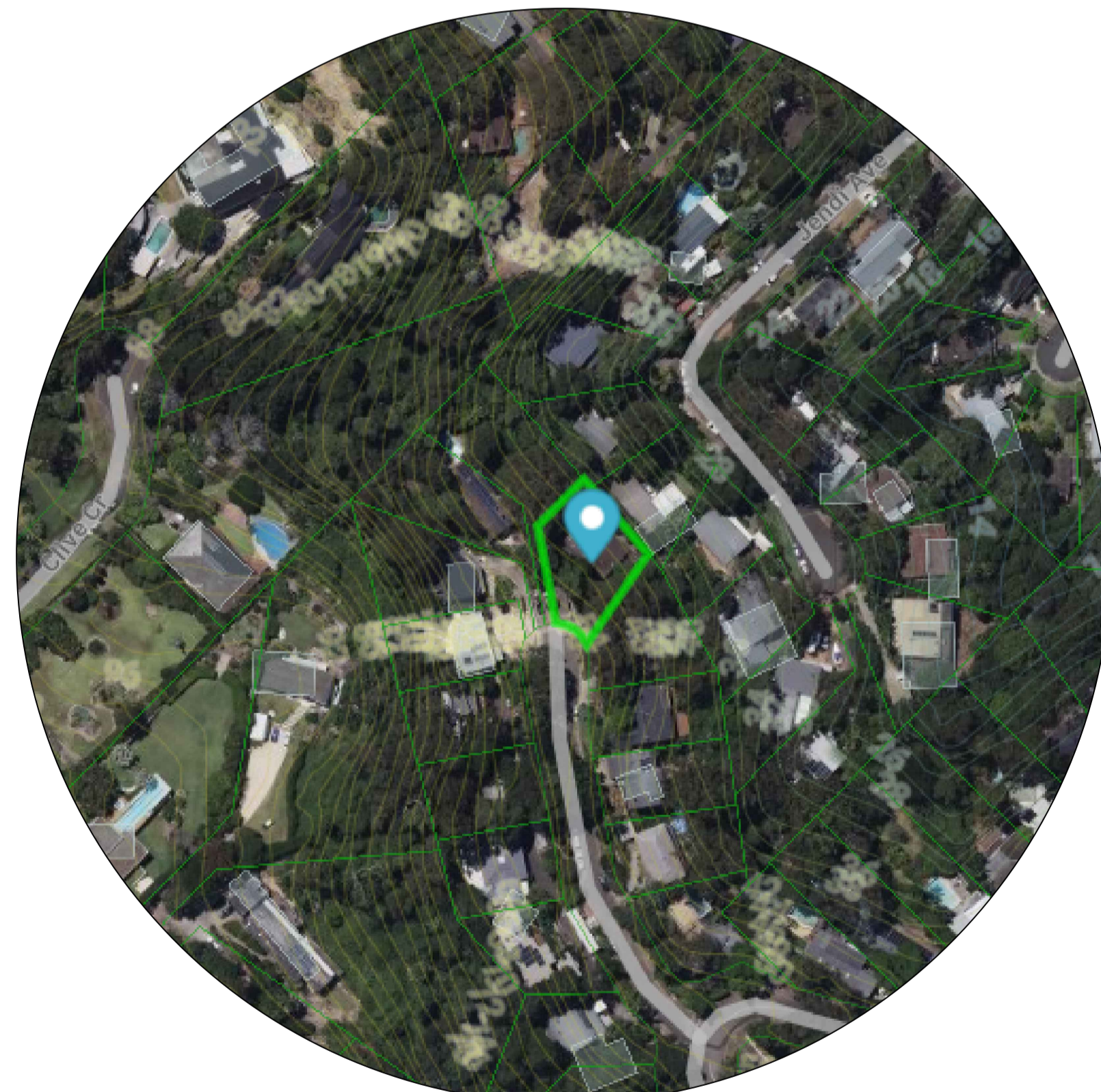


STORMWATER MANAGEMENT PLANS

10 KOOKABURRA CLOSE, BAYVIEW

DEVELOPMENT APPLICATION

SCHEDULE OF DRAWINGS	
DRAWING No.	DESCRIPTION
24185-SW01	COVER SHEET
24185-SW02	SEDIMENT AND EROSION CONTROL PLAN
24185-SW03	STORMWATER MANAGEMENT PLAN SHEET 1
24185-SW04	STORMWATER MANAGEMENT PLAN SHEET 2
24185-SW05	STORMWATER MANAGEMENT DETAILS
24185-CV01	CIVIL AND LONGSECTION SHEET
24185-CV02	COUNCIL STANDARD DRAWINGS



SITE LOCALITY PLAN
NTS

- #### GENERAL
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE LOCAL COUNCIL ENGINEERING SPECIFICATIONS.
 - FINAL LOCATION OF NEW DOWNPIPES TO BE DETERMINED BY BUILDER/ARCHITECT AT TIME OF CONSTRUCTION.
 - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTS AND OTHER CONSULTANT DRAWINGS. ANY DISCREPANCIES MUST BE REFERRED TO THE ENGINEER BEFORE PROCEEDING.
 - INSPECTIONS BY THE CERTIFYING AUTHORITY SHALL BE CARRIED OUT FOR ALL THE CIVIL WORKS PRIOR TO RELEASE OF THE HOLD POINTS INCLUDING THE FOLLOWING STAGES:
 - PRIOR TO INSTALLATION OF EROSION AND SEDIMENT CONTROL STRUCTURES
 - FINAL INSPECTION AFTER ALL WORKS ARE COMPLETED AND 'WORK AS EXECUTED' PLANS HAVE BEEN SUBMITTED TO COUNCIL
 - MAKE SMOOTH JUNCTIONS WITH EXISTING WORKS.
 - NO WORK TO BE CARRIED OUT ON COUNCIL PROPERTY OR ADJOINING PROPERTIES WITHOUT THE WRITTEN PERMISSION FROM THE OWNER/S.
 - VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION.
 - ALL RUBBISH, BUILDINGS, SHEDS AND FENCES TO BE REMOVED TO SATISFACTION OF COUNCIL'S ENGINEER.
 - THE CONTRACTOR SHALL OBTAIN ALL LEVELS FROM ESTABLISHED BENCH MARKS ONLY.

WARNING
BWARE OF UNDERGROUND SERVICES

The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works **DIAL 1100 BEFORE YOU DIG**
www.1100.com.au

TABLE 7.1
MINIMUM PIPE COVER
(from finished surface to top of pipe)

Location	millimetres	
	Cast iron, ductile iron, galvanized steel	Other authorized ^a products
Minimum cover		
1 Not subject to vehicular loading:		
(a) without pavement—		
(i) for single dwellings	Nil	100
(ii) for other than item (i)	Nil	300
(b) with pavement of brick or unreinforced concrete	Nil†	50*
2 Subject to vehicular loading:		
(a) other than roads—		
(i) without pavement	300	450
(ii) with pavement of—		
(A) reinforced concrete for heavy vehicular loading	Nil‡	100‡
(B) brick or unreinforced concrete for light vehicular loading	Nil‡	75‡
(b) roads—		
(i) sealed	300	500‡
(ii) unsealed	300	500‡
3 Subject to construction equipment loading or in embankment conditions	300	500‡

^a Includes overlay above the top of the pipe of not less than 50 mm thick.
[†] Below the underside of the pavement.
[‡] Subject to compliance with AS 1762, AS 2033, AS/NZS 2566.1, AS 3725 or AS 4060.

AS3500.3

- #### EXISTING UNDERGROUND SERVICES NOTES
- CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS. CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

- #### SITWORKS NOTES
- ORIGIN OF LEVELS-- REFER SURVEY NOTES.
 - CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. A
 - MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
 - ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
 - BASE AND SUB-BASE LAYERS ARE TO BE INSPECTED AND TESTED BY AN INDEPENDENT GEOTECHNICAL TESTING AUTHORITY TO LEVEL 1 RESPONSIBILITY AS DEFINED IN AS3798.
 - ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS FORM 3051, COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m³ OF BASECOURSE MATERIAL PLACED.
 - ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS FORM 3051, AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m³ OF SUB-BASE COURSE MATERIAL PLACED.
 - SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
 - WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

MINIMUM GRADIENT OF SITE STORMWATER DRAINS

Nominal size	Minimum gradient		Nominal size	Minimum gradient	
	DN	Aust. NZ		DN	Aust. NZ
90	1:100	1:50	225	1:200	1:350
100	1:100	1:120	300	1:250	1:350
150	1:100	1:200	375	1:300	1:350

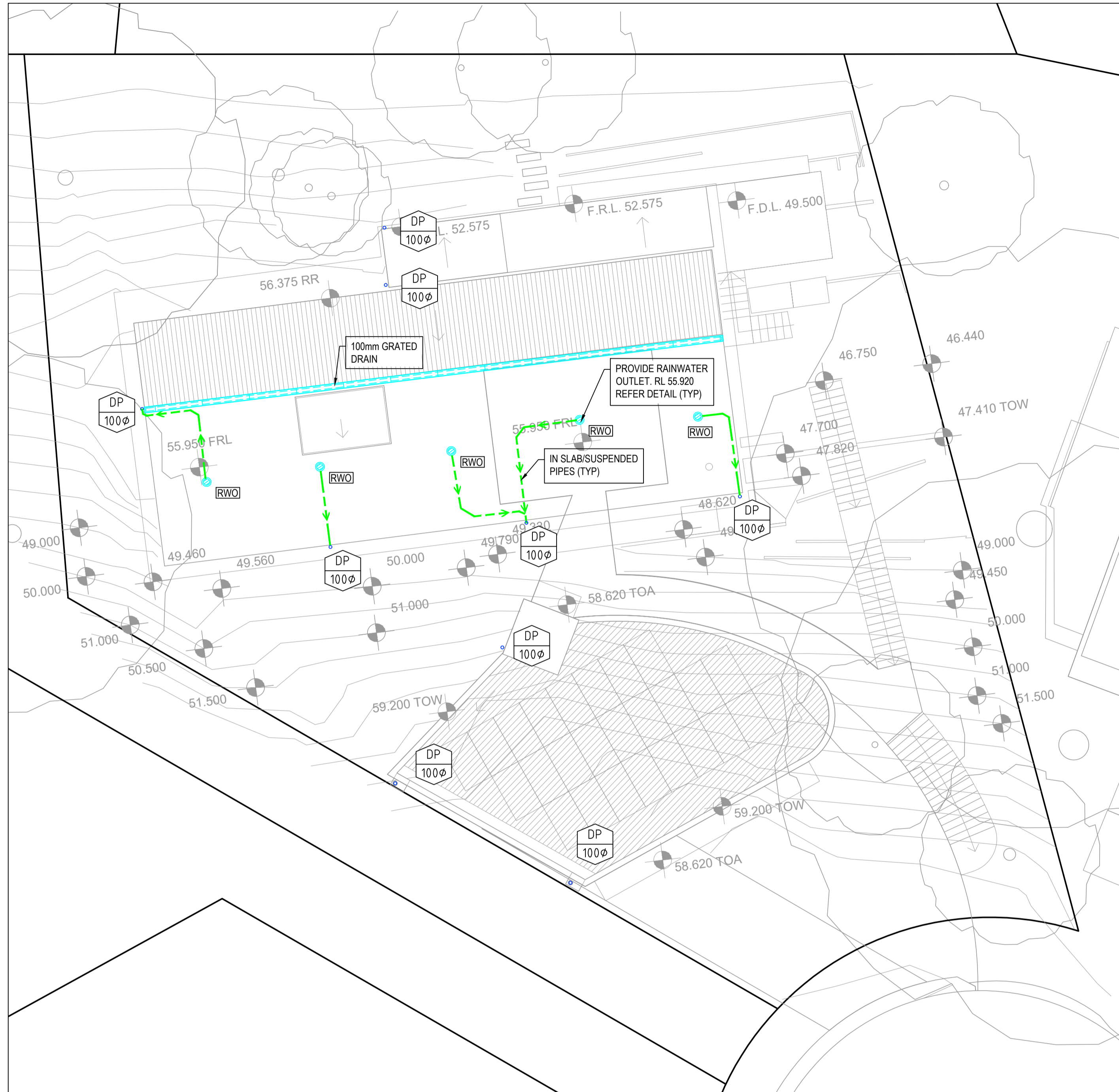
AS3500.3

MINIMUM INTERNAL DIMENSIONS FOR STORMWATER AND INLET PITS

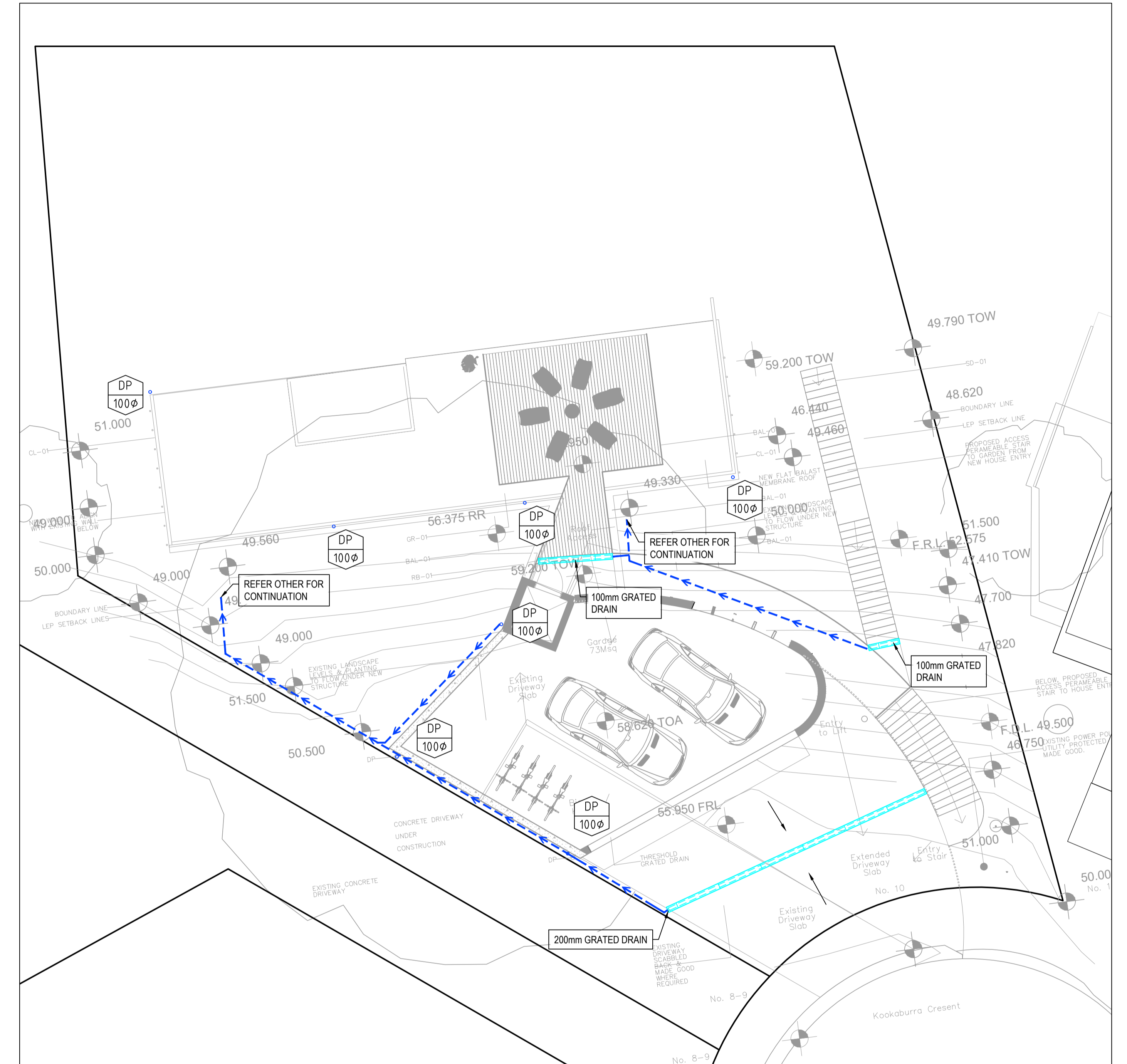
Depth to invert of outlet	Minimum internal dimensions mm		
	Width	Circular	
		Length	Diameter
≤600	450	450	600
>600 ≤900	600	600	900
>900 ≤1200	600	900	1 000
> 1 200	900	900	1 000

AS3500.3

- #### STORMWATER DRAINAGE NOTES
- ALL PIPES ON DRAWINGS TO BE MIN 1% GRADE UNLESS NOTED OTHERWISE.
 - ALL DOWNPIPES TO BE 100Ø PVC UNLESS NOTED OTHERWISE.
 - PIPES 375 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '2' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
 - PIPES 300 DIA AND LESS SHALL BE DWV GRADE (CLASS SN8) UPVC WITH SOLVENT WELDED JOINTS.
 - EQUIVALENT STRENGTH FRC PIPES MAY BE USED.
 - ALL PIPES ARE TO BE UNIFORMLY SUPPORTED ALONG THE LENGTH OF THE BARREL BY SUITABLE FILL MATERIAL. REFER TO BEDDING SUPPORT TYPE.
 - PIPES WITH SOCKETS SHALL BE LAID IN BEDDING WHERE SUITABLE RECESSES HAVE BEEN PROVIDED TO ENSURE PIPES DO NOT BEAR ON THEIR SOCKETS.
 - ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE UPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE UPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
 - PIPES TO BE INSTALLED TO TYPE HS1 SUPPORT IN ACCORDANCE WITH AS 3725 (2007) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 (OR A DENSITY INDEX OF NOT LESS THAN 75).
 - REFER TO AS/NRS 3725:2007 TABLE B1 FOR REQUIRED FILL DEPTHS ABOVE PIPE BARREL PRIOR TO USE OF COMPACTION MACHINERY OR TRAVERSING OF PIPES BY GENERAL SITE EQUIPMENT.
 - WHERE WORKING METHODS REQUIRE HIGHER CLASS PIPE, THE CONTRACTOR SHALL REFER TO AS 3725 (2007) TO DETERMINE THE APPROPRIATE PIPE CLASS.
 - ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (2018) AND AS/NZS 3500 3.2 (2018).
 - ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
 - WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED UPVC SEWER GRADE PIPE IS TO BE USED.
 - CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
 - GRATES AND COVERS SHALL CONFORM TO AS 3996.
 - ALL BOX CULVERTS SHALL BE STRUCTURALLY DESIGNED BY THE MANUFACTURER AND DELIVERED TO SITE AS FIT FOR PURPOSE.
 - AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
 - ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.



ROOF - STORMWATER MANAGEMENT PLAN
SCALE 1:100



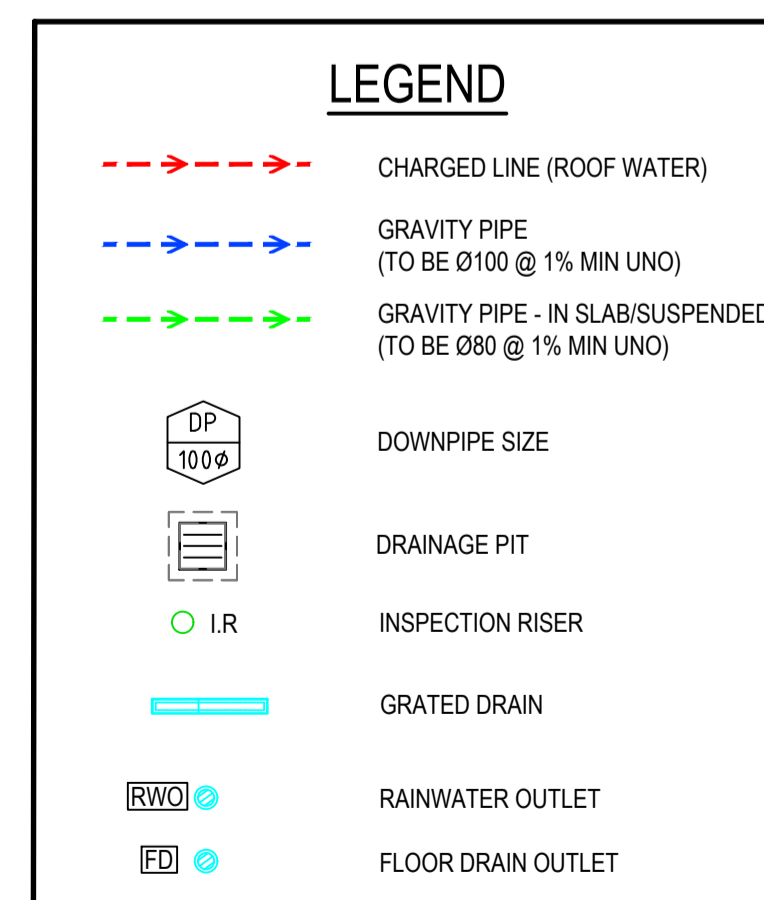
FIRST FLOOR - STORMWATER MANAGEMENT PLAN
SCALE 1:100

DESIGN SUMMARY

NORTHERN BEACHES COUNCIL

OSD REQUIREMENT:
OSD IS REQUIRED. REFER DETAILS

LEGAL POINT OF DISCHARGE:
DISCHARGE VIA LEVEL SPREADER



REVISION	ISSUED FOR DA	DESCRIPTION	AE	ISSUED	DATE
1	ISSUED FOR DA		AE	12.09.2024	



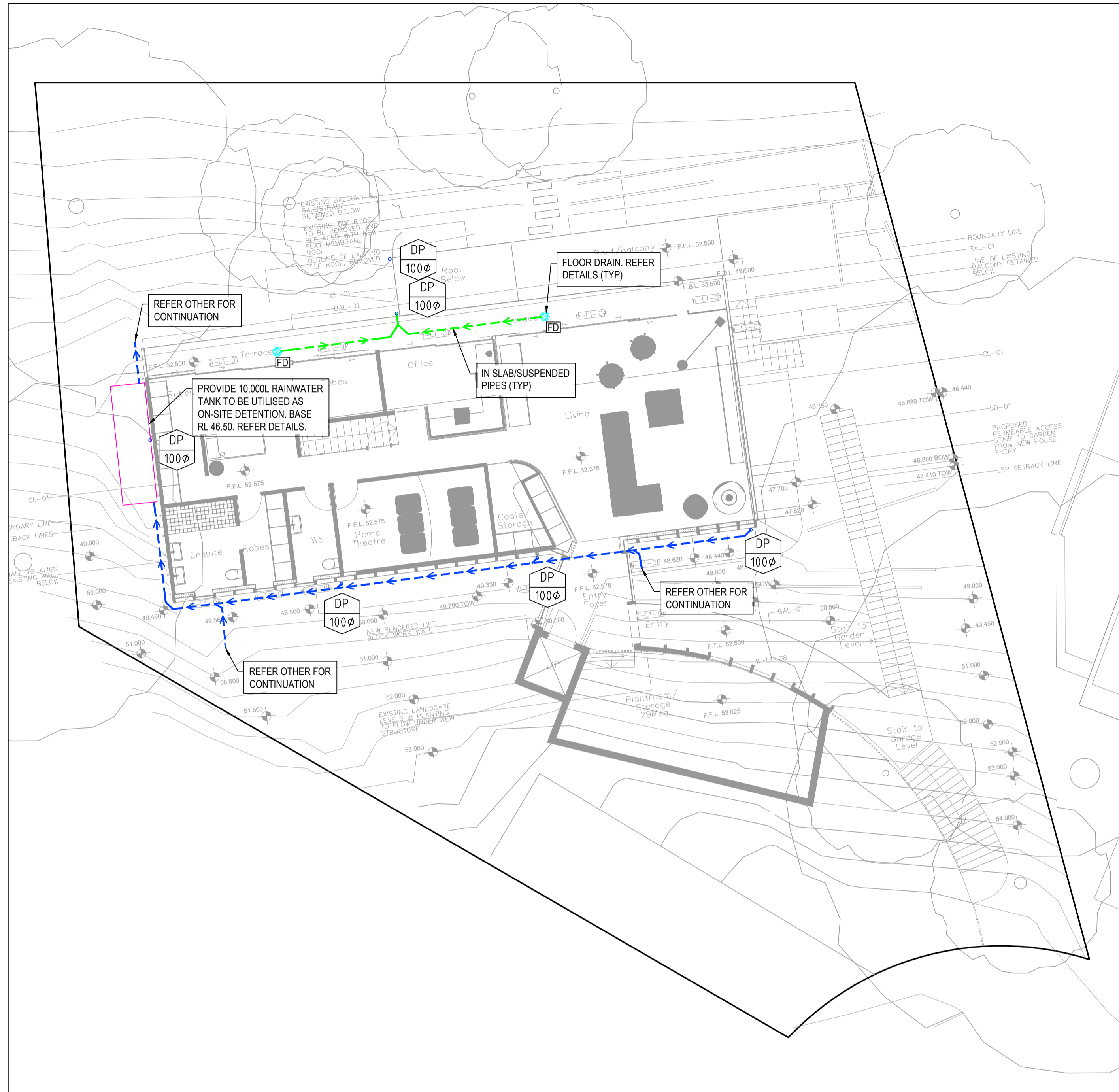
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DRAWN DATE	SEP'24
COORDINATE SYSTEM	MGA-56
HEIGHT DATUM	AHD

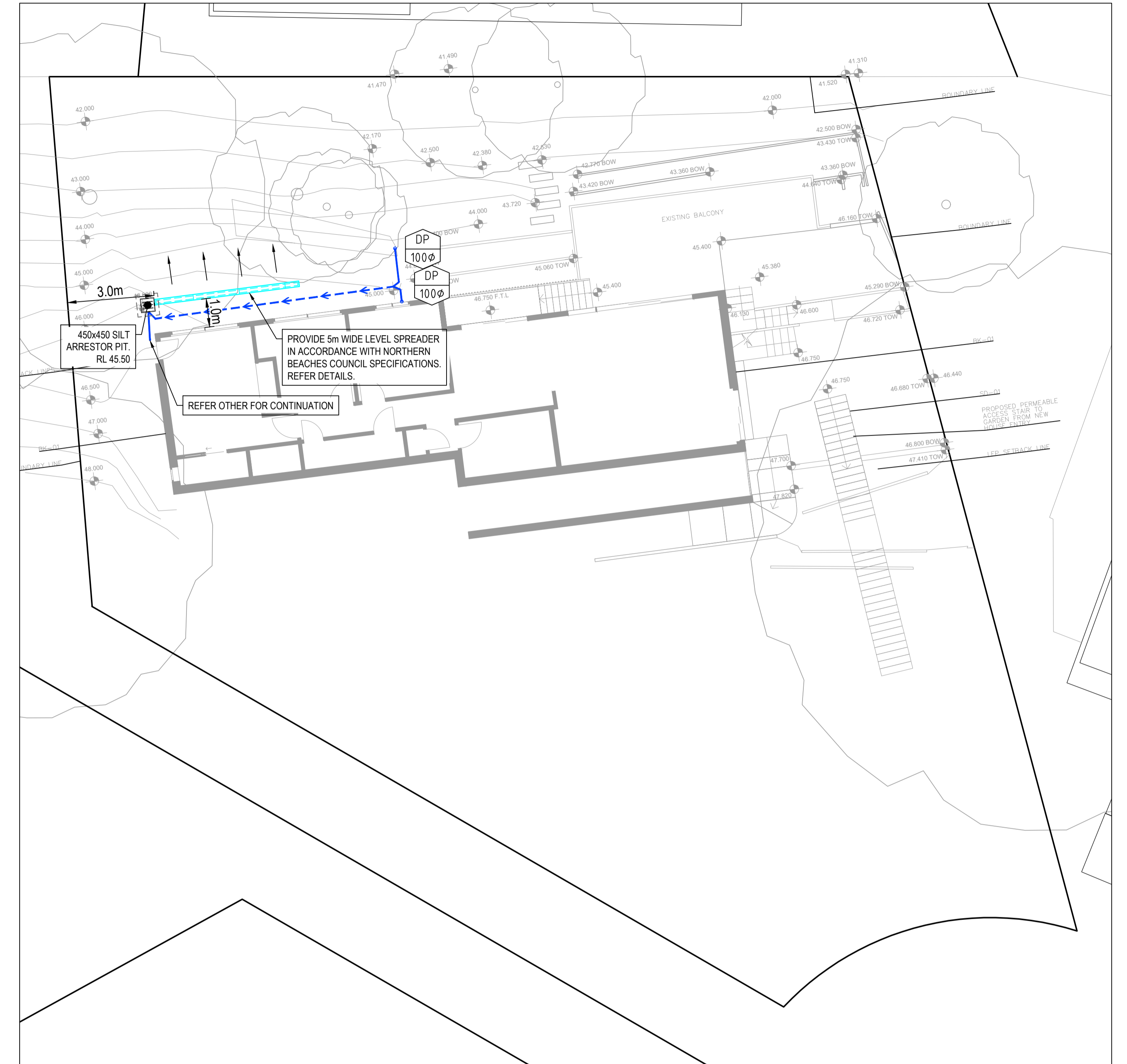
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DRAWING TITLE	STORMWATER MANAGEMENT PLAN SHEET 1

PROJECT NUMBER	24185	STATUS	FOR APPROVAL
SHEET SIZE: A1		DRAWING NUMBER	SW03
			REV: 1

NOT TO BE USED FOR CONSTRUCTION PURPOSES



GROUND FLOOR - STORMWATER MANAGEMENT PLAN
SCALE 1:100



LOWER GROUND FLOOR - STORMWATER MANAGEMENT PLAN
SCALE 1:100

DESIGN SUMMARY

NORTHERN BEACHES COUNCIL

OSD REQUIREMENT:
OSD IS REQUIRED. REFER DETAILS

LEGAL POINT OF DISCHARGE:
DISCHARGE VIA LEVEL SPREADER

LEGEND

	CHARGED LINE (ROOF WATER)
	GRAVITY PIPE (TO BE Ø100 @ 1% MIN UNO)
	GRAVITY PIPE - IN SLAB/SUSPENDED (TO BE Ø80 @ 1% MIN UNO)
	DOWNPIPE SIZE
	DRAINAGE PIT
	INSPECTION RISER
	GRATED DRAIN
	RAINWATER OUTLET
	FLOOR DRAIN OUTLET

1	ISSUED FOR DA	AE	12.09.2024
REVISION	DESCRIPTION	ISSUED	DATE

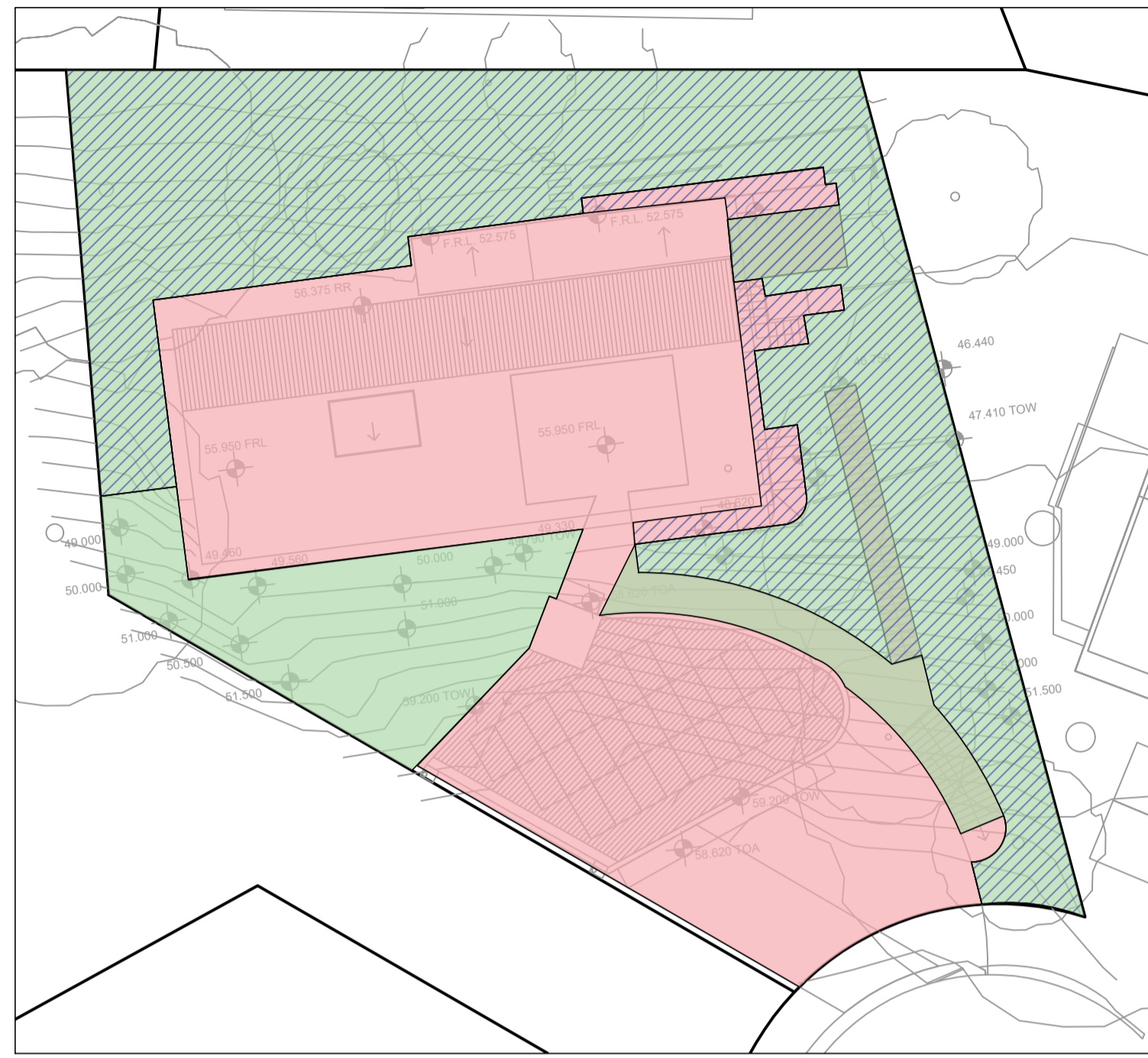


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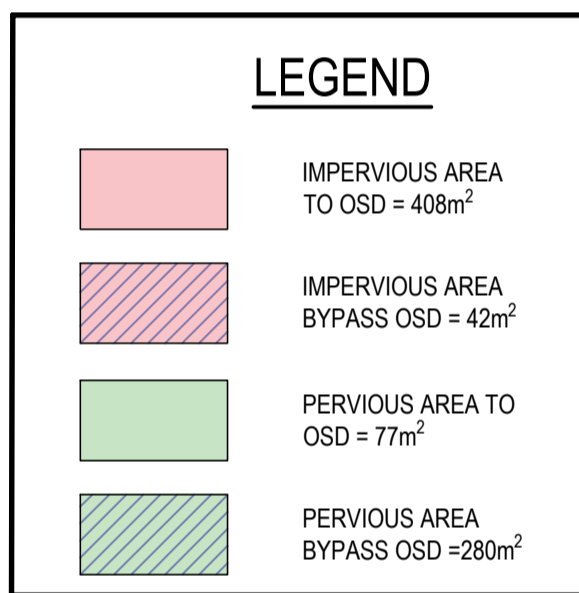
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DRAWN DATE	SEP'24
COORDINATE SYSTEM	MGA-56
HEIGHT DATUM	AHD

PROJECT	10 KOOKABURRA CLOSE, BAYVIEW
DRAWING TITLE	STORMWATER MANAGEMENT PLAN SHEET 2

PROJECT NUMBER	24185	STATUS	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
SHEET SIZE: A1		DRAWING NUMBER	SW04
			REV: 1



CATCHMENT PLAN
SCALE 1:200

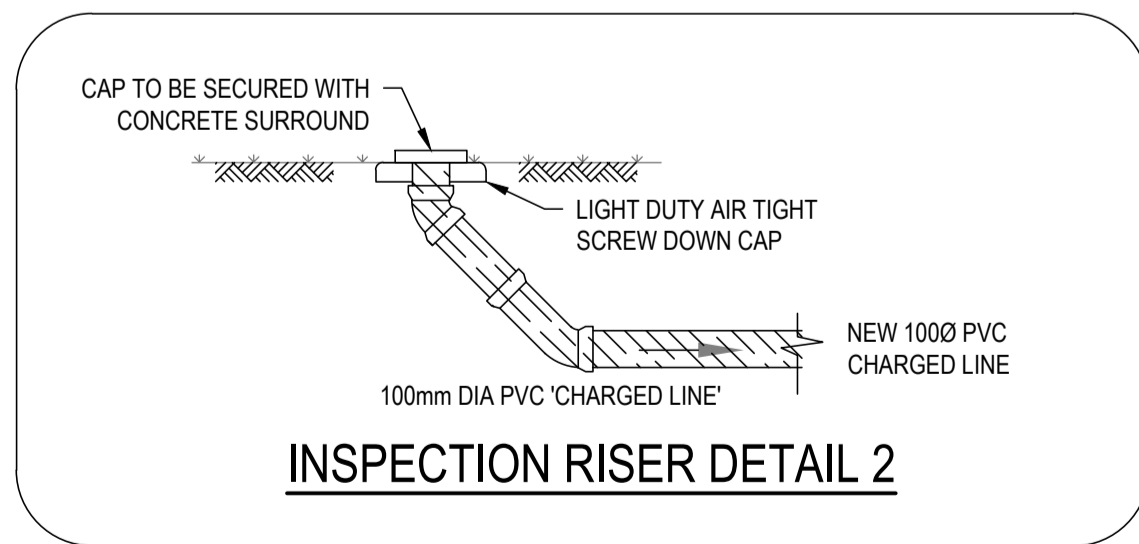


CUSTOM OSD DETAIL

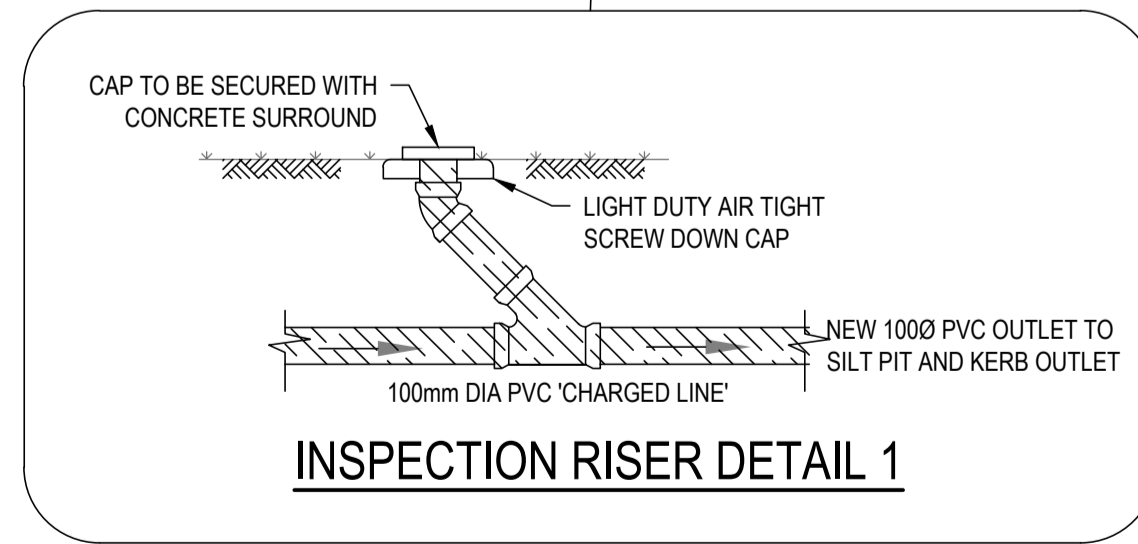
HEIGHT	2.32m
WIDTH	2.85m
LENGTH	4.0m
VOLUME	10m³
(A)	46.500
(B)	46.500
(C)	48.720
(D)	49.720
ORIFICE Ø	71
ORIFICE CL	46.55

(A) & (B) ARE THE SAME AS THERE IS NO RAINWATER TANK ASPECT PROPOSED

ANY MODIFICATIONS TO THE OSD TANK DURING CONSTRUCTION ARE TO BE NOTIFIED TO THE CONSULTING ENGINEER IMMEDIATELY.



INSPECTION RISER DETAIL 2



INSPECTION RISER DETAIL 1

OSD SUMMARY

ON SITE DETENTION WAS PROVIDED IN THE FORM OF AN ABOVE GROUND OSD TANK. THE DETENTION TANK WAS PROVIDED TO ENSURE THE TOTAL FLOWS FROM THE DEVELOPED SITE WAS <= TO THE PRE-DEVELOPED (100% PERVIOUS SITE) THE PROPOSED FLOWS WERE <= THE PRE-DEVELOPED. THE RESULTS ARE SHOWN BELOW.

Results for median storm in critical 1% AEP ensembles using Lite hydraulic model.

0.039

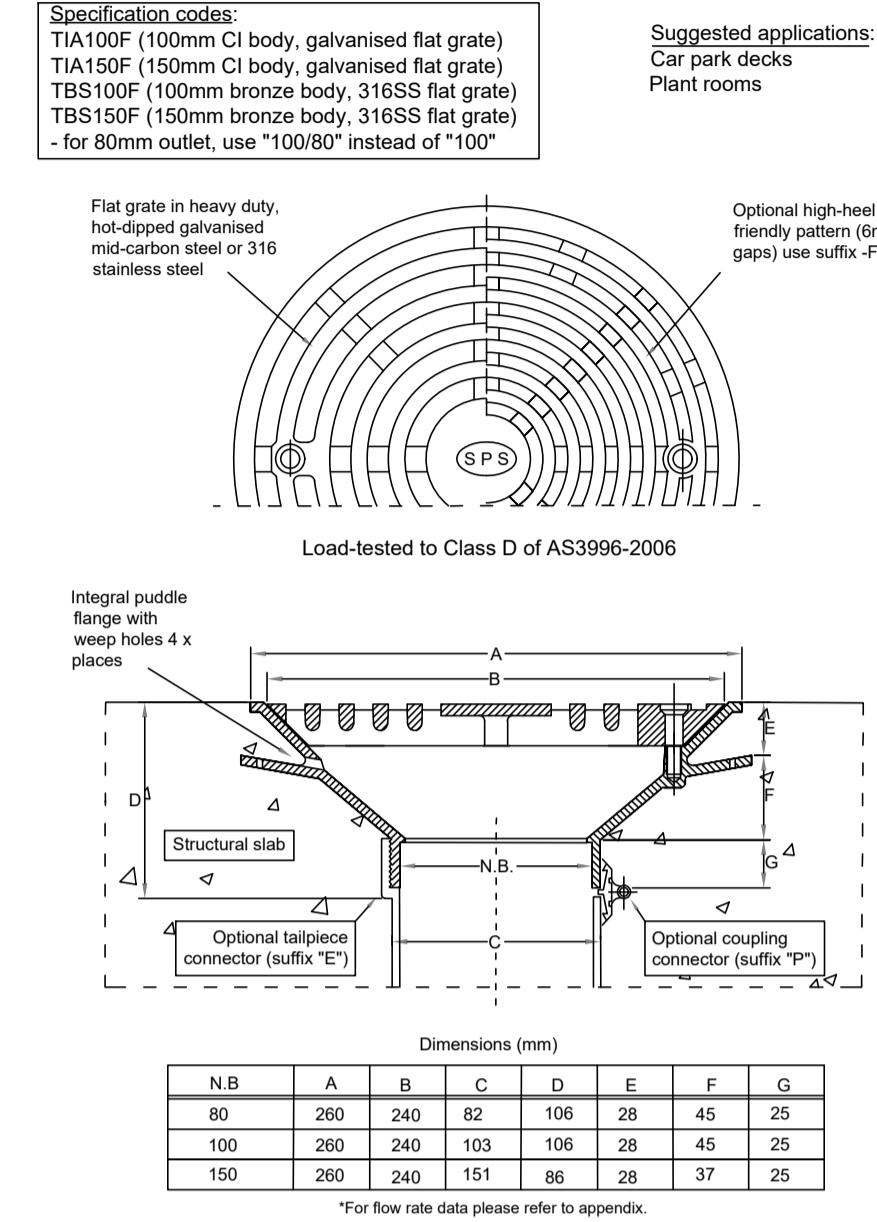
PRE-DEV 1%
AEP STORM

POST-DEV 1%
AEP STORM

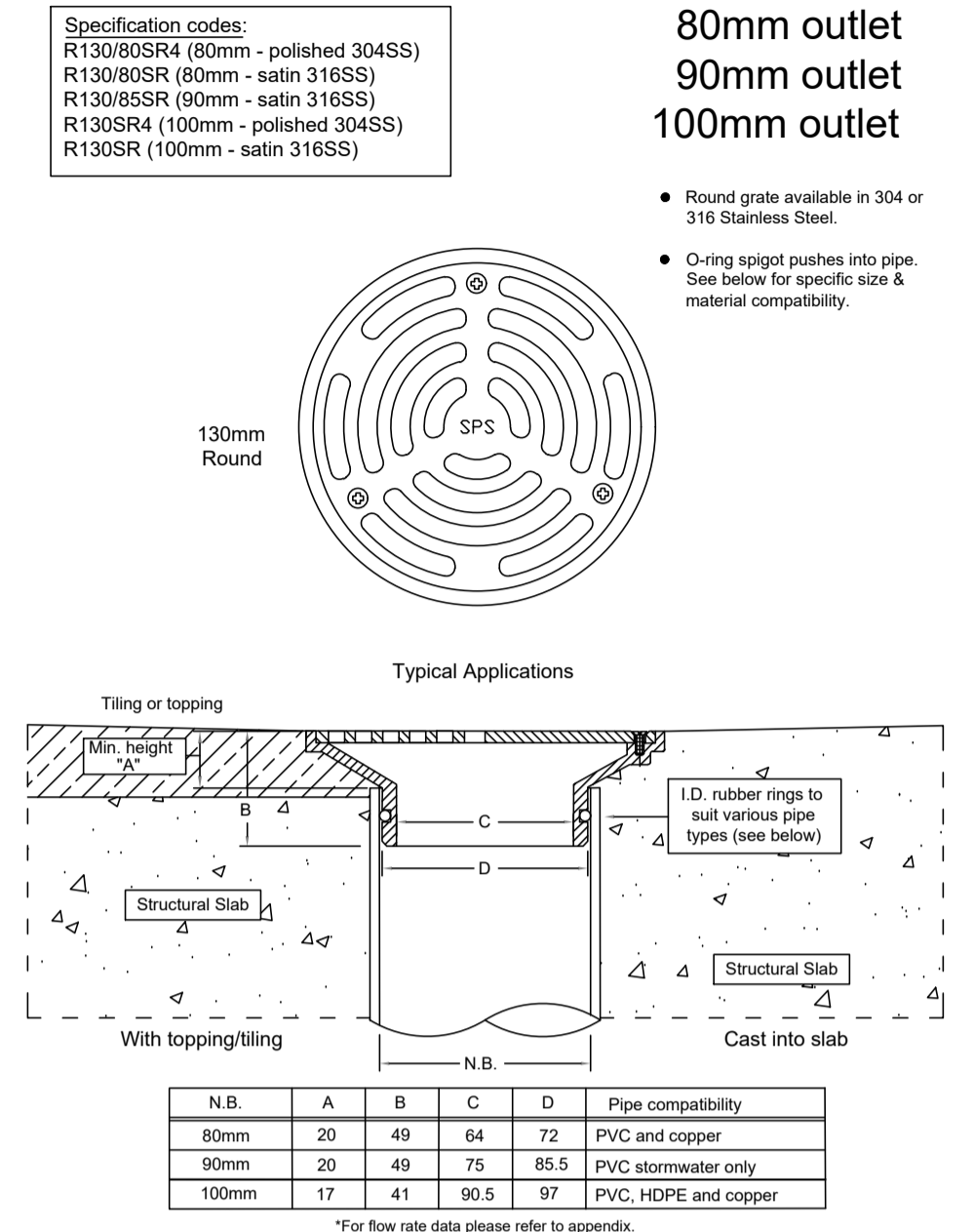
OSD RESULTS

STORM	PRE DEV (l/s)	POST DEV (l/s)	OSD VOLUME (m³)
20% AEP	16	16	3.80
1% AEP	39	32	10.00

SPS Truflo 100mm & 150mm RWO with Class D Heavy-Duty Flat Grate



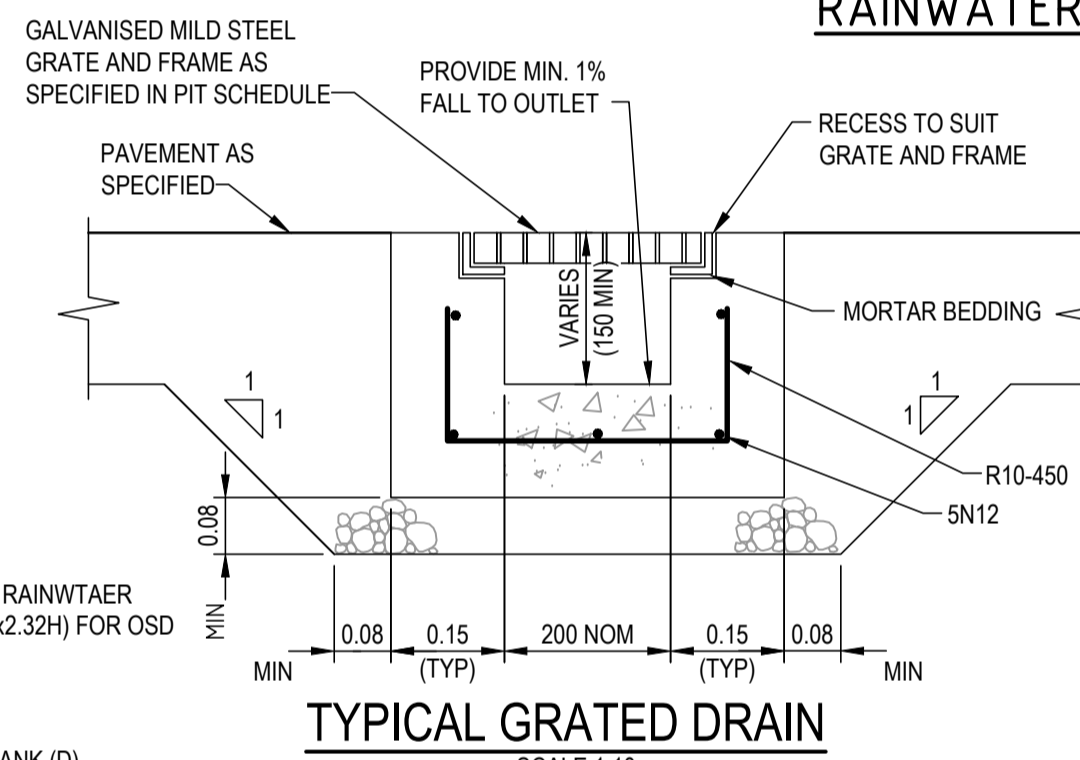
SPS 130mm Round Push-in Floor Drain



Speciality Plumbing Supplies Pty Ltd
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

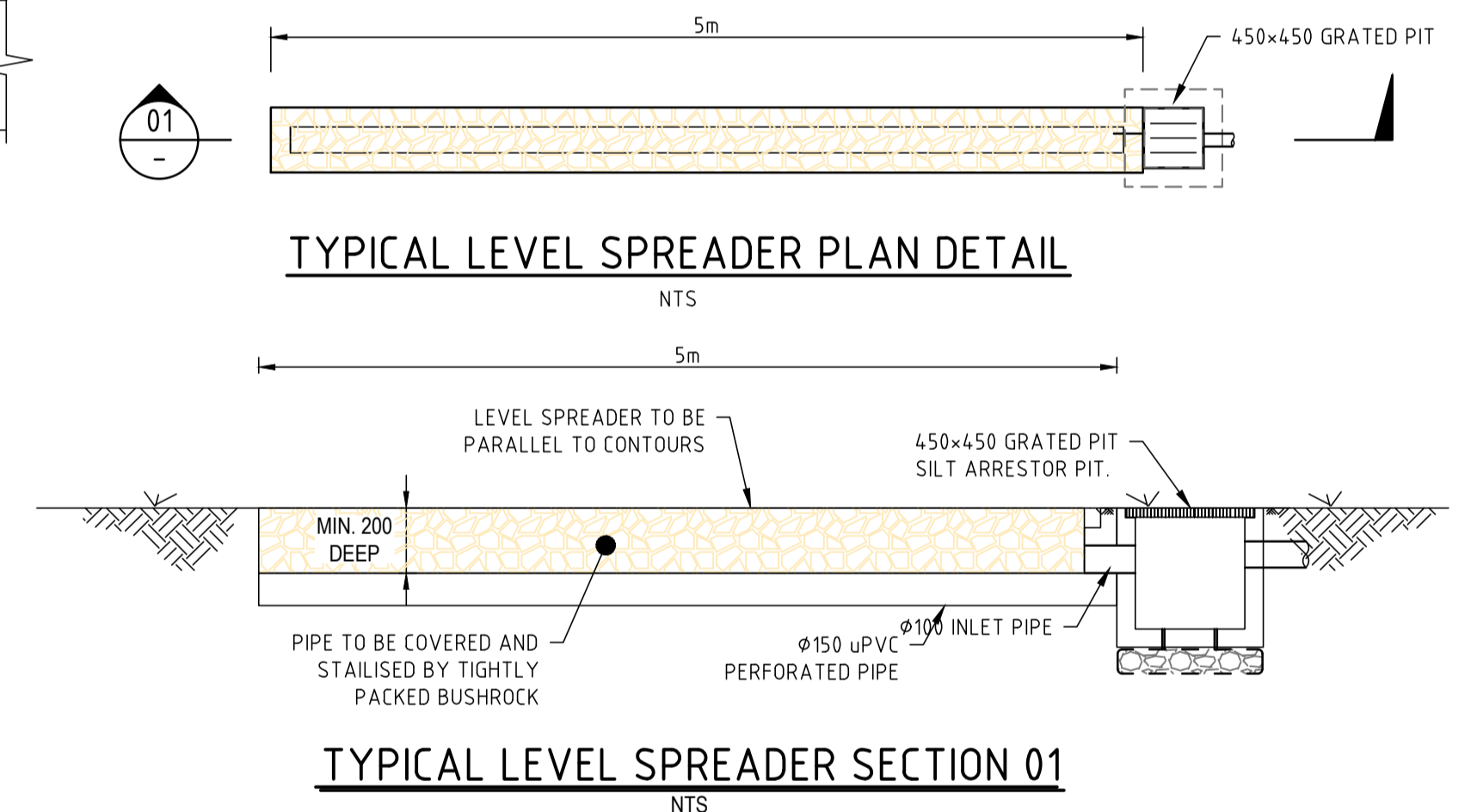
Speciality Plumbing Supplies Pty Ltd
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

RAINWATER OUTLET DRAIN (RWO) DETAIL



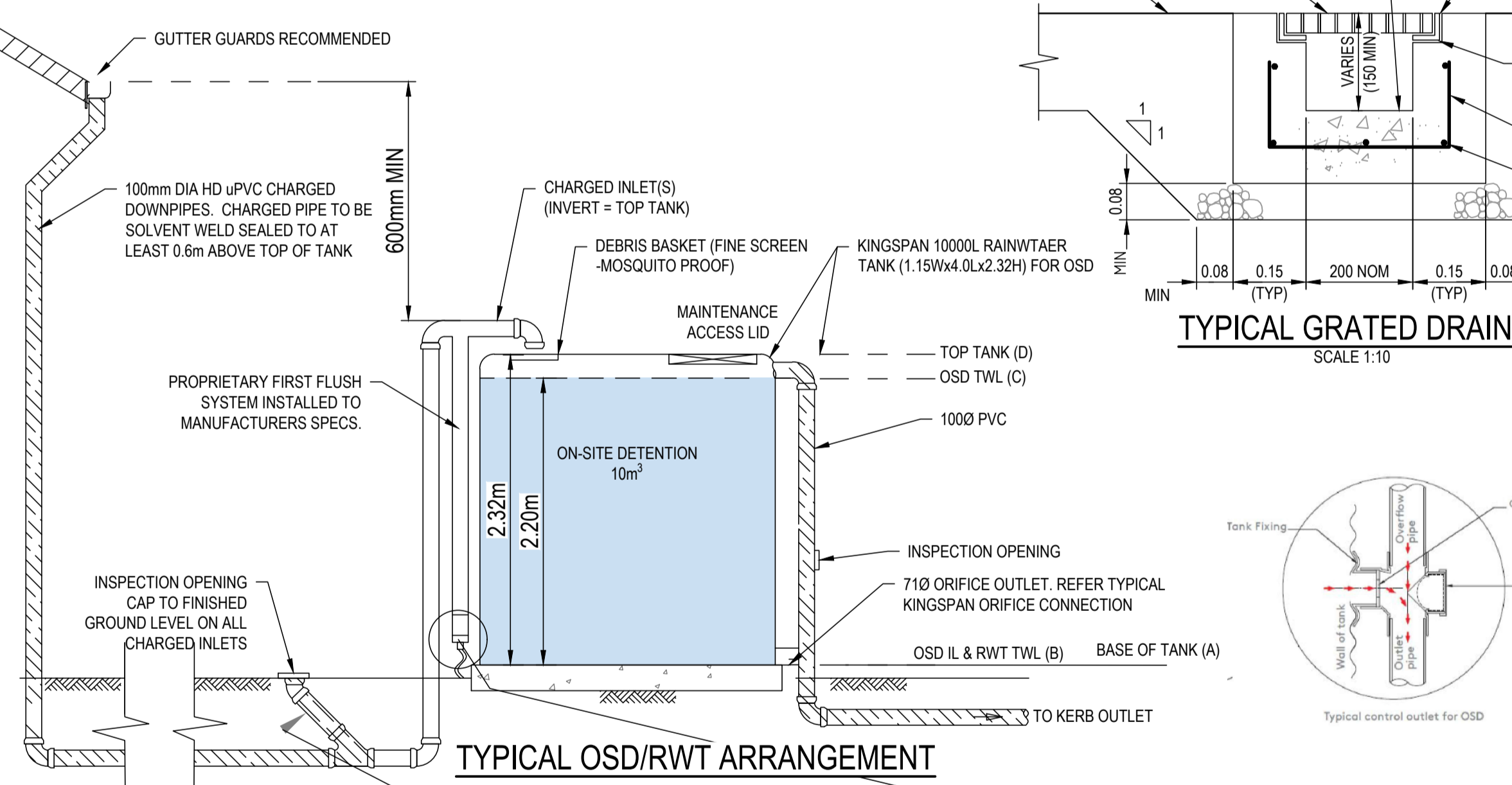
TYPICAL GRADED DRAIN
SCALE 1:10

FLOOR DRAIN (FD) DETAIL

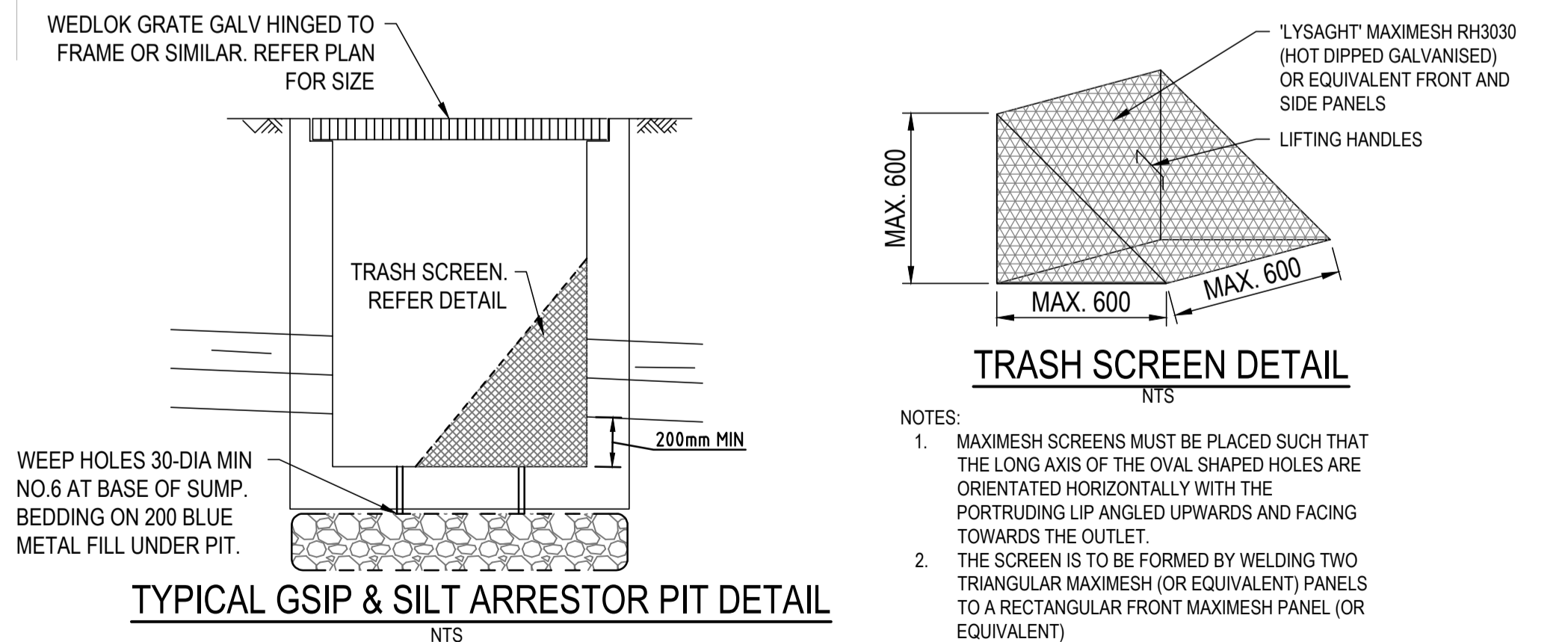


TYPICAL LEVEL SPREADER PLAN DETAIL

TYPICAL LEVEL SPREADER SECTION 01



TYPICAL OSD/RWT ARRANGEMENT



TYPICAL GSIP & SILT ARRESTOR PIT DETAIL

TRASH SCREEN DETAIL

- NOTES:
- MAXIMESH SCREENS MUST BE PLACED SUCH THAT THE LONG AXIS OF THE OVAL SHAPED HOLES ARE ORIENTATED HORIZONTALLY WITH THE PORTRUDING LIP ANGTLED UPWARDS AND FACING TOWARDS THE OUTLET.
 - THE SCREEN IS TO BE FORMED BY WELDING TWO TRIANGULAR MAXIMESH (OR EQUIVALENT) PANELS TO A RECTANGULAR FRONT MAXIMESH PANEL (OR EQUIVALENT)

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1	ISSUED FOR DA		AE	12.09.2024	

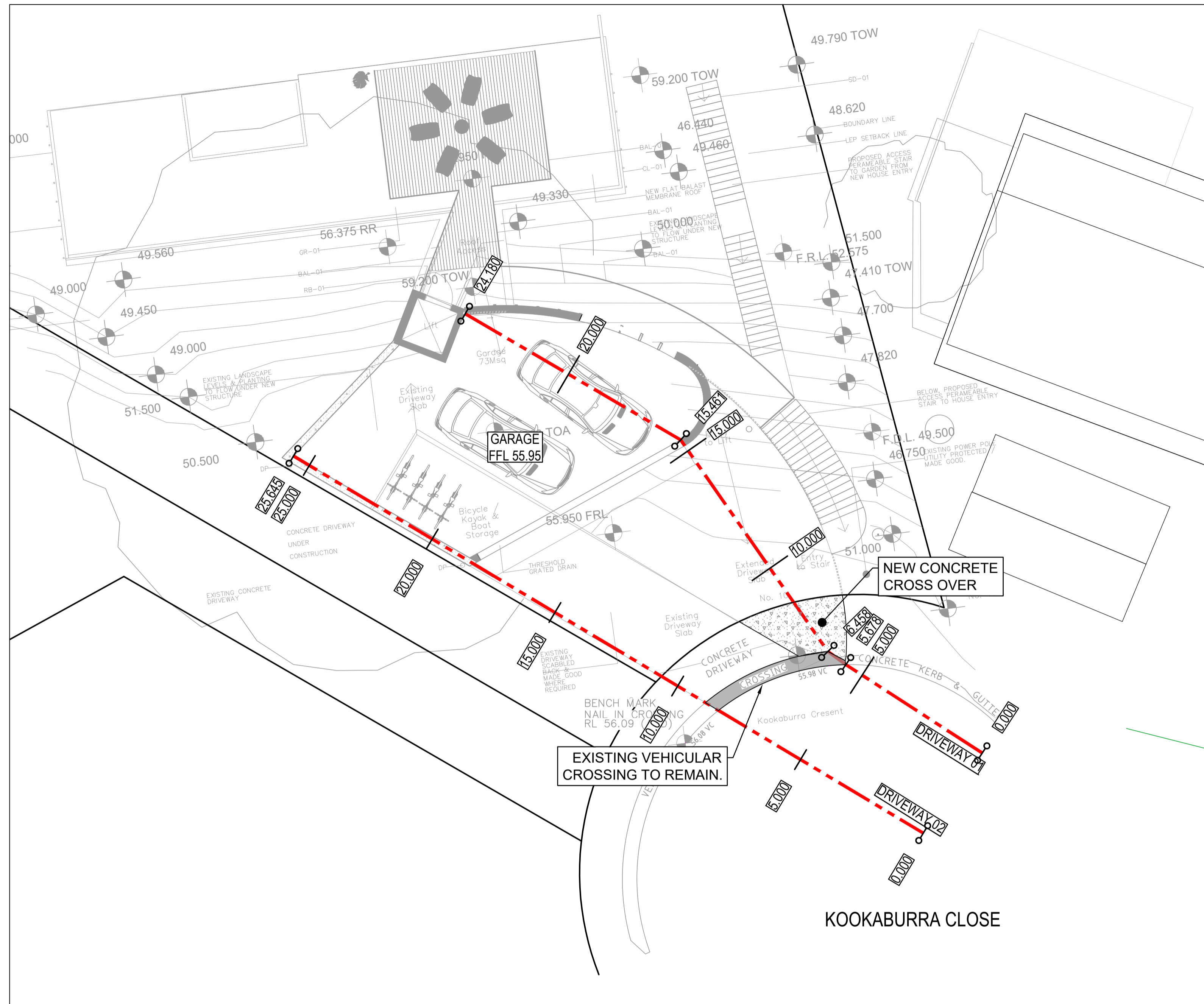


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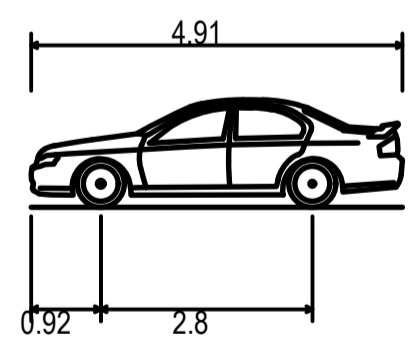
DRAWN BY	AE
DRAWN DATE	SEP'24
COORDINATE SYSTEM	MGA-56
HEIGHT DATUM	AHD

PROJECT	10 KOOKABURRA CLOSE, BAYVIEW
DRAWING TITLE	STORMWATER MANAGEMENT DETAILS

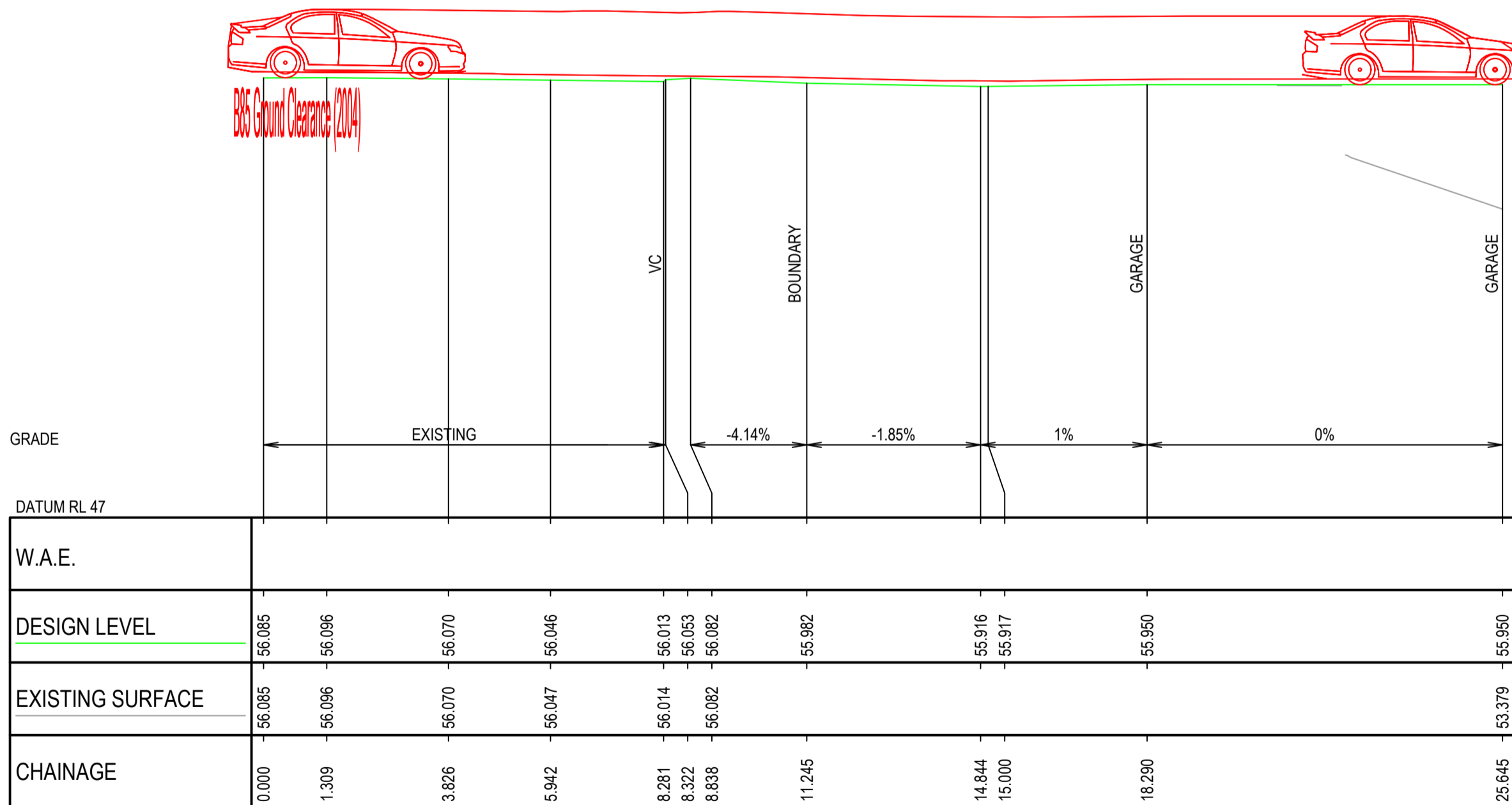
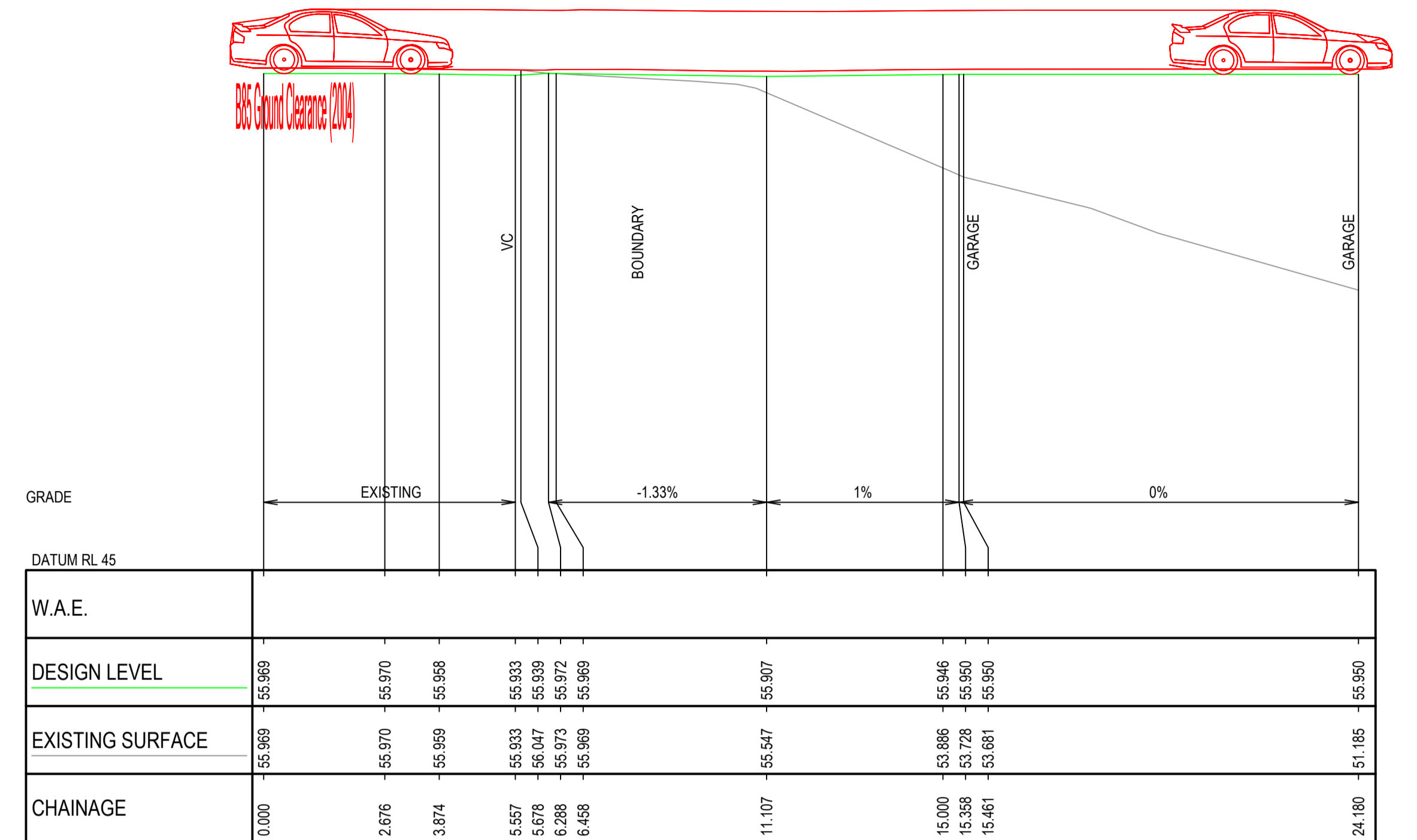
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STATUS	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
SHEET SIZE: A1	DRAWING NUMBER SW05
REV: 1	



CIVIL PLAN
SCALE 1:100



B85 Vehicle (Realistic min radius) (2004)
 Overall Length 4.910m
 Overall Width 1.870m
 Overall Body Height 1.421m
 Min Body Ground Clearance 0.159m
 Track Width 1.770m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.750m



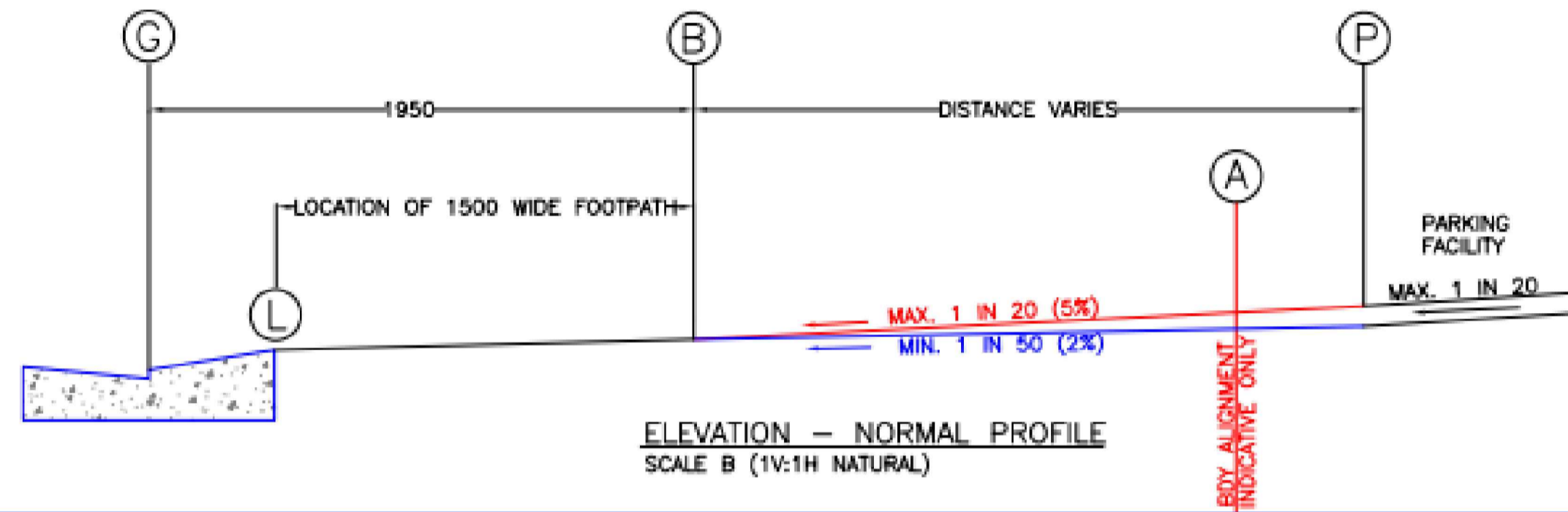
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REVISION	DESCRIPTION	ISSUED	DATE

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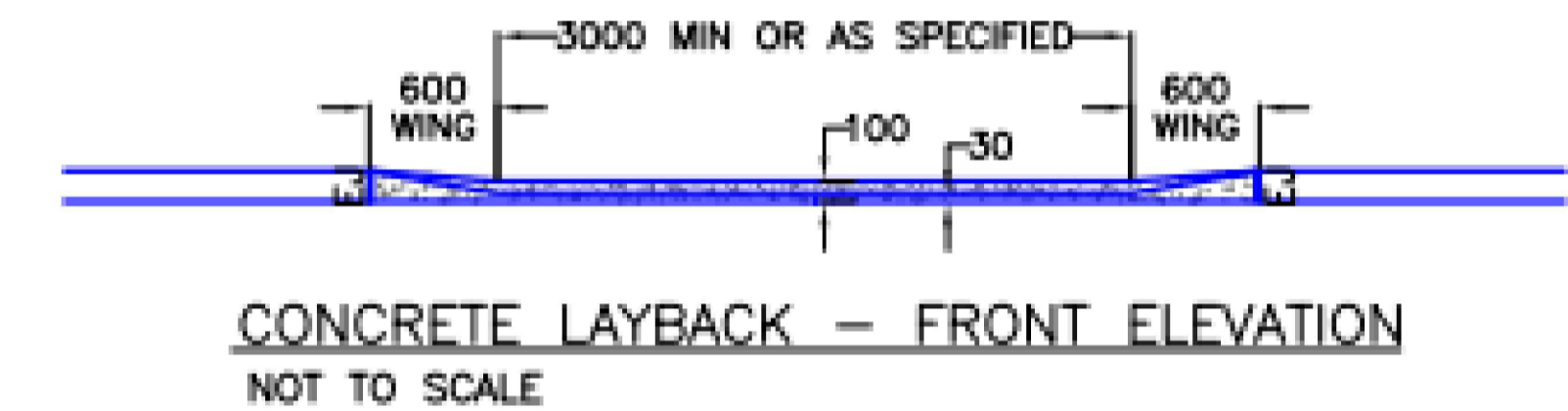
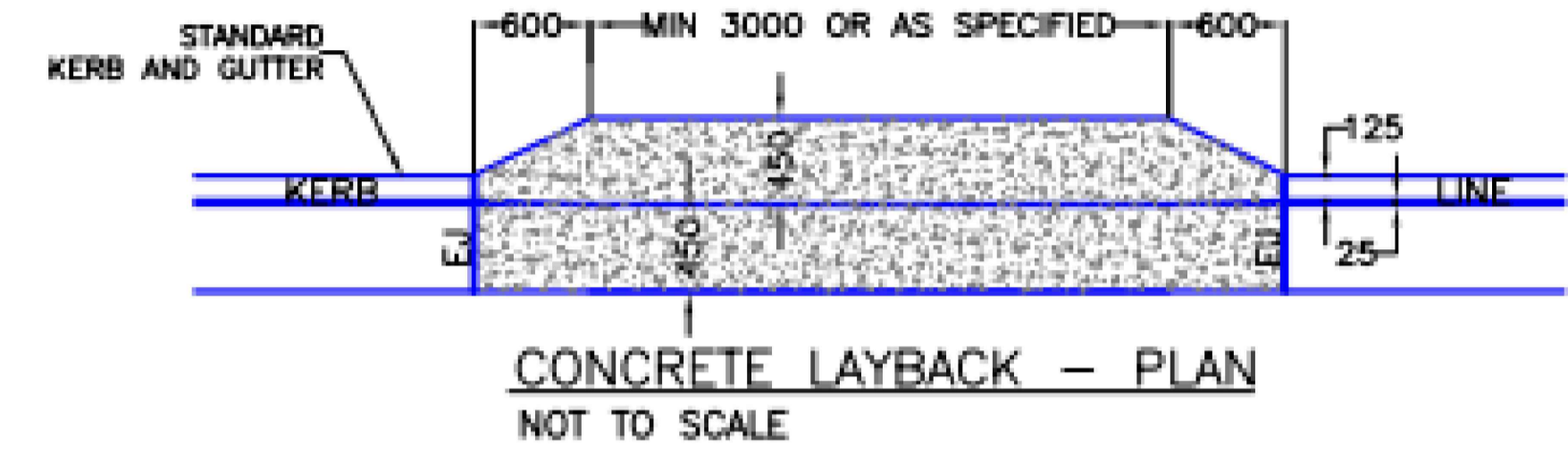
CANE CONSULTING
 CIVIL · STORMWATER · FLOODING



DRAWN BY	AE	PROJECT	10 KOOKABURRA CLOSE, BAYVIEW	PROJECT NUMBER	24185	STATUS	FOR APPROVAL
DRAWN DATE	SEP'24	DRAWING TITLE	CIVIL AND LONGSECTION SHEET	SHEET SIZE:	A1	DRAWING NUMBER	CV01
COORDINATE SYSTEM	MGA-56	HEIGHT DATUM	AHD				REV: 1



DRIVEWAY SET-OUT SCHEDULE		
POINT	REMARK	LEVELS
G	GUTTER INVERT	DRIVEWAY CROSSING SET-OUT POINT
L	REAR OF LAYBACK	100mm ABOVE GUTTER INVERT (MAY BE ALTERED AT COUNCIL'S DISCRETION)
B	1950mm FROM GUTTER INVERT	138mm ABOVE GUTTER INVERT
A	BOUNDARY ALIGNMENT	PLACE 10mm EXPANSION JOINT
P	PARKING FACILITY	MAXIMUM GRADE PARALLEL TO ANGLE OF PARKING 1V:20H. FOR ANY OTHER DIRECTION 1V:16H



CONCRETE DRIVEWAY NOTES:

- LAYBACK AND GUTTER SHALL BE CONSTRUCTED IN PLAIN CONCRETE AND FINISHED WITH A STEEL TROWEL.
- THE MINIMUM COMPRESSIVE STRENGTH FOR DRIVEWAYS SHALL BE 25MPa AT 28 DAYS. FOR COMMERCIAL OR INDUSTRIAL DRIVEWAYS THE SLAB DEPTH SHALL BE INCREASED TO MINIMUM OF 180mm WITH SLB2 STEEL MESH AND TOP COVER OF 30mm.
- THE SUBGRADE SHALL BE EVENLY COMPACTED USING A VIBRATORY COMPACTION EQUIPMENT UNTIL IT SHOWS NO SIGNS OF MOVEMENT, OR AS DIRECTED BY COUNCIL.
- ALL VEHICLE CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LEVELS AND SPECIFICATION ISSUED BY COUNCIL AND MUST COMPLY WITH AS/NZS 2890.1:2004 "OFF STREET CAR PARKING" CODE.
- ALL KERBING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWINGS AND SPECIFICATION ISSUED BY COUNCIL.
- WHERE COUNCIL OR ITS REPRESENTATIVE DIRECTS THAT THE GUTTER IS TO BE RETAINED, THE CONTRACTOR IS TO PLACE A 75mm DEEP SAW CUT IN THE GUTTER INVERT AND REMOVE THE KERB AND/OR LAYBACK.
- WHERE COUNCIL OR ITS REPRESENTATIVE DIRECTS THAT THE GUTTER IS TO BE REMOVED, A ROAD OPENING PERMIT OR APPLICATION IS TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS.
- THE CONSTRUCTION OF ALL VEHICLE CROSSINGS AND ASSOCIATED WORKS MUST BE PERFORMED BY A COUNCIL APPROVED CONTRACTOR.
- SAW-CUT 500mm ASPHALT STRIP AND MATCH IN LAYBACK WITH ROAD SURFACE TO SMOOTH TRANSITION.

VEHICLE CROSSING CONSTRUCTION NOTES:

- AT LEAST 48 HOURS' NOTICE OF INTENTION SHALL BE GIVEN TO COUNCIL ENGINEER TO POUR CONCRETE WITHIN THE ROAD RESERVE AND NO CONCRETE SHALL BE PLACED UNTIL THE FORMWORK HAS BEEN APPROVED AND AN INSPECTION NOTICE ISSUED.
- ALL DISTURBED AREAS OF THE FOOTWAY ADJACENT TO THE VEHICLE CROSSING SHALL BE TURFED AND FINISHED LEVEL WITH THE CONCRETE SURFACE. RAISED EDGES ARE UNACCEPTABLE.
- THE ROAD ADJOINING THE VEHICLE CROSSING SHALL BE BATTERED AND TURFED AT A MAXIMUM GRADIENT OF 1V:6H OR AS DIRECTED BY COUNCIL.
- CONCRETE FOOTPATH ADJUSTMENTS SHALL BE IN ACCORDANCE WITH COUNCIL'S SPECIFICATION AND SATISFACTION.
- THE SUBGRADE MUST BE THOROUGHLY COMPACTED BY THE USE OF VIBRATORY COMPACTION EQUIPMENT UNTIL IT SHOWS NO SIGNS OF MOVEMENT, OR AS DIRECTED BY COUNCIL.
- VEHICLE CROSSING SLABS MUST BE POURED IN PLAIN CONCRETE. SLAB SURFACE MUST BE COVE FINISHED (OR EQUIVALENT) AND EDGES TO BE FINISHED WITH A 50mm MARGIN.
- ALL CHANGES IN GRADE SHALL BE SCREEDED TO ENSURE NO RIGID/SHARP TRANSITIONS.
- THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 25MPa AT 28 DAYS.
- THE MINIMUM THICKNESS OF CONCRETE SHALL BE AS FOLLOWS:
(a) SINGLE RESIDENTIAL DWELLING: 130mm THICK REINFORCED WITH SL72 MESH PLACED 30mm BELOW TOP OF CONCRETE SLAB
(b) MULTI-UNIT RESIDENTIAL: 150mm THICK REINFORCED WITH SLB2 MESH PLACED 30mm BELOW TOP OF CONCRETE SLAB
(c) COMMERCIAL OR INDUSTRIAL: 180mm THICK REINFORCED WITH SLB2 MESH PLACED 30mm BELOW TOP OF CONCRETE SLAB
- THE VEHICLE CROSSING UP TO 2400mm FROM THE GUTTER INVERT SHALL BE GRADED PARALLEL WITH THE ROAD CENTRELINE.
- THE CONSTRUCTION OF ALL VEHICLE CROSSINGS AND ASSOCIATED WORKS ON THE ROAD RESERVE MUST BE COMPLETED BY A COUNCIL APPROVED CONCRETE CONTRACTOR.
- NO TREE ROOTS GREATER THAN 50mm IN DIAMETER ARE TO BE REMOVED UNLESS AUTHORISED BY A QUALIFIED ARBORIST.
- ANY ROOTS APPROVED FOR REMOVAL SHALL BE CLEAN CUT WITH SHARP TOOLS SUCH AS SECATEURS, PRUNERS, HANDSAWS, CHAINSAWS OR SPECIALISED ROOT PRUNING EQUIPMENT.

IMPORTANT DRIVEWAY DESIGN NOTES:

- THE STANDARD DRIVEWAY PROFILES SHOWN MAY NOT SUIT ALL TERRAIN CONDITIONS.
- THESE STANDARD DRIVEWAY PROFILES MAY NEED TO BE MODIFIED TO SUIT.
- THE STANDARD DRIVEWAY PROFILES SHOWN MAY NOT TAKE INTO CONSIDERATION CONNECTING FOOTPATHS WHERE THE FOOTPATH MEETS THE DRIVEWAY. FOR DISABLED ACCESSIBILITY, A SECTION OF THE DRIVEWAY MAY NEED TO BE DESIGNED WITH A MAXIMUM 2.5% CROSS-FALL GRADED TOWARDS THE KERB OR ROAD SIDE. ALSO THE STANDARD DRIVEWAY PROFILES SHOWN HAS NOT BEEN DESIGNED TO ACCOMMODATE ANY SPECIAL NEEDS, FOR EXAMPLE, IN A FLOOD PLANNING AREA WHERE A MINIMUM FREE BOARD CREST IS REQUIRED TO PROTECT THE PARKING FACILITY.
- WHERE MODIFICATION OF THE DRIVEWAY IS REQUIRED TO MEET EXISTING OR PROPOSED CROSS FALLS OR LEVELS, THE FINAL DESIGN PROFILE MUST BE CHECKED AGAINST THE AUSTRALIAN STANDARD AS/NZS 2890.1:2004 "OFF STREET CAR PARKING" CODE FOR SCRAPING AND BOTTOMING USING THE 95TH PERCENTILE PASSENGER VEHICLE.
- THE DESIGNER WILL NEED TO LAISE WITH COUNCIL TO DEVELOP A SUITABLE DESIGN SOLUTION.

LEVEL DATUM AND CO-ORD SYSTEM: MGA-56	PROJ DATE: 07/07/2022	DESIGN APPROVED: THOMAS LAU	APPROVED FOR CONSTRUCTION: THOMAS LAU	SCALE: 1:20 @ A3		STANDARD DRAWINGS DRIVEWAY PROFILE - NORMAL (N)
SURVEYED: N/A	DRAWN BY: THOMAS LAU	DESIGNED BY: THOMAS LAU	PROJ. MGR: N/A	SCALE: 1:40 @ A3		
WORK-AS-DRAWN	DATED: 20/04/18	DATE: 20/04/18	DATE: 20/04/18	SCALE: 1:100 @ A3		
INITIATED BY: STEVE WATSON (ASSET MANAGER)	APPROVED BY: E. HUNTER	APPROVED BY: THOMAS LAU	APPROVED BY: THOMAS LAU			DRAWING NO. 1

		SCALE 1:100	DRAWN BY: AE	PROJECT: 10 KOOKABURRA CLOSE, BAYVIEW	PROJECT NUMBER: 24185	STATUS: FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
			DRAWN DATE: SEP'24	DRAWING TITLE: COUNCIL STANDARD DETAILS	SHEET SIZE: A1	DRAWING NUMBER: CV02
1 ISSUED FOR DA	AE 12.09.2024		COORDINATE SYSTEM: MGA-56			
REVISION DESCRIPTION	ISSUED DATE		HEIGHT DATUM: AHD			