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

KAMBALA SPORTS PRECINCT
794 NEW SOUTH HEAD ROAD
ROSE BAY NSW

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
AJ+C	LEVEL 1 PLAN	DA2101	4	09.06.20
AJ+C	LEVEL 2 PLAN	DA2102	4	09.06.20
RPS	TREE & UTILITIES SURVEY	PR145951	C	26.02.20

SURVEY AND SERVICES INFORMATION

SURVEY

Origin of levels : SSM42781
Datum of levels : A.H.D. AUSTRALIAN HEIGHT DATUM
Coordinate system : MGA
Survey prepared by : RPS
Setout 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 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.

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

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.

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 = 265 mm/hr
5% AEP = 204 mm/hr
(C) Rainfall losses –
Impervious areas: IL = 1.5 mm , CL = 0 mm/hr
Pervious areas: IL = 28 mm , CL = 1.6 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 – **C07**
Final internal pit dimensions are to comply with AS3500

Type	Description	Cover (Clear Opening)	Number
B	Surface inlet pit	600 x 900 Class C galvanised mild steel grate hinged to frame	7,13,14,15 19
C	Junction pit	900 x 900 Class D cast iron cover with concrete infill	2,3,4,5,6
D	OSD & Rain water tank access pit	900 x 900 Class D cast iron cover with concrete infill	8,9,10,11,12 16,17
E	EXISTING PIT	–	1,18

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.

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.

BOUNDARY AND EASEMENT NOTE

The property boundary and easement locations shown on Taylor Thomson Whitting drawing's have been based from information received from : **C.M.S**

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 (Douglas Partners) 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 (Douglas Partners) 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.

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

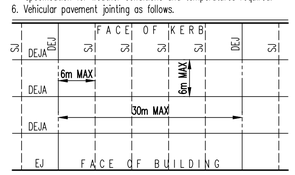
FORMWORK

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

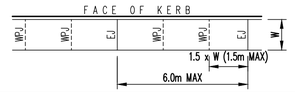
Vehicular Pavement Jointing

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.

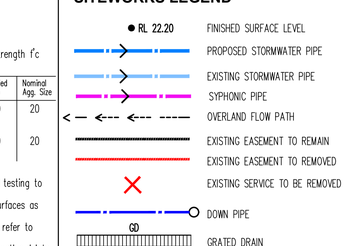


Pedestrian Footpath Jointing

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).



SITEWORKS LEGEND



CIVIL DRAWING LIST

Drawing No.	Drawing Title
C01	GENERAL NOTES AND LEGEND
C02	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS
C05	OVERALL SITEWORKS PLAN (BACKGROUND LEVEL 1)
C06	OVERALL SITEWORKS PLAN (BACKGROUND LEVEL 2)
C07	DETAIL SHEET 1
C08	OSD TANK DETAILS
C10	SPEL DETAILS

FileName: C01.dwg – USER: lorne – Plot File Created: Jul 03, 2020 – 9:50am

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
B	ISSUED FOR DA	LE	MB	03.07.20
A	ISSUED FOR DA	LE	LW	23.04.20

Architect
AJ+C Allen Jack+Cottier
79 MYRTLE STREET CHIPPENDALE NSW, 2008

Civil Engineer
TTW Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
KAMBALA SPORTS PRECINCT
ROSE BAY NSW

Sheet Subject
NOTES AND LEGEND SHEET

Scale : A1 NTS | Drawn MB | Authorised

Job No 191896 | Drawing No C01 | Revision B

Plot File Created: Jul 03, 2020 - 9:50am

ISSUED FOR DA
NOT TO BE USED FOR CONSTRUCTION

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

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 adopted 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.
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1.4. Construct sedimentation traps/basin including outlet control and overflow.
1.5. Construct turf lined swales.
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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:

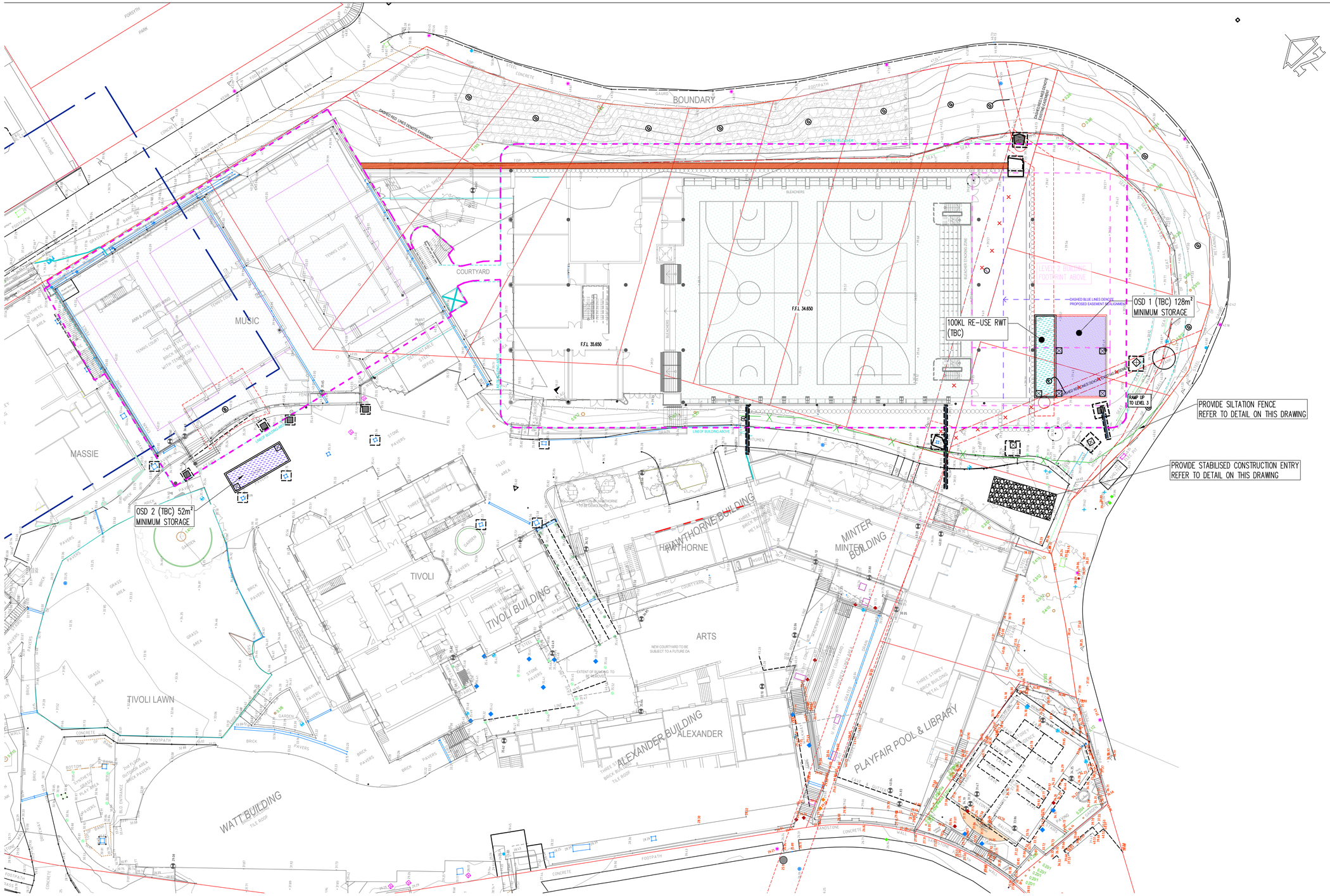
- Compliance with the criteria of the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2000)
- If required subject to the environmental consultants advice, provide remedial measures to improve the quality of water that is to be discharged into Councils storm water drainage system.This 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.

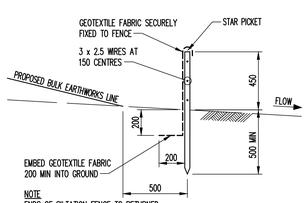
EROSION AND SEDIMENT CONTROL PUMP OUT NOTES

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 gas 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 hale bail 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.

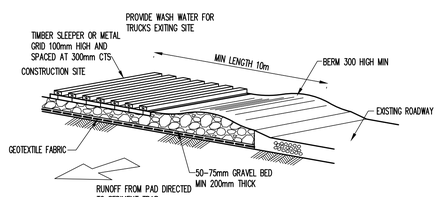
EROSION AND SEDIMENT CONTROL LEGEND

- Batter
- Siltation fence
- Stormwater pit with Geotextile filter surround
- Hay bale barriers
- Sandbag sediment trap
- Catch drain
- Overland flow path

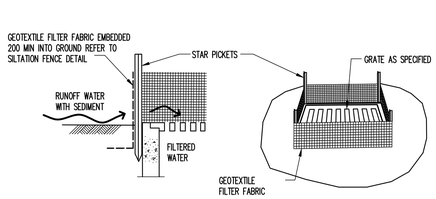




SILTATION FENCE DETAIL
SCALE 1: 20



TEMPORARY CONSTRUCTION VEHICLE EXIT
NTS



GEOTEXTILE FILTER PIT SURROUND
NTS

SCALE 1:250 0 2.5 5 7.5 10 12.5 m AT ORIGINAL SIZE

SCALE 1:200 0 2 4 6 8 10 m AT ORIGINAL SIZE

FileName: C02.dwg – USER: larae – Plot File Created: Jul 07, 2020 – 11:39am

ISSUED FOR DA

NOT TO BE USED FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date
C	ISSUED FOR DA	LE	MB	07.07.20
B	ISSUED FOR DA	LE	MB	03.07.20
A	ISSUED FOR DA	LE	LW	23.04.20

Architect: AJ+C Allen Jack+Cottier, 79 MYRTLE STREET CHIPPENDALE NSW, 2008

Engineer: TTW Structural Civil Traffic Façade, 612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project: KAMBALA SPORTS PRECINCT, ROSE BAY

Sheet Subject: EROSION AND SEDIMENT CONTROL PLAN AND DETAILS

Scale : B1	Drawn	Authorised
1:250	AS	SB

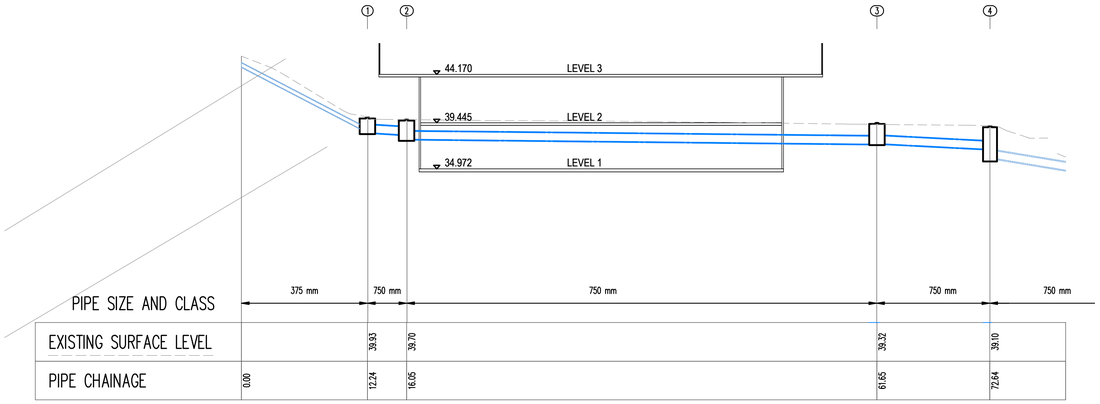
Job No	Drawing No	Revision
191896	C02	C

Plot File Created: Jul 07, 2020 - 11:39am

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

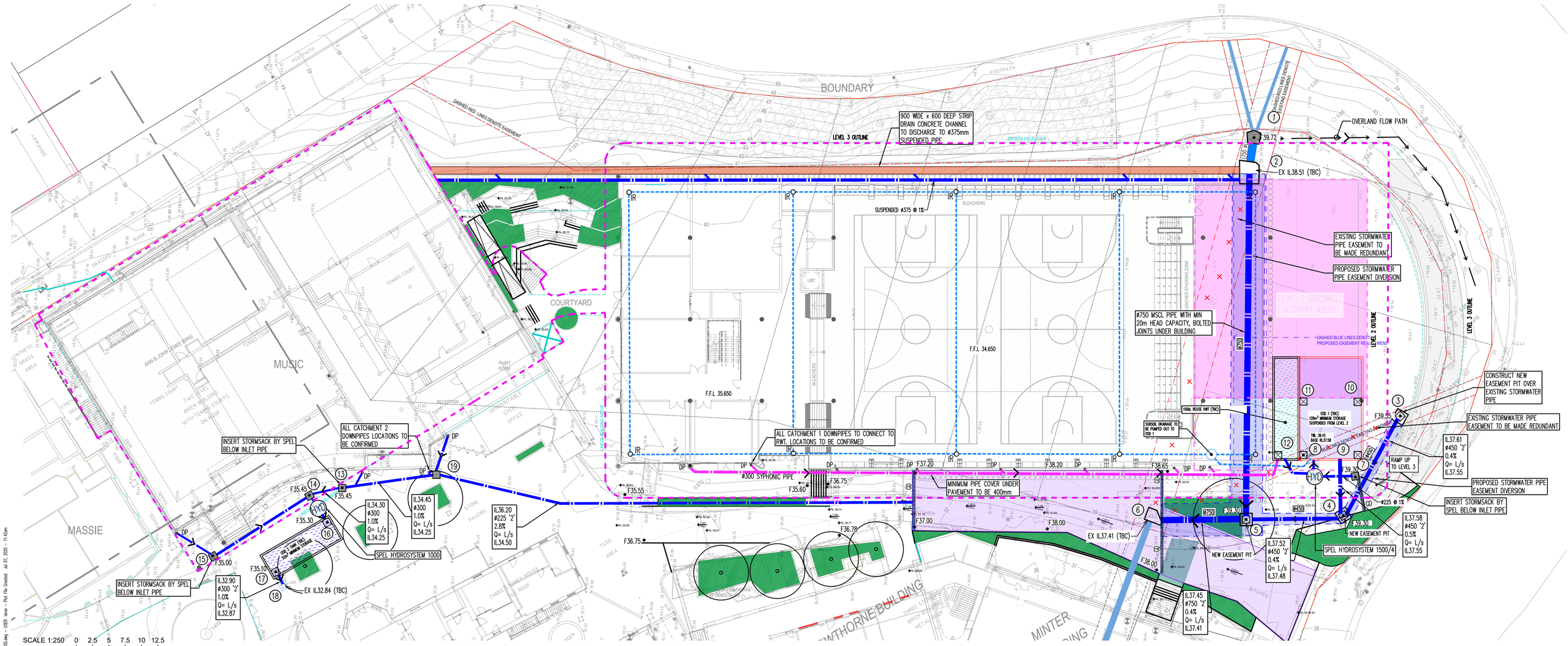
SITEWORKS LEGEND

- RL 22.20 — FINISHED SURFACE LEVEL
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- OVERLAND FLOW PATH
- PROPOSED EASEMENT
- EXISTING EASEMENT TO REMOVED
- EXISTING SERVICE TO BE REMOVED
- DOWN PIPE
- GD — GRATED DRAIN



PIPE SIZE AND CLASS	375 mm	750 mm	750 mm	750 mm	750 mm
EXISTING SURFACE LEVEL		39.93	39.70	39.32	39.10
PIPE CHAINAGE	0.00	12.24	16.05	61.65	72.64

STORMWATER LONGITUDINAL SECTION
Scale: 1:250
DATUM: RL20.00



Rev	Description	Eng	Draft	Date
C	ISSUED FOR DA	LE	MB	07.07.20
B	ISSUED FOR DA	LE	MB	03.07.20
A	ISSUED FOR DA	LE	MB	23.04.20

Architect
AJ+C
ALLEN JACK+COTTIER
79 MYRTLE STREET CHIPPENDALE NSW, 2008

Engineer
TTW Structural Civil Traffic Façade
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
KAMBALA SPORTS PRECINCT, ROSE BAY

Sheet Subject
OVERALL SITEWORKS PLAN (Background Level 1)

Scale : B1 — 1:200
Drawn — AS
Authorised — SB
Job No — 191896
Drawing No — C05
Revision — C
Plot File Created: Jul 07, 2020 - 11:42am

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NOT TO BE USED FOR CONSTRUCTION

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

SITEWORKS LEGEND

● RL 22.20	FINISHED SURFACE LEVEL
	PROPOSED STORMWATER PIPE
	EXISTING STORMWATER PIPE
	OVERLAND FLOW PATH
	PROPOSED EASEMENT
	EXISTING EASEMENT TO REMOVED
✕	EXISTING SERVICE TO BE REMOVED
	DOWN PIPE
GD	GRATED DRAIN

ISSUED FOR DA

NOT TO BE USED FOR CONSTRUCTION

SCALE 1:250 0 2.5 5 7.5 10 12.5 m AT ORIGINAL SIZE

SCALE 1:200 0 2 4 6 8 10 m AT ORIGINAL SIZE

FileName: C06.dwg - USER: mohitb - Plot File Created: Jul 07, 2020 - 9:51am

Rev	Description	Eng	Draft	Date
B	ISSUED FOR DA	LE	MB	07.07.20
A	ISSUED FOR DA	LE	MB	03.07.20

Architect: AJ+C ALLEN JACK+COTTIER, 79 MYRTLE STREET CHIPPENDALE NSW, 2008

Engineer: TTW Structural Civil Traffic Façade, 612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project: KAMBALA SPORTS PRECINCT, ROSE BAY

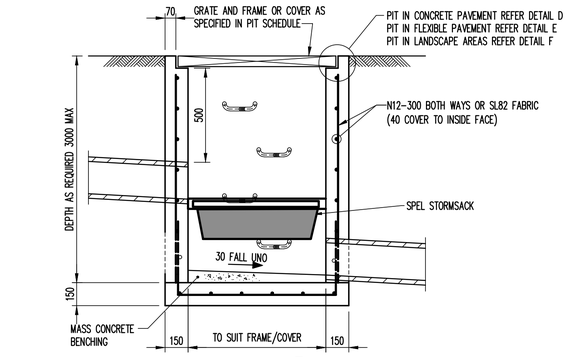
Sheet Subject: OVERALL SITEWORKS PLAN (Background Level 2)

Scale : B1	Drawn	Authorised
1:200	AS	SB

Job No	Drawing No	Revision
191896	C06	B

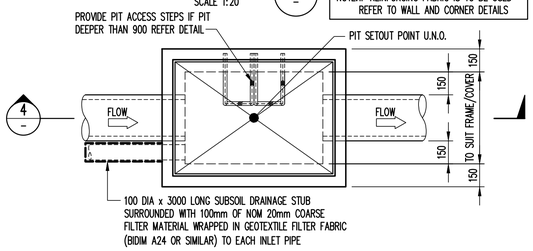
Plot File Created: Jul 07, 2020 - 9:51am

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



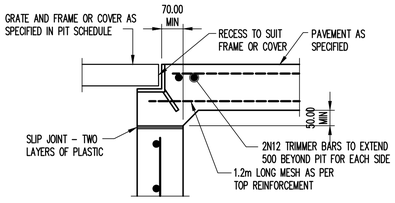
SECTION 4 –
SCALE 1:20

NOTE:IF REINFORCING FABRIC IS TO BE USED REFER TO WALL AND CORNER DETAILS

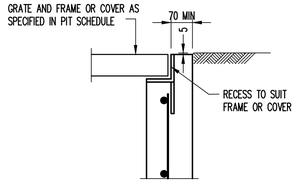


PLAN
SCALE 1: 20

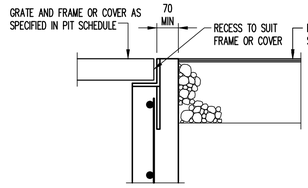
PIT TYPE B



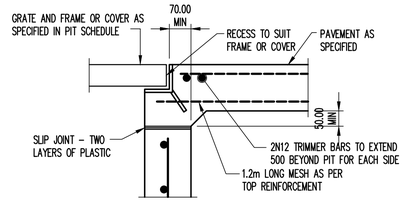
DETAIL G
SCALE 1: 10



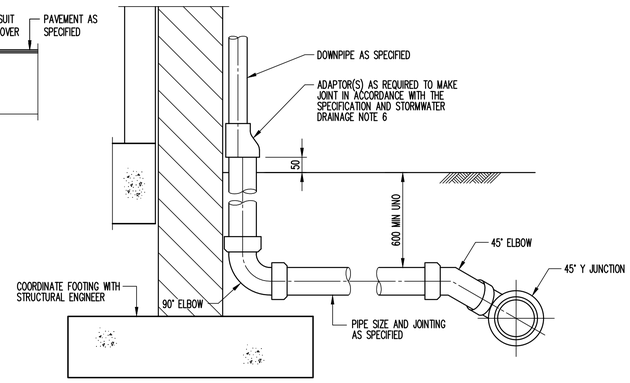
DETAIL F
SCALE 1: 10



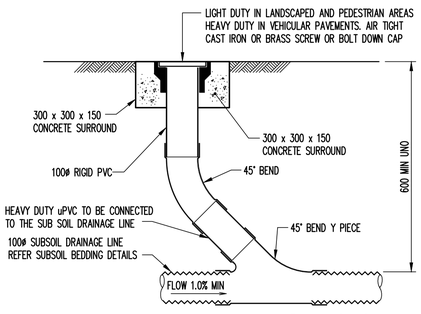
DETAIL E
SCALE 1: 10



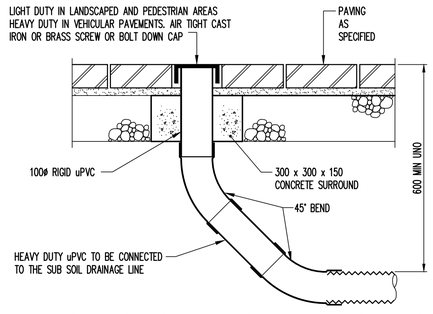
DETAIL D
SCALE 1: 10



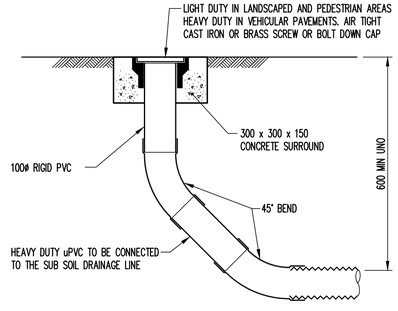
DOWNPIPE CONNECTION TO uPVC STORMWATER
SCALE 1: 10



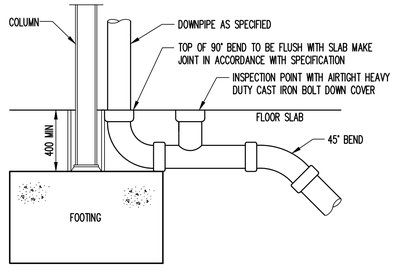
INTERMEDIATE RISER (IR)
SCALE 1: 10
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



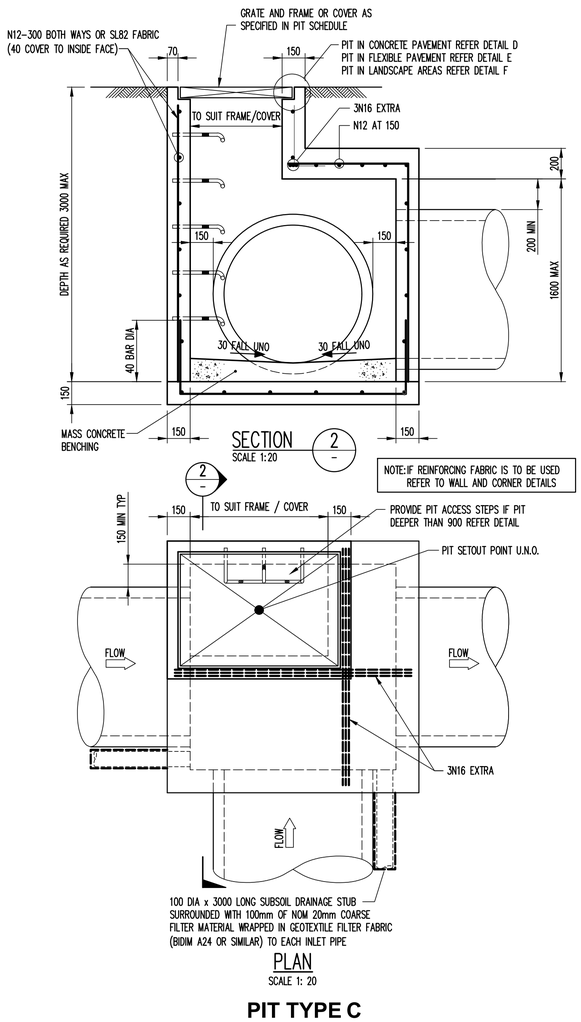
FLUSHING POINT (FP) IN PAVING BRICKS
SCALE 1: 10



FLUSHING POINT (FP)
SCALE 1: 10
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED

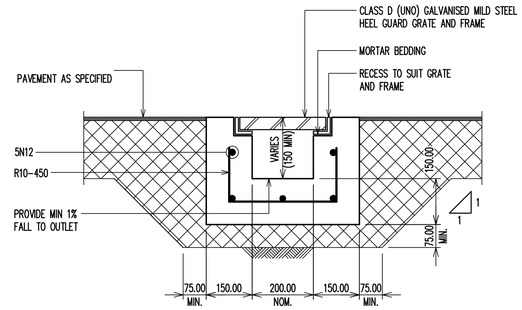


INTERNAL uPVC DOWNPIPE CONNECTION
SCALE 1: 20

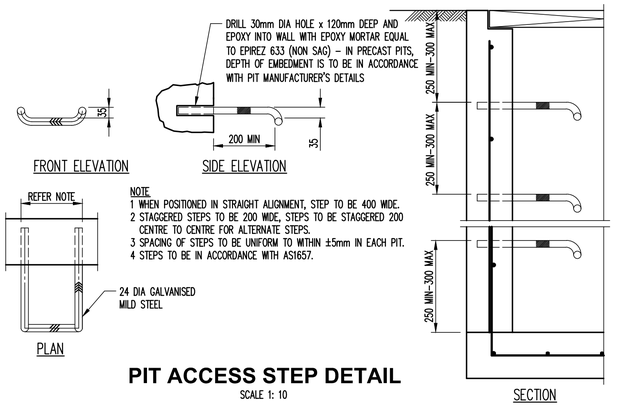


PLAN
SCALE 1: 20

PIT TYPE C



GRATED DRAIN TYPE A (GD)
SCALE 1:10



PIT ACCESS STEP DETAIL
SCALE 1: 10

FileName: 07-dwg - USER: lorve - Plot File Created: Jul 03, 2020 - 10:00am

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
B	ISSUED FOR DA	LE	MB	03.07.20
A	ISSUED FOR DA	LE	LW	23.04.20

Architect
AJ+C Allen Jack+Cottier
79 MYRTLE STREET CHIPPENDALE NSW, 2008

Civil Engineer
TTW Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
KAMBALA SPORTS PRECINCT
ROSE BAY NSW

Sheet Subject
TYPICAL DETAILS SHEET 1

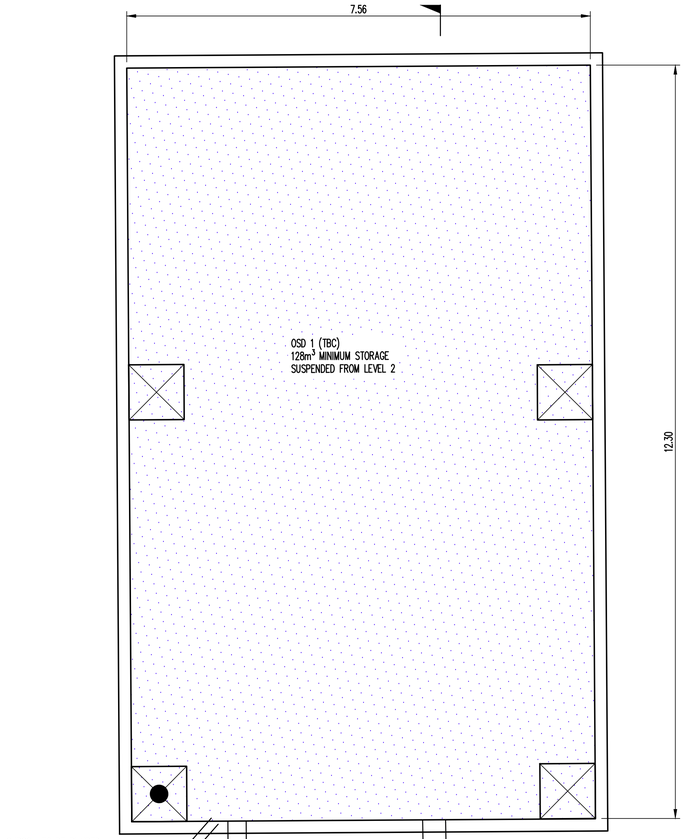
Scale : A1 — AS SHOWN
Drawn — MB
Authorised

Job No — 191896
Drawing No — C07
Revision — B

Plot File Created: Jul 03, 2020 - 10:00am

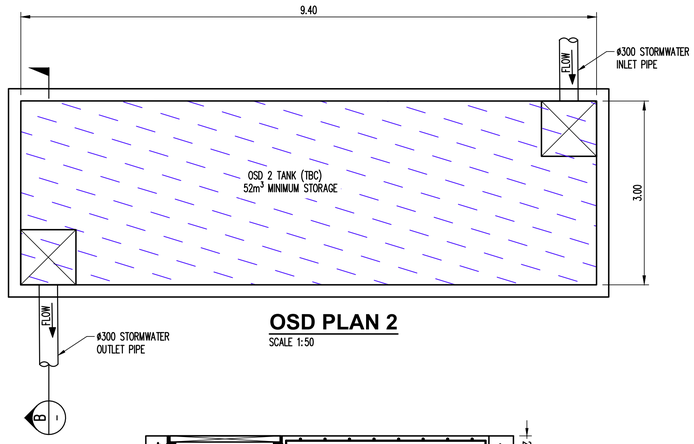
ISSUED FOR DA
NOT TO BE USED FOR CONSTRUCTION

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



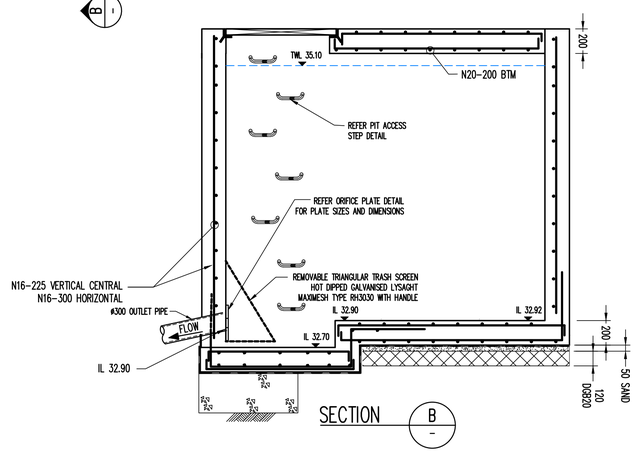
OSD PLAN 1

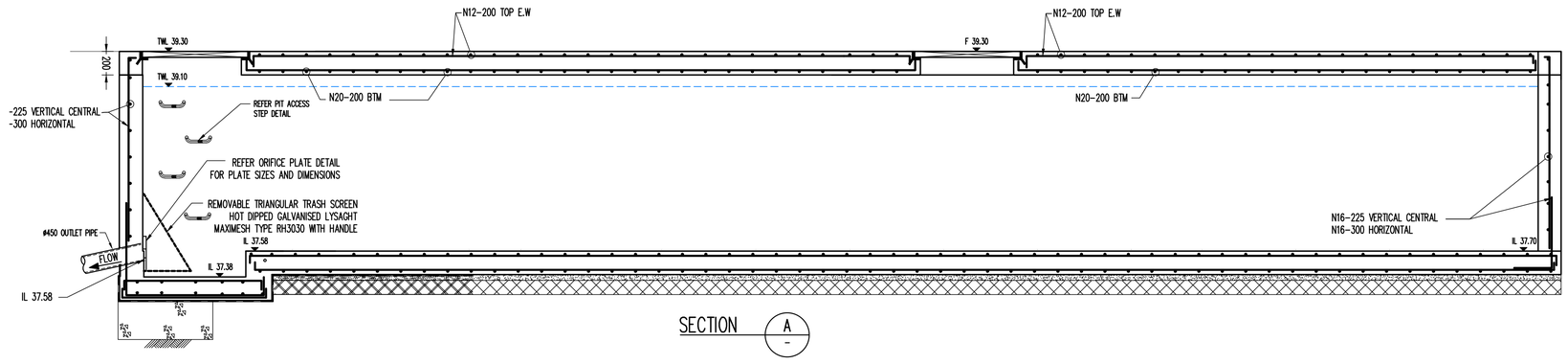
SCALE 1:50

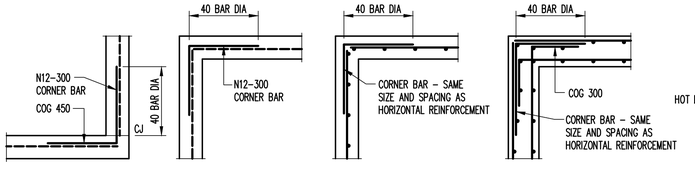


OSD PLAN 2

SCALE 1:50

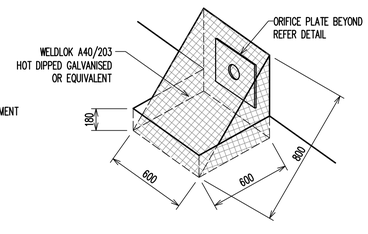






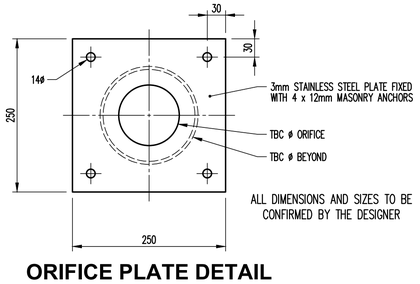
PIT CORNER DETAILS

SCALE 1: 20



TRASH SCREEN DETAIL

NTS



ORIFICE PLATE DETAIL

SCALE 1:

FileName: C08.dwg - USER: lanw - Plot File Created: Jul 03, 2020 - 11:40am

A1 0 1 2 3 4 5 6 7 8 9 10

ISSUED FOR DA

NOT TO BE USED FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date
B	ISSUED FOR DA	LE	MB	03.07.20
A	ISSUED FOR DA	LE	LW	23.04.20

Architect
AJ+C Allen Jack+Cottier
79 MYRTLE STREET CHIPPENDALE NSW, 2008

Civil Engineer
TTW Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
KAMBALA SPORTS PRECINCT
ROSE BAY NSW

Sheet Subject
OSD TANK DETAILS

Scale : A1 AS SHOWN | Drawn MB | Authorised

Job No 191896 | Drawing No C08 | Revision B

Plot File Created: Jul 03, 2020 - 11:40am

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

REVISION HISTORY				
REV	DESCRIPTION	DESIGNER	DATE	CHECKED BY
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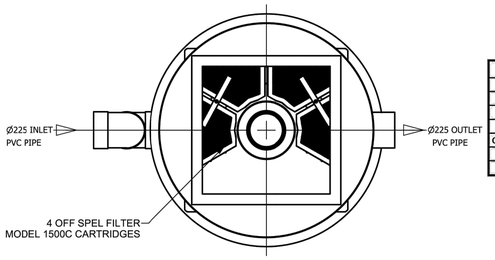
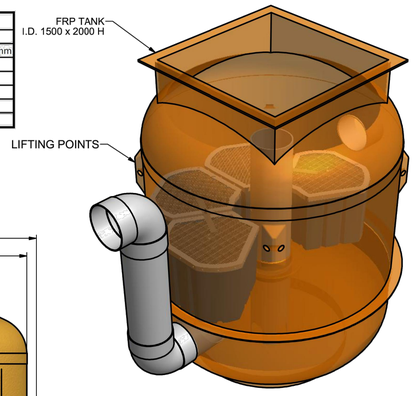
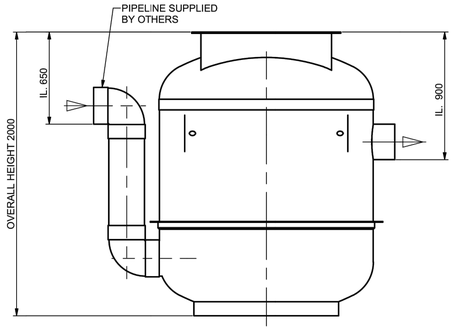


PLAN VIEW

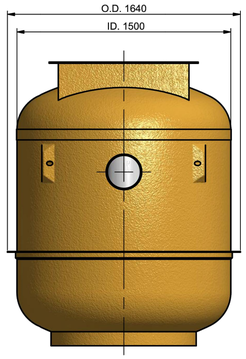
Site Level Confirmation		
Finished Surface Level (FSL)	RL:	
Access Cover Thickness		mm
Inlet Invert Level	RL:	
Outlet Invert Level	RL:	
Company:		
Name:		
Date:		



ISOMETRIC VIEW



ELEVATION VIEW



SIDE VIEW
OUTLET

APPROVED..... ☐
NAME.....
SIGNED.....
DATE...../...../.....

ISSUED FOR CONSTRUCTION

NOTICE:
SYSTEM PIPEWORK MUST HAVE AT LEAST 250 MM OF FALL TO OPERATE CORRECTLY.

TOLERANCE: ALL DIMENSIONS 10mm UNLESS OTHERWISE STATED.

CLIENT:

DISTRIBUTOR :

Drawn	M.M.	Date 9/10/2017
Check		Date 7/05/2015
Verified		Date
Approved		Date
Request No.	RN4627	

SPEL ENVIRONMENTAL INTEGRATED WATER SOLUTIONS
100 Silverwater Road Silverwater NSW 2128
PH: 1300 773500 | E:sales@spel.com.au
www.spel.com.au

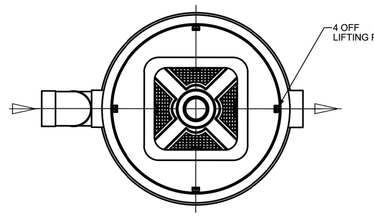
PROJECT :

TITLE
SPEL HYDROSYSTEM 1500
SHS.1500-1500C-04.225.PVC
FRP TANK 1500 DIA.- 4 FILTER CARTRIDGES
GENERAL ARRANGEMENT

SCALE	SIZE	SHEET	REV
N.T.S	A3	1	1

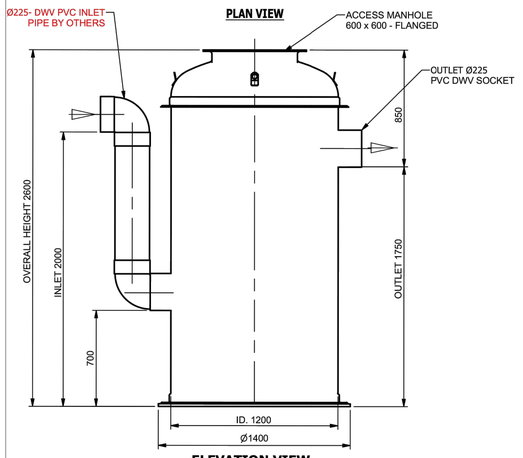
CUSTOMER CODE :

DWG No. SP17-HY39690-S

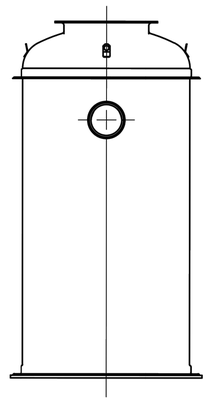


PLAN VIEW

Site Level Confirmation		
Finished Surface Level (FSL)	RL:	
Access Cover Thickness		mm
Inlet Invert Level	RL:	
Outlet Invert Level	RL:	
Company:		
Name:		
Date:		

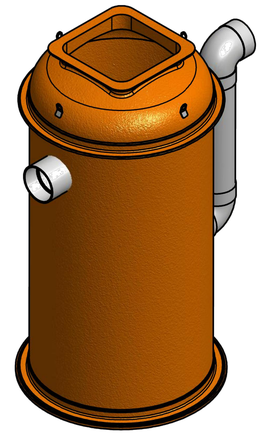


ELEVATION VIEW



SIDE VIEW
OUTLET

REVISION HISTORY				
REV	DESCRIPTION	DESIGNER	CREATION DAT	CHECKED BY
1	INITIAL RELEASE	M.MAKIN	03/11/2016	



ISOMETRIC VIEW

APPROVED..... ☐
NAME.....
SIGNED.....
DATE...../...../.....

ISSUE FOR APPROVAL
NOT FOR CONSTRUCTION

NOTICE:
SYSTEM PIPEWORK MUST HAVE AT LEAST 250 MM OF FALL TO OPERATE CORRECTLY.

TOLERANCE: ALL DIMENSIONS 10mm UNLESS OTHERWISE STATED.

ALL INTERCONNECTING PIPEWORK, PITS AND ASSOCIATED DRAINAGE BY OTHERS

DISTRIBUTOR :

Drawn	M.MAKIN	Date 03-11-16
Check		Date
Verified		Date
Approved		Date
Request No.	RN1816	

SPEL ENVIRONMENTAL INTEGRATED WATER SOLUTIONS
100 Silverwater Road Silverwater NSW 2128
PH: 1300 773 500 | E: sales@spel.com.au
www.spel.com.au

PROJECT :

TITLE
SPEL HYDROSYSTEM - 12 LPS
SHS.1000.4F.225
GENERAL ARRANGEMENT

SCALE	SIZE	SHEET	REV
N.T.S	A3	1	1

CUSTOMER CODE :

DWG No. SP16-HY12220-S

REVISION HISTORY				
REV	DESCRIPTION	DESIGNER	DATE	CHECKED BY
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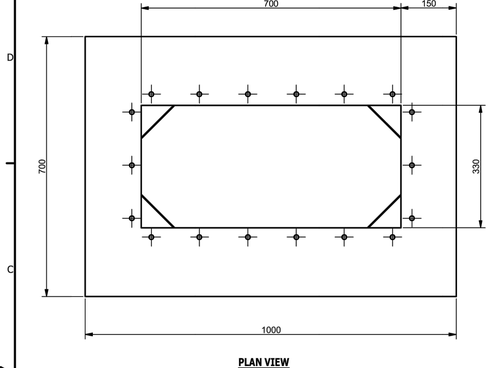
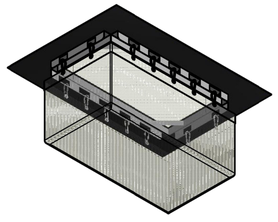
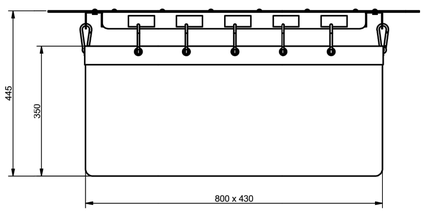


PLAN VIEW

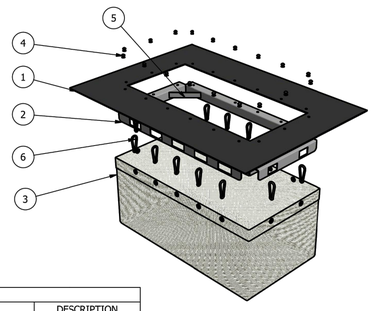


ISOMETRIC VIEW
BOTTOM VIEW

APPROVED..... ☐
NAME.....
SIGNED.....
DATE...../...../.....



ELEVATION VIEW



ISOMETRIC VIEW
EXPLOSION

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	PLASTIC SHEETING	HDPE
2	4	SHEET METAL BENDING	STAINLESS STEEL 304
3	1	TEXTILE FABRIC & MESH LINER	HDPE
4	18	BLIND RIVIT 7 DIA.	STAINLESS STEEL 304
5	4	CORNER ESTIFFENER - FLAT BAR 25 x 2 - 141 LG	STAINLESS STEEL 304
6	14	CARABINER CLIP 6	ALUMINIUM

ISSUE FOR APPROVAL
NOT FOR CONSTRUCTION

CLIENT:

DISTRIBUTOR

Drawn	M.M	Date 25/03/2015
CHECKED BY		Date
Verified		Date
Approved		Date
Customer Code :		

SPEL ENVIRONMENTAL INTEGRATED WATER SOLUTIONS
100 Silverwater Road Silverwater NSW 2128
PH: 1300 773 500 | E: sales@spel.com.au
www.spel.com.au

TITLE
SPEL STOMSACK
FRAME 900 x 600
BASKET MOUNTING - ASSEMBLY DRAWING

REQUEST No.	SIZE	SHEET	REV
D20448	A3	1	1

SCALE N.T.S

DWG No. SP15-BB4620-S

FileName: C10.dwg – USER: mbhlb – Plot File Created: Jul 02, 2020 – 4:39pm

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
B	ISSUED FOR DA	LE	MB	02.07.20
A	ISSUED FOR DA	LE	LW	23.04.20

Architect
AJ+C ALLEN JACK+COTTIER
79 MYRTLE STREET CHIPPENDALE NSW, 2008

Civil Engineer
TTW Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
KAMBALA SPORTS PRECINCT
ROSE BAY NSW

Sheet Subject
SPEL DETAILS

Scale : A1	Drawn	Authorised
AS SHOWN	MB	

Job No	Drawing No	Revision
191896	C10	B

Plot File Created: Jul 02, 2020 - 4:39pm

ISSUED FOR DA
NOT TO BE USED FOR CONSTRUCTION