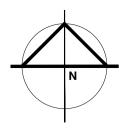
Check all dimensions on site prior to commencement of the work shown on the drawing. Work to figured dimensions where given.

Report any discrepancies or omissions to the architect for resolution before proceeding with the work.
All work to comply with the Australian Standards;The National



movements

according to

solution.

site area.

create flood

basin.

pond #4.

use during

solutions.

construction

Legend





Expansion
Stockpile Areas



Expansion Areas

Civil Engineering works to create sediment pond #5 according to civil engineering solution. Existing Household Recycling Centre

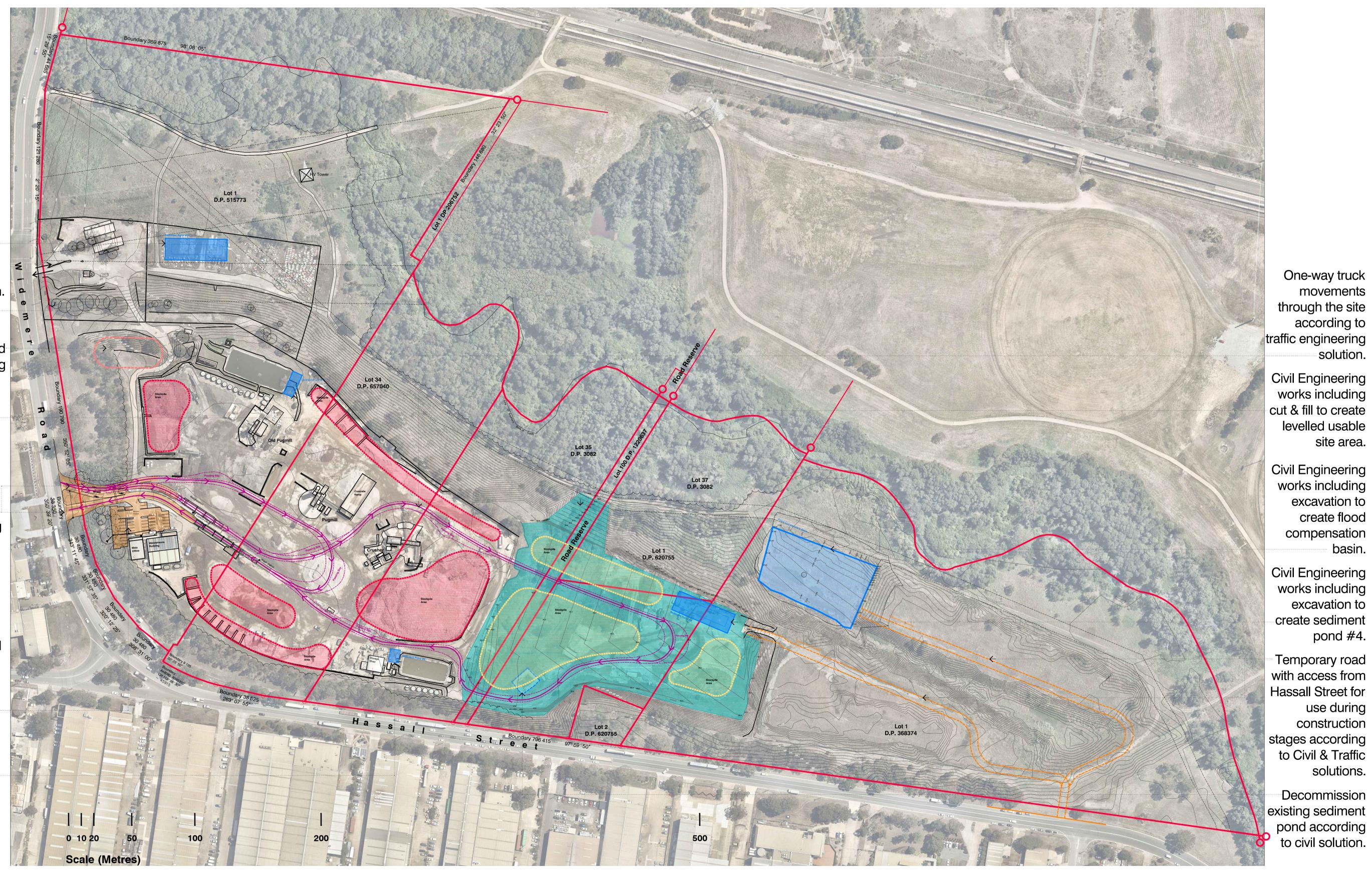
Location for Approved Community Recycling Centre

Civil Engineering works to sediment pond #1 to create a forebay & dosing facility.

Civil/Driveway **Entry-Exit Widening** according to civil & traffic engineering solutions.

Staff & Visitor Parking area revised & expanded according to civil & traffic engineering solutions. (33 Spaces)

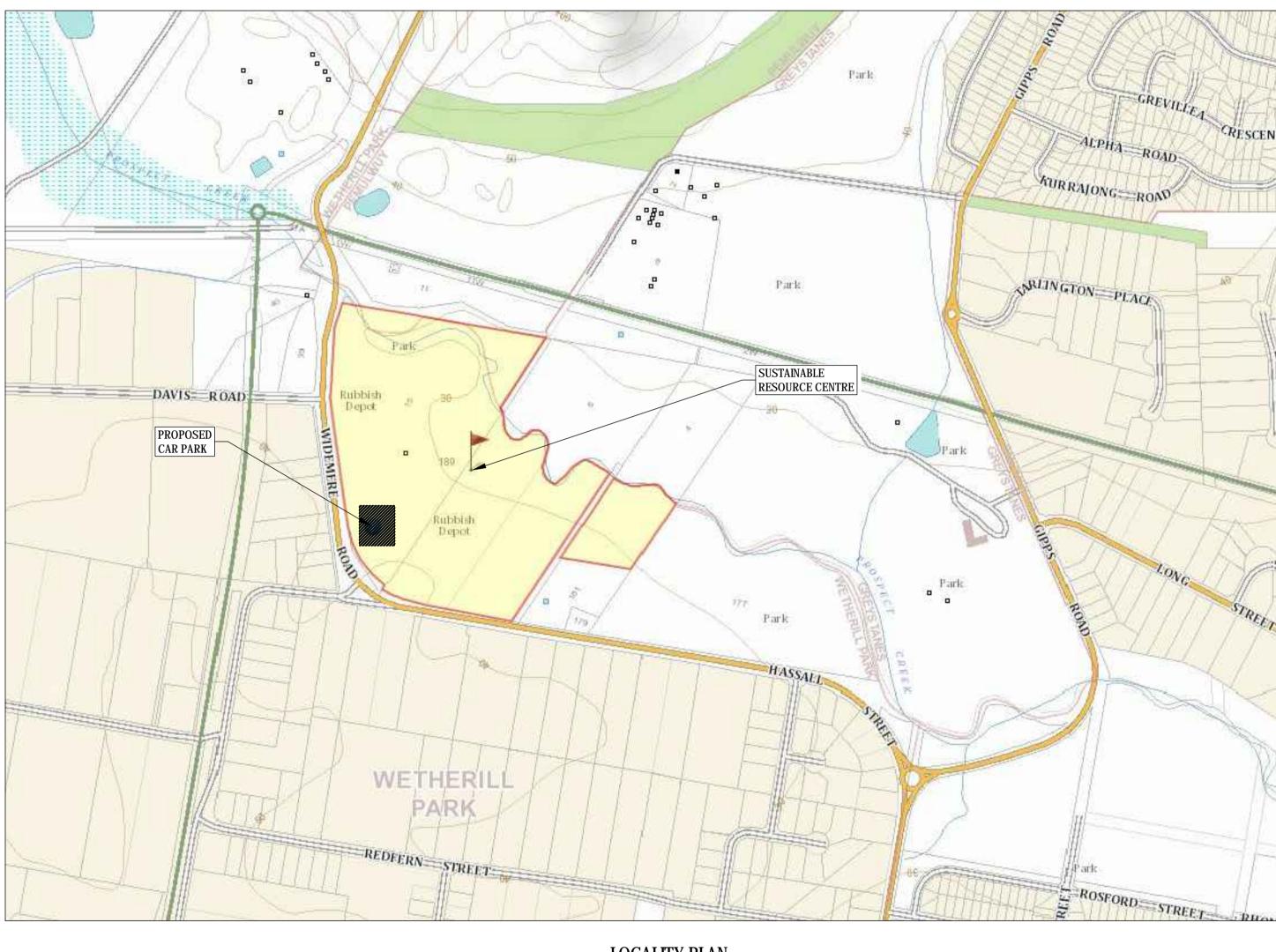
Civil Engineering works to sediment pond #2 to create a forebay & dosing facility.

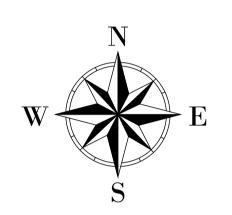


04/08/2020

PROPOSED CARPARK SUSTAINABLE RESOURCE CENTRE, WETHERILL PARK CIVIL ENGINEERING PLANS

DRAWING INDEX				
SHEET No.	DRAWING No.	DRAWING TITLE		
1 DA100-01 COVER SHEET		COVER SHEET		
2 DA101-01		GENERAL NOTES AND LEGEND		
3 DA102-01		CIVIL WORKS PLAN		
4 DA103-01		SOIL AND WATER MANAGEMENT PLAN		
5 DA103-02		SOIL AND WATER MANAGEMENT DETAILS		
6 DA122-01		SWALE-01 SECTIONS		
7 DA130-01 STORMWATER CATCHMENT PLAN		STORMWATER CATCHMENT PLAN		
8 DA131-01 STORMWATER LONGITUDINAL SECTIONS		STORMWATER LONGITUDINAL SECTIONS		





LOCALITY PLAN

PRELIMINARY ISSUE

Issue	Description	Date	Drawn	Approved
1	ISSUED FOR DEVELOPMENT APPLICATION	12/07/18	SS	LB
2	ISSUED FOR DEVELOPMENT APPLICATION	12/11/18	SS	LB



Sydney 9/4 Central Avenue, Thomleigh N.S.W. 2120

PO BOX 22, Thomleigh N.S.W. 2120 mepstead@mepstead.com.au www.mepstead.com.au

FAIRFIELD CITY COUNCIL C/O DFP PLANNING PTY. LTD.

PROPOSED EXPANSION OF FAIRFIELD SUSTAINABLE RESOURCE CENTRE

COVER SHEET Checked: LB Date: JUNE 2018 FAIRFIELD CITY COUNCIL

DA100-01 5593 1

CONSTRUCTION NOTES

GENERAL:

- 1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCILS STANDARD SPECIFICATIONS AND TO THE REQUIREMENTS OF COUNCIL'S ENGINEER.
- 2. COUNCIL'S TREE PRESERVATION ORDER IS TO BE STRICTLY ADHERED TO AND NO TREES SHALL BE FELLED, LOPPED OR REMOVED WITHOUT PRIOR APPROVAL.
- 3. A SUBDIVIDER OR CONTRACTOR CARRYING OUT CONSTRUCTIONAL WORKS ON A SUBDIVISION SHALL RESTRICT SUCH ACTIVITIES TO WITHIN THE HOURS OF 7.00am TO 6.00pm ON MONDAYS TO FRIDAYS INCLUSIVE AND 8.00am TO 1.00pm ON SATURDAYS. NO WORK SHALL BE UNDERTAKEN OUTSIDE THE HOURS SPECIFIED ABOVE OR ON SUNDAYS WITHOUT THE WRITTEN APPROVAL OF COUNCIL.
- 4. VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION WORKS.
- 5. ALL RUBBISH, BUILDINGS, SHEDS AND FENCES TO BE REMOVED AS SHOWN ON PLANS. HERITAGE ITEMS TO BE PROTECTED AND RETAINED AS REQUIRED.
- 6. STRUCTURAL CERTIFICATION REQUIRED FOR MAJOR AND NON STANDARD STRUCTURES.
- 7. DIMENSIONS SHOULD NOT BE SCALED FROM THE PLANS.
- 8. EXISTING SURVEY MARKS SHOULD BE MAINTAINED AT ALL TIMES.
- 9. SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO ANY WORKS COMMENCING AND IN KEEPING WITH LATEST EDITION OF LANDCOM'S 'SOILS AND CONSTRUCTION MANAGING URBAN STORMWATER' DOCUMENT.
- 10. ERECT STREET SIGNS AND CONDUIT WARNING SIGNS WHERE SHOWN OR WHERE DIRECTED BY COUNCIL'S REPRESENTATIVE.
- 11. FELLED TREES SHALL BE SALVAGED FOR REUSE AS WOODCHIP MULCH OR LOG FORM FOR SITE REHABILITATION, NON-SALVAGEABLE MATERIAL SUCH AS STUMPS AND ROOTS SHALL BE DISPOSED OF OFF SITE.
- 12. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 24 HOURS' NOTICE TO COUNCIL'S REPRESENTATIVE FOR ALL INSPECTIONS.
- 13. THE CONTRACTOR SHALL UNDERTAKE TRAFFIC CONTROL MEASURES TO COUNCIL'S SATISFACTION AND SHALL DISPLAY ALL APPROPRIATE WARNING SIGNS THROUGHOUT THE DURATION OF CONSTRUCTION.

SERVICES:

- 1. PUBLIC UTILITY SERVICES ARE TO ADJUSTED AS NECESSARY AND AT NO COST TO COUNCIL.
- 2. CONDUITS TO BE LAID AS DIRECTED BY THE RELEVANT AUTHORITY, CLEAR OF VEHICULAR CROSSINGS.
- 3. SERVICES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND FIELD INVESTIGATIONS AND ARE NOT GUARANTEED COMPLETE OR CORRECT. A FULL SERVICES SEARCH MUST BE UNDERTAKEN PRIOR TO ANY GROUND DISTURBANCE OR CONSTRUCTION
- 4. PUBLIC UTILITY STUB-MAINS TO BE INSTALLED PRIOR TO THE PREPARATION OF SUB-GRADE.
- 5. POSITION OF CONDUITS SHALL BE MARKED ON THE KERB.

EARTHWORKS:

- 1. EARTHWORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S ENGINEER. UNSOUND MATERIALS ARE TO BE REMOVED FROM ROADS AND LOTS PRIOR TO FILLING.
- 2. PROVIDE 150mm TOPSOIL WITH TURF OR GRASS SEEDING ON ALL FOOTPATHS AND DISTURBED AREAS.
- 3. ALL SITE FILLING SHALL BE PLACED IN LAYERS NOT EXCEEDING 300mm AND COMPACTED IN ACCORDANCE WITH COUNCIL'S SPECIFICATIONS AND BE TESTED AT THE REQUIRED INTERVALS BY AN APPROVED N.A.T.A. LABORATORY.
- 4. WHERE LOT FILLING OF IN EXCESS OF 300mm IS PROPOSED, LEVELS ARE TO BE TAKEN ON THE STRIPPED SURFACE PRIOR TO THE COMMENCEMENT OF FILLING AND ON THE FINISHED SURFACE. ALL LEVELS TO BE SHOWN ON THE WORK-AS-EXECUTED PLAN.
- 5. SUB-GRADE IN ROCK TO BE RIPPED, SCARIFIED, SPREAD AND COMPACTED TO A MINIMUM DEPTH OF 300mm BELOW THE FINISHED SUB-GRADE LEVEL.
- ${\bf 6.} \qquad {\bf NO\ TOPSOIL\ TO\ BE\ REMOVED\ FROM\ THE\ SUBDIVISION.}$
- 7. WHERE THE SLOPE OF THE NATURAL SURFACE EXCEEDS ONE IN FOUR (1:4) FILL EMBANKMENT, BENCHES ARE TO BE CUT TO PREVENT SLIPPING OF THE FILL MATERIAL OR AS REQUIRED BY COUNCIL'S ENGINEER.
- 8. DETAILS OF THE SOIL AND PAVEMENT TESTING ARE TO BE SUBMITTED TO COUNCIL PRIOR TO INSPECTION OF SUBGRADE.

STORMWATER:

- 1. PRE-CAST KERB INLETS TO BE USED ON GULLY PITS. GRATES SHALL BE 'WELDLOCK' TYPE GG 78-51 OR APPROVED EQUIVALENT.
- 2. PROVIDE AGRICULTURAL DRAINS WITH FLUSHING POINTS AND STANDARD COVERS AT MAX. 60m INTERVALS AND ELSEWHERE AS DIRECTED BY COUNCIL'S
- ENGINEER. MARK FACE OF KERB ADJACENT TO COVERS "SS".

 3. ALL PIPELINES ARE TO BE LAID IN TRENCH CONDITIONS (TYPE B BEDDING).
- 4. ALL LONGITUDINAL PIPELINES IN ROADS TO BE LOCATED UNDER KERB AND GUTTER TO BE BACKFILLED WITH WASHED RIVER SAND.
- 5. ALL PITS TO BE BENCHED AND STREAMLINED. PROVIDE STEP IRONS FOR ALL PITS OVER 1.2m DEEP.
- 6. CATCH DRAINS TO BE CONSTRUCTED AS REQUIRED BY COUNCIL'S ENGINEER.
- 7. SUITABLE EASEMENTS TO DRAIN WATER TO BE PROVIDED OVER DRAINAGE LINES THROUGH ALLOTMENTS.
- 8. CONSTRUCT TAIL OUT DRAINS FROM KERB AND GUTTER. WRITTEN PERMISSION TO DISCHARGE WATER NEEDS TO BE OBTAINED FROM ADJOINING PROPERTY OWNERS AND SUBMITTED TO COUNCIL PRIOR TO COMMENCEMENT OF WORKS.
- 9. PROVIDE INDEMNITY FOR GUTTER DISCHARGE ONTO ADJOINING PROPERTY WHERE NECESSARY.
- 10. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORKS ON ADJOINING PROPERTIES, WRITTEN PERMISSION IS TO BE OBTAINED FROM THE RELEVANT OWNERS AND SUBMITTED TO COUNCIL.
- 11. ADEQUATE PROVISION TO BE MADE FOR SCOURING AND SEDIMENTATION TO ALL DRAINAGE WORKS AS DIRECTED.
- $12. \quad \text{LINTEL LENGTHS SHOWN SHOWN INDICATES LENGTH OF CLEAR OPENING}.$
- 13. CONDUIT TRENCHES, SUBSOIL DRAINS AND STORMWATER DRAINAGE LINES TO BE BACKFILLED WITH APPROVED WASHED RIVER SAND, FLOODED AND VIBRATED. CONDUIT TRENCH TO BE GRADED AT MINIMUM OF ONE PERCENT (1%) GRADE TO EITHER SUBSOIL OR STORMWATER DRAINAGE LINES.
- 14. 100 YEAR FLOW PATHS TO BE FORMED AT THE TIME OF CONSTRUCTION.

ROADWORKS:

- 1. SEPARATE VEHICULAR CROSSING TO BE PROVIDED WHERE SHOWN THUS:
- 2. MAKE SMOOTH JUNCTIONS WITH EXISTING WORKS.
- 3. GUIDE POSTS WITH ATTACHED REFLECTORS TO BE PLACED WHERE DIRECTED.
- 4. PROVISION TO BE MADE FOR SUITABLE PROTECTION OF ROAD PAVEMENT, KERB AND GUTTER, AND FOOTPATH FORMATION.
- 5. WHERE KERB AND GUTTER IS LAID BY THE USE OF A KERB AND GUTTER MACHINE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TAKING AND TESTING OF CORE SAMPLES, FORWARDING TEST RESULTS TO COUNCIL AND REMOVAL OF KERB AND GUTTER, ALL AT CONTRACTOR'S EXPENSE.
- 6. CONSTRUCTION OF DRIVEWAYS ACROSS FOOTPATHS TO BE DEFERRED UNTIL ALL SERVICES ARE LAID.
- 7. DRIVEWAYS / LAYBACKS TO HAVE MINIMUM 1.0m CLEARANCE FROM POWER AND LIGHT POLES AND STORMWATER DRAINS, AND 6.0m CLEARANCE FROM KERB RETURN TANGENT POINTS.
- 8. VEHICLE CROSSINGS ARE TO BE MINIMUM 4.0m WIDE AT THE KERB AND GUTTER.

	CARPARK SIDE KERB
	PEDESTRIAN ACCESS RAMP
	GRASSED AREA
Д	CONCRETE FOOTPATH
27.6	FINISHED SURFACE CONTOUR
56.2	NATURAL SURFACE CONTOUR
	BATTER WITH SLOPES 1V: 4H UNO
	EXISTING HUMP
	HEADWALL
(A2)	STORMWATER DRAINAGE PIT AND No.
375Ø	STORMWATER DRAINAGE PIPE
	SCOUR PROTECTION
	EXISTING / FUTURE ROAD WORKS
(A)	1.5m WIDE DRAINAGE EASEMENT
(B)	3.0m WIDE DRAINAGE EASEMENT
	TREES TO BE RETAINED
	TREES TO BE REMOVED

CIVIL LEGEND

PRELIMINARY ISSUE



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Client: P
FAIRFIELD CITY COUNCIL
C/O DFP PLANNING PTY, LTD.

Project:
PROPOSED EXPANSION OF FAIRFIELD
SUSTAINABLE RESOURCE CENTRE

Designed: SS Scale: N.T.S. A1

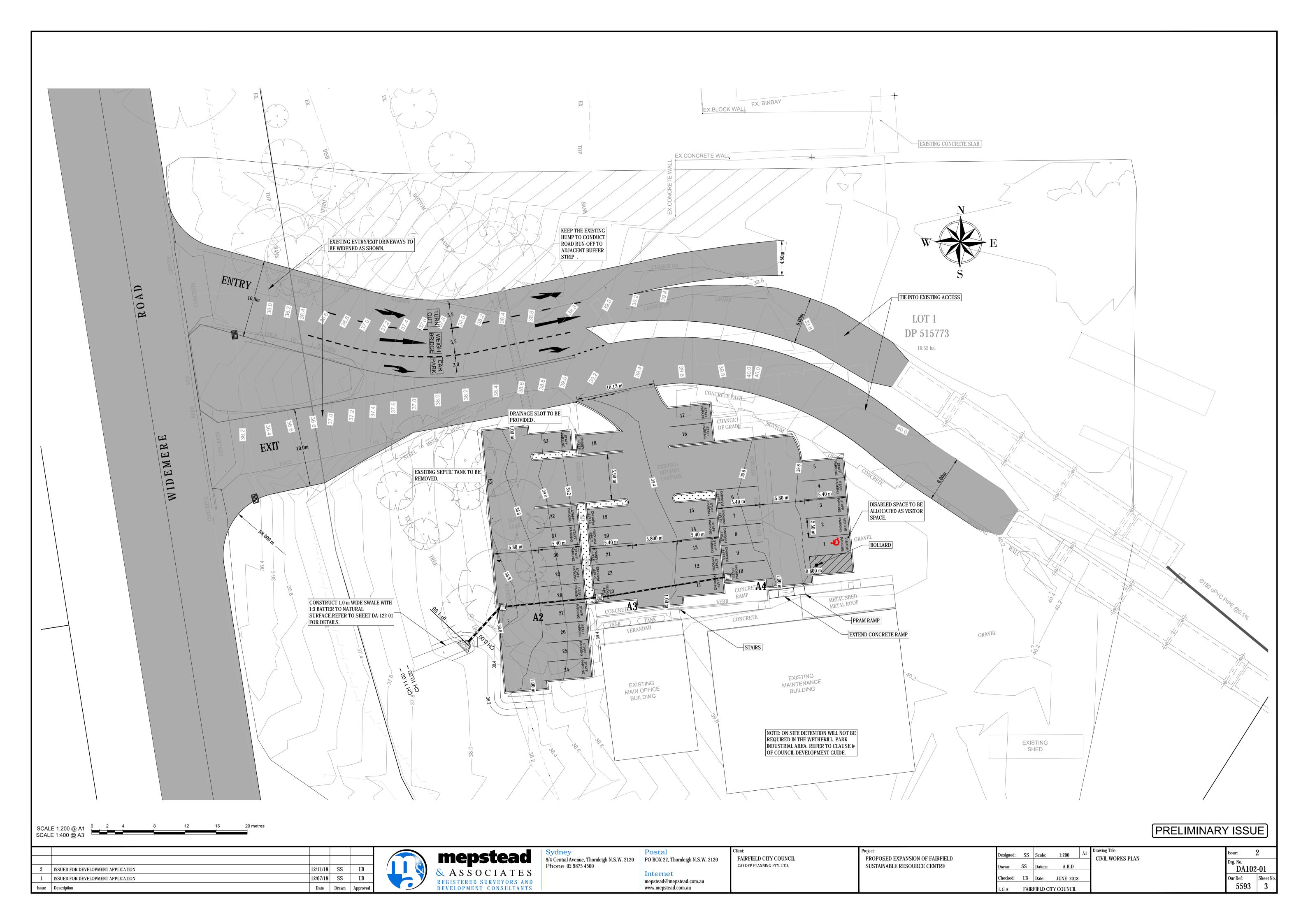
Drawn: SS Datum: A.H.D

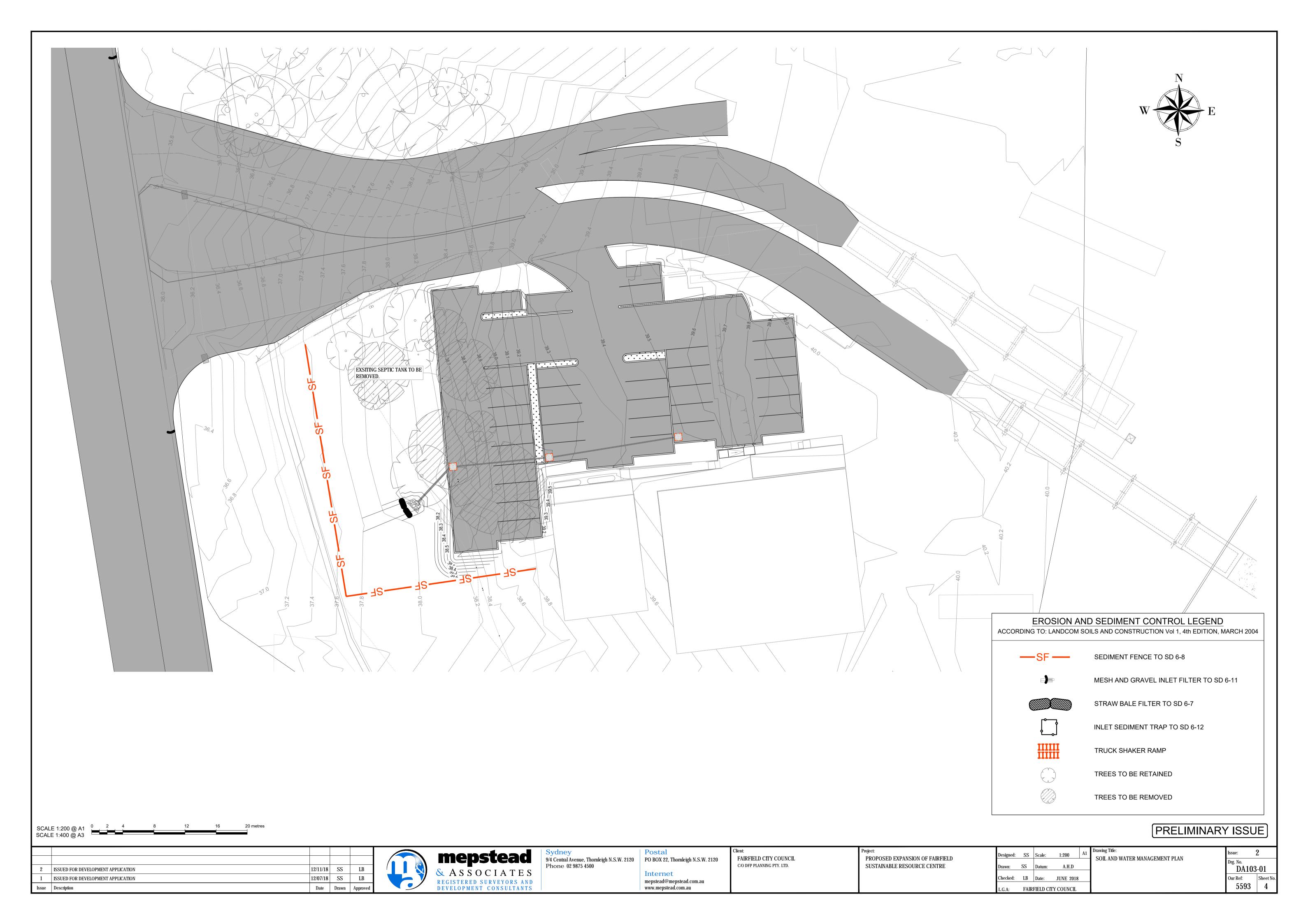
Checked: LB Date: JUNE 2018

Drawing Title:
GENERAL NOTES AND LEGEND

G.A: FAIRFIELD CITY COUNCIL

Issue: 2
Drg. No.
DA101-01
Our Ref: Sheet No.
5593 2





GENERAL NOTES:

- 1. ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED TO THE REQUIREMENTS OF THE "ENVIRONMENT PROTECTION AUTHORITY".AND "DEPT OF LAND AND WATER CONSERVATION". MEASURES OUTLINED IN THE SEDIMENT & EROSION CONTROL PLAN MUST BE IMPLEMENTED PRIOR TO AND MAINTAINED DURING AND AFTER THE CONSTRUCTION WORKS.
- TOPSOIL FROM ALL AREAS TO BE DISTURBED SHALL BE STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN THOSE AREAS.
- 3. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILIZED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
- 4. ALL TAIL-OUT DRAINS SHALL BE GRASSED AND TRAPEZOIDAL IN SECTION. STRAW BALES SHALL BE PLACED AS A SEDIMENT CONTROL DEVICE WHERE REQUIRED.
- VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING DEVELOPMENT CONFINING ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS. AREAS TO BE LEFT UNDISTURBED SHALL BE MARKED OFF.
- DISTURBANCE OF VEGETATION SHALL BE LIMITED TO FILL AREAS, ROADWAYS AND DRAINAGE LINES. NO LOT GRADING SHALL BE CARRIED OUT IN UNDISTURBED AREAS WITHOUT CONSULTATION WITH COUNCIL'S ENGINEER.
- ALL DISTURBED AREAS SHALL BE REVEGETATED WITHIN 14 WORKING DAYS FROM THE CONCLUSION OF LAND SHAPING.
- 8. MINIMISE DUST BY WATERING WHEN REQUIRED.

STOCKPILE NOTES:

- 9. SPOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREAS WHERE WATER MAY CONCENTRATE.
- 10. IF STOCKPILES ARE TO BE IN PLACE FOR LONGER THAN 14 DAYS THEN THEY SHALL BE STABILIZED BY COVERING WITH A MULCH OR WITH TEMPORARY VEGETATION.
- 11. FOLLOWING CONSTRUCTION, TOPSOIL SHALL BE RESPREAD TO A MINIMUM DEPTH OF 100MM ON THE BARE SOIL SURFACES AND REVEGETATE.
- 12. ALL STOCKPILES TO BE (MAX) 2M HIGH AND PROTECTED WITH SILT FENCE.

SPECIAL NOTES:

- 13. LOCATION AND EXTENT OF SOIL AND WATER MANAGEMENT DEVICES IS DIAGRAMMATIC ONLY AND THE ACTUAL REQUIREMENTS SHALL BE CONFIRMED ON SITE.
- 14. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE GUIDELINES SET OUT IN "MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION " -4TH EDITION AND THE ACCOMPANYING ROAD AND DRAINAGE PLANS.
- 15. CONFORMITY WITH THIS PLAN SHALL IN NO WAY REDUCE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AGAINST WATER DAMAGE DURING THE COURSE OF THE CONTRACT.
- 16. MANAGEMENT DEVICES SHALL BE MAINTAINED ON A REGULAR BASIS. WHERE CLEANING IS REQUIRED, THE SEDIMENT SHALL BE REMOVED TO A POINT NOMINATED BY THE ENGINEER.
- 17. PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS, AND AFTER THE ROAD CENTERLINES HAVE BEEN PEGGED AND/OR PERMANENTLY MARKED, THE SITE MUST BE INSPECTED BY COUNCIL'S REPRESENTATIVE AND THE APPLICANT'S REPRESENTATIVE TO IDENTIFY AND APPROPRIATELY MARK:- A) THE TREES TO BE RETAINED. B) ALL TREES TO BE LEFT UNDISTURBED AND TO BE CORDONED OFF.
- 18. NO TREES SHALL BE REMOVED WITHOUT COUNCIL'S CLEARANCE.
- 19. MANAGEMENT DEVICES TO REMAIN UNTIL THE END OF THE MAINTENANCE

SEDIMENT CONTROL DEVICES:

- 20. ALL STRAW BALES SHALL BE BOUND WITH WIRE. STRAW BALES SHALL BE PLACED END TO END IN A SINGLE ROW AND EMBEDDED INTO THE SOIL TO A DEPTH OF 100MM. EACH BALE SHALL BE SECURELY ANCHORED WITH TWO STEEL STAKES DRIVEN 450MM INTO THE GROUND AND LOCATED ON THE BALE CENTRE LINE.
- 21. SILT FENCES SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR SIMILAR) BETWEEN POSTS AT 2M (3M MAX) CENTRES. FABRIC SHALL BE BURIED 150MM ALONG ITS LOWER EDGE.

ADDITIONAL NOTES:

Construction site

Runoff directed to

sediment trap/fence

Geotextile fabric designed to prevent intermixing of subgrade

product with a minimum CBR

— COURSE AGGREGATE 75 NOM. SIZE 150 THICK

2. Cover the area with needle-punched geotextile.

access to divert water to the sediment fence

STABILISED SITE ACCESS

1. Strip the topsoil, level the site and compact the subgrade.

3. Construct a 200 mm thick pad over the geotextile using road base or 30 mm aggregate.

4. Ensure the structure is at least 15 metres long or to building alignment and at least 3 metres wide. 5. Where a sediment fence joins onto the stabilised access, construct a hump in the stabilised

OVER GEOFABRIC

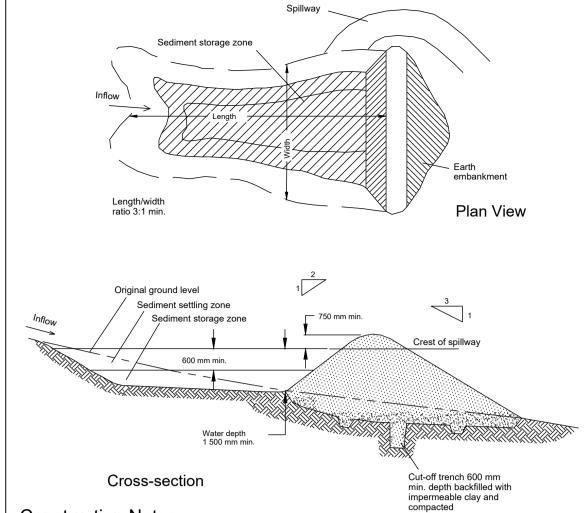
Construction Notes

and base materials and to maintain

good properties of the sub-base layers. Geofabric may be a woven or needle-punched

ourst strength (AS3706.4-90) of 2500 N

- 22. MINIMUM 300mm WIDE STRIP OF TURF IS REQUIRED BEHIND KERB
- 23. TURF AROUND ALL SURFACE INLET PITS AT 1m WIDE



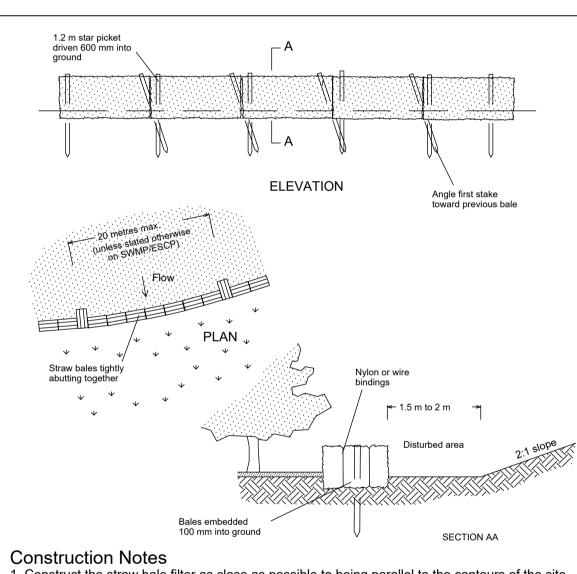
Construction Notes

- 1. Remove all vegetation and topsoil from under the dam wall and from within the storage area. 2. Construct a cut-off trench 500 mm deep and 1,200 mm wide along the centreline of the
- embankment extending to a point on the gully wall level with the riser crest.
- 3. Maintain the trench free of water and recompact the materials with equipment as specified in the SWMP to 95 per cent Standard Proctor Density.
- 4. Select fill following the SWMP that is free of roots, wood, rock, large stone or foreign material. 5. Prepare the site under the embankment by ripping to at least 100 mm to help bond compacted
- fill to the existing substrate. 6. Spread the fill in 100 mm to 150 mm layers and compact it at optimum moisture content
- following the SWMP
- 7. Construct the emergency spillway. 8. Rehabilitate the structure following the SWMP.

EARTH BASIN - WET

(APPLIES TO 'TYPE D' AND 'TYPE F' SOILS ONLY)

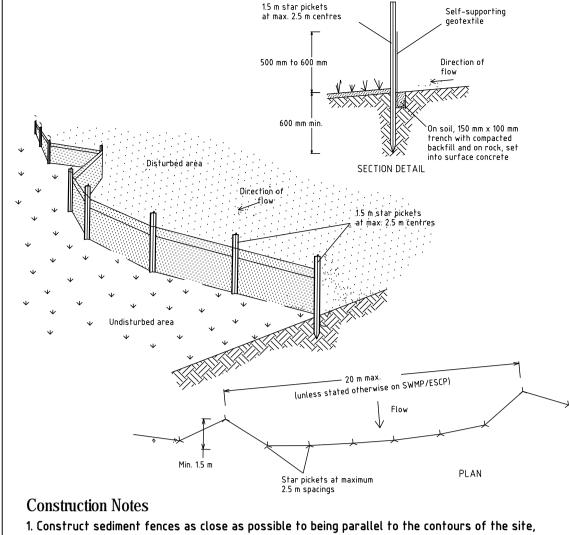
SD 6-4



- 1. Construct the straw bale filter as close as possible to being parallel to the contours of the site. 2. Place bales lengthwise in a row with ends tightly abutting. Use straw to fill any gaps between
- bales. Straws are to be placed parallel to ground. 3. Ensure that the maximum height of the filter is one bale.
- 4. Embed each bale in the ground 75 mm to 100 mm and anchor with two 1.2 metre star pickets or stakes. Angle the first star picket or stake in each bale towards the previously laid bale. Drive them 600 mm into the ground and, if possible, flush with the top of the bales. Where star pickets are used and they protrude above the bales, ensure they are fitted with
- safety caps. 5. Where a straw bale filter is constructed downslope from a disturbed batter, ensure the
- bales are placed 1 to 2 metres downslope from the toe. 6. Establish a maintenance program that ensures the integrity of the bales is retained - they

could require replacement each two to four months.

STRAW BALE FILTER

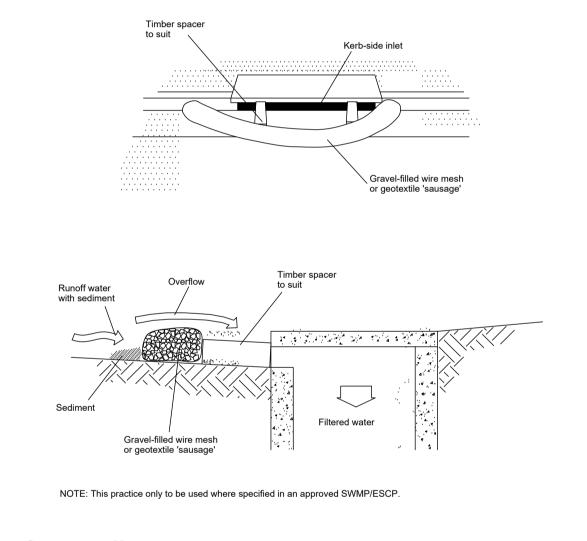


- but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at one point to
- 50 litres per second in the design storm event, usually the 10-year event. 2. Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to
- be entrenched. 3. Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope
- edge of the trench. Ensure any star pickets are fitted with safety caps. 4. Fix self-supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this
- purpose is not satisfactory. 5. Join sections of fabric at a support post with a 150-mm overlap.

6. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

SEDIMENT FENCE

SD 6-8

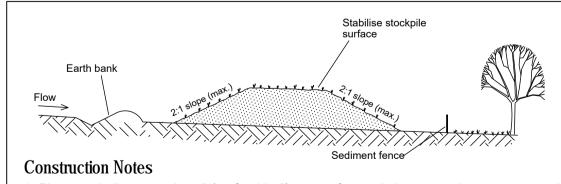


Construction Notes

- 1. Install filters to kerb inlets only at sag points.
- 2. Fabricate a sleeve made from geotextile or wire mesh longer than the length of the inlet
- pit and fill it with 25 mm to 50 mm gravel. 3. Form an elliptical cross-section about 150 mm high x 400 mm wide.
- 4. Place the filter at the opening leaving at least a 100-mm space between it and the kerb
- inlet. Maintain the opening with spacer blocks 5. Form a seal with the kerb to prevent sediment bypassing the filter.
- 6. Sandbags filled with gravel can substitute for the mesh or geotextile providing they are placed so that they firmly abut each other and sediment-laden waters cannot pass between.

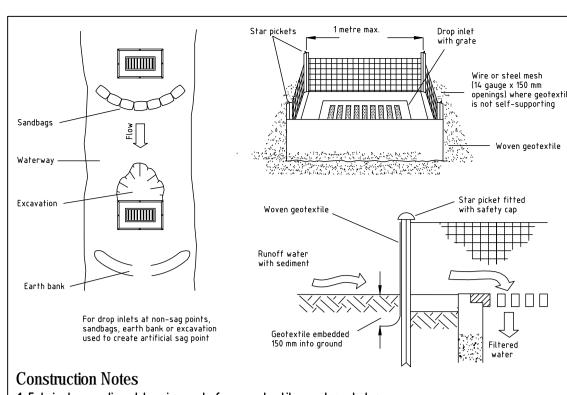
MESH AND GRAVEL INLET FILTER

SD 6-11



- 1. Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated
- water flow, roads and hazard areas. 2. Construct on the contour as low, flat, elongated mounds.
- 3. Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
- 4. Where they are to be in place for more than 10 days, stabilise following the approved ESCP or SWMP to reduce the C-factor to less than 0.10.
- 5. Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

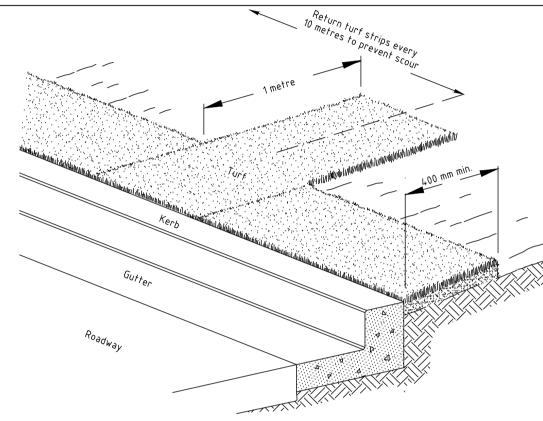
STOCKPILES SD 4-1



- 1. Fabricate a sediment barrier made from geotextile or straw bales.
- 2. Follow Standard Drawing 6-8 for installation procedures for geofabric. Reduce the picket spacing to 1 metre centres.
- 3. In waterways, artificial sag points can be created with sandbags or earth banks as shown
- 4. Do not cover the inlet with geotextile unless the design is adequate to allow for all waters

GEOTEXTILE INLET FILTER

SD 6-12



Construction Notes

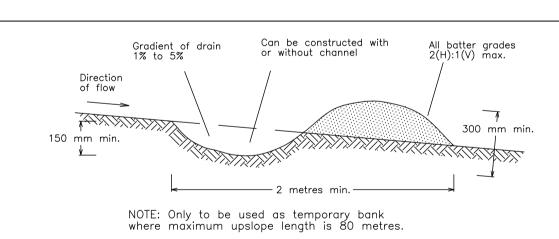
1. Install a 400 mm minimum wide roll of turf on the footpath next to the kerb and at

3. Rehabilitate disturbed soil behind the turf strip following the ESCP/SWMP.

the same level as the top of the kerb. 2. Lay 1.4 metre long turf strips normal to the kerb every 10 metres.

KERBSIDE TURF STRIP

SD 6-13



Construction Notes

- 1. Build with gradients between 1 percent and 5 percent.
- 2. Avoid removing trees and shrubs if possible work around them. 3. Ensure the structures are free of projections or other irregularities that could
- 4. Build the drains with circular, parabolic or trapezoidal cross sections, not V shaped.
- 5. Ensure the banks are properly compacted to prevent failure.

6. Complete permanent or temporary stabilisation within 10 days of construction.

EARTH BANK (LOW FLOW) SD 5-5

PRELIMINARY ISSUE

DA103-02

5593 5

2	ISSUED FOR DEVELOPMENT APPLICATION	12/11/18	SS	LB
1	ISSUED FOR DEVELOPMENT APPLICATION	12/07/18	SS	LB
Issue	Description	Date	Drawn	Approved



SD 6-14

200 x 100 SLEEPERS AT

9/4 Central Avenue, Thornleigh N.S.W. 2120

Postal PO BOX 22, Thomleigh N.S.W. 2120 Internet

mepstead@mepstead.com.au

www.mepstead.com.au

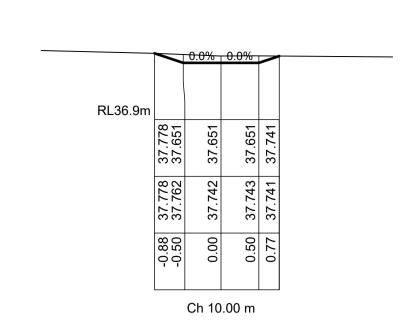
SD 6-7

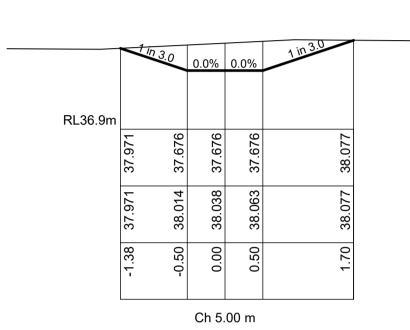
FAIRFIELD CITY COUNCIL C/O DFP PLANNING PTY. LTD.

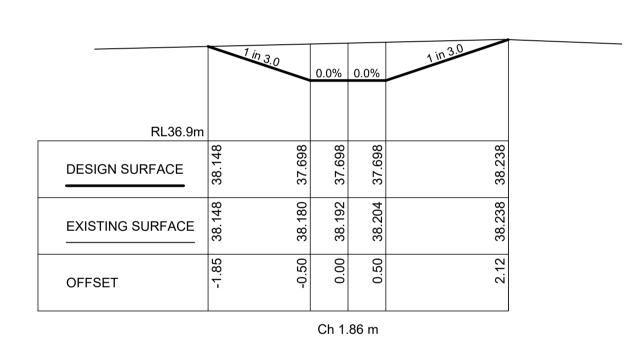
PROPOSED EXPANSION OF FAIRFIELD SUSTAINABLE RESOURCE CENTRE

Designed:	SS	Scale:	N.T.S.	A1	Drawing Title:
					SOIL AND WATE
Drawn:	SS	Datum:	A.H.D		
Checked:	LB	Date:	JUNE 2018		
L.G.A:	FAIR	FIELD CI	TY COUNCIL		

ER MANAGEMENT DETAILS







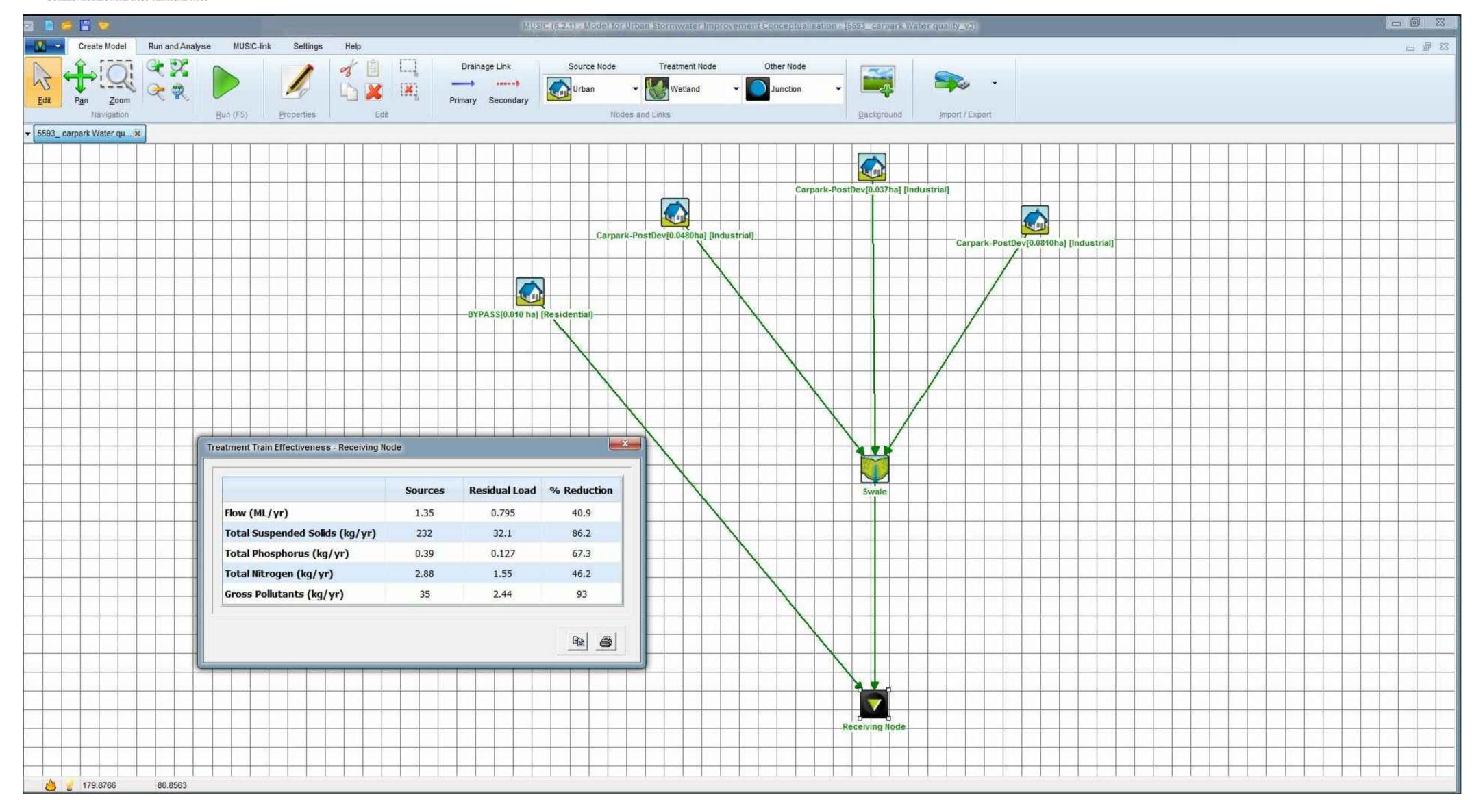
SWALE-01 CROSS SECTIONS

SCALES: HORIZONTAL 1:50 VERTICAL 1:50

R.L. 31.600 DESIGN SURFACE EXISTING SURFACE EXISTING SURFACE CHAINAGE CHAINAGE DESIGN SURFACE R.L. 31.600 OUT 11 OUT

WATER QUALITY PERFORMANCE						
POLLUTANT	MINIMUM REDUCTION TARGET	REDUCTION ACHIEVED	ADDITIONAL COMMENTS			
GROSS POLLUTANTS	90%	93.00%				
TOTAL SUSPENDED SOLIDS	85%	86.20%	MUSIC MODELLING SOFTWARE WAS UTILISED FOR THE			
TOTAL PHOSPHOROUS	65%	67.30%	ANALYSIS.			
TOTAL NITROGEN	45%	46.20%				

SWALE-01 LONGITUDINAL SECTION SCALES: HORIZONTAL 1:100 VERTICAL 1:100





MUSIC MODEL SCREEN SHOT & POLLUTANT REDUCTION RESULTS SCALES: NTS

PRELIMINARY ISSUE

2	ISSUED FOR DEVELOPMENT APPLICATION	12/11/18	SS	LB
1	ISSUED FOR DEVELOPMENT APPLICATION	12/07/18	SS	LB
Issue	Description	Date	Drawn	Approved



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FAIRFIELD CITY COUNCIL

C/O DFP PLANNING PTY. LTD.

PROPOSED EXPANSION OF FAIRFIELD
SUSTAINABLE RESOURCE CENTRE

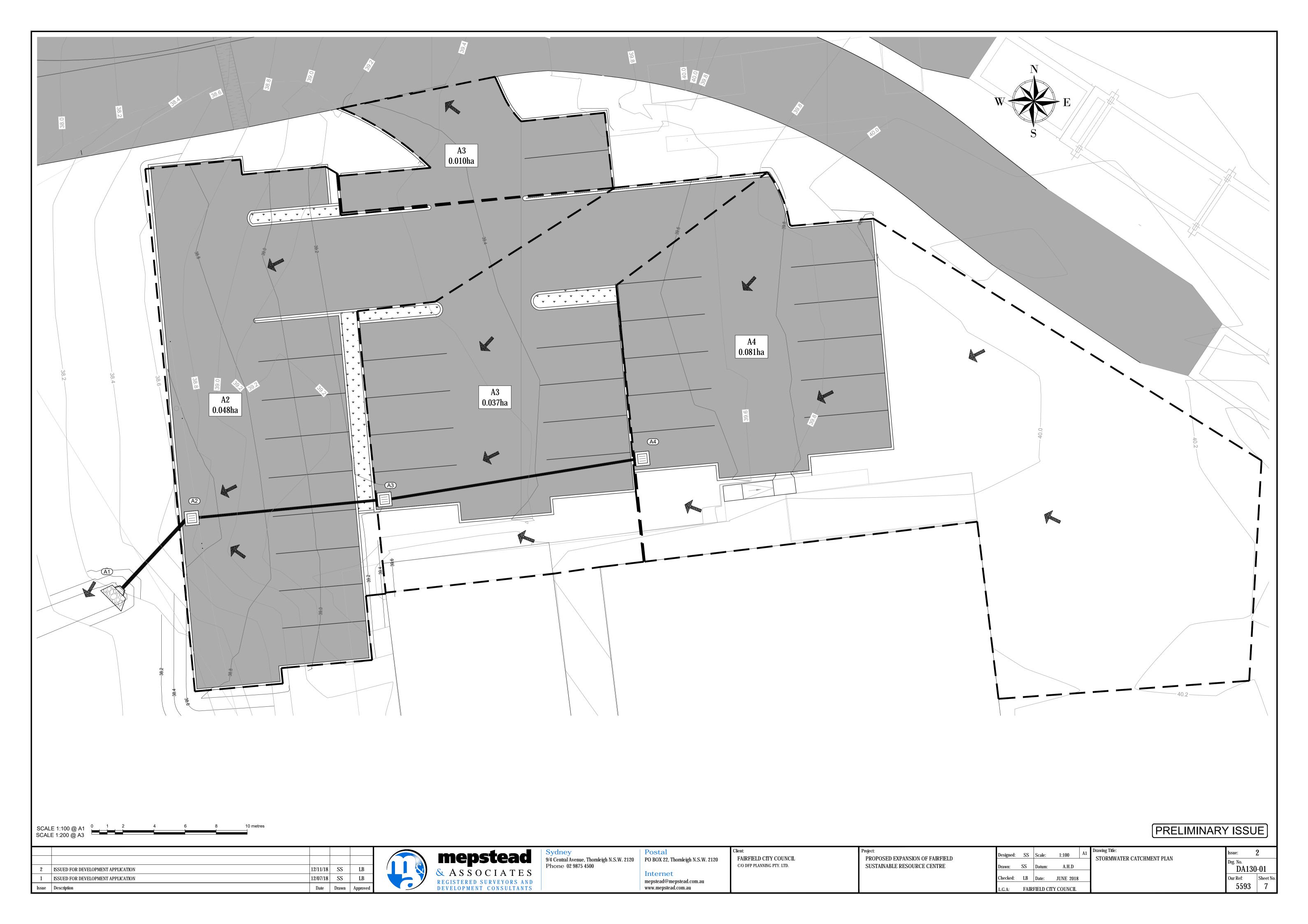
Designed: SS Scale: AS SHOWN A1

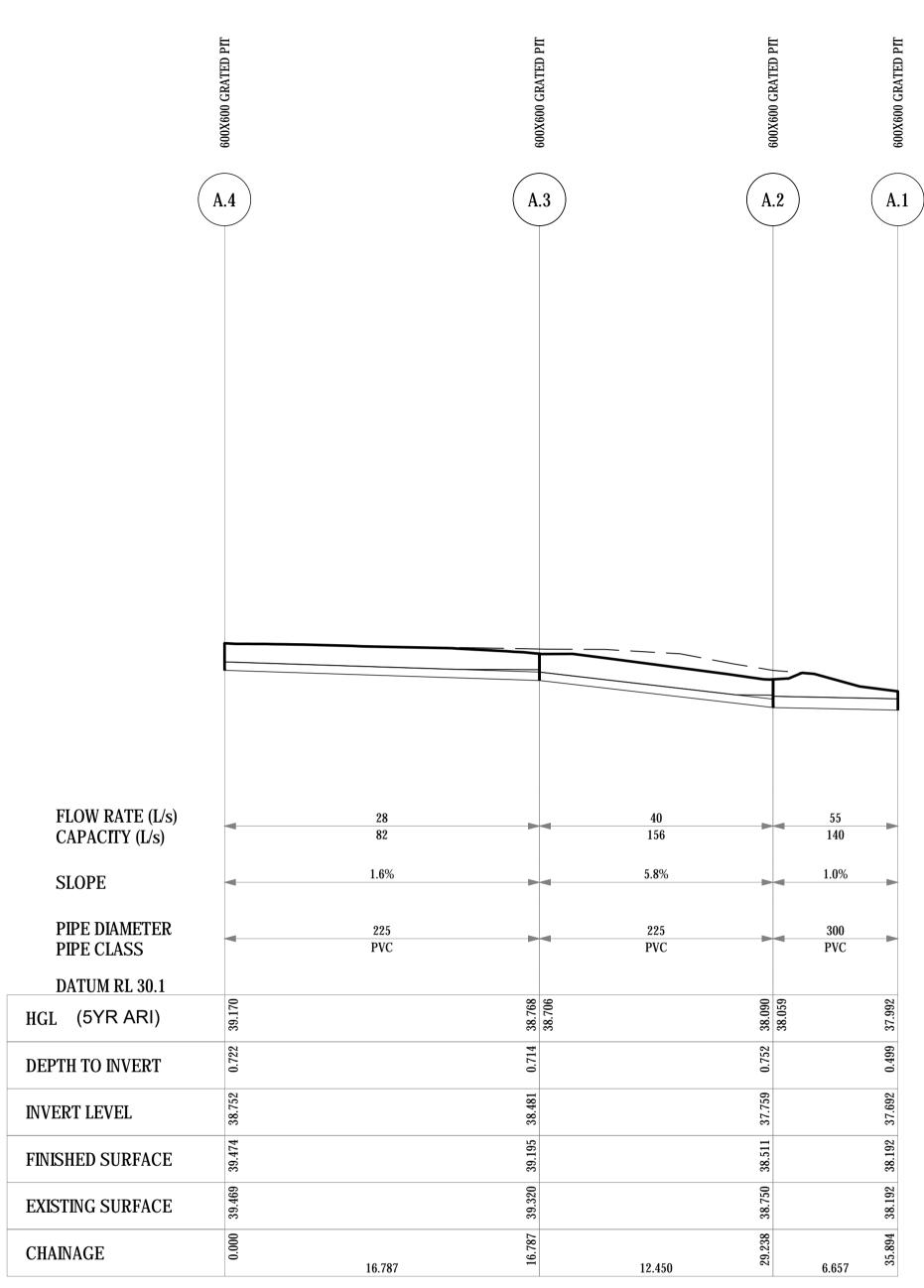
Drawn: SS Datum: A.H.D

Checked: LB Date: JUNE 2018

L.G.A: FAIRFIELD CITY COUNCIL

Issue:	2
Drg. No. DA122	-01
Our Ref: 5593	Sheet No.





LINE A - LONGITUDINAL SECTION SCALES: HORIZONTAL 1:200 VERTICAL 1:100

SCALE 1:100 @ A1 SCALE 1:200 @ A3 SCALE 1:200 @ A1 SCALE 1:400 @ A3

PRELIMINARY ISSUE

ı					
	2	ISSUED FOR DEVELOPMENT APPLICATION	12/11/18	SS	LB
	1	ISSUED FOR DEVELOPMENT APPLICATION	12/07/18	SS	LB
	Issue	Description	Date	Drawn	Approved



FAIRFIELD CITY COUNCIL C/O DFP PLANNING PTY. LTD.

Project:
PROPOSED EXPANSION OF FAIRFIELD SUSTAINABLE RESOURCE CENTRE

Designed: SS Scale: AS SHOWN STORMWATER LONGITUDINAL SECTION Drawn: SS Datum: A.H.D Checked: LB Date: JUNE 2018 L.G.A: FAIRFIELD CITY COUNCIL

 $\begin{array}{c} \text{Drg. No.} \\ DA131\text{-}01 \\ \text{Our Ref:} \\ 5593 \\ \end{array} \text{Sheet No.}$