characteristic compressive strength f'c as defined in AS 1379.

Location	AS 1379 f'c MPa at 28 days	Specified Slump	Nominal Agg. Size
Kerbs	S20	80	20
Retaining wall footing	S40	80	20

1. Use Type "GP" cement, unless otherwise specified.
2. All concrete shall be subject to project assessment and testing to AS 1379.
3. Consolidate by mechanical vibration. Cure all concrete surfaces as directed in the Specification.
4. For all falls in slab, drip grooves, reglets, chamfers etc. refer to Architects drawings and specifications.
5. Unless shown on the drawings, the location of all construction joints shall be submitted to Engineer for review.
6. No holes or chases shall be made in the slab without the approval of the Engineer.
7. Conduits and pipes are to be fixed to the underside of the top reinforcement layer.
8. Slurry used to lubricate concrete pump lines is not to be used in any structural members.
9. All slabs cast on ground require sand blinding with a Concrete Underlay

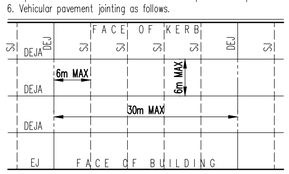
FORMWORK

1. The design, certification, construction and performance of the formwork, falsework and backpropping shall be the responsibility of the contractor. Proposed method of installation and removal of formwork is to be submitted to the superintendent for comment prior to work being carried out.

JOINTING NOTES

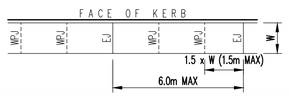
Vehicular Pavement Jointing

1. All vehicular pavements to be jointed as shown on drawings.
2. Keyed construction joints should generally be located at a maximum of 6m centres.
3. Sawn joints should generally be located at a maximum of 6m centres or 1.5 x the spacing of keyed joints, where key joint spacing is less than 4m, with dowelled expansion joints at maximum of 30m centres.
4. Provide 10mm wide full depth expansion joints between buildings and all concrete or unit pavers.
5. The timing of the saw cut is to be confirmed by the contractor on site. Site conditions will determine how many hours after the concrete pour before the saw cuts are commenced. Refer to the specification for weather conditions and temperatures required.
6. Vehicular pavement jointing as follows.



Pedestrian Footpath Jointing

1. Expansion joints are to be located where possible at tangent points of curves and elsewhere at max 6.0m centres.
2. Weakened plane joints are to be located at a max 1.5 x width of the pavement.
3. Where possible joints should be located to match kerbing and / or adjacent pavement joints.
4. All pedestrian footpath jointings as follows (uno).



KERBING NOTES

Includes all kerbs, gutters, dish drains, crossings and edges.

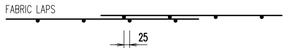
1. All kerbs, gutters, dish drains and crossings to be constructed on minimum 75mm granular basecourse compacted to minimum 98% modified maximum dry density in accordance with AS 1289 5.2.1.
2. Expansion joints (EJ) to be formed from 10mm compressible cork filler board for the full depth of the section and cut to profile. Expansion joints to be located at drainage pits, on tangent points of curves and elsewhere at 12m centres except for integral kerbs where the expansion joints are to match the joint locations in slabs.
3. Weakened plane joints to be min 3mm wide and located at 3m centres except for integral kerbs where weakened plane joints are to match the joint locations in slabs.
4. Broomed finished to all ramped and vehicular crossings, all other kerbing or dish drains to be steel float finished.
5. In the replacement of kerbs –
   Existing road pavement is to be sawcut 900mm from lip of gutter. Upon completion of new kerbs, new basecourse and surface is to be laid 900mm wide to match existing materials and thicknesses.
   Existing allotment drainage pipes are to be built into the new kerb with a 100mm dia hole.
   Existing kerbs are to be completely removed where new kerbs are shown.

REINFORCEMENT NOTES

1. Fix reinforcement as shown on drawings. The type and grade is indicated by a symbol as shown below. On the drawings this is followed by a numeral which indicates the size in millimetres of the reinforcement.

   N. Hot rolled ribbed bar grade D500N
   R. Plain round bar grade R250N
   SL. Square mesh grade 500L
   RL. Rectangular mesh grade 500L

2. Provide bar supports or spacers to give the following concrete cover to all reinforcement unless otherwise noted on drawings.
   Footings – 50 top, 50 bottom, 50 sides.
   Walls – 30 generally.
   – 30 when cast in forms but later exposed to weather or ground.
   – .. when cast directly in contact with ground.
3. Cover to reinforcement ends to be 50 mm u.n.o.
4. Provide N12-450 support bars to top reinforcement as required, Lap 500 U.N.O.
5. Maintain cover to all pipes, conduits, reglets, drip grooves etc
6. All cogs to be standard cogs unless noted otherwise.
7. Fabric end and side laps are to be placed strictly in accordance with the manufacturers requirements to achieve a full tensile lap. Fabric shall be laid so that there is a maximum of 3 layers at any location.



8. Laps in reinforcement shall be made only where shown on the drawings unless otherwise approved. Lap lengths as per table below.

RETAINING WALLS

1. Drainage shall be provided as shown on the drainage drawings.
2. Backfilling shall be carried out after grout or concrete has reached a minimum strength of 0.85 f'c. Backfilling shall be approved granular material compacted in layers not exceeding 200mm to 95% Standard compaction unless noted otherwise.
3. Provide waterproofing to back of walls as specified or noted.
4. Where retaining walls rely on connecting structural elements for stability, do not backfill against the wall unless it is adequately propped or the elements have been constructed and have sufficient strength to withstand the loads.
5. For all temporary batters obtain geotechnical engineers recommendations.

TENDER NOTES

1. These drawings are preliminary drawings issued for tender as an indication of the extent of works only. They are not a complete construction set of drawings.
2. To determine the full extent of work, these drawings shall be read in conjunction with the architectural drawings and other contract documents.
   Allow for all items shown on architectural and other drawings as not all items are shown on the structural/civil works drawings.
3. Should any ambiguity, error, omissions, discrepancy, inconsistency or other fault exist or seem to exist in the documents, immediately notify in writing to the Superintendendent.
4. Rates shown on the drawings are for the final structure/civil works in place and do not allow for any wastage, rolling margins, over supply or fabrication requirements. etc.

STORMWATER DRAINAGE NOTES

1 Stormwater Design Criteria :
(A) Average exceedance probability –
1% AEP for roof drainage to first external pit
5% AEP for paved and landscaped areas
(B) Rainfall intensities –
Time of concentration: 5 minutes
1% AEP = 200 mm/hr
5% AEP = 271 mm/hr
(C) Rainfall losses –
Impervious areas: IL = 1.5 mm , CL = 0 mm/hr
Pervious areas: IL = 38 mm , CL = 2.0 mm/hr

2. Pipes 300 dia and larger to be reinforced concrete Class "2" approved spigot and socket with rubber ring joints U.N.O.
3. Pipes up to 300 dia may be sewer grade uPVC with solvent welded joints, subject to approval by the engineer
4. Equivalent strength VCP or FRP pipes may be used subject to approval.
5. Precast pits may be used external to the building subject to approval by Engineer
6. Enlargers, connections and junctions to be manufactured fittings where pipes are less than 300 dia.
7. Where subsoil drains pass under floor slabs and vehicular pavements, unslotted uPVC sewer grade pipe is to be used.
8. Grates and covers shall conform with AS 3996-2006, and AS 1428.1 for access requirements.
9. Pipes are to be installed in accordance with AS 3725. All bedding to be type H2 U.N.O.
10. Care is to be taken with invert levels of stormwater lines. Grades shown are not to be reduced without approval.
11. All stormwater pipes to be 150 dia at 1.0% min fall U.N.O.
12. Subsoil drains to be slotted flexible uPVC U.N.O.
13. Adopt invert levels for pipe installation (grades shown are only nominal).

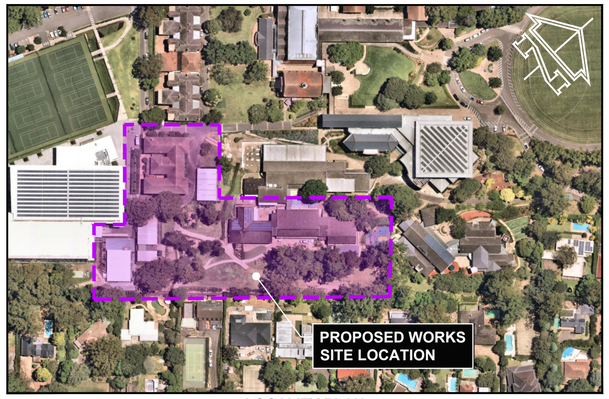
PIT SCHEDULE

Note: Grate size does not necessarily reflect pit size, refer pit type details, shown on detail sheets – **C106**
Final internal pit dimensions are to comply with AS3500

Type	Description	Cover (Clear Opening)	
A	Surface inlet pit	600 x 600 Class D galvanised mild steel grate hinged to frame with Ocean Protect filter insert	
		600 x 900 Class D galvanised mild steel grate hinged to frame with Ocean Protect filter insert	
		900 x 900 Class D galvanised mild steel grate hinged to frame with Ocean Protect filter insert	
B	Tank Access Lid	900 x 900 Class D galvanised mild steel grate hinged to frame	
C	Existing pit	Existing pit to remain	

SITEWORKS LEGEND

● F22.20	Finished surface level
F22.00	Finished contour
K&G	Kerb and gutter
KO	Kerb only
RWA	Civil retaining wall
IL10.00 / 600 # '2' / 1.25% / Q=345 L/s / IL9.65	Stormwater pit, flow direction and line with Invert level upstream Pipe size and class Pipe grade Flow (Litres per second) Invert level downstream
GD	Grated drain
IR	Intermediate riser with subsoil drainage line (100 dia)
FP	Flushing point with subsoil drainage line (100 dia)
DP	Down pipe
RP	Rodding point
	Concrete encased stormwater line
	Overland flow path



LOCALITY PLAN
SCALE 1:2000

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
C01	COVER SHEET, GENERAL NOTES AND LEGENDS, LOCALITY PLAN AND DRAWING SCHEDULE
C02	SEDIMENT AND EROSION CONTROL PLAN
C03	SEDIMENT AND EROSION CONTROL DETAILS
C05	LEVEL 00 SITEWORKS AND STORMWATER PLAN
C06	LEVEL 01 SITEWORKS AND STORMWATER PLAN
C07	LEVEL 02 SITEWORKS AND STORMWATER PLAN
C20	TYPICAL DETAILS, SHEET 1
C50	OSD TANK DETAILS, SHEET 1

EXISTING SEVICES LEGEND

S	Existing sewer
W	Existing water
E	Existing electrical
T	Existing communications
G	Existing gas
SW	Existing stormwater

FileName: C01.dwg – USER: dsoliff – Plot File Created: Aug 30, 2021 - 9:46am

A1

Rev	Description	Eng	Draft	Date
P1	ISSUED FOR SSDA APPROVAL	NB	LA	27.08.21

Architect
BVN
Telephone +61 2 8297 7200
Facsimile +61 2 8297 7299
www.bvn.com.au

Engineer
TTW Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project
PYMBLE LADIES COLLEGE
GREY HOUSE PRECINCT (GHP)
AVON ROAD, PYMBLE NSW 2073

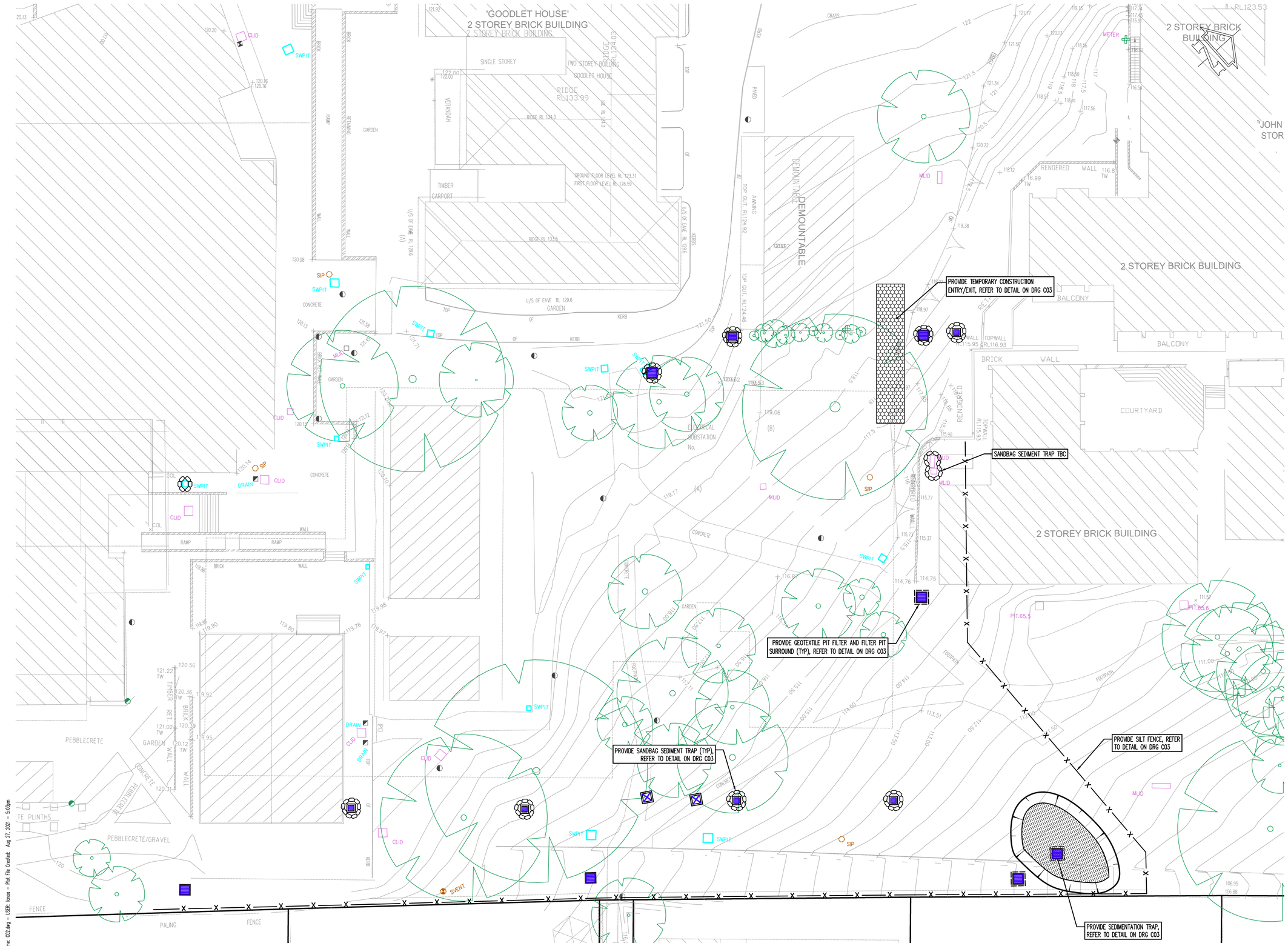
Sheet Subject
COVER SHEET, GENERAL NOTES AND LEGENDS, LOCALITY PLAN AND DRAWING SCHEDULE

Scale : A1	Drawn	Authorised
N/A	LA	NB

Job No	Drawing No	Revision
211007	C01	P1

Plot File Created: Aug 30, 2021 - 9:46am

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01



EROSION AND SEDIMENT CONTROL LEGEND

— x — x —	Siltation fence
	Stormwater pit with Geotextile filter surround
	Sandbag sediment trap

EROSION AND SEDIMENT CONTROL NOTES

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

Sequence Of Works

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

WATER QUALITY TESTING REQUIREMENTS

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

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

0 2 4 6 8 10 12 14 16m

1:200 A1 1:400 A3

FileName: C02.dwg – USER: lonoa – Plot File Created: Aug 27, 2021 – 5:03pm

A1

Rev	Description	Eng	Draft	Date
P1	ISSUED FOR SSDA APPROVAL	NB	LS	27.08.21

Rev Description Eng Draft Date | Rev Description Eng Draft Date

Architect
BVN
Telephone +61 2 8297 7200
Facsimile +61 2 8297 7299
www.bvn.com.au

Engineer
TTW Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project
PYMBLE LADIES COLLEGE
GREY HOUSE PRECINCT (GHP)
AVON ROAD, PYMBLE NSW 2073

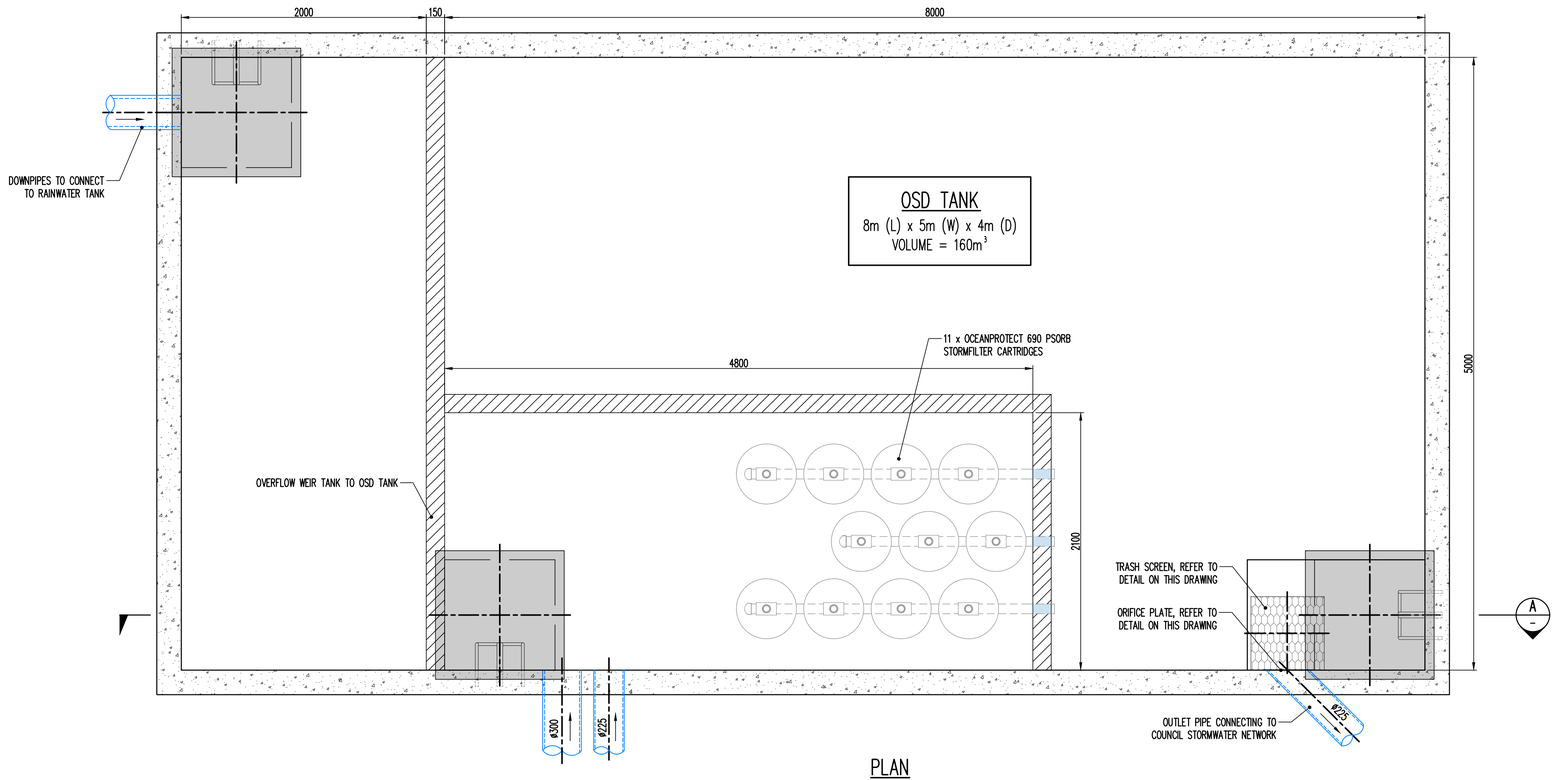
Sheet Subject
EROSION AND SEDIMENT CONTROL PLAN

Scale : A1	Drawn	Authorised
1:200	LS	NB

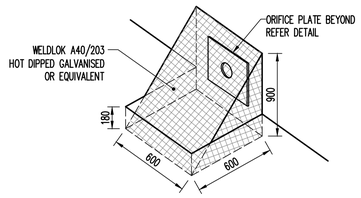
Job No	Drawing No	Revision
211007	C02	P1

Plot File Created: Aug 27, 2021 - 5:03pm

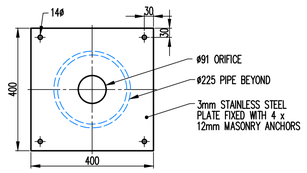
THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01



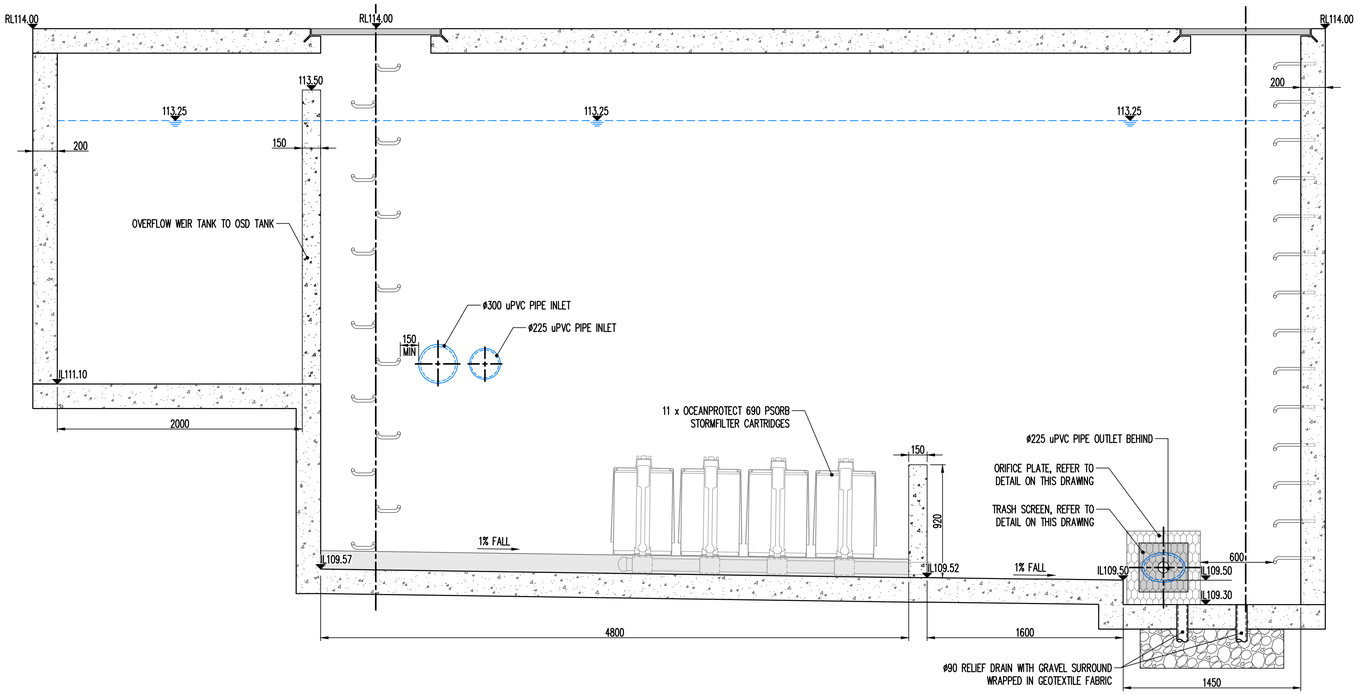
PLAN
SCALE 1: 25



TRASH SCREEN DETAIL
NTS



ORIFICE PLATE DETAIL
SCALE 1: 10



SECTION A
SCALE 1:25

0 0.25 0.5 0.75 1 1.25 1.5 1.75 2m
1:25 A1 1:50 A3

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8m
1:10 A1 1:20 A3

FileName: C50.dwg - USER: lanas - Plot File Created: Aug 27, 2021 - 4:19pm

A1

Rev	Description	Eng	Draft	Date
P1	ISSUED FOR SSDA APPROVAL	NB	LA	27.08.21

Architect
BVN
Telephone +61 2 8297 7200
Facsimile +61 2 8297 7299
www.bvn.com.au

Engineer
TTW Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project
PYMBLE LADIES COLLEGE GREY HOUSE PRECINCT (GHP)
AVON ROAD, PYMBLE NSW 2073

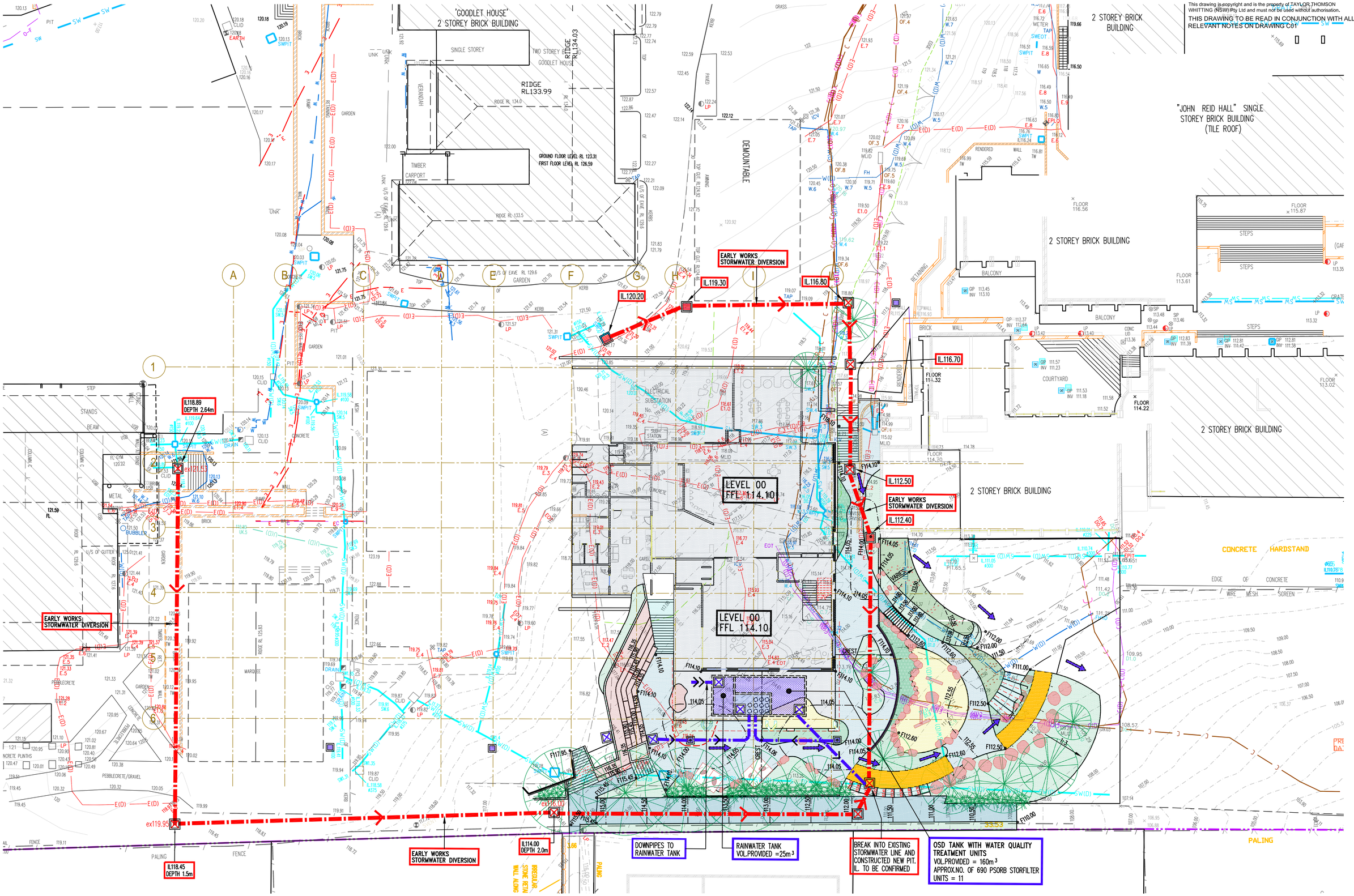
Sheet Subject
OSD TANK DETAILS, SHEET 1

Scale : A1	Drawn	Authorised
AS SHOWN	LA	NB

Job No	Drawing No	Revision
211007	C50	P1

Plot File Created: Aug 27, 2021 - 4:19pm

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01



0 2 4 6 8 10 12 14 16m

1:200 A1 1:400 A3

A1

ISSUED FOR SSDA APPROVAL ONLY

Rev	Description	Eng	Draft	Date
P2	ISSUED FOR APPROVAL	NB	PM	27.08.21
P1	PRELIMINARY	NB	PM	23.08.21

Architect
BVN
Telephone +61 2 8297 7200
Facsimile +61 2 8297 7299
www.bvn.com.au

Engineer
TTW Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project
PYMBLE LADIES COLLEGE
GREY HOUSE PRECINCT (GHP)
AVON ROAD, PYMBLE NSW 2073

Sheet Subject
LEVEL 00
SITEWORKS AND STORMWATER PLAN

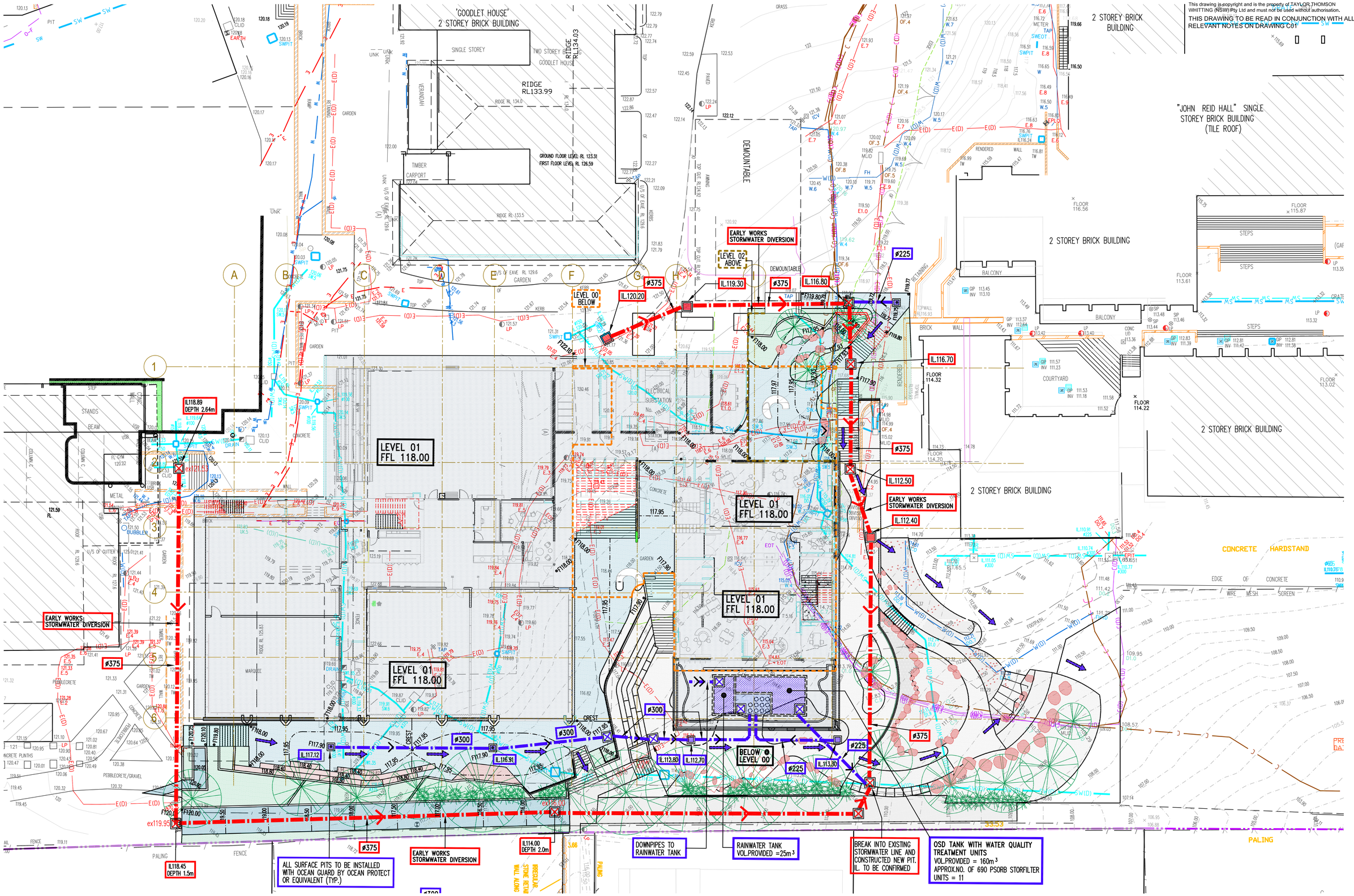
Scale : A1	Drawn	Authorised
1:200	PM	NB

Job No	Drawing No	Revision
211007	C05	P2

Plot File Created: Aug 27, 2021 - 3:51pm

FileName: C05.dwg - USER: pancho - Plot File Created: Aug 27, 2021 - 3:51pm

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01



0 2 4 6 8 10 12 14 16m

1:200 A1 1:400 A3

A1

ISSUED FOR SSDA APPROVAL ONLY

Rev	Description	Eng	Draft	Date
P2	ISSUED FOR APPROVAL	NB	PM	27.08.21
P1	PRELIMINARY	NB	PM	23.08.21

Architect: BVN
Telephone +61 2 8297 7200
Facsimile +61 2 8297 7299
www.bvn.com.au

Engineer: TTW Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project: PYMBLE LADIES COLLEGE GREY HOUSE PRECINCT (GHP)
AVON ROAD, PYMBLE NSW 2073

Sheet Subject: LEVEL 01 SITEWORKS AND STORMWATER PLAN

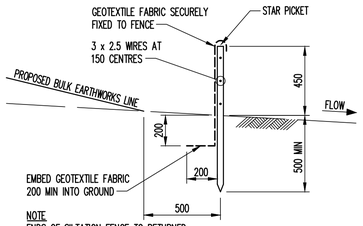
Scale : A1	Drawn	Authorised
1:200	PM	NB

Job No	Drawing No	Revision
211007	C06	P2

Plot File Created: Aug 27, 2021 - 3:52pm

FileName: C06.dwg - USER: pandha - Plot File Created: Aug 27, 2021 - 3:52pm

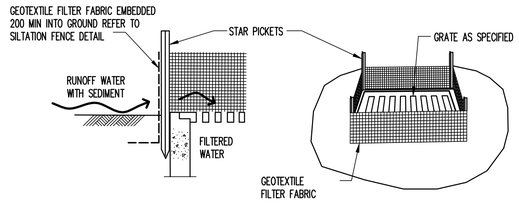
THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01



NOTE
ENDS OF SILTATION FENCE TO RETURNED UP SLOPE TO PREVENT RUNOFF

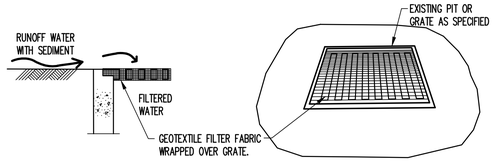
SILTATION FENCE DETAIL

SCALE 1: 20



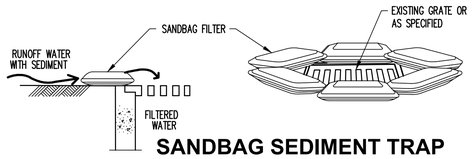
GEOTEXTILE FILTER PIT SURROUND

NTS



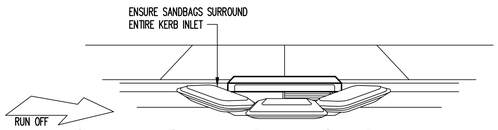
GEOTEXTILE PIT FILTER

NTS



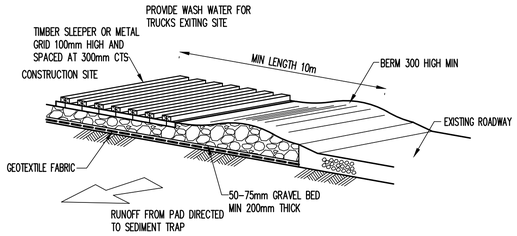
SANDBAG SEDIMENT TRAP

NTS



SANDBAG KERB INLET SEDIMENT TRAP

NTS



TEMPORARY CONSTRUCTION VEHICLE EXIT

NTS

FileName: C03.dwg - USER: lanas - Plot File Created: Aug 27, 2021 - 5:03pm

A1

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6m

1:20 A1 1:40 A3

Rev	Description	Eng	Draft	Date
P1	ISSUED FOR SSDA APPROVAL	NB	LS	27.08.21

Rev Description Eng Draft Date

Rev Description Eng Draft Date

Architect
BVN
Telephone +61 2 8297 7200
Facsimile +61 2 8297 7299
www.bvn.com.au

Engineer
TTW Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project
PYMBLE LADIES COLLEGE
GREY HOUSE PRECINCT (GHP)
AVON ROAD, PYMBLE NSW 2073

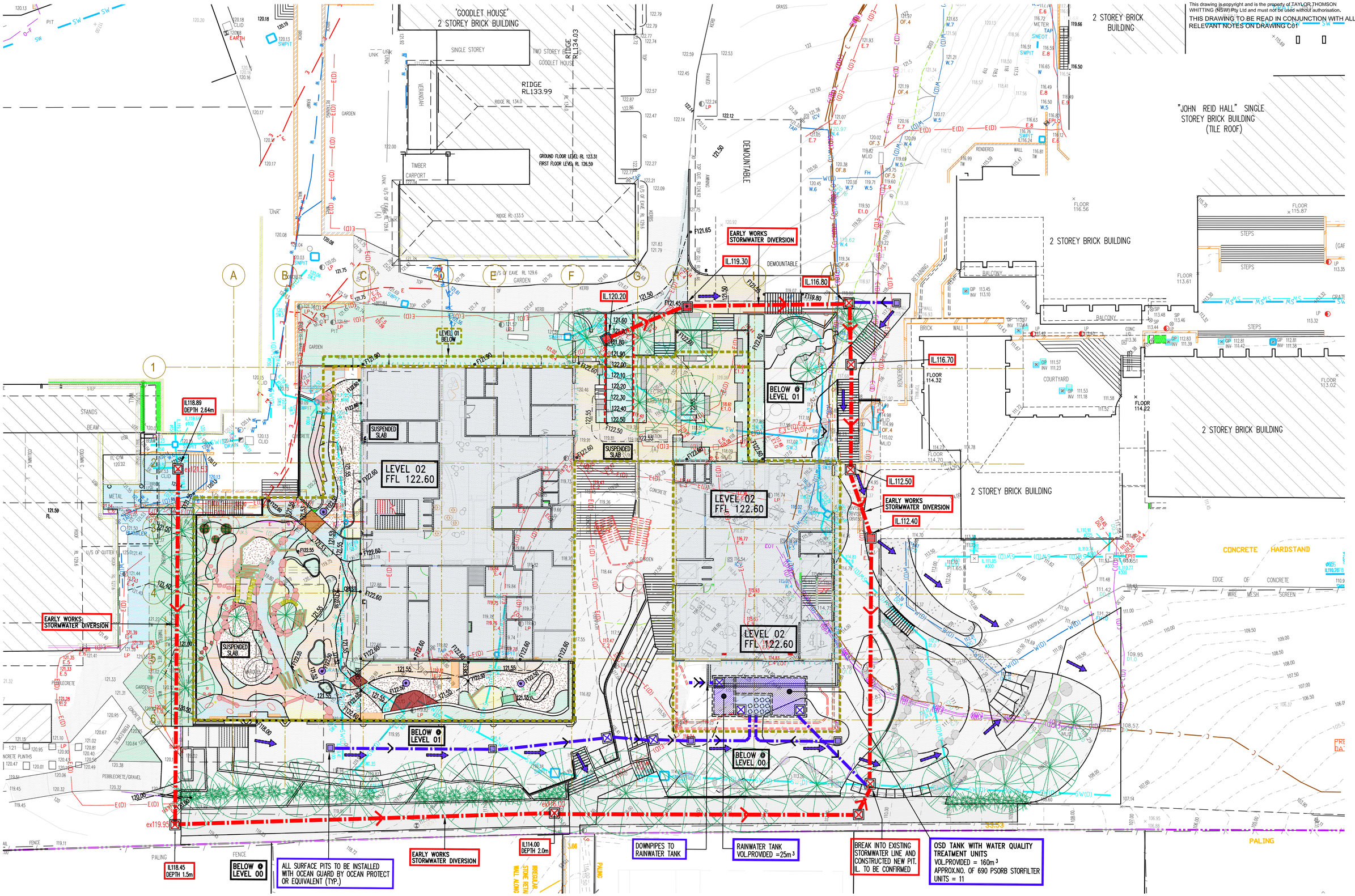
Sheet Subject
EROSION AND SEDIMENT CONTROL DETAILS

Scale : A1	Drawn	Authorised
AS SHOWN	LS	NB

Job No	Drawing No	Revision
211007	C03	P1

Plot File Created: Aug 27, 2021 - 5:03pm

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01



0 2 4 6 8 10 12 14 16m

1:200 A1 1:400 A3

A1

ISSUED FOR SSDA APPROVAL ONLY

Rev	Description	Eng	Draft	Date
P2	ISSUED FOR APPROVAL	NB	PM	27.08.21
P1	PRELIMINARY	NB	PM	23.08.21

Architect: BVN
Telephone +61 2 8297 7200
Facsimile +61 2 8297 7299
www.bvn.com.au

Engineer: TTW Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project: PYMBLE LADIES COLLEGE GREY HOUSE PRECINCT (GHP)
AVON ROAD, PYMBLE NSW 2073

Sheet Subject: LEVEL 02 SITEWORKS AND STORMWATER PLAN

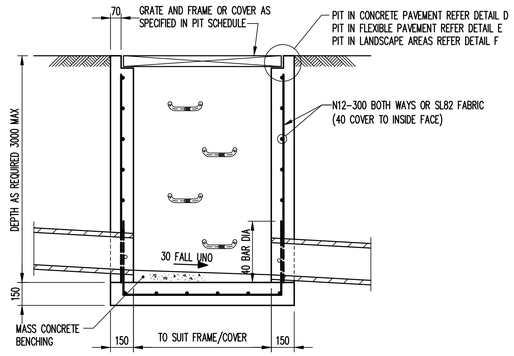
Scale : A1	Drawn	Authorised
1:200	PM	NB

Job No	Drawing No	Revision
211007	C07	P2

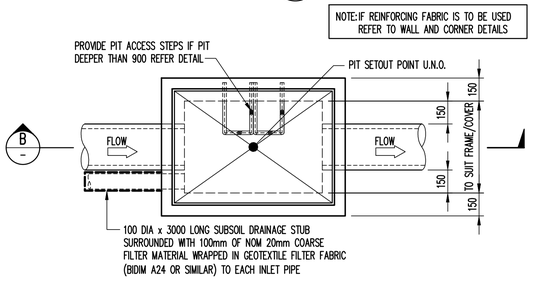
Plot File Created: Aug 27, 2021 - 3:53pm

FileName: C01.dwg - USER: pandha - Plot File Created: Aug 27, 2021 - 3:53pm

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01

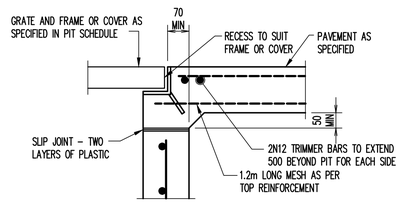


SECTION B
SCALE 1:20

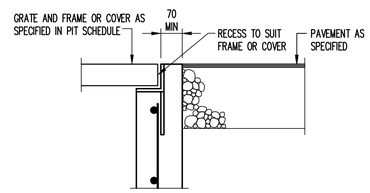


PLAN
SCALE 1: 20

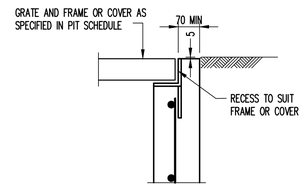
PIT TYPE A



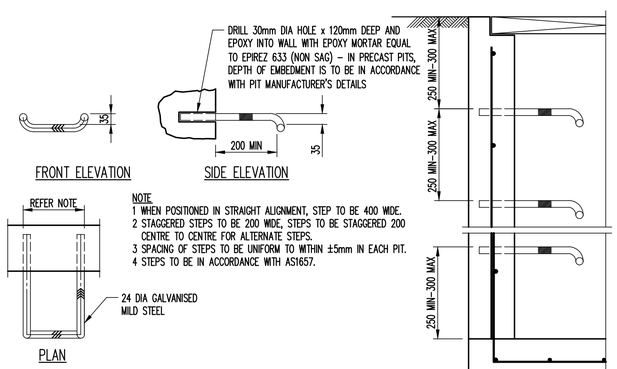
DETAIL D
SCALE 1: 10



DETAIL E
SCALE 1: 10



DETAIL F
SCALE 1: 10



NOTE
1 WHEN POSITIONED IN STRAIGHT ALIGNMENT, STEP TO BE 400 WIDE.
2 STAGGERED STEPS TO BE 200 WIDE, STEPS TO BE STAGGERED 200 CENTRE TO CENTRE FOR ALTERNATE STEPS.
3 SPACING OF STEPS TO BE UNIFORM TO WITHIN ±5mm IN EACH PIT.
4 STEPS TO BE IN ACCORDANCE WITH AS1657.

PIT ACCESS STEP DETAIL
SCALE 1: 10

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6m
1:20 A1 1:40 A3

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8m
1:10 A1 1:20 A3

FileName: C20.dwg - USER: lanas - Plot File Created: Aug 27, 2021 - 4:28pm

A1

Rev	Description	Eng	Draft	Date
P1	ISSUED FOR SSDA APPROVAL	NB	LA	27.08.21

Architect
BVN
Telephone +61 2 8297 7200
Facsimile +61 2 8297 7299
www.bvn.com.au

Engineer
TTW Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project
PYMBLE LADIES COLLEGE
GREY HOUSE PRECINCT (GHP)
AVON ROAD, PYMBLE NSW 2073

Sheet Subject
TYPICAL DETAILS, SHEET 1

Scale : A1: AS SHOWN
Drawn: LA
Authorised: -
Job No: 211007
Drawing No: C20
Revision: P1
Plot File Created: Aug 27, 2021 - 4:28pm