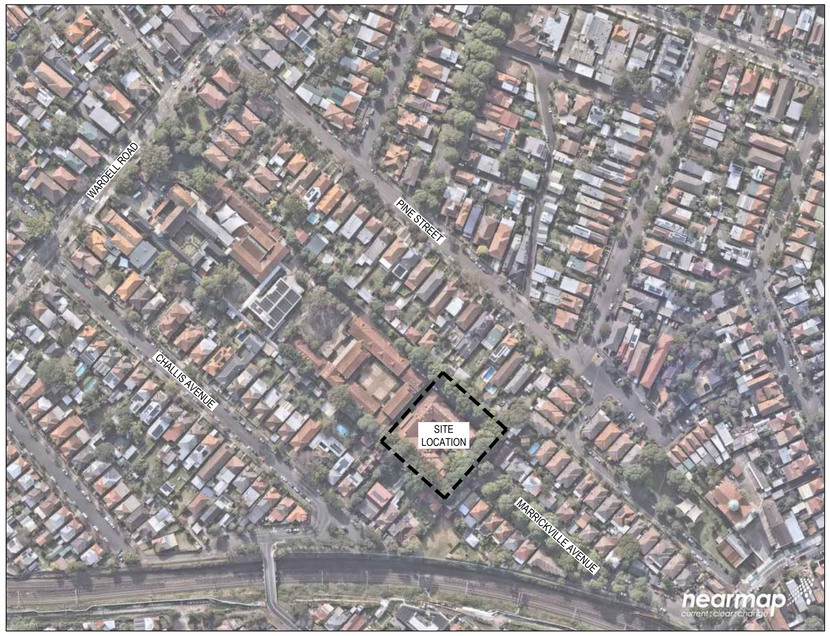
MARONITE VILLAGE 1 REDEVELOPMENT

ST MAROUN'S COLLEGE

CIVIL DESIGN



LOCALITY PLAN

DRAWING LIST

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DESIGN	DRAWN	CHECK	DATE
4	FOR APPROVAL	TMC	RP	TMC	20.11.2024
3	FOR COORDINATION	TMC	LM	TMC	18.10.2024
2	FOR COORDINATION	TMC	LM	TMC	11.10.2024
1	FOR COORDINATION	TMC	LM	TMC	08.10.2024

ARCHITECT
JACKSON TEECE

ALL SETOUT TO ARCHITECT'S DRAWINGS.
DIMENSIONS TO BE VERIFIED WITH THE ARCHITECT AND ON SITE BEFORE PREPARING SHOP DRAWINGS OR COMMENCING WORK.

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PROJECT
MARONITE VILLAGE 1 REDEVELOPMENT
28 MARRICKVILLE AVE, MARRICKVILLE

DRAWING TITLE
COVER SHEET AND DRAWING LIST

SCALE (A1)

JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
24209	AHD	C000	4

GENERAL

1. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARDS AND RELEVANT COUNCIL SPECIFICATIONS.
2. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND LANDSCAPE.
3. DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS.
4. THE CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE TO THE PRINCIPAL CERTIFYING AUTHORITY, CERTIFYING ENGINEERS, AND RELEVANT AUTHORITIES AND ENSURE ALL WORKS ARE INSPECTED TO ENABLE COMPLIANCE CERTIFICATES TO BE ISSUED.
5. RESTORE ALL PAVED, COVERED, GRASSED AND LANDSCAPED AREAS TO THEIR ORIGINAL CONDITION ON COMPLETION OF WORKS.
6. ALL SURVEY SETOUT TO BE BY A REGISTERED SURVEYOR.
7. VERIFY ALL DIMENSIONS AND EXISTING LEVELS AND CONDITIONS ON SITE PRIOR TO COMMENCING WORK.
8. THE CONTRACTOR SHALL INSTIGATE ALL SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH STATUTORY REQUIREMENTS AND THE 'BLUE BOOK'. THESE MEASURES ARE TO BE INSPECTED AND MAINTAINED ON A DAILY BASIS.
9. ALL PROPRIETARY PRODUCTS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
10. WHERE AUSTRALIAN STANDARDS ARE REFERENCED, IT REFERS TO THE CURRENT VERSION U.N.O.

SERVICES

1. THE LOCATION OF EXISTING SERVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND MAY BE INCOMPLETE. THE LOCATIONS HAVE BEEN OBTAINED FROM DATA SUPPLIED BY THE RELEVANT AUTHORITIES.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN CLEARANCES FROM THE RELEVANT SERVICE AUTHORITIES PRIOR TO WORKS COMMENCING.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING SERVICES PRIOR TO WORKS COMMENCING.
4. PROTECT AND MAINTAIN ALL EXISTING SERVICES TO BE RETAINED IN THE VICINITY OF THE PROPOSED WORKS.
6. NO MECHANICAL EXCAVATIONS TO BE UNDERTAKEN OVER COMMUNICATION, GAS OR ELECTRICAL SERVICES. HAND EXCAVATION ONLY IN THESE AREAS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE CAUSED TO EXISTING SERVICES AS A RESULT OF THE CONTRACTORS WORK.

STORMWATER DRAINAGE

1. ALL STORMWATER WORKS ARE TO BE UNDERTAKEN GENERALLY IN ACCORDANCE WITH AS3500 STORMWATER DRAINAGE.
2. PIPES 375 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS 4 APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
3. PIPES 300 DIA AND LESS SHALL BE uPVC (CLASS SN8) WITH SOLVENT WELDED JOINTS U.N.O.
3. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
4. PIPES UNDER ROADS TO BE INSTALLED TO TYPE HS2 SUPPORT U.N.O. PIPES NOT SUBJECT TO VEHICULAR TRAFFIC TO BE INSTALLED TO TYPE H2 SUPPORT U.N.O.
5. REFER TO AS/NZS 3725:2007 TABLE B1 FOR REQUIRED FILL DEPTHS ABOVE PIPE BARREL PRIOR TO USE OF COMPACTION MACHINERY OR TRAVERSING OF PIPES BY GENERAL SITE EQUIPMENT.
6. THE EXCAVATED TRENCH WIDTH FOR PIPE LAYING MUST BE AT LEAST 100mm WIDER THAN THE OUTER DIAMETER OF THE PIPE. PIPES ARE TO BE LAID CENTRALLY WITHIN THE EXCAVATED TRENCH.
6. TRENCH WIDTHS NOT TO EXCEED 1.5 x DIAMETER OF PIPE. WHERE WORKING METHODS REQUIRE GREATER TRENCH WIDTHS OR HIGHER CLASS PIPE, THE CONTRACTOR SHALL REFER TO AS 3725 (2007) TO DETERMINE THE APPROPRIATE PIPE CLASS. PROPOSED PIPE CLASS SHALL BE REVIEWED BY ROC PRIOR TO INSTALLATION.
7. IN WET OR UNSTABLE GROUND CONDITIONS WHERE THE TRENCH BOTTOM REQUIRES FURTHER STABILIZING, ADDITIONAL BEDDING OF 20mm AND/OR 30mm NOMINAL SIZE AGGREGATE WITH FILTER FABRIC SHALL BE PLACED BELOW THE STANDARD BEDDING TO A DEPTH DETERMINED BY THE SUPERINTENDENT.
8. CHASES SHALL BE FORMED WHERE NECESSARY TO PREVENT SOCKETS, FLANGES OR THE LIKE FROM BEARING ON THE TRENCH BOTTOM OR THE UNDERLAY.
9. THE CONTRACTOR SHALL ENSURE THAT ANY EXISTING STRUCTURES LOCATED ADJACENT TO EXCAVATED TRENCHES ARE SUPPORTED OR PROTECTED TO PREVENT DAMAGE TO OR MOVEMENT OF THESE STRUCTURES
10. THE CONTRACTOR MUST LEAVE ALL STORMWATER DRAINAGE WORKS UNCOVERED UNTIL ANY TESTING DEEMED NECESSARY BY THE SUPERINTENDENT HAS BEEN PERFORMED.
11. LIFTING HOLES IN PIPES AND CULVERTS SHALL BE PLUGGED WITH MORTAR, PRECAST TAPERED PLUGS, OR TAPE SURROUNDS OR OTHER APPROVED MEANS PRIOR TO BACKFILL MATERIAL BEING PLACED.
12. CUTTING OPERATIONS FOR CONCRETE PIPE AND BOX CULVERTS SHALL PROVIDE NEAT END SURFACES. THE CUT SURFACES SHALL BE GIVEN TWO COATS OF A SUPERINTENDENT APPROVED EPOXY PAINT.
13. CONSTRUCTION OF STORMWATER LINES SHALL HAVE A MINIMUM GRADE TOLERANCE OF ± 0.20% AT ANY POINT IN THE DIRECTION OF FLOW AS PER COUNCIL REQUIREMENTS. FINISHED INVERT LEVELS SHALL BE CONSTRUCTED TO ± 15mm SUBJECT TO NO LEVEL BEING HIGHER THAN A CORRESPONDING LEVEL UPSTREAM.
14. BACKFILL MATERIAL SHALL BE INSPECTED AND APPROVED BY THE SUPERINTENDENT PRIOR TO PLACING AND COMPACTION.
15. ALL BACKFILL FOR STORMWATER DRAINAGE WORKS IS TO BE COMPACTED IN LAYERS NOT EXCEEDING 300mm LOOSE THICKNESS AND COMPACTED WITHOUT DAMAGING OR DISPLACING THE PIPEWORK.
16. ALL CONNECTIONS TO DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL CEMENT RENDERED WITH AN EPOXY GROUT TO ENSURE A SMOOTH FINISH.
17. STEP IRONS AT SPACINGS OF 300mm ARE TO BE PROVIDED IN DRAINAGE PITS MORE THAN 1.2m DEEP.
18. PROVIDE 3.0m LENGTH OF 100 DIA. SUBSOIL DRAINAGE PIPE WRAPPED IN FABRIC SOCK AT UPSTREAM END OF EACH PIT.
19. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
20. UNLESS SPECIFIED OTHERWISE ALL DRAINAGE PITS TO BE CAST INSITU.
21. UNLESS SPECIFIED ALL DRAINAGE GRATES TO BE CLASS 'D' GALVANISED MILD STEEL TO AS3996 FOR TRAFFICABLE AREAS AND CLASS 'B' FOR NON-TRAFFICABLE AREAS. HEELSAFE GRATES TO BE USED ON ALL FOOTPATHS OR AREAS OF FOOT TRAFFIC.
22. uPVC PIPE LAYING SHALL BEGIN AT THE DOWNSTREAM END OF THE LINE WITH THE SOCKET END OF THE PIPE FACING UPSTREAM. WHEN THE PIPES ARE LAID, THE BARREL OF EACH PIPE SHALL BE IN CONTACT WITH THE BEDDING MATERIAL THROUGHOUT ITS FULL LENGTH.

SEDIMENT CONTROL NOTES

1. THE SEDIMENT AND EROSION CONTROL PLAN PRESENTS CONCEPTS ONLY. THE CONTRACTOR SHALL AT ALL TIMES BE RESPONSIBLE FOR THE ESTABLISHMENT & MANAGEMENT OF A DETAILED SCHEME MEETING COUNCILS DESIGN, OTHER REGULATORY AUTHORITY REQUIREMENTS AND MAKE GOOD PAYMENT OF ALL FEES.
2. THE CONTRACTOR SHALL INSTIGATE ALL SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH STATUTORY REQUIREMENTS AND THE 'BLUE BOOK'. THESE MEASURES ARE TO BE INSPECTED AND MAINTAINED ON A DAILY BASIS.
3. THE CONTRACTOR SHALL INFORM ALL SUB CONTRACTORS OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS.
4. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE SHALL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE;
   - 4.1. CONSTRUCT TEMPORARY STABILISED SITE ACCESS INCLUSIVE OF SHAKE DOWN / WASH PAD.
   - 4.2. INSTALL ALL TEMPORARY SEDIMENT FENCES AND BARRIER FENCES. WHERE FENCES ADJACENT EACH OTHER, THE SEDIMENT FENCE CAN BE INCORPORATED INTO THE BARRIER FENCE.
   - 4.3. INSTALL SEDIMENT CONTROL MEASURES AS OUTLINED ON THE APPROVED PLANS.
5. UNDERTAKE SITE DEVELOPMENT WORKS SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF MINIMUM WORKABLE SIZE.
6. AT ALL TIMES AND IN PARTICULAR DURING WINDY AND DRY WEATHER, LARGE UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL ENSURING CONFORMITY TO REGULATORY AUTHORITY REQUIREMENTS.
7. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) SHALL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
8. WATER SHALL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN STABILISED AND/OR ANY LIKELY SEDIMENT BEEN FILTERED OUT.
9. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES SHALL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE STABILISED / REHABILITATED.
10. ALLOW FOR GRASS STABILISATION OF EXPOSED AREAS, OPEN CHANNELS AND ROCK BATTERS DURING ALL PHASES OF CONSTRUCTION.
11. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED TO ENSURE THAT THEY OPERATE EFFECTIVELY. REPAIRS AND/OR MAINTENANCE SHALL BE UNDERTAKEN REGULARLY AND AS REQUIRED, PARTICULARLY FOLLOWING RAIN EVENTS.
12. RECEPTORS FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER SHALL BE DISPOSED OF IN ACCORDANCE WITH REGULATORY AUTHORITY REQUIREMENTS. CONTRACTOR TO PAY ALL FEES AND PROVIDE EVIDENCE OF SAFE DISPOSAL.
13. IF A TEMPORARY SEDIMENT BASIN IS REQUIRED, ENSURE SAFE BATTER SLOPES IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. MAINTAIN ADEQUATE STORAGE VOLUME IN ACCORDANCE WITH PLANS. TEMPORARY PUMP 'CLEAN FLOCCULATED' WATER TO COUNCILS STORMWATER SYSTEM . ENSURE WHOLE SITE RUN-OFF IS DIRECTED TO TEMPORARY SEDIMENT BASIN.
14. DISTURBED AREAS ARE TO BE TOPSOILED AND REVEGETATED WITHIN 10 WORKING DAYS OF COMPLETION OF WORK.

NOT FOR CONSTRUCTION

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3	FOR APPROVAL	TMC	RP	TMC	20.11.2024
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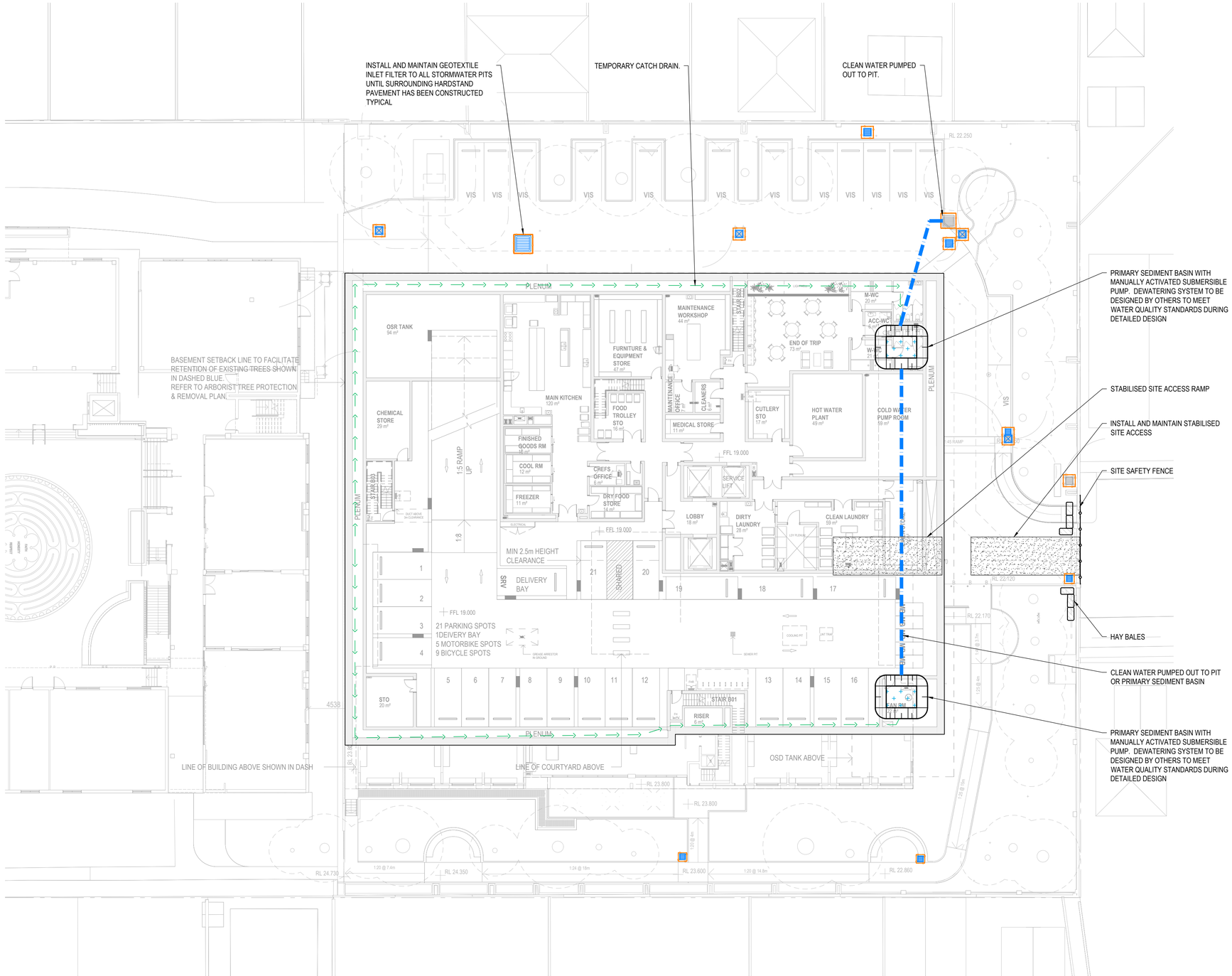
PROJECT
MARONITE VILLAGE 1 REDEVELOPMENT
28 MARRICKVILLE AVE, MARRICKVILLE

DRAWING TITLE
CIVIL SPECIFICATION

SCALE (A1)

JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
24209	AHD	C101	3



LEGEND

- SITE SAFETY FENCE
- GEOTEXTILE INLET FILTER
- STABILISED SITE ACCESS
- SITE STOCKPILE
- TREE TO BE RETAINED
- TREE TO BE REMOVED
- IMPACTED TREE
- STRUCTURAL ROOT ZONE (SRZ)
- HAYBALES
- SEDIMENT BASIN
- CATCH DRAIN

SEDIMENT AND EROSION CONTROL PLAN

SCALE: 1:200

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28 MARRICKVILLE AVE, MARRICKVILLE

DRAWING TITLE
SEDIMENT AND EROSION CONTROL PLAN

SCALE (A1)
0 2 4 6 8 12 16 20m
1 : 200

JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
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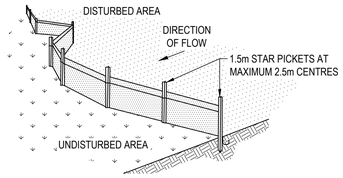
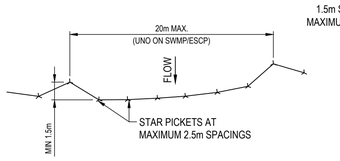
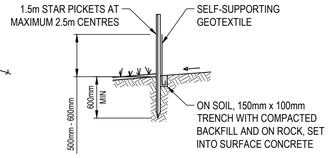




PLAN



SECTION DETAIL

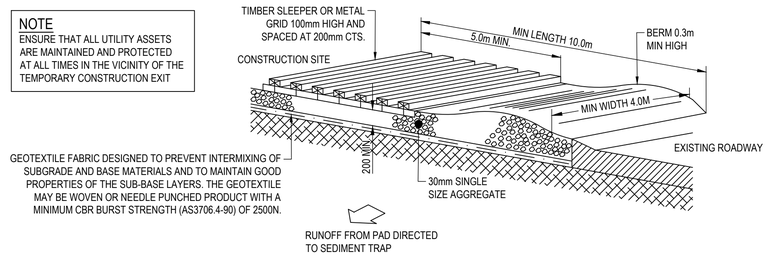
CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
2. DRIVE 1.5m LONG STAR PICKETS INTO GROUND, 2.5 METRES APART (MAX). ENSURE STAR PICKETS ARE FITTED WITH SAFETY CAPS.
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC.
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER.
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.

SEDIMENT CONTROL FENCE

(DIAGRAM NOT TO SCALE)

NOTE
ENSURE THAT ALL UTILITY ASSETS ARE MAINTAINED AND PROTECTED AT ALL TIMES IN THE VICINITY OF THE TEMPORARY CONSTRUCTION EXIT



CONSTRUCTION NOTES

1. STRIP TOPSOIL AND LEVEL SITE.
2. COMPACT SUBGRADE.
3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
4. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING 30mm SINGLE SIZE AGGREGATE.
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP WHERE THE SEDIMENT IS COLLECTED AND REMOVED.

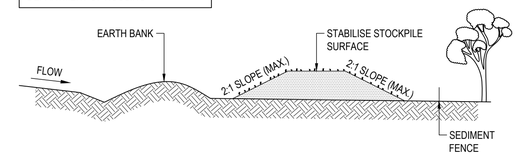
MAINTENANCE NOTES

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH PREVENTS TRACKING OR FLOWING OF SEDIMENT OFF THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL GRAVEL AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED OFF THE CONSTRUCTION SITE MUST BE REMOVED IMMEDIATELY.

TEMPORARY STABILISED CONSTRUCTION EXIT

(DIAGRAM NOT TO SCALE)

SOURCE:
MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION. THIRD EDITION, AUGUST 1998 PRODUCED BY THE DEPARTMENT OF HOUSING

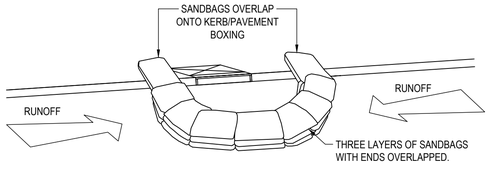


CONSTRUCTION NOTES

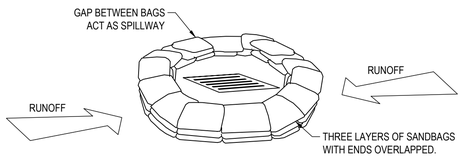
1. LOCATE STOCKPILE AT LEAST 5 METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND.
3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METERS IN HEIGHT.
4. REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP.
5. CONSTRUCT EARTH BANK (STANDARD DRAWING 5-2) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE AND A SEDIMENT FENCE (STANDARD DRAWING 6-7) 1 TO 2 METRES DOWNSLOPE OF STOCKPILE.

STOCKPILES

(DIAGRAM NOT TO SCALE)



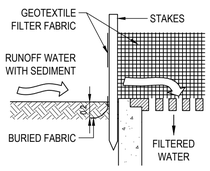
SANDBAG SEDIMENT TRAP - AT KERB SAG PIT

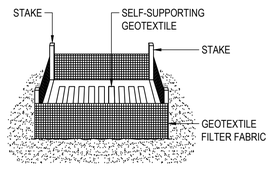


SANDBAG SEDIMENT TRAP - AT OTHER THAN KERB SAG PIT

SANDBAG SEDIMENT TRAP DETAILS

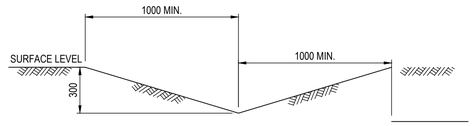
(DIAGRAM NOT TO SCALE)





GEOTEXTILE FILTER FABRIC DROP INLET SEDIMENT TRAP

(DIAGRAM NOT TO SCALE)



TYPICAL SECTION THROUGH CATCH DRAIN

NOTE
REFER TO PROPSED CONTOURS FOR EXACT PROFILE OF CATCH DRAIN REQUIRED IN FINAL STATE

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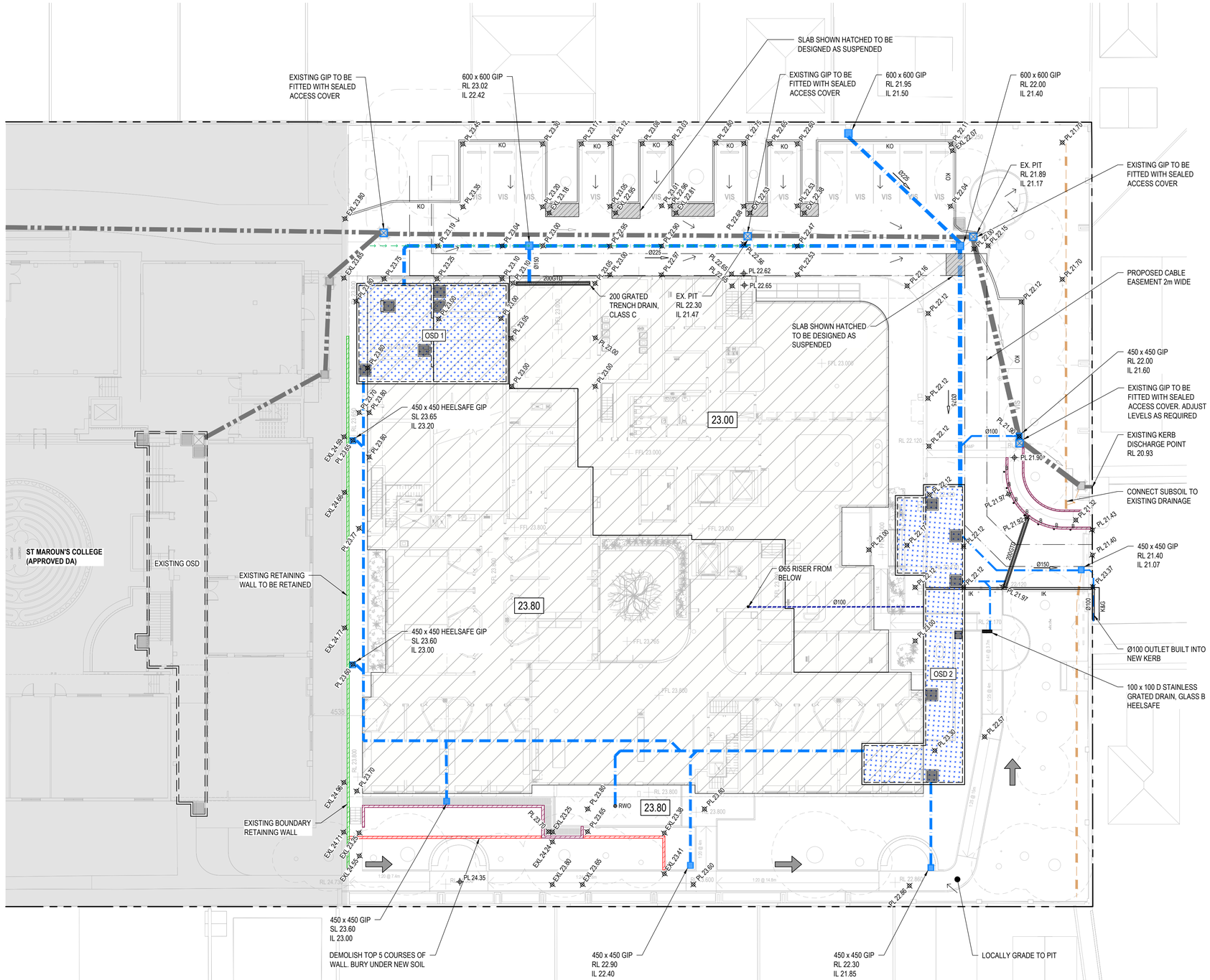
PROJECT
MARONITE VILLAGE 1 REDEVELOPMENT
28 MARRICKVILLE AVE, MARRICKVILLE

DRAWING TITLE
SEDIMENT AND EROSION CONTROL DETAILS

SCALE (A1)

JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
24209	AHD	C250	3



STORMWATER MANAGEMENT PLAN
SCALE: 1:200

LEGEND

- BOUNDARY
- PROPOSED EASEMENT
- PROPOSED STORMWATER DRAINAGE LINE, SIZE AND FLOW DIRECTION (Ø225)
- EXISTING STORMWATER DRAINAGE LINE, SIZE AND FLOW DIRECTION (EX.Ø225)
- EXISTING STORMWATER LINE TO BE DECOMMISSIONED
- SUSPENDED STORMWATER PIPE
- SUB-SOIL DRAINAGE LINE
- GIP - PROPOSED GRATED INLET PIT
- SJP - PROPOSED SEALED JUNCTION PIT
- EXISTING STORMWATER PIT
- EXISTING STORMWATER PIT TO BE DECOMMISSIONED
- GRATED TRENCH DRAIN (200GTD)
- RAINWATER OUTLET (RWO)
- OSD FACILITY
- OVERLAND FLOW PATH
- SPOT ELEVATION (PL 10.00)
- SEWER UTILITY (S)
- TREE TO BE REMOVED
- IMPACTED TREE
- FALL
- RETAINING WALL
- EXISTING RETAINING WALL
- EXISTING RETAINING WALL TO BE DEMOLISHED
- BOLLARD (B)
- INTERGAL KERB (IK)
- KERB AND GUTTER (K&G)
- OSD FACILITY

NOTES

1. PIPES TO BE Ø150 uPVC LAID AT GROUND SLOPE, 1% MINIMUM.
2. INSPECTION OPENINGS TO BE PROVIDED AS PER AS3500.3 SECTION 7.4
3. DOWNPIPES TO BE MIN. Ø150 U.N.O.
4. THE EXTERNAL FINISHED SURFACE MUST BE GRADED TO SLOPE AWAY FROM ALL BUILDINGS A MINIMUM OF 50mm OVER THE FIRST 1m.
5. INTERNAL STRUCTURAL SLAB LEVELS TO BE A MINIMUM 150mm ABOVE EXTERNAL FINISHED SURFACE LEVELS. THIS MAY BE REDUCED TO 100mm FOR PAVED OR CONCRETE AREAS SLOPING AWAY FROM THE BUILDING.
6. ALLOW TO USE NON DESTRUCTIVE EXCAVATION METHODS SUCH AS AIRBLADE TO AVOID DAMAGE TO TREE ROOTS.

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4	FOR APPROVAL	TMC	RP	TMC	20.11.2024
3	FOR COORDINATION	TMC	LM	TMC	18.10.2024
2	FOR COORDINATION	TMC	LM	TMC	11.10.2024
1	FOR COORDINATION	TMC	LM	TMC	08.10.2024

ARCHITECT
JACKSON TEECE

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Email: info@rocengineering.com.au ABN 70 610 369 910

PROJECT
MARONITE VILLAGE 1 REDEVELOPMENT 28 MARRICKVILLE AVE, MARRICKVILLE

DRAWING TITLE
CONCEPT STORMWATER MANAGEMENT PLAN

SCALE (A1)
0 2 4 6 8 12 16 20m
1 : 200

JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
24209	AHD	C411	4

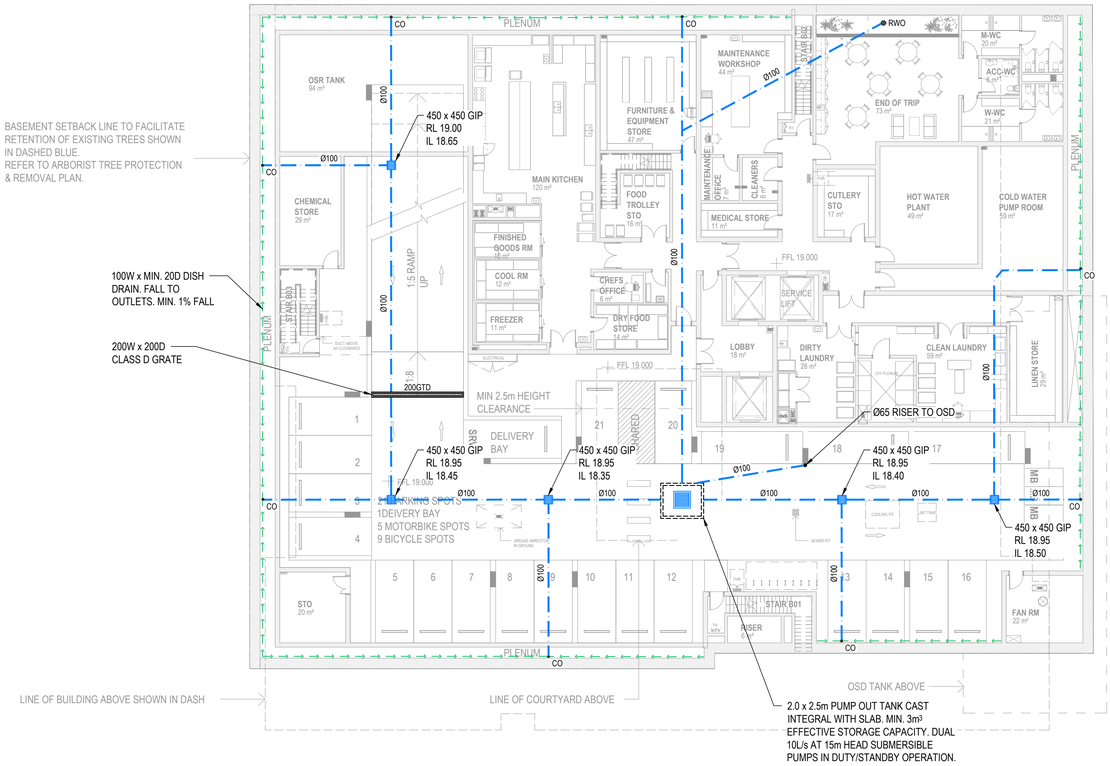
LEGEND

- BOUNDARY
- Ø100 — PROPOSED STORMWATER DRAINAGE LINE
- GIP - PROPOSED GRATED INLET PIT
- BASEMENT PUMP OUT PIT
- 200GTD — GRATED TRENCH DRAIN
- RWO — RAINWATER OUTLET
- CO — RAINWATER OUTLET
- DISH DRAIN

NOTES

1. ALL BASEMENT PIPES AND RAINWATER OUTLETS TO BE TO BE CAST INTEGRAL WITH SLAB.

BEFORE YOU DIG www.byda.com.au



STORMWATER MANAGEMENT PLAN

SCALE: 1:200

NOT FOR CONSTRUCTION

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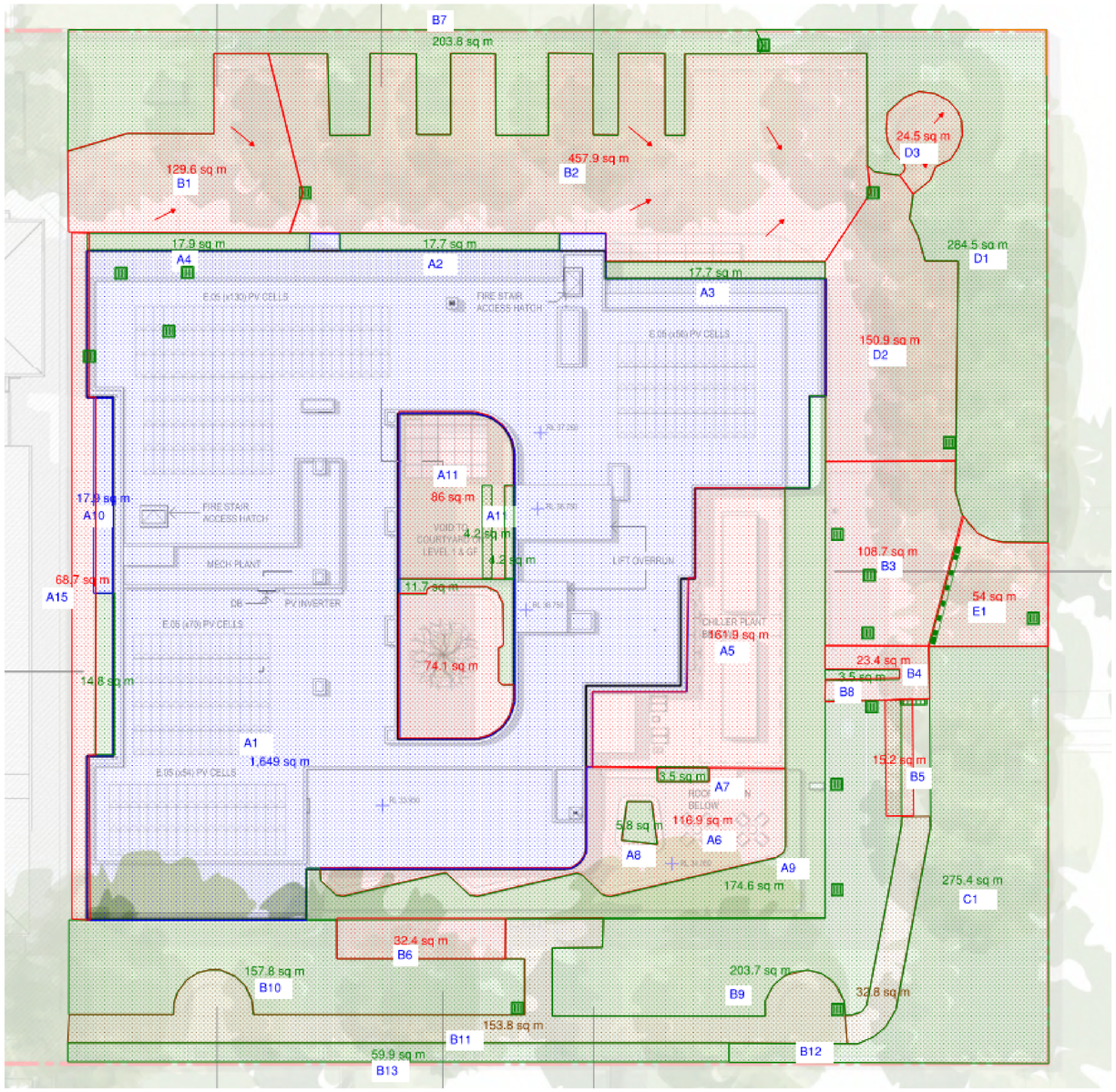
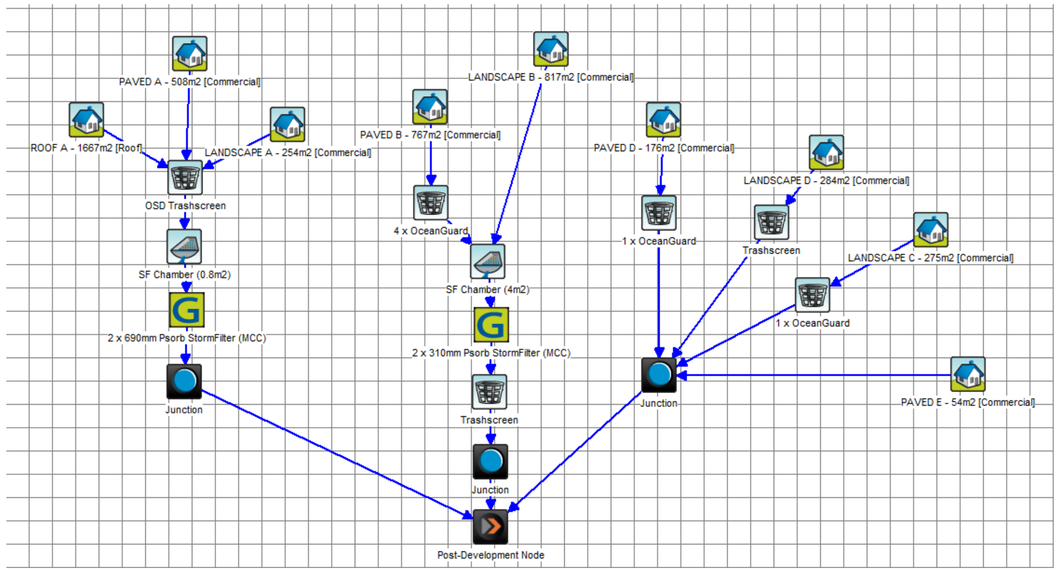
DRAWING TITLE
BASEMENT DRAINAGE PLAN

SCALE (A1)
0 2 4 6 8 12 16 20m
1 : 200

JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
24209	AHD	C412	2



CATCHMENT PLAN



MODEL LAYOUT

Treatment Train Effectiveness - Post-Development Node

	Sources	Residual Load	% Reduction
Flow (ML/yr)	3.52	3.52	0
Total Suspended Solids (kg/yr)	394	38.4	90.3
Total Phosphorus (kg/yr)	0.813	0.232	71.4
Total Nitrogen (kg/yr)	7.7	3.9	49.4
Gross Pollutants (kg/yr)	77.7	1.22	98.4

☐ Include Pre-Development

MUSIC RESULTS

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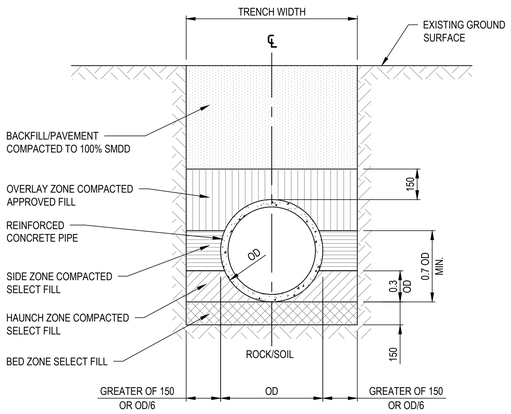
DRAWING TITLE
CATCHMENT PLAN

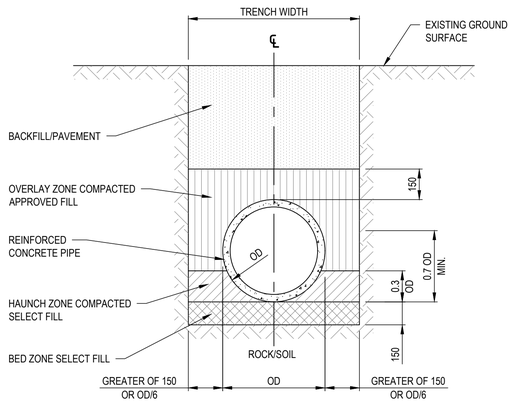
SCALE (A1)

JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
24209	AHD	C415	3



TYPICAL DETAIL TYPE HS2 TRENCH

NOT TO SCALE



TYPICAL DETAIL TYPE H2 TRENCH

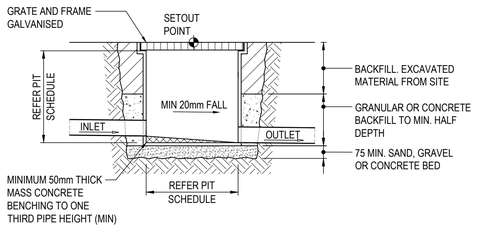
NOT TO SCALE

MINIMUM COMPACTION REQUIREMENTS FOR VARIOUS BEDDING TYPES AND SELECT FILL SOIL CLASS						
BEDDING TYPE	HS2		H2		H1	
BEDDING MATERIAL	I_D	R_D	I_D	R_D	I_D	R_D
SW, SP, GW, GP	60	90	60	90	50	85
SC, GC	70	95	70	95	60	90

NOTES:
1. I_D REFERS TO DENSITY INDEX (%) AND IS FOR COHESIONLESS MATERIALS (REFER TO CLAUSE 8, AS/NZS 3725 FOR MORE INFORMATION)
2. R_D REFERS TO DRY DENSITY RATION (%) AND IS FOR COHESIVE MATERIALS (REFER TO CLAUSE 8, AS/NZS 3725 FOR MORE INFORMATION)

PIPE TRENCH NOTES:

- TRENCH WIDTH MAY NEED TO BE INCREASED SUBJECT TO ACHIEVING COMPACTION. ENSURE MINIMUM 300mm CLEARANCE BETWEEN, WHEN USING MULTIPLE PIPES TO ACHIEVE ADEQUATE COMPACTION.
- MINIMUM PIPE COVER NOT UNDER ROADS TO BE 300mm U.N.O.
- THE CONTRACTOR SHALL ENSURE THAT SHORING OF TRENCHES IS INSTALLED AS REQUIRED BY STATUTORY REQUIREMENTS.

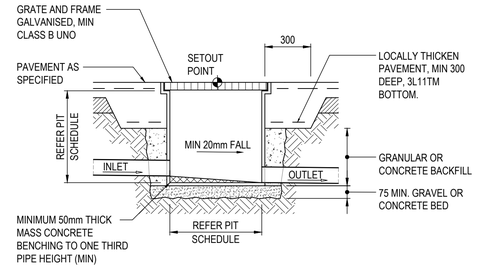


PRECAST PIT DETAIL IN LANDSCAPED AREAS

NOT TO SCALE

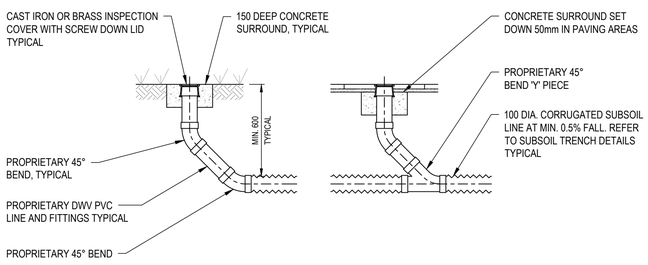
PIT NOTES:
1. PITS GREATER THAN 600 DEEP SHALL HAVE A MINIMUM ACCESS OPENING OF 600 x 600.
2. PITS UP TO 600 x 600 IN LANDSCAPED AND DRIVEWAY AREAS MAY BE PVC OR GRC.
3. DISCHARGE CONTROL PITS TO BE GRC FOR FIXING OF TRASH SCREEN.
4. PITS IN ASPHALTIC PAVEMENTS TO BE CONCRETE PITS.

PIT DEPTH SCHEDULE			
DEPTH (mm)	INTERNAL DIMENSIONS (mm)		
	RECTANGULAR		CIRCULAR
	WIDTH	LENGTH	DIAMETER
≤600	450	450	600
>600 ≤900	600	600	900
>900 ≤1200	600	900	1000
>1200	900	900	1000
PROVIDE STEP IRONS IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND MANUFACTURERS SPECIFICATIONS (PITS ≥1000mm DEPTH).			



PRECAST PIT DETAIL IN PAVED AREAS

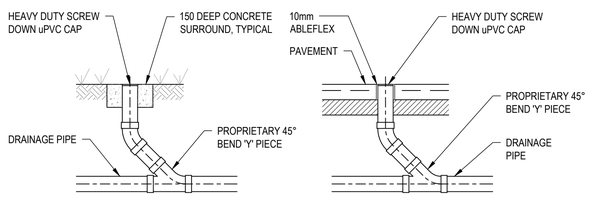
NOT TO SCALE



SUBSOIL DRAINAGE CLEAROUT DETAILS - CO

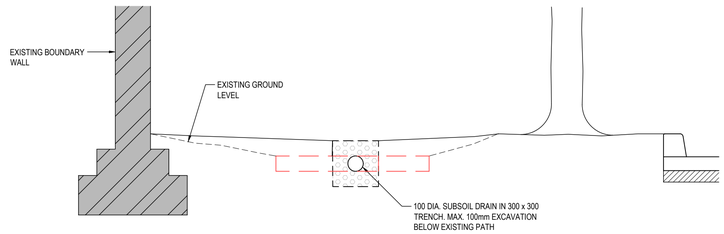
NOT TO SCALE

CLEAROUT TO BE INSTALLED AT UPSTREAM AND INTERMEDIATE POINTS ALONG SUBSOIL DRAINAGE LINES AT MAX 30m CENTRES AND DISCHARGING TO DRAINAGE STRUCTURES AT MAX 60m CENTRES.



INSPECTION OPENING DETAILS - IO

NOT TO SCALE



GARDEN SUBSOIL DETAIL

NOT TO SCALE

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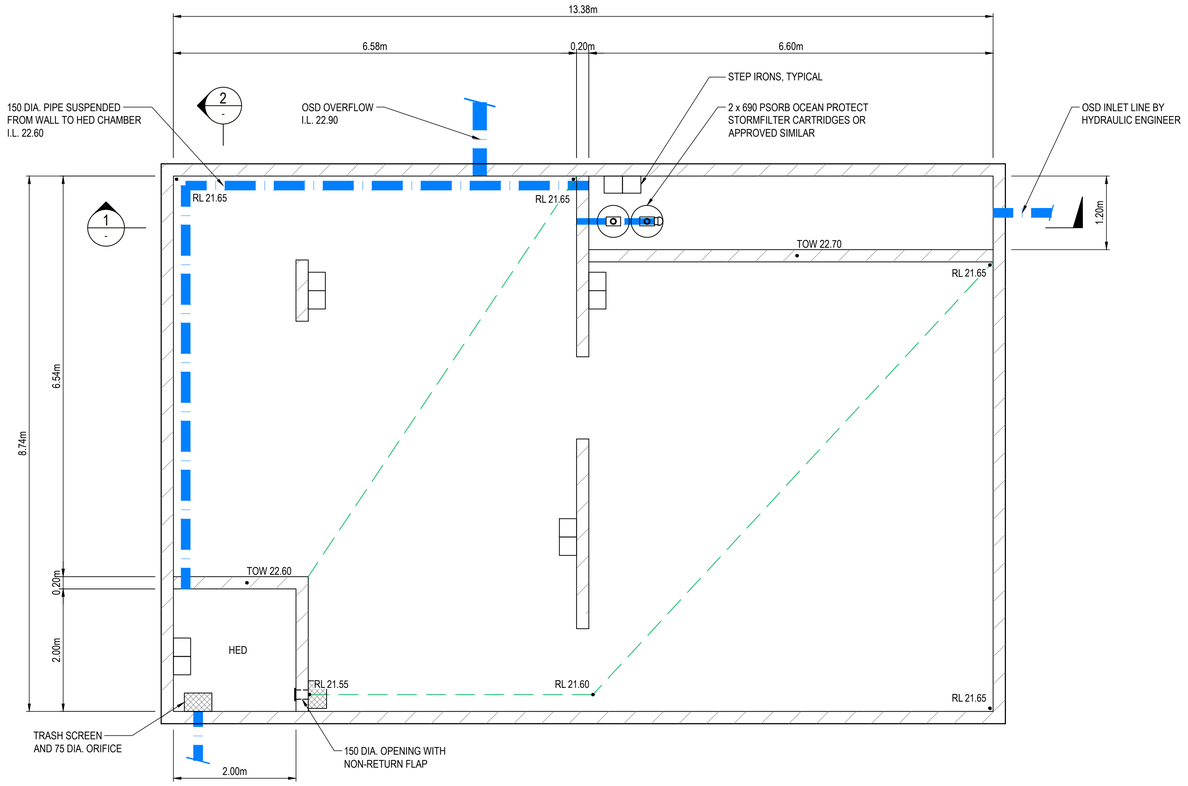
PROJECT
MARONITE VILLAGE 1 REDEVELOPMENT
28 MARRICKVILLE AVE, MARRICKVILLE

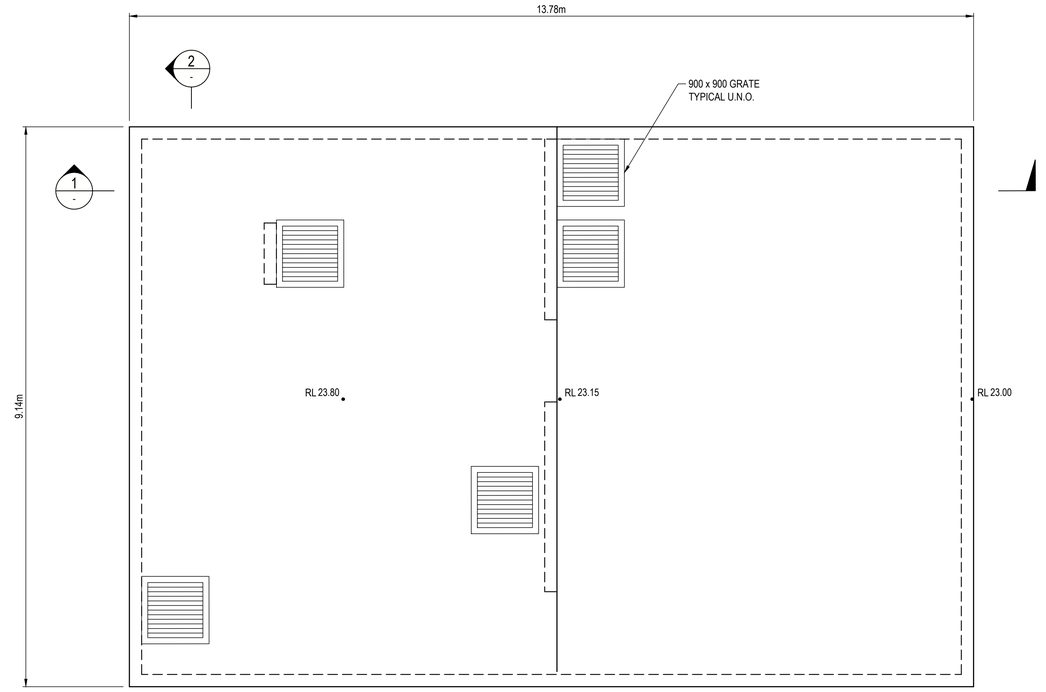
DRAWING TITLE
STORMWATER DETAILS SHEET 1

SCALE (A1)

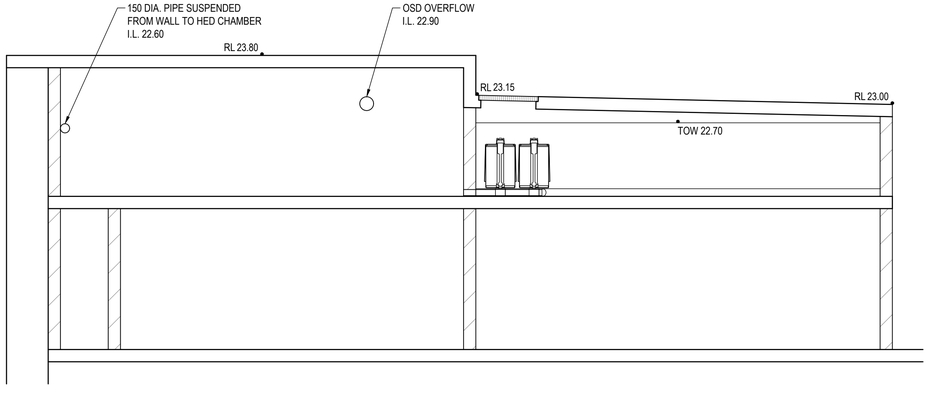
JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
24209	AHD	C421	3



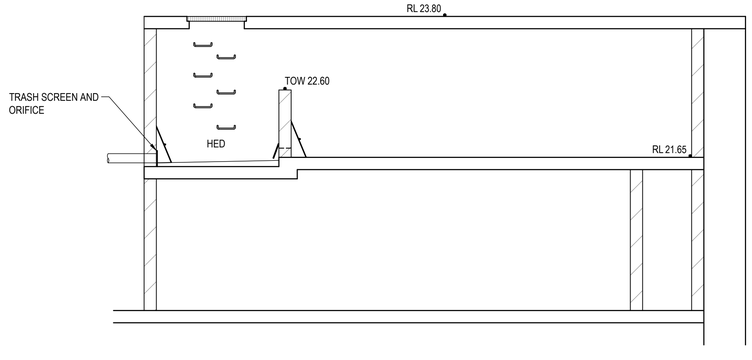
OSD 1 PLAN
SCALE 1:50



OSD 1 ROOF SLAB PLAN
SCALE 1:50



SECTION 1
SCALE 1:50



SECTION 2
SCALE 1:50

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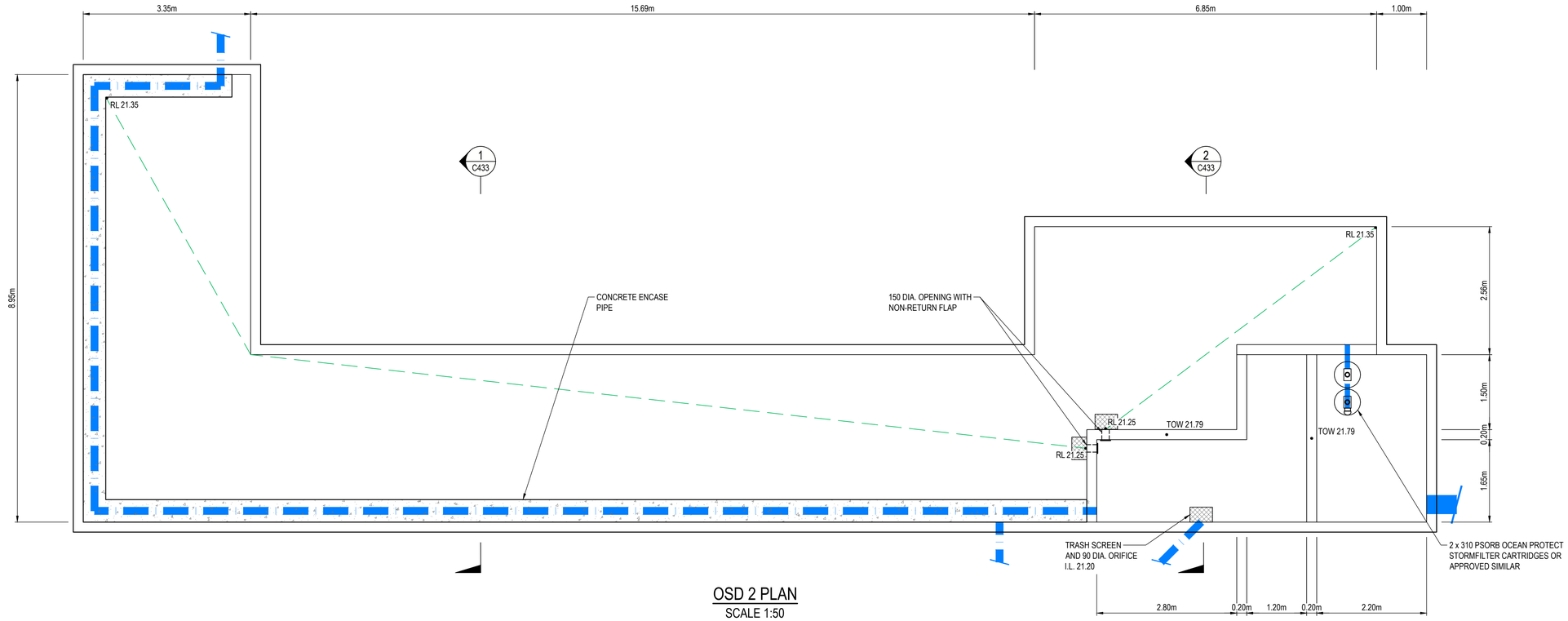
MARONITE VILLAGE 1 REDEVELOPMENT
28 MARRICKVILLE AVE, MARRICKVILLE

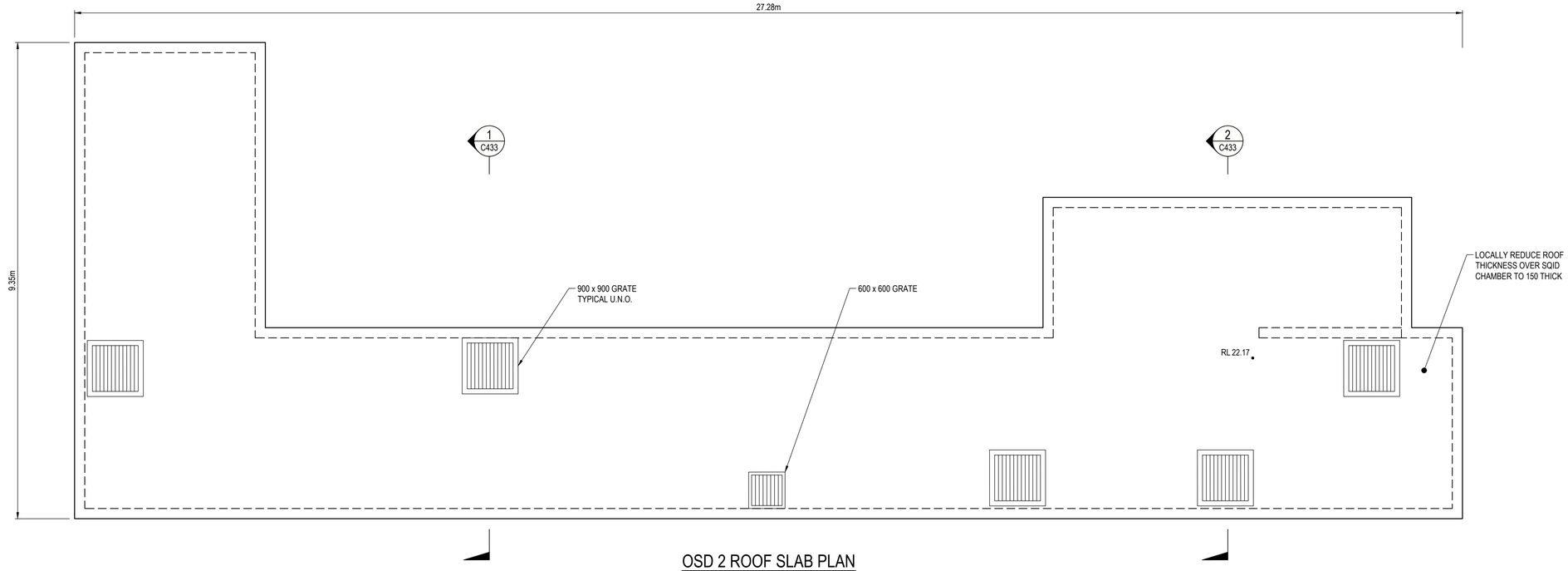
DRAWING TITLE
OSD DETAILS SHEET 1

SCALE (A1)
0 1000 2000 3000 4000 5000mm
1 : 50

JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
24209	AHD	C431	1



OSD 2 PLAN
SCALE 1:50



OSD 2 ROOF SLAB PLAN
SCALE 1:50

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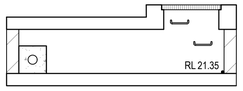
28 MARRICKVILLE AVE, MARRICKVILLE

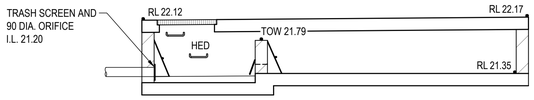
DRAWING TITLE
OSD DETAILS SHEET 2

SCALE (A1)
0 1000 2000 3000 4000 5000mm
1 : 50

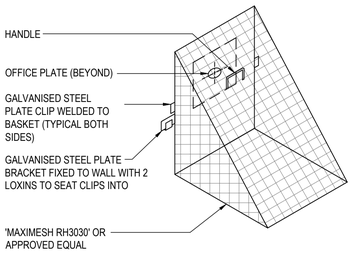
JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
24209	AHD	C432	1



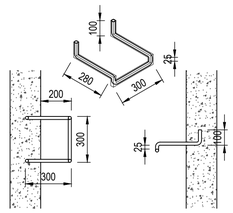
SECTION 1 / C432
SCALE 1:50



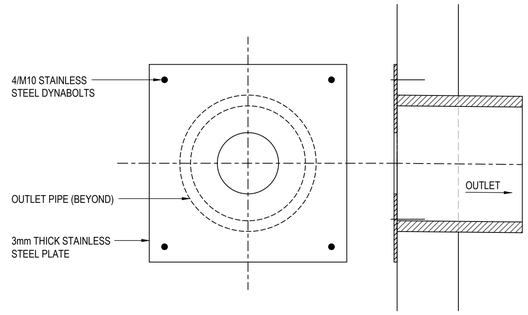
SECTION 2 / C432
SCALE 1:50



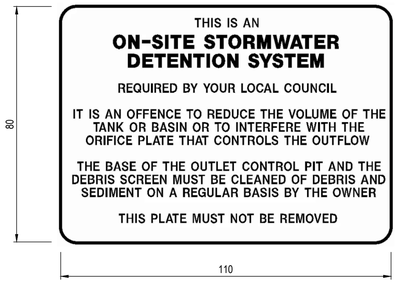
TRASH SCREEN DETAIL
NOT TO SCALE



STEP IRON DETAIL
STEP IRON OF 20mm GALVANISED STEEL MADE TO SHAPE AND DIMENSIONS AS SHOWN, PLACED AT 300 CENTRES AND STAGGERED HORIZONTALLY FOR ALL PITS DEEPER THAN 1.2m. THE USE OF PROPRIETARY STEP IRONS ARE ACCEPTABLE PROVIDED THE PRODUCT IS IN ACCORDANCE WITH AUSTRALIAN STANDARDS



ORIFICE PLATE DETAIL
NOT TO SCALE



OSD SIGN
GALVANISED STEEL OSD IDENTIFICATION PLAQUE FIXED IN VISIBLE LOCATION TO OSD WALL

NOTES:
1. CORNERS SQUARE
2. COLOURS:
   2.1. ETCHED AND FILLED BLACK LEGEND ON A NATURAL SILVER BACKGROUND.
3. CONSTRUCTED FROM ALUMINIUM 0.9mm MILL.
4. THE SIGN SHALL BE PLACED IN A VISIBLE LOCATION NEAR A DISCHARGE CONTROL PIT OR AT THE ACCESS TO ONE.
5. SIGN FIXED USING HILTI CHEMSET OR EPOXY.

CONFINED SPACE DANGER SIGN

NOTES:
1. A CONFINED SPACE DANGER SIGN SHALL BE PLACED NEXT TO EACH AND EVERY ACCESS POINT SO THAT THEY ARE VISIBLE TO PERSONS ENTERING ANY BELOW GROUND TANK OR PIT.
2. COLOURS:
   "DANGER" AND BACKGROUND -WHITE
   ELLIPTICAL AREA -RED
   RECTANGLE CONTAINING ELLIPSE -BLACK
   LETTERING AND BORDER -BLACK
3. MINIMUM DIMENSIONS OF THE SIGN
   LARGE ENTRIES - 300mm x 450mm
   SMALL ENTRIES - 250mm x 180mm
4. SIGN TO BE MADE FROM COLOUR BONDED ALUMINIUM OR POLYPROPYLENE.
5. SIGN FIXED USING HILTI CHEMSETS OR EPOXY.

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28 MARRICKVILLE AVE, MARRICKVILLE

DRAWING TITLE
OSD DETAILS SHEET 3

SCALE (A1)
0 1000 2000 3000 4000 5000mm
1 : 50

JOB NUMBER	DATUM	DRAWING NUMBER	REVISION
24209	AHD	C433	1