#### **GENERAL NOTES**

- 1. Contractor must verify all dimensions and existing levels on site prio to commencement of works. Any discrepancies to be reported to the 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
- 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 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. 6. 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.

#### Dwg No Rev Date **Consultant** Dwg Title

VERIS PLAN OF DETAIL & LEVELS 201062A POPULOUS GA PLAN - GROUND FLOOR AT.20.000 VERIS SUB-SURFACE UTILITY PLAN 201062-UTIL-001 D 25.03.19

#### SURVEY AND SERVICES INFORMATION SURVEY

Origin of levels : SSM 40273 Datum of levels : A.H.D. AUSTRALIAN HEIGHT DATUM Coordinate system : MGA Survey prepared by: VERIS : CONTACT THE SURVEYOR

Taylor Thomson Whitting does not augrantee that the survey information shown on these drawings is accurate and will accept no liability for any

## **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.

inaccuracies in the survey information provided to us from any cause

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

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

department, to remove/adjust any survey mark. This includes but is not

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 : <u>No boundary information received.</u>

<u>Refer architect for boundary information and locations</u>

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.

# **EROSION AND SEDIMENT CONTROL**

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"). Erosion and sediment control is to be 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 shall be implemented and

adopted 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.

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

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

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

. Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each

12. Clean out all erosion and sediment control devices after each

#### **Sequence Of Works**

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

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

1.5. Construct turf lined swales.

after the construction of kerbs.

1.6. Provide sandbag sediment traps upstream of existing pits. 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.

Provide and maintain a strip of turf on both sides of all roads

#### **CONCRETE NOTES**

**EXPOSURE CLASSIFICATION:** External: C1

Place concrete of the following characteristic compressive strength f'c

as defined in AS 1379. AS 1379 f'c MPa FOOTPATHS, FOOTINGS, PAVEMENTS | S50 at 90 days |

Use Type 'GP' cement, unless otherwise specified. All concrete shall be subject to project assessment and testing to Consolidate by mechanical vibration. Cure all concrete surfaces as directed in the Specification.

For all falls in slab, drip grooves, reglets, chamfers etc. refer to Architects drawings and specifications. Unless shown on the drawings, the location of all construction joints shall be submitted to Engineer for review.

No holes or chases shall be made in the slab without the approval of the Engineer. Conduits and pipes are to be fixed to the underside of the top reinforcement layer.

Slurry used to lubricate concrete pump lines is not to be used in any structural members. All'slabs cast on ground require sand blinding with a Concrete

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.

#### SITEWORKS NOTES

1. All basecourse material to comply with RTA specification No 3051 and compacted to minimum 98% modified maximum 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

#### STORMWATER DRAINAGE NOTES

I Stormwater Design Criteria : (A) Average Exceedance Probability (AEP) -1% for roof drainage to first external pit

5% for paved and landscaped areas (B) Rainfall intensities -Time of concentration: 5 minutes 1% = 260 mm/hr $5\% = 200 \, \text{mm/hr}$ 

(C) Storm Losses -Impervious initial loss = 1.5mm Initial Ioss = Continuing loss = 1.6mm/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 shall be sewer grade uPVC with solvent welded joints. 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 Contact administrator

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 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).

#### 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

### PIT SCHEDULE

crossings U.N.O.

**Note:** Grate size does not necessarily reflect pit size, refer pit type details, shown on detail sheets - CO5 Final internal pit dimensions are to comply with AS3500

	Till internal pit dimensions are to comply with Assaud									
Type	Description	Cover (Clear Opening)	Number							
В	Junction pit	1500 x 1500 Class D cast iron cover with concrete infill	1,2							
	Junction pit	900 x 900 Class D cast iron cover with concrete infill	3,4							
Е		Existing pit to remain	EX21,EX22, EX29							

#### 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 (Enviro West) for details.

#### **HAZARDOUS MATERIALS**

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

# 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

### WATER POLLUTION

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

marshall to supervise vehicle movements where necessary.

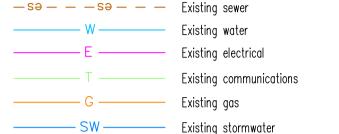
#### SITE ACCESS/EGRESS Contractor to be aware site works occur in close proximity to

signage to protect site personnel and public.

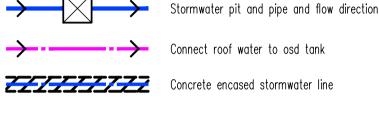
**VEHICLE MOVEMENT** Contractor to supply and comply with traffic management plan and provide adequate site traffic control including a certified traffic

footpaths and roadways. Contractor to erect appropriate barriers and

# **EXISTING SERVICES LEGEND**



### SITEWORKS LEGEND



RCP stormwater pipe and flow direction Stormwater pipe and pit to be removed — — Site boundary

> EROSION AND SEDIMENT CONTROL PLAN SITEWORKS/STORMWATER PLAN C03

C05 **DETAILS SHEET** 

**CIVIL DRAWING LIST Drawing No Drawing Title** NOTES & LEGENDS/COVER SHEET

P1 ISSUED FOR INFORMATION RH GG 18.04.19 Eng Draft Date Rev Description Eng Draft Date Rev Description Eng Draft Date Rev Description

612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

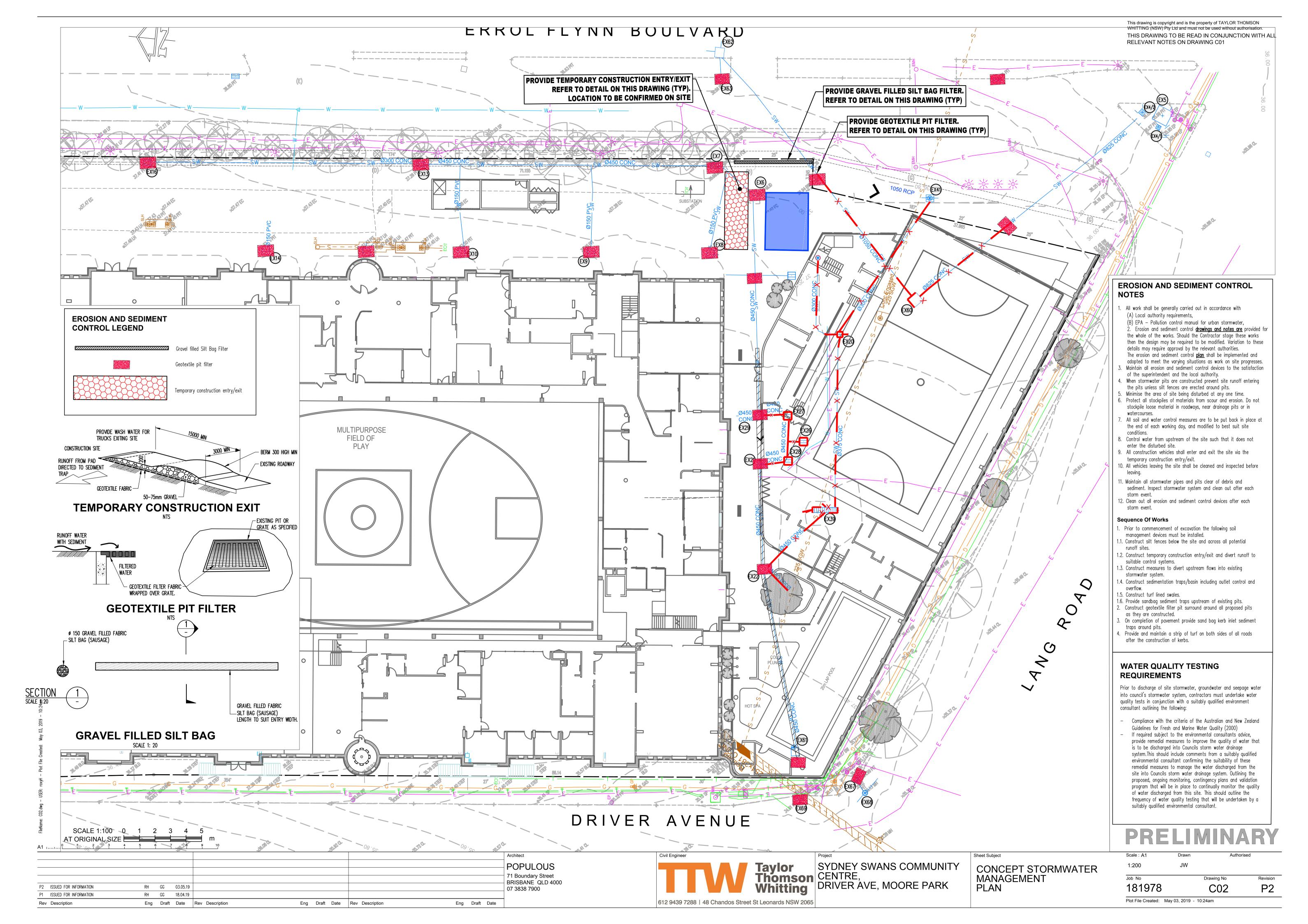
Taylor CENTRE, DRIVER AVE, MOORE PARK SYDNEY SWANS COMMUNITY

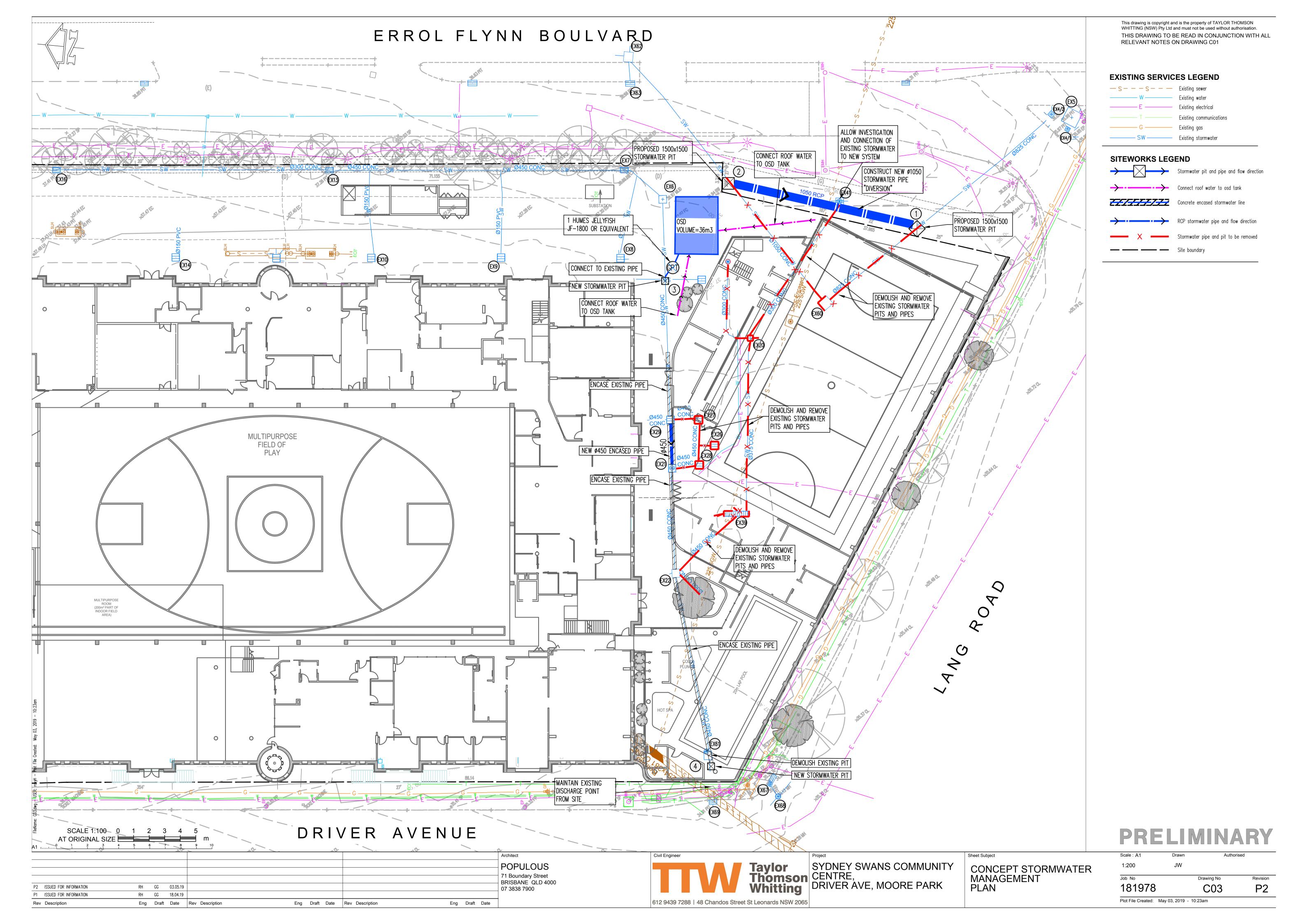
**NOTES & LEGENDS/COVER** 

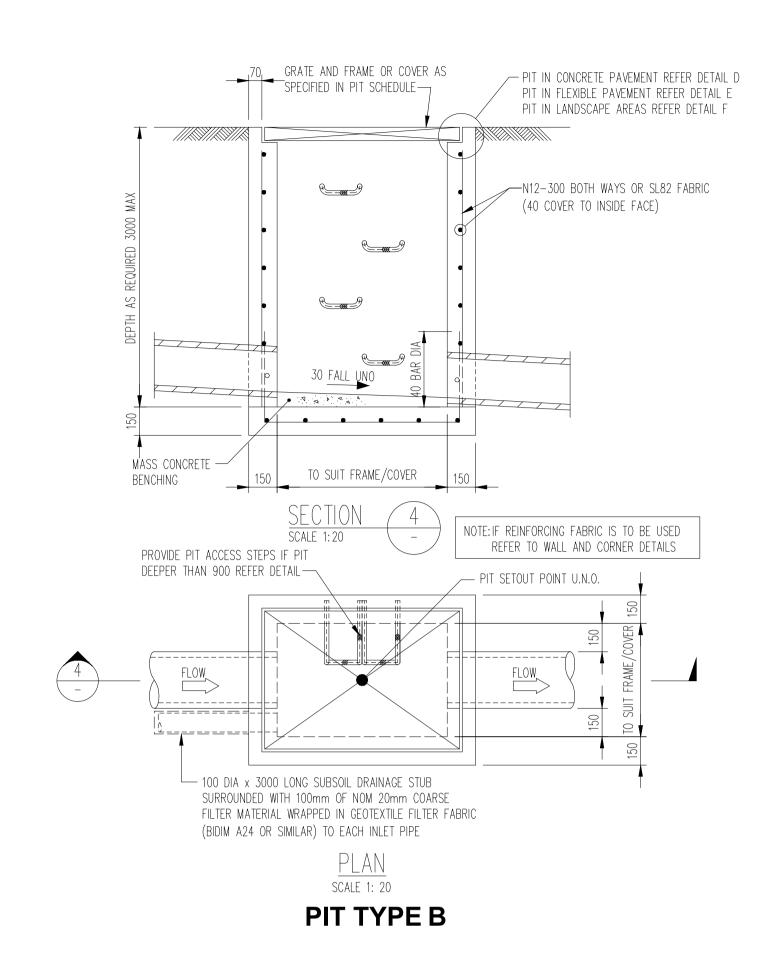
SHEET

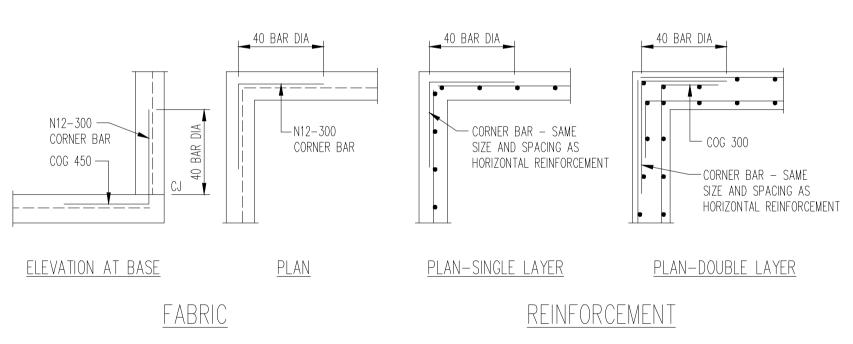
NTS GG 181978 C01 P1 Plot File Created: Apr 18, 2019 - 4:20pm

**POPULOUS** 71 Boundary Street BRISBANE QLD 4000 07 3838 7900



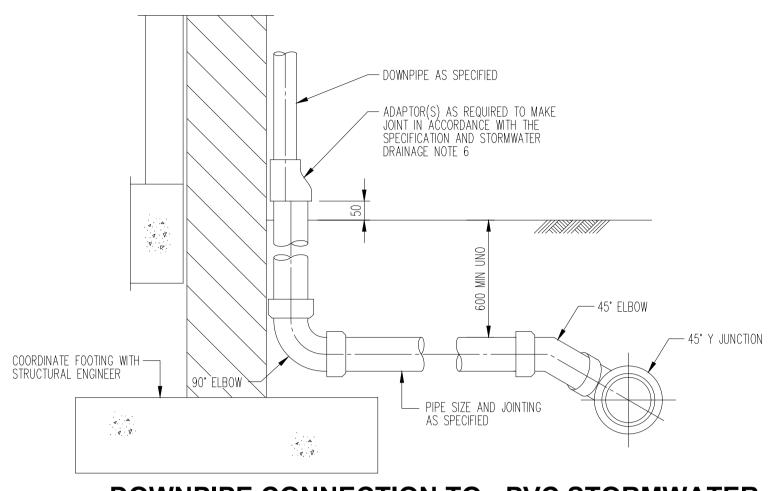




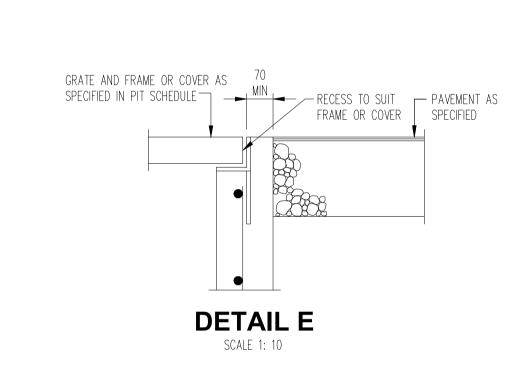


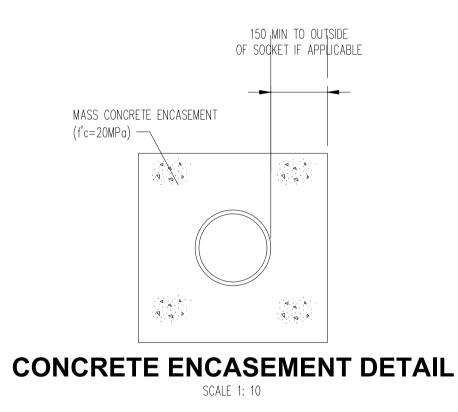
# PIT CORNER DETAILS

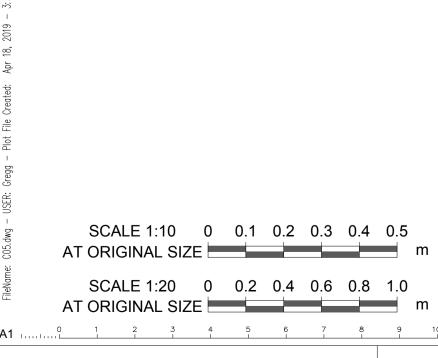
SCALE 1: 20
DESIGNER TO VERIFY
EXTENT OF DETAILING



DOWNPIPE CONNECTION TO uPVC STORMWATER
SCALE 1: 10







Rev Description	Eng	Draft	Date	Rev Description	Eng	Draft Date	Rev Description	Eng Draft Date	
P1 ISSUED FOR INFORMATION	RH	GG	18.04.19						
									07 3838 7900
									71 Boundary Street BRISBANE QLD 4000
									I .
									POPULOUS
									Architect
A1	4 5	o ,	7 8	9 10					



Taylor
Thomson
Whitting

Project

SYDNEY SWANS COMMUNITY
CENTRE,
DRIVER AVE, MOORE PARK

Sheet Subject

DETAILS SHEET

Scale : A1 Drawn Authorised
AS SHOWN GG SB

Job No Drawing No Revision

AS SHOWN GG SB

Job No Drawing No Revision

181978 C05 P1

Plot File Created: Apr 18, 2019 - 3:33pm