YORKTOWN MAROUBRA

195-213 FITZGERALD AVENUE & 40-64 YORKTOWN PARADE MAROUBRA

CIVIL ENGINEERING DRAWINGS

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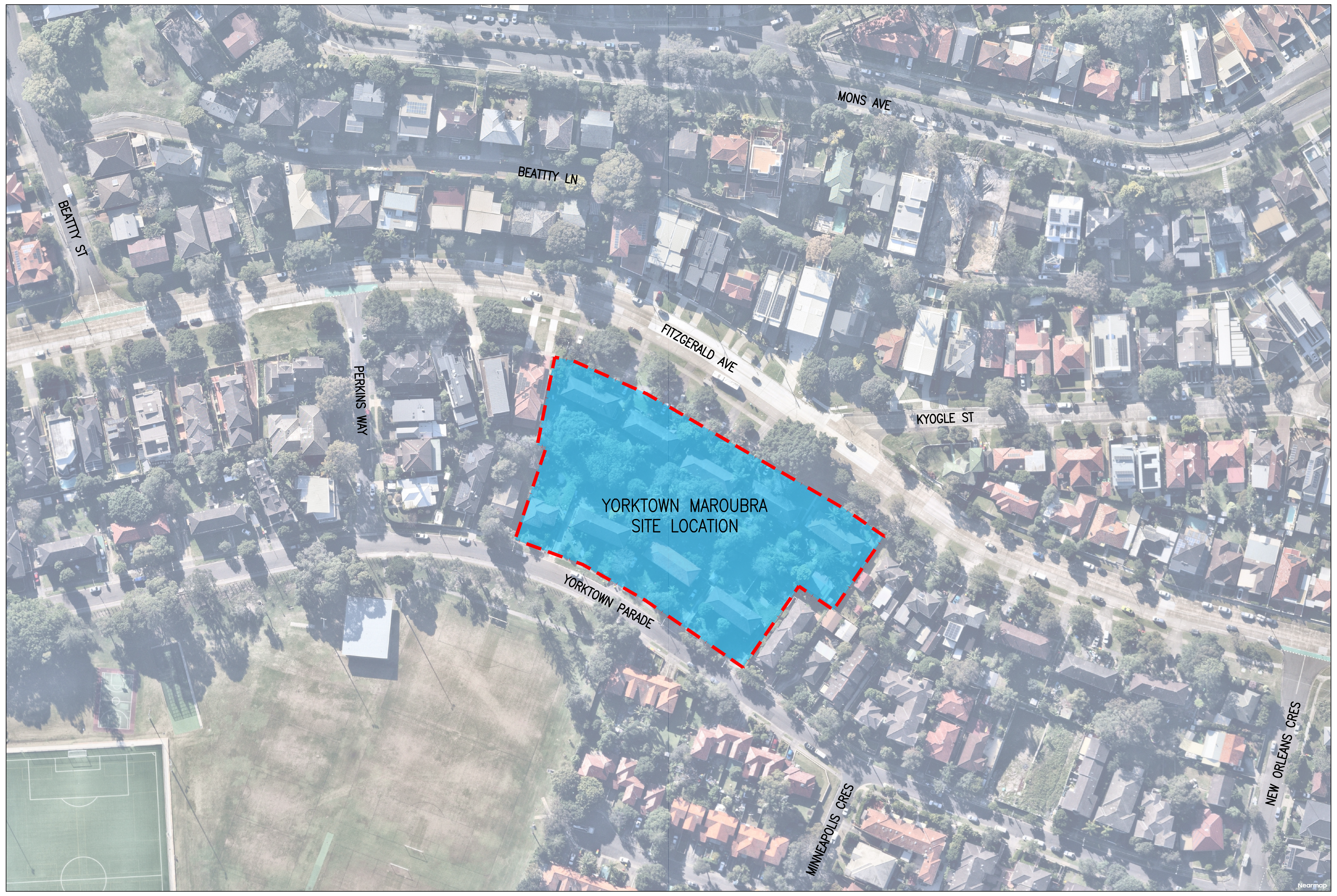

LOCALITY PLAN
SCALE: NTS

Rev	Revision Description	By	App	Date
P01	ISSUED FOR COORDINATION	NL	AA	12.09.25
P02	DRAFT SSDA MOD ISSUE	NL	AA	24.10.25
P03	DRAFT SSDA MOD ISSUE	NL	AA	31.10.25
P04	DRAFT SSDA MOD ISSUE	NL	AA	19.11.25

Rev	Revision Description	By	App	Date

Scale 1 2 3 4 5 6 7 8

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REFER TO GENERAL NOTES UNLESS NOTED OTHERWISE

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bridge
NSW GOVERNMENT
Homes NSW

Project

**YORKTOWN MAROUBRA
195–213 FITZGERALD AVENUE
& 40–64 YORKTOWN PARADE
MAROUBRA**

Country (Traditional Owner)

BIDJIGAL

Title

COVER SHEET

Date: 31.10.25
Drawn: M.ARELLANO
Design Checker: N.LY
Scale at A0: NTS
Designer: N.LY
Approved: A.ANG
RBG Project No.: **25213**

NOT FOR CONSTRUCTION

Drawing Number: **25213-RBG-XX-XX-CV-DR-80000**
Revision: **P04**

GENERAL NOTES

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND RANDWICK CITY COUNCIL SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCIES BETWEEN THESE NOTES AND COUNCIL'S SPECIFICATION COUNCIL TAKE PRECEDENCE.
2. THESE ENGINEERING PLANS ARE TO BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND OTHER CONSULTANTS DOCUMENTATION ON THE PROJECT.
3. THESE ENGINEERING PLANS HAVE BEEN PREPARED FROM INFORMATION AVAILABLE AT THE TIME OF ISSUE. AS THIS INFORMATION MAY BE THE SUBJECT OF CHANGE PRIOR TO OR DURING CONSTRUCTION THE CONTRACTOR IS TO ADVISE THE ENGINEER WHERE DISCREPANCIES OCCUR.
4. THESE DRAWINGS SHALL NOT BE USED FOR FINAL SETOUT OF THE PROJECT UNLESS SPECIFICALLY STATED.
5. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE RESPECTIVE COUNCIL STANDARDS, GUIDELINES AND TECHNICAL MANUALS.
6. ALL WORKS SHALL HAVE SMOOTH JUNCTIONS WITH EXISTING.
7. ALL SURFACES SHALL BE EVEN GRADED AT MINIMUM 1% TO PREVENT SURFACE WATER PONDING.
8. WHERE CERTIFICATION IS REQUIRED, INSPECTIONS ARE TO BE PERFORMED BY A DULY APPOINTED INSPECTOR FROM 'ROBERT BIRD GROUP'. THESE INSPECTIONS ARE TO BE PERFORMED IN ACCORDANCE WITH THE INSPECTION & TEST PLANS PREPARED BY 'ROBERT BIRD GROUP.' THE INSPECTOR IS TO BE GIVEN A MINIMUM NOTICE AS DETAILED IN THE SPECIFICATIONS.
9. ALL MATERIALS SHALL COMPLY WITH WHAT IS SHOWN ON THE PROJECT DRAWINGS AND IN THE PROJECT SPECIFICATIONS.
10. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING SERVICES WITH ALL RELEVANT SERVICE AUTHORITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. A COPY OF THE LOCATIONS OF THE EXISTING SERVICES IS TO BE PROVIDED TO THE MANAGING CONTRACTOR BY THE SERVICES ENGINEER. CONTRACTOR TO NOTIFY MANAGING CONTRACTOR OF ANY POTENTIAL CLASHES.
11. THE CONTRACTOR SHALL VERIFY OFFSET PEGS AND BENCHMARK LEVELS, AND ADVISE THE MANAGING CONTRACTOR OF ANY DISCREPANCY PRIOR TO COMMENCING CONSTRUCTION.
12. THE CONTRACTOR SHALL VERIFY THE EXISTING LEVELS WHERE NEW WORKS ARE TO JOIN TO EXISTING WORKS, AND ADVISE THE MANAGING CONTRACTOR OF ANY DISCREPANCY PRIOR TO COMMENCING CONSTRUCTION.
13. THE CONTRACTOR SHALL CHECK OR OBTAIN ALL DIMENSIONS RELEVANT TO SETTING OUT OF SITE WORKS.
14. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STABILITY OF THE WORKS AND ENSURE NO PART IS OVERSTRESSED. THE DESIGN AND CERTIFICATION OF ALL FORMWORK AND BACKPROPPING IS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
15. THE CONTRACTOR IS TO OBTAIN DESIGN ADVICE FROM A SUITABLY QUALIFIED ENGINEER REGARDING DEMOLITION, RETROFITTING, TEMPORARY WORKS, HEALTH & SAFETY AND NUISANCE. THIS HAS BEEN REFERRED TO AS THE "CONTRACTORS ENGINEER" THROUGHOUT THE REMAINING NOTES.
16. FORMWORK STRIPPING:
    UNLESS SPECIFIED OTHERWISE IN THE PROJECT DOCUMENTATION, MINIMUM STRIPPING TIMES FOR IN-SITU CONCRETE FORMWORK SHALL COMPLY WITH SECTION 5.4.3 (TABLE 5.4.1) OF AS3610-'FORMWORK FOR CONCRETE'.
17. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT AUSTRALIAN STANDARDS AND BCA STATUTORY REQUIREMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT SUFFICIENT TOLERANCES ARE PROVIDED AND INTEGRATED THROUGHOUT ALL ELEMENTS OF THE WORKS.
19. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
20. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.).
21. DESIGN LEVELS AND SETOUT DETAILED HEREIN ARE DERIVED FROM THE LANDSCAPE AND ARCHITECTURAL CONCEPT PLANS. CONTRACTOR SHALL CONFIRM LEVELS ARE COORDINATED PRIOR TO COMMENCING WORKS. EXISTING LEVELS ARE DERIVED FROM SURVEY DATA. CONTRACTOR TO CONFIRM ALL ON SITE PRIOR TO COMMENCING WORKS.

SITE LEVELS NOTES

1. GRADES ARE SHOWN FOR GUIDANCE ONLY. SET OUT FROM LEVELS ONLY.

SURVEY NOTES

1. THE SURVEY INFORMATION SHOWN ON ROBERT BIRD GROUP DRAWINGS HAS BEEN OVERLAID FROM INFORMATION PROVIDED IN THE DETAILED SURVEY BY NORTON SURVEY PARTNERS, FILE REF: 07.02.05.04.01 31470-1. ROBERT BIRD GROUP DOES NOT GUARANTEE THAT THE SURVEY INFORMATION IS ACCURATE, AND ACCEPTS NO LIABILITY FOR INACCURACIES.

SEDIMENT AND EROSION CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PROVIDED IN ACCORDANCE WITH SPECIFICATION AND EPA "MANAGING URBAN STORMWATER CONSTRUCTION ACTIVITIES" 1998. ALL WORKS SHALL BE COMPLETED PRIOR TO CONSTRUCTION COMMENCING.
2. REFER TO ROBERT BIRD GROUP'S DRAWING SHEETS 81001 AND 81101 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.

EARTHWORKS NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL, COMPACTION AND DISPOSAL OF ALL EXCAVATED MATERIAL.
2. ALL EARTHWORKS AREAS ARE TO BE LEFT IN A FREE DRAINING STATE.
3. PROOF ROLL SUBGRADE TO REVEAL SOFT SPOTS. SOFT SPOTS TO BE REMOVED AND BACKFILLED. ALL NATURAL SUBGRADE IS TO BE COMPACTED TO IN ACCORDANCE WITH AS1289 PRIOR TO PLACEMENT OF FILL MATERIAL.
4. MATERIAL WON FROM THE SITE TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER FOR APPROVAL PRIOR TO USE AS FILL. ALL FILL TO BE COMPACTED TO MIN. 98% STANDARD COMPACTION IN 200mm MAXIMUM THICK LAYERS IN ACCORDANCE WITH AS1289.
5. TEST CERTIFICATES ON THE FILL MATERIAL SHALL BE SUPPLIED TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO THE USE OF THE FILL MATERIAL.

EXISTING SERVICES NOTES

1. EXISTING SERVICES MAY NOT BE SHOWN ON THE DRAWINGS.
2. WHERE EXISTING SERVICES ARE SHOWN, NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.
3. EXISTING SERVICES SHOWN ARE INDICATIVE ONLY.
4. THE CONTRACTOR SHALL HAVE UNDERTAKEN THEIR OWN INVESTIGATIONS AS TO THE EXISTENCE AND LOCATION OF SERVICES AND THEIR POTENTIAL IMPACT ON THE WORKS PRIOR TO TENDERING FOR THE WORKS, INCLUDING, BUT NOT LIMITED TO, VISITING THE SITE AND DIAL BEFORE YOU DIG SEACRHES. WHERE THE CONTRACTOR BELIEVES EXISTING SERVICES MAY IMPACT THE WORKS THEY SHALL IDENTIFY POTENTIAL IMPACTS TO THE PRINCIPAL OR MANAGING CONTRACTOR PRIOR TO EXECUTION OF A CONTRACT OF SERVICES. THE CONTRACTOR SHALL NOT BE ENTITLED TO A VARIATION FOR BEING UNAWARE OF THE EXISTENCE OF EXISTING SERVICES WHERE REASONABLE ACTIONS WOULD HAVE IDENTIFIED THEIR EXISTENCE.
5. THE CONTRACTOR SHALL DETERMINE THE EXACT POSITION AND LEVEL OF EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION.
6. THE CONTRACTOR SHALL CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO ANY WORKS WITHIN CLOSE PROXIMITY OF SERVICES AND COMPLY WITH THE RELEVANT AUTHORITIES REQUIREMENTS INCLUDING MINIMUM CLEARANCE FOR CONSTRUCTION MACHINERY AND COMMISSIONING OF AN ACCREDITED PLANT LOCATOR IF REQUIRED.
7. ANY DAMAGE TO EXISTING SERVICES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT ALL SERVICES AND SHALL RECTIFY ANY DAMAGE AT THEIR EXPENSE.
8. EXISTING SERVICE COVERS MUST BE RAISED OR LOWERED AS APPROPRIATE TO BE SET FLUSH WITH THE FINISHED CONSTRUCTED SURFACE, INCLUDING SLOPING THE COVER TO MATCH CROSSFALLS, UNLESS SPECIFIED OTHERWISE.

HEALTH & SAFETY

1. THE CONTRACTOR SHALL DEVELOP, IMPLEMENT AND ADMINISTER A WORKPLACE HEALTH AND SAFETY PROGRAM THAT WILL ENSURE THAT ALL CONSTRUCTION ACTIVITIES ARE PERFORMED TO THE RELEVANT WORKPLACE HEALTH AND SAFETY REQUIREMENTS AND ANY OTHER RELEVANT STATUTORY REQUIREMENTS.
2. THE WORKPLACE HEALTH AND SAFETY PROGRAM MUST BE CO-ORDINATED WITH ADJOINING PROPERTY OWNERS AND ALL RELEVANT PARTIES AS NECESSARY TO ENSURE A SAFE BUILDING ENVIRONMENT AT ALL TIMES.

NUISANCE

1. THE CONTRACTOR SHALL DEVELOP, IMPLEMENT, AND ADMINISTER A PLAN THAT WILL ENSURE THE MANAGEMENT OF NOISE AND VIBRATION RESULTING FROM CONSTRUCTION WORKS. REFER TO SPECIFICATIONS FOR REQUIRED LIMITS, OTHERWISE, CONTACT ENGINEER FOR GUIDANCE.
2. THE CONTRACTOR WILL NEED TO ENSURE ALL ADJOINING PROPERTY REQUIREMENTS RELATING TO NOISE AND VIBRATION ARE MET.
3. IF IT IS ESTABLISHED THAT THERE ARE NO SITE SPECIFIC REQUIREMENTS, THEN THE CONTRACTOR SHALL REFER TO MINIMUM REQUIREMENTS FOR ABATEMENT OF NOISE AND VIBRATION NOMINATED BY RELEVANT STATUTORY REQUIREMENTS
4. THE CONTRACTOR WILL NEED TO PREPARE AND ADVISE ON MONITORING AND MANAGEMENT OF NOISE AND VIBRATION BASED ON PROFESSIONAL ADVICE FROM SUITABLY QUALIFIED PERSON OR PERSONS.

RETAINING WALL NOTES

1. RETAINING WALLS SHALL BE IN ACCORDANCE WITH AS 4678-2002 EARTH RETAINING STRUCTURES.
2. CONTRACTOR TO ENSURE NO CONSTRUCTION OR OTHER ADVERSE LOADS ACT ON RETAINING STRUCTURES.

LANDSCAPING NOTES

1. REFER TO LANDSCAPE ARCHITECTS DRAWINGS FOR LANDSCAPING DETAILS.

TEMPORARY WORKS

1. THE CONTRACTOR SHALL ALLOW FOR THE DESIGN, SUPPLY, INSTALLATION AND REMOVAL OF ALL TEMPORARY BACK PROPPING, SAFETY SCREENS, SCAFFOLDING AND OTHER REQUIREMENTS OF THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL ENGAGE SUITABLY QUALIFIED ENGINEER REFEREED TO AS "CONTRACTORS ENGINEER". TO DESIGN INSPECT AND CERTIFY ALL TEMPORARY WORKS, AND DEMOLITION WORKS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE OVERALL STABILITY OF THE STRUCTURES WHILST UNDER CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ADVICE FROM THE CONTRACTORS ENGINEER.

CONCRETE NOTES

GENERAL

1. CONCRETE WORK SHALL BE IN ACCORDANCE WITH AS3600 AND WITH THE PROJECT SPECIFICATIONS.
2. CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN ON SUPERINTENDENT DRAWINGS OR SPECIFICALLY APPROVED BY SUPERINTENDENT.
3. ALL THICKNESSES SHOWN ARE MINIMUM STRUCTURAL REQUIREMENTS, NO REDUCTION IN THICKNESS DUE TO FALLS OR TOPPING IS PERMITTED.
4. UNLESS A GROOVE LINE ALLOWANCE HAS BEEN NOTED ON THE DRAWINGS, NO GROOVE LINES ARE PERMITTED, EXCEPT AT SLAB LINES. ALL GROOVE LINES ARE TO BE SUBMITTED TO 'ROBERT BIRD GROUP' FOR APPROVAL.
5. THE FACE OF ALL CONCRETE AGAINST WHICH NEW CONCRETE IS TO BE CAST IS TO BE THOROUGHLY MECHANICALLY SCABBLED, FULLY EXPOSING THE AGGREGATE MATRIX.

CONCRETE

1. THE CHARACTERISTIC COMPRESSIVE STRENGTH (f'c) AT 28 DAYS OF IN PLACE CONCRETE SHALL BE AS NOTED IN THE SPECIFICATION OR OTHERWISE NOTED ON THE DRAWINGS
2. MAXIMUM AGGREGATE SIZE.....20mm
3. SLUMP.....................................80mm
4. ALL CONCRETE SHALL BE VIBRATED.
5. ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH THE SPECIFICATION
6. ALL CONCRETE SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH AS1012 AND THE PROJECT SPECIFICATION.
7. ALL FORM WORK SHALL COMPLY WITH AS3610
8. REFER STRUCTURAL ENGINEER'S SPECIFICATIONS FOR CONCRETE REQUIREMENTS.

REINFORCEMENT

1. REINFORCEMENT IS TO BE MANUFACTURED IN ACCORDANCE WITH AS4671 AND SHALL BE FIXED AS SHOWN ON DRAWINGS.
2. MATERIAL IS INDICATED BY THE FOLLOWING SYMBOLS:-
   Y DEFORMED BAR GRADE 400
   N DEFORMED BAR GRADE 500 (NORMAL DUCTILITY)
   R PLAIN ROUND BAR GRADE 250
   W PLAIN WIRE GRADE 450
   SL SQUARE FABRIC GRADE 500
   RL RECTANGULAR FABRIC GRADE 500
3. THE BAR SIZE IS INDICATED BY A NUMBER AFTER THE SYMBOL, WHICH INDICATES THE BAR DIAMETER IN MILLIMETRES.
4. REINFORCEMENT SPACING NOMINATED ON DRAWINGS IS TO ASSIST SCHEDULER AND STEEL FIXER TO ASSESS TOTAL NUMBER OF BARS REQUIRED. WHERE BARS PLACED IN ACCORDANCE WITH SPACING NOMINATED FOUL WITH OTHER STRUCTURAL REQUIREMENTS, PREFERENCE IS TO BE GIVEN TO RELOCATING BARS BY LOCALLY ADJUSTING SPACING TO ENABLE ASSEMBLY OF REINFORCEMENT TO BE COMPLETED. ENGINEER IS TO BE CONTACTED IN THE EVENT THAT REINFORCEMENT IS NEEDED TO BE CUT ON SITE PRIOR TO CONTINUING.
5. LAP LENGTHS TO REINFORCEMENT BARS TO BE AS NOTED ON THE RELEVANT DRAWINGS.
6. WELDING OF REINFORCEMENT BARS IS NOT PERMITTED UNLESS APPROVED.

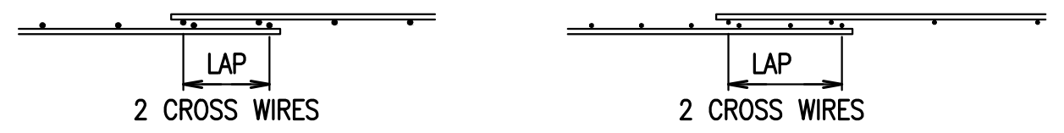
CONCRETE NOTES CONTINUED

REINFORCEMENT CONTINUED

7. COVER SHALL BE AS NOTED ON THE RELEVANT DRAWINGS.
8. CONCRETE COVERS NOTED ARE MEASURED FROM THE FORM WORK OR GROUND FACE TO THE OUTERMOST REINFORCEMENT COMPONENT. i.e.. IN COLUMNS AND BEAMS TO THE OUTSIDE OF TIES OR LIGATURES.
9. COVER TO BE MAINTAINED DURING POURING BY THE USE OF PLASTIC CHAIRS OR PLASTIC TIPPED METAL CHAIRS.
10. WHERE NO REINFORCEMENT IS SHOWN ON THE DRAWING AT RIGHT ANGLES TO THE MAIN REINFORCEMENT DISTRIBUTION REINFORCEMENT IS TO BE PROVIDED.
11. BENDING & STRAIGHTENING
    COLD BENDING: BARS CANNOT BE COLD BENT WITHOUT PRIOR APPROVAL FROM THE PROJECT STRUCTURAL ENGINEER. CORRECT MINIMUM DIAMETER FORMERS ARE TO BE USED IN ACCORDANCE WITH AS3600.
    HOT BENDING: HOT BENDING MAY ONLY BE CONDUCTED WITH THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER. HOT BENDING CAN ONLY BE PERFORMED BY A CERTIFIED WELDER. TEST CERTIFICATE OF AFFECTED AREA TO BE OBTAINED.
    STRAIGHTENING: WHEN RE-STRAIGHTENING PARTIALLY EMBEDDED BARS, DO NOT BEND OVER FORMERS OF SMALLER DIAMETER THAN PERMITTED IN AS 3600. DO NOT SUBJECT REINFORCEMENT BARS TO IMPACT IN ORDER TO STRAIGHTEN.

SLAB ON GROUND NOTES

1. SLAB ON GROUND TO BE POURED ON A LAYER OF POLYETHYLENE SHEETING 200µm THICK ON TOP OF 50mm OF BEDDING SAND. JOINTS TO BE TAPED
2. FABRIC TO BE PLACED ON CHAIRS AT 800 x 800 CENTRES AND CHAIRS TO BE PLACED ON STEEL PANS.
3. LAP FABRIC REINFORCEMENT THUS:



4. WHERE BEDDING SAND IS REQUIRED UNDER SLAB, THIS SHALL BE COMPACTED SUFFICIENTLY TO SUPPORT REINFORCEMENT PLUS 100kg/CHAIR WITHOUT VERTICAL DISPLACEMENT EXCEEDING 5mm.

ROADS AND PAVEMENT NOTES

GENERAL

1. PAVEMENT SHALL BE BOXED OUT TO THE DEPTHS HAS SHOWN ON THE PAVEMENT DRAWINGS, AND SUBGRADE TESTING IS TO BE UNDERTAKEN. SUBGRADE TESTING RESULTS ARE TO BE FORWARDED TO THE ENGINEER (ROBERT BIRD GROUP) FOR DETERMINATION OF FINAL PAVEMENT DEPTH. PAVEMENT CONSTRUCTION IS TO HOLD UNTIL FINAL PAVEMENT DEPTH HAS BEEN DETERMINED BY THE ENGINEER, AND APPROVED BY THE RELEVANT AUTHORITY.
2. THE CONTRACTOR IS TO TEST AND PROVIDE EVIDENCE THAT THE EXITING SUBGRADE EXCEEDS CBR THE DESIGN CBR TESTING IS TO BE CARRIED OUT BY A NATA ACCREDITED LABORATORY PRIOR TO ANY PAVEMENT WORK COMMENCING.

PREPARATION OF SELECT SUBGRADE LAYERED

3. THE SELECT SUBGRADE LAYER IS DEFINED AS THE UPPER 300MM OF THE FORMATION UPON WHICH THE ROAD PAVEMENT IS TO BE CONSTRUCTED. THE UPPER SURFACE OF THE SUBGRADE LAYER IS DEFINED AS THE DESIGN SUBGRADE LEVEL.
4. THE SELECT SUBGRADE LAYER SHALL BE FREE FROM ALL POCKETS OF SOFT COMPRESSIBLE MATERIAL, FREE FROM STONE WITH A MAXIMUM DIMENSION LARGER THAN 50MM, AND HAVE A MINIMUM SOAKED CBR AS SPECIFIED ON DRAWINGS.
5. ANY UNSUITABLE LAYER SHALL BE COMPACTED TO A FIELD DRY DENSITY OF NOT LESS THAN 100% AS DETERMINED IN ACCORDANCE WITH RMS TEST METHOD T111 – STANDARD COMPACTION (FOR A COHESIVE SOIL) OR A MINIMUM DENSITY INDEX OF 80% WHEN TESTED IN ACCORDANCE WITH AS.1289.5.6.1 (FOR A COHESIVE LESS SOIL)
6. TESTS FOR COMPACTION OF SELECTED SUBGRADE LAYER SHALL BE CARRIED OUT BY THE CONTRACTOR AT LOCATION APPROVED BY THE SUPERINTENDENT AT A RATE AS SPECIFIED.

PLACEMENT OF PAVEMENT MATERIALS

1. THE PAVEMENT SHALL BE CONSTRUCTED TO THE THICKNESS AS SHOWN ON THE DRAWINGS. PAVEMENT COURSES MORE/ GREATER THAN 150mm IN COMPACTED THICKNESS SHALL BE SPREAD AND COMPACTED IN TWO OR MORE LAYERS OF NOT LESS THAN 75mm IN COMPACTED THICKNESS.
2. SPREADING SHALL BE UNDERTAKEN BY A METHOD THAT WILL ENSURE THAT SEGREGATION DOES NOT OCCUR.
3. MIXING OR BLENDING OF PAVEMENT MATERIALS WILL NOT BE ALLOWED ON THE ROAD FORMATION. PAVEMENT MATERIAL SHALL NOT BE SPREAD ON A WATERLOGGED SUBGRADE NOR BROKEN ON THE SUBGRADE. WHEN SPREADING AND/OR MIXING PAVEMENT MATERIAL, CARE SHALL BE TAKEN TO ENSURE THAT THE SUBGRADE SHALL NOT BE DISTURBED, BECOME RUTTED OR MIXED WITH THE PAVEMENT MATERIALS.
4. IF, AT ANY TIME ANY PART OF SUBGRADE AND PAVEMENT MATERIALS BECOME MIXED, THE CONTRACTOR SHALL, AT ITS COST, REMOVE THE MIXTURE AND RESHAPE THE SUBGRADE WITH APPROVED MATERIAL COMPACTED UNIFORMLY WITH THE SURROUNDING SURFACE.
5. WHEN EACH LAYER OF PAVEMENT MATERIAL HAS BEEN SPREAD, WATERING SHALL BE CARRIED OUT AS NECESSARY TO MAINTAIN THE MATERIAL AT A MOISTURE CONTENT DURING ROLLING AS CLOSE TO BUT NOT EXCEEDING ITS OPTIMUM MOISTURE CONTENT.
6. WHERE THE MOISTURE CONTENT OF PAVEMENT MATERIAL IS INSUFFICIENT, WATER SHALL BE ADDED BY APPROVED WATERING EQUIPMENT AND SHALL BE MIXED UNIFORMLY WITH THE MATERIAL BY AN APPROVED MECHANICAL DEVICE.
7. WHERE THERE IS EXCESS MOISTURE IN THE PAVEMENT MATERIAL, IT SHALL BE DRIED TO THE REQUIRED MOISTURE CONTENT BY LOOSENING AND AERATING.

COMPACTION OF PAVEMENT MATERIALS

1. AS EACH LAYER IS BROUGHT TO IT OPTIMUM MOISTURE CONTENT, IT SHALL BE IMMEDIATELY COMPACTED BY ROLLING.
2. COMPACTION SHALL BE CARRIED OUT USING APPROVED EQUIPMENT OF ADEQUATE CAPACITY TO ACHIEVE THE DEGREE OF COMPACTION SPECIFIED.
3. ANY DEFICIENCIES MADE BY THE SINKING OF THE COMPACTOR WHEN COMPACTING MATERIAL SHALL AT ONCE BE MADE GOOD BY SCARIFYING THE SURFACE AND ADDING ADDITIONAL MATERIAL AT THE CONTRACTOR'S EXPENSE.
4. ON THE SECTION OF PAVEMENT HAVING A ONE-WAY CROSS FALL, COMPACTION SHALL COMMENCE AT THE LOWER EDGE OF THE BASE AND PROGRESS UPWARDS TO THE HIGHER EDGE.
5. ON CROWNED SECTION OF PAVEMENT, COMPACTION SHALL COMMENCE AT THE OUTER EDGES OF THE BASE AND PROGRESS INWARDS TOWARDS THE CROWN.
6. EACH PASS OF THE COMPACTION PLANT SHALL BE PARALLEL TO THE CENTRE LINE OF THE PAVEMENT. THE METHOD OF COMPACTION SHALL ALLOW FOR PROGRESSIVE AND UNIFORM OVERLAP BETWEEN PASSES.
7. IF NON-VIBRATING SMOOTH-WHEELED ROLLERS ARE USED AS COMPACTION PLANT. THEY SHALL BE OPERATED WITH THE DRIVING ROLLERS FACING THE UNCOMPACTED MATERIAL DURING THE INITIAL PASS.
8. IF VIBRATING ROLLERS ARE USED AS COMPACTION PLANT, THE VIBRATOR SHALL NOT BE ACTIVATED UNTIL A MINIMUM OF TWO "STATIC" PASSES HAVE BEEN MADE. IN ADDITION, THE VIBRATORS SHALL NOT BE ACTIVATED DURING ANY CHANGE IN DIRECTION OF THE ROLLER.
9. COMPACTION PLANT AND OTHER ANCILLARY PLANT SHALL NOT BE ALLOWED TO REMAIN STANDING ON THE COMPACTED PAVEMENT WITHOUT THE APPROVAL OF THE SUPERINTENDENT.
10. TRAFFIC SHALL NOT BE ALLOWED ON ANY COMPACTED LAYER WITHOUT APPROVAL OF THE SUPERINTENDENT. EACH LAYER IN A MULTI-LAYERED COURSE SHALL BE FULLY COMPACTED IN SEQUENCE. THE SURFACE OF THE COMPACTED LAYER SHALL BE KEPT SUFFICIENTLY MOIST TO MAINTAIN THE REQUIRED FIELD MOISTURE CONTENT THROUGHOUT THE FULL DEPTH OF THE LAYER PRIOR TO PLACEMENT OF SUBSEQUENT LAYERS OR TO THE APPLICATION OF THE SURFACE PRIMER, AS APPLICABLE.
11. COMPACTION SHALL CONTINUE UNTIL THE MATERIAL DOES NOT CREEP OR WAVE AHEAD OF THE ROLLER, UNTIL THE SURFACE PRESENTS A SMOOTH UNIFORM APPEARANCE AND UNTIL THE MATERIAL HAS BEEN LEVELED AND COMPACTED TO THE REQUIREMENTS AND TOLERANCES SPECIFIED ELSEWHERE HEREIN.
12. TESTS FOR COMPACTION OF ROAD PAVEMENT MATERIALS SHALL BE CARRIED OUT BY THE CONTRACTOR AT LOCATIONS APPROVED BY THE SUPERINTENDENT AT A RATE AS SPECIFIED.

SERVICE NOTES

1. ALL EXISTING SERVICES LIDS THAT ARE TO REMAIN ARE TO BE RECONSTRUCTED TO MATCH PROPOSED LEVELS.

HYDRAULICS NOTES

1. REFER TO HYDRAULIC ENGINEERS DRAWINGS FOR SEWER, WATER AND INTERNAL SITE STORMWATER DRAINAGE WORKS.

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATION OF UNDERGROUND SERVICES ARE INDICATIVE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL OR ANY EXISTING SERVICES ARE SHOWN.

WORKS WITHIN THE JURISDICTION OF LOCAL AUTHORITIES

WORKS WITHIN THE JURISDICTION OF LOCAL AUTHORITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL REQUIREMENTS AND INSTRUCTIONS OF THE RELEVANT LOCAL AUTHORITY. THE CONTRACTOR MUST CONTACT THE RELEVANT AUTHORITY PRIOR TO COMMENCEMENT AND DURING THE WORKS TO ENSURE THE REQUIRED PERMITS AND PREPARATIONS ARE IN PLACE AND ALLOW INSPECTION OF THE WORKS AT POINTS REQUIRED BY THE RELEVANT AUTHORITY TO ENABLE SIGNOFF OF THE WORKS AT COMPLETION BY THE RELEVANT AUTHORITY. FAILURE TO DO SO MAY NECESSITATE REMOVAL AND RECONSTRUCTION OF ALL OR PART OF THE WORKS.

BEFORE YOU DIG
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STORMWATER DRAINAGE NOTES

1. INSTALLATION AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE RELEVANT SPECIFICATIONS, AS 3500.3, LOCAL AUTHORITY STANDARDS AS APPROPRIATE UNLESS OTHERWISE DIRECTED.
2. THE CONTRACTOR SHALL CONFIRM THE LEVEL AND POSITION OF EXISTING DRAINS AND PITS BEING CONNECTED TO PRIOR TO STARTING CONSTRUCTION.
3. THE CONTRACTOR SHALL INVESTIGATE AND ACCURATELY LOCATE EXISTING DRAINAGE THAT IS REQUIRED TO BE RETAINED FOR THE SITE (E.G. DOWNPIPE CONNECTIONS FOR EXISTING BUILDINGS AND EXISTING SITE DRAINS THAT MAY BE CROSSING THE SITE). SUCH EXISTING DRAINAGE SHALL REMAIN UNDAMAGED AND BE GIVEN ALL NECESSARY PROTECTION. ANY DAMAGE TO EXISTING DRAINAGE SHALL BE REPAIRED OR DIVERTED AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL REFER EXISTING DRAINAGE CLASHES WITH THE PROPOSED WORKS TO THE ENGINEER FOR CLARIFICATION.
4. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR MUST SET OUT THE DRAINAGE ALIGNMENT ON THE GROUND AND REPORT ON ANY OBSTRUCTIONS THAT MAY NECESSITATE AMENDMENTS TO THE PROPOSED ALIGNMENT.
5. THE CONTRACTOR SHALL USE EXISTING SERVICE LOCATION DETECTION METHODS ALONG THE ALIGNMENT OF ALL PROPOSED STORMWATER DRAINS TO IDENTIFY CROSSING SERVICES PRIOR TO CONSTRUCTION. CROSSING SERVICES SHALL BE MARKED ON THE GROUND.
6. THE CONTRACTOR SHALL INVESTIGATE AND CONFIRM EXISTING SERVICES CLEARANCES FROM EXACT LOCATIONS (E.G. POTHOLING) PRIOR TO CONSTRUCTION AND REPORT ANY CLASHES TO THE ENGINEER FOR CLARIFICATION.
7. PIPELAYING SHALL COMMENCE AT THE DOWNSTREAM END OF THE DRAINAGE SYSTEM AND PROCEED IN AN UPSTREAM DIRECTION. PIPE SOCKETS AND REBATES SHALL POINT UPSTREAM.
8. EXISTING OBSOLETE DRAINS AND PITS UNDER PROPOSED BUILDINGS AND PAVEMENTS ARE TO BE REMOVED TO WASTE AND BACKFILLED AS PER DRAINAGE TRENCH DETAIL UNLESS ALLOWED TO REMAIN BY THE ENGINEER.
9. THE CONTRACTOR SHALL NOT REMOVE ANY EXISTING OBSOLETE UNDERGROUND DRAINAGE SYSTEM UNTIL WORKS HAVE BEEN DONE TO CATER FOR DRAINAGE OF THE SITE.
10. PIPES UP TO AND INCLUDING 300MM DIAMETER TO BE CLASS SN8 UPVC RUBBER RING JOINT PRODUCED IN ACCORDANCE WITH AS 1254 REQUIREMENTS FOR "BEST ENVIRONMENTAL PRACTICE FOR PVC PIPES AND FITTINGS" OR APPROVED SIMILAR UNLESS OTHERWISE ANNOTATED.
11. PIPES GREATER THAN 300mm Ø TO BE RCRRJ CLASS "2" UNLESS OTHERWISE ANNOTATED.
12. ALL IN GROUND PIPES UP TO 600mm DIAMETER TO BE RUBBER RING JOINTED.
13. PIPE GRADES ARE SHOWN FOR GUIDANCE ONLY AND/OR TO INFORM MINIMUM GRADE REQUIREMENTS. INVERT LEVELS SHALL BE USED FOR SETOUT AND TO DETERMINE EXACT GRADES FOR CONSTRUCTION.
14. DOWNPIPE CONNECTIONS TO BE THE SAME DIAMETER AS DOWNPIPES AND LAID AT A MINIMUM GRADE OF 1:100 WITH MINIMUM COVER AS SPECIFIED IN AUSTRALIAN STANDARDS.
15. WHERE DOWNPIPES DO NOT DISCHARGE DIRECTLY TO OPEN GRATES, PROVIDE INSPECTION OPENINGS ABOVE GROUND IN ALL DOWNPIPES TO ALLOW FOR MAINTENANCE ACCESS.
16. EXISTING AND PROPOSED COVERS MUST BE SET FLUSH WITH THE FINISHED CONSTRUCTED SURFACE, INCLUDING SLOPING THE COVER TO MATCH CROSSFALLS, UNLESS SPECIFIED OTHERWISE.
17. ALL INSPECTION OPENINGS TO BE BROUGHT TO THE SURFACE AND CAPPED TO APPROPRIATE LOAD CAPACITY FOR AREA OF USE.
18. ALL PITS ARE TO BE CAST IN-SITU AS PER THE STORMWATER DRAINAGE DETAILS UNLESS NOTED OTHERWISE.
19. ALL PITS ARE TO BE BENCHED WITH A STEEL TROWELLED FINISH TO PROVIDE SMOOTH FLOW THROUGH THE PIT.
20. ALLOW TO CLEAN AND FLUSH ALL EXISTING PITS AND PIPES FROM POINT OF NEW CONNECTION TO POINT OF DISCHARGE FROM THE SITE IN ADDITION TO FLUSHING ALL NEW DRAINAGE AT COMPLETION OF THE WORKS.
21. THE CONTRACTOR SHALL COMPLY WITH CONFINED SPACE REQUIREMENTS TO AS 2865.
22. THE CONTRACTOR SHALL PROVIDE AS-CONSTRUCTED DRAWINGS OF THE STORMWATER DRAINAGE NETWORK AT COMPLETION OF THE WORKS.
23. CONNECT ALL SUBSOIL DRAINS TO THE NEAREST AVAILABLE STORMWATER PIT THAT HAS AN INVERT LEVEL ABLE TO ACCOMMODATE THE SUBSOIL DRAIN AT MINIMUM GRADE.
24. FLUSHING POINTS ARE TO BE PROVIDED AT THE UPSTREAM END OF ALL SUBSOIL DRAINS WHERE ACCESS CANNOT BE OBTAINED VIA PITS. PROVIDE ADDITIONAL FLUSHING POINTS AT A SPACING NO GREATER THAN 50 METERS.

Rev	Revision Description	By	App	Date
P01	ISSUED FOR COORDINATION	NL	AA	12.09.25
P02	DRAFT SSDA MOD ISSUE	NL	AA	24.10.25

Rev	Revision Description	By	App	Date

Scale 1 2 3 4 5 6 7 8

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bridge
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Project
YORKTOWN MAROUBRA
195-213 FITZGERALD AVENUE
& 40-64 YORKTOWN PARADE
MAROUBRA

Country (Traditional Owner)
BIDJIGAL

Title
GENERAL NOTES

Date	Drawn	Design Checker
12.09.25	M.ARELLANO	N.LY
Scale at A0	Designer	Approved
NTS	N.LY	A.ANG

RBG Project No.
25213

NOT FOR CONSTRUCTION

Drawing Number
25213-RBG-XX-XX-CV-DR-80005

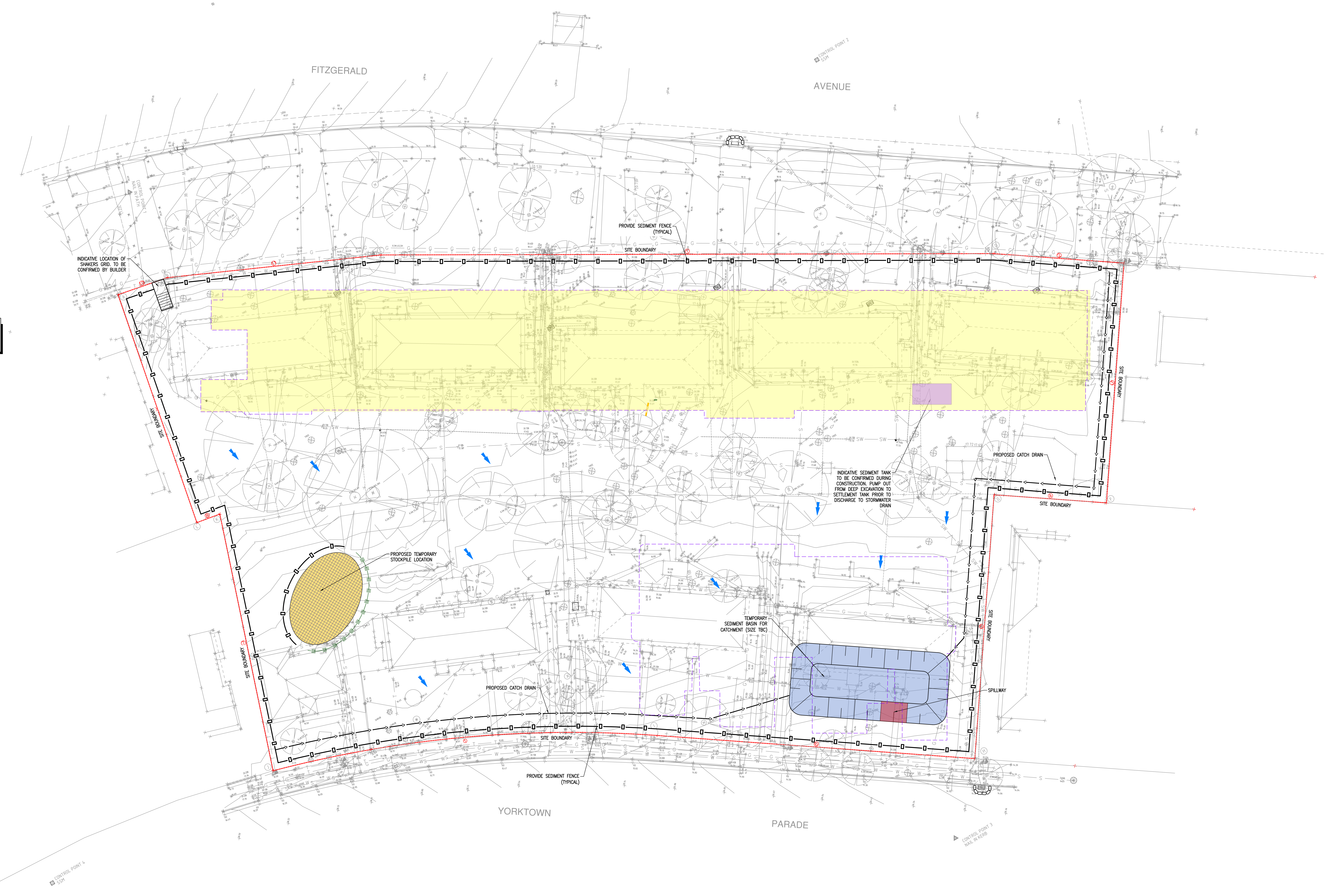
Revision
P01

LEGEND

- - -	SITE BOUNDARY
—▫—▫—	PROPOSED SEDIMENT FENCE
—▫—▫—	PROPOSED EARTH BANK
—>—>—	PROPOSED CATCH DRAIN
●	TEMPORARY STOCKPILE LOCATION
▥	PROPOSED SHAKER GRID
○	SANDBAG INLET PIT SEDIMENT TRAP
➤	OVERLAND FLOW PATH DIRECTION
🟨	BASEMENT EXTENT/DEEP EXCAVATION
🟪	PROPOSED SEDIMENT TANK
⬚	LOWER GROUND EXTENT

NOTES:

REFER TO LANDSCAPE AND ARBORIST FOR TREES TO BE RETAINED/REMOVED


FITZGERALD
AVENUE
CONTROL POINT 2 SSM
PROVIDE SEDIMENT FENCE (TYPICAL)
SITE BOUNDARY
INDICATIVE LOCATION OF SHAKERS GRID. TO BE CONFIRMED BY BUILDER
SITE BOUNDARY
SITE BOUNDARY
PROPOSED CATCH DRAIN
INDICATIVE SEDIMENT TANK TO BE CONFIRMED DURING CONSTRUCTION. PUMP OUT FROM DEEP EXCAVATION TO SETTLEMENT TANK PRIOR TO DISCHARGE TO STORMWATER DRAIN
SITE BOUNDARY
PROPOSED TEMPORARY STOCKPILE LOCATION
SITE BOUNDARY
TEMPORARY SEDIMENT BASIN FOR CATCHMENT (SIZE TBC)
SITE BOUNDARY
SPILLWAY
PROPOSED CATCH DRAIN
SITE BOUNDARY
PROVIDE SEDIMENT FENCE (TYPICAL)
YORKTOWN
PARADE
CONTROL POINT 3 NAIL IN KERB
CONTROL POINT 4 SSM

Rev	Revision Description	By	App	Date
P01	ISSUED FOR COORDINATION	NL	AA	12.09.25
P02	DRAFT SSDA MOD ISSUE	NL	AA	24.10.25

Scale 1 2 3 4 5 6 7 8

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Project

YORKTOWN MAROUBRA
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& 40–64 YORKTOWN PARADE
MAROUBRA

Country (Traditional Owner)

BIDJIGAL

Title

EROSION AND SEDIMENT CONTROL PLAN

Date: 23.10.25
Drawn: M.ARELLANO
Design Checker: N.LY
Scale at A0: 1:200
Designer: N.LY
Approved: A.ANG
RBG Project No.: 25213

NOT FOR CONSTRUCTION

Drawing Number: 25213–RBG–XX–XX–CV–DR–81001
Revision: P02

SEDIMENT AND EROSION CONTROL NOTES

1. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH:
   (A) LOCAL AUTHORITY REQUIREMENTS,
   (B) EPA – POLLUTION CONTROL MANUAL FOR URBAN STORMWATER,
   (C) DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT MANUAL– "URBAN EROSION & SEDIMENT CONTROL".
2. EROSION AND SEDIMENT CONTROL DRAWINGS AND NOTES ARE PROVIDED FOR THE WHOLE OF THE WORKS. SHOULD THE CONTRACTOR STAGE THESE WORKS THEN THE DESIGN MAY REQUIRE TO BE MODIFIED. VARIATION TO THESE DETAILS MAY REQUIRE TO BE APPROVED BY THE RELEVANT AUTHORITIES. THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE IMPLEMENTED AND ADOPTED TO MEET THE VARYING SITUATIONS AS WORK ON SITE PROGRESSES.
3. SEDIMENT FENCES WILL BE INSTALLED AS SHOWN ON THE PLAN AND ELSEWHERE AT THE DISCRETION OF THE SITE SUPERINTENDENT TO CONTAIN SOIL AS NEAR AS POSSIBLE TO THEIR SOURCE.
4. SEDIMENT FENCES WILL NOT HAVE CATCHMENT AREAS EXCEEDING 900 SQUARE METRES AND HAVE A STORAGE DEPTH OF AT LEAST 0.6 METRES.
5. SEDIMENT REMOVED FROM ANY TRAPPING DEVICES WILL BE RELOCATED WHERE FURTHER POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS CANNOT OCCUR.
6. MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS REHABILITATED.
7. MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
8. WHEN STORMWATER PITS ARE CONSTRUCTED PREVENT SITE RUNOFF ENTERING THE PITS UNLESS SILT FENCES ARE ERECTED AROUND PITS.
9. MINIMIZE THE AREA OF SITE BEING DISTURBED AT ANY ONE TIME.
10. PROTECT ALL STOCKPILES OF MATERIALS FROM SCOUR AND EROSION. DO NOT STOCKPILE LOOSE MATERIAL IN PAVED AREAS, DRIVEWAYS, NEAR DRAINAGE PITS OR IN WATERCOURSES.
11. ALL SOIL AND WATER CONTROL MEASURES ARE TO BE PUT BACK IN PLACE AT THE END OF EACH WORKING DAY, AND MODIFIED TO BEST SUIT SITE CONDITIONS.
12. CONTROL WATER FROM UPSTREAM OF THE SITE SUCH THAT IT DOES NOT ENTER THE DISTURBED SITE.
13. ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE APPROVED CONSTRUCTION ENTRY/EXIT ROUTE.
14. ALL VEHICLES LEAVING THE SITE SHALL BE CLEANED AND INSPECTED BEFORE LEAVING TO REDUCE THE LIKELIHOOD OF VEHICLES TRACKING SOIL MATERIALS ONTO PUBLIC ROADS AND ENSURE ALL–WEATHER ENTRY/EXIT
15. MAINTAIN ALL STORMWATER PIPES AND PITS CLEAR OF DEBRIS AND SEDIMENT. INSPECT STORMWATER SYSTEM AND CLEAN OUT AFTER EACH STORM EVENT.
16. CLEAN OUT ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH STORM EVENT.
17. ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS HAVE BEEN COMPLETED.
18. WATER WILL BE PREVENTED FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR WATER HAS BEEN TREATED BY AN APPROVED DEVICE.
19. TEMPORARY SEDIMENT TRAPS WILL REMAIN IN PLACE UNTIL AFTER THE LANDS THEY ARE PROTECTING ARE COMPLETELY REHABILITATED.
20. KERB INLET SOCKS TO BE PROVIDED ON DOWNSTREAM PITS.
21. CONTRACTOR TO CONSTRUCT SEDIMENT BASIN IN ACCORDANCE WITH EPA 'BLUE BOOK', DETAIL SD 6–1.
22. BASIN SIZING TO BE CONFIRMED WITH MANAGING CONTRACTOR UPON CONFIRMATION OF TEMPORARY CONTRIBUTING CATCHMENTS.

WASTE CONTROL NOTES:

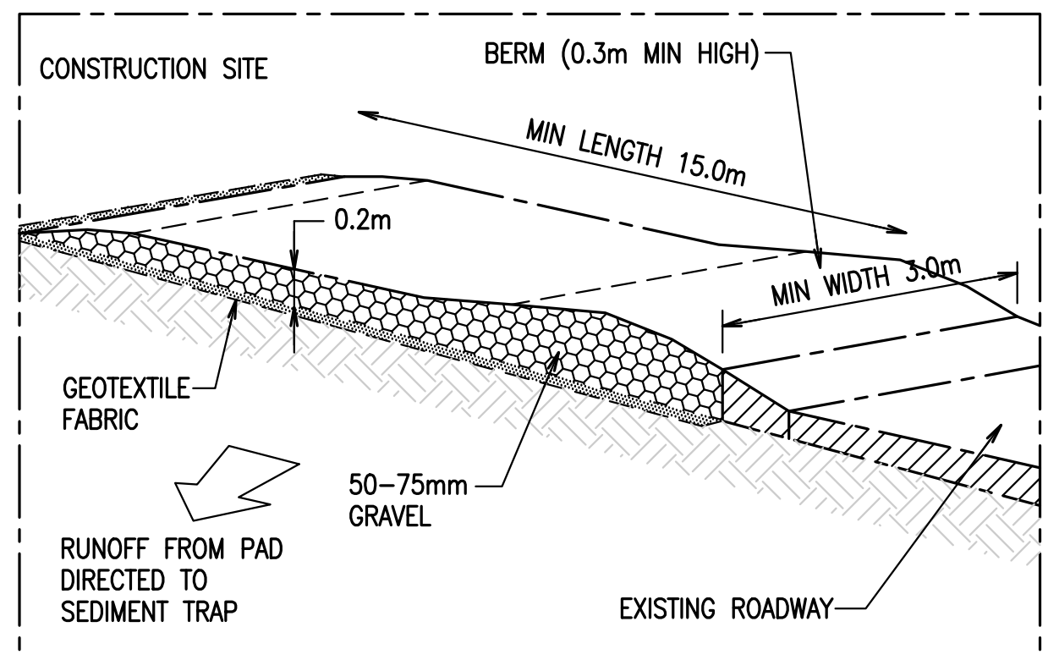
WC1. ACCEPTABLE BINS WILL BE PROVIDED FOR ANY CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHING, LIGHTWEIGHT WASTE MATERIALS AND LITTER. CLEARANCE SERVICES WILL BE PROVIDED AT LEAST WEEKLY. DISPOSAL OF WASTE WILL BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT.

WC2. ALL POSSIBLE POLLUTANT MATERIALS ARE TO BE STORED WELL CLEAR OF ANY POORLY DRAINED AREAS, FLOW PRONE AREAS, STREAMBANKS, CHANNELS AND STORMWATER DRAINAGE AREAS. STORE SUCH MATERIALS IN A DESIGNATED AREA UNDER COVER WHERE POSSIBLE AND WITHIN CONTAINMENT BUNDS.

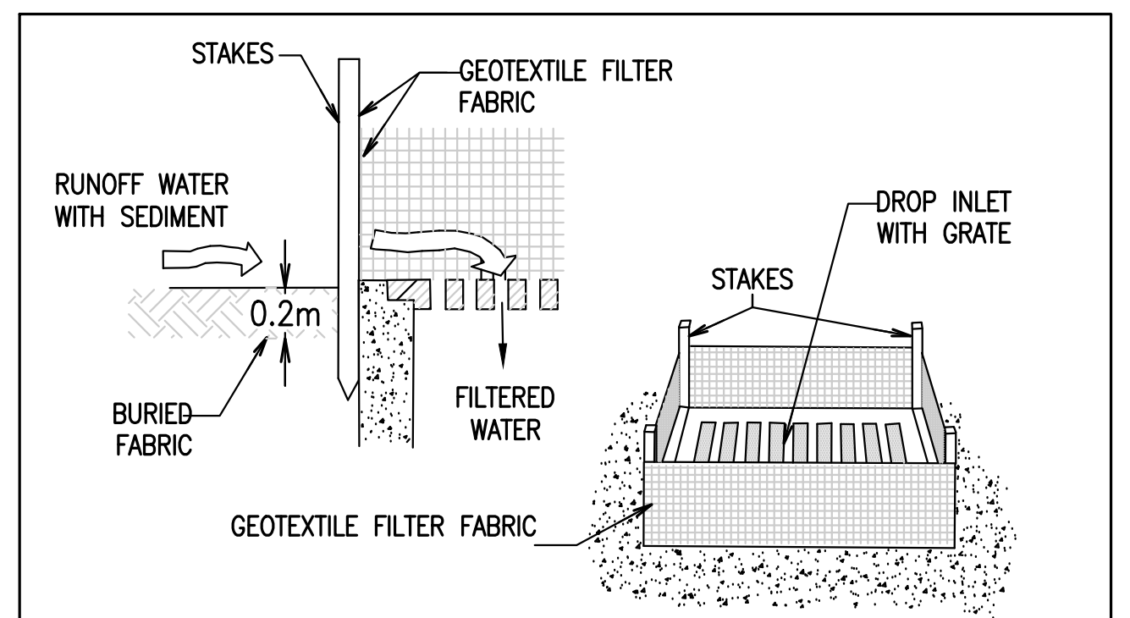
WC3. ALL SITE STAFF AND SUBCONTRACTORS ARE TO BE INFORMED OF THEIR OBLIGATION TO USE WASTE CONTROL FACILITIES PROVIDED.

WC4. ANY DE–WATERING ACTIVITIES ARE TO BE CLOSELY MONITORED TO ENSURE THAT WATER IS NOT POLLUTED BY SEDIMENT, TOXIC MATERIALS OR PETROLEUM PRODUCTS.

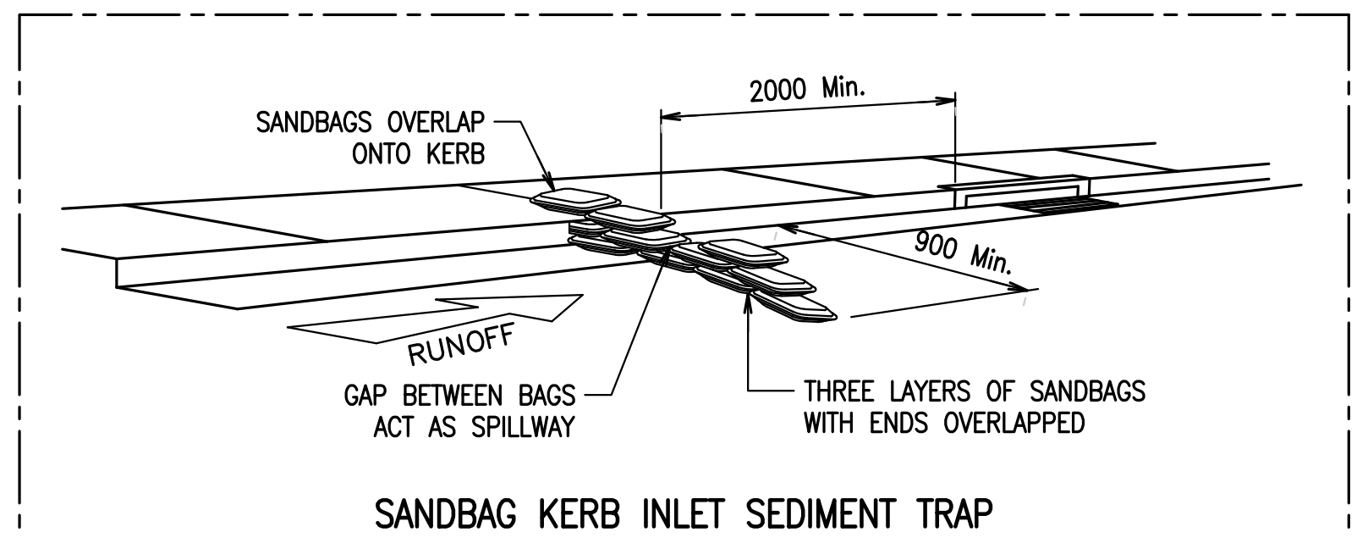
WC5. PROVIDE DESIGNATED VEHICULAR WASHDOWN AND MAINTENANCE AREAS WHICH ARE TO HAVE CONTAINMENT BUNDS.


CONSTRUCTION SITE
BERM (0.3m MIN HIGH)
MIN LENGTH 15.0m
0.2m
MIN WIDTH 3.0m
GEOTEXTILE FABRIC
50–75mm GRAVEL
RUNOFF FROM PAD DIRECTED TO SEDIMENT TRAP
EXISTING ROADWAY

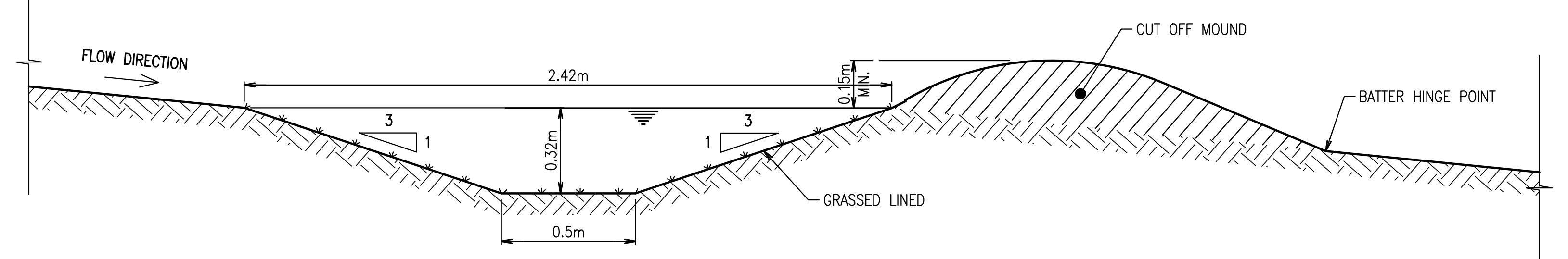
TEMPORARY CONSTRUCTION EXIT/ENTRANCE


STAKES
GEOTEXTILE FILTER FABRIC
RUNOFF WATER WITH SEDIMENT
0.2m
BURIED FABRIC
FILTERED WATER
DROP INLET WITH GRATE
STAKES
GEOTEXTILE FILTER FABRIC

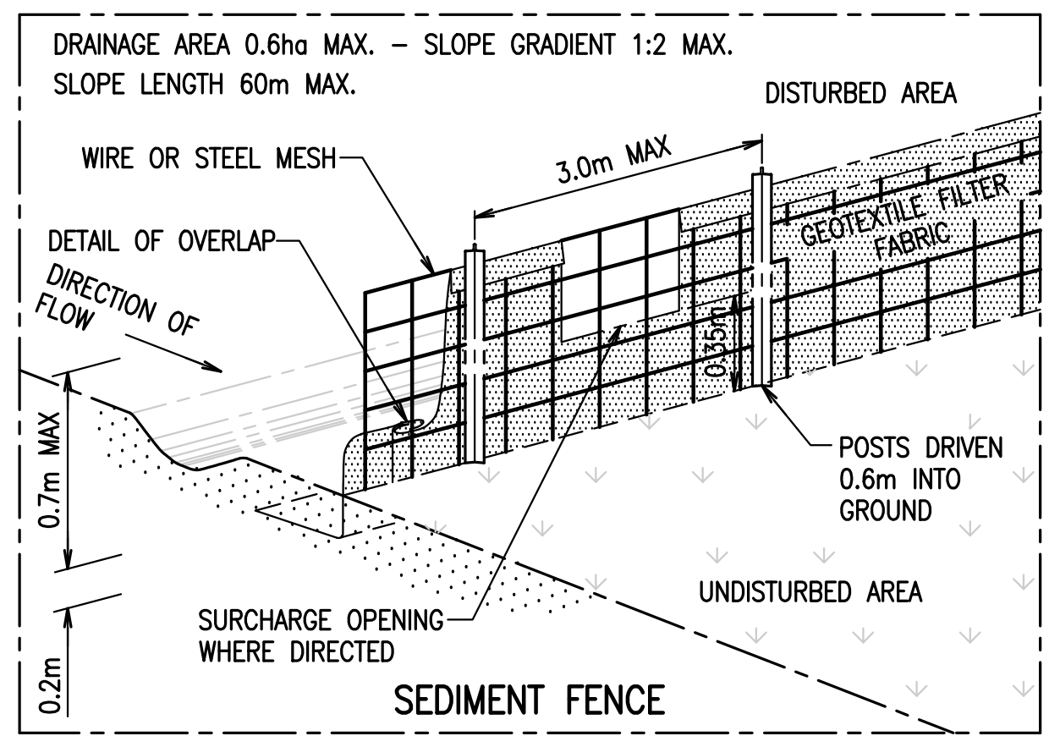
INLET SEDIMENT TRAP


SANDBAGS OVERLAP ONTO KERB
2000 Min.
900 Min.
RUNOFF
GAP BETWEEN BAGS ACT AS SPILLWAY
THREE LAYERS OF SANDBAGS WITH ENDS OVERLAPPED

SANDBAG KERB INLET SEDIMENT TRAP
NOT TO SCALE


FLOW DIRECTION
2.42m
0.15m MIN.
CUT OFF MOUND
3
1
0.32m
3
1
BATTER HINGE POINT
GRASSED LINED
0.5m

CATCH DRAIN DETAIL – GRASS LINED
N.T.S.

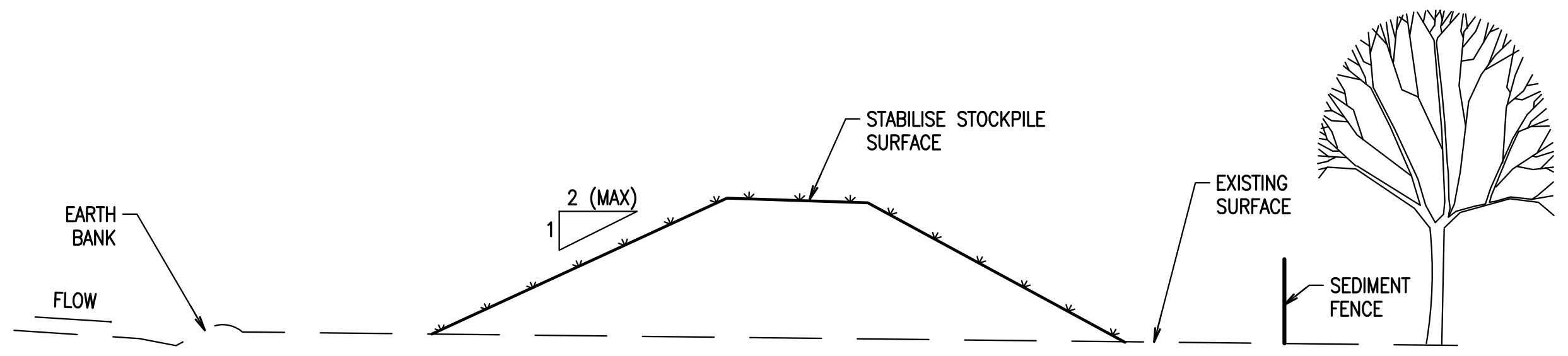

DRAINAGE AREA 0.6ha MAX. – SLOPE GRADIENT 1:2 MAX.
SLOPE LENGTH 60m MAX.
DISTURBED AREA
WIRE OR STEEL MESH
3.0m MAX
GEOTEXTILE FILTER FABRIC
DETAIL OF OVERLAP
DIRECTION OF FLOW
0.35m
0.7m MAX
POSTS DRIVEN 0.6m INTO GROUND
UNDISTURBED AREA
SURCHARGE OPENING WHERE DIRECTED
0.2m

SEDIMENT FENCE

INSTALLATION

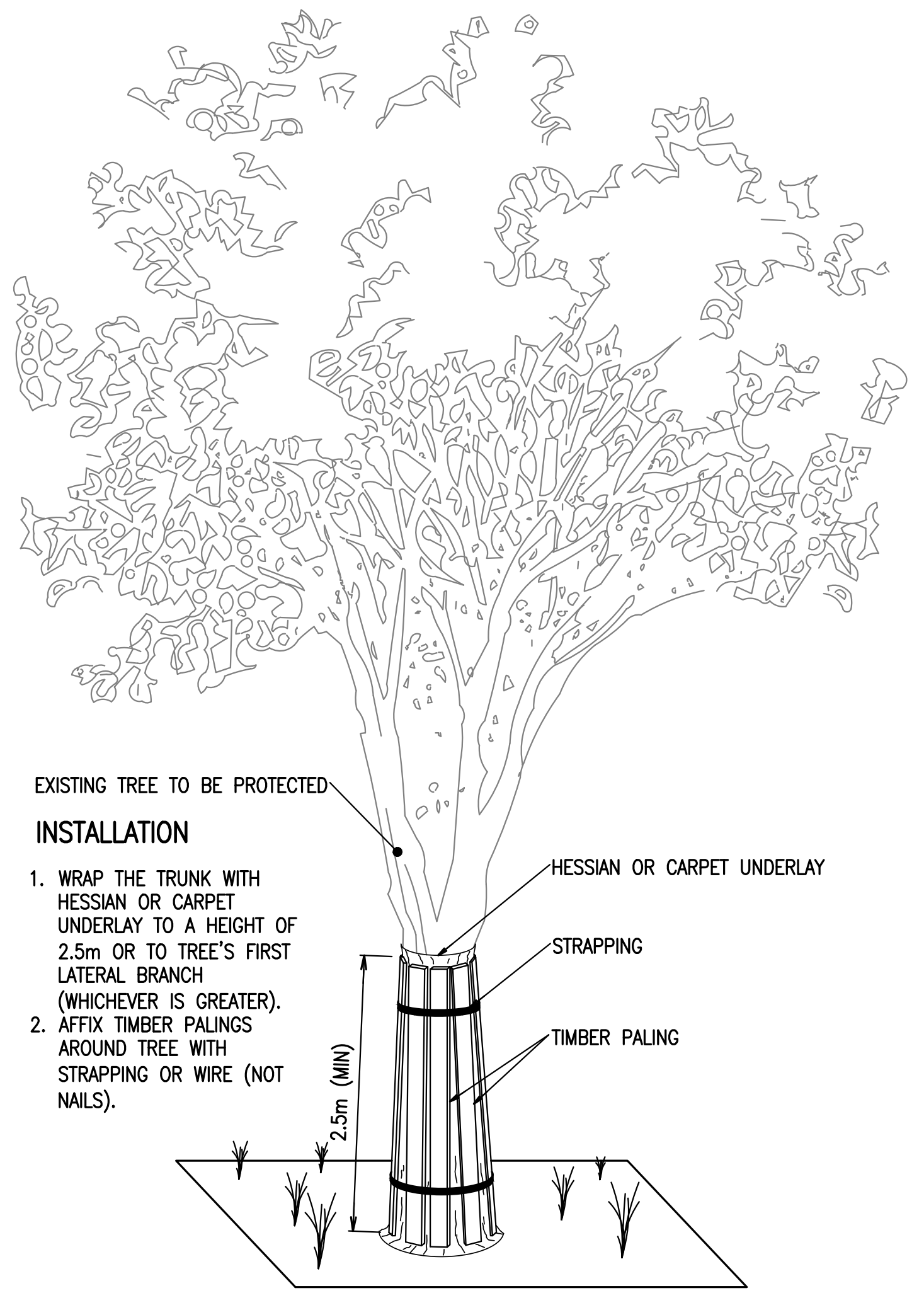
1. EXCAVATE A TRENCH 200mm DEEP.
2. DRIVE POSTS 500–700mm INTO GROUND AT A MAXIMUM SPACING OF 3.0m CENTRES.
3. PLACE AND FIX SUPPORT MESH (F52) TO POST.
4. LAY BIDIM GEOFABRIC (SF 2000) AGAINST THE SUPPORT MESH AND FIX BY TIE WIRE, STAPLES OR HOG RINGS.
5. PLACE BIDIM IN TRENCH AND BACKFILL WITH SOIL.

NOTE:
POSITION OF SEDIMENT FENCE AS DIRECTED BY SUPERINTENDENT. FENCE TO REMAIN IN PLACE UNTIL EXCAVATION IS BELOW FOOTPATH LEVEL. PROVIDE 2mx2m TURFED AREA ON DOWNSTREAM SIDE OF FENCE AT SURCHARGE OPENINGS.


STABILISE STOCKPILE SURFACE
2 (MAX)
1
EARTH BANK
FLOW
EXISTING SURFACE
SEDIMENT FENCE

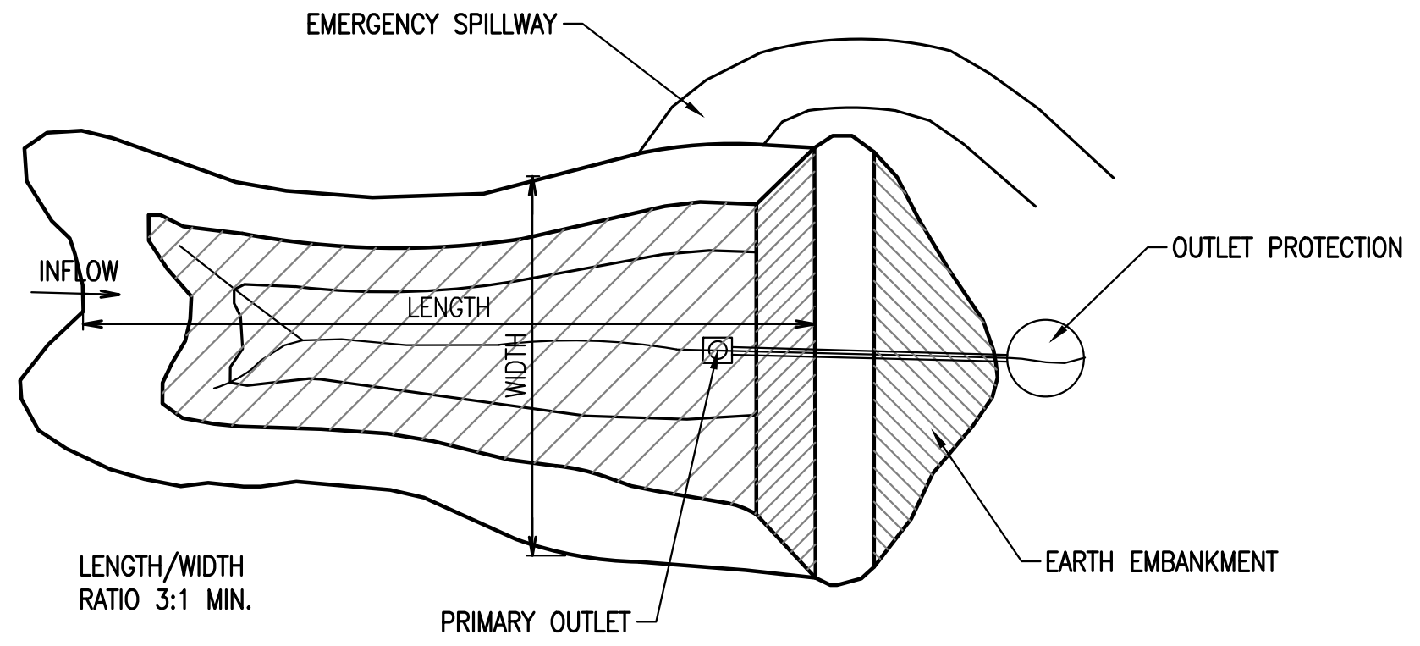
STOCKPILE
SCALE NTS

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 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 ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.

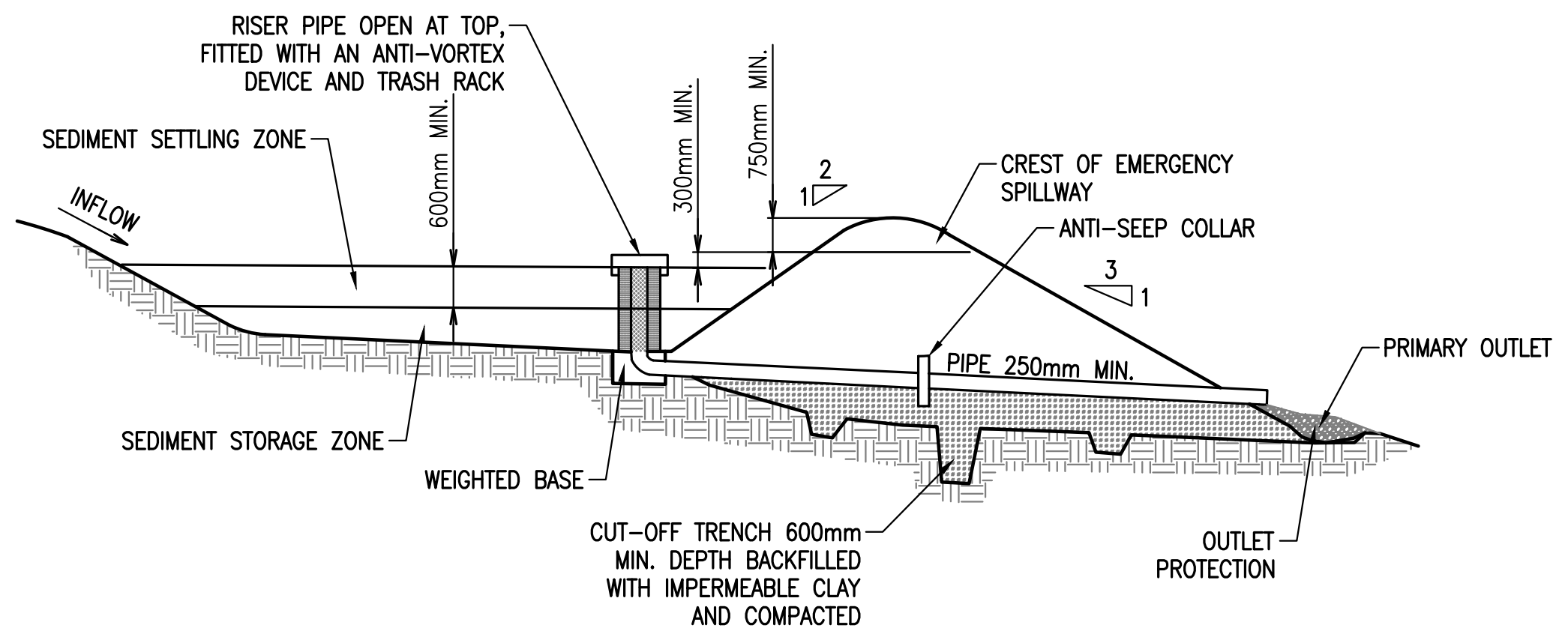

EXISTING TREE TO BE PROTECTED
HESSIAN OR CARPET UNDERLAY
STRAPPING
TIMBER PALING
2.5m (MIN)

INSTALLATION

1. WRAP THE TRUNK WITH HESSIAN OR CARPET UNDERLAY TO A HEIGHT OF 2.5m OR TO TREE'S FIRST LATERAL BRANCH (WHICHEVER IS GREATER).
2. AFFIX TIMBER PALINGS AROUND TREE WITH STRAPPING OR WIRE (NOT NAILS).


EMERGENCY SPILLWAY
INFLOW
LENGTH
WIDTH
OUTLET PROTECTION
EARTH EMBANKMENT
LENGTH/WIDTH RATIO 3:1 MIN.
PRIMARY OUTLET

SEDIMENT BASIN TYPICAL PLAN – TYPE C SOILS
SCALE NTS


RISER PIPE OPEN AT TOP, FITTED WITH AN ANTI–VORTEX DEVICE AND TRASH RACK
SEDIMENT SETTLING ZONE
INFLOW
600mm MIN.
300mm MIN.
750mm MIN.
2
1
CREST OF EMERGENCY SPILLWAY
ANTI–SEEP COLLAR
3
1
PIPE 250mm MIN.
PRIMARY OUTLET
SEDIMENT STORAGE ZONE
WEIGHTED BASE
CUT–OFF TRENCH 600mm MIN. DEPTH BACKFILLED WITH IMPERMEABLE CLAY AND COMPACTED
OUTLET PROTECTION

SEDIMENT BASIN CROSS SECTION
SCALE NTS

Rev	Revision Description	By	App	Date
P01	ISSUED FOR COORDINATION	NL	AA	12.09.25
P02	DRAFT SSDA MOD ISSUE	NL	AA	24.10.25

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& 40–64 YORKTOWN PARADE
MAROUBRA

Country (Traditional Owner)
BIDJIGAL

Title
EROSION AND SEDIMENT CONTROL DETAILS

Date: 09.09.25
Drawn: M.ARELLANO
Design Checker: N.LY
Scale at A0: NTS
Designer: N.LY
Approved: A.ANG
RBG Project No. 25213

NOT FOR CONSTRUCTION

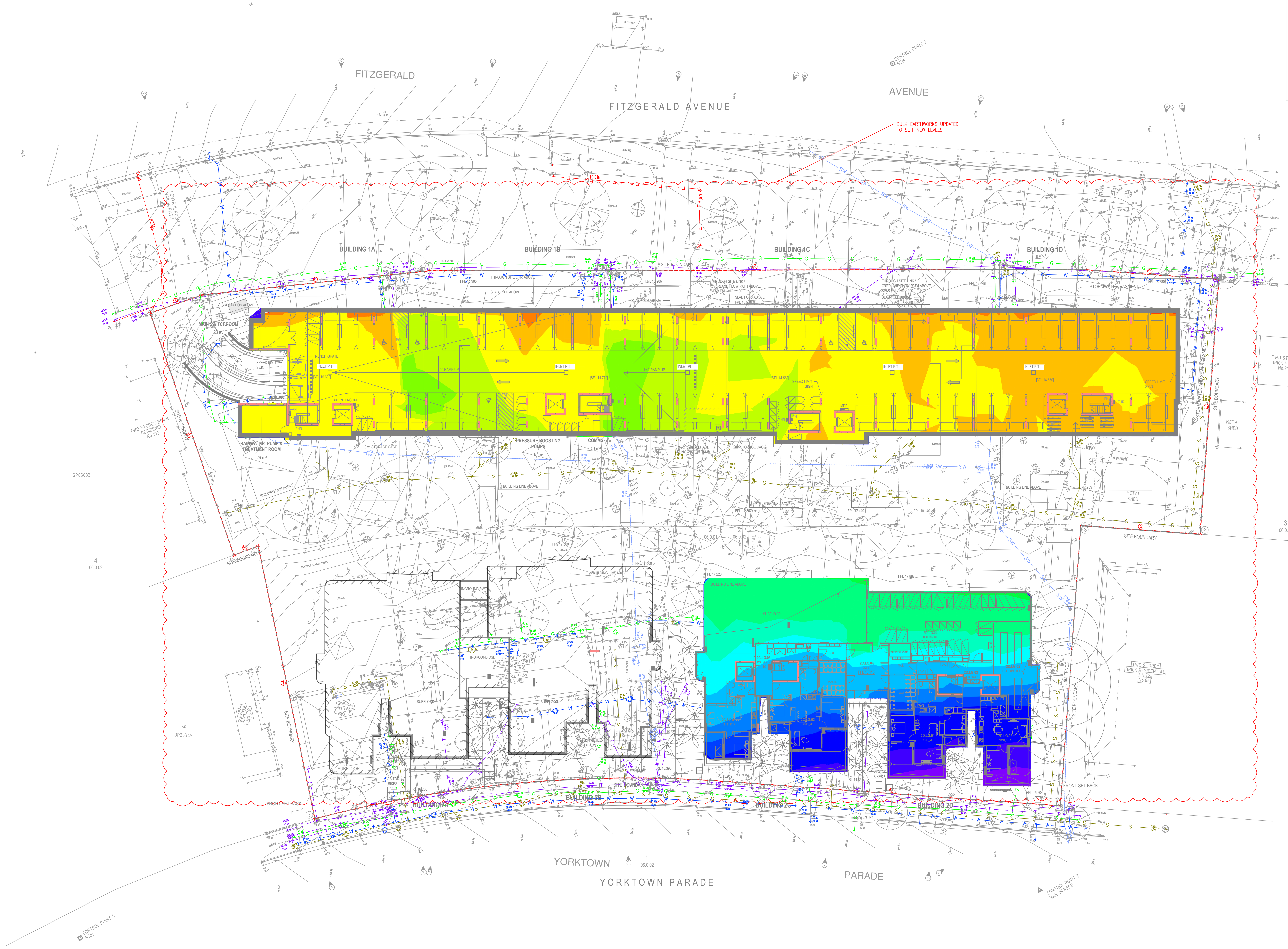
Drawing Number: 25213–RBG–XX–XX–CV–DR–81101
Revision: P02

BASEMENT/LOWER GROUND EXCAVATION EARTHWORKS ANALYSIS :

CUT VOLUME : 9550 m^3
FILL VOLUME: 10 m^3
NET VOLUME: 9540 m^3 (EXCESS CUT)

NOTE:

1) THE CUT AND FILL DEPTHS ARE DETERMINED BY DIRECTLY COMPARING THE EXISTING SURVEY SURFACE WITH THE BEL (ASSUMING 400MM BELOW BASEMENT FFL)
2) BULKING FACTORS, SEPARATION FOR EXISTING PAVEMENTS, TOP SOIL STRIPPING AND COMPACTION FACTORS, EXISTING ROCK SURFACE HAVE NOT BEEN INCLUDED IN THIS CUT AND FILL PLAN.
3) THIS CUT AND FILL ANALYSIS PROVIDES A HIGH-LEVEL ESTIMATE OF EARTHWORKS REQUIRED FOR BASEMENT/LOWER GROUND EXCAVATION.THICKNESS OF BASEMENT SLAB SHOULD BE FURTHER REVIEWED BEFORE CONSTRUCTION.


FITZGERALD
FITZGERALD AVENUE
AVENUE
CONTROL POINT 2 SSM
BULK EARTHWORKS UPDATED TO SUIT NEW LEVELS
BUILDING 1A
BUILDING 1B
BUILDING 1C
BUILDING 1D
MAIN SWITCHROOM
RAINWATER PUMP & TREATMENT ROOM
PRESSURE BOOSTING PUMPS
COMMS
TWO STOREY BRICK RESIDENCE No.193
SP85033
4
06.0.02
SITE BOUNDARY
50
DP36345
TWO STOREY BRICK HOUSE No.215
375B
DP36576
METAL SHED
AWNING
3
06.0.01
TWO STOREY BRICK RESIDENTIAL UNITS No.66
FRONT SET BACK
BUILDING 2A
BUILDING 2B
BUILDING 2C
BUILDING 2D
YORKTOWN
YORKTOWN PARADE
PARADE
1
06.0.02
CONTROL POINT 3 NAIL IN KERB
CONTROL POINT 4 SSM

SURFACE LEVEL DATA					
NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR	AREA	VOLUME
1	−5.00	−4.80	🟥	0m^2	0m^3
2	−4.80	−4.60	🟥	1m^2	0m^3
3	−4.60	−4.40	🟥	15m^2	1m^3
4	−4.40	−4.20	🟧	37m^2	6m^3
5	−4.20	−4.00	🟧	178m^2	29m^3
6	−4.00	−3.80	🟧	122m^2	59m^3
7	−3.80	−3.60	🟧	66m^2	77m^3
8	−3.60	−3.40	🟨	141m^2	95m^3
9	−3.40	−3.20	🟨	859m^2	179m^3
10	−3.20	−3.00	🟩	556m^2	362m^3
11	−3.00	−2.80	🟩	173m^2	405m^3
12	−2.80	−2.60	🟩	275m^2	471m^3
13	−2.60	−2.40	🟩	0m^2	484m^3
14	−2.40	−2.20	🟩	0m^2	484m^3
15	−2.20	−2.00	🟩	11m^2	485m^3
16	−2.00	−1.80	🟩	149m^2	500m^3
17	−1.80	−1.60	🟩	142m^2	531m^3
18	−1.60	−1.40	🟦	123m^2	557m^3
19	−1.40	−1.20	🟦	121m^2	582m^3
20	−1.20	−1.00	🟦	108m^2	605m^3
21	−1.00	−0.80	🟦	106m^2	626m^3
22	−0.80	−0.60	🟦	90m^2	646m^3
23	−0.60	−0.40	🟦	78m^2	663m^3
24	−0.40	−0.20	🟦	61m^2	677m^3
25	−0.20	0.00	🟦	87m^2	691m^3
26	0.00	0.20	🟪	60m^2	11m^3
27	0.20	0.40	🟪	27m^2	2m^3
28	0.40	0.60	🟪	0m^2	0m^3

Rev	Revision Description	By	App	Date
P01	DRAFT SSDA MOD ISSUE	NL	AA	24.10.25
P02	DRAFT SSDA MOD ISSUE	NL	AA	31.10.25
P03	DRAFT SSDA MOD ISSUE	NL	AA	19.11.25

Rev	Revision Description	By	App	Date

Scale 1 2 3 4 5 6 7 8

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NSW GOVERNMENT
Homes NSW

Project
YORKTOWN MAROUBRA
195-213 FITZGERALD AVENUE
& 40-64 YORKTOWN PARADE
MAROUBRA

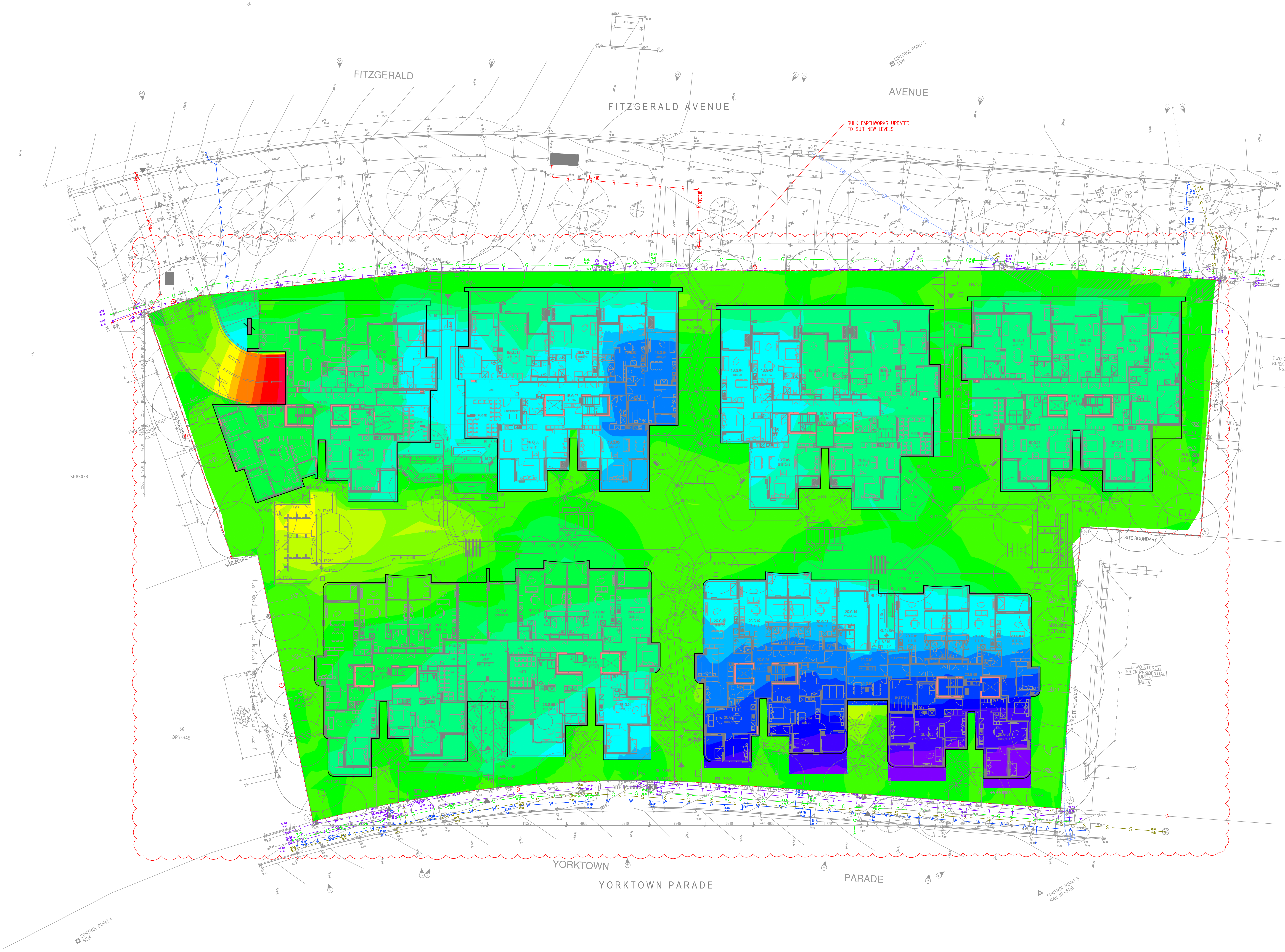
Country (Traditional Owner)
BIDJIGAL

Title
BULK EARTHWORKS – BASEMENT EXCAVATION

Date 19.11.25
Drawn M.ARELLANO
Design Checker N.LY
Scale at A0 NTS
Designer N.LY
Approved A.ANG
RBG Project No. 25213

NOT FOR CONSTRUCTION

Drawing Number 25213-RBG-XX-XX-CV-DR-82001
Revision P03



BULK EARTHWORKS ANALYSIS :

CUT VOLUME : 640 m^3
FILL VOLUME: 6640 m^3
NET VOLUME: 6000 m^3 (EXCESS FILL)

NOTE:
1) THE CUT AND FILL DEPTHS ARE DETERMINED BY DIRECTLY COMPARING THE EXISTING SURVEY SURFACE WITH THE PROPOSED SURFACE.
2) BASEMENT/LOWER GROUND EXCAVATION, BULKING FACTORS, SEPARATION FOR EXISTING PAVEMENTS, TOP SOIL STRIPPING AND COMPACTION FACTORS HAVE NOT BEEN INCLUDED IN THIS CUT AND FILL PLAN.
3) THIS CUT AND FILL ANALYSIS PROVIDES A HIGH–LEVEL ESTIMATE OF EARTHWORKS REQUIRED FOR THE PROPOSED SITE. IT DOES NOT ACCOUNT FOR LANDSCAPING, TRENCHING, BATTERS, WSUD CHAMBERS, OSD TANKS, SEDIMENT BASINS, RAINWATER TANKS OR RETAINING WALLS, AND SHOULD BE FURTHER REVIEWED BEFORE CONSTRUCTION.

NET EARTHWORKS ANALYSIS :

NET CUT VOLUME : 10190 m^3
NET FILL VOLUME: 6600 m^3
NET VOLUME: 3590 m^3 (EXCESS CUT)

NOTE:
1) THE NET CUT AND FILL DEPTHS ARE DETERMINED COMBINING THE BASEMENT EXCAVATION AND THE SURFACE BULK EARTHWORKS.
2) BULKING FACTORS, SEPARATION FOR EXISTING PAVEMENTS, TOP SOIL STRIPPING AND COMPACTION FACTORS, EXISTING ROCK SURFACE HAVE NOT BEEN INCLUDED IN THIS CUT AND FILL PLAN.
3) THIS CUT AND FILL ANALYSIS PROVIDES A HIGH–LEVEL ESTIMATE OF EARTHWORKS REQUIRED FOR BASEMENT/LOWER GROUND EXCAVATION. THICKNESS OF BASEMENT SLAB SHOULD BE FURTHER REVIEWED BEFORE CONSTRUCTION.

SURFACE LEVEL DATA

NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR	AREA	VOLUME
1	−3.00	−2.80	🟥	$0m^2$	$0m^3$
2	−2.80	−2.60	🟥	$6m^2$	$1m^3$
3	−2.60	−2.40	🟥	$7m^2$	$2m^3$
4	−2.40	−2.20	🟥	$7m^2$	$3m^3$
5	−2.20	−2.00	🟧	$7m^2$	$5m^3$
6	−2.00	−1.80	🟧	$7m^2$	$6m^3$
7	−1.80	−1.60	🟧	$7m^2$	$7m^3$
8	−1.60	−1.40	🟨	$7m^2$	$9m^3$
9	−1.40	−1.20	🟨	$6m^2$	$10m^3$
10	−1.20	−1.00	🟨	$28m^2$	$12m^3$
11	−1.00	−0.80	🟩	$53m^2$	$21m^3$
12	−0.80	−0.60	🟩	$80m^2$	$34m^3$
13	−0.60	−0.40	🟩	$182m^2$	$60m^3$
14	−0.40	−0.20	🟩	$607m^2$	$127m^3$
15	−0.20	0.00	🟩	$1439m^2$	$311m^3$
16	0.00	0.20	🟩	$1331m^2$	$1263m^3$
17	0.20	0.40	🟩	$535m^2$	$1102m^3$
18	0.40	0.60	🟩	$598m^2$	$990m^3$
19	0.60	0.80	🟩	$771m^2$	$857m^3$
20	0.80	1.00	🟩	$1324m^2$	$636m^3$
21	1.00	1.20	🟦	$450m^2$	$463m^3$
22	1.20	1.40	🟦	$673m^2$	$358m^3$
23	1.40	1.60	🟦	$367m^2$	$244m^3$
24	1.60	1.80	🟦	$207m^2$	$194m^3$
25	1.80	2.00	🟦	$245m^2$	$142m^3$
26	2.00	2.20	🟦	$107m^2$	$113m^3$
27	2.20	2.40	🟦	$106m^2$	$91m^3$
28	2.40	2.60	🟦	$92m^2$	$71m^3$
29	2.60	2.80	🟦	$78m^2$	$54m^3$
30	2.80	3.00	🟪	$65m^2$	$40m^3$
31	3.00	3.20	🟪	$85m^2$	$25m^3$
32	3.20	3.40	🟪	$58m^2$	$10m^3$
33	3.40	3.60	🟪	$25m^2$	$2m^3$

Rev	Revision Description	By	App	Date
P01	DRAFT SSDA MOD ISSUE	NL	AA	24.10.25
P02	DRAFT SSDA MOD ISSUE	NL	AA	31.10.25
P03	DRAFT SSDA MOD ISSUE	NL	AA	19.11.25

Rev	Revision Description	By	App	Date

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& 40–64 YORKTOWN PARADE
MAROUBRA

Country (Traditional Owner)
BIDJIGAL

Title
BULK EARTHWORKS PLAN – CUT AND FILL

Date 24.10.25	Drawn M.ARELLANO	Design Checker N.LY
Scale at A0 NTS	Designer N.LY	Approved A.ANG
		RBG Project No. **25213**

NOT FOR CONSTRUCTION

Drawing Number
25213–RBG–XX–XX–CV–DR–82011

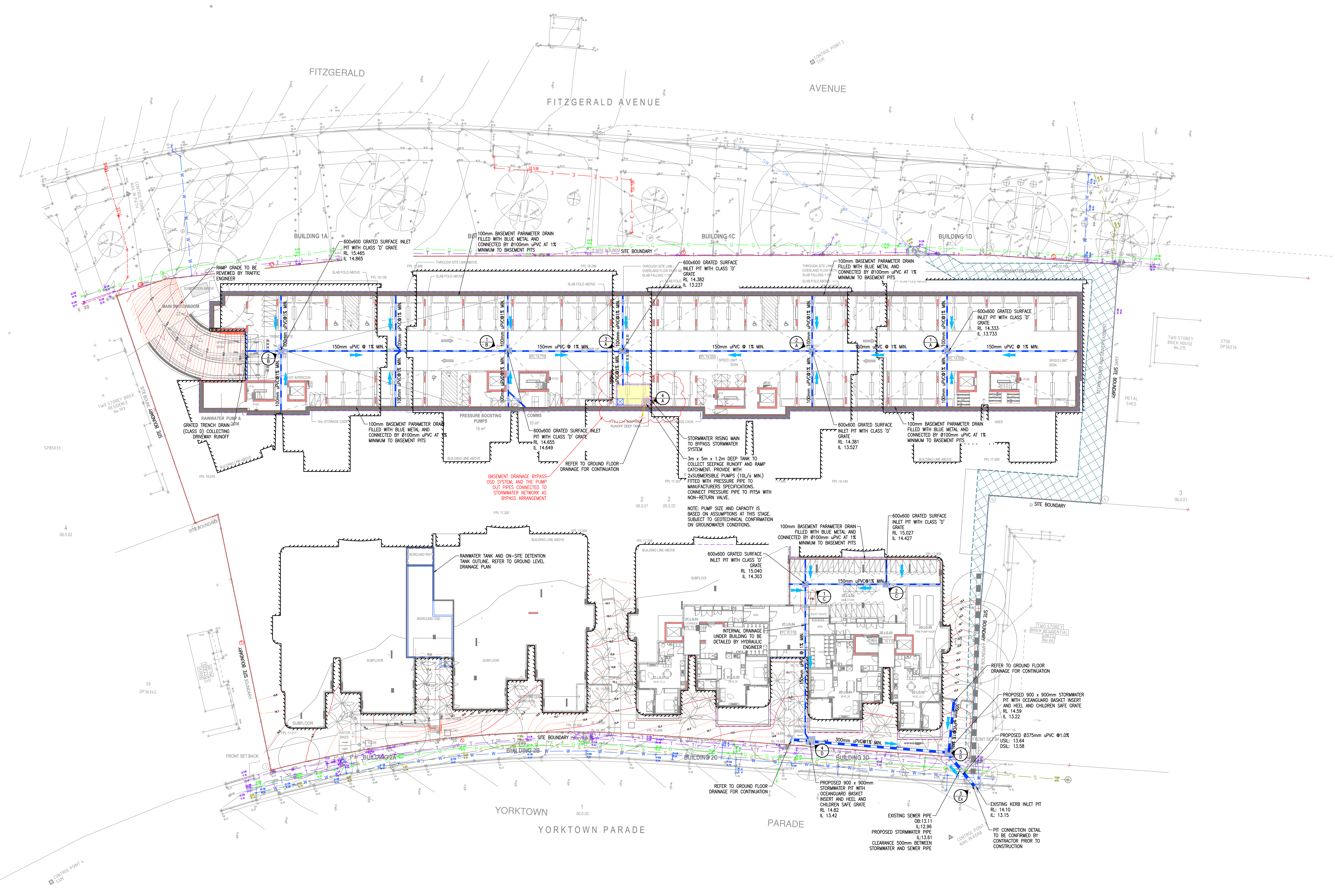
Revision
P03

LEGEND

▬ ▬ · ▬ ▬	SITE BOUNDARY
▤ ☒	PROPOSED STORMWATER PIT
▬ ▬ ▬	PROPOSED STORMWATER PIPE
▥	PROPOSED TRENCH GRATE
▤	PROPOSED BASEMENT STORMWATER PIT WITH SUBMERSIBLE PUMP
▬ ▬ ▬	PROPOSED PRESSURE PIPE TO GROUND LEVEL
▨	PROPOSED PARAMETER DRAIN
▤ ☒	EXISTING STORMWATER PIT
▬ ▬ ▬	EXISTING STORMWATER PIPE
— SW — SW —	STORMWATER PIPE TO BE DEMOLISHED
— 21.50 —	PROPOSED CONTOURS
➡	PROPOSED FLOW DIRECTION
▩	STORMWATER AND SEWER EASEMENT
— W — W —	EXISTING WATER LINE
— S — S —	EXISTING SEWER MAIN
— SW — SW —	EXISTING STORMWATER LINE
— G — G —	EXISTING GAS LINE
— E — E —	EXISTING ELECTRICAL LINE
— T — T —	EXISTING COMMUNICATION LINE

NOTES:

1. REFER TO STRUCTURAL DETAILS FOR THE VERTICAL DRAIN LINE DETAILS
2. ALL INGROUND SUBSOIL DRAINAGE ARE TO BE CONNECTED TO THE NEAREST STORMWATER PIT AT BASEMENT
3. GEOTECHNICAL ENGINEER TO CONFIRM SEEPAGE FLOW RATE TO THE BASEMENT


FITZGERALD
FITZGERALD AVENUE
AVENUE
CONTROL POINT 2 SSM
BUILDING 1A
BUILDING 1C
BUILDING 1D
600x600 GRATED SURFACE INLET PIT WITH CLASS 'D' GRATE RL 15.465 IL 14.865
100mm BASEMENT PARAMETER DRAIN FILLED WITH BLUE METAL AND CONNECTED BY Ø100mm uPVC AT 1% MINIMUM TO BASEMENT PITS
SITE BOUNDARY
RAMP GRADE TO BE REVIEWED BY TRAFFIC ENGINEER
SUBSTATION ABOVE
MAIN SWITCHROOM
THROUGH SITE LINK ABOVE
SLAB FOLD ABOVE
FPL 19.109
FPL 18.985
FPL 18.286
600x600 GRATED SURFACE INLET PIT WITH CLASS 'D' GRATE RL 14.382 IL 13.237
THROUGH SITE LINK / OVERLAND FLOW PATH ABOVE SLAB FALLING 1:100
STORMWATER EASMENT
FPL 18.780
600x600 GRATED SURFACE INLET PIT WITH CLASS 'D' GRATE RL 14.333 IL 13.733
150mm uPVC @ 1% MIN.
100mm uPVC@1% MIN.
SFL 14.770
SFL 14.550
SPEED LIMIT SIGN
TRENCH GRATE
EXIT INTERCOM
STORM WATER AND SEWER EASEMENT
SITE BOUNDARY
TWO STOREY BRICK HOUSE No.215
METAL SHED
TWO STOREY BRICK RESIDENCE No.193
RAINWATER PUMP & ROOM
GRATED TRENCH DRAIN (CLASS D) COLLECTING DRIVEWAY RUNOFF
3m² STORAGE CAGE
100mm BASEMENT PARAMETER DRAIN FILLED WITH BLUE METAL AND CONNECTED BY Ø100mm uPVC AT 1% MINIMUM TO BASEMENT PITS
PRESSURE BOOSTING PUMPS 15 m²
COMMS 10 m²
600x600 GRATED SURFACE INLET PIT WITH CLASS 'D' GRATE RL 14.655 IL 14.649
3 x 5 x 1.2m SEEPAGE RUNOFF DEEP TANK
REFER TO GROUND FLOOR DRAINAGE FOR CONTINUATION
BASEMENT DRAINAGE BYPASS OSD SYSTEM, AND THE PUMP OUT PIPES CONNECTED TO STORMWATER NETWORK AS BYPASS ARRANGEMENT
STORMWATER RISING MAIN TO BYPASS STORMWATER SYSTEM
3m x 5m x 1.2m DEEP TANK TO COLLECT SEEPAGE RUNOFF AND RAMP CATCHMENT. PROVIDE WITH 2xSUBMERSIBLE PUMPS (10L/s MIN.) FITTED WITH PRESSURE PIPE TO MANUFACTURERS SPECIFICATIONS. CONNECT PRESSURE PIPE TO PIT5A WITH NON–RETURN VALVE.
NOTE: PUMP SIZE AND CAPACITY IS BASED ON ASSUMPTIONS AT THIS STAGE. SUBJECT TO GEOTECHNICAL CONFIRMATION ON GROUNDWATER CONDITIONS.
2xSUBMERSIBLE PUMPS
2A STORAGE CAGE
600x600 GRATED SURFACE INLET PIT WITH CLASS 'D' GRATE RL 14.381 IL 13.527
100mm BASEMENT PARAMETER DRAIN FILLED WITH BLUE METAL AND CONNECTED BY Ø100mm uPVC AT 1% MINIMUM TO BASEMENT PITS
BUILDING LINE ABOVE
FPL 18.978
FPL 17.300
FPL 17.307
FPL 18.140
FPL 17.909
FPL 17.228
2 06.0.01
2 06.0.02
3 06.0.01
4 06.0.02
SP85033
50 DP36345
375B DP36576
100mm BASEMENT PARAMETER DRAIN FILLED WITH BLUE METAL AND CONNECTED BY Ø100mm uPVC AT 1% MINIMUM TO BASEMENT PITS
600x600 GRATED SURFACE INLET PIT WITH CLASS 'D' GRATE RL 15.027 IL 14.427
600x600 GRATED SURFACE INLET PIT WITH CLASS 'D' GRATE RL 15.040 IL 14.303
150mm uPVC@1% MIN.
RAINWATER TANK AND ON–SITE DETENTION TANK OUTLINE. REFER TO GROUND LEVEL DRAINAGE PLAN
INGROUND RWT
INGROUND OSD
SUBFLOOR
BRICK COTTAGE No.38
WATER METER CUPBOARD
VISITOR BIKES
2D.LG.04 BIKE STORE
BULKY WASTE
MAIL
2C.LG.03 CORRIDOR
2C.LG.04 LOBBY FFL 15.115
INTERNAL DRAINAGE UNDER BUILDING TO BE DETAILED BY HYDRAULIC ENGINEER
2D.LG.03 CORRIDOR
2D.LG.05 FIRE PUMP ROOM
2C.LG.01
2C.LG.02
2D.LG.01
2D.LG.02
150mm uPVC @ 1% MIN.
300mm uPVC@1% MIN.
TWO STOREY BRICK RESIDENTIAL UNITS No.66
REFER TO GROUND FLOOR DRAINAGE FOR CONTINUATION
PROPOSED 900 x 900mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 14.59 IL 13.22
PROPOSED Ø375mm uPVC @1.0% USIL: 13.64 DSIL: 13.58
FRONT SET BACK
BUILDING 2A
BUILDING 2B
BUILDING 2C
BUILDING 2D
ENTRY
SITE BOUNDARY
REFER TO GROUND FLOOR DRAINAGE FOR CONTINUATION
PROPOSED 900 x 900mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 14.82 IL 13.42
EXISTING SEWER PIPE OB:13.11 IL:12.96 PROPOSED STORMWATER PIPE IL:13.61 CLEARANCE 500mm BETWEEN STORMWATER AND SEWER PIPE
EXISTING KERB INLET PIT RL: 14.10 IL: 13.15
PIT CONNECTION DETAIL TO BE CONFIRMED BY CONTRACTOR PRIOR TO CONSTRUCTION
CONTROL POINT 3 NAIL IN KERB
YORKTOWN
YORKTOWN PARADE
PARADE
1 06.0.02
CONTROL POINT 4 SSM
1 B
2 B
3 A
2 A
1 A
4 A
1 C
2 C
4 D
5 D
3 Ex

SCALE 1:200
2 0 2 4 6 8m

Rev	Revision Description	By	App	Date
P01	ISSUED FOR COORDINATION	NL	AA	12.09.25
P02	DRAFT SSDA MOD ISSUE	NL	AA	24.10.25
P03	DRAFT SSDA MOD ISSUE	NL	AA	31.10.25
P04	DRAFT SSDA MOD ISSUE	NL	AA	19.11.25

Rev	Revision Description	By	App	Date

Scale 1 2 3 4 5 6 7 8

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& 40–64 YORKTOWN PARADE
MAROUBRA

Country (Traditional Owner)
BIDJIGAL

Title
BASEMENT AND LOWER GROUND DRAINAGE PLAN

Date	Drawn	Design Checker
19.11.25	M.ARELLANO	N.LY
Scale at A0	Designer	Approved
1:200	N.LY	A.ANG

RBG Project No.
25213

NOT FOR CONSTRUCTION

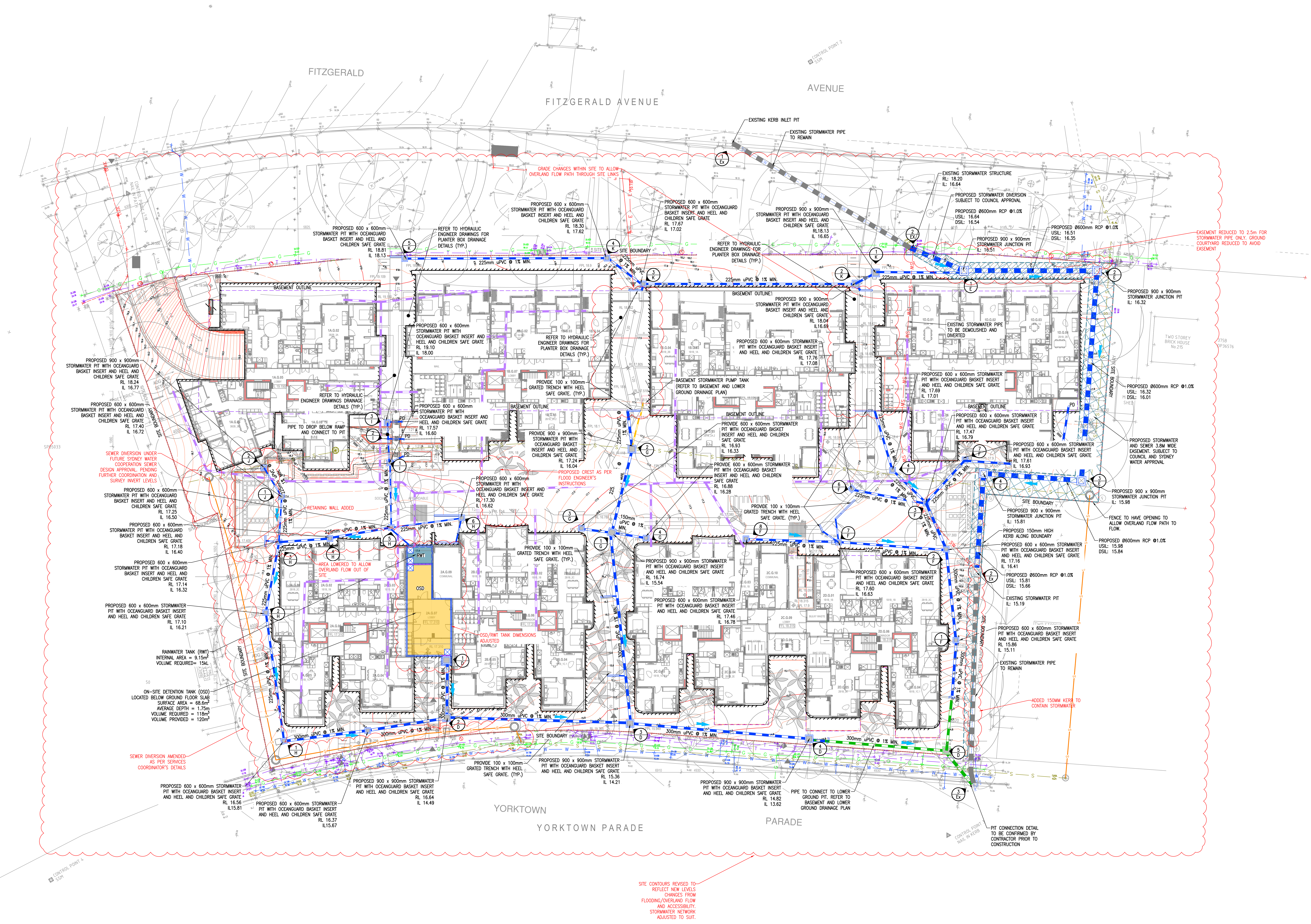
Drawing Number	Revision
25213-RBG-XX-XX-CV-DR-87001	P04

LEGEND

▬ ▬ · ▬ ▬	SITE BOUNDARY
▨	PROPOSED BUILDING/STRUCTURE
▭	BASEMENT EXTENT
DP ○	PROPOSED DOWNPIPE
▤ ☒	PROPOSED STORMWATER PIT
▬ ▬ ▬	PROPOSED STORMWATER PIPE
▬ ▬ ▬	PROPOSED ROOF DRAINAGE TO RWT. REFER TO HYDRAULIC DRAWINGS FOR DETAILS
▬ ▬ ▬	PROPOSED PRESSURE PIPE FROM BASEMENT PIT
▥	PROPOSED TRENCH GRATE
▤	PROPOSED BASEMENT STORMWATER PIT
▤	PROPOSED LOWER GROUND STORMWATER PIT
▬ ▬ ▬	PROPOSED STORMWATER PIPE TO LOWER GROUND
▤ ☒	EXISTING STORMWATER PIT
▬ ▬ ▬	EXISTING STORMWATER PIPE
— SW — SW —	STORMWATER PIPE TO BE DEMOLISHED
— 21.50 —	PROPOSED CONTOURS
➤	PROPOSED FLOW DIRECTION
▩	STORMWATER AND SEWER EASEMENT
— S —	PROPOSED WATER LINE (BY OTHERS)
— W — W —	EXISTING WATER LINE
— S — S —	EXISTING SEWER MAIN
— SW — SW —	EXISTING STORMWATER LINE
— G — G —	EXISTING GAS LINE
— E — E —	EXISTING ELECTRICAL LINE
— T — T —	EXISTING COMMUNICATION LINE

NOTES:

1. ALL EXISTING UNDERGROUND UTILITIES WITHIN THE SITE SHALL BE CAPPED AND DISUSED. REFER TO RELEVANT SERVICES CONSULTANTS REPORTS FOR PROPOSED UTILITIES.
2. SEWER DIVERSION SUBJECT TO SYDNEY WATER APPROVAL
3. ALL SURFACE INLET PIT TO BE FITTED WITH OCEANGUARD BASKET OR EQUIVALENT.
4. DOWNPIPE LOCATION TO RWT ARE INDICATIVE AND TO BE COORDINATED WITH HYDRAULICS ENGINEER.
5. DOWNPIPE FROM BALCONY TO BE COORDINATED WITH HYDRAULIC ENGINEER AND DOCUMENTED.


FITZGERALD
FITZGERALD AVENUE
AVENUE
CONTROL POINT 2 SSM
EXISTING KERB INLET PIT
EXISTING STORMWATER PIPE TO REMAIN
GRADE CHANGES WITHIN SITE TO ALLOW OVERLAND FLOW PATH THROUGH SITE LINKS
EXISTING STORMWATER STRUCTURE RL: 18.20 IL: 16.64
PROPOSED STORMWATER DIVERSION SUBJECT TO COUNCIL APPROVAL
PROPOSED Ø600mm RCP @1.0% USIL: 16.64 DSIL: 16.54
PROPOSED 900 x 900mm STORMWATER JUNCTION PIT IL: 16.51
PROPOSED Ø600mm RCP @1.0% USIL: 16.51 DSIL: 16.35
EASEMENT REDUCED TO 2.5m FOR STORMWATER PIPE ONLY. GROUND COURTYARD REDUCED TO AVOID EASEMENT
PROPOSED 900 x 900mm STORMWATER JUNCTION PIT IL: 16.32
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 18.30 IL 17.62
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.67 IL 17.02
PROPOSED 900 x 900mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL18.13 IL 16.65
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 18.81 IL 18.13
REFER TO HYDRAULIC ENGINEER DRAWINGS FOR PLANTER BOX DRAINAGE DETAILS (TYP.)
REFER TO HYDRAULIC ENGINEER DRAWINGS FOR PLANTER BOX DRAINAGE DETAILS (TYP.)
SITE BOUNDARY
225mm uPVC @ 1% MIN.
BASEMENT OUTLINE
PROPOSED 900 x 900mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 18.04 IL16.69
EXISTING STORMWATER PIPE TO BE DEMOLISHED AND DIVERTED
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 19.10 IL 18.00
REFER TO HYDRAULIC ENGINEER DRAWINGS FOR PLANTER BOX DRAINAGE DETAILS (TYP.)
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.76 IL 17.08
PROPOSED 900 x 900mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 18.24 IL 16.77
PROVIDE 100 x 100mm GRATED TRENCH WITH HEEL SAFE GRATE. (TYP.)
BASEMENT STORMWATER PUMP TANK (REFER TO BASEMENT AND LOWER GROUND DRAINAGE PLAN)
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.69 IL 17.01
TWO STOREY BRICK HOUSE No.215
375B DP36576
PROPOSED Ø600mm RCP @1.0% USIL: 16.32 DSIL: 16.01
REFER TO HYDRAULIC ENGINEER DRAWINGS DRAINAGE DETAILS (TYP.)
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.40 IL 16.72
PIPE TO DROP BELOW RAMP AND CONNECT TO PIT
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.57 IL 16.60
PROVIDE 900 x 900mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.24 IL 16.04
PROVIDE 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 16.93 IL 16.33
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.47 IL 16.79
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.61 IL 16.93
PROPOSED STORMWATER AND SEWER 3.8M WIDE EASEMENT. SUBJECT TO COUNCIL AND SYDNEY WATER APPROVAL
SP85033
SEWER DIVERSION UNDER FUTURE SYDNEY WATER COOPERATION SEWER DESIGN APPROVAL. PENDING FURTHER COORDINATION AND SURVEY INVERT LEVELS
PROPOSED CREST AS PER FLOOD ENGINEER'S INSTRUCTIONS
PROVIDE 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 16.88 IL 16.28
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.30 IL 16.62
PROPOSED 900 x 900mm STORMWATER JUNCTION PIT IL: 15.98
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.25 IL 16.50
RETAINING WALL ADDED
PROPOSED 900 x 900mm STORMWATER JUNCTION PIT IL: 15.81
FENCE TO HAVE OPENING TO ALLOW OVERLAND FLOW PATH TO FLOW.
150mm uPVC @ 1% MIN.
PROPOSED 150mm HIGH KERB ALONG BOUNDARY
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.18 IL 16.40
PROPOSED Ø600mm RCP @1.0% USIL: 15.98 DSIL: 15.84
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.16 IL 16.41
AREA LOWERED TO ALLOW OVERLAND FLOW OUT OF SITE
RWT
OSD
PROPOSED 900 x 900mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 16.74 IL 15.54
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.60 IL 16.63
PROPOSED Ø600mm RCP @1.0% USIL: 15.81 DSIL: 15.66
EXISTING STORMWATER PIT IL: 15.19
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.14 IL 16.32
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.46 IL 16.78
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 17.10 IL 16.21
OSD/RWT TANK DIMENSIONS ADJUSTED
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 15.86 IL 15.11
RAINWATER TANK (RWT) INTERNAL AREA = 9.15m² VOLUME REQUIRED= 15kL
EXISTING STORMWATER PIPE TO REMAIN
SITE BOUNDARY
300mm uPVC @ 1% MIN.
ON-SITE DETENTION TANK (OSD) LOCATED BELOW GROUND FLOOR SLAB SURFACE AREA = 68.6m² AVERAGE DEPTH = 1.75m VOLUME REQUIRED = 118m³ VOLUME PROVIDED = 120m³
ADDED 150MM KERB TO CONTAIN STORMWATER
SEWER DIVERSION AMENDED AS PER SERVICES COORDINATOR'S DETAILS
PROVIDE 100 x 100mm GRATED TRENCH WITH HEEL SAFE GRATE. (TYP.)
PROPOSED 900 x 900mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 15.36 IL 14.21
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 16.56 IL15.81
PROPOSED 900 x 900mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 16.64 IL 14.49
PROPOSED 600 x 600mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 16.37 IL15.67
PROPOSED 900 x 900mm STORMWATER PIT WITH OCEANGUARD BASKET INSERT AND HEEL AND CHILDREN SAFE GRATE RL 14.82 IL 13.62
PIPE TO CONNECT TO LOWER GROUND PIT. REFER TO BASEMENT AND LOWER GROUND DRAINAGE PLAN
PIT CONNECTION DETAIL TO BE CONFIRMED BY CONTRACTOR PRIOR TO CONSTRUCTION
CONTROL POINT NAIL IN KERB
YORKTOWN
YORKTOWN PARADE
PARADE
CONTROL POINT 4 SSM
SITE CONTOURS REVISED TO REFLECT NEW LEVELS CHANGES FROM FLOODING/OVERLAND FLOW AND ACCESSIBILITY. STORMWATER NETWORK ADJUSTED TO SUIT.

SCALE 1:200
0 2 4 6 8m

Rev	Revision Description	By	App	Date
P01	ISSUED FOR COORDINATION	NL	AA	12.09.25
P02	ISSUED FOR COORDINATION	NL	AA	24.09.25
P03	DRAFT SSDA MOD ISSUE	NL	AA	31.10.25
P04	DRAFT SSDA MOD ISSUE	NL	AA	19.11.25

Rev	Revision Description	By	App	Date

Scale 1 2 3 4 5 6 7 8

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Client
bridge
NSW GOVERNMENT
Homes NSW

Project
YORKTOWN MAROUBRA
195–213 FITZGERALD AVENUE
& 40–64 YORKTOWN PARADE
MAROUBRA

Country (Traditional Owner)
BIDJIGAL

Title
GROUND FLOOR DRAINAGE PLAN

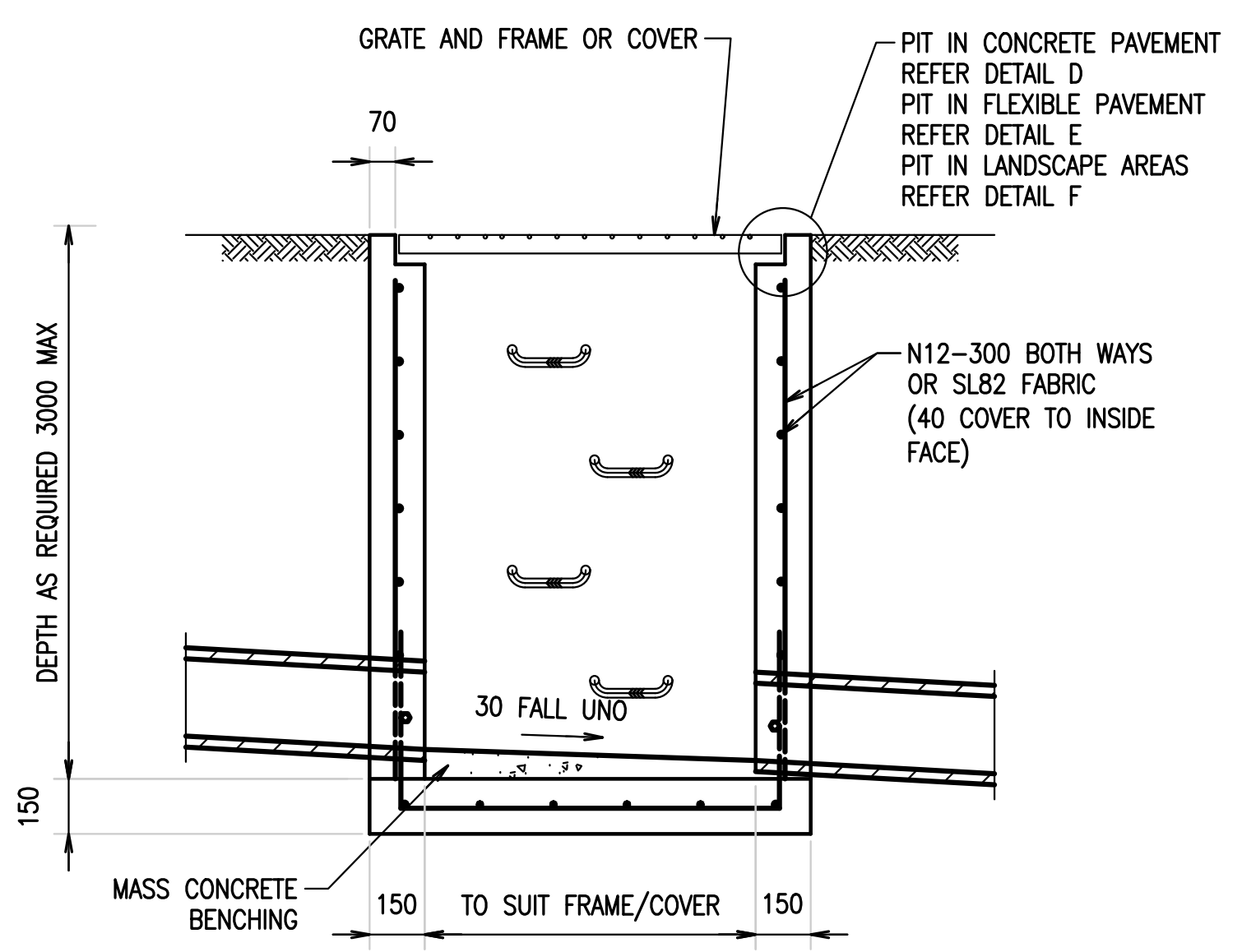
Date	Drawn	Design Checker
31.10.25	M.ARELLANO	N.LY
Scale at A0	Designer	Approved
1:200	N.LY	A.ANG

RBG Project No.
25213

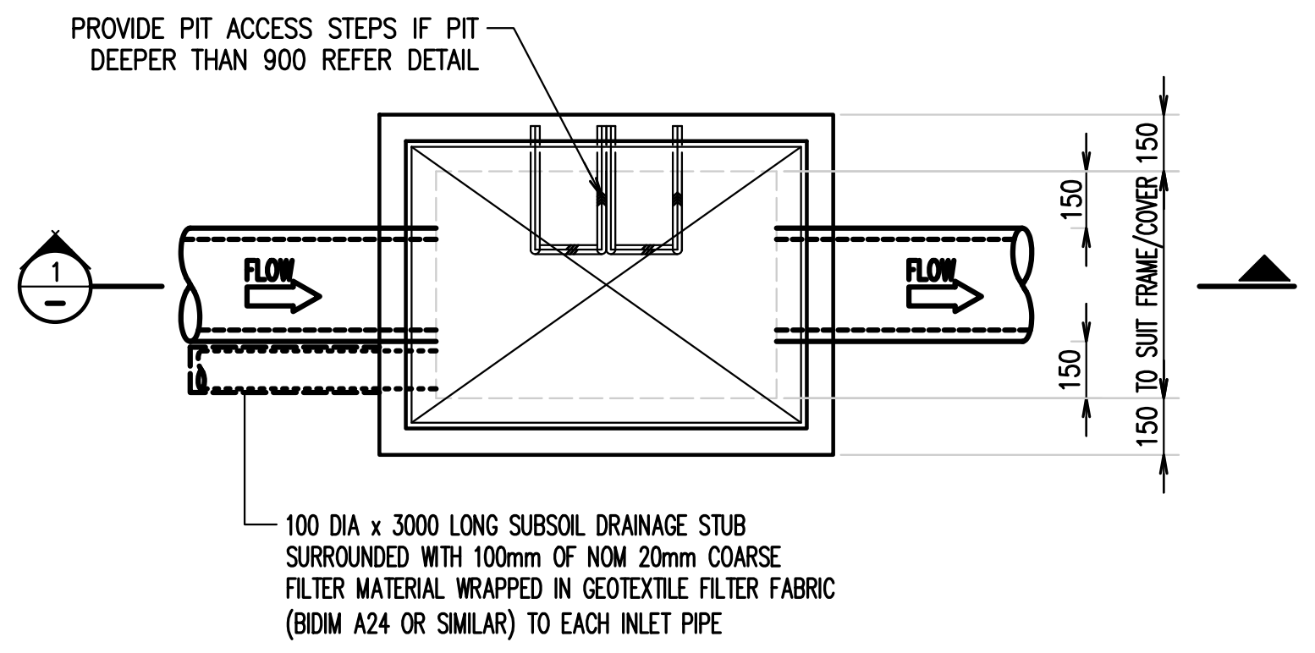
NOT FOR CONSTRUCTION

Drawing Number
25213–RBG–XX–XX–CV–DR–87011

Revision
P04

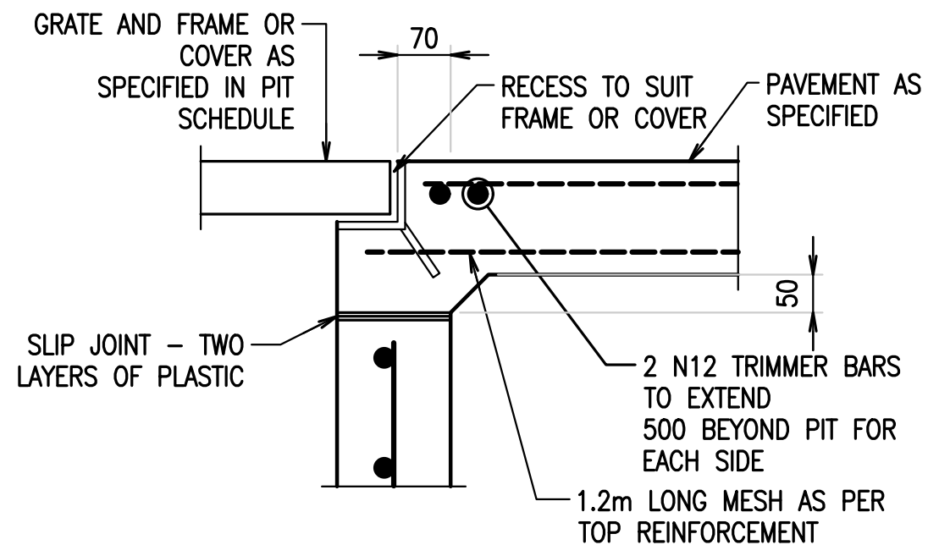

GRATE AND FRAME OR COVER
PIT IN CONCRETE PAVEMENT REFER DETAIL D
PIT IN FLEXIBLE PAVEMENT REFER DETAIL E
PIT IN LANDSCAPE AREAS REFER DETAIL F
70
N12–300 BOTH WAYS OR SL82 FABRIC (40 COVER TO INSIDE FACE)
DEPTH AS REQUIRED 3000 MAX
30 FALL UNO
150
MASS CONCRETE BENCHING
150
TO SUIT FRAME/COVER
150

SECTION ① –
SCALE 1:20

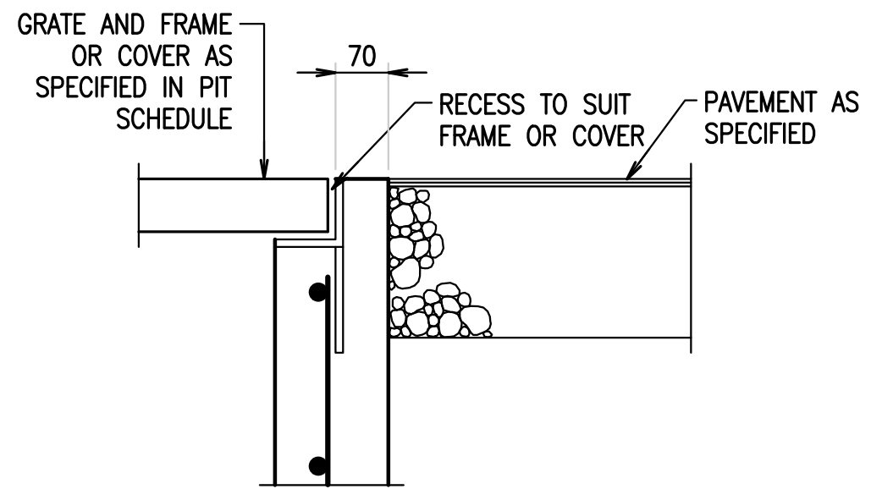

PROVIDE PIT ACCESS STEPS IF PIT DEEPER THAN 900 REFER DETAIL
1
FLOW
FLOW
150
150
150 TO SUIT FRAME/COVER 150
100 DIA x 3000 LONG SUBSOIL DRAINAGE STUB SURROUNDED WITH 100mm OF NOM 20mm COARSE FILTER MATERIAL WRAPPED IN GEOTEXTILE FILTER FABRIC (BIDIM A24 OR SIMILAR) TO EACH INLET PIPE

PLAN
SCALE 1:20

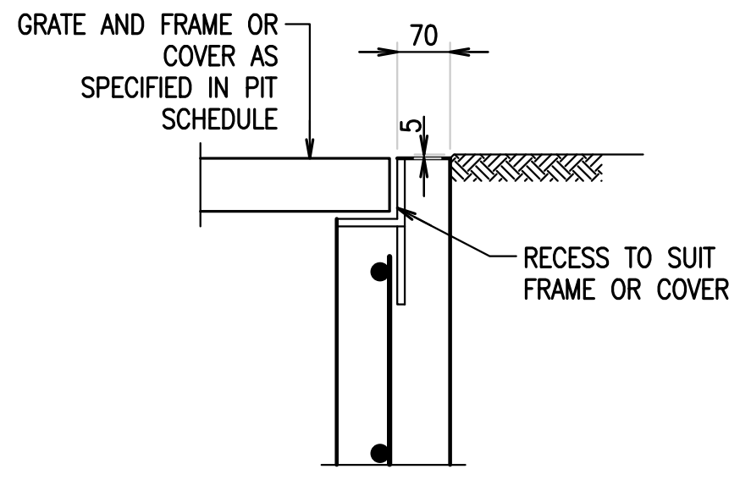
TYPICAL PIT DETAIL


GRATE AND FRAME OR COVER AS SPECIFIED IN PIT SCHEDULE
70
RECESS TO SUIT FRAME OR COVER
PAVEMENT AS SPECIFIED
50
SLIP JOINT – TWO LAYERS OF PLASTIC
2 N12 TRIMMER BARS TO EXTEND 500 BEYOND PIT FOR EACH SIDE
1.2m LONG MESH AS PER TOP REINFORCEMENT

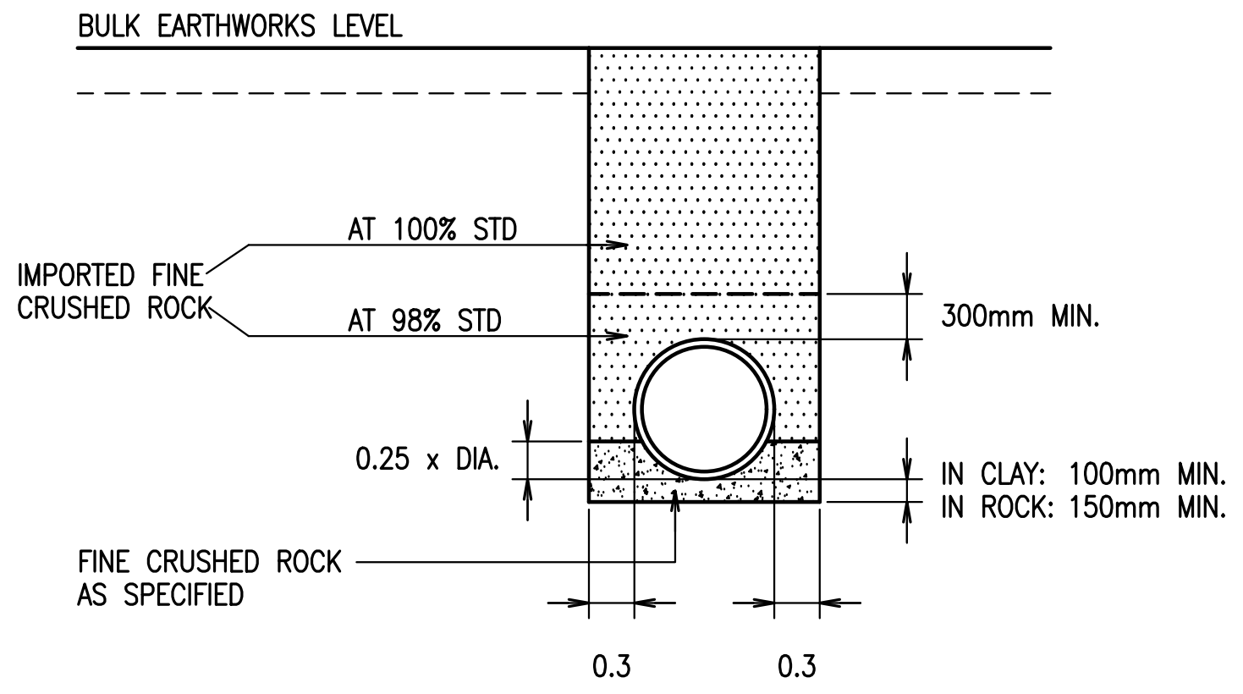
DETAIL D
SCALE 1:10


GRATE AND FRAME OR COVER AS SPECIFIED IN PIT SCHEDULE
70
RECESS TO SUIT FRAME OR COVER
PAVEMENT AS SPECIFIED

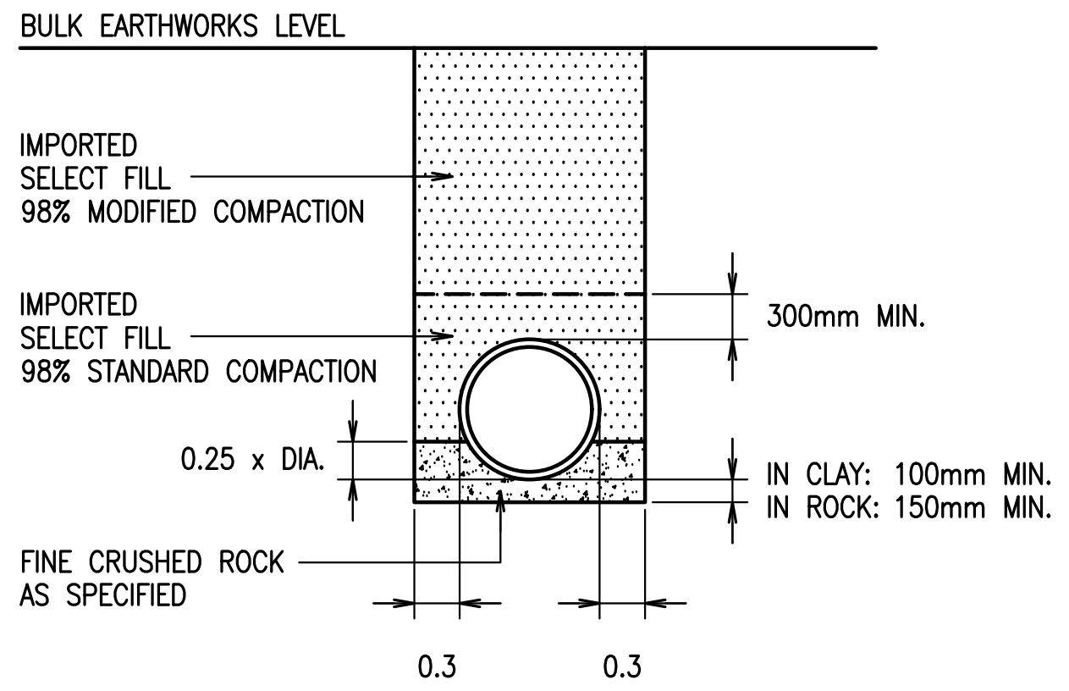
DETAIL E
SCALE 1:10


GRATE AND FRAME OR COVER AS SPECIFIED IN PIT SCHEDULE
70
5
RECESS TO SUIT FRAME OR COVER

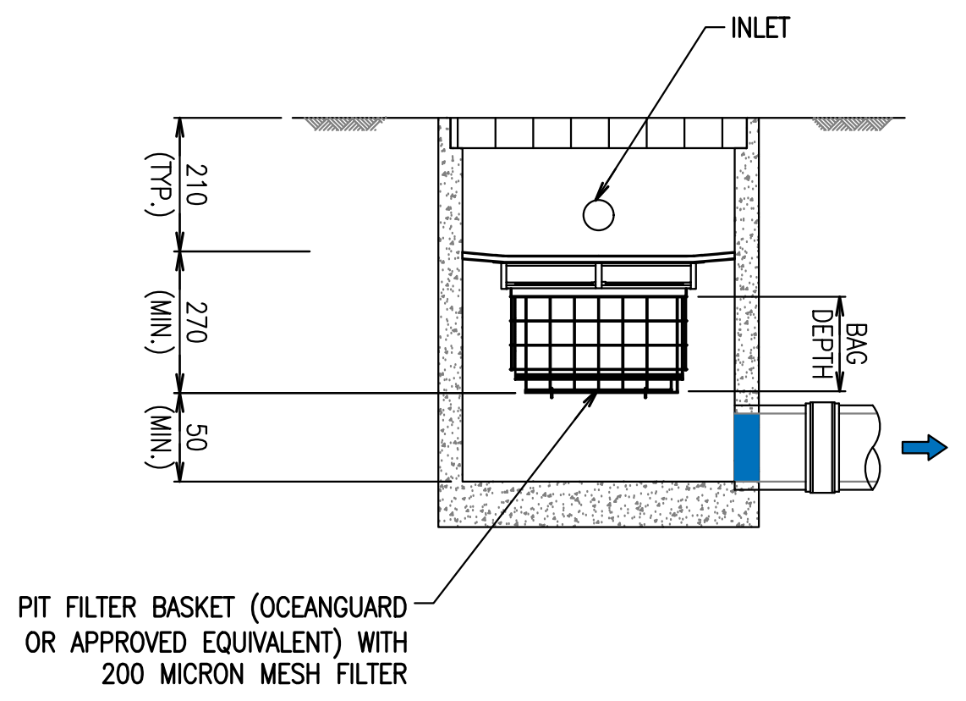
DETAIL F
SCALE 1:10


BULK EARTHWORKS LEVEL
AT 100% STD
IMPORTED FINE CRUSHED ROCK
AT 98% STD
300mm MIN.
0.25 x DIA.
IN CLAY: 100mm MIN.
IN ROCK: 150mm MIN.
FINE CRUSHED ROCK AS SPECIFIED
0.3
0.3

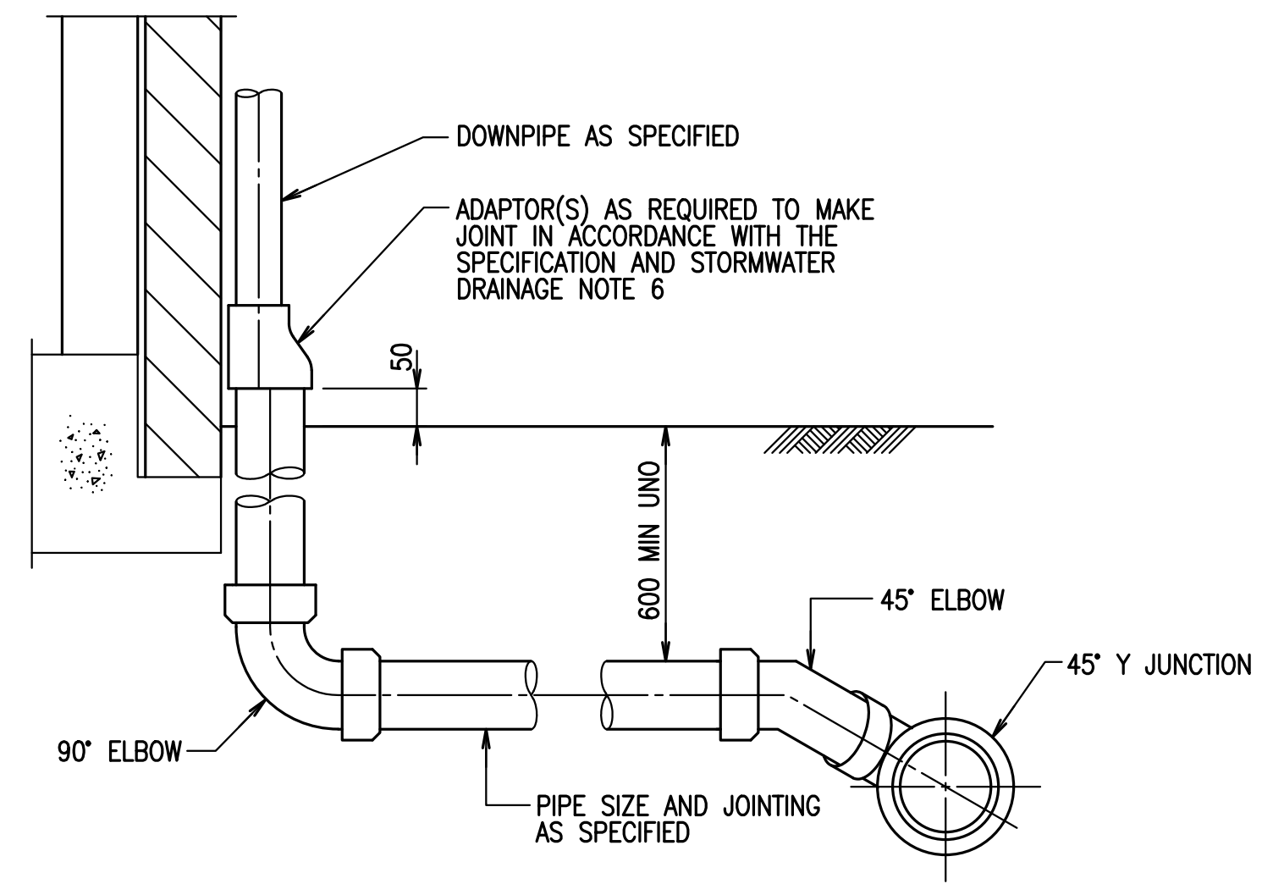
TRENCH DETAIL – TYPE D1
NTS
LOCATION: UNDER PAVED AREAS


BULK EARTHWORKS LEVEL
IMPORTED SELECT FILL 98% MODIFIED COMPACTION
IMPORTED SELECT FILL 98% STANDARD COMPACTION
300mm MIN.
0.25 x DIA.
IN CLAY: 100mm MIN.
IN ROCK: 150mm MIN.
FINE CRUSHED ROCK AS SPECIFIED
0.3
0.3

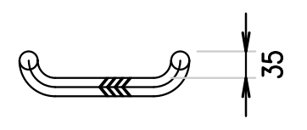
TRENCH DETAIL – TYPE D2
NTS
LOCATION: UNDER LANDSCAPED AREAS


INLET
210 (TYP.)
270 (MIN.)
50 (MIN.)
BAG DEPTH
PIT FILTER BASKET (OCEANGUARD OR APPROVED EQUIVALENT) WITH 200 MICRON MESH FILTER

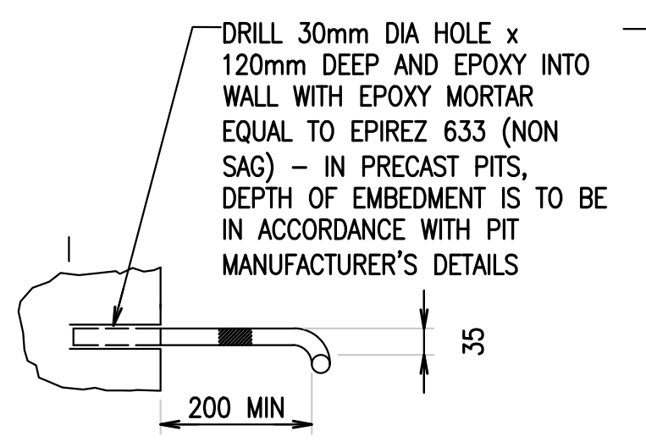
INLET PIT DETAIL
SCALE NTS


DOWNPIPE AS SPECIFIED
ADAPTOR(S) AS REQUIRED TO MAKE JOINT IN ACCORDANCE WITH THE SPECIFICATION AND STORMWATER DRAINAGE NOTE 6
50
600 MIN UNO
45° ELBOW
45° Y JUNCTION
90° ELBOW
PIPE SIZE AND JOINTING AS SPECIFIED

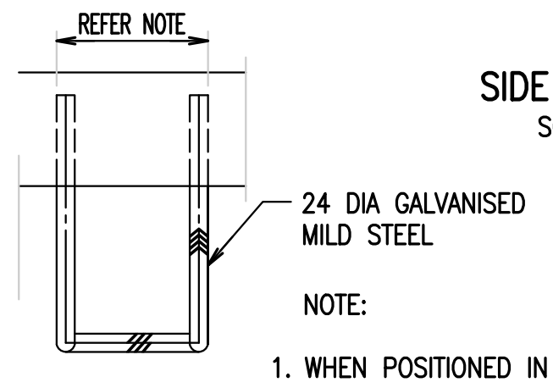
DOWNPIPE CONNECTION TO uPVC STORMWATER
SCALE 1:10



PLAN
SCALE 1:10


DRILL 30mm DIA HOLE x 120mm DEEP AND EPOXY INTO WALL WITH EPOXY MORTAR EQUAL TO EPIREZ 633 (NON SAG) – IN PRECAST PITS, DEPTH OF EMBEDMENT IS TO BE IN ACCORDANCE WITH PIT MANUFACTURER'S DETAILS
35
200 MIN

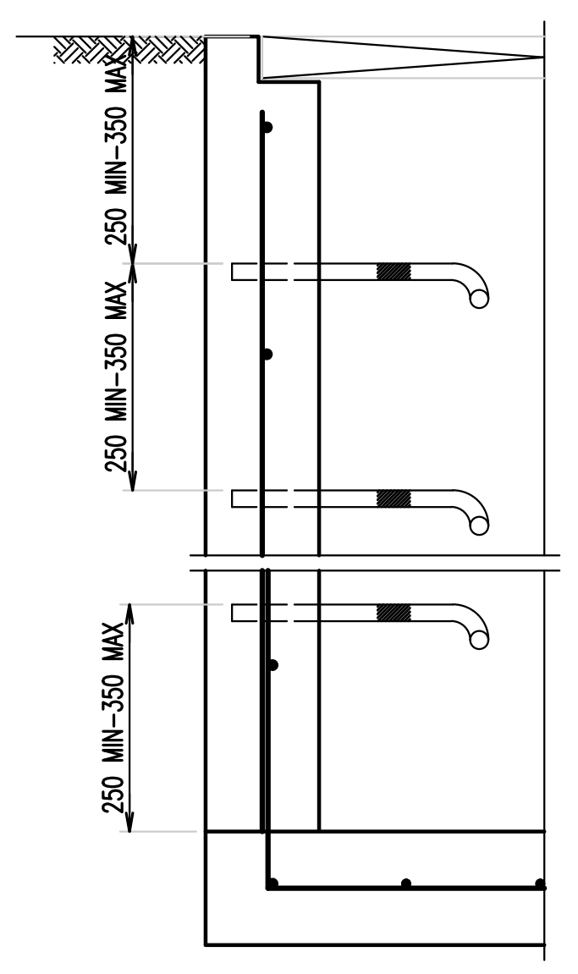
SIDE ELEVATION
SCALE 1:10


REFER NOTE
24 DIA GALVANISED MILD STEEL

PLAN
SCALE 1:10

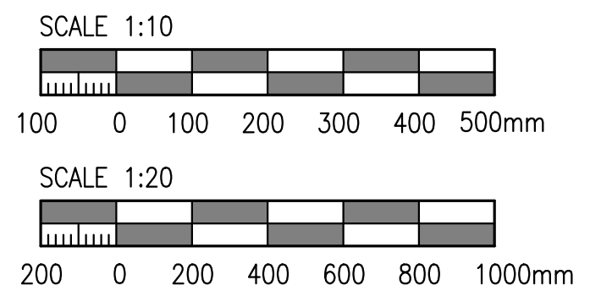
NOTE:

1. WHEN POSITIONED IN STRAIGHT ALIGNMENT, STEP
2. TO BE 400 WIDE.
   STAGGERED STEPS TO BE 200 WIDE, STEPS TO BE
3. STAGGERED 200.
   CENTRE TO CENTRE FOR ALTERNATE STEPS.
   SPACING OF STEPS TO BE UNIFORM TO WITHIN
   ±8mm IN EACH PIT.


250 MIN–350 MAX
250 MIN–350 MAX
250 MIN–350 MAX

SECTION
SCALE 1:10

PIT ACCESS STEP DETAIL
SCALE 1:10


SCALE 1:10
100 0 100 200 300 400 500mm
SCALE 1:20
200 0 200 400 600 800 1000mm

Rev	Revision Description	By	App	Date
P01	ISSUED FOR COORDINATION	NL	AA	12.09.25
P02	DRAFT SSDA MOD ISSUE	NL	AA	24.10.25

Rev	Revision Description	By	App	Date

Scale	1	2	3	4	5	6	7	8

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Homes NSW

Project
YORKTOWN MAROUBRA
195–213 FITZGERALD AVENUE
& 40–64 YORKTOWN PARADE
MAROUBRA

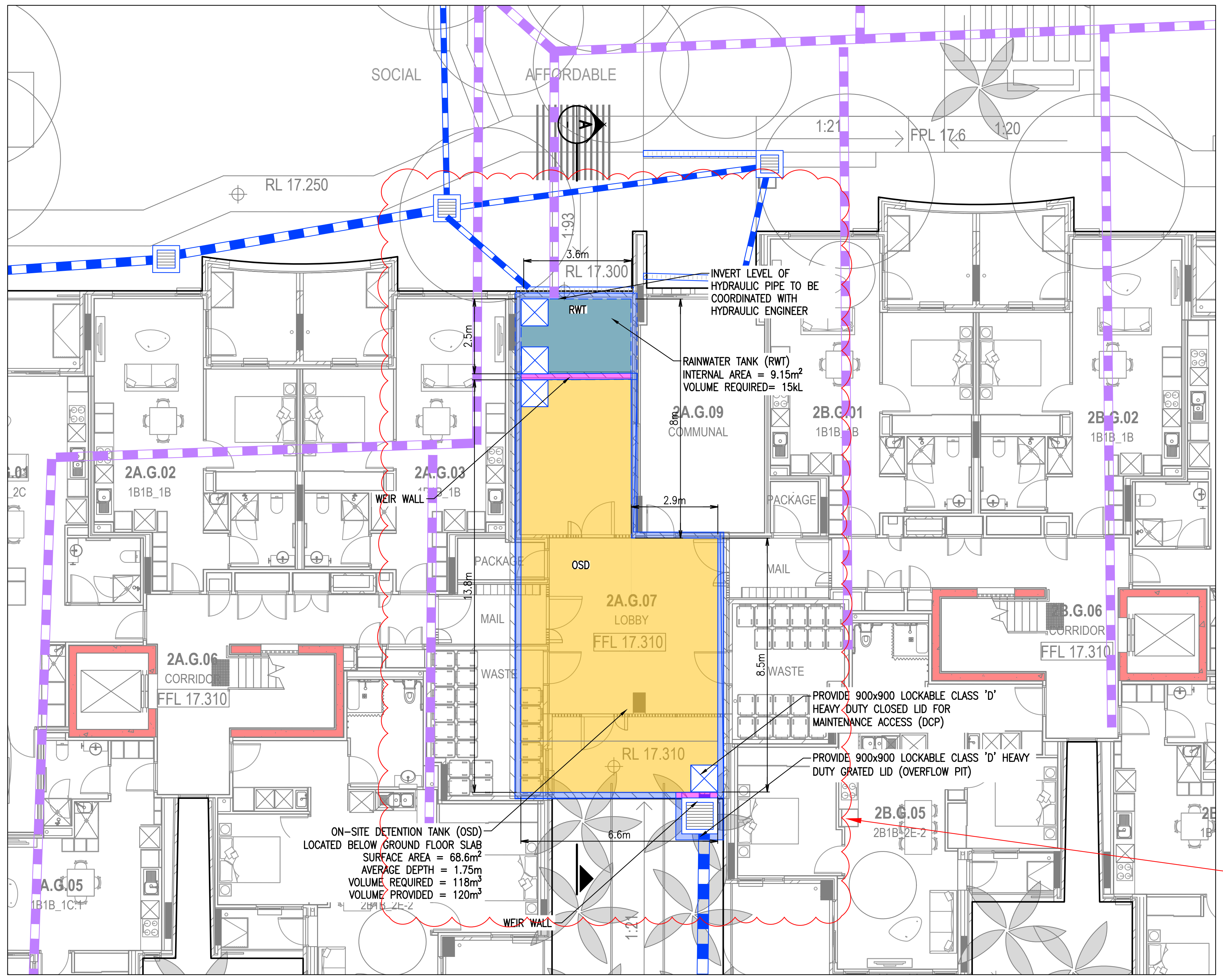
Country (Traditional Owner)
BIDJIGAL

Title
STORMWATER DETAILS

Date	Drawn	Design Checker
23.10.25	M.ARELLANO	N.LY
Scale at A0	Designer	Approved
AS SHOWN	N.LY	A.ANG
		RBG Project No.
		25213

NOT FOR CONSTRUCTION

Drawing Number	Revision
25213–RBG–XX–XX–CV–DR–87101	P02


SOCIAL
AFFORDABLE
RL 17.250
1:21
FPL 17.6
1:20
1:93
3.6m
RL 17.300
RWT
2.5m
8m
2.9m
13.8m
OSD
2A.G.07
LOBBY
FFL 17.310
RL 17.310
8.5m
6.6m
2A.G.09
COMMUNAL
2B.G.01
1B1B_1B
2B.G.02
1B1B_1B
2A.G.02
1B1B_1B
2A.G.03
2A.G.06
CORRIDOR
FFL 17.310
2B.G.06
CORRIDOR
FFL 17.310
2B.G.05
2B1B_2E-2
A.G.05
1B1B_1C
PACKAGE
MAIL
WASTE
WEIR WALL

INVERT LEVEL OF HYDRAULIC PIPE TO BE COORDINATED WITH HYDRAULIC ENGINEER

RAINWATER TANK (RWT)
INTERNAL AREA = 9.15m^2
VOLUME REQUIRED= 15kL

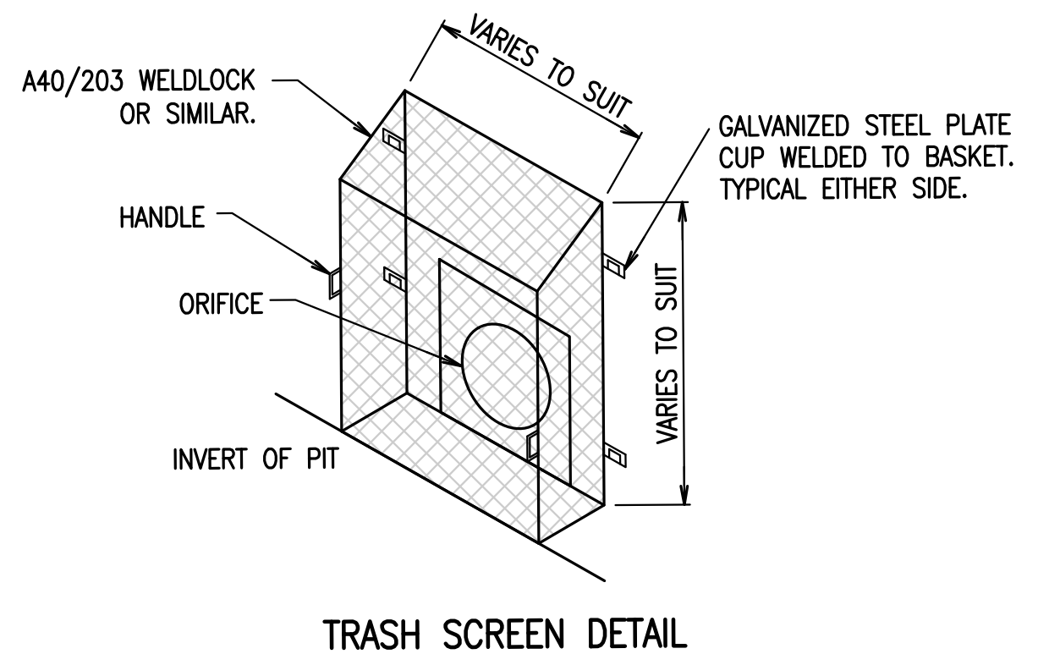
PROVIDE 900x900 LOCKABLE CLASS 'D' HEAVY DUTY CLOSED LID FOR MAINTENANCE ACCESS (DCP)

PROVIDE 900x900 LOCKABLE CLASS 'D' HEAVY DUTY GRATED LID (OVERFLOW PIT)

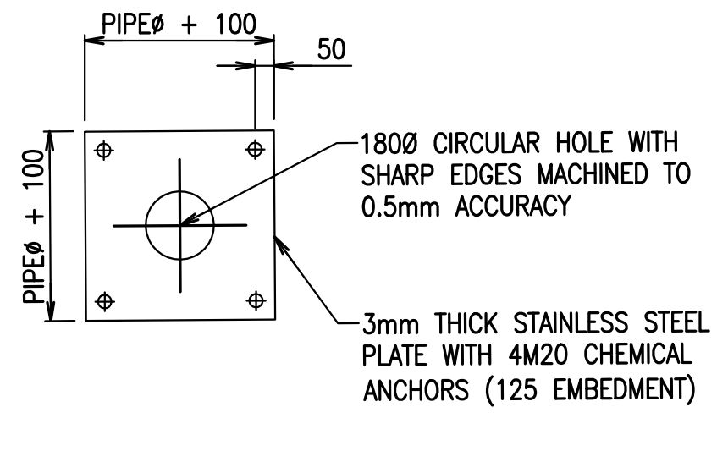
ON-SITE DETENTION TANK (OSD)
LOCATED BELOW GROUND FLOOR SLAB
SURFACE AREA = 68.6m^2
AVERAGE DEPTH = 1.75m
VOLUME REQUIRED = 118m^3
VOLUME PROVIDED = 120m^3

ON-SITE DETENTION TANK PLAN
SCALE 1:100

RWT/OSD DIMENSIONS ADJUSTED


A40/203 WELDLOCK OR SIMILAR.
HANDLE
ORIFICE
INVERT OF PIT
VARIES TO SUIT
VARIES TO SUIT
GALVANIZED STEEL PLATE CUP WELDED TO BASKET. TYPICAL EITHER SIDE.

TRASH SCREEN DETAIL
SCALE 1:20


PIPEØ + 100
50
PIPEØ + 100
180Ø CIRCULAR HOLE WITH SHARP EDGES MACHINED TO 0.5mm ACCURACY
3mm THICK STAINLESS STEEL PLATE WITH 4M20 CHEMICAL ANCHORS (125 EMBEDMENT)

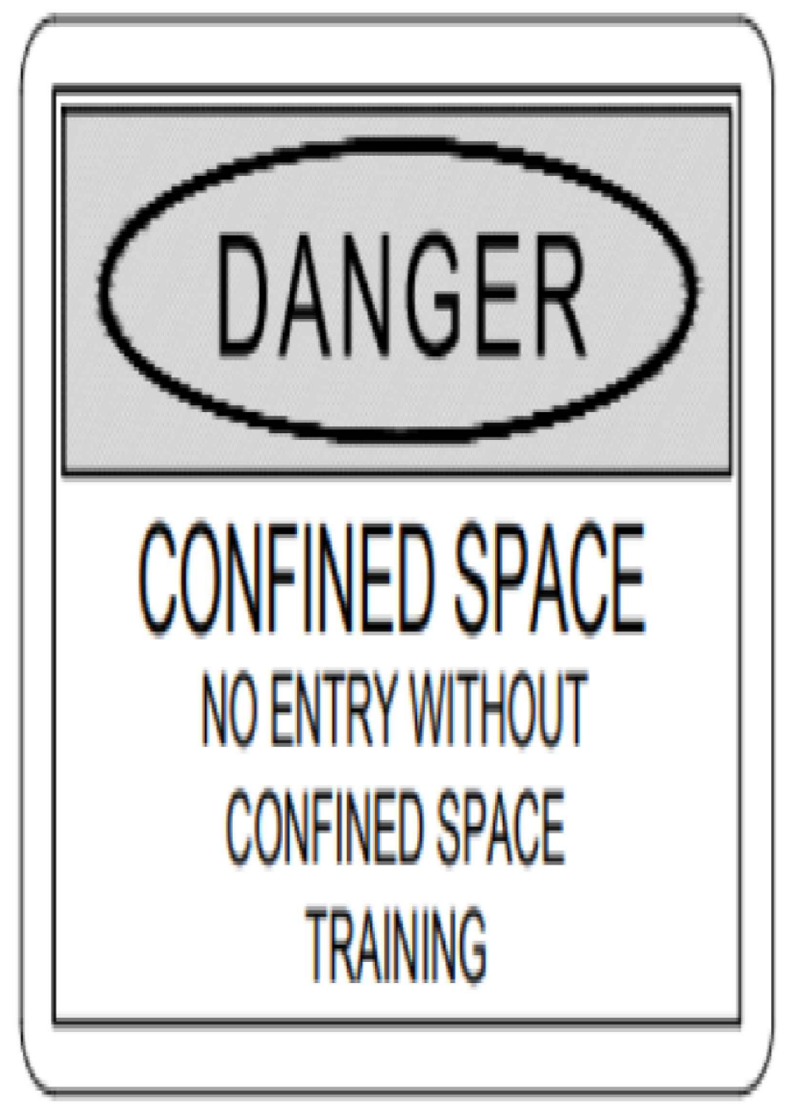
ORIFICE PLATE DETAIL
SCALE 1:20

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

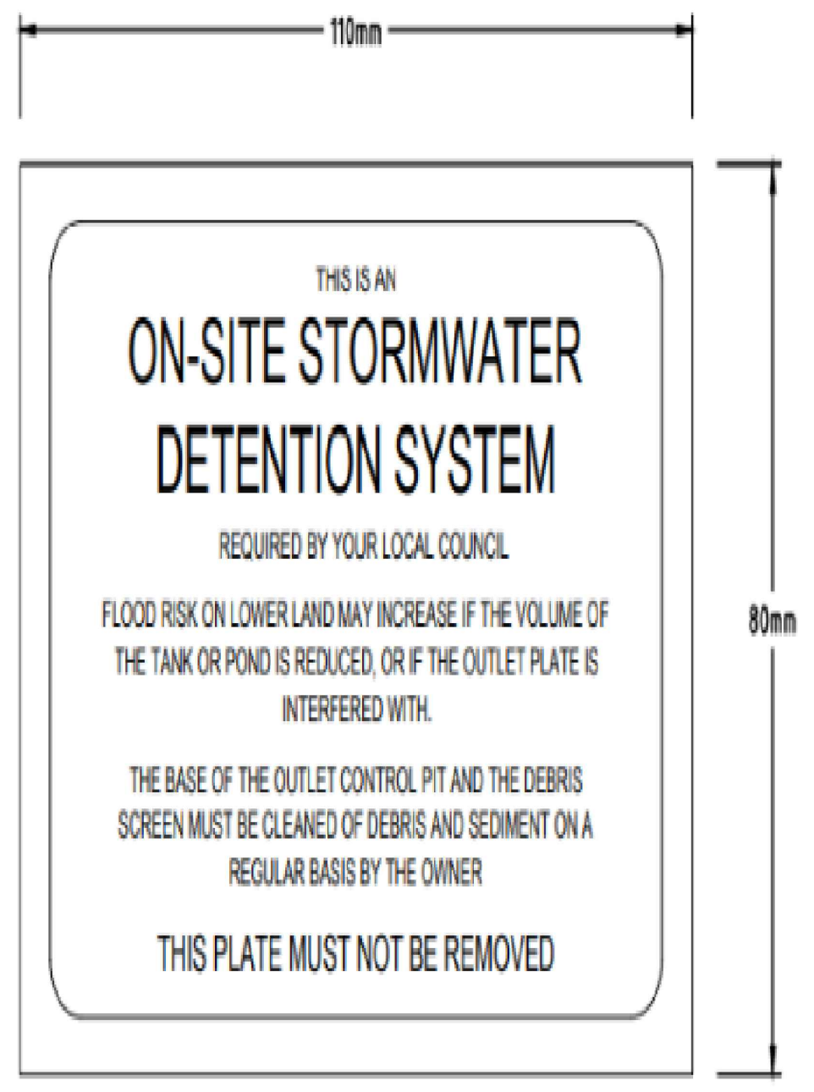
"DANGER" AND BACKGROUND	–	WHITE
ELLIPTICAL AREA	–	RED
RECTANGLE CONTAINING ELLIPSE	–	BLACK
LETTERING AND BORDER	–	BLACK

3. MINIMUM DIMENSIONS OF THE SIGN
4. SIGN TO BE MADE FROM COLOUR BONDED ALUMINIUM OR POLYPROPYLENE
5. SIGN FIXED USING HILTI CHEMSETS OR EPOXY


DANGER
CONFINED SPACE
NO ENTRY WITHOUT
CONFINED SPACE
TRAINING

ONSITE DETENTION TANK SIGN NOTES:

1. CORNERS SQUARE
2. COLOURS
3. CONSTRUCTED FROM ALUMINIUM 0.9mm MILL
4. THIS SIGN SHALL BE PLACED IN A VISIBLE LOCATION NEAR A DISCHARGE CONTROL PIT OR AT THE ACCESS TO ONE.
5. SIGN FIXED USING HILTI CHEMSETS OR EPOXY

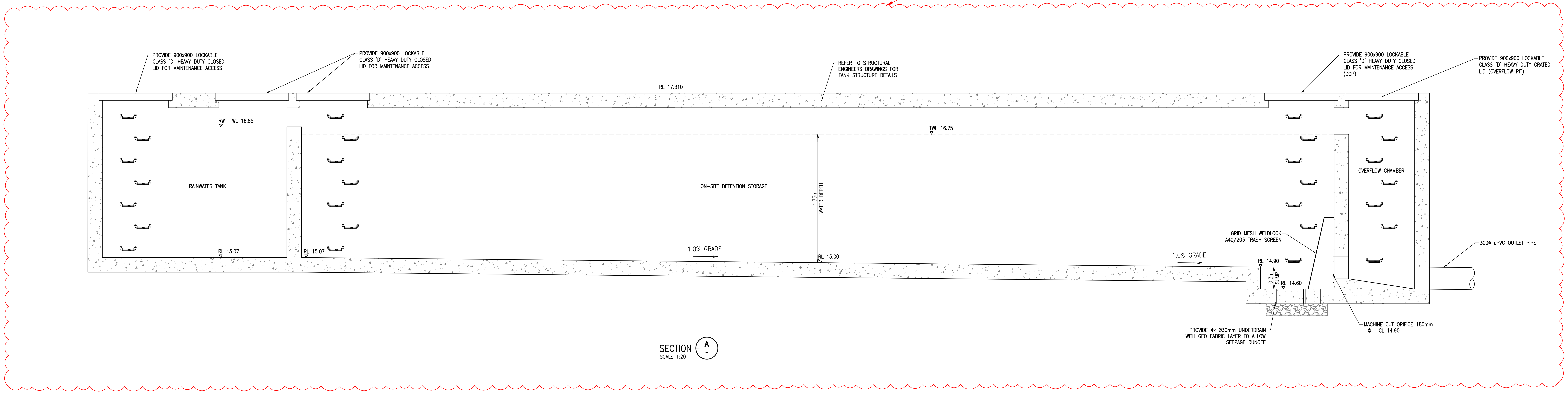


THIS IS AN
ON-SITE STORMWATER
DETENTION SYSTEM
REQUIRED BY YOUR LOCAL COUNCIL

FLOOD RISK ON LOWER LAND MAY INCREASE IF THE VOLUME OF THE TANK OR POND IS REDUCED, OR IF THE OUTLET PLATE IS INTERFERED WITH.

THE BASE OF THE OUTLET CONTROL PIT AND THE DEBRIS SCREEN MUST BE CLEANED OF DEBRIS AND SEDIMENT ON A REGULAR BASIS BY THE OWNER

THIS PLATE MUST NOT BE REMOVED


RL 17.310
RWT TWL 16.85
TWL 16.75
RAINWATER TANK
ON-SITE DETENTION STORAGE
OVERFLOW CHAMBER
1.75m WATER DEPTH
RL 15.07
RL 15.07
RL 15.00
1.0% GRADE
1.0% GRADE
RL 14.90
0.3m SUMP
RL 14.60

PROVIDE 900x900 LOCKABLE CLASS 'D' HEAVY DUTY CLOSED LID FOR MAINTENANCE ACCESS

PROVIDE 900x900 LOCKABLE CLASS 'D' HEAVY DUTY CLOSED LID FOR MAINTENANCE ACCESS

REFER TO STRUCTURAL ENGINEERS DRAWINGS FOR TANK STRUCTURE DETAILS

PROVIDE 900x900 LOCKABLE CLASS 'D' HEAVY DUTY CLOSED LID FOR MAINTENANCE ACCESS (DCP)

PROVIDE 900x900 LOCKABLE CLASS 'D' HEAVY DUTY GRATED LID (OVERFLOW PIT)

GRID MESH WELDLOCK A40/203 TRASH SCREEN

300Ø uPVC OUTLET PIPE

PROVIDE 4x Ø30mm UNDERDRAIN WITH GEO FABRIC LAYER TO ALLOW SEEPAGE RUNOFF

MACHINE CUT ORIFICE 180mm @ CL 14.90

SECTION A
SCALE 1:20

SCALE 1:20
200 0 200 400 600 800 1000mm

SCALE 1:100
1 0 1 2 3 4m

Rev	Revision Description	By	App	Date
P01	ISSUED FOR COORDINATION	NL	AA	12.09.25
P02	ISSUED FOR COORDINATION	NL	AA	24.10.25
P03	DRAFT SSDA MOD ISSUE	NL	AA	31.10.25

Rev	Revision Description	By	App	Date

Scale 1 2 3 4 5 6 7 8

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ACN 010 580 248

Client
bridge
NSW GOVERNMENT
Homes NSW

Project
YORKTOWN MAROUBRA
195–213 FITZGERALD AVENUE
& 40–64 YORKTOWN PARADE
MAROUBRA

Country (Traditional Owner)
BIDJIGAL

Title
ON–SITE DETENTION TANK DETAILS

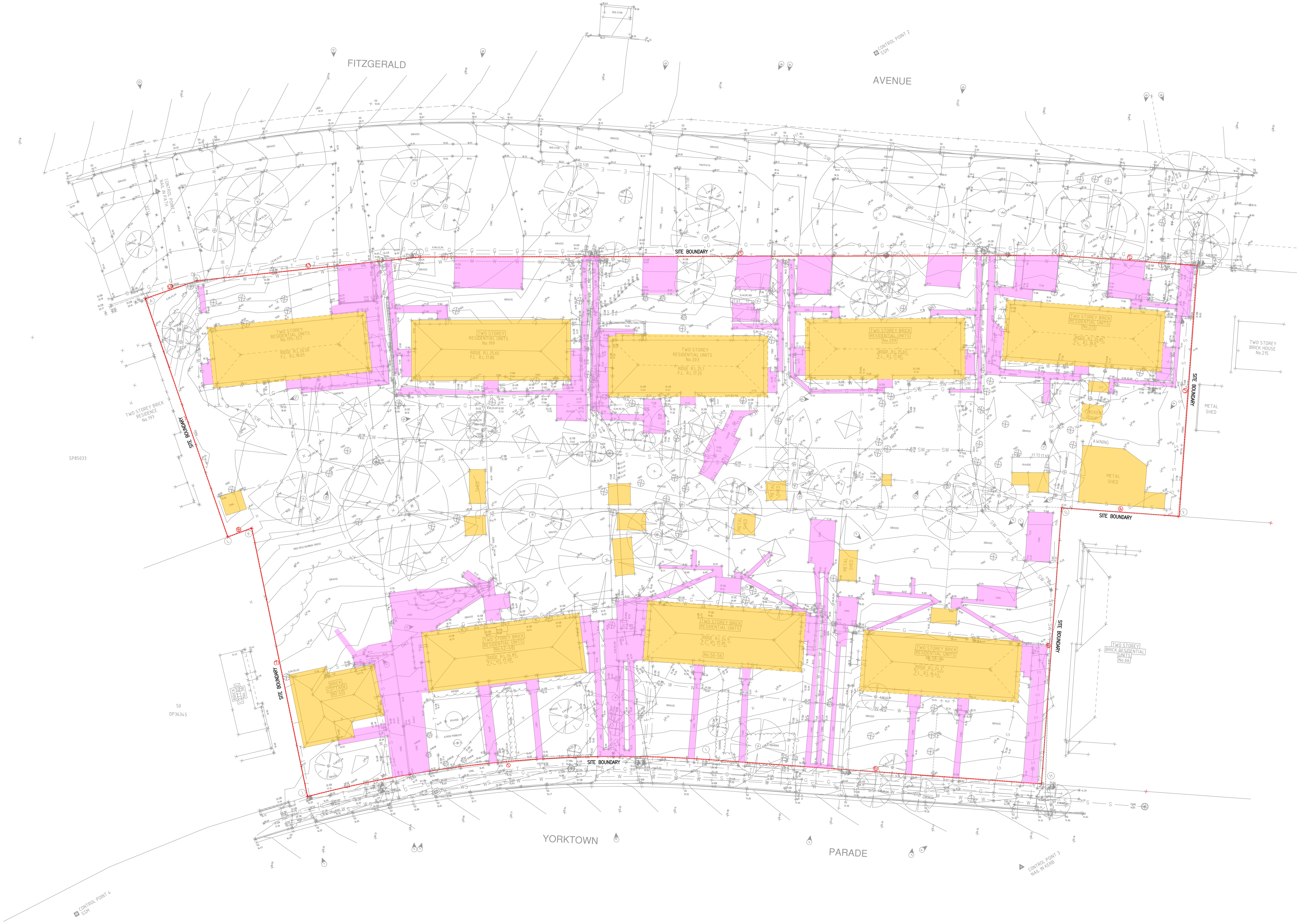
Date: 31.10.25
Drawn: M.ARELLANO
Design Checker: N.LY
Scale at A0: AS SHOWN
Designer: N.LY
Approved: A.ANG
RBG Project No.: 25213

NOT FOR CONSTRUCTION

Drawing Number: 25213–RBG–XX–XX–CV–DR–87201
Revision: P03

LEGEND

▬ ▬	SITE BOUNDARY
🟨	EXISTING ROOF CATCHMENT AREA (1948m²)
🟪	EXISTING PAVEMENT CATCHMENT AREA (1358m²)
☐	LANDSCAPE CATCHMENT AREA (6291m²)


FITZGERALD
AVENUE
CONTROL POINT 2 SSM
CONTROL POINT 1 NAIL IN PATH
SITE BOUNDARY
TWO STOREY RESIDENTIAL UNITS No.195-157
RIDGE R.L.26.50
F.L. R.L.18.65
TWO STOREY RESIDENTIAL UNITS No.199
RIDGE R.L.25.65
F.L. R.L.17.80
TWO STOREY RESIDENTIAL UNITS No.203
RIDGE R.L.25.1
F.L. R.L.17.25
TWO STOREY BRICK RESIDENTIAL UNITS No.209
RIDGE R.L.25.65
F.L. R.L.17.80
TWO STOREY BRICK RESIDENTIAL UNITS No.213
RIDGE R.L.25.85
F.L. R.L.18.0
TWO STOREY BRICK RESIDENCE No.193
SP85033
TWO STOREY BRICK HOUSE No.215
375B DP36576
METAL SHED
CHICKEN COUP
AWNING
METAL SHED
TWO STOREY BRICK RESIDENTIAL UNITS No.42-48
RIDGE R.L.34.85
F.L. R.L.17.00
TWO STOREY BRICK RESIDENTIAL UNITS
RIDGE R.L.24.9
F.L. R.L.17.05
No.50-56
TWO STOREY BRICK RESIDENTIAL UNITS No.58-64
RIDGE R.L.24.3
F.L. R.L.16.45
TWO STOREY BRICK RESIDENTIAL UNITS No.66
BRICK COTTAGE NO.40
50 DP36345
YORKTOWN
PARADE
CONTROL POINT 3 NAIL IN KERB
CONTROL POINT 4 SSM

SCALE 1:200
2 0 2 4 6 8m

Rev	Revision Description	By	App	Date
P01	ISSUED FOR COORDINATION	NL	AA	12.09.25
P02	DRAFT SSDA MOD ISSUE	NL	AA	24.10.25

Rev	Revision Description	By	App	Date

Scale 1 2 3 4 5 6 7 8

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& 40–64 YORKTOWN PARADE
MAROUBRA

Country (Traditional Owner)
BIDJIGAL

Title
PRE–DEVELOPMENT CATCHMENT PLAN

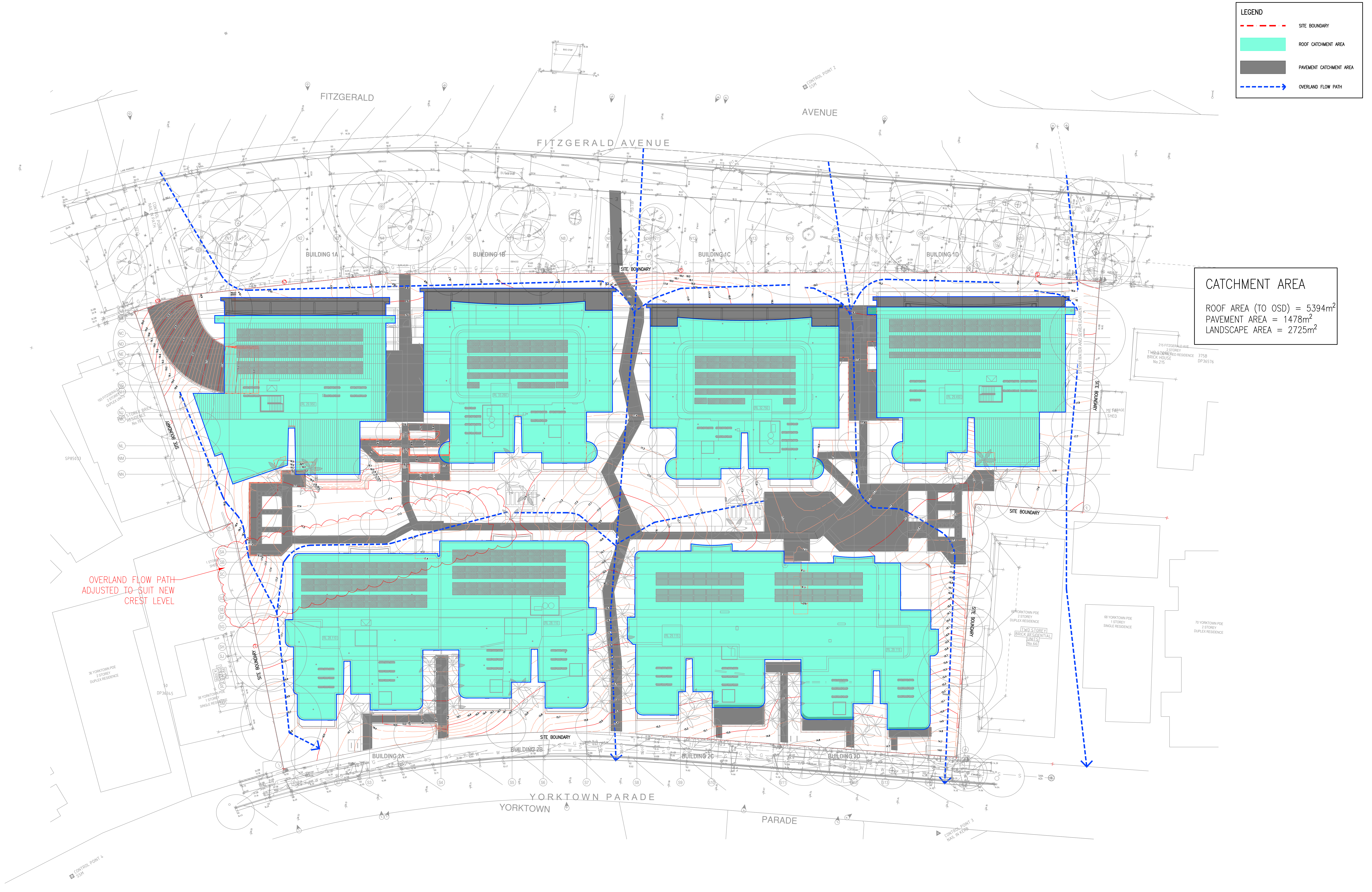
Date	Drawn	Design Checker
23.10.25	M.ARELLANO	N.LY
Scale at A0	Designer	Approved
1:200	N.LY	A.ANG

RBG Project No.
25213

NOT FOR CONSTRUCTION

Drawing Number
25213–RBG–XX–XX–CV–DR–87401

Revision
P02


FITZGERALD AVENUE
FITZGERALD
AVENUE
YORKTOWN PARADE
YORKTOWN
PARADE
BUILDING 1A
BUILDING 1B
BUILDING 1C
BUILDING 1D
BUILDING 2A
BUILDING 2B
BUILDING 2C
BUILDING 2D
SITE BOUNDARY
CONTROL POINT 2
CONTROL POINT 3
CONTROL POINT 4
OVERLAND FLOW PATH ADJUSTED TO SUIT NEW CREST LEVEL
STORMWATER AND SEWER EASEMENT
SCALE 1:200
2 0 2 4 6 8m

LEGEND

- - - (red)	SITE BOUNDARY
🟩	ROOF CATCHMENT AREA
▨	PAVEMENT CATCHMENT AREA
- - → (blue)	OVERLAND FLOW PATH

CATCHMENT AREA

ROOF AREA (TO OSD) = 5394m^2
PAVEMENT AREA = 1478m^2
LANDSCAPE AREA = 2725m^2

Rev	Revision Description	By	App	Date
P01	ISSUED FOR COORDINATION	NL	AA	12.09.25
P02	DRAFT SSDA MOD ISSUE	NL	AA	24.10.25
P03	DRAFT SSDA MOD ISSUE	NL	AA	31.10.25
P04	DRAFT SSDA MOD ISSUE	NL	AA	19.11.25

Rev	Revision Description	By	App	Date

Scale 1 2 3 4 5 6 7 8

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MAROUBRA

Country (Traditional Owner)

BIDJIGAL

Title

POST–DEVELOPMENT CATCHMENT PLAN

Date	Drawn	Design Checker
19.11.25	M.ARELLANO	N.LY
Scale at A0	Designer	Approved
1:200	N.LY	A.ANG

RBG Project No.
25213

NOT FOR CONSTRUCTION

Drawing Number	Revision
25213–RBG–XX–XX–CV–DR–87411	P04