

PROPOSED DEVELOPMENT

(No.43-49) WARRIEWOOD ROAD, WARRIEWOOD

CIVIL ENGINEERING PLANS

GENERAL NOTES	
1.	THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED.
2.	ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION
3.	DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
4.	ALL DIMENSIONS ON DETAILS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. ALL PLANS AND LEVELS ARE EXPRESSED IN METRES.
5.	DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURAL STABILITY OF THE WORKS AND ENSURE NO PARTS BE OVER STRESSED UNDER CONSTRUCTION ACTIVITIES.
6.	WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT CURRENT S.A.A. CODES INCLUDING ALL AMENDMENTS, AND THE LOCAL STATUTORY AUTHORITIES, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
7.	THE APPROVAL OF A SUBSTITUTION SHALL BE SOUGHT FROM THE ENGINEER BUT IS NOT AN AUTHORISATION FOR A VARIATION. ANY VARIATIONS INVOLVED MUST BE TAKEN UP WITH THE ARCHITECT OR PROJECT MANAGER BEFORE THE WORK COMMENCES.
8.	ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE ENGINEER FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
9.	THE BUILDER SHALL GIVE 48 HOURS NOTICE FOR ALL ENGINEERING INSPECTIONS.
10.	BUILDING FROM THESE DRAWINGS IS NOT TO COMMENCE UNTIL APPROVED BY THE LOCAL AUTHORITIES
11.	THE WORD 'ENGINEER' USED IN THESE NOTES REFER TO AN EMPLOYEE OR NOMINATED REPRESENTATIVE OF ACOR CONSULTANTS PTY.LTD.

ROADWORKS NOTES	
1.	ALL BASECOURSE AND SUB-BASECOURSE MATERIALS SHALL CONFORM WITH AUSTRALIAN STANDARDS.
2.	ALL BASECOURSE AND SUB-BASE MATERIALS SHALL BE COMPACTED TO ACHIEVE A MINIMUM OF 100% STANDARD MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT OF +OR- 2% IN ACCORDANCE WITH AS1289 E1.1.
3.	ALL WEARING SURFACES SHALL BE ASPHALTIC CONCRETE LAID TO THE THICKNESS SPECIFIED AND IN ACCORDANCE WITH THE SPECIFICATION.
4.	CONCRETE FOR KERB SHALL HAVE A CONCRETE STRENGTH OF 20MPa AT 28 DAYS, MINIMUM SLUMP OF 60mm AND MAXIMUM AGGREGATE SIZE OF 40mm.

EXISTING SERVICES AND FEATURES	
1.	THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION, REMOVAL AND DISPOSAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA, AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
2.	THE CONTRACTOR IS TO CONDUCT A THOROUGH UNDERGROUND SERVICES INVESTIGATION TO LOCATE ALL SERVICES WITHIN THE AREA OF WORKS PRIOR TO ANY DEMOLITION WORKS COMMENCING
3.	THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
4.	PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN WRITTEN APPROVAL OF HIS PROGRAMME FOR THE RELOCATION/CONSTRUCTION OF TEMPORARY SERVICES.
5.	EXISTING BUILDINGS, EXTERNAL STRUCTURES, AND TREES SHOWN ON THESE DRAWINGS ARE FEATURES EXISTING PRIOR TO ANY DEMOLITION WORKS.
6.	CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
7.	INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. CONTRACTOR TO GAIN APPROVAL OF SUPERINTENDENT FOR TIME OF INTERRUPTION.

SITEWORKS NOTES	
1.	ORIGIN OF LEVELS :- AUSTRALIAN HEIGHT DATUM (A.H.D.)
2.	CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK.
3.	ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS, THE SPECIFICATIONS AND THE DIRECTIONS OF THE PRINCIPAL'S REPRESENTATIVE.
4.	EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE PRINCIPAL'S REPRESENTATIVE. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
5.	WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
6.	THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
7.	CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER COMMUNICATIONS OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.
8.	ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH AN APPROVED NON-NATURAL GRANULAR MATERIAL AND COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS.1289 S.1.1.
9.	ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
10.	ON COMPLETION OF PIPE INSTALLATION ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS.
11.	PROVIDE 12mm WIDE EXPANDING CORK JOINTS BETWEEN CONCRETE PAVEMENTS AND ALL BUILDINGS , WALLS, FOOTINGS, COLUMNS, KERBS, DISH DRAINS, GRATED DRAINS, BOLLARD FOOTINGS ETC
12.	CONTRACTOR TO OBTAIN ALL AUTHORITY APPROVALS.
13.	ALL BATTERS TO BE GRASSED LINED WITH MINIMUM 100 TOPSOIL AND APPROVED COUCH LAID AS TURF.
14.	MAKE SMOOTH TRANSITION TO EXISTING SERVICES AND MAKE GOOD.
15.	THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY DIVERSION DRAINS AND MOUNDS TO ENSURE THAT AT ALL TIMES EXPOSED SURFACES ARE FREE DRAINING AND WHERE NECESSARY EXCAVATE SUMPS AND PROVIDE PUMPING EQUIPMENT TO DRAIN EXPOSED AREAS.
16.	THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND MECHANICAL DRAWINGS AND SPECIFICATIONS.
17.	TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MIN 50mm IN BITUMINOUS PAVING.
18.	ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN 980 uPVC SEWER GRADE CONDUITS EXTENDING A MIN OF 500mm PAST PAVING.
19.	ON COMPLETION OF WORKS ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL INCLUDING, BUT NOT LIMITED TO, KERBS, FOOTPATHS, CONCRETE AREAS, GRASS AND LANDSCAPED AREAS.

COMPACTION NOTES	
1.	ALL SOFT, WET OR UNSUITABLE MATERIAL TO BE REMOVED AS DIRECTED BY THE SUPERINTENDENT AND REPLACED WITH APPROVED MATERIAL SATISFYING THE REQUIREMENTS LISTED BELOW.
2.	ALL FILL MATERIAL SHALL BE FROM A SOURCE APPROVED BY THE SUPERINTENDENT AND SHALL COMPLY WITH THE FOLLOWING : a. FREE FROM ORGANIC, PERISHABLE AND CONTAMINATED MATTER b. MAXIMUM PARTICLE SIZE 75MM c. PLASTICITY INDEX BETWEEN 2% AND 15%
3.	THE CONTRACTOR SHALL PROGRAM THE EARTHWORKS OPERATION SO THAT THE WORKING AREAS ARE ADEQUATELY DRAINED DURING THE PERIOD OF CONSTRUCTION. THE SURFACE SHALL BE GRADED AND SEALED OFF TO REMOVE DEPRESSIONS AND SIMILAR WHICH WOULD ALLOW WATER TO POND AND PENETRATE THE UNDERLYING MATERIAL. ANY DAMAGE RESULTING FROM THE CONTRACTOR NOT OBSERVING THESE REQUIREMENTS SHALL BE RECTIFIED BY THE CONTRACTOR AT THEIR COST.
4.	TESTING OF THE SUBGRADE SHALL BE CARRIED OUT BY AN APPROVED NATA REGISTERED LABORATORY AT THE CONTRACTORS EXPENSE.

STORMWATER NOTES	
1.	ALL 225 DIA. DRAINAGE PIPES AND LARGER SHALL BE CLASS "2" APPROVED SPIGOT AND SOCKET FRIC OR RCP PIPES WITH RUBBER RING JOINTS. (U.N.O.) ALL DOWNPIPE DRAINAGE LINES SHALL BE SEWER GRADE uPVC WITH SOLVENT WELD JOINTS. (U.N.O.)
2.	EQUIVALENT STRENGTH REINFORCED CONCRETE PIPES MAY BE USED.
3.	ALL PIPE JUNCTIONS UP TO AND INCLUDING 450 DIA. AND TAPERS SHALL BE VIA PURPOSE MADE FITTINGS.
4.	MINIMUM GRADE TO STORMWATER LINES TO BE 1%. (U.N.O.)
5.	CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.
6.	ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH.
7.	PRECAST PITS SHALL NOT BE USED UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE SUPERINTENDENT.
8.	WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL BE BEDDED ON A MIN. 50MM CONCRETE BED (OR 75MM THICK BED OF 12MM BLUE METAL) UNDER THE BARREL OF THE PIPE. THE PIPE COLLAR AT NO POINT SHALL BEAR ON THE ROCK. IN OTHER THAN ROCK, PIPES SHALL BE LAID ON A 75MM THICK SAND BED. IN ALL CASES BACKFILL THE TRENCH WITH SAND TO 200MM ABOVE THE PIPE. WHERE THE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH WITH SAND OR APPROVED GRANULAR BACKFILL COMPACTED IN 150MM LAYERS TO 98% STANDARD MAX. DRY DENSITY.
9.	BEDDING SHALL BE (U.N.O.) TYPE H1, IN ACCORDANCE WITH CURRENT RELEVANT AUSTRALIAN STANDARDS.
10.	WHERE STORMWATER LINES PASS UNDER FLOOR SLABS SEWER GRADE RUBBER RING JOINTS ARE TO BE USED.
11.	WHERE SUBSOIL DRAINAGE LINES PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS UNSLOTTED UPVC SEWER GRADE PIPE SHALL BE USED.
12.	PROVIDE 3.0M LENGTH OF 100 DIA. SUBSOIL DRAINAGE PIPE WRAPPED IN FABRIC SOCK, AT UPSTREAM END OF EACH PIT.

CONCRETE PAVEMENT NOTES	
1.	CONCRETE MIX PARAMETERS : - MAXIMUM AGGREGATE SIZE 20mm - FLEXURAL STRENGTH AT 28 DAYS = 3.5MPa - FLEXURAL STRENGTH AT 90 DAYS = 3.85 MPa - MAXIMUM WATER / CEMENT RATIO = 0.55 - MAXIMUM SHRINKAGE LIMIT = 650 MICRON STRAINS (AS 1012 P113) - MINIMUM CEMENT CONTENT = 300kg/m3 - CEMENT TO BE TYPE "A" (NORMAL CEMENT) TO AS.1315 - SLUMP = 50mm
2.	JOINT TO BE SAWN AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY THAT IT WILL NOT BE DAMAGED BY SAWING. IF AN UNPLANNED CRACK OCCURS THE CONTRACTOR SHALL REPLACE WHOLE SLABS EITHER SIDE OF THE UNPLANNED CRACK, UNLESS DIRECTED OTHERWISE.
3.	CONSTRUCT JOINTS AS DETAILED
4.	CONSTRUCTION JOINTS WHERE REQUIRED BUT NOT SHOWN, SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER AND CONSTRUCTED AT THE CONTRACTORS EXPENSE.
5.	ALL LONGITUDINAL CONSTRUCTION JOINTS SHALL BE FORMED AND INCLUDE DOWEL BARS AS SPECIFIED. ALL TRANSVERSE CONSTRUCTION JOINTS SHALL BE FORMED AND INCLUDE DOWEL BARS AS SPECIFIED.
6.	BOND BREAKER TO BE TWO (2) UNIFORM COATS OF BITUMEN EMULSION ALL OVER THE EXPOSED SURFACE AND ON END.
7.	DOWELS AND TIE BARS TO MEET STRENGTH REQUIREMENTS OF STRUCTURAL GRADE STEEL IN ACCORDANCE AS. 1302. DOWELS AND TIE BARS SHALL BE : - STRAIGHT - TO LENGTH SPECIFIED - CLEAN AND FREE FROM MILL SCALE, RUST AND OIL. - SAWN TO LENGTH NOT CROPPED.
8.	DIMENSIONS OF SEALANT RESERVOIR DEPENDANT ON THE SEALANT TYPE ADOPTED. ENGINEERS APPROVAL TO BE OBTAINED FOR SEALANT AND RESERVOIR DIMENSIONS AND DETAIL PROPOSED BY THE CONTRACTOR. REFER DETAIL "B" FOR TYPICAL ARRANGEMENT AND SEALANT.
9.	PRIOR TO THE PLACEMENT OF CONCRETE IN THE ADJACENT SLAB, SELF EXPANDING CORK FILLER SHALL BE ADHERED TO THE ALREADY CAST AND CLEANED CONCRETE FACE USING AN APPROVED WATERPROOF ADHESIVE. ADHESIVE SHALL BE LIBERALLY APPLIED TO THE FULL FACE OF THE CONCRETE SLAB TO BE COVERED BY THE FILLER, AND ON THE FULL FACE OF THE FILLER TO BE ADHERED.
10.	REFER TO COMPACTION NOTES FOR PREPARATION OF SUB-BASE AND SUB-GRADE.
11.	ALL WORK TO BE BROOM FINISH.

ASPHALTIC CONCRETE NOTES											
1. <u>GENERAL</u>	a) MINERAL AGGREGATES TO COMPLY WITH AUSTRALIAN STANDARDS b) MINERAL FILLER TO COMPLY WITH AS.2357 MINERAL FILLERS OR ASPHALT. c) BITUMEN BINDER SHALL COMPLY WITH AS.2008										
2. <u>MIX PROPORTIONS</u>	a) JOB MIX - 10mm NOMINAL SIZE AGGREGATE. MINIMUM BITUMEN CONTENT BY MASS OF TOTAL MASS - 5.1% b) MIX STABILITY - BETWEEN 16kN AND 36kN AS DETERMINED BY AS.2891 c) AIR VOIDS IN COMPACTED MIX - BETWEEN 4% AND 7% OF THE VOLUME OF THE MIX. d) VOIDS FILLED IN BINDER - 65-80% OF AIR VOIDS IN THE TOTAL MINERAL AGGREGATE FILLED BY BINDER IN ACCORDANCE WITH AUSTRALIAN STANDARDS										
3. <u>PAVEMENT PREPARATION</u>	a) THE EXISTING SURFACE TO BE SEALED SHALL BE DRY AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REMOVAL OF ALL SUPERFICIAL FOREIGN MATTER. b) ALL DEPRESSIONS OR UNEVEN AREAS ARE TO BE TACK-COATED AND BROUGHT UP TO GENERAL LEVEL OF PAVEMENT WITH ASPHALTIC CONCRETE BEFORE LAYING OF MAIN COURSE.										
4. <u>TACK COAT</u>	a) THE WHOLE OF THE AREA TO BE SHEETED WITH ASPHALTIC CONCRETE SHALL BE LIGHTLY AND EVENLY COATED WITH RAPID SETTING BITUMEN COMPLYING WITH AUSTRALIAN STANDARDS. APPLICATION RATE FOR RESIDUAL BITUMEN SHALL BE 0.15 TO 0.30 LITRES/SQUARE METRE. APPLICATION SHALL BE BY MEANS OF A MECHANICAL SPRAYER WITH SPRAY BAR.										
5. <u>SPREADING</u>	a) ALL ASPHALTIC CONCRETE SHALL BE SPREAD WITH A SELF PROPELLED PAVING MACHINE. b) THE ASPHALTIC CONCRETE SHALL BE LAID AT A MIX TEMPERATURE AS SHOWN BELOW;										
<table><tr><th>ROAD SURFACE TEMPERATURE IN SHADE (°C)</th><th>MIX TEMPERATURES (°C)</th></tr><tr><td>5 - 10</td><td>NOT PERMITTED</td></tr><tr><td>10 - 15</td><td>150</td></tr><tr><td>15 - 25</td><td>145</td></tr><tr><td>OVER 25</td><td>140</td></tr></table>		ROAD SURFACE TEMPERATURE IN SHADE (°C)	MIX TEMPERATURES (°C)	5 - 10	NOT PERMITTED	10 - 15	150	15 - 25	145	OVER 25	140
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5 - 10	NOT PERMITTED										
10 - 15	150										
15 - 25	145										
OVER 25	140										
c)	ASPHALTIC CONCRETE SHALL NOT BE LAID WHEN THE ROAD SURFACE IS WET OR WHEN COLD WINDS CHILL THE MIX ADVERSELY AFFECT SPREADING AND COMPACTION.										
d)	THE MINIMUM COMPACTED THICKNESS IS 30mm OVER EXISTING SEALED PAVEMENTS AND 50mm OVER NEW PAVEMENTS										
6. <u>JOINTS</u>	a) THE NUMBER OF JOINTS BOTH LONGITUDINAL AND TRANSVERSE SHALL BE KEPT TO A MINIMUM. b) THE DENSITY AND SURFACE FINISH AT JOINTS SHALL BE SIMILAR TO THOSE OF THE REMAINDER OF THE LAYER.										
7. <u>COMPACTION</u>	a) ALL COMPACTION SHALL BE UNDERTAKEN USING SELF PROPELLED ROLLERS. b) INITIAL ROLLING SHALL BE COMPLETE BEFORE THE MIX TEMPERATURE FALLS BELOW 105°C c) SECONDARY ROLLING SHALL BE COMPLETED BEFORE THE MIX TEMPERATURE FALLS BELOW 60°C d) MINIMUM CHARACTERISTICS VALUE OF RELATIVE COMPACTION OF A LOT WHEN TESTED IN ACCORDANCE WITH AS2150										
8. <u>FINISHED PAVEMENT PROPERTIES</u>	a) FINISH SURFACES SHALL BE SMOOTH, DENSE AND TRUE TO SHAPE AND SHALL NOT VARY MORE THAN 10mm FROM THE SPECIFIED PLAN LEVEL AT ANY POINT AND SHALL NOT DEVIATE FROM THE BOTTOM OF A 3m STRAIGHT EDGE LAID IN ANY DIRECTION BY MORE THAN 5mm.										



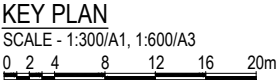
DIAL BEFORE YOU DIG
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IMPORTANT: THE CONTRACTOR IS TO MAINTAIN A CURRENT SET OF "DIAL BEFORE YOU DIG" DRAWINGS ON SITE AT ALL TIMES.

SHEET INDEX	
COVER SHEET & NOTES	SHEET C1.00
DRAINAGE CATCHMENT PLAN	SHEET C1.01
KEY PLAN - SITE STORMWATER MANAGEMENT	SHEET C2.00
STORMWATER MANAGEMENT PLAN SHEET 1 OF 2	SHEET C2.01
STORMWATER MANAGEMENT PLAN SHEET 2 OF 2	SHEET C2.02
KEY PLAN - ROADWORKS & DRAINAGE GENERAL ARRANGEMENT	SHEET C3.00
ROADWORKS & DRAINAGE PLAN SHEET 1 OF 5	SHEET C3.01
ROADWORKS & DRAINAGE PLAN SHEET 2 OF 5	SHEET C3.02
ROADWORKS & DRAINAGE PLAN SHEET 3 OF 5	SHEET C3.03
ROADWORKS & DRAINAGE PLAN SHEET 4 OF 5	SHEET C3.04
ROADWORKS & DRAINAGE PLAN SHEET 5 OF 5	SHEET C3.05
ROAD LONGITUDINAL SECTION (MC01) - LORIKEET GROVE	SHEET C3.06
ROAD CROSS SECTIONS (MC01) LORIKEET GROVE SHEET 1 OF 3	SHEET C3.07
ROAD CROSS SECTIONS (MC01) LORIKEET GROVE SHEET 2 OF 3	SHEET C3.08
ROAD CROSS SECTIONS (MC01) LORIKEET GROVE SHEET 3 OF 3	SHEET C3.09
ROAD LONGITUDINAL SECTION (MC02) - WARRIEWOOD ROAD	SHEET C3.10
ROAD CROSS SECTIONS (MC02) WARRIEWOOD ROAD SHEET 1 OF 2	SHEET C3.11
ROAD CROSS SECTIONS (MC02) WARRIEWOOD ROAD SHEET 2 OF 2	SHEET C3.12
DRAINAGE EASEMENT LONGITUDINAL SECTION (DR01)	SHEET C3.13
DRAINAGE PIT & PIPE LONGITUDINAL SECTION	SHEET C3.14
TYPICAL DETAIL SHEET 1 OF 2	SHEET C3.15
TYPICAL DETAIL SHEET 2 OF 2	SHEET C3.16

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							WARRIEWOOD DEVELOPERS PTY LTD	North			Drawn		Date	Scale	A1	Q.A. Check		Date											
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											Issue	Description		Date	Drawn	Approved	Designed		Project No.	Dwg. No.	Issue								
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Client

WARRIEWOOD
DEVELOPERS
PTY LTD

Architect



ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

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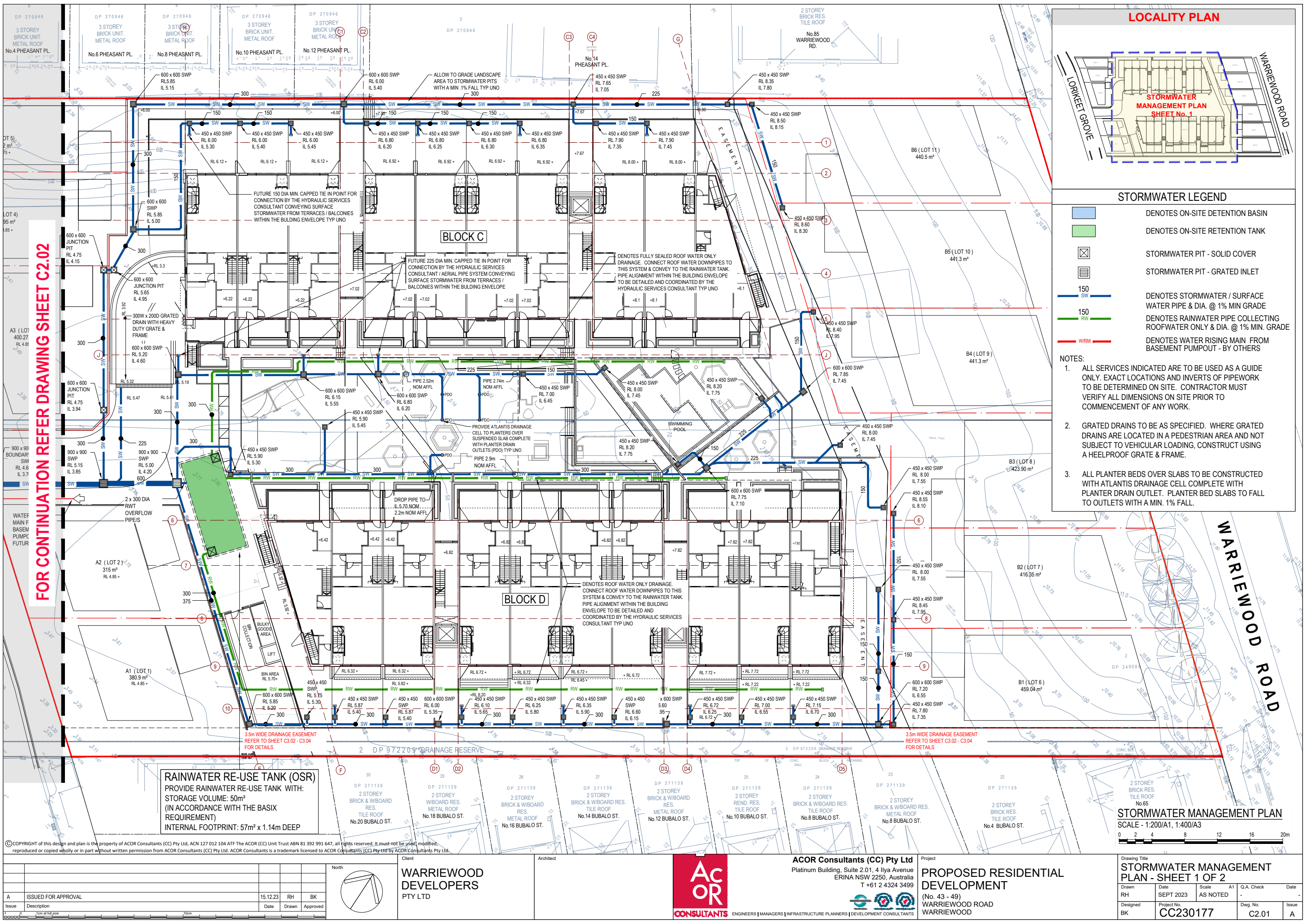


Project

**PROPOSED RESIDENTIAL
DEVELOPMENT**
(No. 43 - 49)
WARRIEWOOD ROAD
WARRIEWOOD

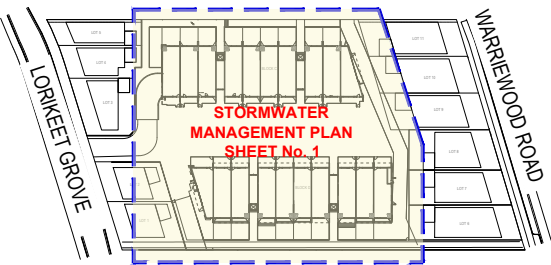
Drawing Title
**KEY PLAN - SITE
STORMWATER MANAGEMENT**

Drawn RH	Date SEPT 2023	Scale A1 AS NOTED	Q.A. Check -	Date -
Designed BK	Project No. CC230177		Dwg. No. C2.00	Issue A



FOR CONTINUATION REFER DRAWING SHEET C2.02

LOCALITY PLAN



STORMWATER LEGEND

- DENOTES ON-SITE DETENTION BASIN
- DENOTES ON-SITE RETENTION TANK
- STORMWATER PIT - SOLID COVER
- STORMWATER PIT - GRATED INLET
- 150 SW DENOTES STORMWATER / SURFACE WATER PIPE & DIA. @ 1% MIN GRADE
- 150 RW DENOTES RAINWATER PIPE COLLECTING ROOFWATER ONLY & DIA. @ 1% MIN. GRADE
- WRM DENOTES WATER RISING MAIN FROM BASEMENT PUMPOUT - BY OTHERS

- NOTES:
- ALL SERVICES INDICATED ARE TO BE USED AS A GUIDE ONLY. EXACT LOCATIONS AND INVERTS OF PIPEWORK TO BE DETERMINED ON SITE. CONTRACTOR MUST VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.
 - GRATED DRAINS TO BE AS SPECIFIED. WHERE GRATED DRAINS ARE LOCATED IN A PEDESTRIAN AREA AND NOT SUBJECT TO VEHICULAR LOADING, CONSTRUCT USING A HEELPROOF GRATE & FRAME.
 - ALL PLANTER BEDS OVER SLABS TO BE CONSTRUCTED WITH ATLANTIS DRAINAGE CELL COMPLETE WITH PLANTER DRAIN OUTLET. PLANTER BED SLABS TO FALL TO OUTLETS WITH A MIN. 1% FALL.

RAINWATER RE-USE TANK (OSR)
PROVIDE RAINWATER RE-USE TANK WITH:
STORAGE VOLUME: 50m³
(IN ACCORDANCE WITH THE BASIX REQUIREMENT)
INTERNAL FOOTPRINT: 57m² x 1.14m DEEP

STORMWATER MANAGEMENT PLAN

SCALE - 1:200/A1, 1:400/A3



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A		ISSUED FOR APPROVAL	15.12.23	RH	BK
Issue	Description	Date	Drawn	Approved	
1	As Issued				

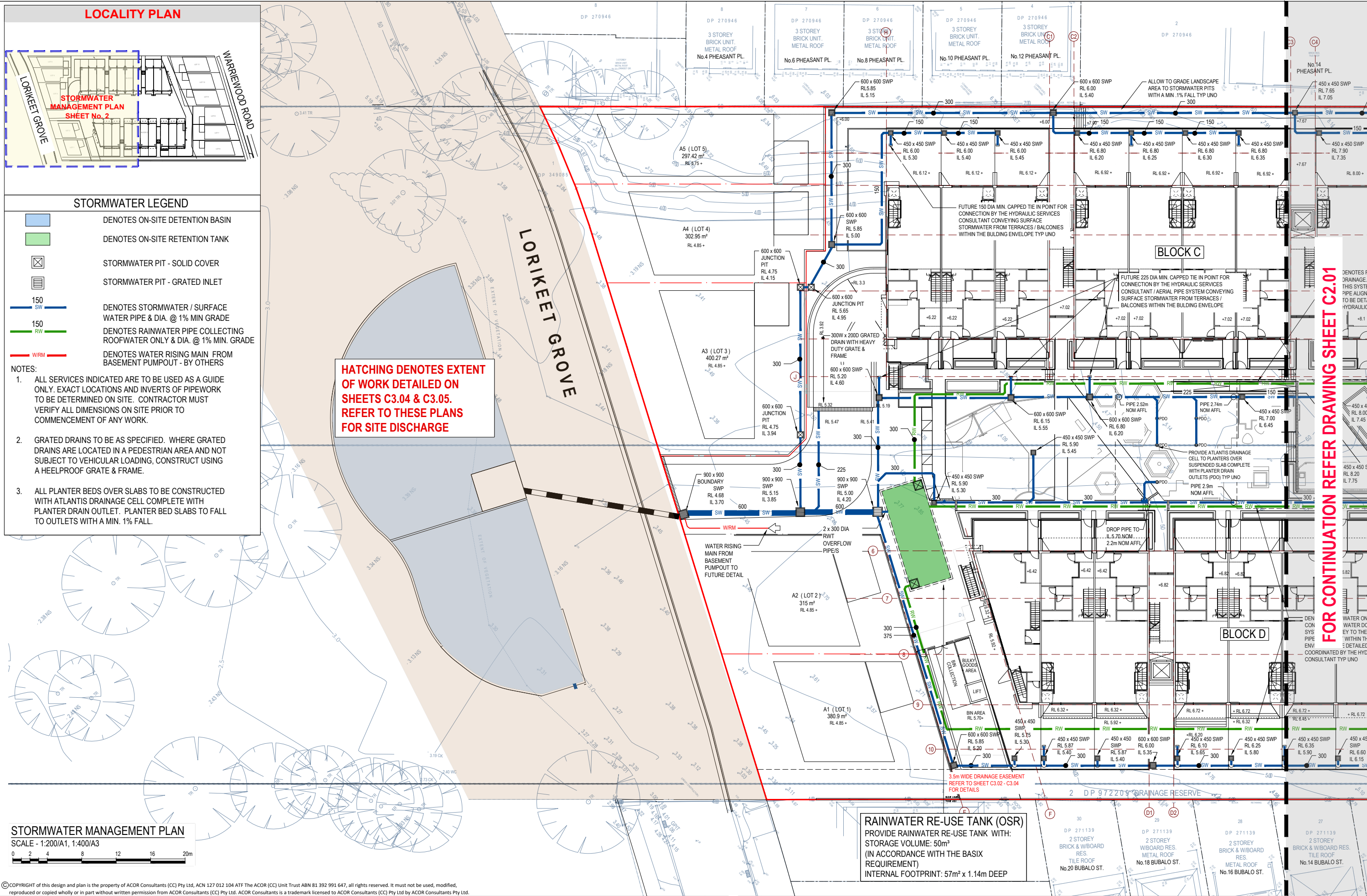
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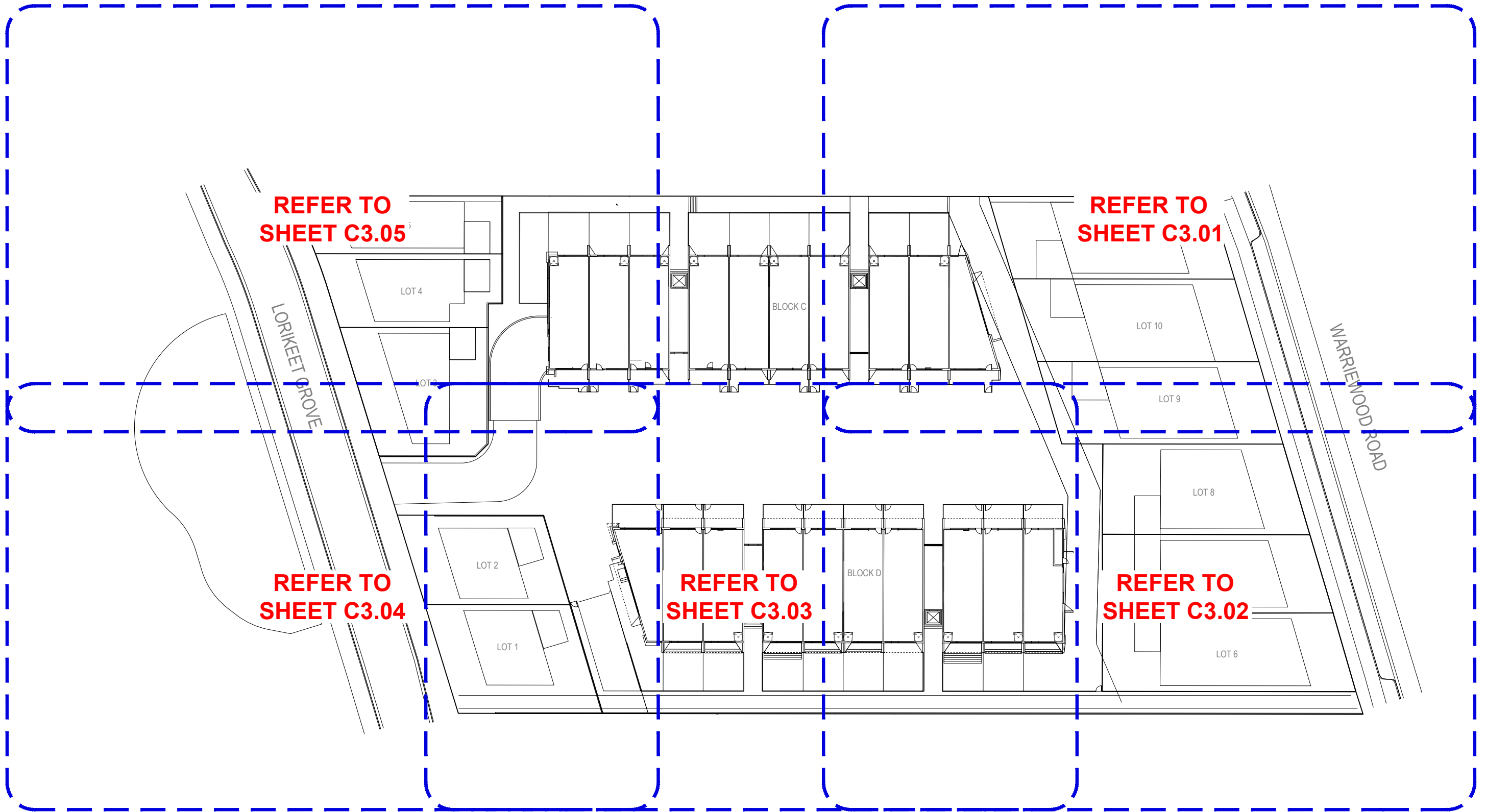
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Project
PROPOSED RESIDENTIAL DEVELOPMENT
(No. 43 - 49)
WARRIEWOOD ROAD
WARRIEWOOD

Drawing Title		STORMWATER MANAGEMENT PLAN - SHEET 1 OF 2	
Drawn	Date	Scale	A1
RH	SEPT 2023	AS NOTED	-
Designed	Project No.	Dwg. No.	Issue
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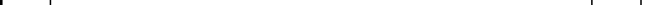


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Project				Drawing Title			
PROPOSED RESIDENTIAL DEVELOPMENT				STORMWATER MANAGEMENT PLAN SHEET 2 OF 2			
Drawn		Date		Scale		A1	
RH		SEPT 2023		AS NOTED		-	
Designed		Project No.		Dwg. No.		Issue	
BK		CC230177		C2.02		A	

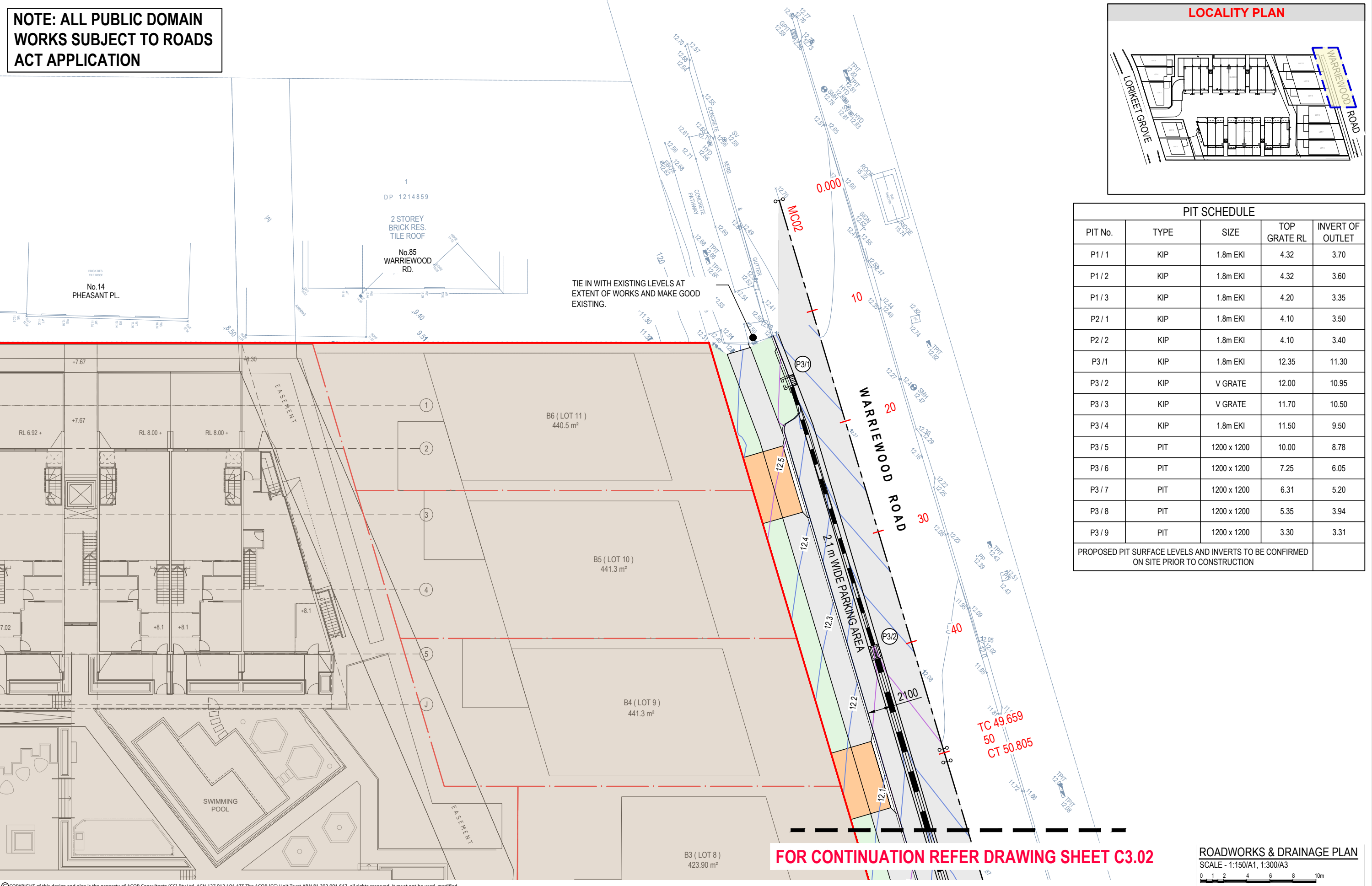


KEY PLAN
SCALE - 1:300/A1, 1:600/A3
0 2 4 8 12 16 20m

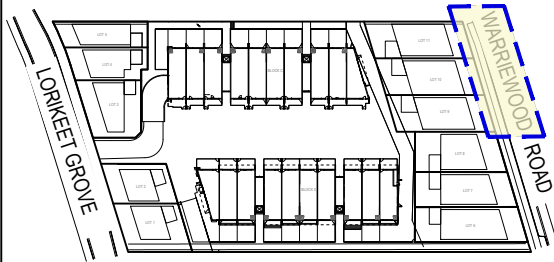
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						Client		Architect		ACOR Consultants (CC) Pty Ltd Platinum Building, Suite 2.01, 4 Ilya Avenue ERINA NSW 2250, Australia T +61 2 4324 3499		Project PROPOSED RESIDENTIAL DEVELOPMENT (No. 43 - 49) WARRIEWOOD ROAD WARRIEWOOD		Drawing Title KEY PLAN - ROADWORKS & DRAINAGE GENERAL ARRANGEMENT			
						WARRIEWOOD DEVELOPERS PTY LTD											
						North											
A						ISSUED FOR APPROVAL		15.12.23		RH		BK					
Issue						Description		Date		Drawn		Approved					
																	
Designed						Project No.		Dwg. No.		Issue							
BK						CC230177		C3.00		A							

NOTE: ALL PUBLIC DOMAIN
WORKS SUBJECT TO ROADS
ACT APPLICATION



LOCALITY PLAN



PIT SCHEDULE

PIT No.	TYPE	SIZE	TOP GRATE RL	INVERT OF OUTLET
P1 / 1	KIP	1.8m EKI	4.32	3.70
P1 / 2	KIP	1.8m EKI	4.32	3.60
P1 / 3	KIP	1.8m EKI	4.20	3.35
P2 / 1	KIP	1.8m EKI	4.10	3.50
P2 / 2	KIP	1.8m EKI	4.10	3.40
P3 / 1	KIP	1.8m EKI	12.35	11.30
P3 / 2	KIP	V GRATE	12.00	10.95
P3 / 3	KIP	V GRATE	11.70	10.50
P3 / 4	KIP	1.8m EKI	11.50	9.50
P3 / 5	PIT	1200 x 1200	10.00	8.78
P3 / 6	PIT	1200 x 1200	7.25	6.05
P3 / 7	PIT	1200 x 1200	6.31	5.20
P3 / 8	PIT	1200 x 1200	5.35	3.94
P3 / 9	PIT	1200 x 1200	3.30	3.31
PROPOSED PIT SURFACE LEVELS AND INVERTS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION				

FOR CONTINUATION REFER DRAWING SHEET C3.02

ROADWORKS & DRAINAGE PLAN
SCALE - 1:150/A1, 1:300/A3
0 1 2 4 6 8 10m

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North			
A	ISSUED FOR APPROVAL	15.12.23	RH BK
Issue	Description	Date	Drawn Approved
1:100m at full size			

Client
**WARRIEWOOD
DEVELOPERS
PTY LTD**

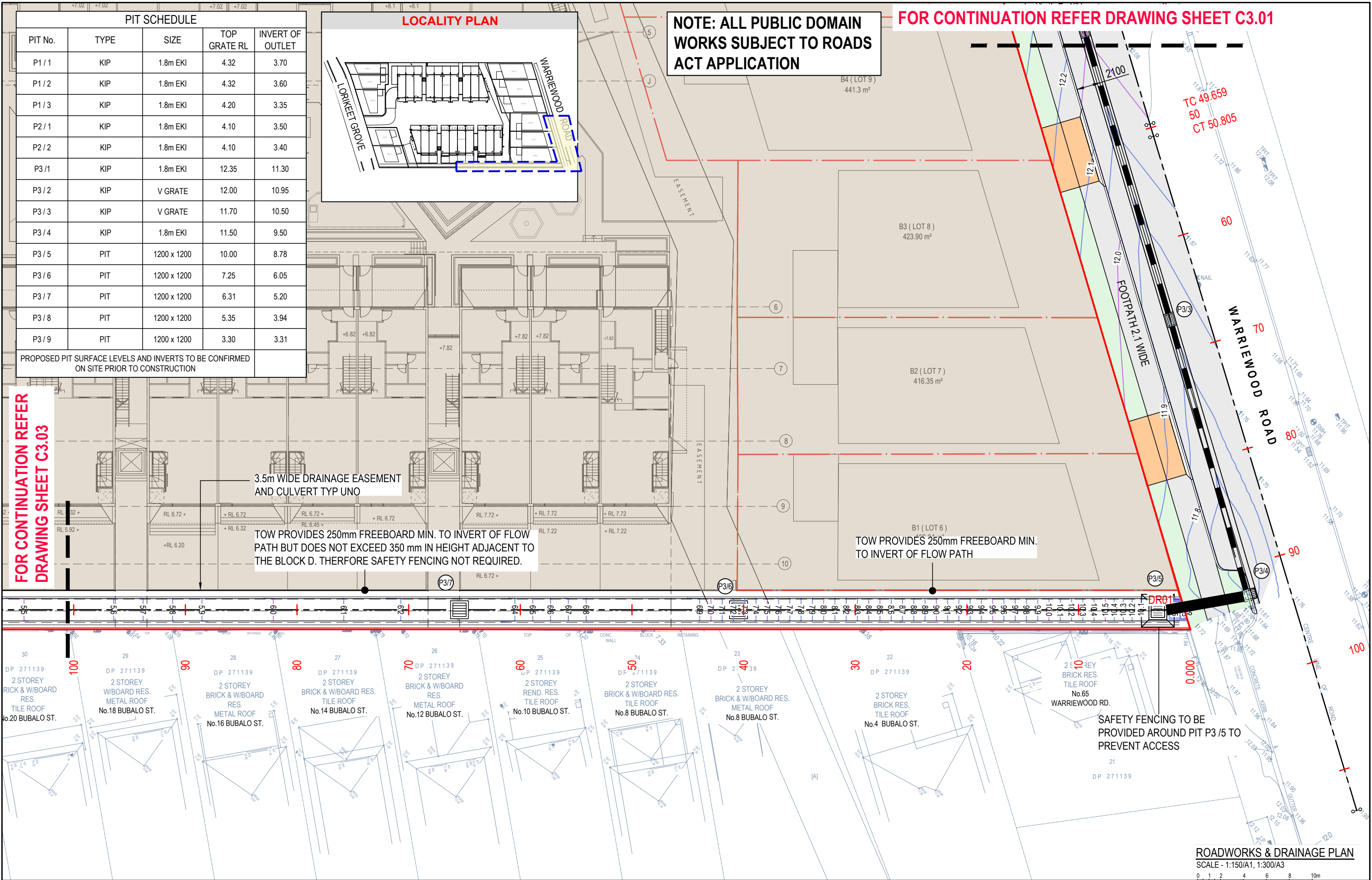
Architect

**Ac
OR**
CONSULTANTS
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
ACOR Consultants (CC) Pty Ltd
Platinum Building, Suite 2.01, 4 Ilya Avenue
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T +61 2 4324 3499

**PROPOSED RESIDENTIAL
DEVELOPMENT**
(No. 43 - 49)
WARRIEWOOD ROAD
WARRIEWOOD

Drawing Title ROAD WORKS & DRAINAGE PLAN SHEET 1 OF 5			
Drawn LW	Date DEC 2023	Scale AS NOTED	A1 Q.A. Check -
Designed BK	Project No. CC230177	Dwg. No. C3.01	Issue A



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A		ISSUED FOR APPROVAL	15.12.23	RH	BK
Issue	Description	Date	Drawn	Approved	

Client
WARRIWOOD DEVELOPERS
PTY LTD

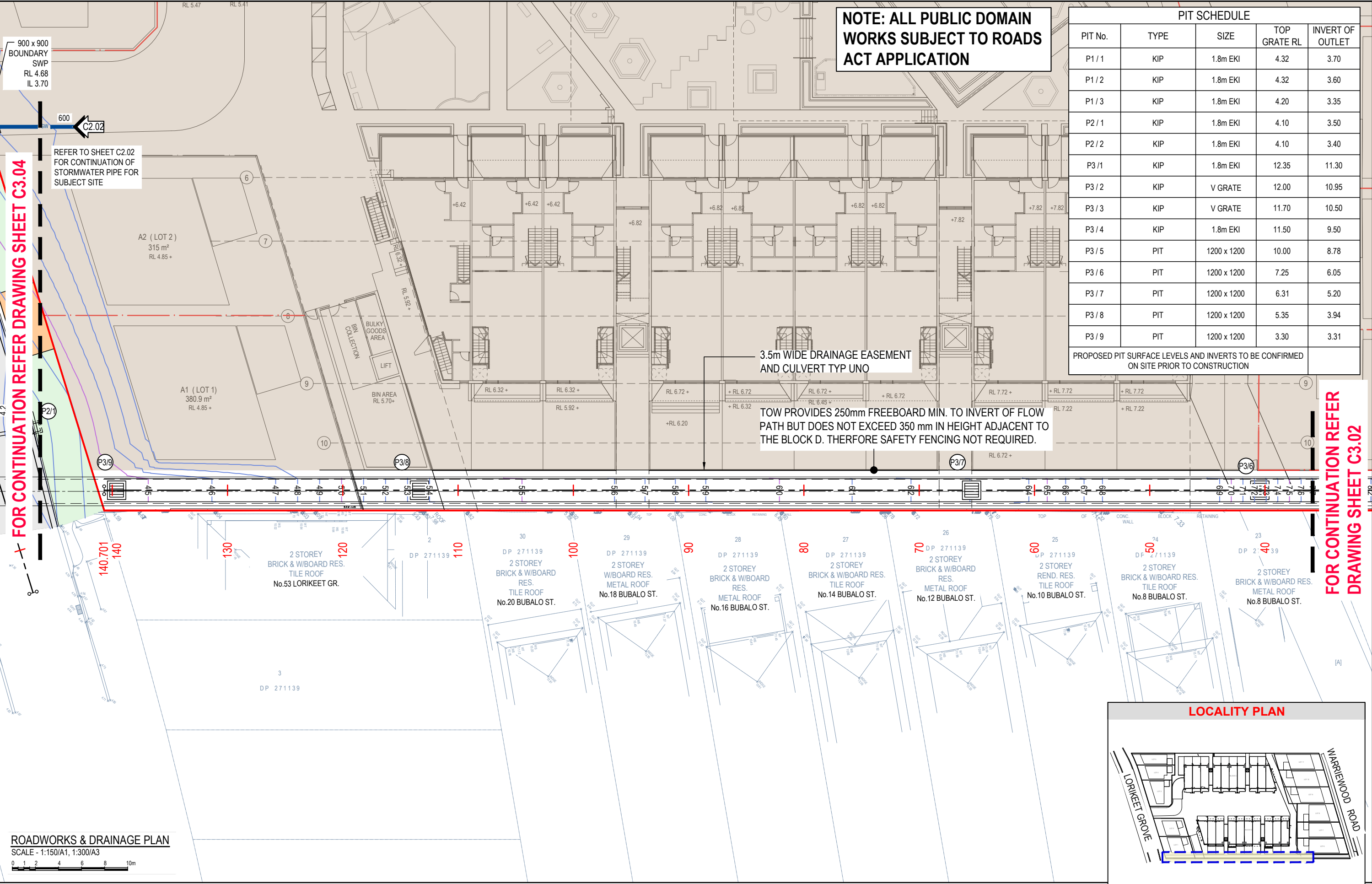
Architect

AcOR
CONSULTANTS
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project
ACOR Consultants (CC) Pty Ltd
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ERINA NSW 2250, Australia
T +61 2 4324 3499

PROPOSED RESIDENTIAL DEVELOPMENT
(No. 43 - 49)
WARRIWOOD ROAD
WARRIWOOD

Drawing Title ROAD WORKS & DRAINAGE PLAN SHEET 2 OF 5					
Drawn	Date	Scale	A1	Q.A. Check	Date
LW	DEC 2023	AS NOTED		-	-
Designed	Project No.	Dwg. No.	Issue		
BK	CC230177	C3.02	A		



FOR CONTINUATION REFER DRAWING SHEET C3.05

ON-SITE DETENTION/ BIORETENTION BASIN 1
ABOVE GROUND STORAGE AREA (SHOWN SHADED)
BASIN STORAGE VOLUME = 400 m³
TOP STORED WSL = RL 4.60
BASIN INVERT RL 3.10 NOM.
MAX STORED OSD WATER DEPTH - 0.97m NOM
MAX STORED WATER DEPTH - 1.5m NOM
CONSTRUCT 474m² OF BASIN SURFACE AREA
NOTE: CONSTRUCT 12m LONG OVERFLOW WEIR
TOP OF WEIR RL 4.52
NOTE: PROVIDE BASIN WITH IMPERMEABLE LINER TYP.

BASIN PUMP NOTE
PROVIDE PIT AND PUMP DESIGNED TO TO MANAGE BASE FLOWS SERVICING SENSITIVE VEGETATION. DETAILS TO BE CONFIRMED AT CC STAGE

ON-SITE DETENTION/ BIORETENTION BASIN 2
ABOVE GROUND STORAGE AREA (SHOWN SHADED)
BASIN STORAGE VOLUME = 140 m³
TOP STORED WSL = RL 4.20
BASIN INVERT RL 3.10 NOM.
MAX STORED OSD WATER DEPTH - 0.57m NOM
MAX STORED TOTAL WATER DEPTH - 1.1m NOM
CONSTRUCT 300m² OF BASIN SURFACE AREA
NOTE: PROVIDE BASIN WITH IMPERMEABLE LINER TYP.

100 DIA. SLOTTED PIPE FROM PUMP SYSTEM BE SECURED WITHIN ENERGY DISSIPATION SWALE AT RL 3.0 NOM.

900 SQUARE PIT. REFER TO DETAIL AND 300 DIA. OUTLET. REFER TO DETAIL

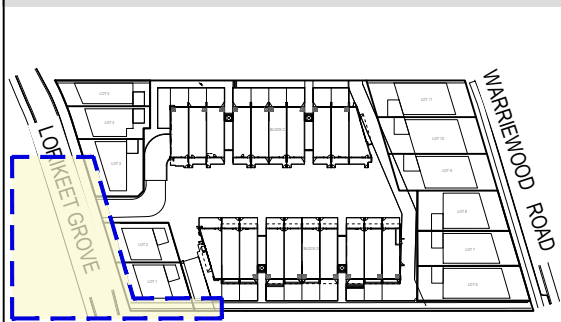
GPT CDS 1009 CUSTOM UNIT.

ENERGY DISSIPATION ZONE

CONCRETE HEADWALL
CONSTRUCT ROCK ARMOUR PROTECTION AND DIRECT TOWARDS LEVEL SPREADER/OVERFLOW ENERGY DISSIPATION. INVERT LEVEL OF OUTLET RL2.70 m AHD. REFER TO DETAIL ON SHEET C3.15

NOTE: ALL PUBLIC DOMAIN WORKS SUBJECT TO ROADS ACT APPLICATION

LOCALITY PLAN



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Issue		Description	Date	Drawn	Approved
A		ISSUED FOR APPROVAL	15.12.23	RH	BK
Issue		Description	Date	Drawn	Approved

Client
WARRIEWOOD DEVELOPERS
PTY LTD

Architect



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ERINA NSW 2250, Australia
T +61 2 4324 3499



Project
PROPOSED RESIDENTIAL DEVELOPMENT
(No. 43 - 49)
WARRIEWOOD ROAD
WARRIEWOOD

Drawing Title		Project	
ROAD WORKS & DRAINAGE PLAN		SHEET 4 OF 5	
Drawn	Date	Scale	A1
LW	DEC 2023	AS NOTED	-
Designed	Project No.	Dwg. No.	Issue
BK	CC230177	C3.04	A

ROADWORKS & DRAINAGE PLAN
SCALE - 1:150/A1, 1:300/A3



3
DP 271139

2 STOREY
BRICK & W/BOARD RES.
TILE ROOF
No.53 LORIKEET GR.

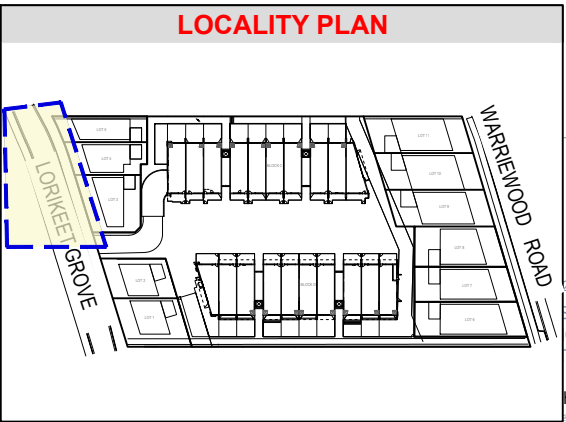
BIN COLLECTION
BULKY GOODS AREA
LIFT
BIN AREA
RL 5.70+

PROPOSED PIT SURFACE LEVELS AND INVERTS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION

PIT SCHEDULE				
PIT No.	TYPE	SIZE	TOP GRATE RL	INVERT OF OUTLET
P1 / 1	KIP	1.8m EKI	4.32	3.70
P1 / 2	KIP	1.8m EKI	4.32	3.60
P1 / 3	KIP	1.8m EKI	4.20	3.35
P2 / 1	KIP	1.8m EKI	4.10	3.50
P2 / 2	KIP	1.8m EKI	4.10	3.40
P3 / 1	KIP	1.8m EKI	12.35	11.30
P3 / 2	KIP	V GRATE	12.00	10.95
P3 / 3	KIP	V GRATE	11.70	10.50
P3 / 4	KIP	1.8m EKI	11.50	9.50
P3 / 5	PIT	1200 x 1200	10.00	8.78
P3 / 6	PIT	1200 x 1200	7.25	6.05
P3 / 7	PIT	1200 x 1200	6.31	5.20
P3 / 8	PIT	1200 x 1200	5.35	3.94
P3 / 9	PIT	1200 x 1200	3.30	3.31

FOR CONTINUATION REFER DRAWING SHEET C3.03

NOTE: ALL PUBLIC DOMAIN
WORKS SUBJECT TO ROADS
ACT APPLICATION



PIT SCHEDULE				
PIT No.	TYPE	SIZE	TOP GRATE RL	INVERT OF OUTLET
P1 / 1	KIP	1.8m EKI	4.32	3.70
P1 / 2	KIP	1.8m EKI	4.32	3.60
P1 / 3	KIP	1.8m EKI	4.20	3.35
P2 / 1	KIP	1.8m EKI	4.10	3.50
P2 / 2	KIP	1.8m EKI	4.10	3.40
P3 / 1	KIP	1.8m EKI	12.35	11.30
P3 / 2	KIP	V GRATE	12.00	10.95
P3 / 3	KIP	V GRATE	11.70	10.50
P3 / 4	KIP	1.8m EKI	11.50	9.50
P3 / 5	PIT	1200 x 1200	10.00	8.78
P3 / 6	PIT	1200 x 1200	7.25	6.05
P3 / 7	PIT	1200 x 1200	6.31	5.20
P3 / 8	PIT	1200 x 1200	5.35	3.94
P3 / 9	PIT	1200 x 1200	3.30	3.31
PROPOSED PIT SURFACE LEVELS AND INVERTS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION				

ON-SITE DETENTION/
BIORETENTION BASIN 1
ABOVE GROUND STORAGE AREA
(SHOWN SHADED)
BASIN STORAGE VOLUME = 400 m³
TOP STORED WSL = RL 4.60
BASIN INVERT RL 3.10 NOM.
MAX STORED OSD WATER DEPTH - 0.97m NOM
MAX STORED WATER DEPTH - 1.5m NOM
CONSTRUCT 474m² OF BASIN SURFACE AREA
NOTE: CONSTRUCT 12m LONG OVERFLOW WEIR
TOP OF WEIR RL 4.52
NOTE: PROVIDE BASIN WITH IMPERMEABLE
LINER TYP.

BASIN PUMP NOTE
PROVIDE PIT AND PUMP DESIGNED
TO TO MANAGE BASE FLOWS
SERVICING SENSITIVE
VEGETATION. DETAILS TO BE
CONFIRMED AT CC STAGE

ROADWORKS & DRAINAGE PLAN
SCALE - 1:150/A1, 1:300/A3

0 1 2 4 6 8 10m

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A		ISSUED FOR APPROVAL	15.12.23	RH	BK
Issue	Description	Date	Drawn	Approved	

Client
**WARRIEWOOD
DEVELOPERS
PTY LTD**

Architect



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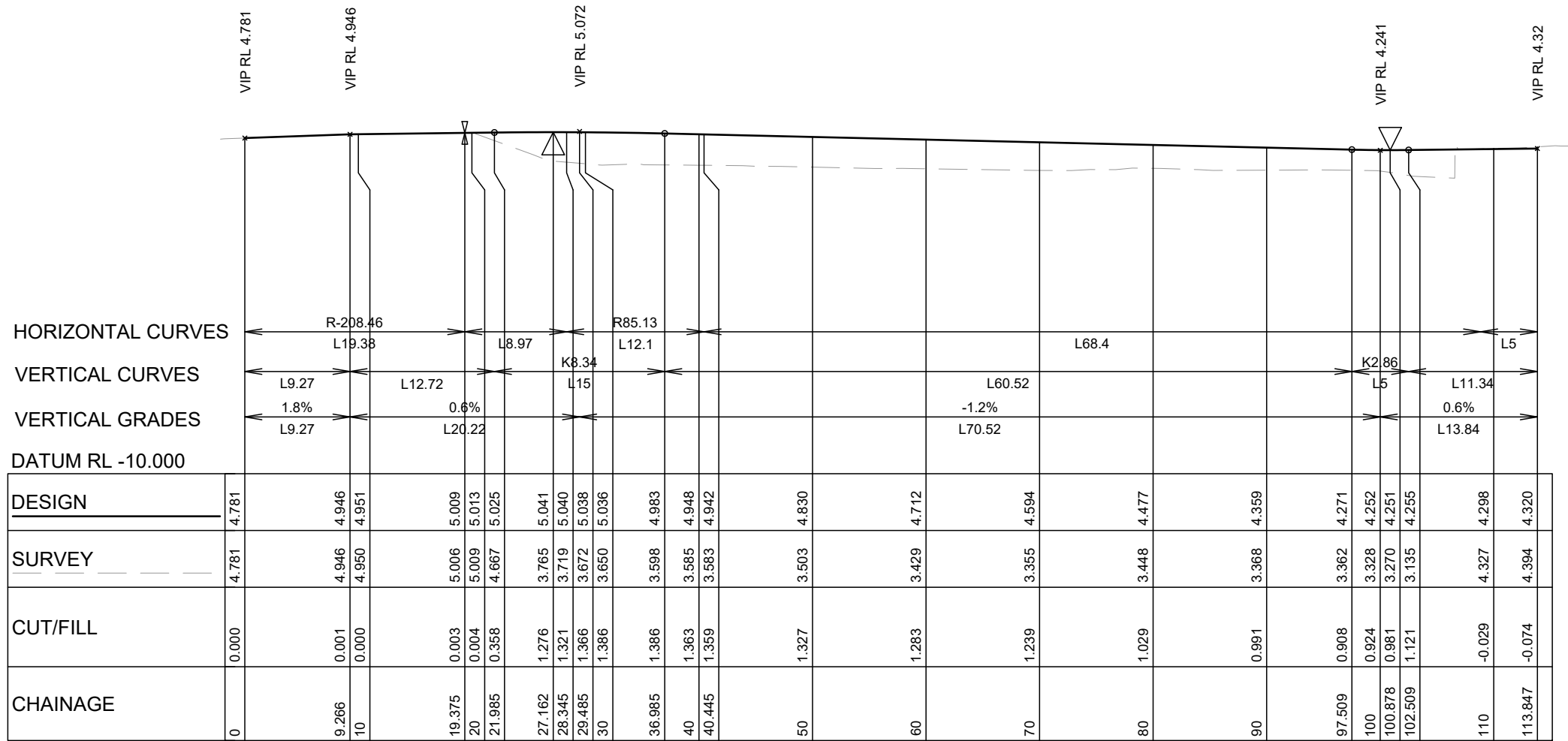
Project

**PROPOSED RESIDENTIAL
DEVELOPMENT**
(No. 43 - 49)
WARRIEWOOD ROAD
WARRIEWOOD

Drawing Title

**ROAD WORKS & DRAINAGE PLAN
SHEET 5 OF 5**

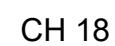
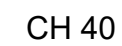
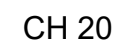
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Designed BK	Project No. CC230177	Dwg. No. C3.05		Issue A	



MC01 - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:250

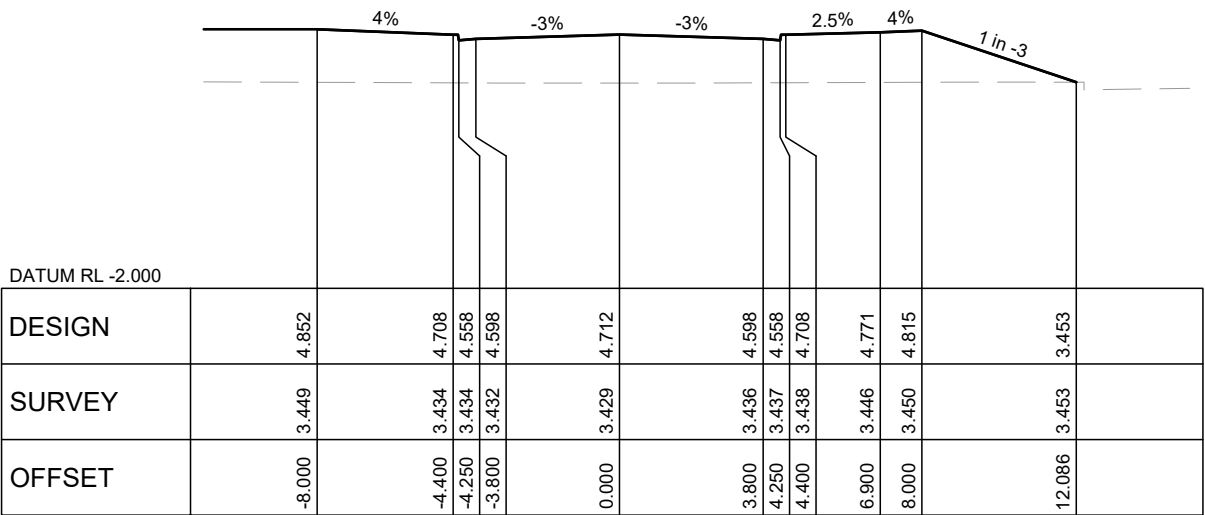
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					North		Client		Architect		ACOR CONSULTANTS		ACOR Consultants (CC) Pty Ltd Platinum Building, Suite 2.01, 4 Ilya Avenue ERINA NSW 2250, Australia T +61 2 4324 3499		Project		PROPOSED RESIDENTIAL DEVELOPMENT (No. 43 - 49) WARRIEWOOD ROAD WARRIEWOOD		Drawing Title ROAD LONGITUDINAL SECTION (MC01) - LORIKEET GROVE			
A		ISSUED FOR APPROVAL			15.12.23		RH		BK		Drawn		Date		Scale		A1		Q.A. Check		Date	
LW													DEC 2023		AS NOTED		-		-			
Designed		BK			Project No.		CC230177		Dwg. No.		C3.06		Issue		A							

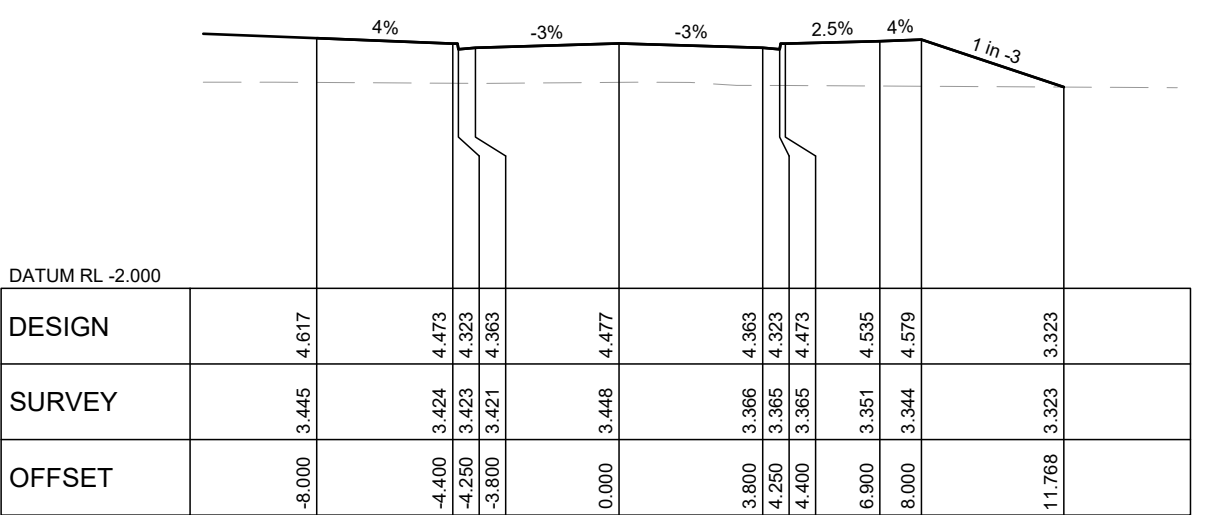


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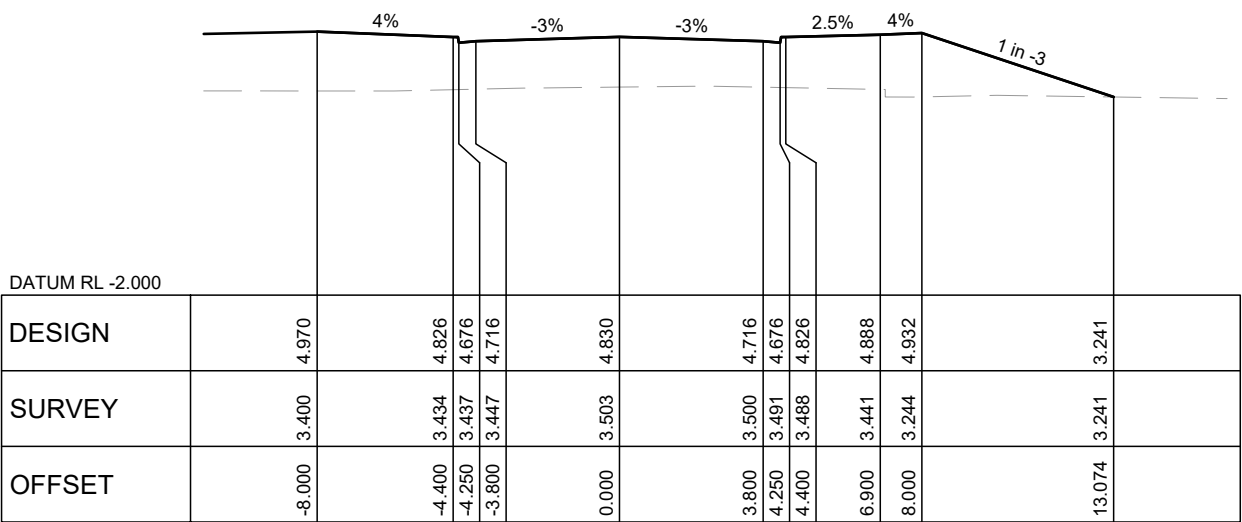
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						North		Client			
								WARRIEWOOD DEVELOPERS PTY LTD			
A						ISSUED FOR APPROVAL		15.12.23 RH BK			
Issue						Description		Date Drawn Approved			
1						0		15cm			
1						0		15cm			
								Architect			
								ACOR Consultants (CC) Pty Ltd Platinum Building, Suite 2.01, 4 Ilya Avenue ERINA NSW 2250, Australia T +61 2 4324 3499			
								Project			
								PROPOSED RESIDENTIAL DEVELOPMENT (No. 43 - 49) WARRIEWOOD ROAD WARRIEWOOD			
								Drawing Title			
								ROAD CROSS SECTIONS (MC01) LORIKEET GROVE SHEET 1 OF 3			
Drawn		Date		Scale		A1		G.A. Check		Date	
LW		DEC 2023		AS NOTED				-		-	
Designed		Project No.		Dwg. No.		Issue		A			
BK		CC230177		C3.07		A					



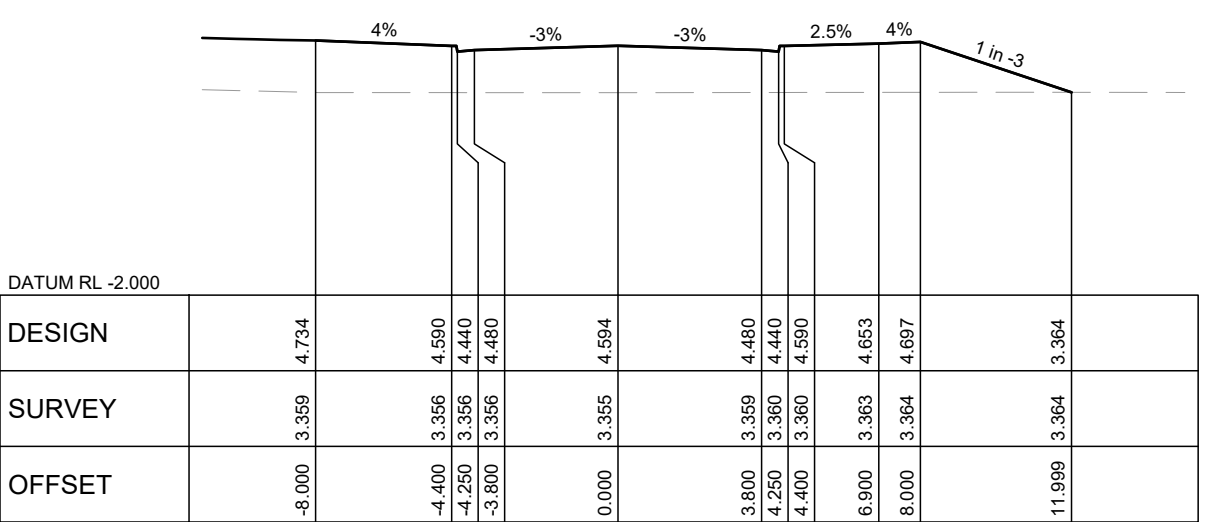
CH 60



CH 80



CH 50



CH 70

HORZ SCALE 1:200
VERT SCALE 1:400

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				North	
A	ISSUED FOR APPROVAL	15.12.23	RH	BK	
Issue	Description	Date	Drawn	Approved	

010m at full size

010m

Client

WARRIEWOOD DEVELOPERS PTY LTD

Architect

AcOR

CONSULTANTS

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Project

ACOR Consultants (CC) Pty Ltd

Platinum Building, Suite 2.01, 4 Ilya Avenue

ERINA NSW 2250, Australia

T +61 2 4324 3499

PROPOSED RESIDENTIAL DEVELOPMENT

(No. 43 - 49)

WARRIEWOOD ROAD

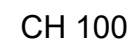
WARRIEWOOD

Drawing Title

ROAD CROSS SECTIONS (MC01)

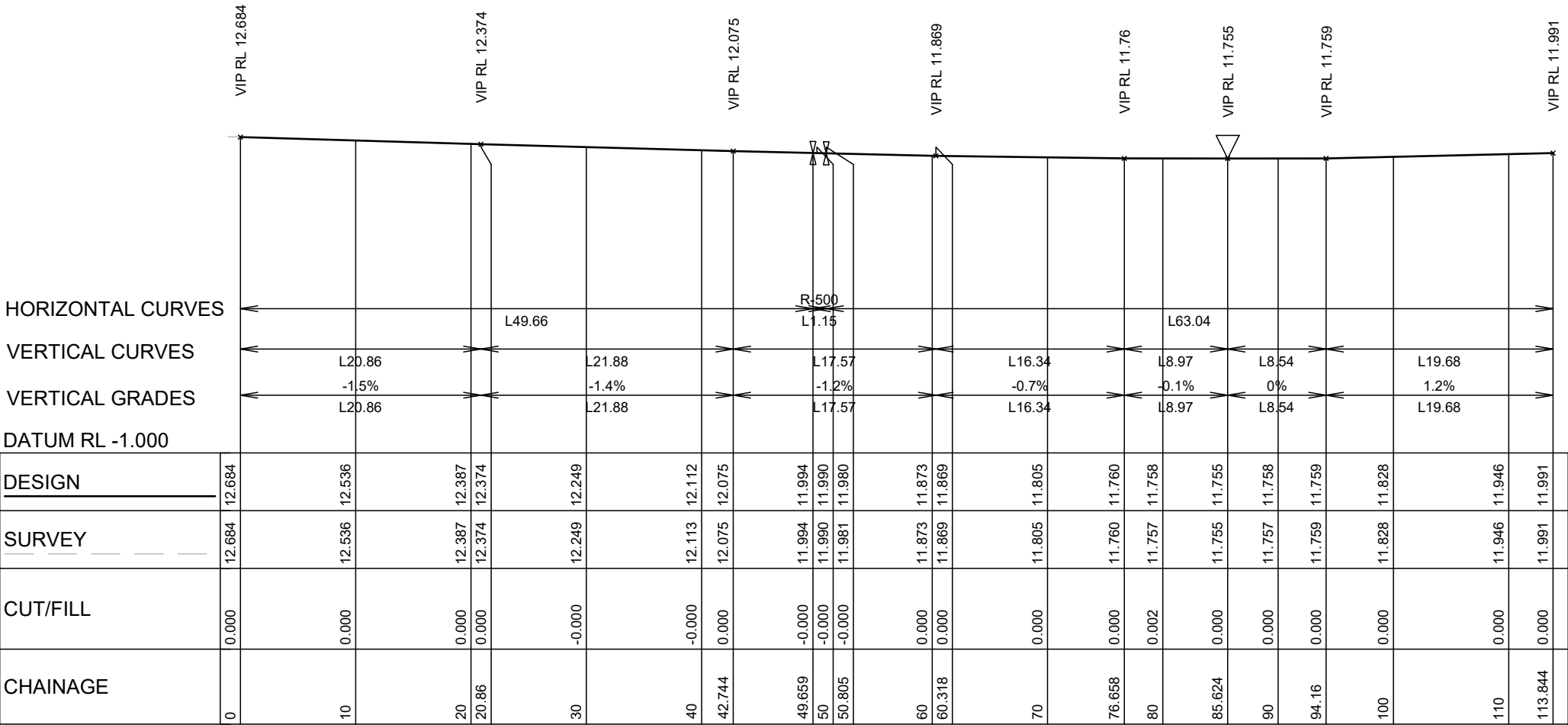
LORIKEET GROVE SHEET 2 OF 3

Drawn	Date	Scale	A1	Q.A. Check	Date
LW	DEC 2023	AS NOTED	-	-	-
Designed	Project No.		Dwg. No.		Issue
BK	CC230177		C3.08		A



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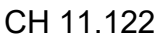
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Client: WARRIEWOOD DEVELOPERS PTY LTD									
Architect: ACOR Consultants (CC) Pty Ltd Platinum Building, Suite 2.01, 4 Ilya Avenue ERINA NSW 2250, Australia T +61 2 4324 3499									
Project: PROPOSED RESIDENTIAL DEVELOPMENT (No. 43 - 49) WARRIEWOOD ROAD WARRIEWOOD									
Drawing Title: ROAD CROSS SECTIONS (MC01) LORIKEET GROVE SHEET 3 OF 3									
Drawn: LW		Date: DEC 2023		Scale: AS NOTED		A1: Q.A. Check		Date: -	
Designed: BK		Project No: C3230177		Dwg. No: C3.09		Issue: A		Date: -	



MC02 - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:250

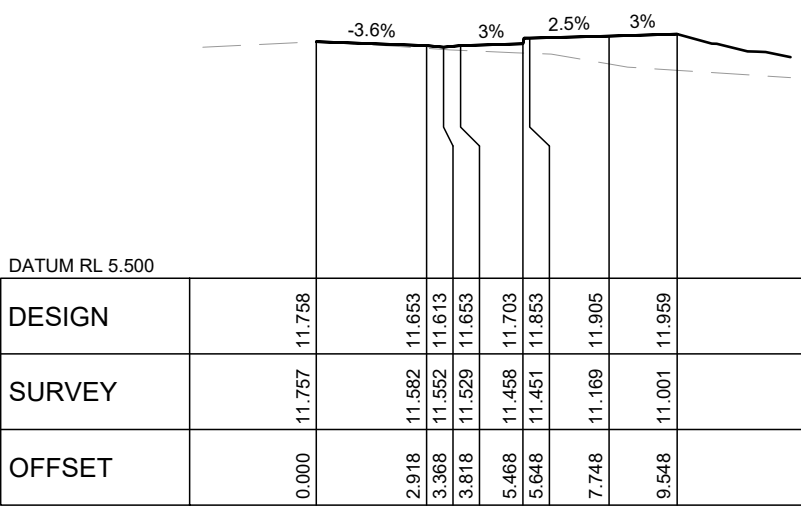
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North					Client		Architect		Project		Drawing Title	
					WARRIEWOOD DEVELOPERS PTY LTD				ACOR Consultants (CC) Pty Ltd Platinum Building, Suite 2.01, 4 Ilya Avenue ERINA NSW 2250, Australia T +61 2 4324 3499		ROAD LONGITUDINAL SECTION (MC02) - WARRIEWOOD ROAD	
A		ISSUED FOR APPROVAL		15.12.23	RH	BK			PROPOSED RESIDENTIAL DEVELOPMENT		Drawn	Date
											LW	DEC 2023
Issue		Description		Date	Drawn	Approved					Scale	A1
											AS NOTED	-
											Q.A. Check	Date
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											Designed	Project No.
											BK	CC230177
											Dwg. No.	Issue
											C3.10	A

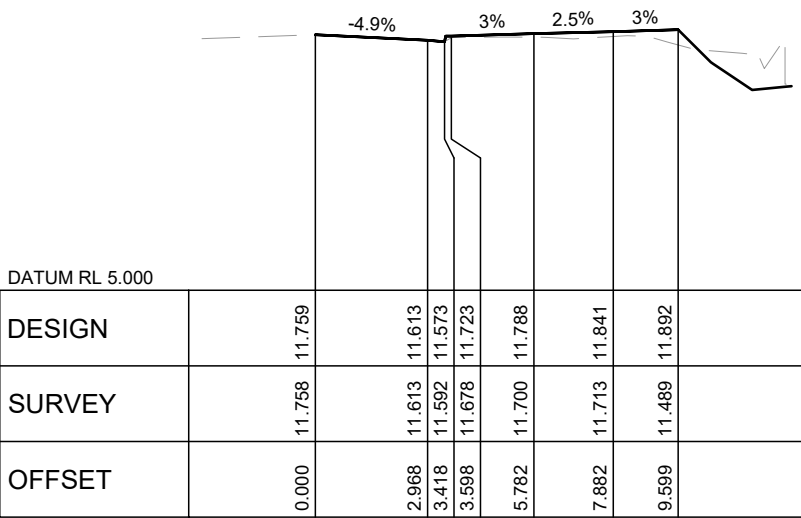


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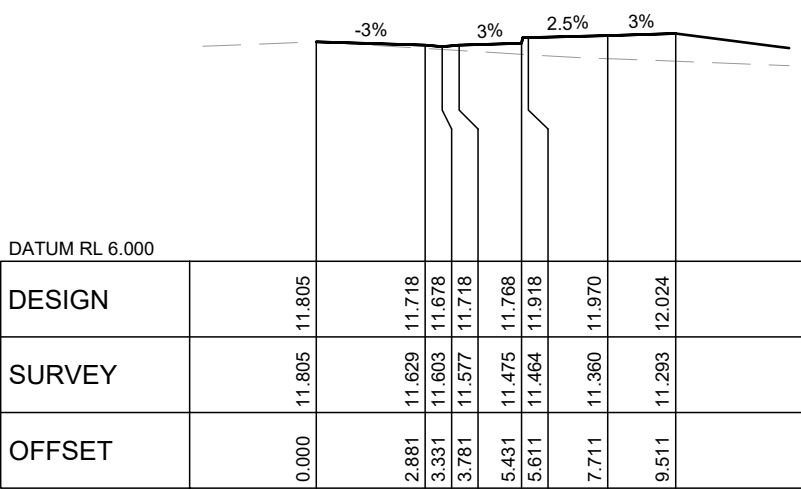
					North		Client WARRIEWOOD DEVELOPERS PTY LTD		Project ACOR Consultants (CC) Pty Ltd Platinum Building, Suite 2.01, 4 Ilya Avenue ERINA NSW 2250, Australia T +61 2 4324 3499		Drawing Title ROAD CROSS SECTIONS (MC02) WARRIEWOOD ROAD SHEET 1 OF 2	
A ISSUED FOR APPROVAL					15.12.23		RH		BK		Scale AS NOTED	
Issue Description 					Date		Drawn		Approved		Date DEC 2023	
											G.A. Check -	
											Date -	
											Dwg. No. CC230177	
											Issue A	



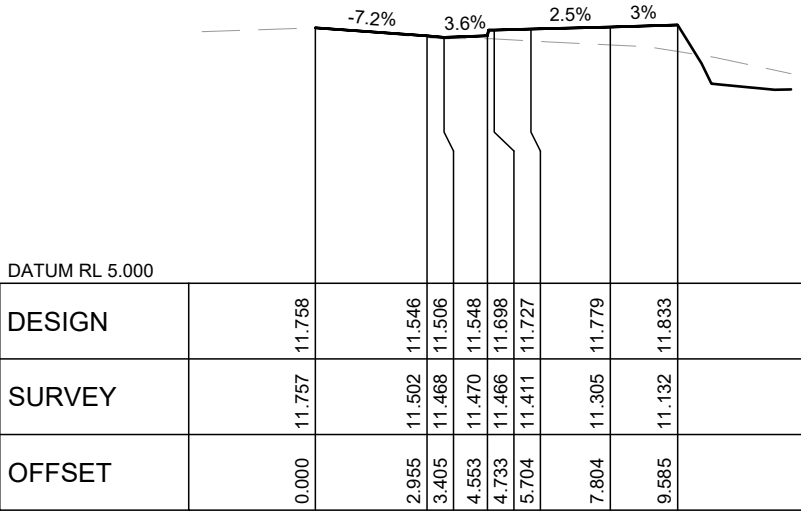
CH 80



CH 93.576



CH 70

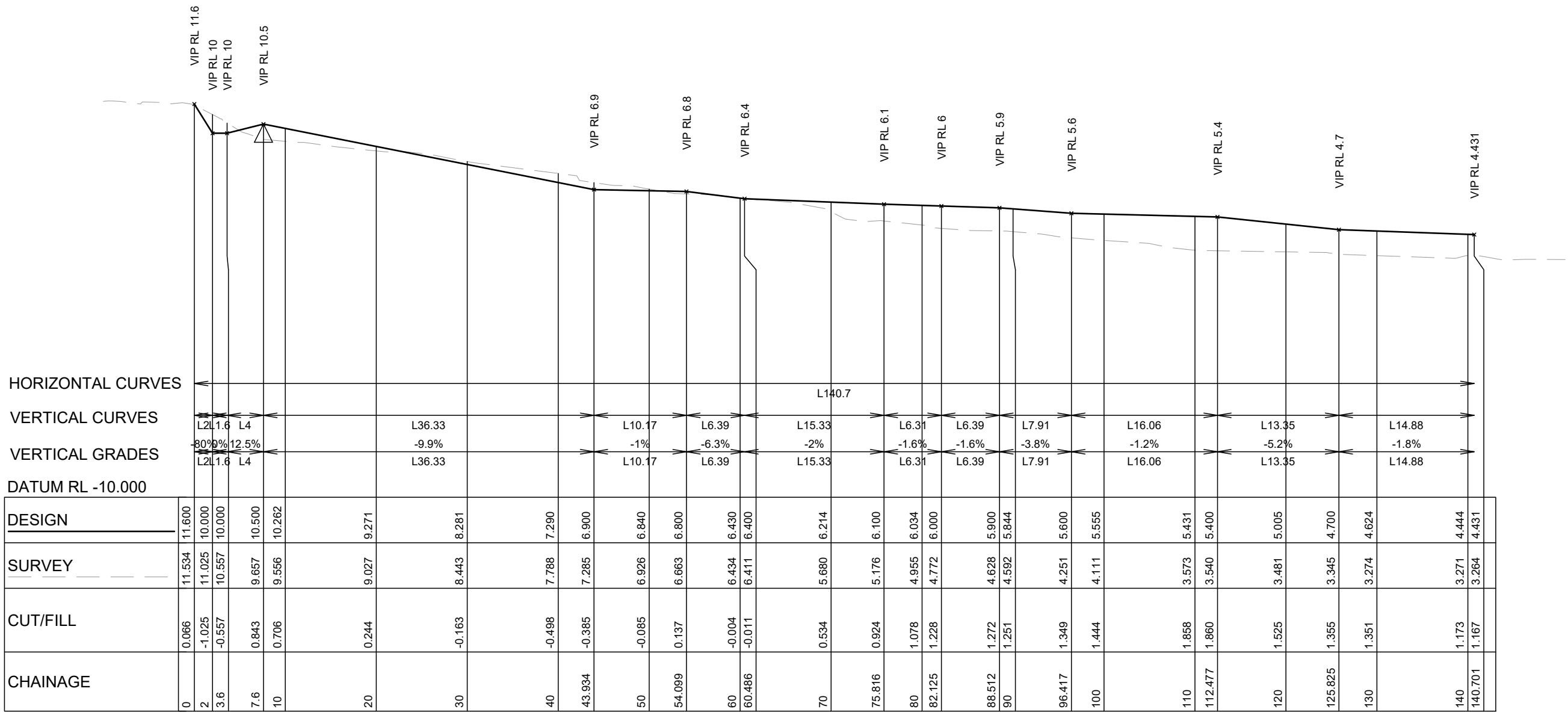


CH 90

HORZ SCALE 1:200
VERT SCALE 1:400

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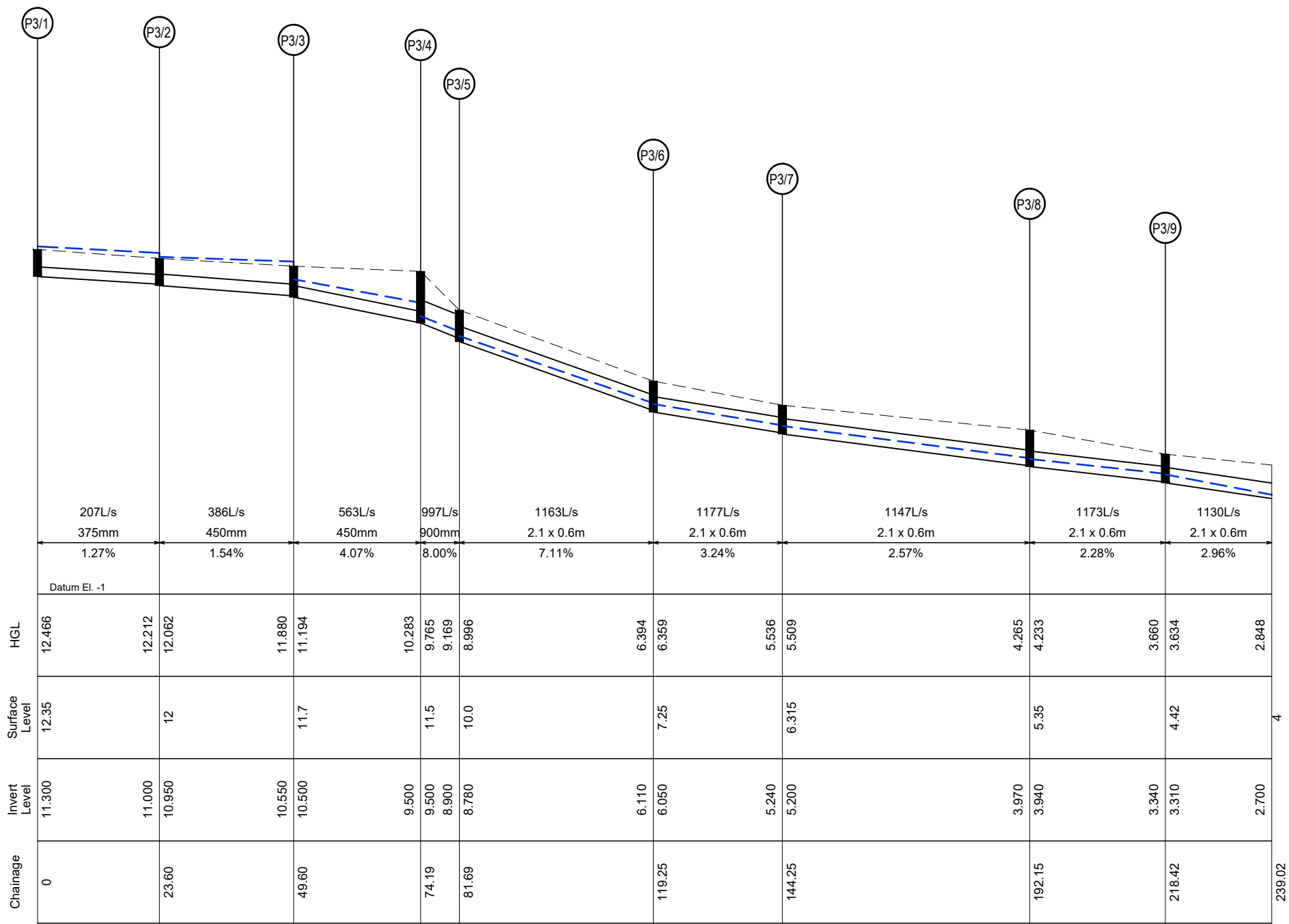
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						WARRIEWOOD DEVELOPERS PTY LTD				AcOR CONSULTANTS		PROPOSED RESIDENTIAL DEVELOPMENT		ROAD CROSS SECTIONS (MC02) WARRIEWOOD ROAD SHEET 2 OF 2	
A				ISSUED FOR APPROVAL		15.12.23		RH		BK		Drawn		Date	
Issue				Description		Date		Drawn		Approved		LW		DEC 2023	
0				10m at full size		10m						Scale		A1	
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												Designed		Date	
												BK		-	
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														C3.12	
														Issue	
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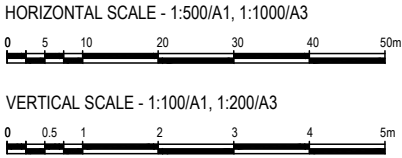
DR01 - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:250

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										North		Client		Architect		ACOR CONSULTANTS (CC) PTY LTD Platinum Building, Suite 2.01, 4 Ilya Avenue ERINA NSW 2250, Australia T +61 2 4324 3499		Project		Drawing Title									
												WARRIEWOOD DEVELOPERS PTY LTD				 ENGINEERS MANAGERS INFRASTRUCTURE PLANNERS DEVELOPMENT CONSULTANTS		PROPOSED RESIDENTIAL DEVELOPMENT (No. 43 - 49) WARRIEWOOD ROAD WARRIEWOOD		DRAINAGE EASEMENT LONGITUDINAL SECTION (DR01)									
A		ISSUED FOR APPROVAL								15.12.23		RH		BK				Drawn		Date		Scale		A1		Q.A. Check		Date	
Issue		Description								Date		Drawn		Approved				LW		DEC 2023		AS NOTED		-		-		-	
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																		BK		CC230177									

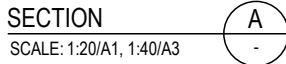
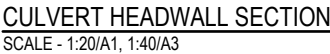


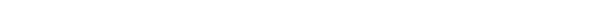
LONG SECTION (100YR ARI + CC)
DRAINAGE LINE 3

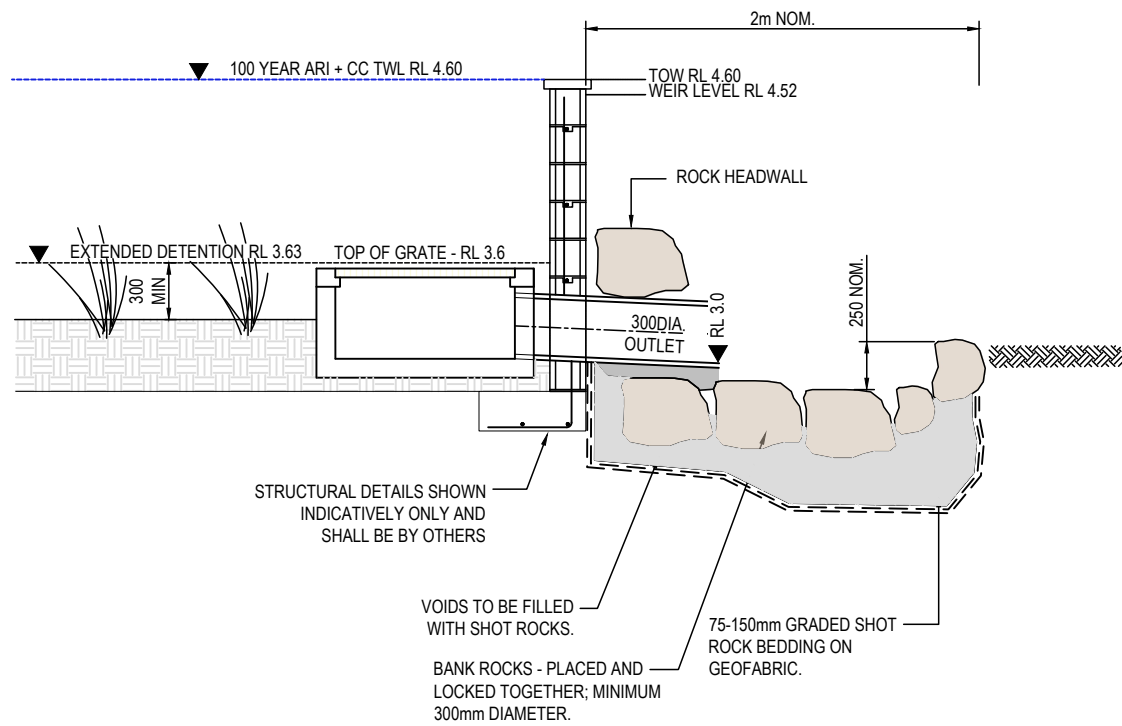


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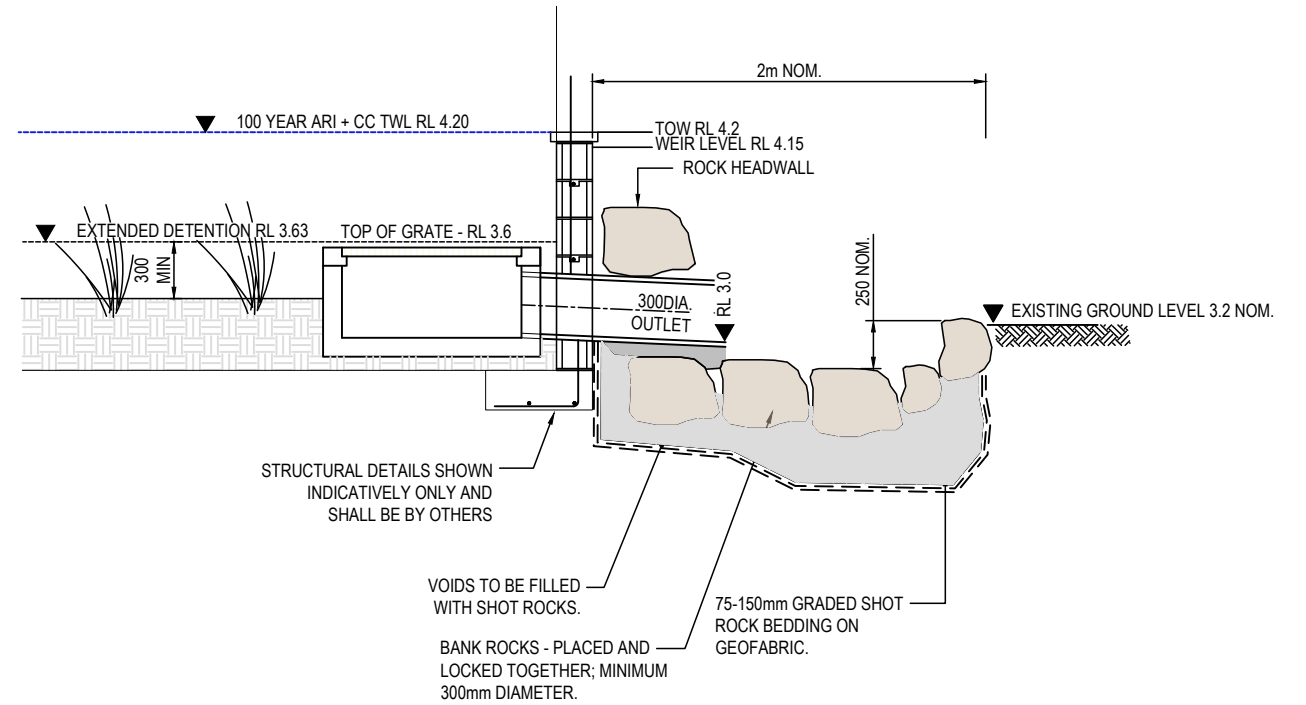
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												WARRIEWOOD DEVELOPERS PTY LTD		ACOR Consultants (CC) Pty Ltd Platinum Building, Suite 2.01, 4 Ilya Avenue ERINA NSW 2250, Australia T +61 2 4324 3499		PROPOSED RESIDENTIAL DEVELOPMENT (No. 43 - 49) WARRIEWOOD ROAD WARRIEWOOD		DRAINAGE PIT & PIPE LONGITUDINAL SECTION			
A										ISSUED FOR APPROVAL		15.12.23		RH		BK		Q.A. Check		Date	
Issue										Description		Date		Drawn		Approved					
0										1cm at full size		15cm									



					Client		Project		Drawing Title	
					WARRIEWOOD DEVELOPERS PTY LTD		ACOR Consultants (CC) Pty Ltd Platinum Building, Suite 2.01, 4 Illya Avenue ERINA NSW 2250, Australia T +61 2 4324 3499		TYPICAL DETAIL SHEET 1 OF 2	
					North		Architect		Proposed Residential Development (No. 43 - 49) WARRIEWOOD ROAD WARRIEWOOD	
							 ENGINEERS MANAGERS INFRASTRUCTURE PLANNERS DEVELOPMENT CONSULTANTS		Drawn LW Date DEC 2023 Scale AS NOTED A1 G.A. Check - Date -	
A ISSUED FOR APPROVAL 15.12.23 RH BK Issue Description Date Drawn Approved 									Designed BK Project No. CC230177 Dwg. No. C3.15 Issue A	



OUTLET AND ENERGY DISSIPATION SWALE - BASIN 1
NOT TO SCALE



OUTLET AND ENERGY DISSIPATION SWALE - BASIN 2
NOT TO SCALE

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				North		Client		Architect		Project		Drawing Title	
						WARRIEWOOD DEVELOPERS PTY LTD				ACOR Consultants (CC) Pty Ltd Platinum Building, Suite 2.01, 4 Ilya Avenue ERINA NSW 2250, Australia T +61 2 4324 3499		TYPICAL DETAIL SHEET 2 OF 2	
A				ISSUED FOR APPROVAL		15.12.23		RH		BK		Date	
Issue				Description		Date		Drawn		Approved		Scale	
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												-	
												Dwg. No.	
												C3.16	
												Issue	
												A	



ACOR CONSULTANTS ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

PROPOSED RESIDENTIAL DEVELOPMENT
(No. 43 - 49)
WARRIEWOOD ROAD
WARRIEWOOD

Project No. CC230177
Dwg. No. C3.16
Issue A