# INSW WESTERN CEZIRE

### **GENERAL NOTES**

- Contractor must verify all dimensions and existing levels on site prior to commencement of works. Any discrepancies to be reported to the project manager
- to commencement or works. Any suscepances to be exported to the project manager.

  2. Stirp oil topsoil from the construction area. All stripped topsoil shall be disposed of off-site unless directed otherwise.

  3. Make smooth connection with oil existing works.

  4. Compost subgrade under buildings and parements to minimum 98% stradard maximum any deasity in accordance with Ns 1289.5.1.1.

  Compostion under buildings to extend 2m minimum beyond building footparth.

  5. All work on public property property which is to become public property any work which is to one 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, and you work which is to one under the control of the property, and you work within its to one under the control of the postature of the relevant hundrity. The Controlors shall obtain these requirements for the elevant hundrity. The Controlors shall obtain these requirements of the Authority with a policious.

  7. For oil temporary botters refer to gestechnical recommendations.

### REFERENCE DRAWINGS

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
COX ARCHITECTURE SITE PLAN
PROJECT SURVEYORS SURVEY A0100 B04438 Dwg No 3 23.09.19 C 26.04.19 Rev Date

#### PIT SCHEDULE Note: Grate size does not no

Grate size does not necessarily reflect pit size, refer pit type defalls, shown on defall sheets - 120-29.

Find internal pit dimensions are to comply with ASSION Description Cover (Clear Opening) N

 $900 \times 900$  Class D galvanised mild steel grate hinged to frame

### SITEWORKS NOTES

- 1. All baseourse material to comply with RMS specification No 3051 and compacted to minimum 98% modified standard dry density in accordance with AS 1289 5.21.

   2. All trench backfill material shall be compacted to the same density as the officent material.

   3. All service trenches under vehicular povements 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
- All exposed concrete powernents are to be broomed finished.
   All edges of the concrete powernent including leped and dowelled joints are to be finished with an edging tool.
   Concrete powernents with grodes greater than 10 % shall be heavily broamed finished.
   Controlled the mished.
   Controlled to be odded to all stair treats and ramped accessible III No.

## **BOUNDARY AND EASEMENT NOTE**

have been based fr ns shown on laylor from information

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Thorison Whiting drawing's have been based from information received from: I/lo Evandary information received.

The first gradiest from the boundary information and locations (19/6) in the same of the same in a purantees that the boundary or exement information shown is correct.

Toplor thornson Whitting will accept no liabilities for boundary or information shown is correct.

Toplor thornson Whitting will accept no liabilities for boundary incorporates. The contract/builder is advised to check/confirm all boundaries in relation to all proposed work prior to the commencement of construction. Boundary incorporates found are to be reported to the superintendent prior to construction starting.

## STORMWATER DRAINAGE NOTES

1 Stormwoter Design Oriteria :

(A) Average recurrence intered 
1:100 years for ool drainage to first external pit

1:20 years for posed and londscaped creas

1:100 years = 70.56 years for posed and londscaped creas

1:100 years = 70.56 years | 70.56 y

b opproval.

5. Precest pils may be used external to the building subject to opproval by the following subject to opproval by the following subject to opproval by the following soss under floor slobs and vehicular discovered subject to the subjec

DEJA DEJA

#### **KERBING NOTES**

includes all kerbs, gutters, dish drains, crossings and edges

1. All kerbs, gutters, dish drains and crossings to be constructed an minimum 75mm granular baseourse compacted to minimum 925% modified maximum of years granular to make the years and the property of the years of years

and thicknesses.
Existing allotiment 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 strown.

SURVEY AND SERVICES INFORMATION
SURVEY
Origin of levels : SSM 78505 RL 5.63
Dolum of levels : A.H.D. AUSTRALIAN HEIGHT DATUM
Coordinate system : IVA.
Survey pregared by : PROJECT SURVEYORS
Selout Points : CONTACT THE SURVEYOR

Taylor Thomson Whitting does not guarantee that the survey information shown on these drawings is accurate and will accept no liability for any inconuncious 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. UNDERGROUND SERVICES - WARNING
The locations of underground services shown on Toylor Thomson
Mittings drawings have been plotted from diagrams provided by
service authorities. This information has been proposed solely for
authorities own use and may not necessarily be updated or accu

Toylor Thomson Whitting does not guarantee that the services information shown on these drawings shows more than the presence or desence 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 appartment, to remove/object any survey mark. This includes but is not limited to: State Survey Marks (Stay), Determent Marks (PM), Coastral reference marks or any other survey mark which is to be removed or objected in any way.

Toylor Thomson Mirthitag plans do not indicate the presence of any survey mark. The contractor is to undertake their own search.

### JOINTING NOTES

Vehicular Pavement Jointing

1. All wehicular povements to be jointed as shown on drawings.

2. Keyed construction joints should generally be located at a maximum of fair centres.

3. Sown joints should generally be located at a morimum of fair centres.

3. Sown joints should generally be located at a morimum of fair spacing is tess than 4m, with donelled expansion joints at morimum at 30m centres.

4. Provide flam wide lid depth expansion joints between buildings and all concrete or unit powers.

4. Provide Torm wide lid depth expansion joints between buildings and all concrete or unit powers.

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 sever-infrarien for warther conditions and temperatures required.

	$L = L \perp$	_ SJ	1	9	
	DEJA	. 3 m. 전		Vehicular	specifica
_	6m MAX	<u>_SJ</u> .		6. Vehicular pavement jointing as follows.	specification for weather conditions and temperatures required.
-		_ <u>SJ</u> .	A C E	ointing a	her con
_		_ <u>SJ</u> .	FACE OF KERB	s follows.	ditions or
	6m MAX	_ <u>SJ</u> .	ERΒ		nd tempera
		DEJ	┙		tures r
_		_ <u>SJ</u> _			equired.

Expansion joints are to be located where possible at tangent points of curves and diswitere at mans 6.0m centres.
 Wedweld plane joints are to be located at a max 1.5 x width of the potentent.
 Where possible joints should be located to match kerbing and / or adjoint powerment joints.

4. All pedestrian footpath jointings as follows (uno).

#### WPJ WPJ\_ WPJ 6.0m MAX 1.5 x W (1.5m MAX) WPJ

## **BULK EARTHWORKS NOTES**

1. All bulk earthworks setout from grid lines U.N.O.
2. All butters at a stope of [2,(H); 3.\*(f)) U.N.O.
3. Excavated material may be used as structural fill provided,
(ii) It compiles with the specification requirements for fill material,
(iii) the placement mosture content compiles with the Realechmical Consultants requirements, and alones filling to be placed and proorficiled in accordance with the specification. Where necessary the Contractor must moisture condition the excavated material to meet these requirements.

4. Compact fill areas and subgrade to not less than: Standard dry density Moisture (AS 1289 5.1.1.) (OMC)

Under building slabs on ground: Under roads and carparks: Landscaped areas: 98% 98% 95% ±2% ±2% ±2%

5. Before plocing fill, proof roll exposed subgrade with a 10 torrie minimum roller to lest subgrade and their remove soft spots (areas with more than 3mm moment under roller). Soft spots to be replaced with Select. Ill U.N.O. 16. Confractor shall place safety barriers around excanations in accordance with relevant selfer regulations.

9. For interpretation of bulk earthways foot print line shown on the bulk earthways downs a construction learnd.

## legand. Bulk earthwork drawings are not to be used for detailed excavation. Refer to Geolectnical Report prepared by: Refer to Geolectnical Report prepared by:

## REINFORCED EARTH WALL NOTE

1. All masonry blocks and gabion baskets are to the manufacture's specification.
2. Geolabric type and length is to be laid as per plans.
3. Suggrade bearing tests must be completed and results reviewed prior to gabion basket lying.
4. Contractor to submit shear box test results to ensure adequate triction angle, unit weight and cohesion.
5. Contractor must provide test records to ensure compaction results and moisture content between layers that have been specified is a cohered.
6. Soil conditions are anticipated as noted by the latest geotechnical report. Any conflicts or changes with the soil conditions or design, the contractor is to seek approval for any changes by the geotechnical engineer.



## Flat platforms shown with dots

## EROSION AND SEDIMENT CONTROL NOTES

storm event.

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

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

### Sequence Of Works

Prior to commencement of excondition the following soil monogenent devices must be installed.
 I. Construct sit fences below the site and across all potential runoff sites.

1.2. Construct temporary construction entry/exit and direct runoff to suitable control systems.
1.3. Construct measures to direct upstream flows into existing stormated systems.
1.4 Construct researchers.
1.4 Construct researchers.
1.5 Construct researchers.
1.6 Construct researchers.
1.7 Construct researchers.
1.7 Construct researchers.
1.8 Construct researchers.
1.8

stormwater system.

1.4. Construct sedimentation traps/basin including outlet control and

1.5. Coordinct turf lined sweles.
1.6. Provide sundbog sediment tups upstream of existing pits.
1.6. Provide sundbog sediment tups upstream of existing pits.
2. Construct geolecticle filter pit surround oround all proposed pits as they are constructed.
3. On completion of powernent provide send bog 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 sepage water into council's stormwater system, contractors must undertake water quality tests in conjunction with a suitably qualified environment consultant autilining the following:

Compliance with the criteria of the Australian and New Zealand Quidelines for Fresh and Marine Water Quality (2000)

If required subject to the environmental consulants 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. Duthing the proposed, angoing monitaring, contingency plans and validation program that will be in place to continually monitar the quality of water discharged from this site. This should authine the frequency of water quality testing that will be undertoken by a suitably qualified environmental consultant.

## **BULK EARTHWORKS LEGEND**

Catch drain Overland flow path

Bulk Earthworks Step (Step from low side to high side) Bulk earthworks spot level Bulk earthworks contour level Bulk earthworks plotform level

1. All work shall be generally carried out in accordance with

(A) Local authority requirements.

(B) EPA — Pollution control mormal for urban stormwater.

(C) LANDOW HSW — Musinging Urban Stormwater.

(Construction ("Blue Book")

(Construction of the Works. Should the Contractor's stoge these works then the design may be required to be moffeld. Unduffer, for these them that design may be required to the Contractor's stoge these works then the design may be required to the Contractor's stoge these works then the control of the Stormwater place of the Stormwater place of the Stormwater place of the submitted and other submitted and the conditional of the superintendent and the local authority.

4. When stormwater plits are constructed prevent site moff entering the plits unless sit fences are excelled around pits.

5. Minnines the area of site being disturbed at any one time.

6. Protect all stodybles of moderals from sour and erosion, bo not stodyble toose material in colambia, near drainage pits or in watercourses.

7. All soll 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

## HAZARDOUS MATERIALS

Existing adsettes products & contaminated mayter present on site. Controctor to ensure all hazardous materials are identified prior to commensing works. Safe working practices as per relevant authority to be adopted and appropriate PPE to be used when handling all be adopted and appropriate PPE to be used when handling all hazardous materials. Refer to generational/evironmental report by Douglas Partners (ref: 86694.00 April 2019) for details.

Asphalt pavement

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

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. MANUAL HANDLING

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

SITE ACCESS/EGRESS
Contractor to be nave site works occur in close proximity to footpaths and roadways. Contractor to exect appropriate barriers signage to protect site personnel and public.

VEHICLE MOVEMENT

Controctor to supply and comby with traffic management plan a provide adequate site traffic comby with traffic provide adequate site traffic comby marshall to supervice vehicle movements where necessary.

Siltation fence

EROSION AND SEDIMENT CONTROL LEGEND

\*\* Sandbag sediment trap Hay bale barriers Stormwater pit with Geotextile filter surround

Drawing No. C01 C02

Drawing Title
NOTES AND LEGEND SHEET
EROSION AND SEDIMENT CONTROL PLAN

CIVIL DRAWING SCHEDULE

C08 C06 C05

DETAIL SHEET 1 FLOOD PLAN BULK EARTHWORKS PLAN

SECTIONS SHEET 1

STORM WATER PLAN SITE WORKS PLAN

# **SAFETY IN DESIGN**Contractor to refer to Appendix B of the Civil Specification for the Civil Risk and Solutions Register.

SITEWORKS LEGEND

**EXISTING SERVICES LEGEND** 

Existing sewer

EXISTING SERVICES
Contractor to be aware existing Location of all services to be

F22.00 K&G

Finished contour

Finished surface

Kerb and gutter

Contractor to be oware existing services are located within the site. Location of all services to be writted by the Contractor prior to commencing works. Contractor to confirm with relevant cuthority regarding measures to be taken to ensure services are protected or procedures are in place to demoish and/or relocate. EXISTING STRUCTURES

> 8 8

Dish drain Kerb only

Existing stormwater Existing gas Existing communications Existing underground electrical Existing aerial electrical

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

Contractor to be oware existing trees exist within the site which need to be prolected. 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 Advists and/or Landscape Architect on measures required to protect trees. GROUNDWATER

1.10.00 600 \$ '2' 1.25% — Q=345 L/s 11.9.65

Subsol drainage line (100 dia)
Stammatler pit, flow direction
and line with
Invest level upsitem
Pipe size and class
Pipe grade
Flow (Littes per search)
Invest level downstream

Contractor to be aware ground water levels are close to existing surface level. Temporary de-watering may be required during construction works. 9 

GROUND CONDITIONS
Contractor to be aware of the site geotechnical conditions.
Refer to geotechnical report by Douglas Partners
(ref. 56694,00 April 2019) for details. Deep excavations due to starmwater drainage works is required. Contractor to ensure soft working procedures are in place for works. All excavations to be feneral off and bottlers adequately supported to approval of Geolectmical Engineer.

1

1

Overland flow path Grass catch drain Blockwork retaining wall

RW#

Concrete encased storms Grated drain

water line

 Asphaltic concrete shall conform to AS2150
 Pavement based on geotechnical report by PAVEMENT LEGEND NOTES





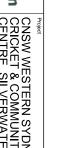
Reinforced grass parking



Cricket field soil



**P**5 Grassed and planted area's to landscape architect details



Taylor Thomson Whitting

COX ARCHITECTURE 155 Clarence St, Sydney NSW 2000

CNSW WESTERN SYDNEY CRICKET & COMMUNITY CENTRE, SILVERWATER

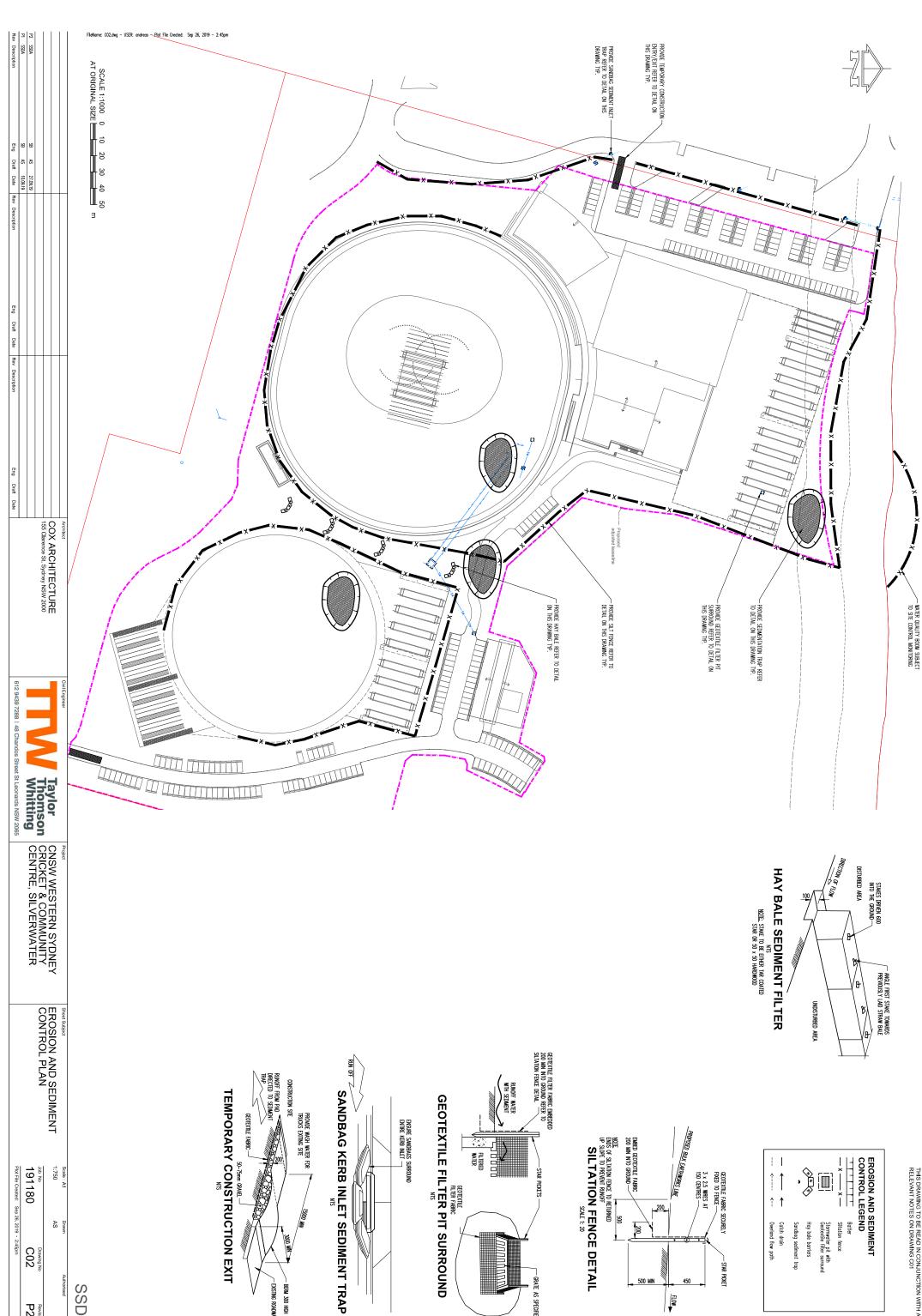
NOTES AND LEGEND SHEET

Scale : A1 Draw AS

191180 C01

Sep 27, 2019 - 4:33pm P2

SSDA



GRATE AS SPECIFIED

FLOW

— Bern 300 High Min

- EXISTING ROADWAY

C02

P2

SSDA

P3 SSDA
P2 SSDA
P1 PRE SSDA
Rev Description SCALE 1:1000 0 10 20 30 40 50 AT ORIGINAL SIZE 27.09.19 10.09.19 29.08.19 Date Rev Architect
COX ARCHITECTURE
155 Clarence St, Sydney NSW 2000 New indoor cricket building 2495M²

• F5.25

FFI.• BE. 4.75 Taylor Thomson Whitting CNSW WESTERN SYDNEY CRICKET & COMMUNITY CENTRE, SILVERWATER Stable: AT OVERALL FINISH LEVELS PLAN 1:1000 11.0.00 600 \$ '2' 1.25% Q=345 1./5 0

**P4** 

Cricket field soil profile

B

Reinforced grass parking zone

<u>Ps</u>

Grassed and planted area's to landscape architect details

191180

C05

P3

Drawn AS

SSDA

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SITEWORKS LEGEND

● F22.20 F22.00 K&G

Finished surface level

Stormwater pit, flow direction and line with Invert level upstream Pipe size and class Pipe grade Flow (Litres per second) Invert level downstream

Grated drain

8 8

Dish drain

Subsoil drainage line (100 dia)

Kerb only

Kerb and gutter Finished contour

PAVEMENT LEGEND

NOTES

1. Asphaltic concrete shall conform to ASZ150 and the specification

2. Payment based on geolechnical (raport by \$7979797999999)

Reference WZ Jate 65.06.06

ZV¥\*

Blockwork retaining wall Concrete encased stormwater line

Grass catch drain Overland flow path

\_\_mm lhickness concrete (fc=32MPc) with S.72 tabric (40 top cover) on Composted thickness fine drusted rock (06220)

**P**2

Car park resheet where required

FileName: C06.dwg - USER: andreas - Plot File Created: Sep 27, 2019 - 4:11pm SSDA SSDA PRE SSDA SCALE 1:1000 0 AT ORIGINAL SIZE ■ 10 20 30 40 50 27.09.19 10.09.19 29.08.19 Date IL2.62 Ø 525 0.79% 0.000m<sup>3</sup> IL2.28 IL4.30 ∅ 300 2.78% 0.000m<sup>3</sup> IL4.05 IL4.00 ∅ 375 0.78% 0.000m<sup>3</sup> IL3.56 IL3.50 Ø 525 0.74% 0.000m<sup>3</sup> IL3.38 IL2.25 Ø 525 0.65% 0.000m³ Architect
COX ARCHITECTURE
155 Clarence St, Sydney NSW 2000 IL2.16 0.525 0.000m 0.000m New indoor cricket building 2495M<sup>2</sup> IL1.97 Ø 600 0.84% 0.000m IL3.22 Ø525 0.83% 0.000m³ 0.80% 0.000m IL2.62 Ø 450 2.72%-0.000m<sup>3</sup> IL1.40 F 5.20 (25) ||L1.58 ||0.59% ||L1.55 0.81% 0.000m<sup>3</sup> IL1.13 Ø 525 0.80% 0.000m³ IL3.10 Ø 525 0.99% 0.000m<sup>3</sup> IL2.65 ||L2.40 ||2.300 ||1.07% ||L2.35 L1.32 ∅ 375 2.02% 0.000m<sup>3</sup> L1.13 BUILT OVER EXISTING CULVERT IL1.37 Ø525 0.74% 0.000m<sup>3</sup> IL3.40 Ø 300 0.90% 0.000m<sup>3</sup> IL3.13 IL1.75 Ø 300 2.18% 0.000m³ Taylor Thomson Whitting IL3.66 Ø 225 0.89%— 0.000m<sup>3</sup> IL3.45 IL2.50 Ø 300 1.93% 0.000m³ CNSW WESTERN SYDNEY CRICKET & COMMUNITY CENTRE, SILVERWATER #L3.05 #300 11.39% 1L2.57 Sheet Studied Scale: A1 OVERALL STORMWATER PLAN 1:1000 |L10.00 600 \$ '2' 1.25% |L365 | L365 RW# SITEWORKS LEGEND **P**5 **P**4 3 2 F22.20 K&G 8 191180 Plot File Created: Sep 27, 2019 - 4:11pm ....mm Thickness concrete (fc=32MPo) with SL72 fabric (40 top cover) on ....mm Compocited thickness fine crushed rock (06920)

Grassed and planted area's to landscape architect details

Drawn

SSDA

C06

P3

Cricket field soil profile

Reinforced grass parking zone

Car park resheet where required

Grass catch drain Overland flow path

Blockwork retaining wall

Concrete encased stormwater line

Grated drain

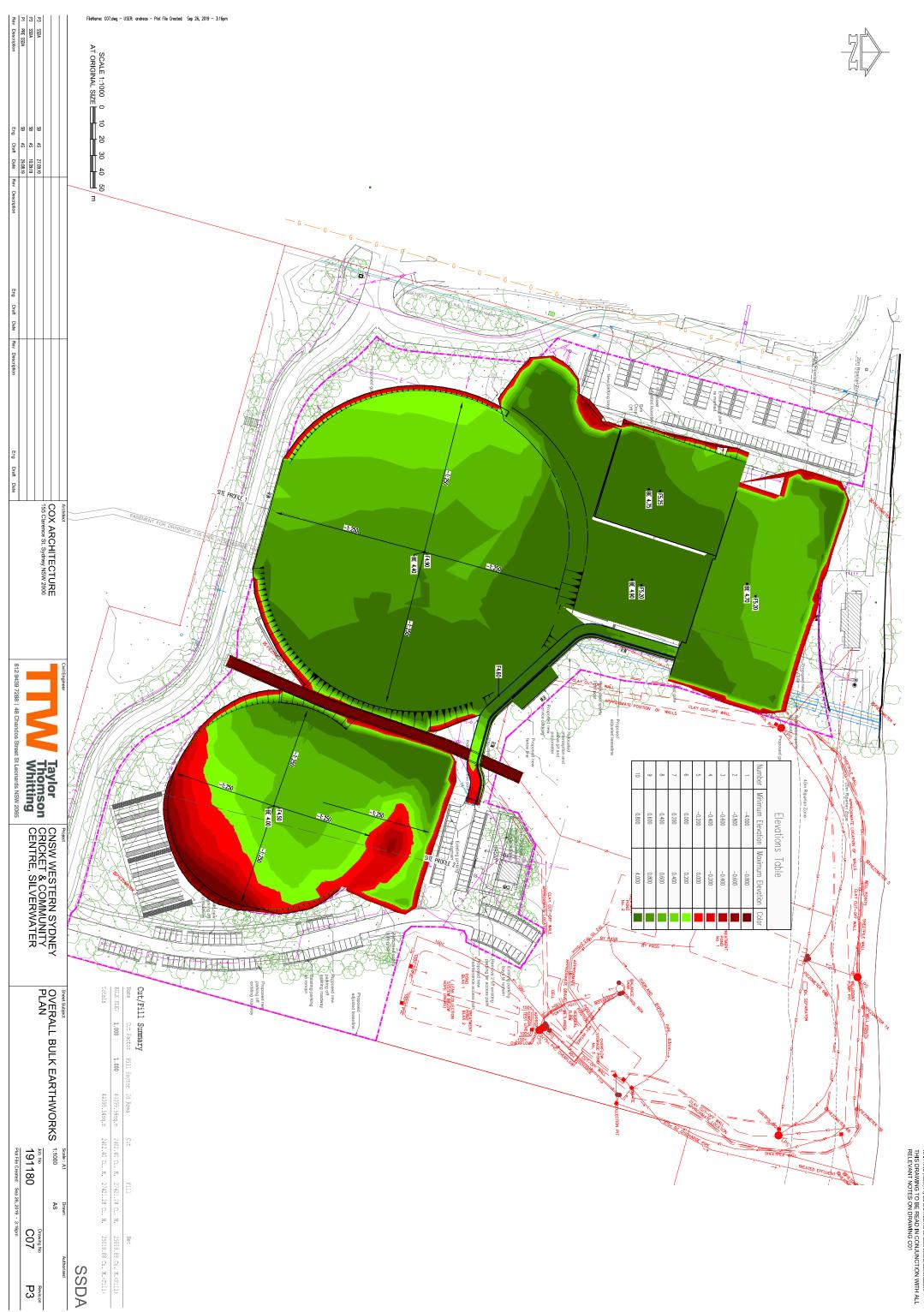
Stornwater pit, flow direction and line with Invert level upstream Pipe size and class Pipe grade Flow (Litres per second) Invert level downstream

Dish drain Kerb only

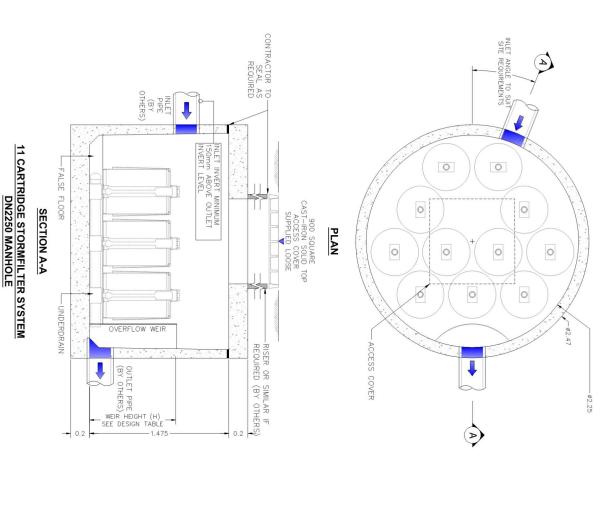
Kerb and gutter Finished contour Finished surface level

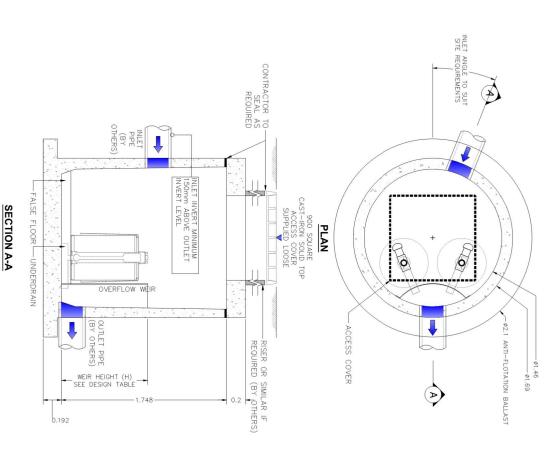
Subsoil drainage line (100 dia)

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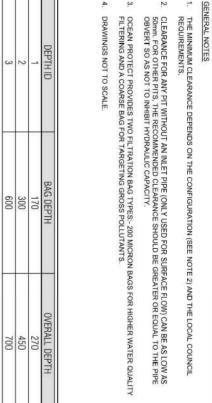


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# 2 CARTRIDGE STORMFILTER SYSTEM DN1460 MANHOLE



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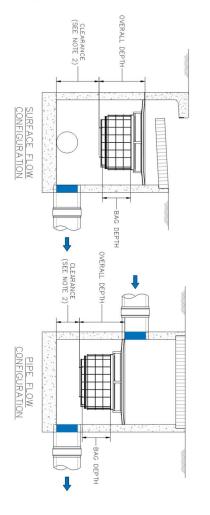
27.09.19 t Date Rev Description

Eng

Draft Date Rev

Eng

Draft Date





OCEANGAURD

CNSW WESTERN SYDNEY CRICKET & COMMUNITY CENTRE, SILVERWATER

DETAILS SHEET 1

Scale : A1 AS SHOWN

Drawn

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191180

C20

Revision P1

# STORMFILTER DESIGN TABLE

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- AUS SHOWN ACTUAL CONFIGURATION OF THE SPECIFIED STRUCTURE(S) PER CERTIFYING
- STORMFILTER TREATMENT CAN THE STANDARD CONFIGURATIO ENGINEER WILL BE SHOWN ON FILTER CARTRIDGES SHALL BE MEDIA DEPTH SHALL BE 178mm SUBMITTAL DRAWNING(S).
  WEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF-CLEANING, RADIAL

	THE STATE OF THE S		- PASSHORN		SIP	SICA STORMALTER			T -		CARTRIDGE FLOW RATE FOR PSORB MEDIA (L/s)	CARTRIDGE FLOW RATE FOR ZPG MEDIA (L/s)	TYPICAL WEIR HEIGHT [H] (mm)	CARTRIDGE PHYSICAL HEIGHT (mm)	CARTRIDGE NAME / SIPHON HEIGHT (mm)
INI ET PIPE #3	INLET PIPE #2	INLET PIPE #1	PIPE DATA:	HYDRAULIC CAPACITY (L/S)	WATER QUALITY	MEDIA TYPE (ZPG / PSORB	SIPHON HEIGHT	NUMBER OF CA	STRUCTURE ID	DAT	6.0	1.6	920	840	690
			I.L. MA	PACITY (L/S)	WATER QUALITY FLOW RATE (L/S)	G / PSORB)	SIPHON HEIGHT (310 / 460 / 690)	NUMBER OF CARTRIDGES REO'D		SITE SPECIFIC DATA REQUIREMENTS	0.46	1.1	690	600	460
		MATERIAL DIAMETER	90				00		VENTS	0.39	0.7	540	600	310	

#### GENERAL NOTES

CARTRIDGE DETAIL

PRECAST STRUCTURE SUPPLIED WITH CORE HOLES TO SUIT OUTER DIAMETER OF NOMINATED PIPE SIZE / MATERIAL

PRECAST LID WEIGHT

2000kg

- PRECAST STRUCTURE SHALL MEET WIID WHEEL LOAD RATING ASSUMING A MAXIMUM EARTH COVER OF 20m AND A GROUND WATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION, CERTIFYING ENGINEER TO CONFIRM ACTUAL GROUNDWATER ELEVATION, PRECAST STRUCTURE SHALL BE IN ACCORDANCE WITH ASSOCI
- IF THE PEAK FLOW RATE, AS DETERMINED BY THE SITE CERTIFYING ENGINEER, EXCEEDS THE PEAK HYDRAULIC CAPACITY OF THE SYSTEM, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.
- ALL WATER QUALITY TREATMENT DEVICES REQUIRE PERIODIC MAINTENANCE, REFER TO OPERATION AND MAINTENANCE MANUAL FOR GUIDELINES AND ACCESS REQUIREMENTS.
- SITE SPECIFIC PRODUCTION DRAWING WILL BE PROVIDED ON PLACEMENT OF ORDER
- DRAWING NOT TO SCALE.

### INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY CERTIFYING ENGINEER.
- CONTRACTOR TO PROVIDE ALL EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER STRUCTURE (LIFTING DETAIL PROVIDED SEPARATELY).
- CONTRACTOR TO APPLY SEALANT TO ALL JOINTS AND TO PROVIDE, INSTALL AND GROUT INLET AND OUTLET PIPES.