

FAIRFIELD SHOWGROUND

SMITHFIELD ROAD, FAIRFIELD NSW

CIVIL WORKS PLAN



LOCALITY MAP. (COURTESY OF SIX MAPS)

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PRELIMINARY ISSUE

NOT FOR CONSTRUCTION

P6	REVISED SSDA ISSUE	MG	18-07-25
P5	SSDA ISSUE	MG	13-06-25
P4	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
P3	100% SCHEMATIC ISSUE	MG	16-05-25
P2	PRELIMINARY	MG	23-04-25
P1	70% SCHEMATIC ISSUE	MG	23-03-24
ISSUE	DESCRIPTION	APPROVED	DATE

CLIENT

ARCHITECT

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PROJECT

FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE

COVER SHEET

SCALES		DATE	
as noted @ A1		APR' 2024	
DRAWN	DESIGN	VERIFIED	APPROVED
C.KE	G.K	C.M	M.G
This drawing is the copyright of Birzulis Associates PL and may not be altered, reproduced or transmitted in any form or by any means in part or in whole without the written permission of Birzulis Associates Pty Ltd. All levels and dimensions are to be checked and verified on site prior to the commencement of any work, making of shop drawings or fabrication of components. Do not scale drawings. Use figured Dimensions.			

ISSUE	PROJECT No.	DRAWING No.
P6	9150	C.00

GENERAL NOTES

1. These drawings shall be read in conjunction with all relevant other consultants drawings, the Architectural drawings issued "For Construction", and all other specifications such as written instructions issued during construction, checklists and approving authority Specifications. Any discrepancies in these documents shall be referred to the relevant parties and not less than the Project Manager, the Engineer and the Superintendent for a decision prior to continuing with the works.
2. All existing drainage shown on the plans that is proposed to be re-used is to be inspected by a licenced plumber and certified that it is in good working condition, otherwise allow to rectify and or replace.
3. Provide Heelguard or equivalent to all pit lids and grated drains in pedestrian areas.
4. The Contractor or Principle Contractor shall check all dimensions onsite for correctness. Where relevant this can be for NCC (BCA) compliance, EFSG compliance, TNSW compliance, LEPs, DCPs, and SEPPs. Any discrepancy shall be reported to the Superintendent and also not less than the Project Manager as soon as practicable. Dimensions shall not be obtained by scaling the drawings.
5. It is the responsibility of the Builder and Contractor to ensure that during works the stability of existing structures shall be maintained without undue disturbance. During processes of disturbance such as excavation, service modification, underpinning, piling, compaction, vibration, demolition, reworking stormwater, parking of heavy machinery or stockpiling of materials, dust and excessive noise, it is the responsibility of the Builder and Contractor to ensure that no part of an existing structure or building is overstressed.
6. Works shall not begin without the written approval of the relevant Certifying Authority.
7. Inspections by Birzulis Associates are required to confirm and certify the standard of construction. The Superintendent shall be given 48 hours notice prior to all stormwater elements being backfilled or concealed to inspect. This does not remove the need for other authorities such as Certifiers to conduct inspections. Additional inspections of pavement materials and layers may also be required. Refer to pavement or sub-grade specific notes and relevant Specifications.
8. Where shown, existing services are based on information provided to Birzulis Associates and are not a substitute for onsite testing and confirmation. It is the responsibility of contractors working in vicinity of these services to confirm their location.
9. All service trenches shall be backfilled in accordance with the relevant Australian Standard corresponding to the type of piping in the trench or TNSW standards if working on a TNSW managed road.
10. All workmanship and materials shall be in accordance with the legal or relevant requirements of current Australian Standards, National Construction Codes, SAA Codes, requirements or stipulations of relevant Certifying Authority, and relevant specifications. If in doubt all RFI's (Requests for Information) shall be submitted in writing and RFI's shall be in accordance with best practice and Standards.
11. No changes to the works as reflected on the design engineering drawings shall be made without the written approval of the Superintendent.
12. UNO or U.N.O denotes "unless noted otherwise" on these drawings.
13. All proprietary products shall be checked for Building Code compliance with the Certifying Authority and shall be installed in accordance with the manufacturer's specifications and if required by an approved contractor endorsed by the manufacturer.
14. It is the responsibility of the Principle Contractor or equivalent to obtain all permits and authority approvals.
15. A Dilapidation report of elements in vicinity of the development shall be undertaken prior to works commencing.
16. Existing downpipes which are being reconfigured should be connected to flexible hosing and discharged in a safe location in accordance with requirements of sediment and erosion control. The top of excavations shall be protected from overland flow and if necessary overland flow paths should be redirected during phases in the construction particularly bulk excavation and site works.
17. It is the contractors responsibility to provide all safety fences, warning lights, temporary barriers around excavations/trenches, traffic diversions and the like during construction. All works to comply with Work Cover and OH&S regulations, and all other relevant safety requirements.
18. No trees shall be removed/destabilised/cut back or relocated without the written instruction from the Superintendent.

SURVEY NOTES

1. The existing site conditions shown on the following drawings have been investigated by the project surveyor.
2. The information is shown to provide a basis for design. Birzulis Associates does not guarantee the accuracy or completeness of the survey base or its suitability as a basis for construction drawings.
3. Should discrepancies be encountered during construction between the survey data and actual field data, contact Birzulis Associates.

NOTES:

All existing drainage to be inspected by a registered plumber and certified that it is in good working condition. Otherwise, allow to rectify and/or replace as necessary.

Services shown on plan are indicative, exact depth and location to be confirmed onsite. Contractor to carry out DIAL BEFORE YOU DIG application and engage a registered surveyor to peg out all existing services prior to any work commencing onsite.

STORMWATER DRAINAGE NOTES

1. All workmanship and materials shall be in accordance with AS 3500.3 and other relevant codes where other materials are used.
2. For downpipe locations refer Architectural drawings and the Hydraulic Engineers drawings. Use of downpipe chains shall be specifically checked with the certifying authority and a determination made if compliant with current codes in the application.
3. Establish and locate existing invert levels of existing services prior to commencing works and confirm with the Superintendent if the design is based on an assumption in the levels.
4. Pipes shall have a minimum fall of 1% unless noted otherwise. A minimum of 1:60 fall shall be provided for downpipes connecting to drainage lines.
5. Responsibility of roof drainage is by others unless specifically noted otherwise.
6. All uPVC stormwater drainage lines shall be in accordance with the latest version of AS 1254 and shall be installed in accordance with the requirements of the latest version of AS 3500.3, AS 2032 & AS 2566 unless noted otherwise.
7. All reinforced concrete stormwater drainage pipe work (RCP) shall be in accordance with AS 1342, TNSW standards requirements and specifications and shall be installed in accordance with AS 3725 or the previous relevant standard/specification whichever is the greater or more appropriate. The pipes shall be of the following minimum classes in accordance with AS 1342 unless noted otherwise:

- Class 4 under flexible pavements with min 600mm cover

- Class 2 in other areas with no flexible pavement over and heavy machinery/trucks do not need to pass over and not surcharged by vehicles loads or greater.
8. Subsoil drainage for rigid and flexible trafficable pavements shall be in accordance with TNSW requirements.
9. Subsoil drainage (minimum 100mm diameter wrapped in a geotextile sock shall be provided behind and at the base of all retaining walls, upturn walls (with the exception of underpinning and contiguous/soldier piling) and shall be backfilled with crushed rock with 10% cement. The wall shall also be waterproofed and a layer of Corflute applied between the waterproofing and the backfill. The backfill shall be wrapped in a geofabric. All subsoil drainage whether or not shown on plan shall connect to the downstream stormwater system and have sufficient clean out points to be adequately maintained.
10. Subsoil drainage shall be provided in poorly drained lawn style areas in accordance with best practice.
11. Step downs in flooring from internal to external shall be in accordance with the National Construction Code unless noted otherwise.
12. Falls in pavements shall be minimum 1% for external areas and 0.5% for external areas protected by a roof or undercover. Sufficient surface drainage shall be provided to facilitate these falls.
13. All drainage trenches shall not undermine existing structures and shall be in sound material. If soft spots exist they should be removed and backfilled with a compacted roadbase DGB20 or 40 and compacted to minimum 98% standard dry density at plus or minus 2% optimum moisture content.
14. All Stormwater pits or access to Stormwater tanks shall have the following:

a) have step irons installed (where deeper than 900mm) UNO, step irons shall be in accordance with TNSW standard drawings.

b) have a lid as per specification or a pit schedule.

c) have bedding as required.

d) have any proof locks or better child protection as required by council or other consultant specifications.

e) have benching as required.
15. Cover for stormwater pipes shall be:

a) RCP: 600mm under flexible pavements or areas of vehicular loading

b) RCP: 300mm under landscape areas or rigid pavements.

c) uPVC: 300mm not subject to vehicular loading

d) uPVC: 600mm subject to vehicular loading with sealed flexible carriageways.

e) If not noted in the above the minimum covers shall be obtained from the relevant Australian Standard as noted below:

i) AS 2041.1 for corrugated metal stormwater pipes

ii) AS 2032 for PVC stormwater pipes

iii) AS/NZS 2566.2 for flexible stormwater pipes

iv) AS 3725 for reinforced concrete stormwater pipes

v) AS 2033 for polyethylene stormwater pipes.
16. Lids of stormwater pits shall have the following class lids unless noted otherwise:

a) Class A for areas accessed strictly by only pedestrians

b) Class C for areas of residential roads and car parks and areas subject to vehicle loads but not heavy vehicle loads.

c) Class D for areas where heavy vehicles can access and use
17. Minimum pit sizes regardless of what is shown on the drawings shall be in accordance with Table 7.5.2.1 of AS/NZS 3500.3.
18. Sites that have a high water table a minimum of 1.5 times the diameter over uPVC or lightweight pipes shall be provided as cover to prevent buoyancy.
19. All set out is to the face of the kerb, centreline of fence/bollard/pipe.
20. Smooth all transitions between new and existing stormwater drainage works in level and alignment.
21. It is the Contractor's responsibility to check all set out and levels prior to commencement of works and to report any discrepancies found to the Superintendent.
22. The contractor shall provide certification of compactions and pavement thickness from a NATA registered testing authority at the rate of a minimum three tests per layer as follows:

pipe backfill density index 75

select fill 95% standard

select fill (less than 300mm follow base course) 98% modified

base course 100% modified
23. The AUS-SPEC specification shall be the specification for these works.

ABBREVIATIONS

Ø OR DIA	DIAMETER
@ 1 %	AT 1 PERCENT
AHD	AUSTRALIAN HEIGHT DATUM
CBR	CALIFORNIA BEARING RATIO
CH	CHAINAGE
CL	CENTRE LINE
CO	CLEAR OUT
COS	CONFIRM ON SITE
DD	DISH CROSSING
DDO	DISH DRAIN OUTLET
DEJ	DOWELLED EXPANSION JOINT
DGB	DENSE GRADED BASECOURSE
DGS	DENSE GRADED SUB-BASE
DN	DIAMETER NOMINAL
DP	DOWNPIPE
EJ	EXPANSION JOINT
EJX	EXPANSION JOINT TO EXISTING PAVEMENT
ex	EXISTING
FFL	FINISHED FLOOR LEVEL
FW	FLOOR WASTE
GT	GRADED TRENCH DRAIN
GSIP	GRADED SURFACE INLET PIT
HDG	HOT DIP GALVANISED
HYD	HYDRANT
IJ	ISOLATION JOINT
IK	INTEGRAL KERB
IL	INVERT LEVEL
IP	INTERSECTION POINT
KIP	KERB INLET PIT
KO	KERB ONLY
K&G	KERB & GUTTER
KR	KERB RETURN
LS	LONGITUDINAL SECTION
m	METER
mm	MILLIMETER
MIN	MINIMUM
NGL	NATURAL GROUND LEVEL
NO	NUMBER
NOM	NOMINAL
NGL	NATURAL GROUND LEVEL
OPF	OVERLAND FLOW PATH
OSD	ON-SITE DETENTION
r	RADIUS
RCP	REINFORCED CONCRETE PIPE
RHS	RECTANGULAR HOLLOW SECTION
RK	ROLL KERB & GUTTER
RL	REDUCED LEVEL
RW	RETAINING WALL
RWO	RAINWATER OUTLET
RWT	RAINWATER TANK
SJ	SAWN JOINT
SMH	SEWER MAN HOLE
SW	STORMWATER
SWP	STORMWATER PIT
SWRM	STORMWATER RISING MAIN
SWS	STORMWATER SUMP
SV	STOP VALVE
TOK	TOP OF KERB
TOW	TOP OF WALL
TP	TANGENT POINT
TYP	TYPICAL
uPVC	UNPLASTICISED POLYVINYL CHRLORIDE
UNO	UNLESS NOTED OTHERWISE

LEGEND

AAPT LINE	— AAPT — AAPT —
COMMS LINE	— C — C —
ELECTRICAL LINE	— E — E —
FIRE LINE	— F — F —
GAS LINE	— GAS — GAS —
WATER LINE	— W — W —
NBN LINE	— NBN — NBN —
OPTUS LINE	— OP — OP —
TPG LINE	— TPG — TPG —
TELECOMMUNICATION LINE	— T — T — T —
OVERFLOW LINE	— OFF — OFF — OFF —
SEWER LINE	— S — S — S —
SEWER EXISTING LINE	— EX.S — EX.S —
SUBSOIL DRAINAGE LINE	— SSD — SSD — SSD —
SITE BOUNDARY	— — — — —
DEMOLISHED	— — — — —
STORMWATER LINE	— — — — —
EXISTING STORMWATER LINE	— EX. SW — EX. SW —
PROPOSED CONTOUR	— — — — —
GRADED STORMWATER PIT	EXISTING STORMWATER PIT
KERB INLET PIT	
TELEPHONE PIT	
DOWN PIPE	EXISTING DOWN PIPE
FLOOR WASTE	NEW GRADED DRAIN

SERVICES SHOWN ON PLAN ARE INDICATIVE. EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.

SERVICES ON THIS DRAWING ARE SHOWN BELOW SLAB U.N.O.

DIAL BEFORE YOU DIG

DIAL BEFORE YOU DIG
www.1100.com.au

IMPORTANT: THE CONTRACTOR IS TO MAINTAIN A CURRENT SET OF "DIAL BEFORE YOU DIG" DRAWINGS ON SITE AT ALL TIMES.

PRELIMINARY ISSUE

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PROJECT

FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE

CONSTRUCTION NOTES - SHEET 1

SCALES

as noted @ A1

DATE

APR' 2024

DRAWN

C.KE

DESIGN

G.K

VERIFIED

C.M

APPROVED

M.G

ISSUE

P6

PROJECT No.

9150

DRAWING No.

C.01

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GENERAL NOTES:

- THIS PLAN IS A CONCEPT PLAN ONLY FOR CONSTRUCTION OF SEDIMENT & EROSION CONTROL. IT IS NOT SUITABLE FOR CONSTRUCTION. THIS PLAN SHOULD BE ADAPTED BY THE BUILDER DURING DEMOLITION, EXCAVATION & CONSTRUCTION PHASES TO ENSURE ADEQUATE PERFORMANCE.
- ALL DRAINAGE LAYOUT & DETAILS ARE DIAGRAMMATIC & INDICATIVE ONLY. ACTUAL LOCATION, SIZES, LEVELS & GRADES MAY CHANGE LATER WHEN DETAIL DESIGN WORKS ARE DOCUMENTED.

EROSION & SEDIMENTATION CONTROL NOTES

- CONTRACTOR SHALL PROVIDE SEDIMENT FENCING MATERIAL DURING CONSTRUCTION TO THE LOW SIDE OF THE WORKS. THE SEDIMENT FENCING MATERIAL TO CYCLONE WIRE SECURITY FENCE. SEDIMENT CONTROL FABRIC SHALL BE AN APPROVED MATERIAL (e.g. HUMES PROPEX SILT STOP) STANDING 300mm ABOVE GROUND & EXTENDING 150mm BELOW GROUND.
- EXISTING DRAINS LOCATED WITHIN THE SITE SHALL ALSO BE ISOLATED BY SEDIMENT FENCING MATERIAL.
- NO PARKING OR STOCKPILING OF MATERIAL IS PERMITTED ON THE LOWER SIDE OF THE SEDIMENT FENCE.
- GRASS VERGES SHALL BE MAINTAINED AS MUCH AS PRACTICAL TO PROVIDE A BUFFER ZONE TO THE CONSTRUCTION SITE.
- CONSTRUCTION ENTRY/EXIT SHALL BE VIA THE LOCATION NOTED ON THE DRAWING. CONTRACTOR SHALL ENSURE ALL DROPPABLE SOIL & SEDIMENT IS REMOVED PRIOR TO CONSTRUCTION TRAFFIC EXITING THE SITE. CONTRACTOR SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING & LEAVING THE SITE DO SO IN A FORWARD DIRECTION.
- MAINTENANCE AND AUDITING OF SEDIMENT AND EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE BLUE BOOK AND ANY RELEVANT CONSENT CONDITIONS.
- LOW POINTS OF EXCAVATION SHALL BE PUMPED TO THE SEDIMENT BASIN WHERE PROVIDED.
- PROVIDE WIND, AND DUST CONTROL IN ACCORDANCE WITH THE BLUE BOOK.
- PROVIDE BUNDS AND CATCH DRAINS AT THE TOP OF ALL BATTERS SO BATTERS ARE NOT ERODED WITH OVERLAND FLOW STORMWATER RUNOFF.

SOIL EROSION AND SEDIMENT CONTROL LEGEND

DENOTES SEDIMENT CONTROL FENCE IN ACCORDANCE WITH SD6-8 OF THE BLUE BOOK

DENOTES GEOTEXTILE INLET FILTER IN ACCORDANCE WITH SD6-11 OR SD6-12 OF THE BLUE BOOK

DENOTES TEMPORARY CONSTRUCTION STABILISED SITE ACCESS POINT IN ACCORDANCE WITH SD6-14 OF THE BLUE BOOK. (SHAKEDOWN CATTLE GRID AT ACCESS POINT NOT SHOWN FOR CLARITY)

DENOTES STOCKPILE SHOWN INDICATIVE MANAGED AND CONSTRUCTED IN ACCORDANCE WITH SD4-1 OF THE BLUE BOOK

SITE BOUNDARY

DENOTES PROPOSED BUILDING EXTENT

EXISTING TO BE DEMOLISHED

PROPOSED HAY BALE FILTER IN ACCORDANCE WITH SD6-7 OF THE BLUE BOOK

PROPOSED SANDBAG OR GEOTEXTILE SOCK FILLED WITH GRAVEL AT INVERT OF GUTTER

DENOTES CATCH DRAIN

CD CD

PRELIMINARY ISSUE
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CLIENT

 Fairfield SHOWGROUND

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 NBRSLandscape Architecture

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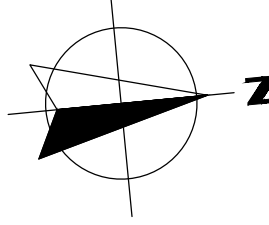
PROJECT

FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE

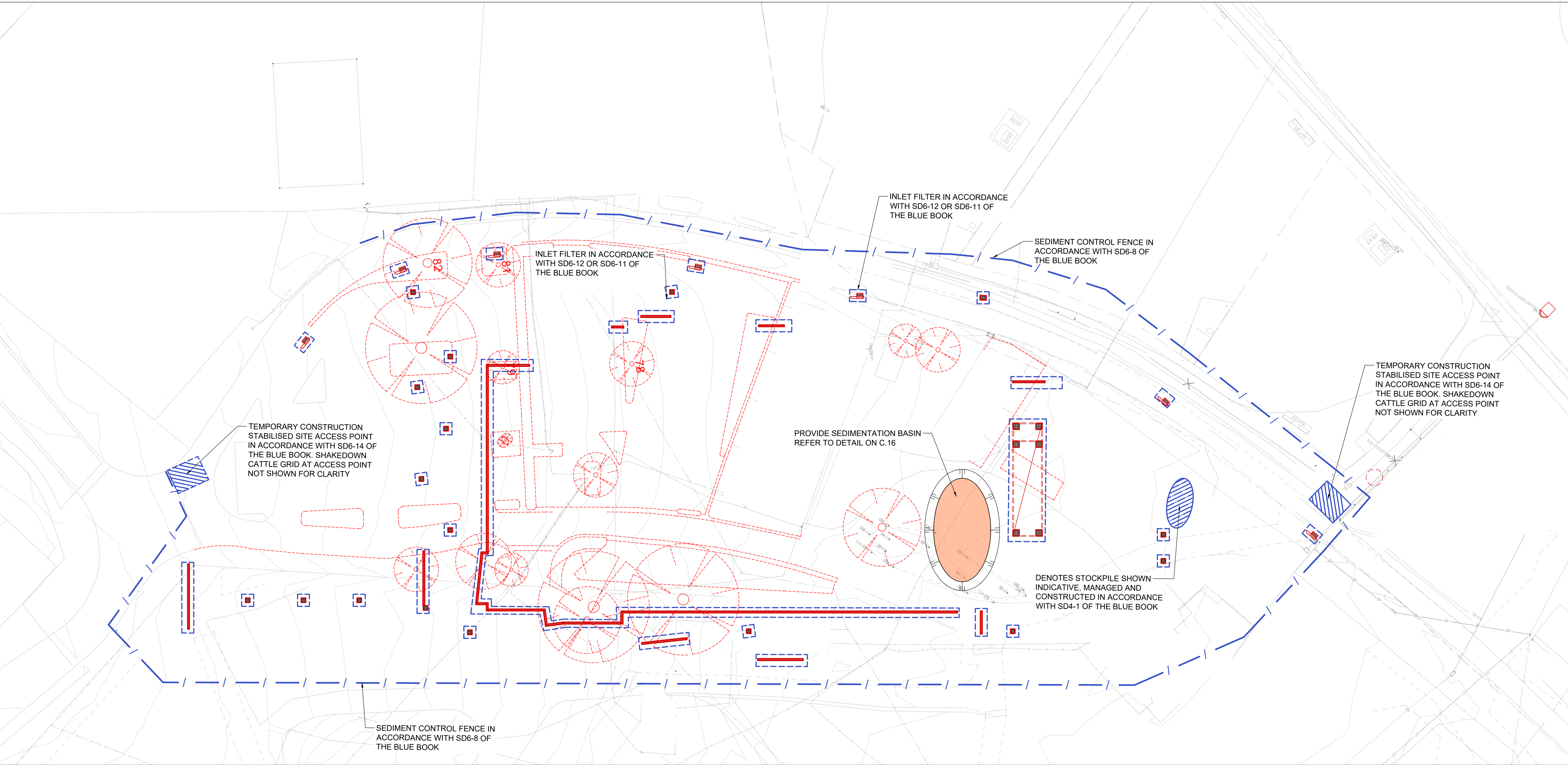
SOIL EROSION AND
SEDIMENT CONTROL PLAN

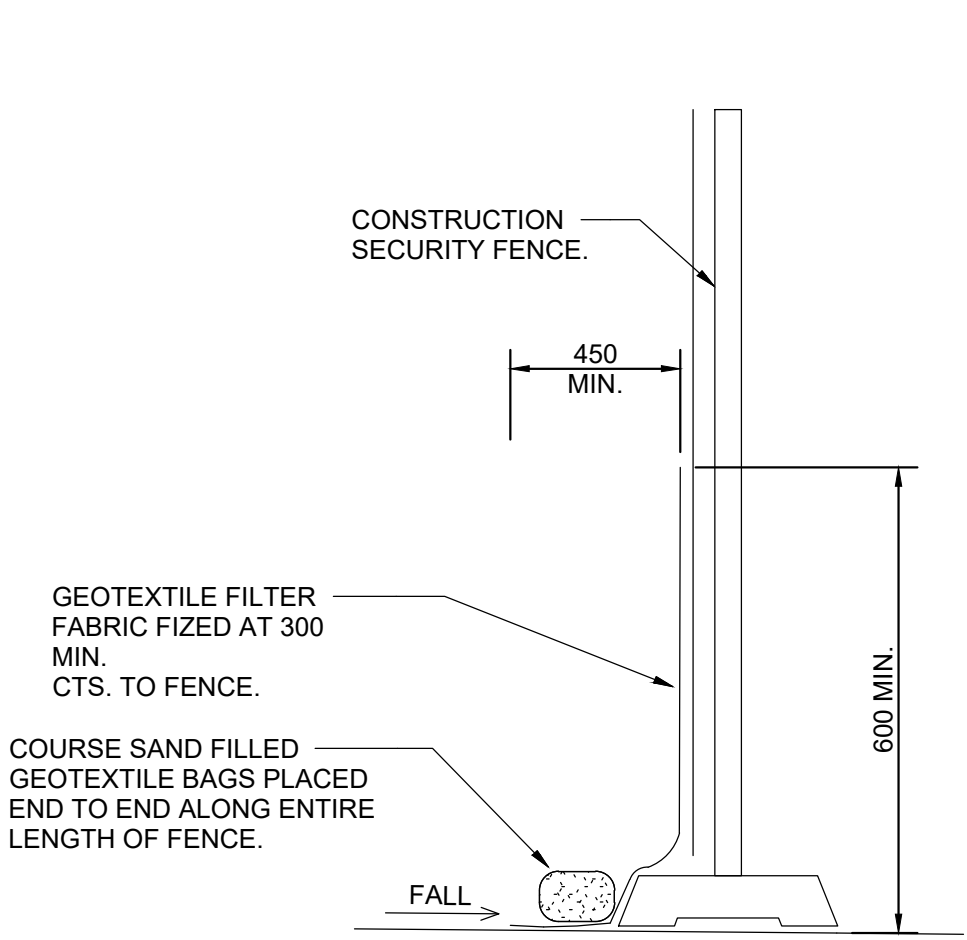
SCALES		DATE	
as noted @ A1		APR' 2024	
DRAWN	DESIGN	VERIFIED	APPROVED
C.KE	G.K	C.M	M.G
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ISSUE	PROJECT No.	DRAWING No.	
P6	9150	C.10	



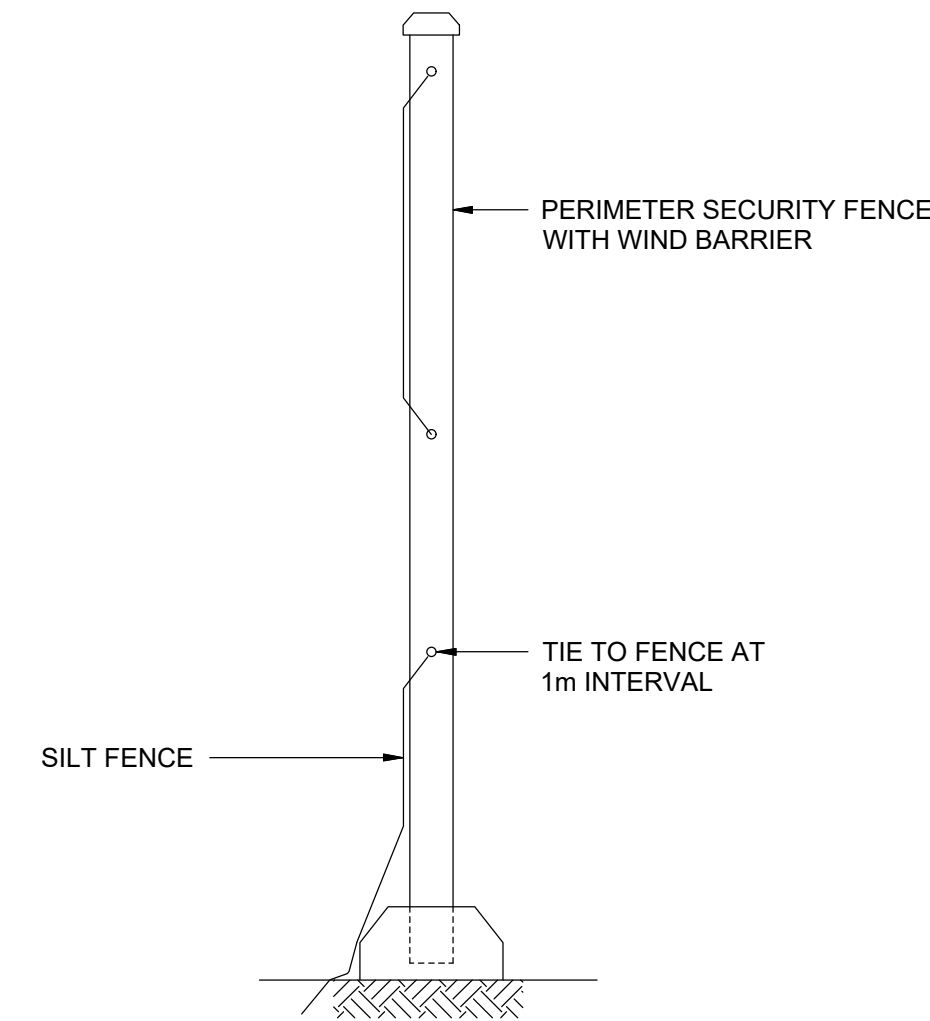
PRINT IN
COLOUR

SOIL EROSION AND SEDIMENT CONTROL PLAN
SCALE 1:400



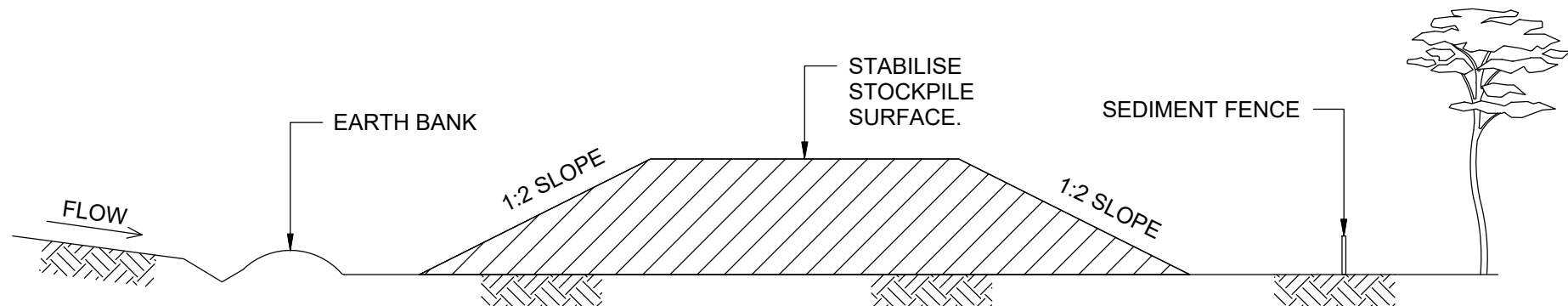


SEDIMENT FENCE ON PAVED SURFACE
(NOT TO SCALE)

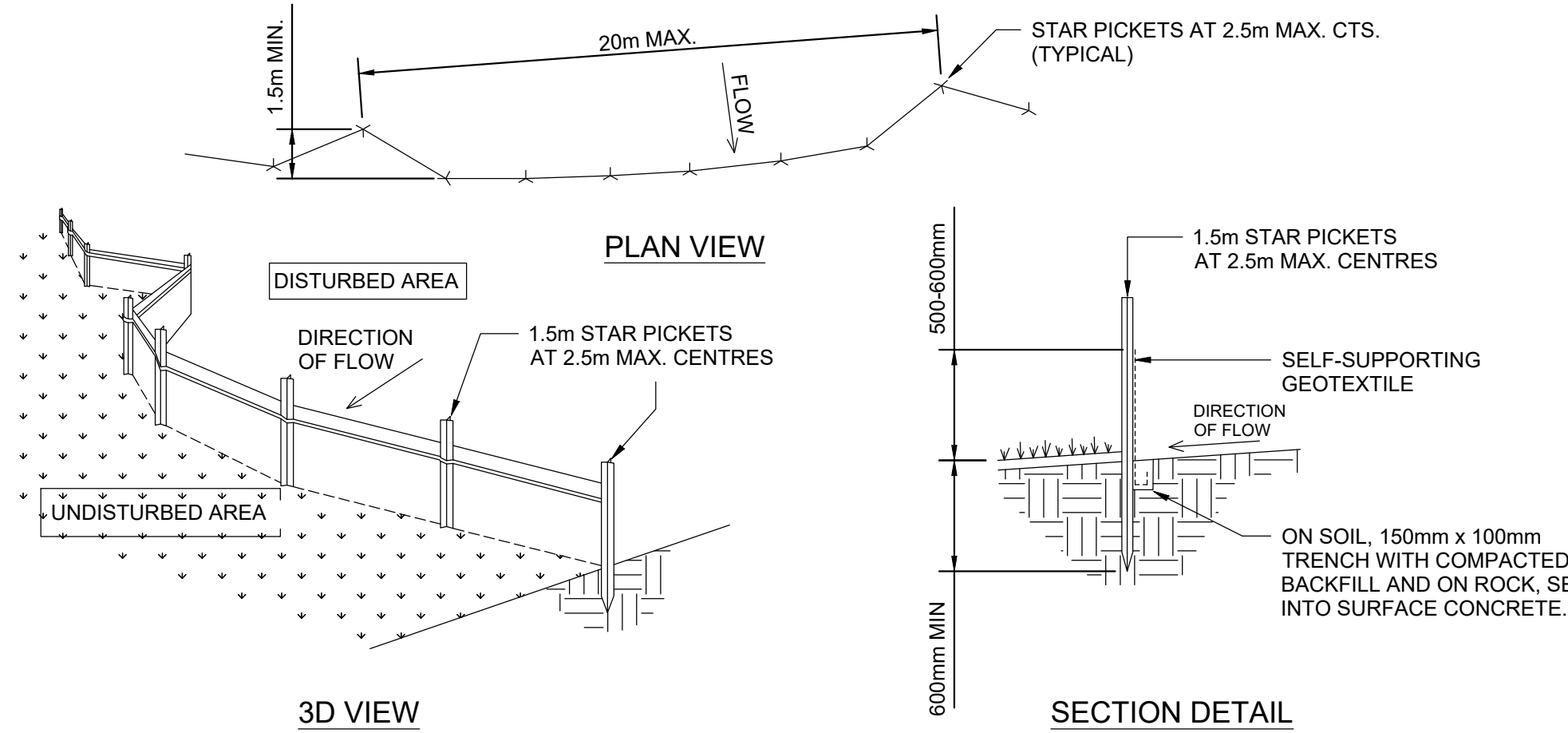


PERIMETER SECURITY FENCE WITH WIND BARRIER & SILT FENCE DETAIL
(NOT TO SCALE)

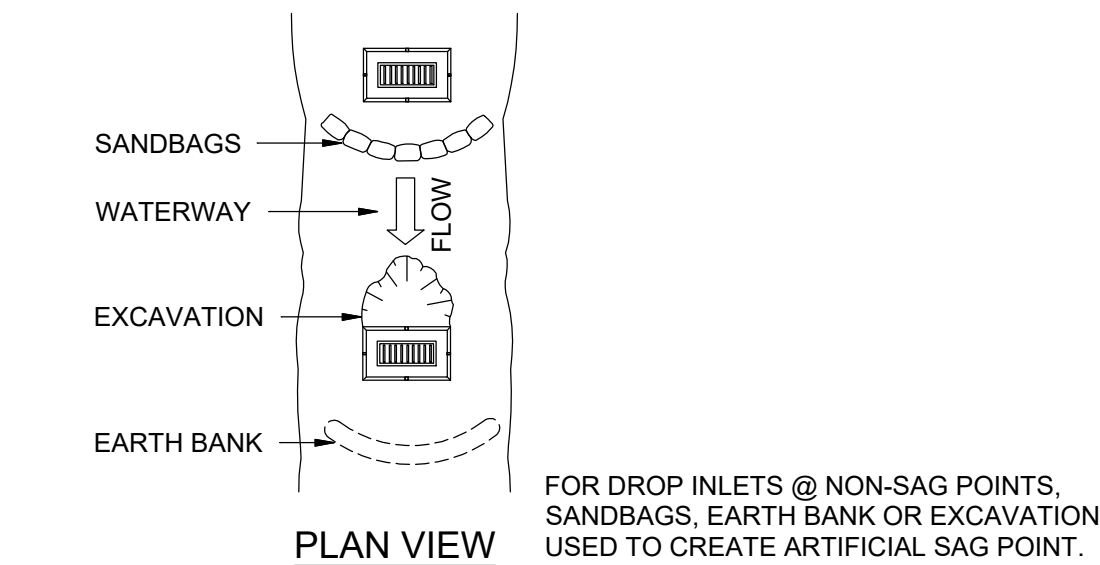
- STOCKPILE CONSTRUCTION NOTES:**
1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
 2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
 3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
 4. WHERE THEY ARE TO BE PLACED FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED E.S.C.P. OR S.W.M.P. TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
 5. CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 - 2 METRES DOWNSLOPE.



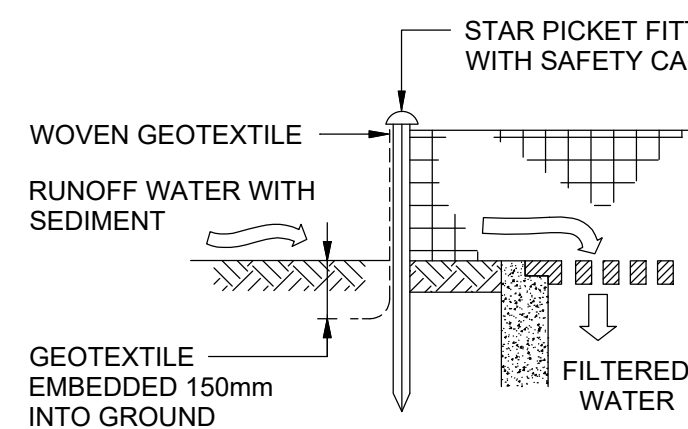
STOCKPILES DETAIL
(NOT TO SCALE)



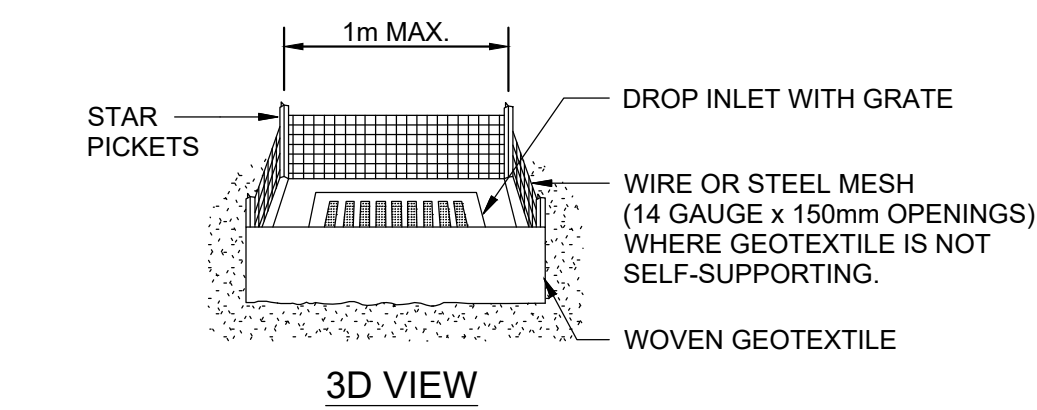
SEDIMENT FENCE DETAILS
(NOT TO SCALE)



FOR DROP INLETS @ NON-SAG POINTS, SANDBAGS, EARTH BANK OR EXCAVATION USED TO CREATE ARTIFICIAL SAG POINT.



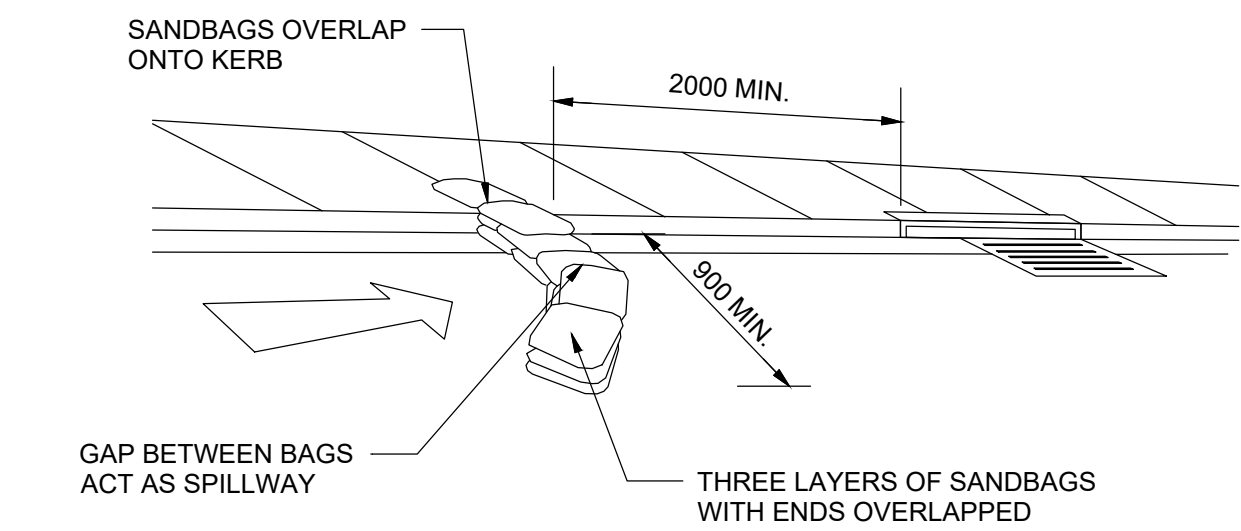
SECTION DETAIL



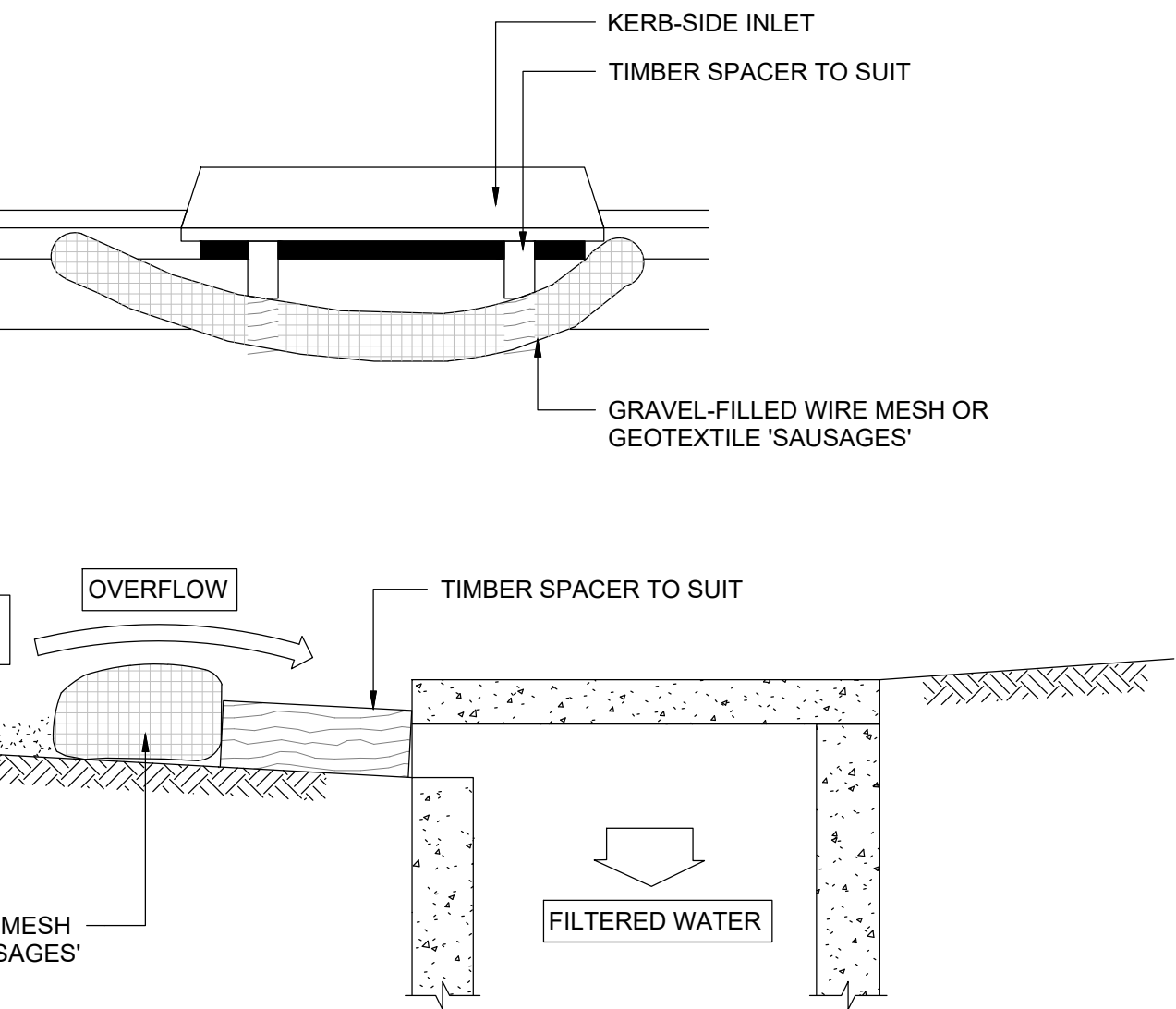
3D VIEW

GEOTEXTILE INLET FILTER DETAILS
(NOT TO SCALE)

- GEOTEXTILE INLET FILTER CONSTRUCTION NOTES:**
1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE.
 2. PICKET SPACING TO BE MAXIMUM 1m.
 3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
 4. DO NOT COVER THE INLET WITH GEOTEXTILES UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

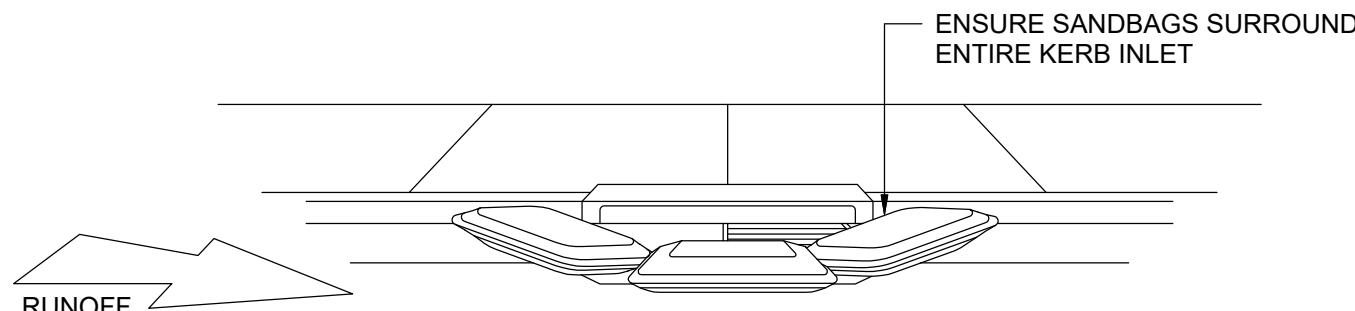


SANDBAG SEDIMENT TRAP FOR KERB INLET ON GRADE
(NOT TO SCALE)

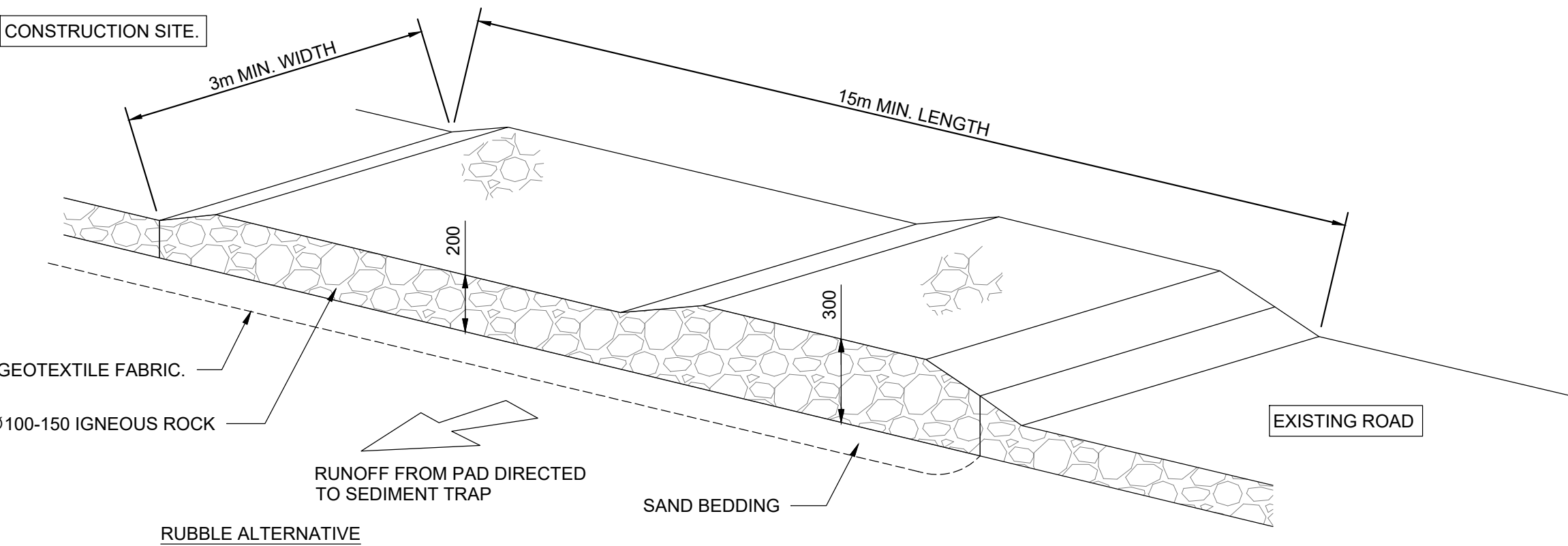


MESH & GRAVEL INLET FILTER DETAILS.
(NOT TO SCALE)

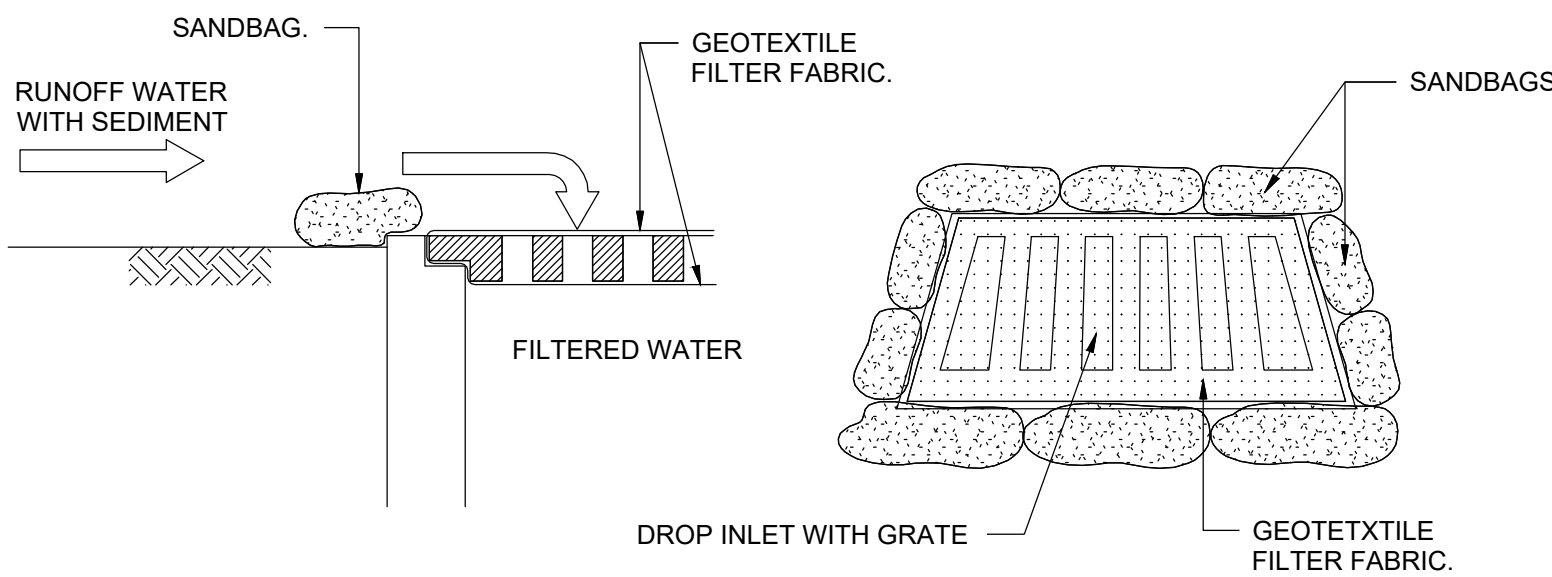
- MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:**
1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25-50mm GRAVEL.
 2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
 3. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH TIMBER SPACER BLOCKS.
 4. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
 5. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE, PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT LADEN WATERS CANNOT PASS BETWEEN.



SANDBAG KERB INLET SEDIMENT TRAP DETAIL
(NOT TO SCALE)



TEMPORARY CONSTRUCTION EXIT
(NOT TO SCALE)



GEOTEXTILE FILTER FAVRIC DROP INLET SEDIMENT TRAP
(NOT TO SCALE)

- SEDIMENT FENCE CONSTRUCTION NOTES:**
1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, 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 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
 3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND AT 2.5m 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 150mm OVERLAP.
 6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
P5	REVISED SSDA ISSUE	MG	16-07-25
P4	SSDA ISSUE	MG	13-06-25
P3	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
P2	100% SCHEMATIC ISSUE	MG	16-05-25
P1	PRELIMINARY	MG	23-04-25

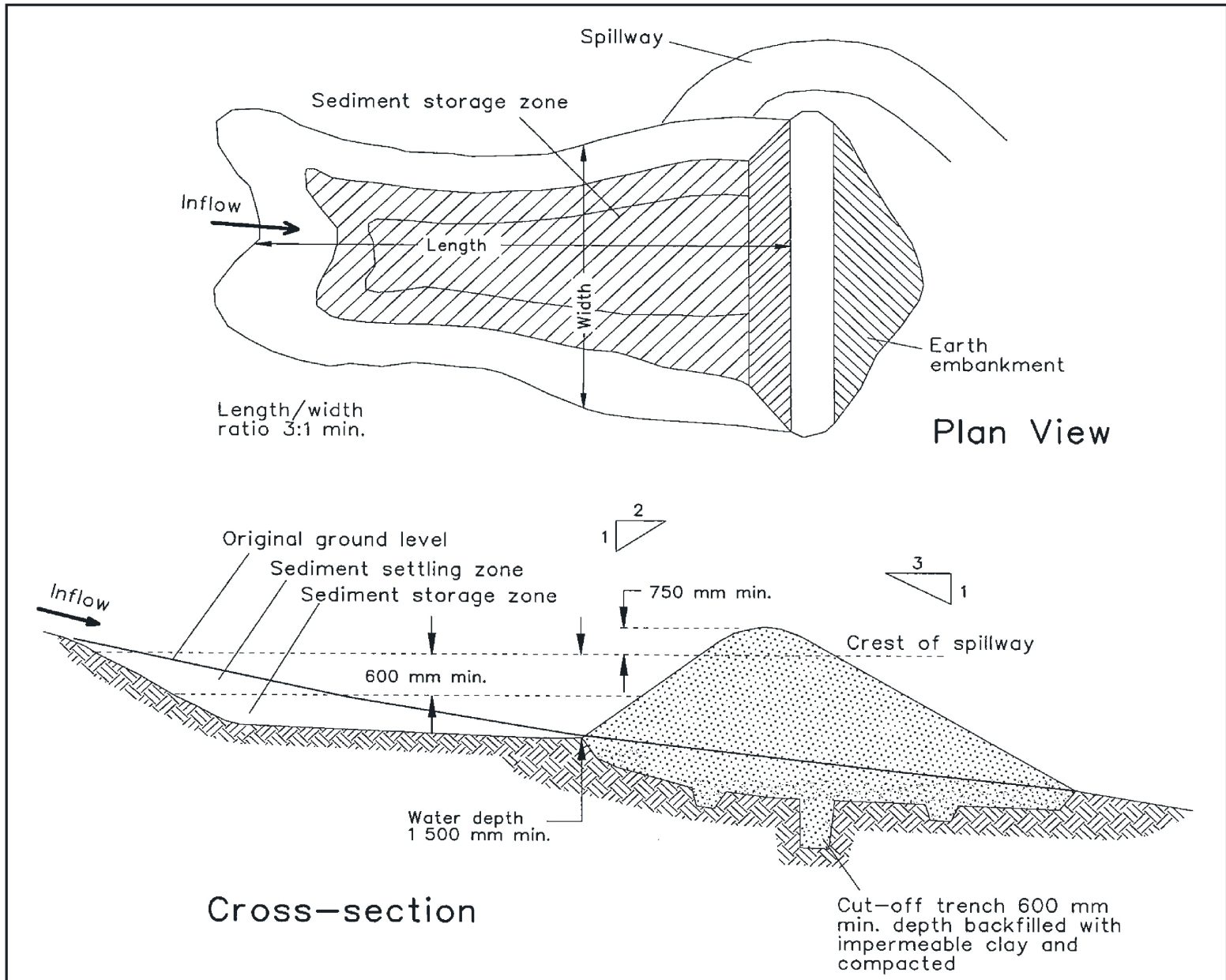


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PROJECT
FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE
SOIL EROSION & SEDIMENT CONTROL - DETAILS 01

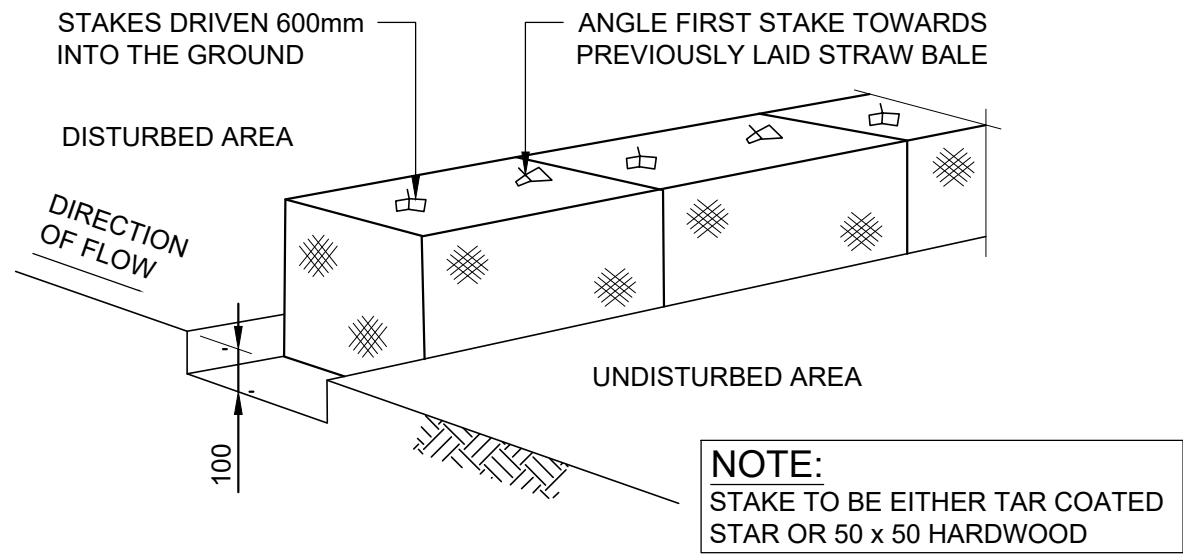
SCALES	as noted @ A1	DATE	APR '2024
DRAWN	C.KE	DESIGN	G.K
VERIFIED	C.M	APPROVED	M.G
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ISSUE	PROJECT No.	DRAWING No.	
P5	9150	C.15	



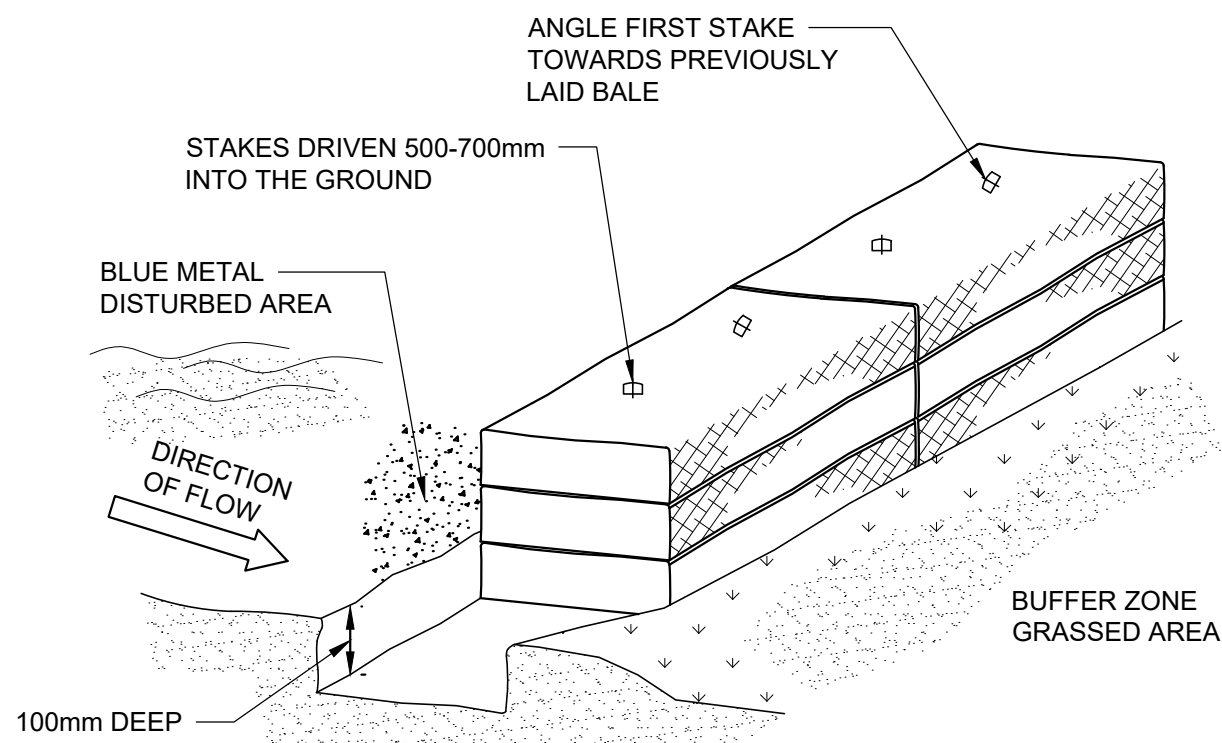
- Construction Notes**
1. Remove all vegetation and topsoil from under the dam wall and from within the storage area.
 2. Construct a cut-off trench 500 mm deep and 1,200 mm wide along the centreline of the embankment extending to a point on the gully wall level with the riser crest.
 3. Maintain the 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)

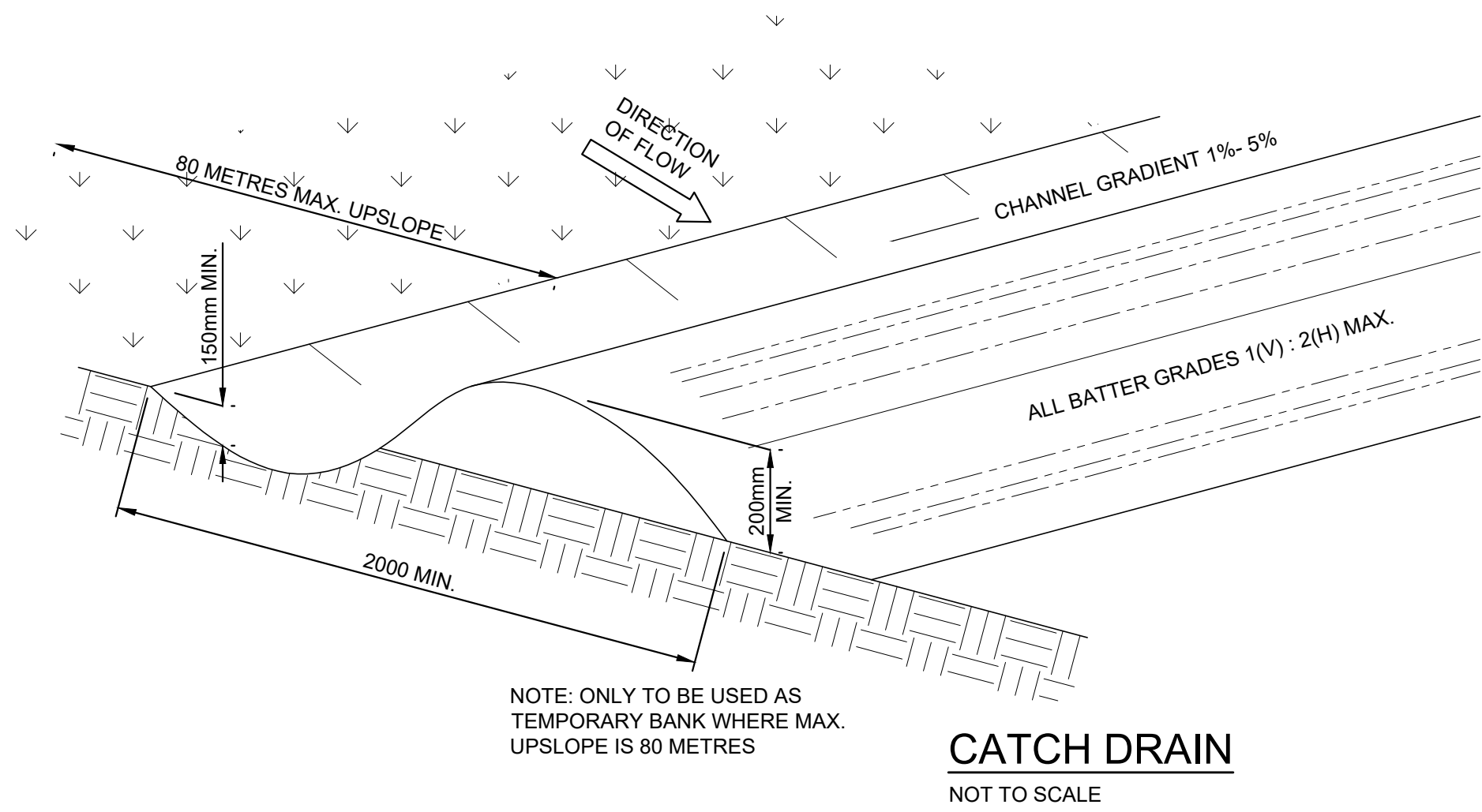
SD 6-4



STRAW BALE SEDIMENT FILTER DETAIL
(NOT TO SCALE)



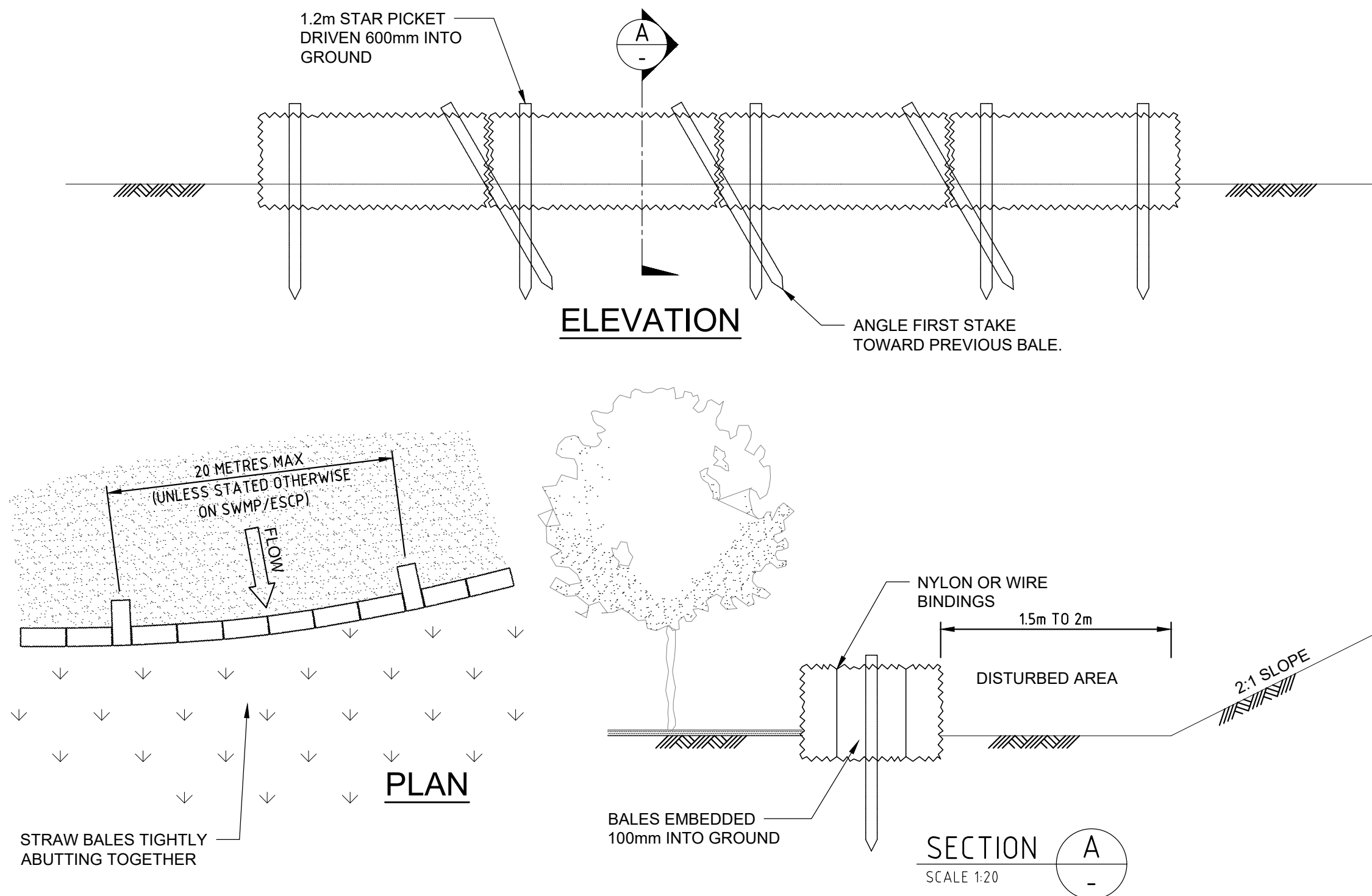
HAY BALE BARRIER DETAIL
NOT TO SCALE



CATCH DRAIN
NOT TO SCALE

CATCH DRAIN CONSTRUCTION NOTES:

1. CONSTRUCT ALONG GRADIENT AS SPECIFIED.
2. MAXIMUM SPACING BETWEEN BANKS SHALL BE 80 METRES.
3. DRAINS TO BE OF PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V-SHAPED.
4. EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE.
5. CONSTRUCTION OF A TEMPORARY NATURE AND SHALL BE COMPACTED AT THE END A DAYS WORK OR IMMEDIATELY PRIOR RAIN.
6. ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO SEDIMENT BASIN OR SIMILAR.
7. DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL SITE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED.
8. COMPACT WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN 5 DAYS.
9. EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDE NORMAL FLOW.



STRAW BALE FILTER
NOT TO SCALE

STRAW BALE FILTER CONSTRUCTION NOTES:

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 75mm TO 100mm 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 600mm 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.

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

P5	REVISED S30A ISSUE	MG	16-07-25
P4	SSDA ISSUE	MG	13-06-25
P3	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
P2	100% SCHEMATIC ISSUE	MG	16-05-25
P1	PRELIMINARY	MG	23-04-25
ISSUE	DESCRIPTION	APPROVED	DATE

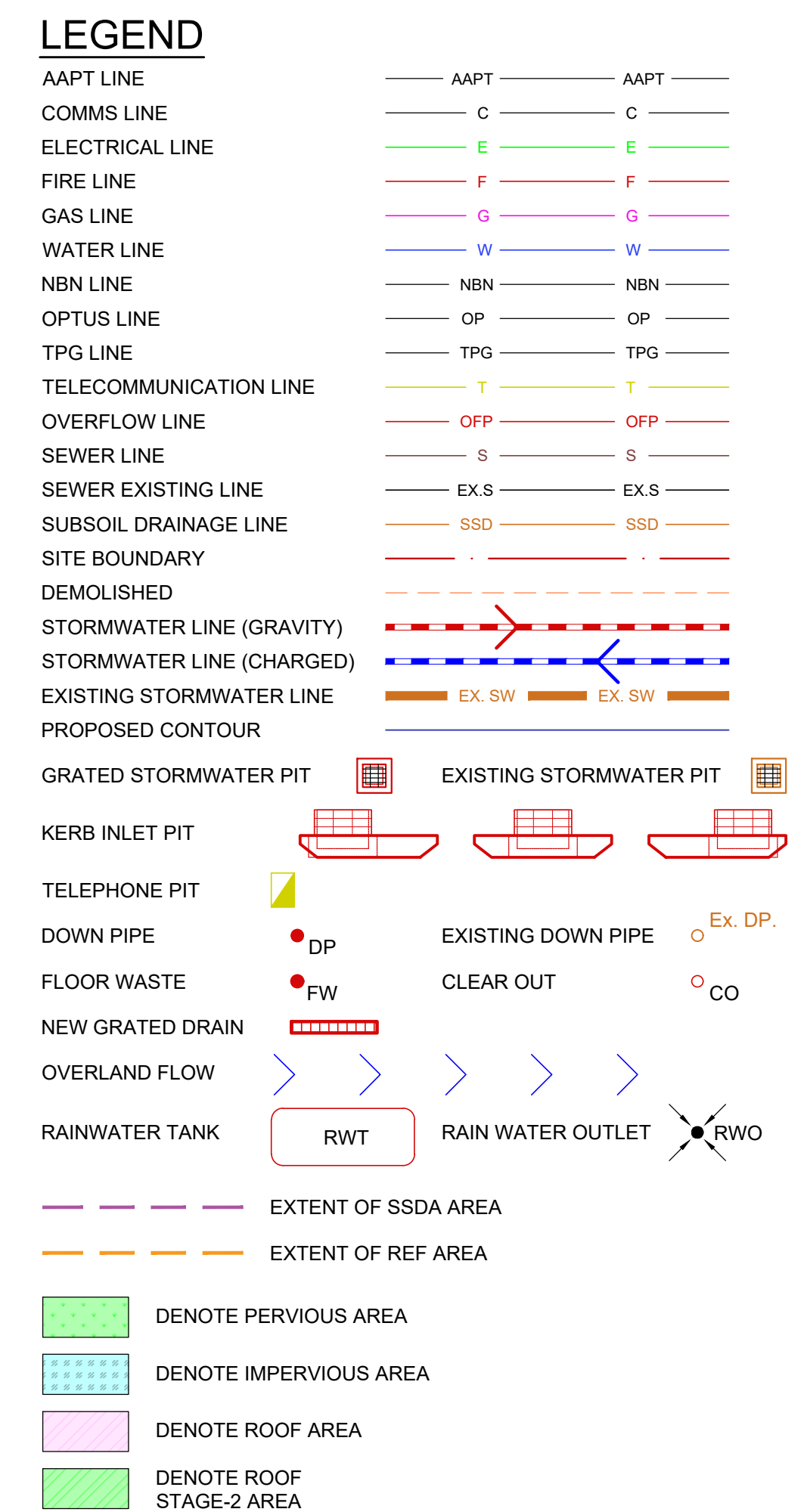


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PROJECT
FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE
SOIL EROSION & SEDIMENT CONTROL - DETAILS 02

SCALES	as noted @ A1	DATE	APR' 2024
DRAWN	DESIGN	VERIFIED	APPROVED
C.KE	G.K	C.M	M.G
ISSUE	PROJECT No.	DRAWING No.	
P5	9150	C.16	



P8	REVISED SSDA ISSUE	MG	25-07-25
P7	REVISED SSDA ISSUE	MG	18-07-25
P6	SSDA ISSUE	MG	13-06-25
P5	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
P4	100% SCHEMATIC ISSUE	MG	16-05-25
P3	PRELIMINARY	-	23-04-25
P2	PRELIMINARY	-	01-04-25
P1	70% SCHEMATIC ISSUE	-	23-09-24
ISSUE	DESCRIPTION	APPROVED	DATE

CLIENT

 Fairfield
SHOWGROUND

ARCHITECT
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PROJECT

FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE STORMWATER DRAINAGE PLAN SHEET 1
--

SCALES			as noted @ A1		DATE		
					APR' 2024		
DRAWN		DESIGN		VERIFIED		APPROVED	
C.KE		G.K		C.M		M.G	

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ISSUE	PROJECT No.	DRAWING No.
P8	9150	C.20

A1 0 1 2 3 4 5 6 7 8 9

THIS MAY BE A REDUCED SIZE PRINT - CHECK SCALE

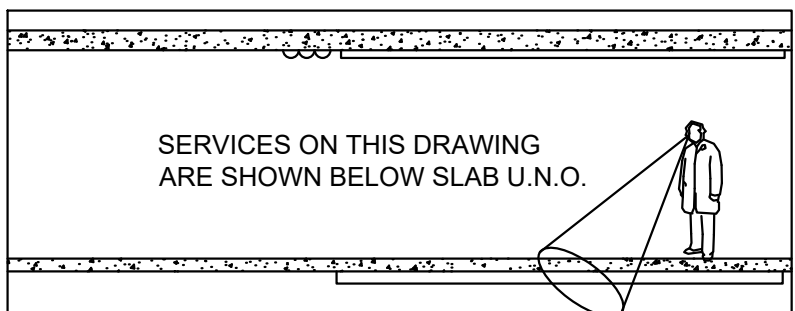
SCALE 1:400	
- SERVICES SHOWN ON PLAN ARE INDICATIVE, EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE. - ROOF DRAINAGE BY OTHERS. - ALL uPVC STORMWATER DRAINAGE LINES SHALL BE 'CLASS SH' SEWER GRADE UNLESS NOTED OTHERWISE. - UNLESS NOTED OTHERWISE DOWNPIPES SHALL CONNECT TO THE MAIN STORMWATER LINE DOWNSTREAM USING 150mm DIAMETER uPVC LINES WITH MINIMUM 1% FALL.	- UNLESS NOTED OTHERWISE GRATED DRAINS SHALL BE 150x150 AND CONNECTED TO THE DOWNSTREAM (NON-CHARGED) STORMWATER SYSTEM USING 150mm DIAMETER uPVC LINES WITH MINIMUM 1% FALL. - ALL SUBSOIL DRAINAGE NOT SHOWN ON THE PLAN IS TO BE PROVIDED AND CONNECTED TO THE STORMWATER DRAINAGE SYSTEM. - THE CONTRACTOR MUST VERIFY THE EXACT LOCATION AND EXTENT OF ALL SERVICES PRIOR TO CONSTRUCTION AND NOTIFY IMMEDIATELY OF ANY CONFLICTS WITH THE DRAWINGS TO THE ENGINEER/SUPERINTENDENT.

**PRINT IN
COLOUR**

 **DIAL *BEFORE* YOU DIG**
www.1100.com.au

IMPORTANT: THE CONTRACTOR IS TO MAINTAIN A CURRENT SET OF "DIAL BEFORE YOU DIG" DRAWINGS ON SITE AT ALL TIMES.

SERVICES ON THIS DRAWING
ARE SHOWN BELOW SLAB LINE



STORMWATER PIT SCHEDULE							
PIT No.	PIT COVER LEVEL (RL)	PIT INVERT LEVEL (IL)	PIT TYPE	INTERNAL PIT SIZE	COVER TYPE	COVER CLASS	REMARKS
PIT 100	32.30	31.30	KIP	900 x 900	GRATE	D	1.8m LINTEL
PIT 101	31.70	30.50	KIP	900 x 900	GRATE	D	1.8m LINTEL
PIT 102	31.20	29.90	KIP	900 x 900	GRATE	D	1.8m LINTEL
PIT 103	30.20	28.725	KIP	900 x 900	GRATE	D	1.8m LINTEL
PIT 104	29.80	28.425	KIP	900 x 900	GRATE	D	1.8m LINTEL
PIT 105	29.60	28.30	GSIP	900 x 900	V'-GRATE	D	
PIT 106	29.10	28.05	KIP	900 x 900	GRATE	D	1.8m LINTEL
PIT 107	28.80	27.85	KIP	900 x 900	GRATE	D	1.8m LINTEL
PIT 01	30.66	30.00	GSIP	600 x 600	GRATE	B	HEELGUARD
PIT 02	30.55	29.68	GSIP	600 x 600	GRATE	B	HEELGUARD
PIT 03	30.50	29.465	GSIP	600 x 900	GRATE	B	HEELGUARD
PIT 04	30.60	29.00	GSIP	900 x 900	GRATE	B	HEELGUARD
PIT 05	30.80	28.521	GSIP	900 x 900	GRATE	B	HEELGUARD
PIT 06	29.90	28.167	GSIP	900 x 900	GRATE	B	HEELGUARD
PIT 07	30.15	29.15	GSIP	600 x 600	GRATE	D	HEELGUARD
PIT 08	31.65	30.65	GSIP	600 x 900	GRATE	D	HEELGUARD WITH STORMSACK, LOCATION OF PIT TO BE COORDINATED WITH WHEELSTOP
PIT 09	31.70	30.83	GSIP	600 x 900	GRATE	D	HEELGUARD WITH STORMSACK, LOCATION OF PIT TO BE COORDINATED WITH WHEELSTOP
PIT 10	31.80	31.00	GSIP	600 x 600	GRATE	D	HEELGUARD WITH STORMSACK, LOCATION OF PIT TO BE COORDINATED WITH WHEELSTOP
PIT 11	30.80	30.00	GSIP	600 x 600	GRATE	D	HEELGUARD
PIT 12	31.40	30.56	GSIP	600 x 600	GRATE	D	HEELGUARD
PIT 13	31.85	31.19	GSIP	600 x 600	GRATE	D	HEELGUARD
PIT 14	32.30	31.58	GSIP	600 x 600	GRATE	D	HEELGUARD
PIT 15	30.64	29.88	GSIP	600 x 600	GRATE	D	HEELGUARD
PIT 16	30.10	28.208	GSIP	900 x 900	GRATE	D	HEELGUARD

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

P3	REVISED SSQA ISSUE	MG	18-07-25
P2	SSQA ISSUE	MG	13-08-25
P1	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
ISSUE	DESCRIPTION	APPROVED	DATE

CLIENT



ARCHITECT

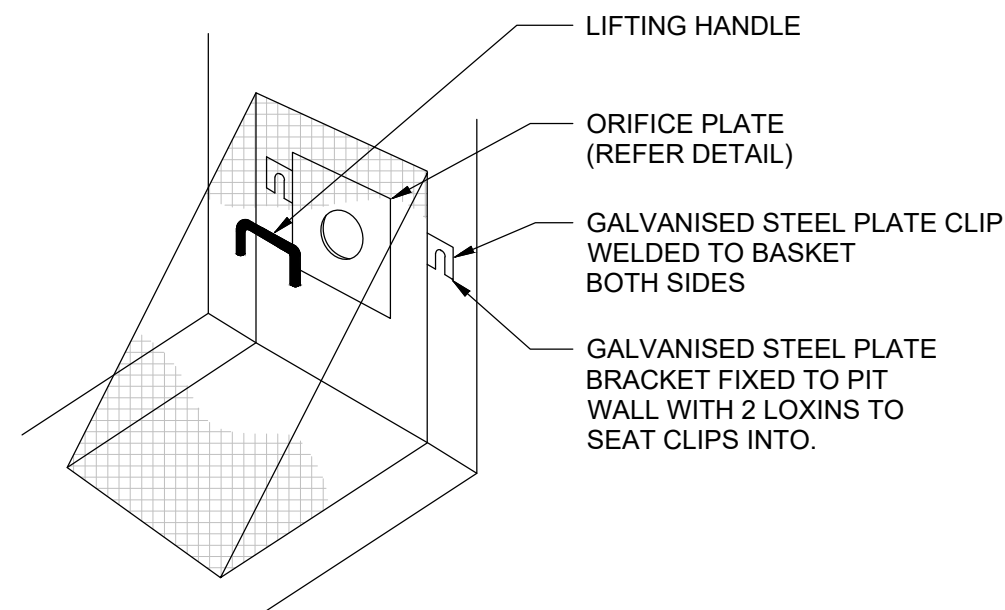
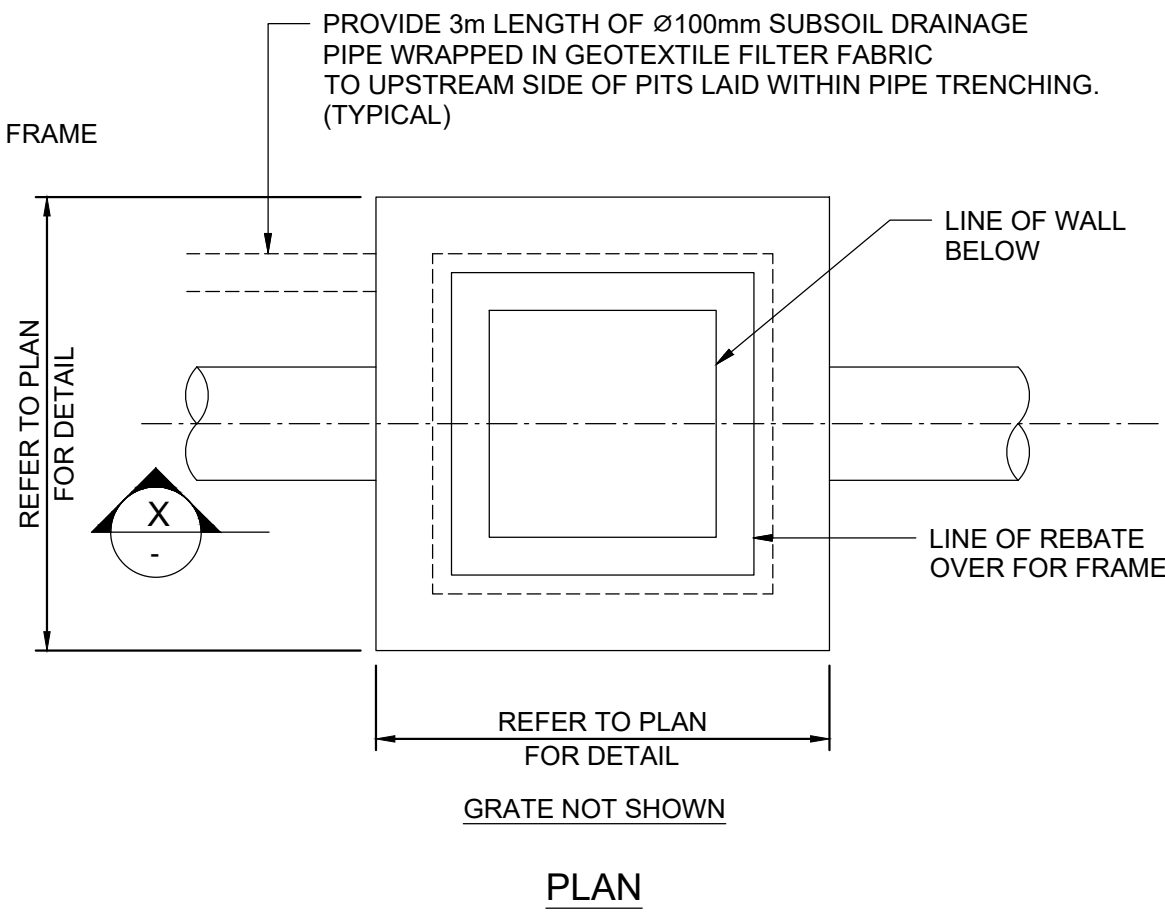
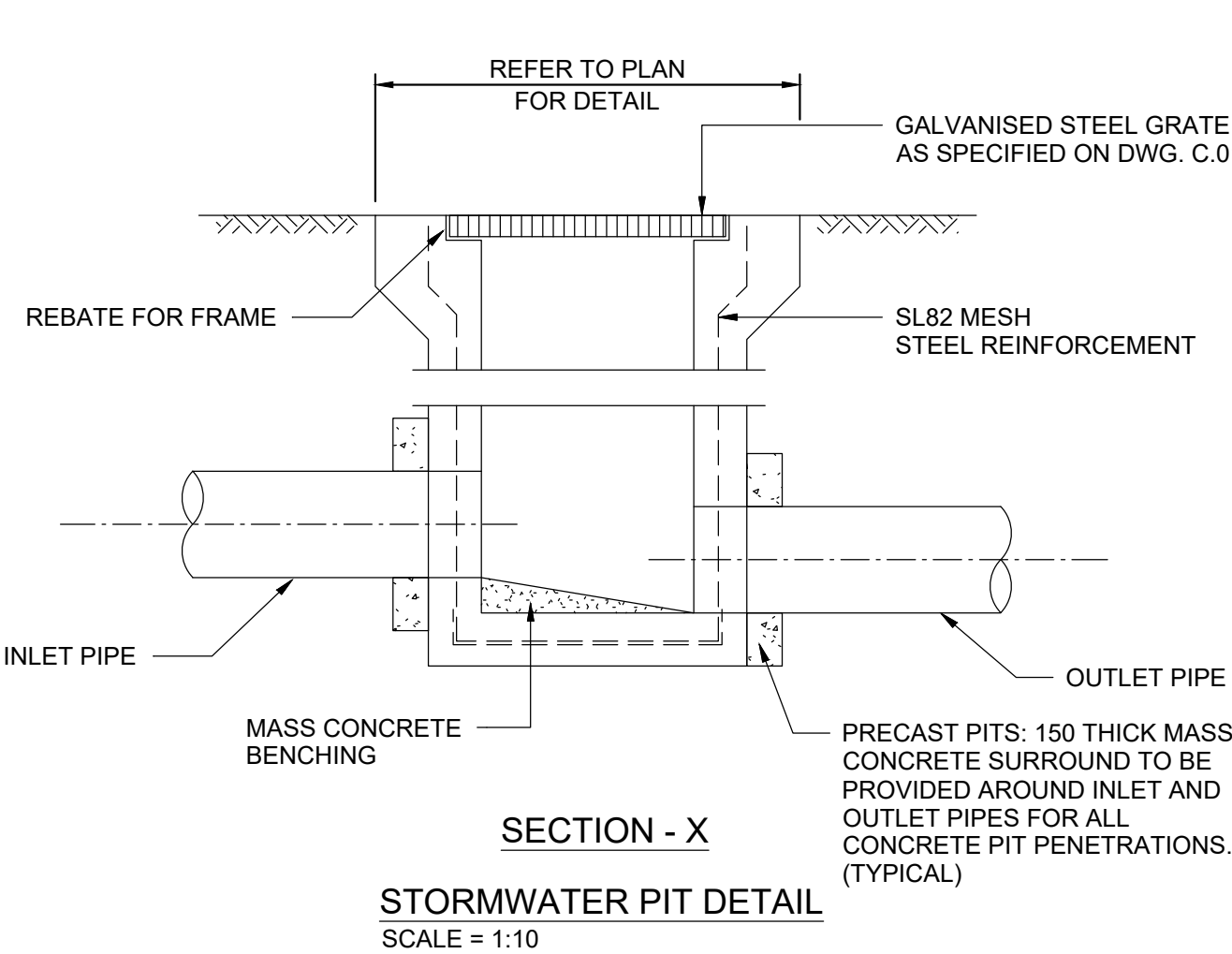


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PROJECT
FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE
PIT SCHEDULE

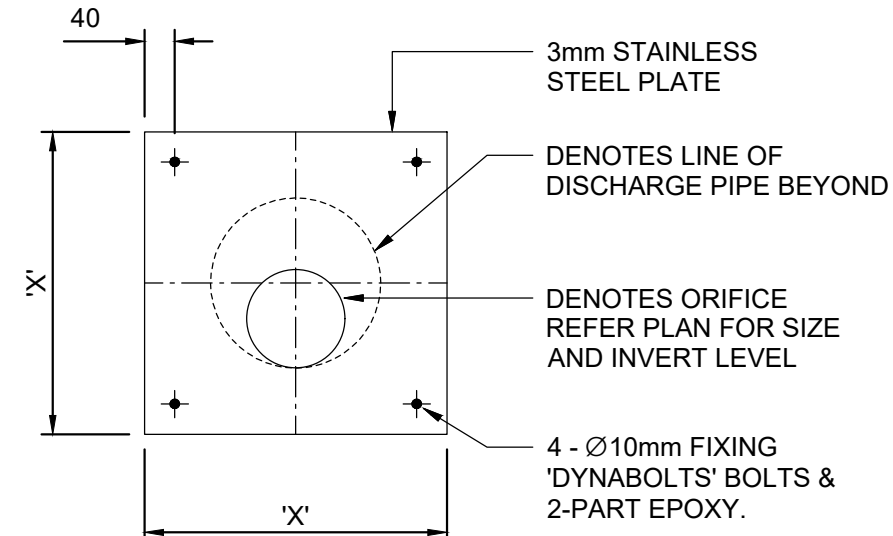
SCALES as noted @ A1			DATE APR' 2024
DRAWN C.KE	DESIGN G.K	VERIFIED C.M	APPROVED M.G
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ISSUE P3	PROJECT No. 9150	DRAWING No. C.30	



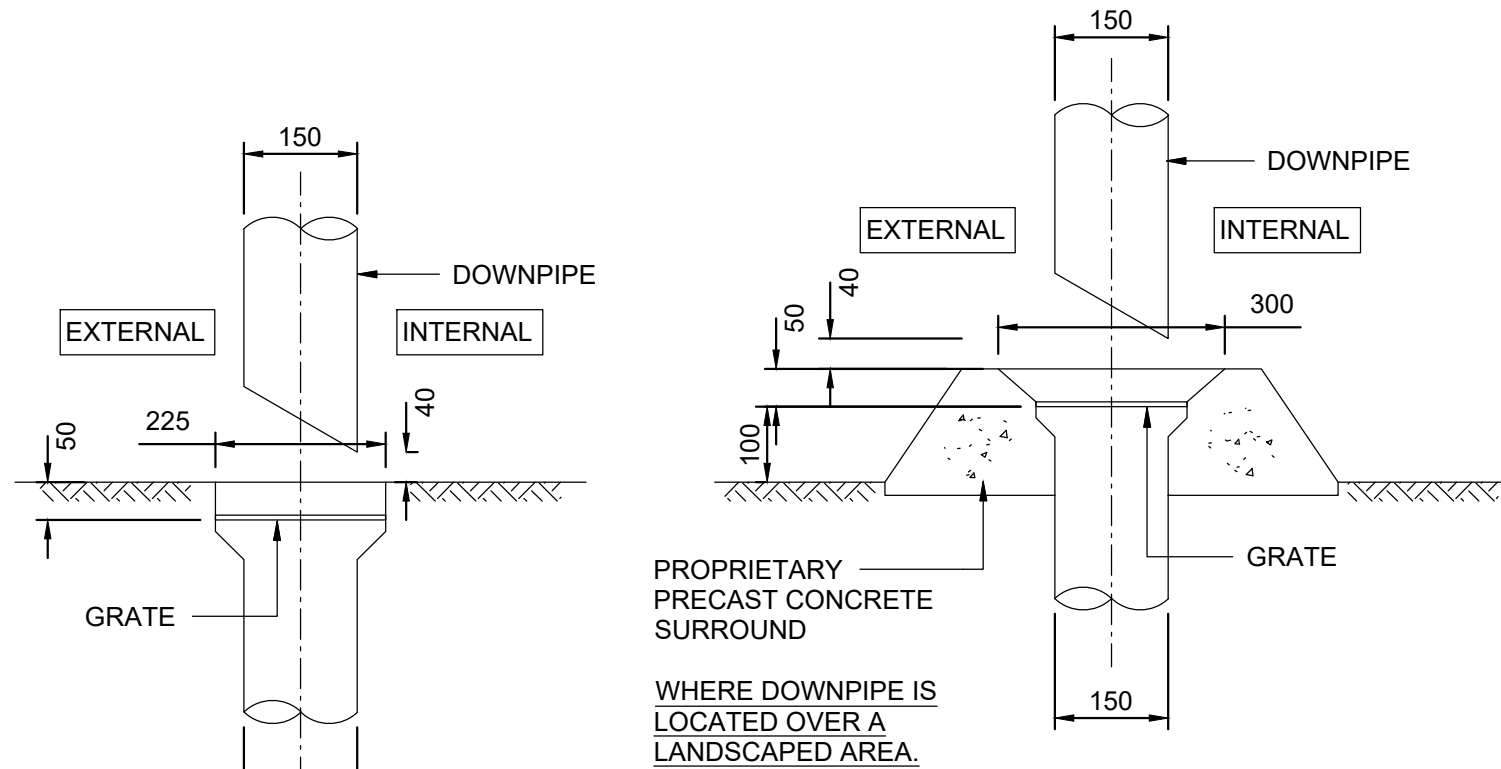
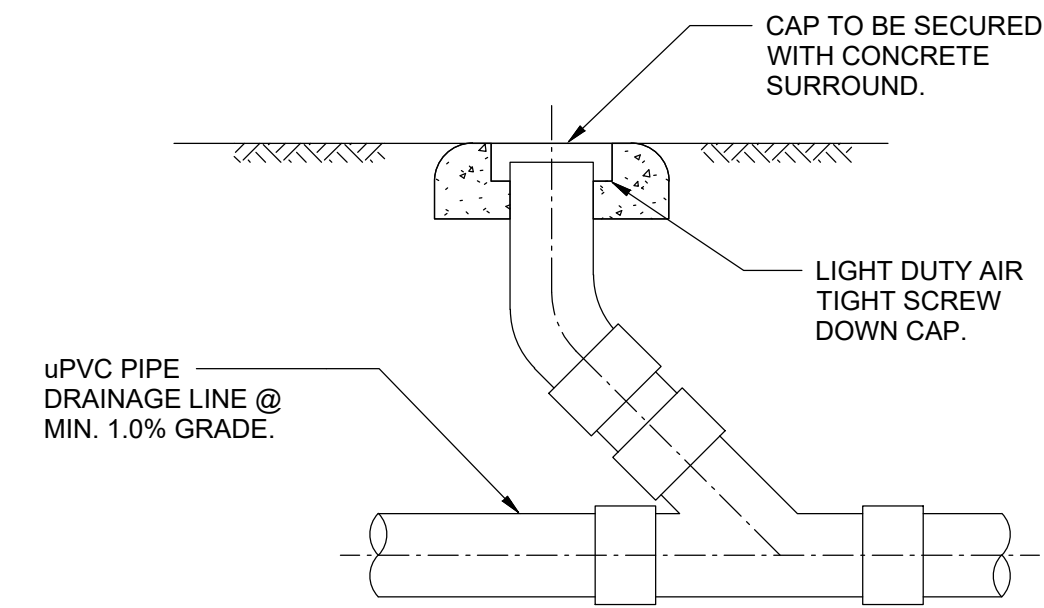
DEBRIS SCREEN DETAIL
(NOT TO SCALE)

FOR OSD ORIFICE DIAMETERS:

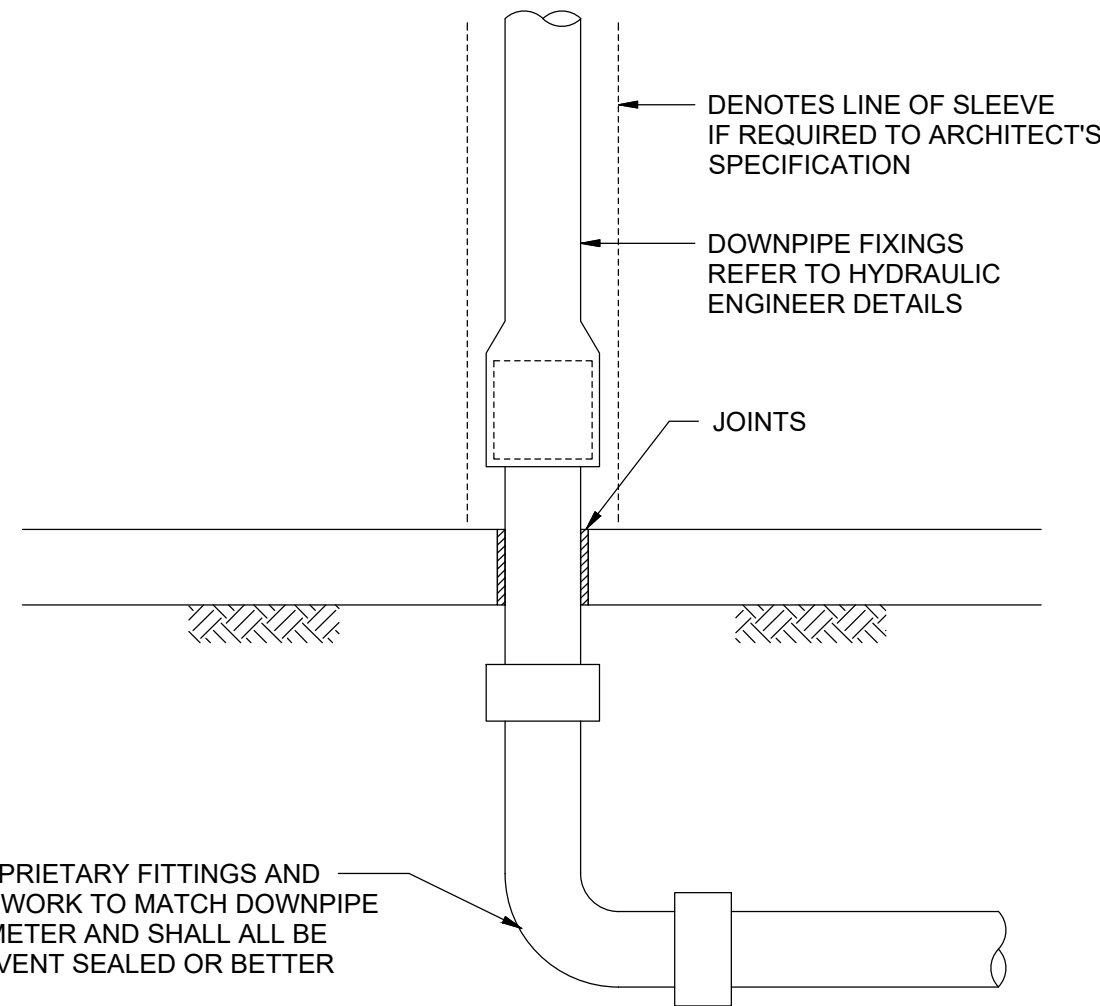
- LESS THAN 150mm - PROVIDE MAXI-MESH TRASH SCREEN WITH SURFACE AREA 50 TIMES THAT OF THE ORIFICE OPENING.
- GREATER THAN 150mm - PROVIDE WELDLOK F40/203 TRASH SCREEN WITH SURFACE AREA 20 TIMES THAT OF THE ORIFICE OPENING.



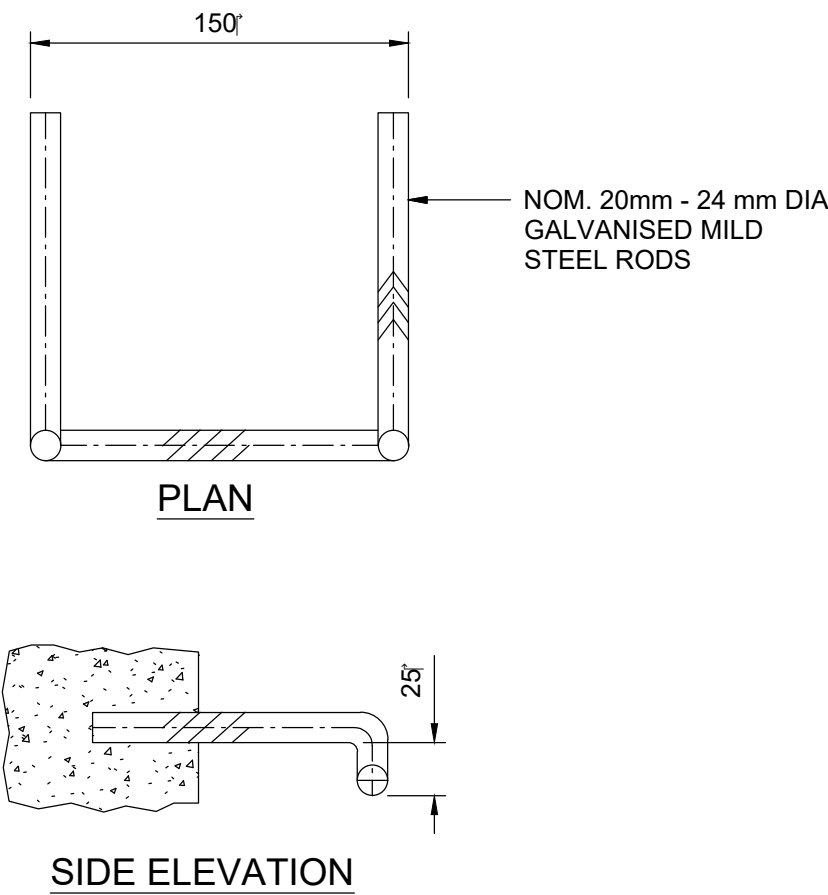
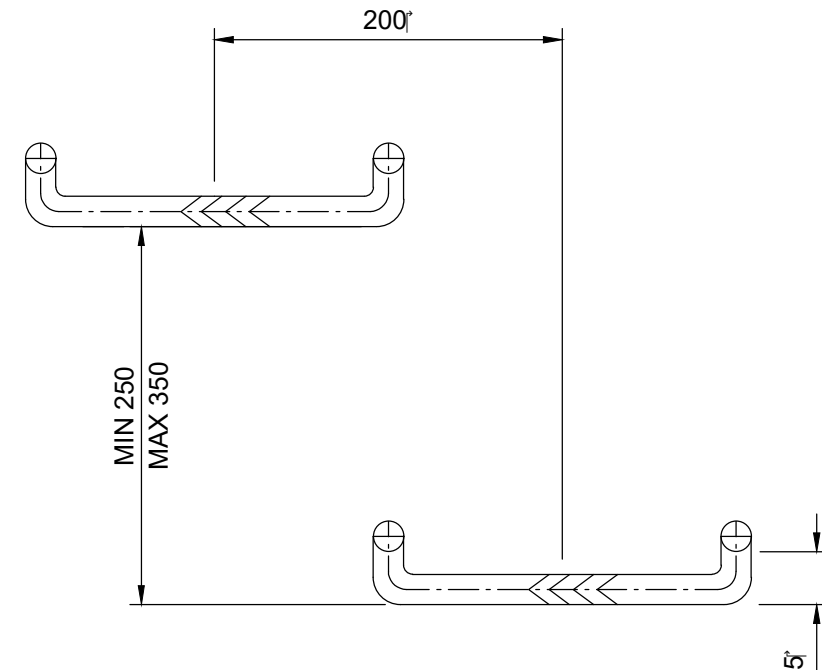
ORIFICE PLATE DETAIL
SCALE = 1:10



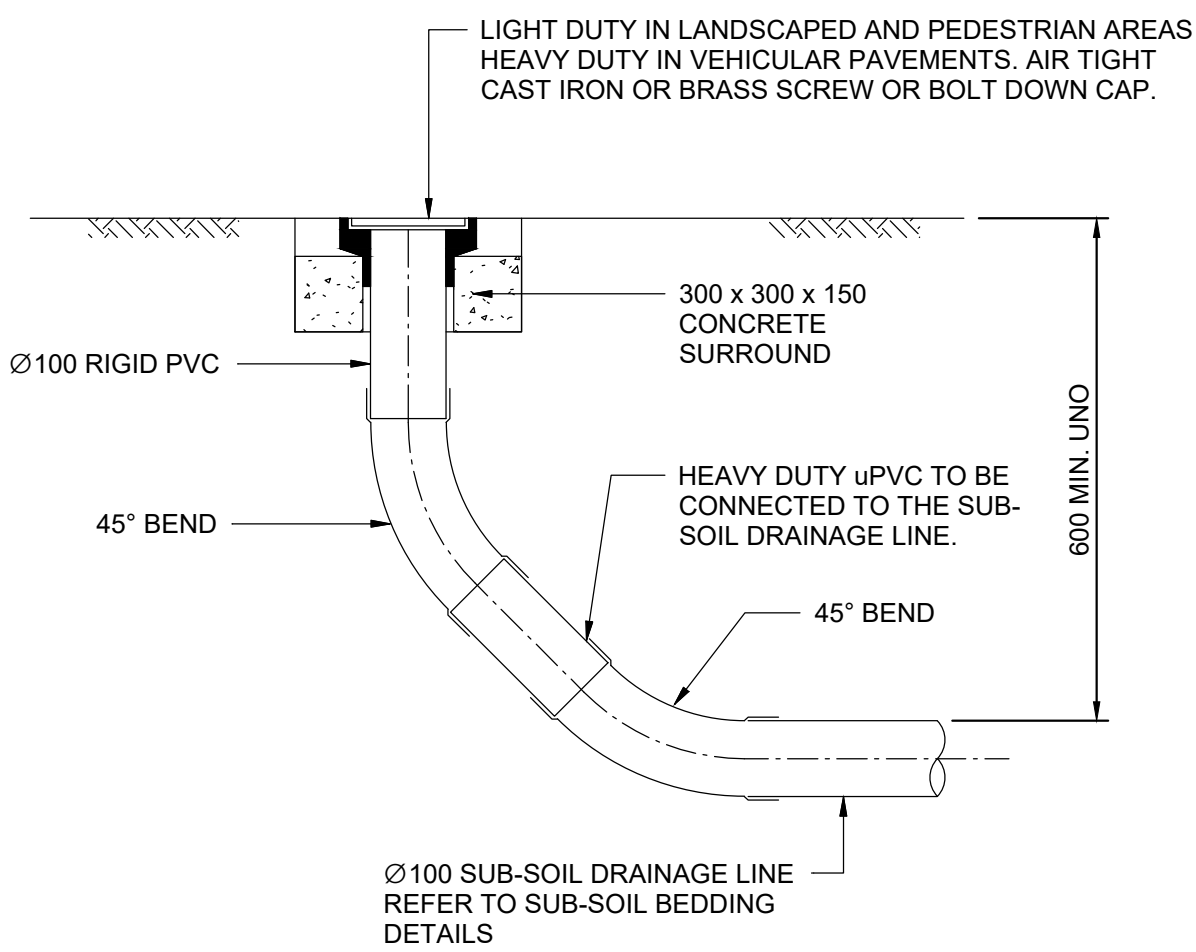
DOWNPIPE CONNECTION DETAILS
SCALE = 1:10



CHARGED DOWNPIPE CONNECTION DETAIL
(NOT TO SCALE)

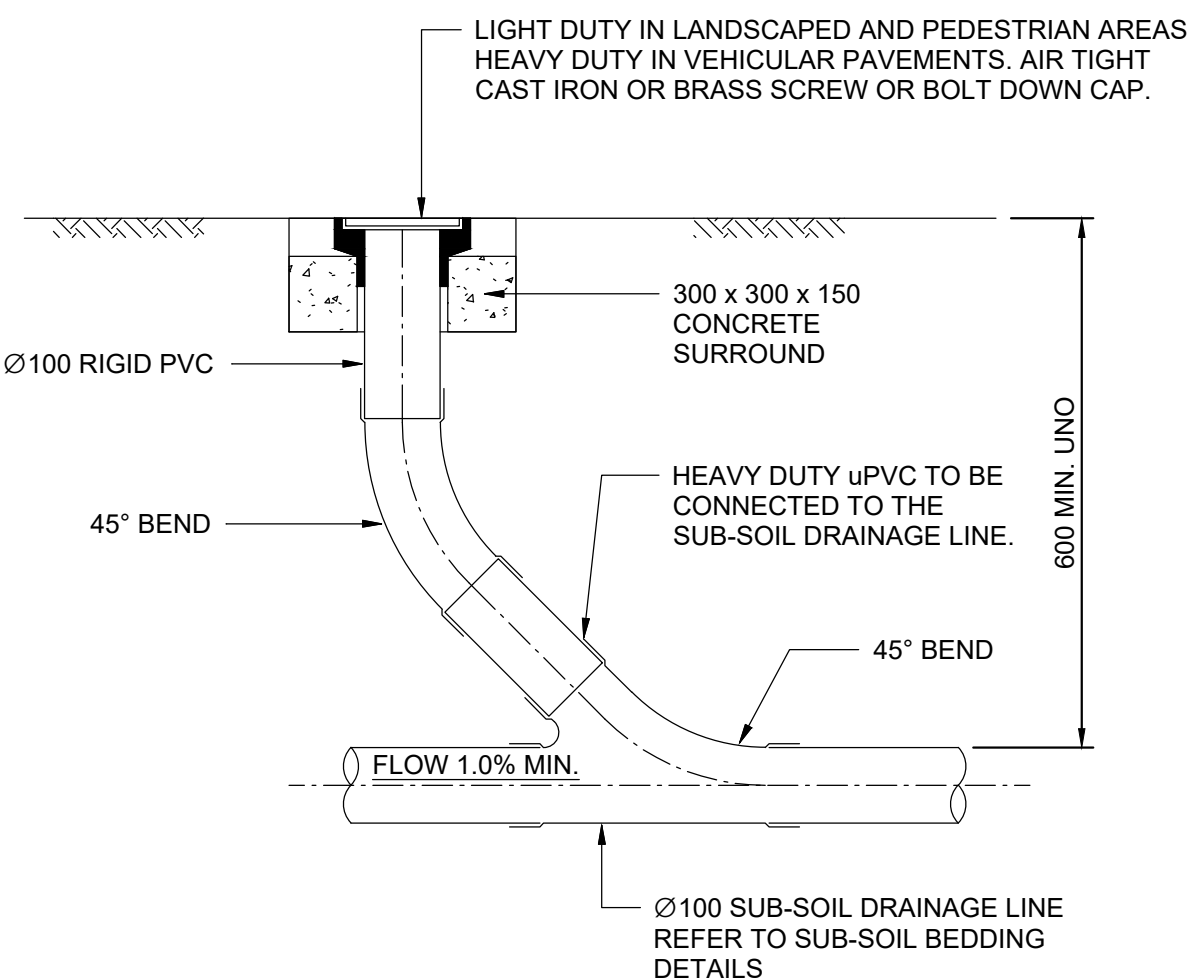


STEP IRON DETAILS
(NOT TO SCALE)
PROVIDE FOR PITS/TANKS GREATER THAN 900mm DEEP



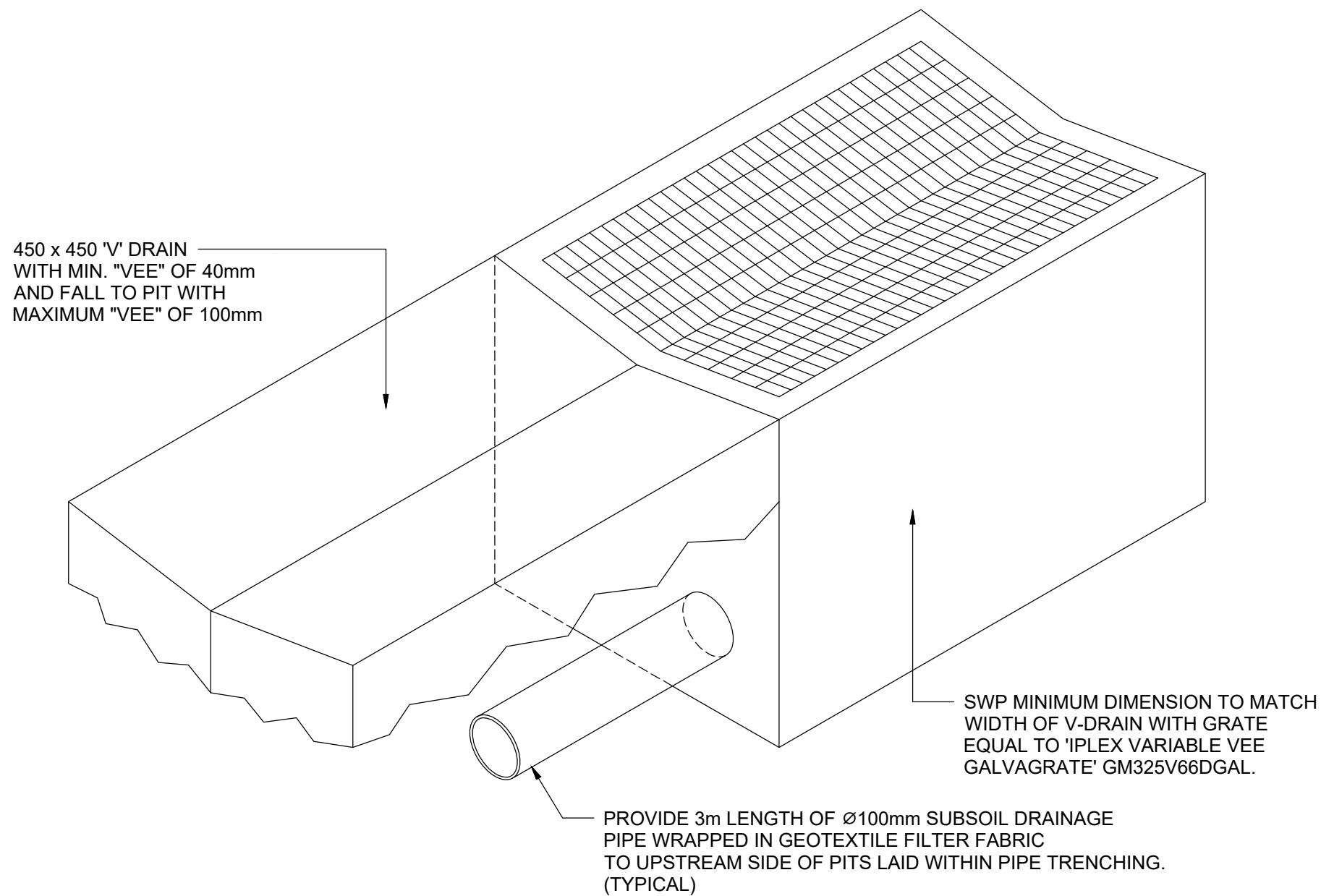
FLUSHING POINT (FP)
SCALE = 1:10

- NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED
- U.N.O. INSTALL AT UPSTREAM POINTS ALONG SUBSOIL DRAINAGE LINES

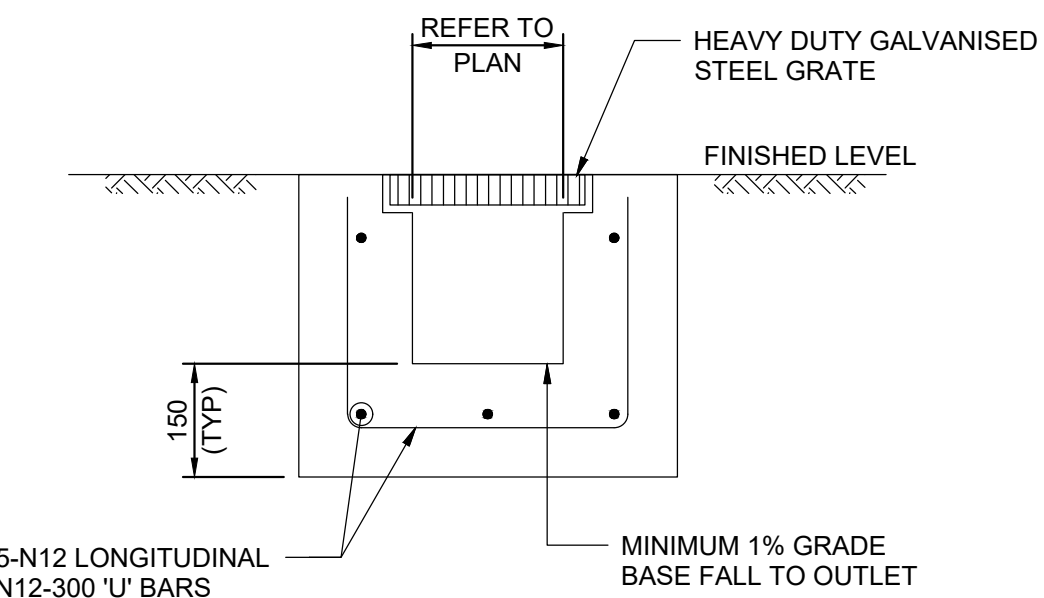


INTERMEDIATE RISER (IR)
SCALE = 1:10

- NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED.
- U.N.O. INSTALL AT UPSTREAM POINTS ALONG SUBSOIL DRAINAGE LINES.
- U.N.O. INSTALL AT MAXIMUM 30m CENTRES ALONG SUBSOIL LINES AND PRIOR TO DISCHARGING TO DRAINAGE STRUCTURES.



'V' DRAIN STORMWATER PIT TYPICAL DETAIL
(NOT TO SCALE)



TYPICAL GRATED DRAIN DETAIL
(NOT TO SCALE)

PRELIMINARY ISSUE

NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
P5	REVISED S30A ISSUE	MG	16-07-25
P4	SSDA ISSUE	MG	13-06-25
P3	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
P2	100% SCHEMATIC ISSUE	MG	16-05-25
P1	PRELIMINARY	MG	23-04-25

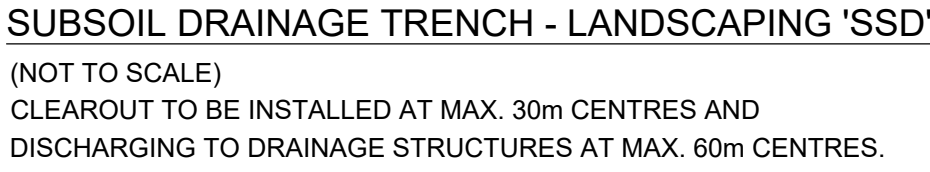


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PROJECT
FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE
CIVIL DRAINAGE DETAILS 01

SCALES	as noted @ A1	DATE	APR' 2024
DRAWN	C.K.E	DESIGN	G.K
VERIFIED	C.M	APPROVED	M.G
ISSUE	P5	PROJECT No.	9150
DRAWING No.	C.31		



PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

P5	REVISED SSDA ISSUE	MG	18-07-25
P4	SSDA ISSUE	MG	15-06-25
P3	RE-ISSUE, 100% SCHEMATIC ISSUE	MG	05-06-25
P2	100% SCHEMATIC ISSUE	MG	16-05-25
P1	PRELIMINARY	MG	23-04-25
ISSUE	DESCRIPTION	APPROVED	DATE

CLIENT



ARCHITECT

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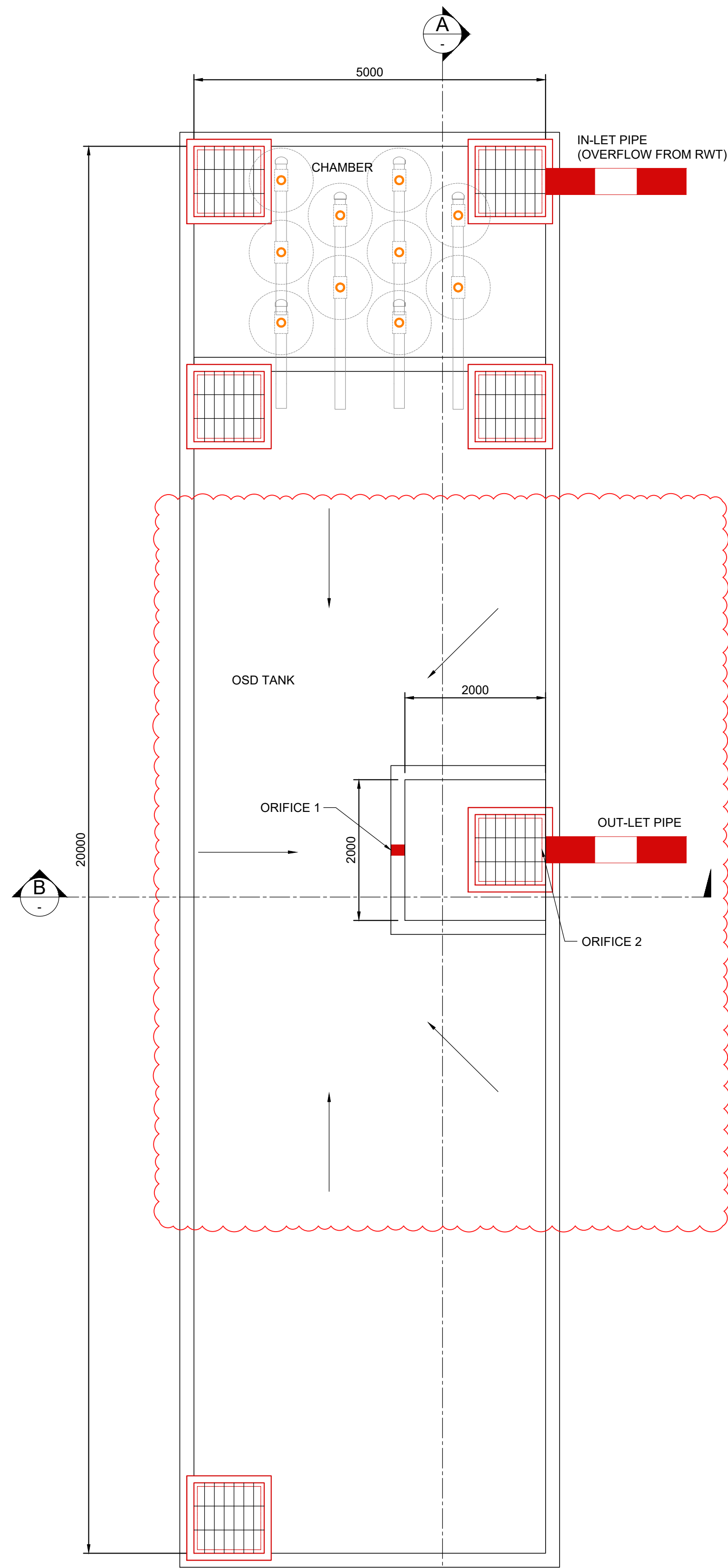
PROJECT

FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE

CIVIL DRAINAGE DETAILS 02

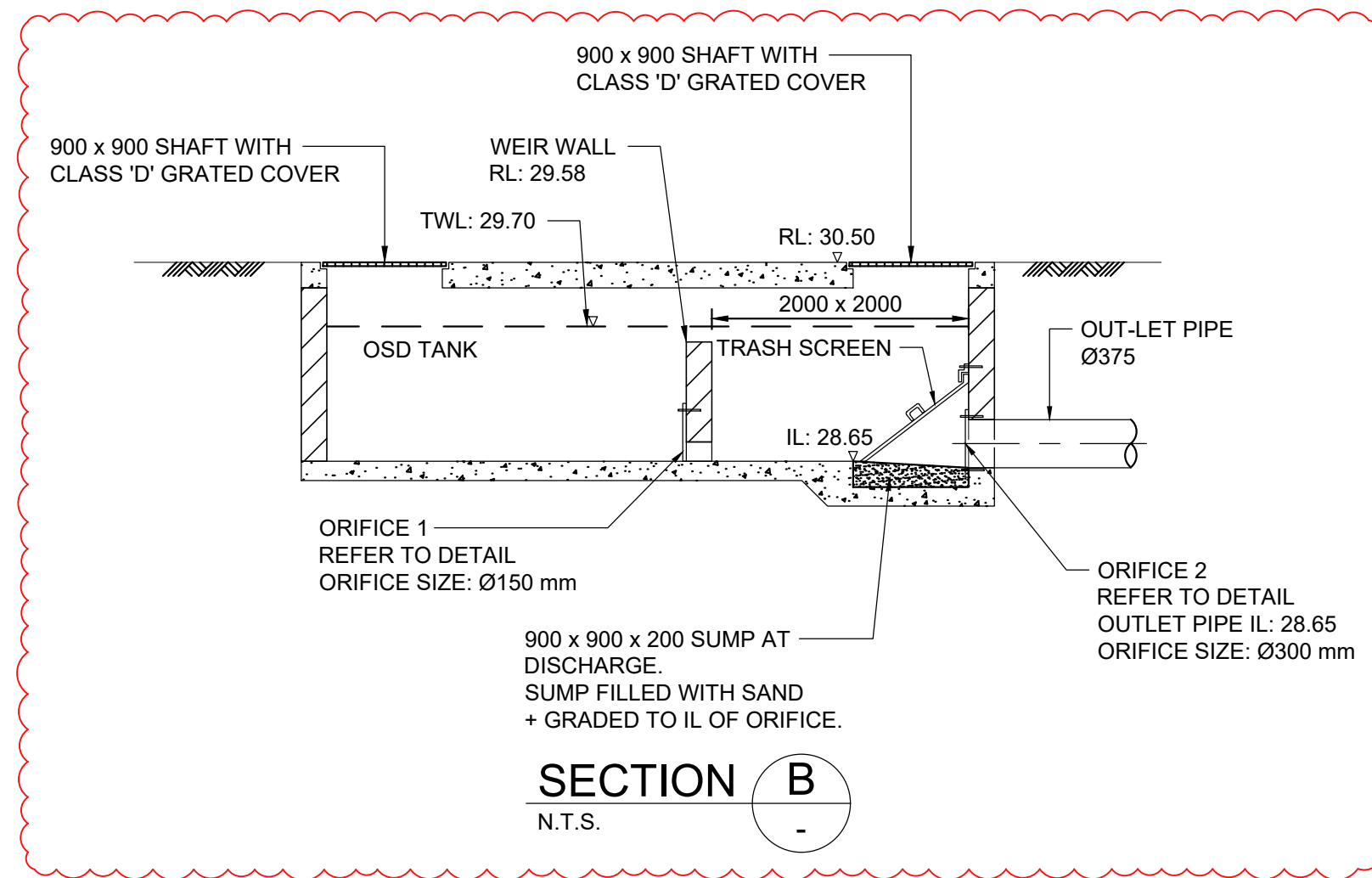
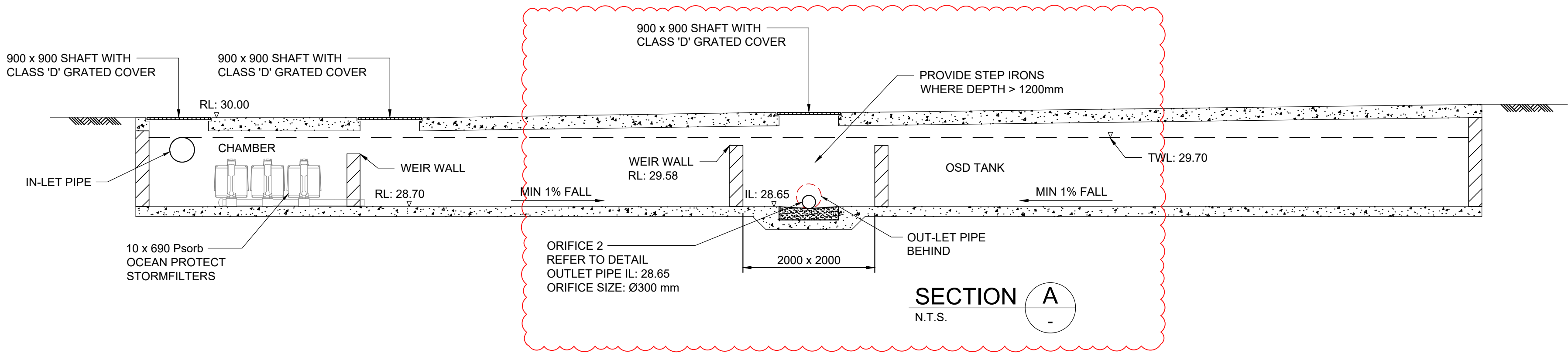
SCALES		as noted @ A1		DATE APR' 2025	
DRAWN C.KE		DESIGN G.K		APPROVED M.M	
VERIFIED C.M		PROJECT NO. P5		DRAWING NO. C.32	



OSD TANK PLAN

SCALE 1:50

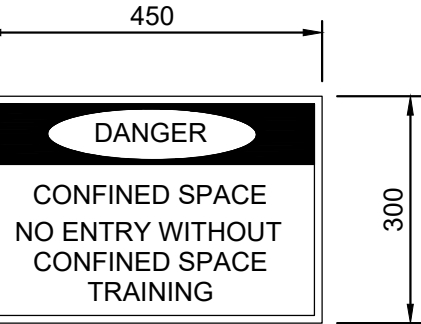
OSD TANK
CAPACITY = 100 m³



NOTES:
ORIFICE 1 GOVERNED BY CONDITION 1: - MAXIMUM PSD OF 140 L/SEC/HA OR 104.8 L/s FOR THE 9 HOUR 100 YEAR ARI.
ORIFICE 2 GOVERNED BY CONDITION 2: - MAXIMUM PSD OF PRE-DEVELOPMENT SITE DISCHARGE FOR THE 5, 15, 30, 60, 90, 120 AND 540 MINUTES DURATION STORMS FOR THE 5 AND 100 YEAR ARI.

THIS IS AN
ON-SITE STORMWATER
DETENTION SYSTEM
REQUIRED BY LOCAL COUNCIL.
IT IS AN OFFENCE TO REMOVE THE VOLUME
OF THE TANK OR BASIN OR TO INTERFERE
WITH ORIFICE PLATE THAT CONTROLS THE
OUTFLOW.
THE BASE OF THE OUTLET CONTROL PIT AND THE
ORIFICE SCREEN MUST BE KEPT CLEAR OF DEBRIS
AND SEDIMENT ON A REGULAR BASIS BY THE
OWNER.
THIS PLATE MUST NOT BE REMOVED.

OSD SIGN DETAIL
(NOT TO SCALE)



CONFINED SPACE SIGN DETAIL
SCALE = 1:10

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
P6	REVISED SSDA ISSUE	MG	25-07-25
P5	REVISED SSDA ISSUE	MG	18-07-25
P4	SSDA ISSUE	MG	13-06-25
P3	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
P2	100% SCHEMATIC ISSUE	MG	16-05-25
P1	PRELIMINARY	-	22-04-25

CLIENT



ARCHITECT



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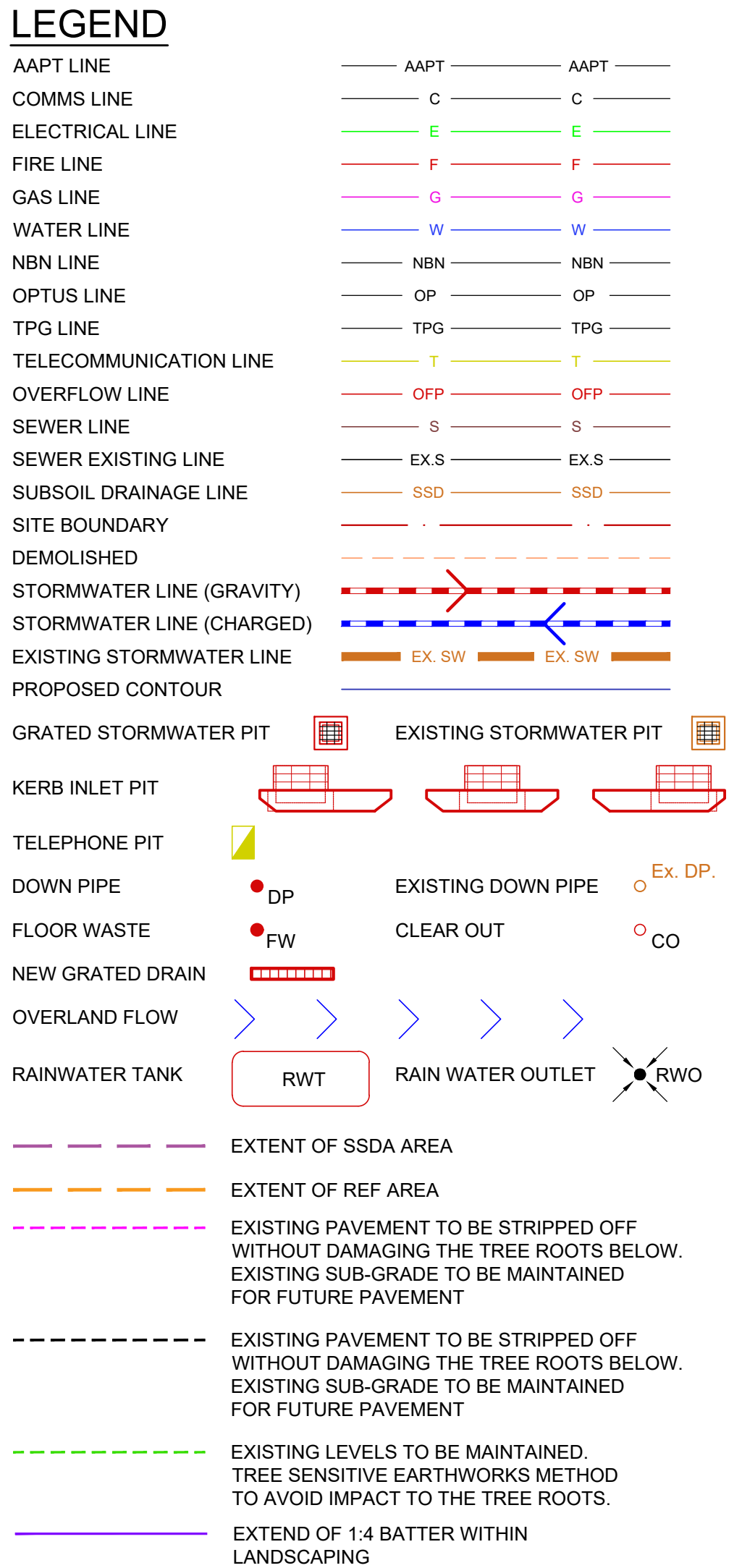
PROJECT

FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE

OSD TANK DETAILS

SCALES	as noted @ A1	DATE	APR' 2025
DRAWN	DESIGN	VERIFIED	APPROVED
C.KE	G.K	C.M	M.G
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ISSUE	PROJECT No.	DRAWING No.	
P6	9150	C.35	



P10	REVISED SSDA ISSUE	MG	08-08-25
P9	REVISED SSDA ISSUE	MG	25-07-25
P8	REVISED SSDA ISSUE	MG	16-07-25
P7	DRAWING REVISED	-	07-07-25
P6	SSDA ISSUE	MG	13-06-25
P5	RE-ISSUE 100% SCHEMATIC ISSUE	MG	10-06-25
P4	100% SCHEMATIC ISSUE	MG	10-05-25
P3	PRELIMINARY	MG	23-04-25
P2	PRELIMINARY	-	01-04-25
P1	70% SCHEMATIC ISSUE	-	23-09-24
ISSUE	DESCRIPTION	APPROVED	DATE



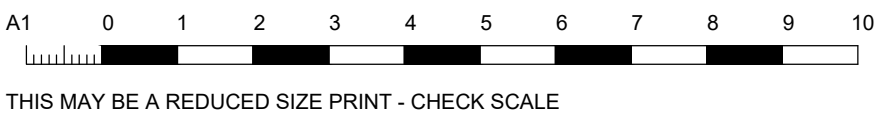
TITLE
EXTERNAL PAVEMENT PLAN

A diagram showing a circle with a shaded sector. A radius is labeled z .

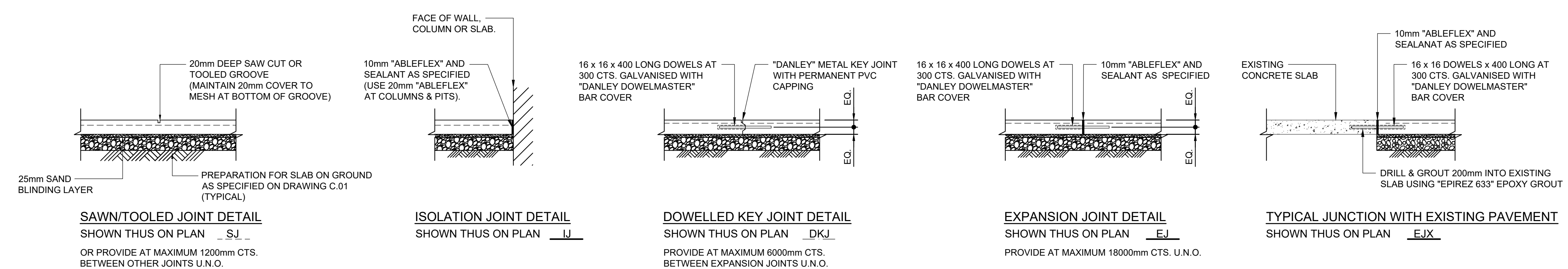
	DENOTES FOOTPATH PAVEMENT REFER TO DRAWING: C.51 FOR DETAILS
	DENOTES RIGID CONCRETE RIGID PAVEMENT - TYPE 1 REFER TO DRAWING: C.52 FOR DETAILS
	DENOTES RIGID CONCRETE RIGID PAVEMENT - TYPE 2 REFER TO DRAWING: C.52 FOR DETAILS
	DENOTES DECOMPOSED GRANITE PAVEMENT REFER TO DRAWING: C.52 FOR DETAILS
	DENOTES RIGID UNIT PAVERS REFER TO DRAWING: C.52 FOR DETAILS
	DENOTES LANDSCAPE
	DENOTES MILL AND RESHEET AREA
	DENOTES MILL AND RESHEET AREA WITH CORRECTOR DEPTH COURSE (VARIES)

SCALE 1:400

1. REFER TO STRUCTURAL DRAWING SA.01 & SA.02 FOR EXTERNAL WORKS CONSTRUCTION NOTES.
2. ARCHITECTURAL DESIGN SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS OF SETOUT AND CONSTRUCTION.
3. THE UTILITIES/ SERVICES SHOWN IN THESE PLANS HAVE BEEN COMPILED FROM MULTIPLE SOURCES OF INFORMATION. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR TO UNDERTAKE THEIR OWN SITE INVESTIGATIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES. THESE DRAWINGS ARE NEVER TO BE USED FOR THE PURPOSES OF LOCATING SERVICES.

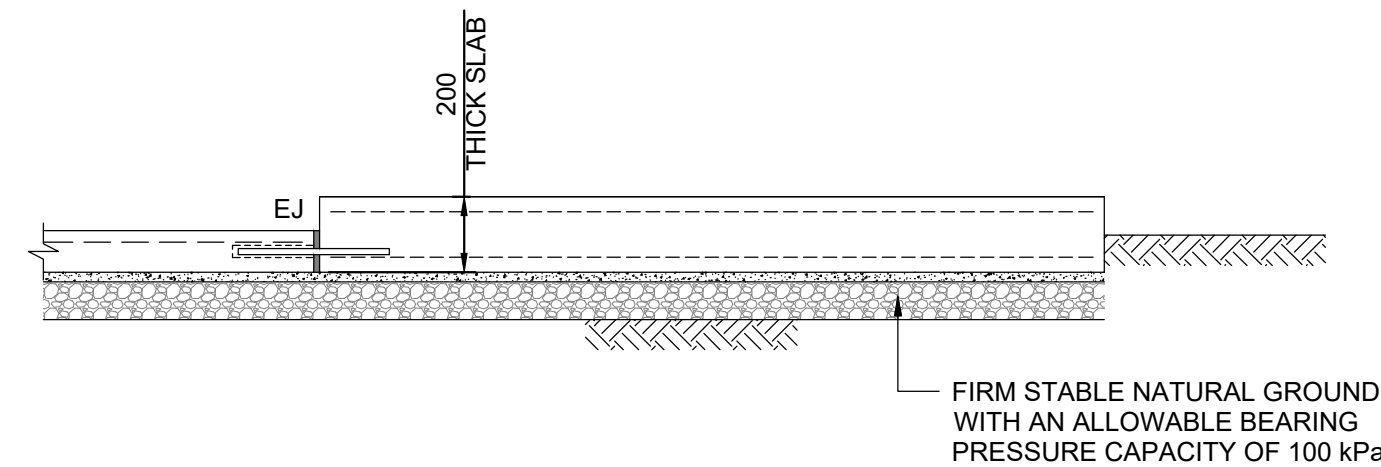
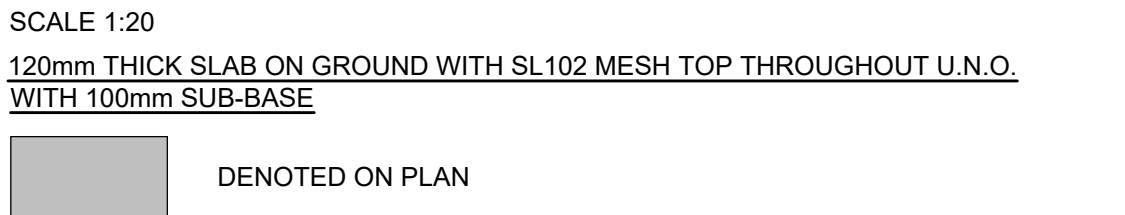


**PRINT IN
COLOUR**



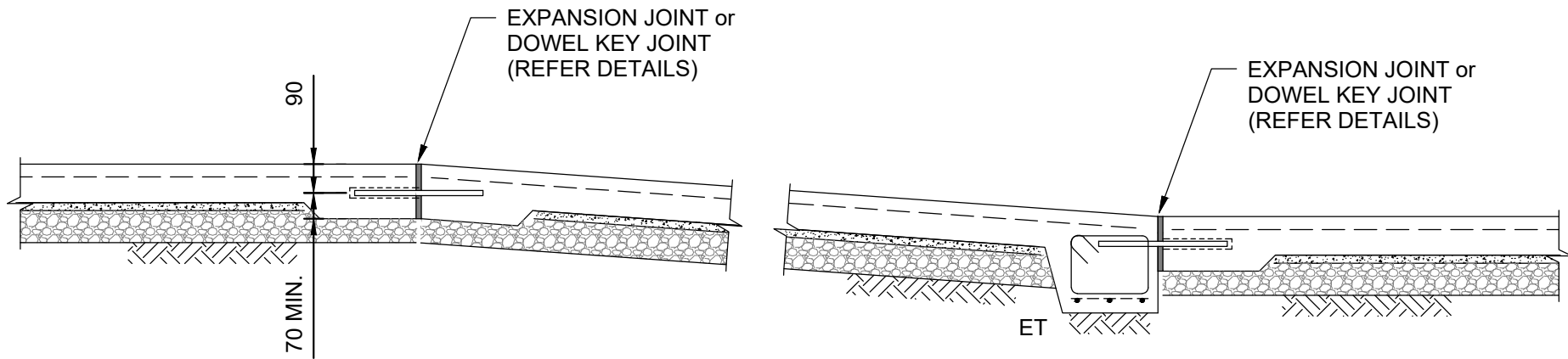
SAW CUTTING TABLE	
DAILY MAXIMUM TEMP. (°C)	LATEST TIME FOR SAWING (HOURS)
< 10	48
10 - 20	36
20 - 30	24
> 30	12

TYPICAL EXTERNAL CONCRETE FOOTPATH PAVEMENT JOINT DETAILS



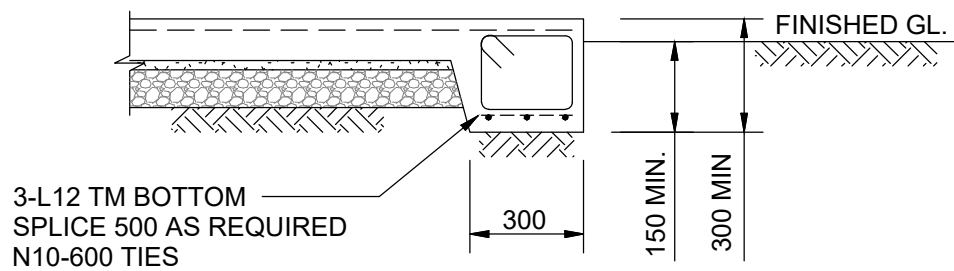
TYPICAL SECTION THROUGH SERVICES PLINTH

SCALE 1:20
200mm THICK SLAB ON GROUND (F'c = 32MPa)
PROVIDE SL92 MESH TOP & BOTTOM THROUGHOUT U.N.O.
REFER TO ARCHITECTS PLANS FOR LOCATIONS



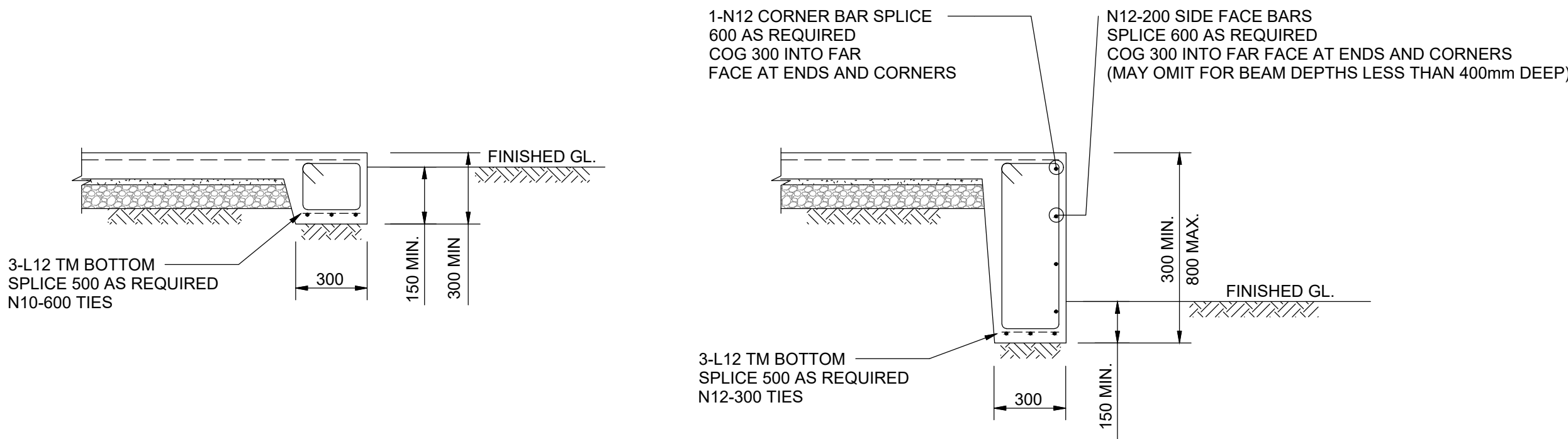
TYPICAL LONG SECTION THROUGH RAMP.

SCALE 1:20



TYPICAL CONCRETE PAVING EDGE THICKENING DETAIL

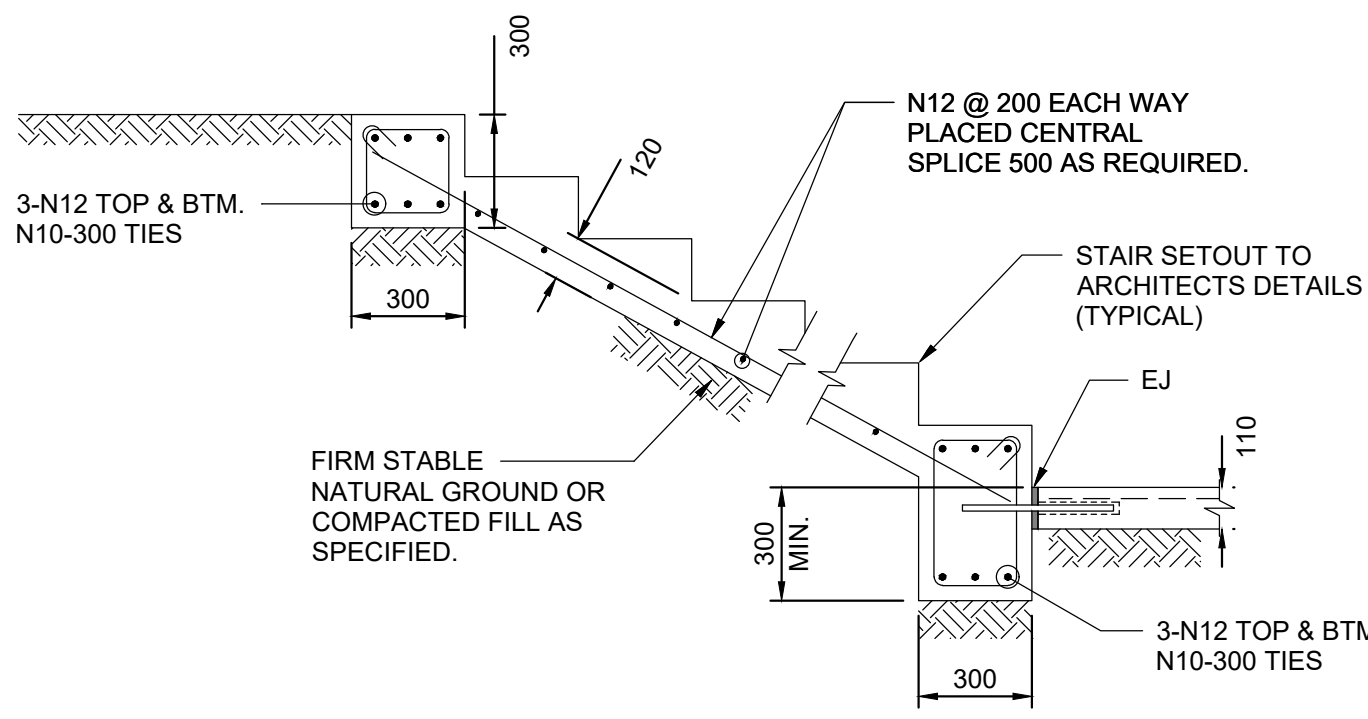
PROVIDE AT ALL EDGES OF PAVEMENT SLAB U.N.O.



TYPICAL CONCRETE PAVING DEEP EDGE THICKENING DETAIL

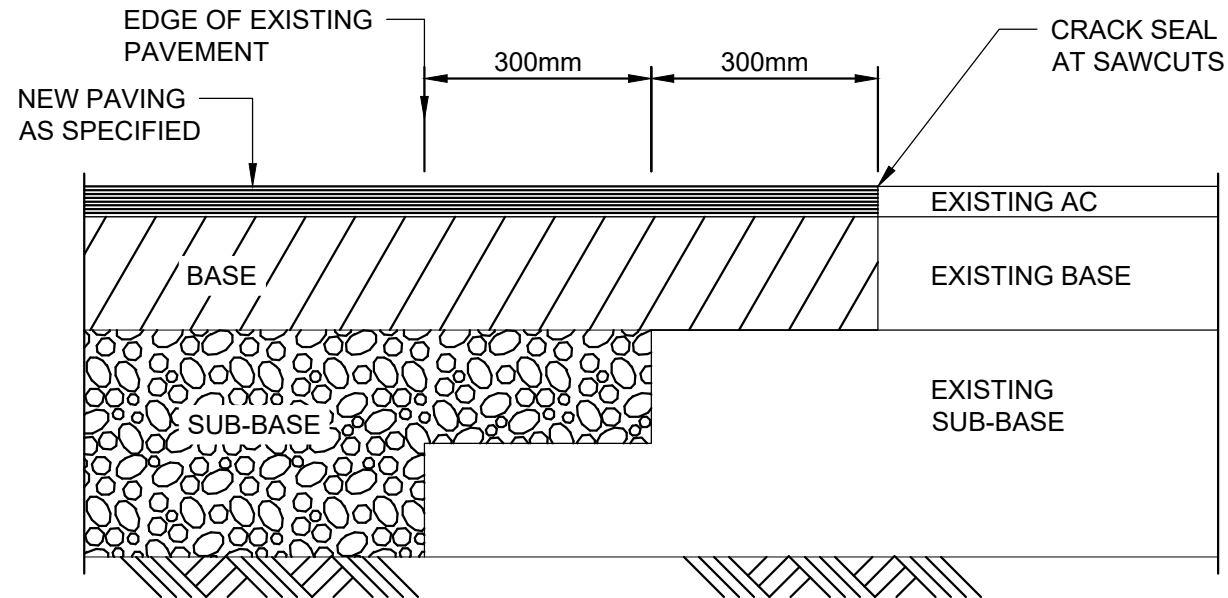
TYPICAL EXTERNAL CONCRETE FOOTPATH PAVEMENT EDGE THICKENING DETAILS.

SCALE 1:20
USE AS REQUIRED TO SUIT GROUND LEVELS OR AS SHOWN ON PLAN



TYPICAL STAIRS ON GROUND DETAIL

SCALE 1:20
REFER TO ARCHITECT'S DRAWINGS FOR EXACT NUMBER OF TREADS AND RISERS



TYPICAL DETAIL OF NEW TO EXISTING PAVEMENT

- SCALE 1:10
- REMOVE A STRIP OF THE EXISTING PAVEMENT AT LEAST 300mm WIDE FOR ITS FULL DEPTH.
 - TRIM THE NEW EDGE TO AN ANGLE OF APPROXIMATELY 45° IN STEPS OF MAXIMUM HEIGHT 150mm THEN PLACE NEW PAVEMENT MATERIAL.
 - TRIM THE SEAL TO A NEAT EDGE USING PNEUMATIC TOOLS OR OTHER SUITABLE MEANS.

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
P4	REVISED SSDA ISSUE	MG	18-07-25
P3	SSDA ISSUE	MG	13-06-25
P2	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
P1	100% SCHEMATIC ISSUE	MG	16-05-25

CLIENT

ARCHITECT

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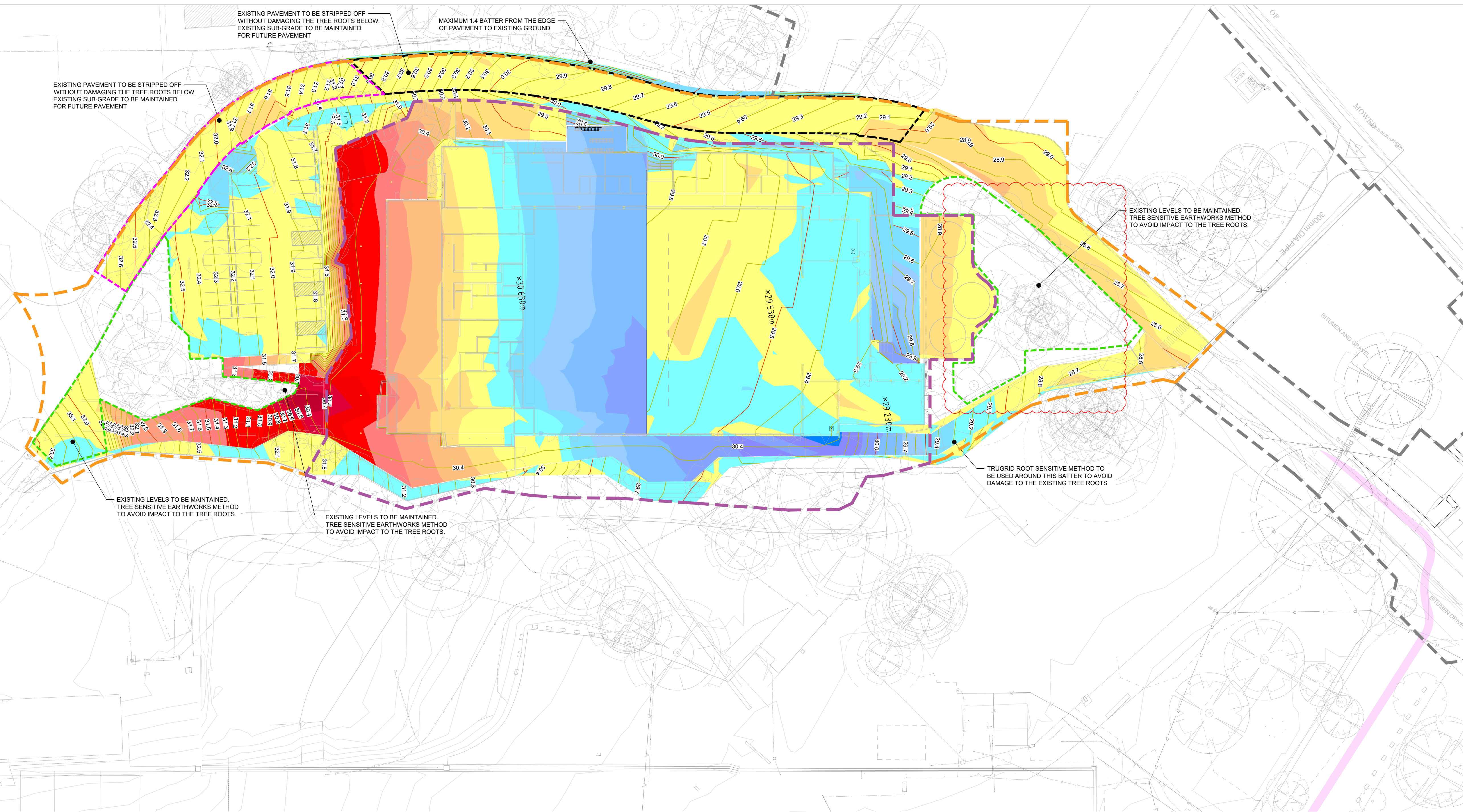
PROJECT

FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE

EXTERNAL WORKS DETAILS 01

SCALES		DATE	
as noted @ A1		APR' 2024	
DRAWN	DESIGN	VERIFIED	APPROVED
C.KE	G.K	C.M	M.G
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ISSUE	PROJECT No.	DRAWING No.	
P4	9150	C.51	



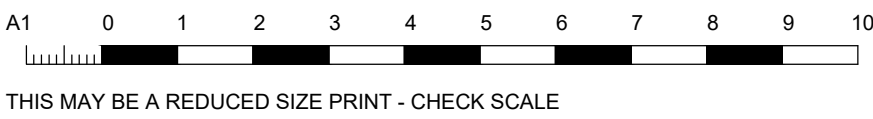
- BULK EARTHWORKS NOTES:**
- BULK EARTHWORKS LEVELS ARE BASE ON THE FOLLOWING PAVEMENT THICKNESS AND ALLOWANCES:
 - 180mm BUILDING PLATFORM
 - 220mm FOOTPATH PAVEMENT
 - 350mm CONCRETE RIGID PAVEMENT(FORECOURT)
 - 380mm CONCRETE RIGID PAVEMENT (PROPOSED ROAD)
 - 400mm UNIT PAVERS PAVEMENT
 - 450mm DECOMPOSED GRANITE PAVEMENT
 - LANDSCAPE LEVELS HAVE BEEN TAKEN FROM THE FINISHED SURFACE LEVELS AND ACCOUNT FOR NO CHANGE FROM EXISTING.
 - THE EXISTING GROUND SURFACE IS NOT LOWERED TO ACCOUNT FOR ANY TOPSOIL/ VEGETATION OR EXISTING PAVEMENTS. STRIPPING VOLUME ASSESSMENT TO BE MADE BY CONTRACTOR.
 - BULKING FACTOR OF 1.0 WAS USED FOR BOTH CUT & FILL.
 - NO ALLOWANCE HAS BEEN MADE FOR DETAILED WORKS SUCH AS FOOTINGS, SET DOWN, LIFT PITS, SERVICE TRENCHES & STORMWATER/SUBSOIL TRENCHES, TEMP CONSTRUCTION PLATFORMS, STABILISATION, TEMP BATTERS, BENCHING, RETAINING WALL BACKFILL, REMOVAL OF HAZARDOUS MATERIAL OR TEMPORARY SEDIMENT BASINS, OR SOFT EXISTING UNSUITABLE MATERIAL, UPPER CARPARK OSD, PIPE AND PIT OSDs AND THE LOWER CARPARK PAVEMENT FOR ABOVE GROUND LEVELS TO BE ACHIEVED. DETAILED SUBGRADE EXCAVATION IS REQUIRED IN VICINITY OF OSD 2.
 - THIS PLAN IS PREPARED FOR INFORMATION PURPOSES ONLY AND IS INDICATIVE ONLY. EARTH WORKS CONTRACTOR IS TO VERIFY ALL LEVELS AND QUANTITIES AND PERFORM THEIR OWN BULK EARTHWORK ASSESSMENT. SOME FILL AND CUT HAS BEEN SHOWN BASED ON ASSUMED LANDSCAPE PROFILING AND IS THE RESPONSIBILITY OF OTHERS

TOTAL CUT VOLUME	-2340 m³
TOTAL FILL VOLUME	1278 m³
EXCESS OF CUT OVER FILL	1062 m³
NOTE: VOLUMES ARE FROM EXISTING TO BULK EARTHWORKS LEVEL NO ALLOWANCE FOR THE REMOVAL OF TOPSOIL	
BULK ELEVATION LEVEL	± BE 28.038

- EXISTING PAVEMENT TO BE STRIPPED OFF WITHOUT DAMAGING THE TREE ROOTS BELOW. EXISTING SUB-GRADE TO BE MAINTAINED FOR FUTURE PAVEMENT
- EXISTING PAVEMENT TO BE STRIPPED OFF WITHOUT DAMAGING THE TREE ROOTS BELOW. EXISTING SUB-GRADE TO BE MAINTAINED FOR FUTURE PAVEMENT
- EXISTING LEVELS TO BE MAINTAINED. TREE SENSITIVE EARTHWORKS METHOD TO AVOID IMPACT TO THE TREE ROOTS.
- EXTEND OF 1:4 BATTER WITHIN LANDSCAPING
- EXTENT OF SSDA AREA
- EXTENT OF REF AREA

BULK EXCAVATION PLAN
SCALE 1:400

PRINT IN
COLOUR



Surface Analysis: Elevation Ranges			
Number	Color	Minimum Elevation (m)	Maximum Elevation (m)
1		-1.800	-1.600
2		-1.600	-1.400
3		-1.400	-1.200
4		-1.200	-1.000
5		-1.000	-0.800
6		-0.800	-0.600
7		-0.600	-0.400
8		-0.400	-0.250
9		-0.250	0.000
10		0.000	0.200
11		0.200	0.400
12		0.400	0.600
13		0.600	0.800
14		0.800	1.000
15		1.000	1.200
16		1.200	1.400
17		1.400	1.600
18		1.600	1.800
19		1.800	2.000
20		2.000	2.200
21		2.200	2.400
22		2.400	2.600

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

P8	REVISED SSDA ISSUE	MG	08-08-25
P7	REVISED SSDA ISSUE	MG	06-08-25
P6	REVISED SSDA ISSUE	MG	25-07-25
P5	REVISED SSDA ISSUE	MG	18-07-25
P4	SSDA ISSUE	MG	13-06-25
P3	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
P2	100% SCHEMATIC ISSUE	MG	26-05-25
P1	PRELIMINARY	MG	23-04-25
ISSUE	DESCRIPTION	APPROVED	DATE

CLIENT

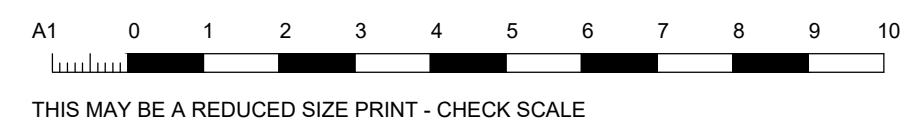
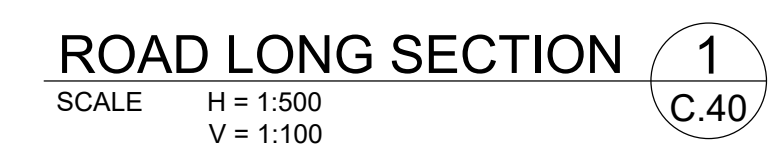
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PROJECT
FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE
BULK EXCAVATION PLAN

SCALES as noted @ A1		DATE APR' 2024	
DRAWN C.KE	DESIGN G.K	VERIFIED C.M	APPROVED
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ISSUE P8	PROJECT No. 9150	DRAWING No. C.60	



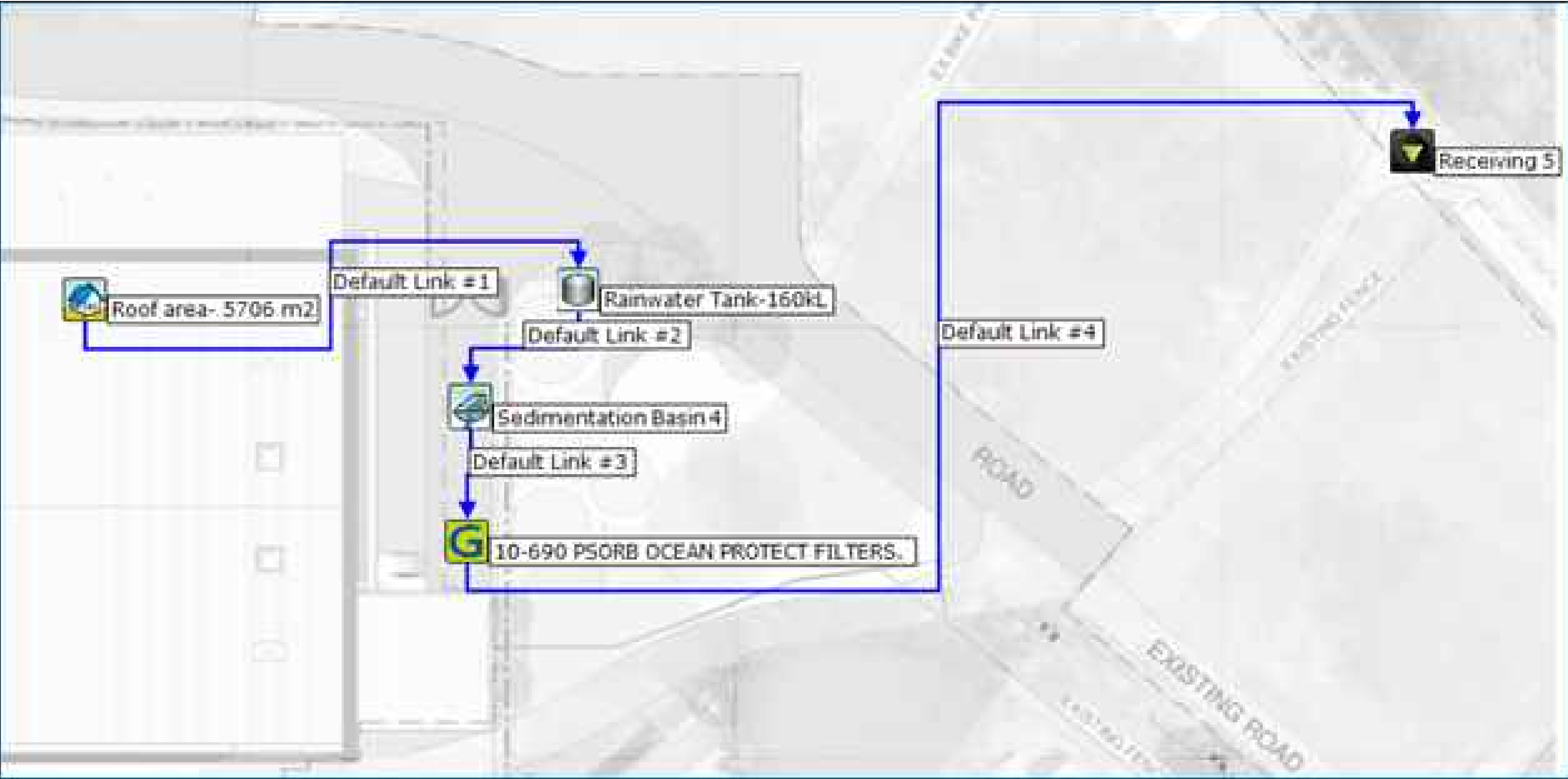
SCALES		as noted @ A1		DATE APR' 2024	
DRAWN C. KE		DESIGN G. K		APPROVED M. G	

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ISSUE	PROJECT No.	DRAWING No.
P6	P15	C.70

MUSIC MODEL



MUSIC RESULT

	Sources	Residual Load	% Reduction
Flow (ML/yr)	4.352	4.346	0.1461
Total Suspended Solids (kg/yr)	113.6	21.22	81.33
Total Phosphorus (kg/yr)	0.6623	0.1931	70.84
Total Nitrogen (kg/yr)	9.537	4.747	50.22
Gross Pollutants (kg/yr)	116	0	100

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

P5	REVISED SSDA ISSUE	MG	16-07-25
P4	SSDA ISSUE	MG	13-06-25
P3	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
P2	100% SCHEMATIC ISSUE	MG	16-05-25
P1	PRELIMINARY		23-04-25
ISSUE	DESCRIPTION	APPROVED	DATE

CLIENT

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PROJECT

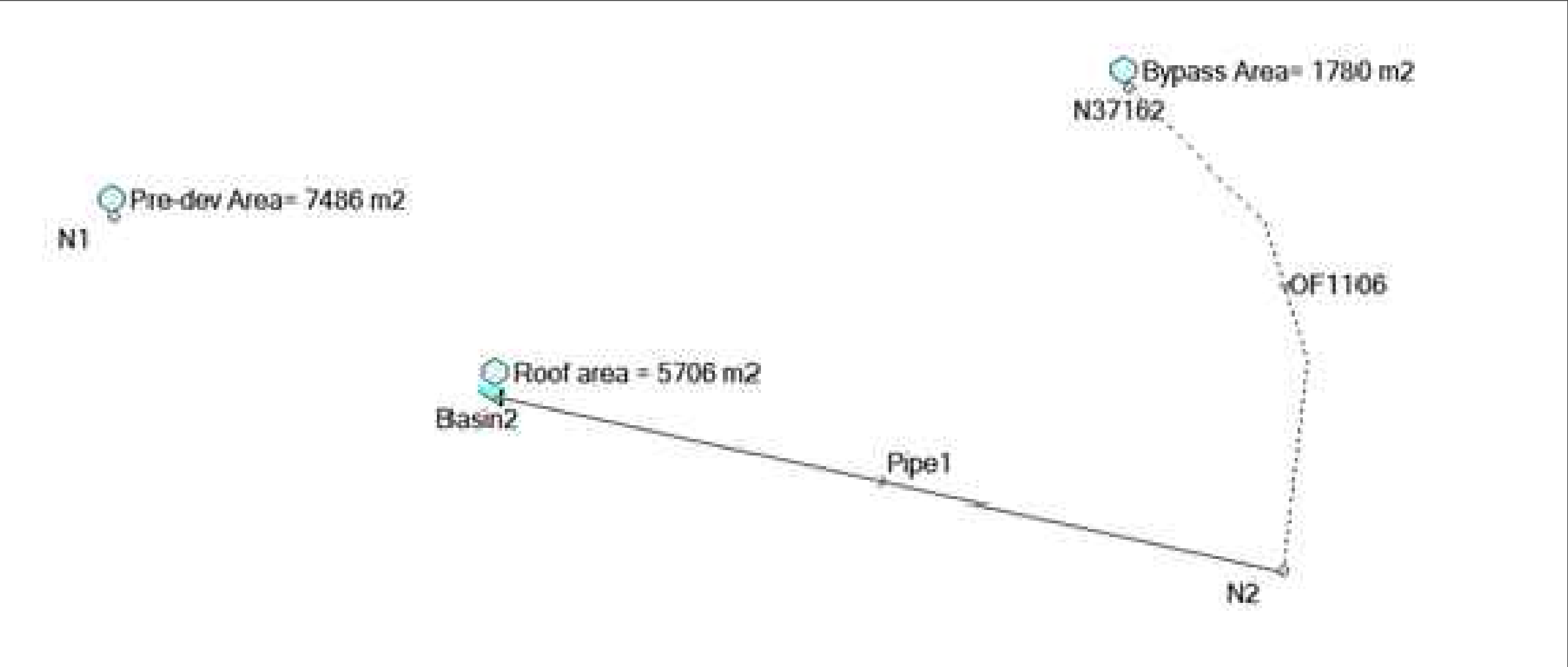
FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE

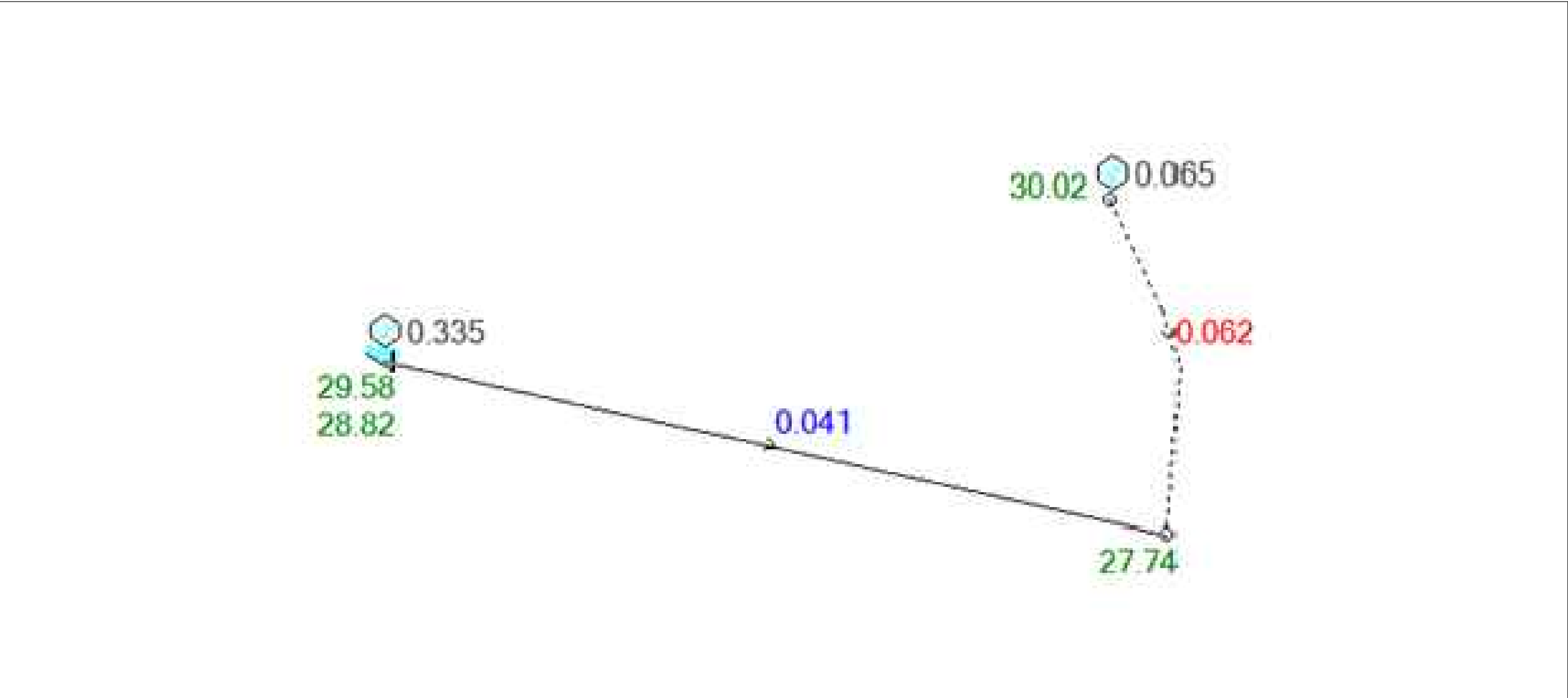
MUSIC RESULT

SCALES as noted @ A1			DATE APR' 2024
DRAWN C.KE	DESIGN G.K	VERIFIED C.M	APPROVED M.G
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ISSUE P5	PROJECT No. 9150	DRAWING No. C.80
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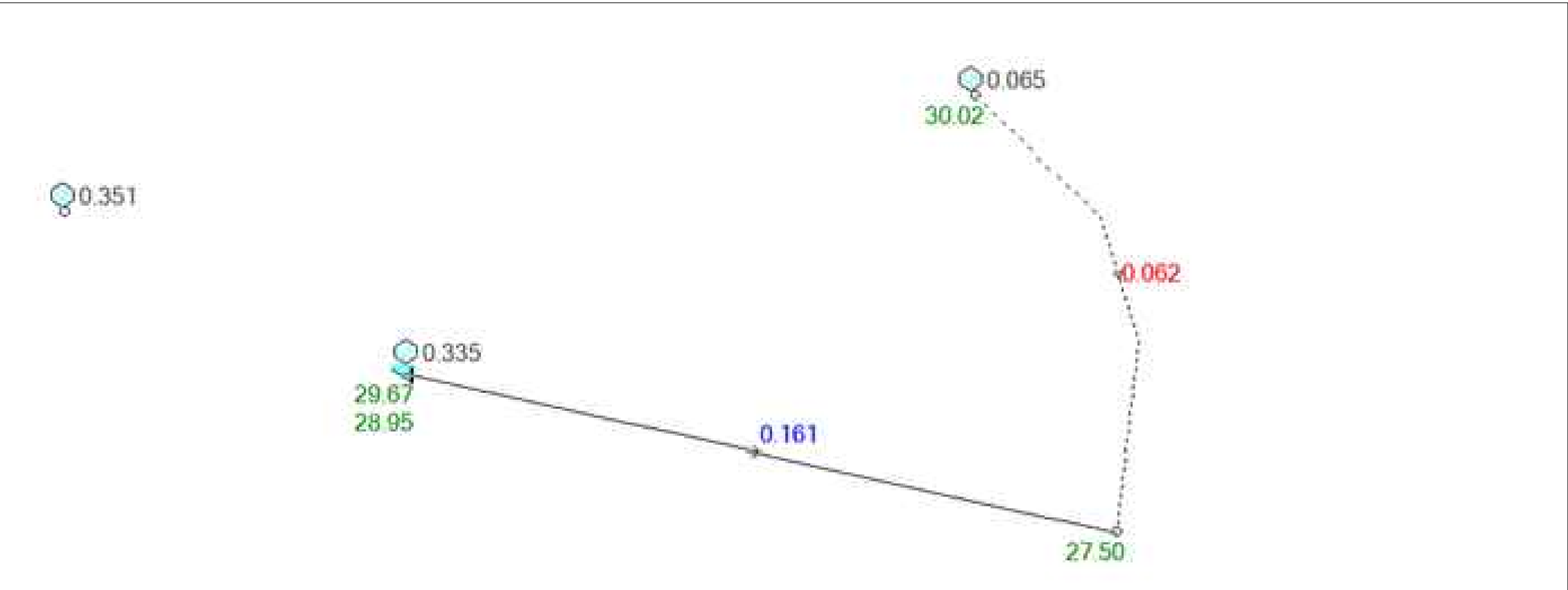


DRAINS MODEL



RESULT FOR 1% AEP FOR A 9 HOUR STORM

NOTE: THIS IS DESIGNED IN ACCORDANCE WITH SECTION 4.2 OF THE FAIRFIELD CITY COUNCIL'S STORMWATER MANAGEMENT POLICY.
MAXIMUM PSD OF 140 L/sec/ ha FOR THE 9 HOUR 100 YEAR ARI, MAXIMUM ALLOWABLE PSD FOR OUR SITE IS CALCULATED TO BE 104.6 L/sec.



RESULT FOR 1% AEP, COMPARISON WITH PRE-DEVELOPMENT CONDITION

NOTE: THIS IS DESIGNED IN ACCORDANCE WITH SECTION 4.2 OF THE FAIRFIELD CITY COUNCIL'S STORMWATER MANAGEMENT POLICY.
MAXIMUM PSD OF PRE-DEVELOPED SITE DISCHARGE FOR THE 5,15,30, 60,90,120, AND 540 MINUTES DURATION STORMS FOR THE 100 YEAR ARIs.

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
P5	REVISED SSDA ISSUE	MG	16-07-25
P4	SSDA ISSUE	MG	13-06-25
P3	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
P2	100% SCHEMATIC ISSUE	MG	16-05-25
P1	PRELIMINARY	-	23-04-25

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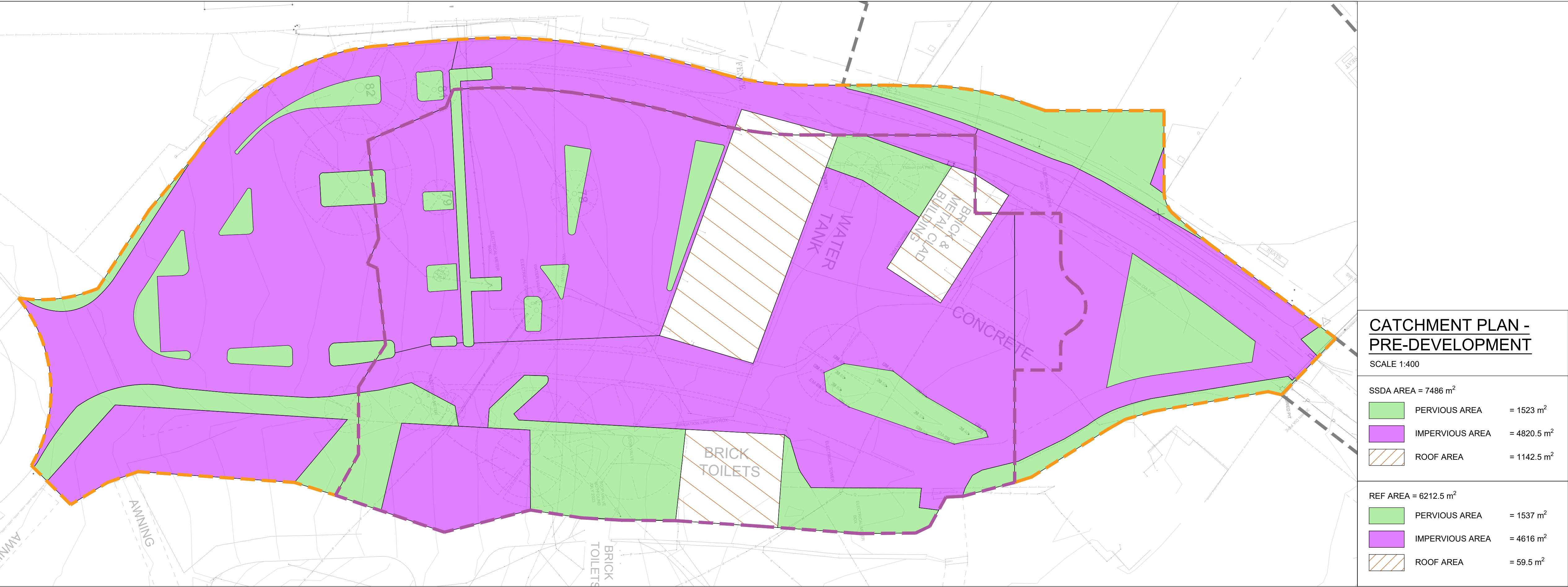
PROJECT

FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

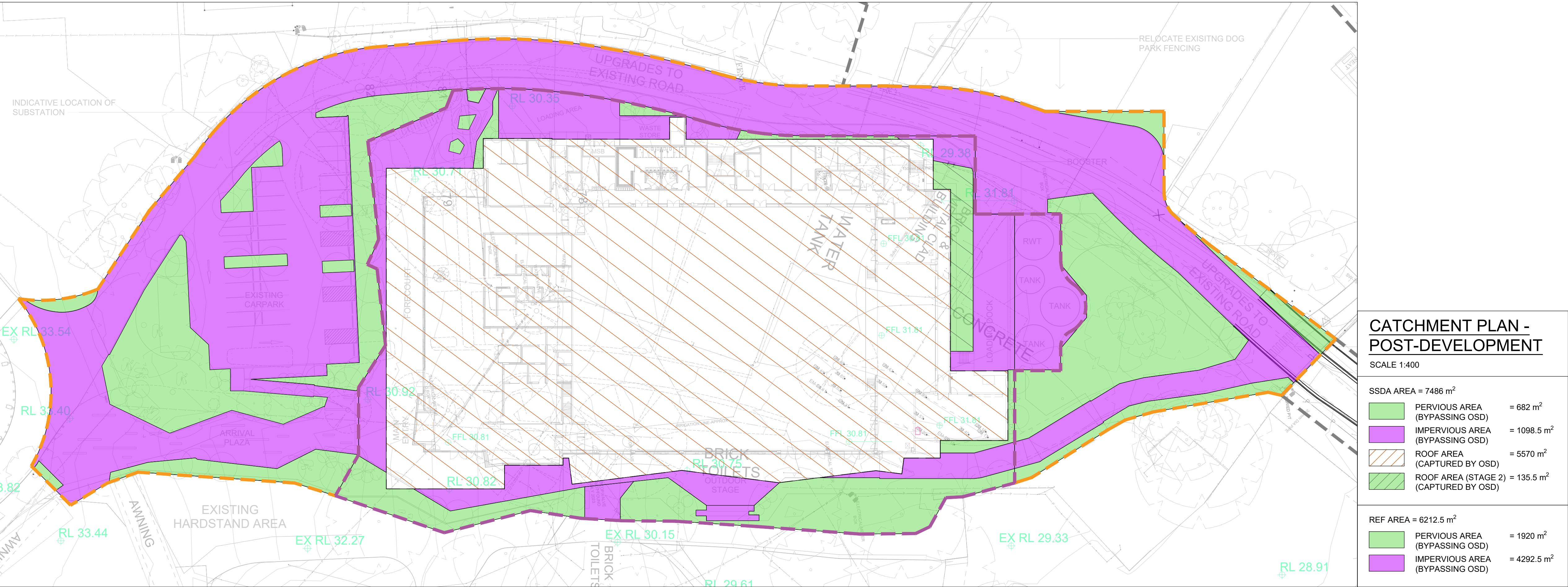
TITLE

DRAINS RESULT

SCALES			DATE
as noted @ A1			APR' 2024
DRAWN	DESIGN	VERIFIED	APPROVED
C.KE	G.K	C.M	M.G
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ISSUE	PROJECT No.	DRAWING No.	
P5	9150	C.81	



CATCHMENT PLAN - PRE-DEVELOPMENT			
SCALE 1:400			
SSDA AREA = 7486 m ²			
	PERVIOUS AREA	=	1523 m ²
	IMPERVIOUS AREA	=	4820.5 m ²
	ROOF AREA	=	1142.5 m ²
REF AREA = 6212.5 m ²			
	PERVIOUS AREA	=	1537 m ²
	IMPERVIOUS AREA	=	4616 m ²
	ROOF AREA	=	59.5 m ²



CATCHMENT PLAN - POST-DEVELOPMENT			
SCALE 1:400			
SSDA AREA = 7486 m ²			
	PERVIOUS AREA (BYPASSING OSD)	=	682 m ²
	IMPERVIOUS AREA (BYPASSING OSD)	=	1098.5 m ²
	ROOF AREA (CAPTURED BY OSD)	=	5570 m ²
	ROOF AREA (STAGE 2) (CAPTURED BY OSD)	=	135.5 m ²
REF AREA = 6212.5 m ²			
	PERVIOUS AREA (BYPASSING OSD)	=	1920 m ²
	IMPERVIOUS AREA (BYPASSING OSD)	=	4292.5 m ²

--- EXTENT OF SSDA AREA
--- EXTENT OF REF AREA

PRELIMINARY ISSUE NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
P3	REVISED SSDA ISSUE	MG	18-07-25
P2	SSDA ISSUE	MG	13-06-25
P1	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25

CLIENT

ARCHITECT

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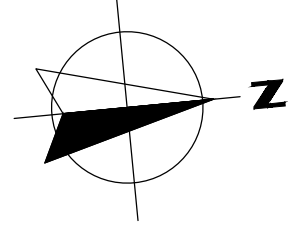
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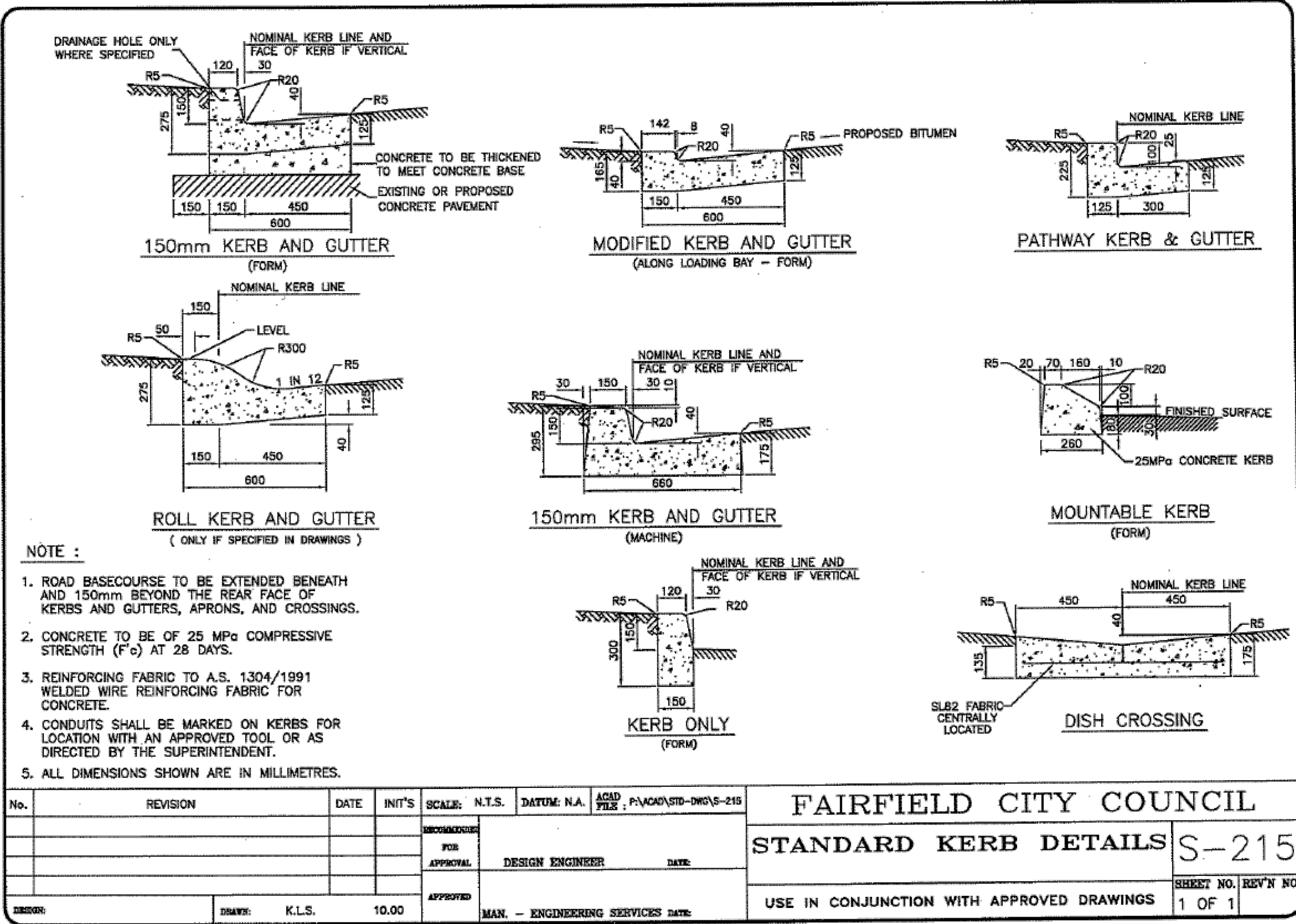
FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE

CATCHMENT PLAN

SCALES		DATE	
as noted @ A1		APR' 2024	
DRAWN	DESIGN	VERIFIED	APPROVED
C.K.E	G.K	C.M	M.G
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ISSUE	PROJECT No.	DRAWING No.	
P3	9150	C.90	





Standard kerb details: S-215

Fairfield City Council
Policy 4-515 Specification for Roadwork and Drainage ©

NOTE: USE AS REQUIRED

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

P3	REVISED SSDA ISSUE	MG	18-07-25
P2	SSDA ISSUE	MG	13-06-25
P1	RE-ISSUE 100% SCHEMATIC ISSUE	MG	05-06-25
ISSUE	DESCRIPTION	APPROVED	DATE

CLIENT

ARCHITECT

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PROJECT
FAIRFIELD SHOWGROUND
SMITHFIELD ROAD, FAIRFIELD NSW

TITLE
COUNCIL STANDARD DETAILS

SCALES		DATE	
as noted @ A1		APR' 2024	
DRAWN	DESIGN	VERIFIED	APPROVED
C.KE	G.K	C.M	M.G

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ISSUE	PROJECT No.	DRAWING No.
P3	9150	C.100