

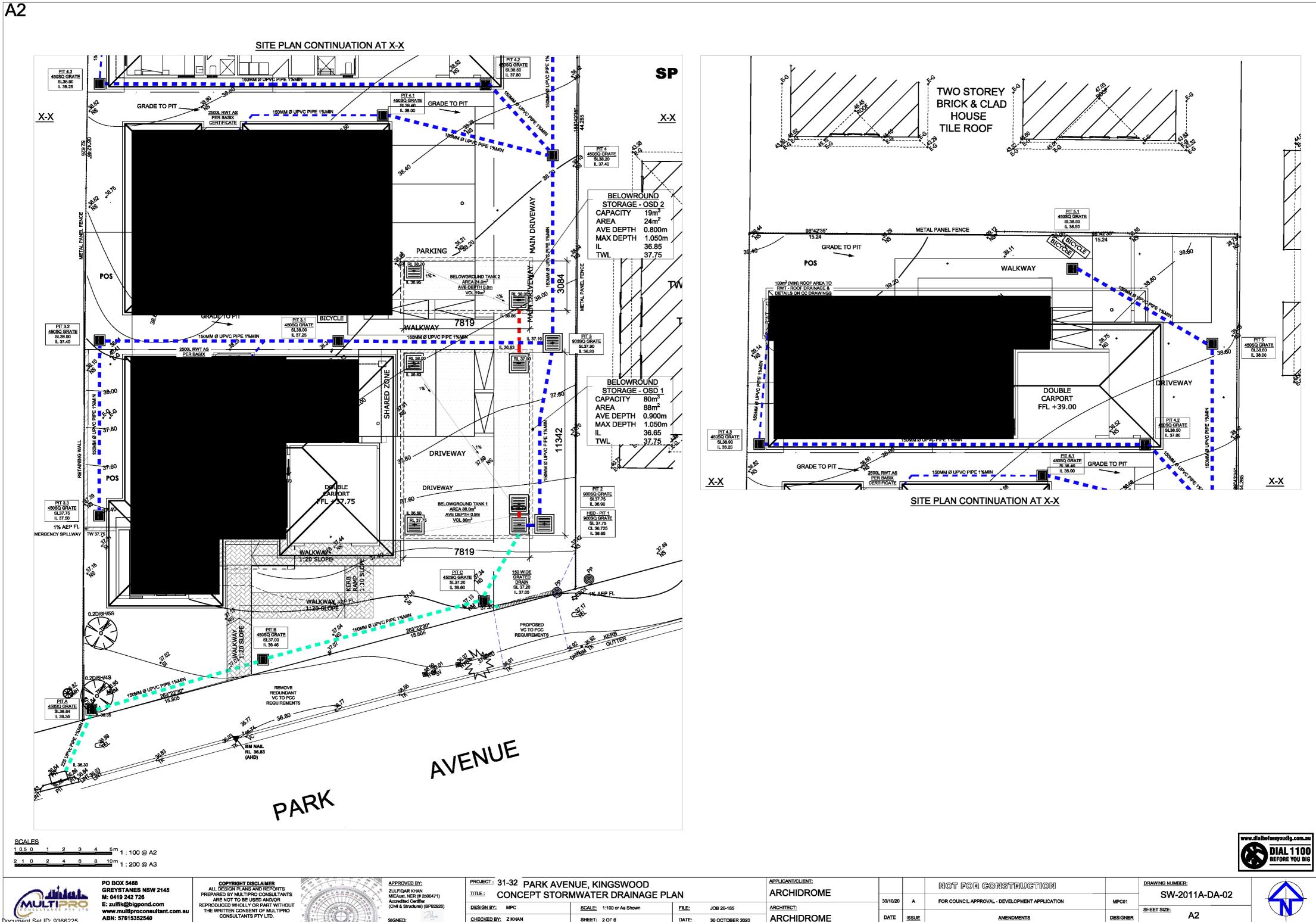
E: zulfik@bigpond.com www.multiproconsultant.com.au ABN: 57615352540 Document Set ID: 9366225 Version: 1, Version Date: 06/11/2020

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ZULFIQAR KHAN MIEAust, NER (# 2500471) Accredited Certifier (Civil & Structural) (BPB2925) SIGNED:

	APPLICANT/CLIENT: ARCHIDROME			NOT FOR CONSTRUCTION			
SURVEY, LOCALITY PLAN & DRAWING SCHEDULE		30/10/20	A	FOR COUNCIL APPROVAL - DEVELOPMENT APPLICATION	MPC01	SW-2011A-DA-01	┝──┼╱┻┓┤┲╲╲┤
SN BY: MPC SCALE: 1:100 or As Shown FILE: JOB 20-165	ARCHITECT:					SHEET SIZE:	
KED BY: Z KHAN SHEET: 1 OF 6 DATE: 30 OCTOBER 2020	ARCHIDROME	DATE	ISSUE	AMENDMENTS	DESIGNER	AZ	

RAWING NUMBER	TITLE
SW-2011A-DA-01	SURVEY, LOCALITY PLAN & DRAWING SCHEDULE
SW-2011A-DA-02	CONCEPT STORMWATER DRAINAGE PLAN
SW-2011A-DA-03	STORMWATER CATCHMENT PLAN
SW-2011A-DA-04	OSD DETAILS & CALCULATIONS
SW-2011A-DA-05	RAINWATER TANK AND DRAINAGE DETAILS
SW-2011A-DA-06	EROSION AND SEDIMENT CONTROL PLAN
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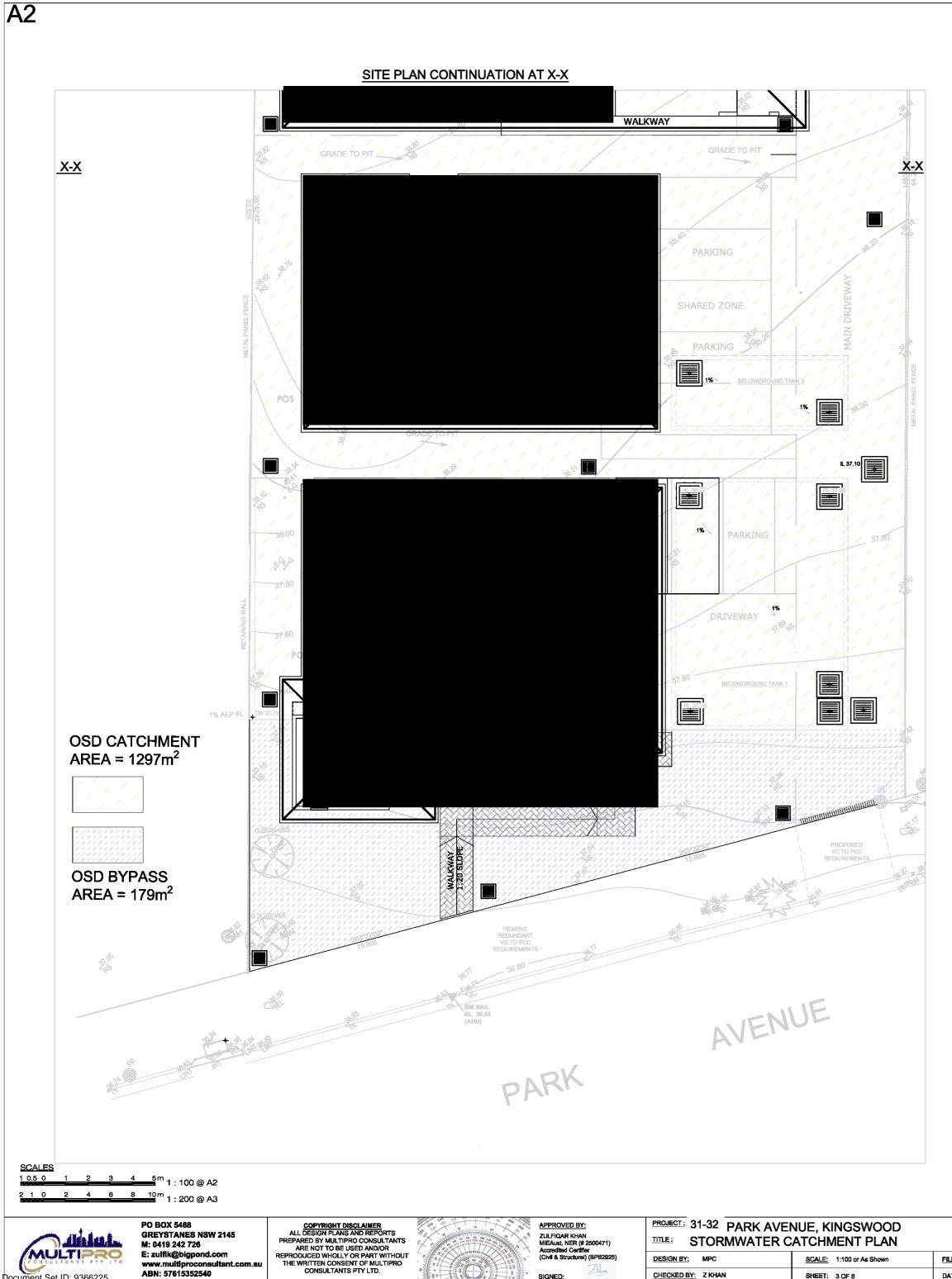
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JOB 20-165			A	FOR COUNCIL APPROVAL - DEVELOPMENT APPLICATION	MPC01	SW-2011A-DA-02	P)
30 OCTOBER 2020			ISSUE	AMENDMENTS	DESIGNER	SHEET SIZE: A2		



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<u>X-X</u>

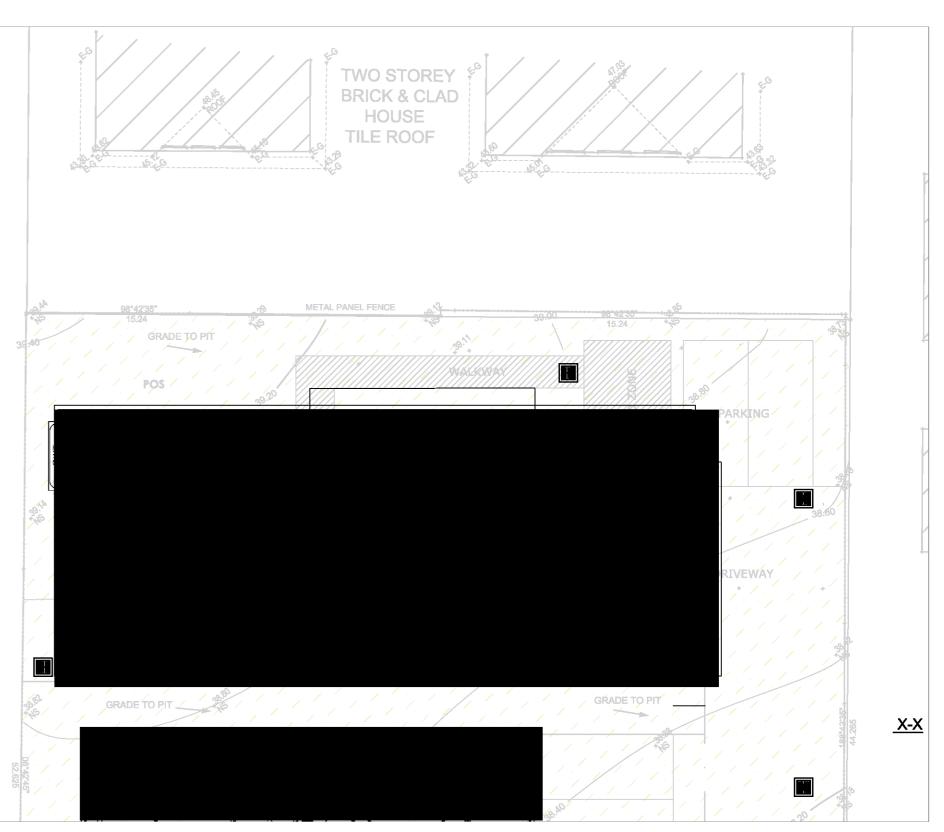
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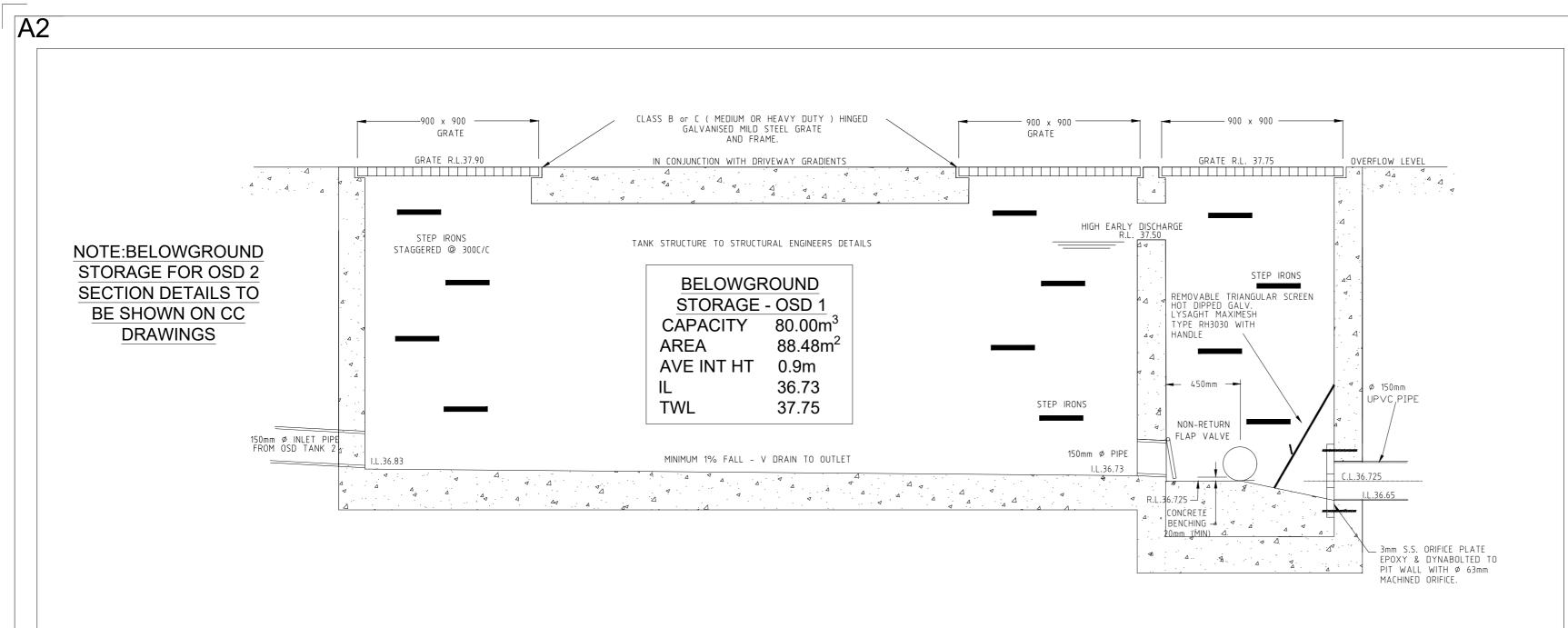
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SITE PLAN CONTINUATION AT X-X



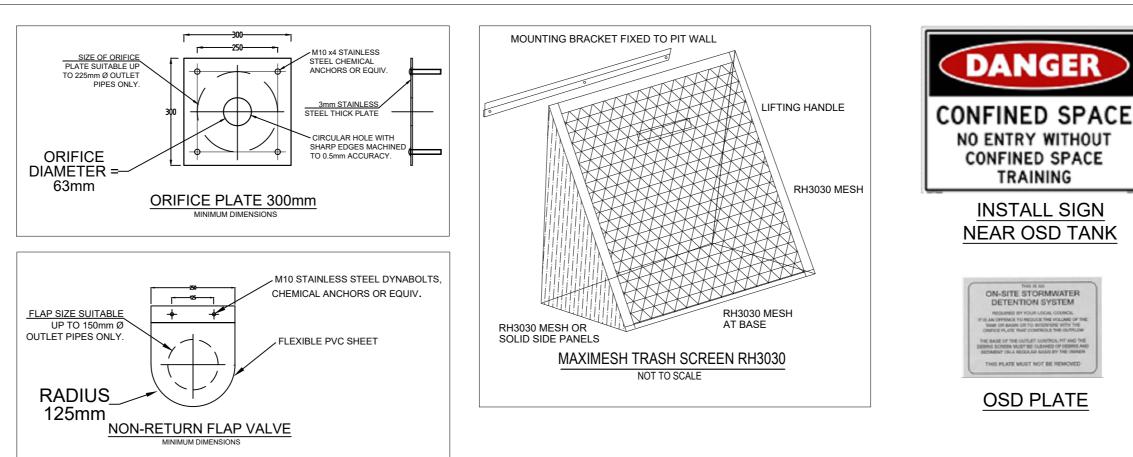
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100 00 465			30/10/20 A FOR COUNCIL APPROVAL - DEVELOPMENT APPLICATION		MPC01	SW-2011A-DA-03	
JOB 20-165 30 OCTOBER 2020			ISSUE	AMENDMENTS	DESIGNER	A2	



OSD BELOWGROUND DETENTION TANK 1

SECTION VIEW NTS

Project: Location:	Proposed Boarding H 31-32 Park Avenue, I			Lot No. DP No.	15-16 29528	
Designer:	MultiPro Consultants	•		OSD No	1	
OSD Area:						
					Drowned	
Site Area			0.148		0.148	
Basic Stora	ge Volume		69.40		69.40	
Basic Disch	arge		6.91		11.81	
Area of Site	to Storage		0.130	88%	0.130	88%
Percentage	-		87.84		87.84	
Storage per	ha of contributing area		535.04		535.04	
Volume/PSI	D Adjustment		67.05		67.05	
PSD for site			8.70		8.70	
Maximum H	ead to Orifice Centre		1.025		0.550	
Calculated (Drifice Diameter		0.063		0.063	
Maximum d	ischarge		8.695		6.373	
	h early discharge		0.775		0.300	
High Early D	Discharge		7.561	87%	4.707	54%
Mean Disch			8.128		5.540	
Average Dis	charge per Hectare		62.659		42.709	
Final Site S	torage Ratio		566		748	
Site Storage			73.37		97.09	
Volume Pro			99.00		99.000	102%



<u>SCALES</u>

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PO BOX 5468 **GREYSTANES NSW 2145** M: 0419 242 726 E: zulfik@bigpond.com www.multiproconsultant.com.au ABN: 57615352540

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ROJECT: 31-32 PARK AVEI TILE: OSD DETAILS & (
ESIGN BY: MPC	SCALE: 1:100 or As Shown	FILE:
HECKED BY: Z KHAN	SHEET: 4 OF 6	DATE:

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PROVED BY		PROJEC	
JLFIQAR KHAN EAust, NER (#	2500471)		<u>TITLE :</u>
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	Zillion	F	CHECKE

GENERAL NOTES

- 1. ALL WORKS SHALL GENERALLY BE UNDERTAKEN IN ACCORDANCE WITH AS/NZ 3500.3.2:1998 AND COUNCIL'S SPECIFICATIONS &/OR ENGINEERING GUIDELINES;
- 2. THIS STORMWATER PLAN SHALL BE READ IN CONJUNCTION WITH THE APPROVED ARCHITECTURAL, LANDSCAPE, SURVEY, AND SITE PLANS:
- 3. ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO MULTIPRO CONSULTANTS TO RESOLVE.
- 4. ALL DRAINAGE LINES SHALL BE AS FOLLOWS -
 - 90mm DIAMETER WHERE THE LINE ONLY RECEIVES ROOF -WATER:
 - 100mm DIAMETER WHERE THE LINE RECEIVES SURFACE RUNOFF OR IF THE LINE IS PART OF AN OSD SYSTEM;
 - A MINIMUM PIPELINE GRADE OF 1% FOR PIPES WITH A -DIAMETER LESS THAN 150mm AND 0.5% FOR PIPES OF GREATER DIAMETER;
- 3. ALL DRAINAGE LINES SHALL HAVE A MINIMUM COVER OF 100mm FOR PRIVATE PIPELINES AND 300mm FOR PUBLIC PIPELINES;
- 4. ALL PITS WITHIN TRAFFICABLE AREAS (I.E DRIVEWAYS) SHALL BE HEAVY DUTY. ALL SURFACE AREAS SHALL BE GRADED TO THE SURFACE INLET PITS/DRAINS.
- 5. LOCATION OF DOWN PIPES & FLOOR WASTES ARE INDICATIVE ONLY. DOWNPIPE & FLOOR WASTE SIZE, LOCATION & QUANTITY IS TO BE DETERMINED AT CC STAGE AND PRIOR TO CONSTRUCTION IN ACCORDANCE WITH THE RELEVANT STANDARDS.

UTILITY SERVICES

- 1. ALL SERVICES AS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. EXACT LOCATION SHALL BE ACCURATELY LOCATED BY CONTACTING DIAL BEFORE YOU DIG OR THE RELEVANT UTILITY PROVIDER BEFORE COMMENCING ANY EXCAVATION OR BUILDING WORKS
- 2. ALL WORKS UNDERTAKEN WITHIN THE ROAD RESERVE / CARRIAGEWAY SHALL HAVE PRIOR APPROVAL FROM THE RELEVANT AUTHORITY, PRIOR TO COMMENCING WORKS.

ONSITE DETENTION NOTES

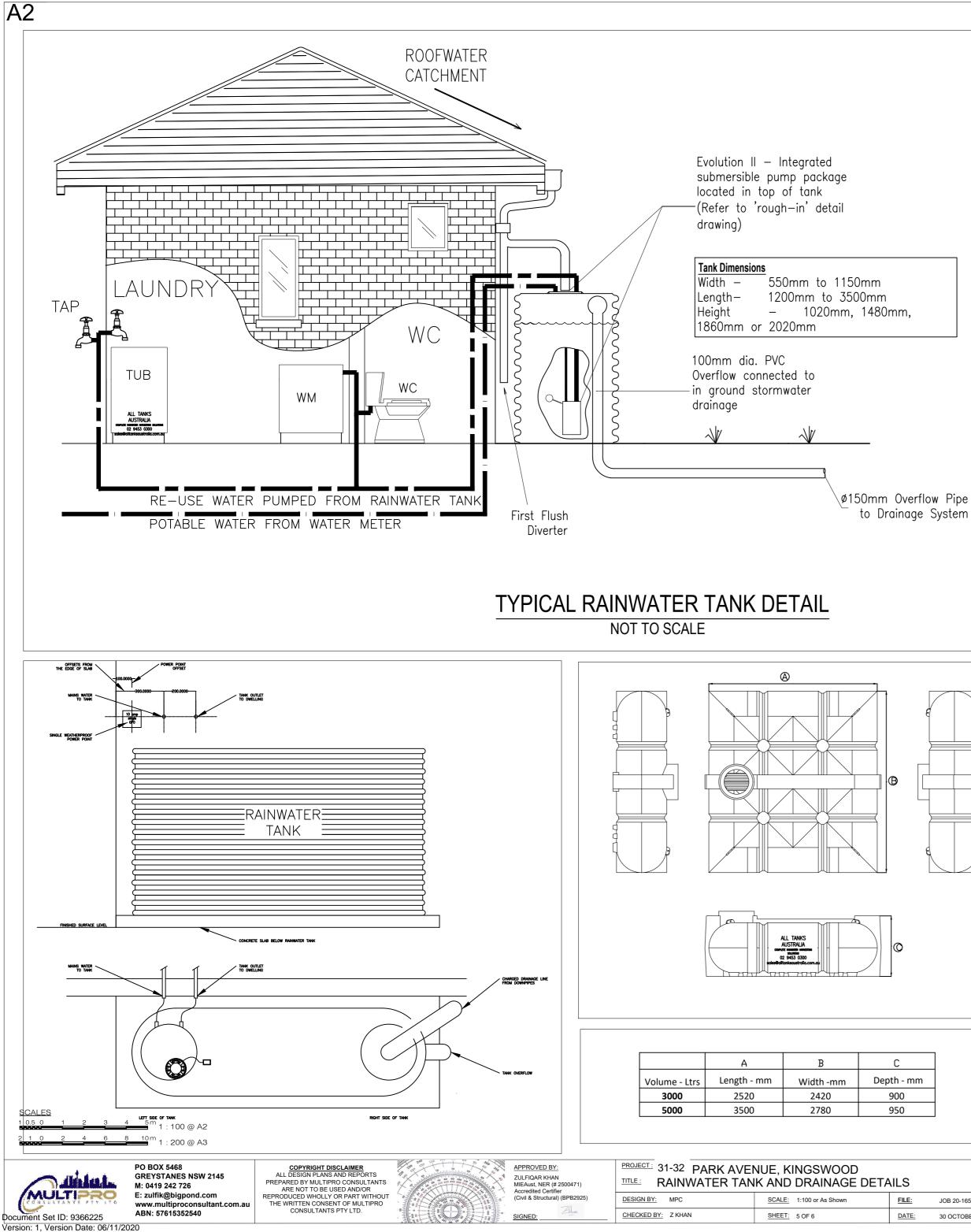
- ALL WALLS FORMING PART OF THE DETENTION BASIN SHALL BE OF 1 MASONRY CONSTRUCTION AN WHOLLY WITHIN THE PROPERTY BOUNDARY:
- 2. ALL MULCH WITHIN THE ABOVE GROUND DETENTION BASIN (IF PROPOSED) SHALL BE NON-FLOATABLE;
- 3. ALL GRATES TO BE FITTED WITH CHILD PROOF J-LOCKS;
- 4. THE CERTIFYING ENGINEER OR COUNCIL'S ENGINEER SHALL INSPECT THE OSD WORKS AT THE CRITICAL STAGES -

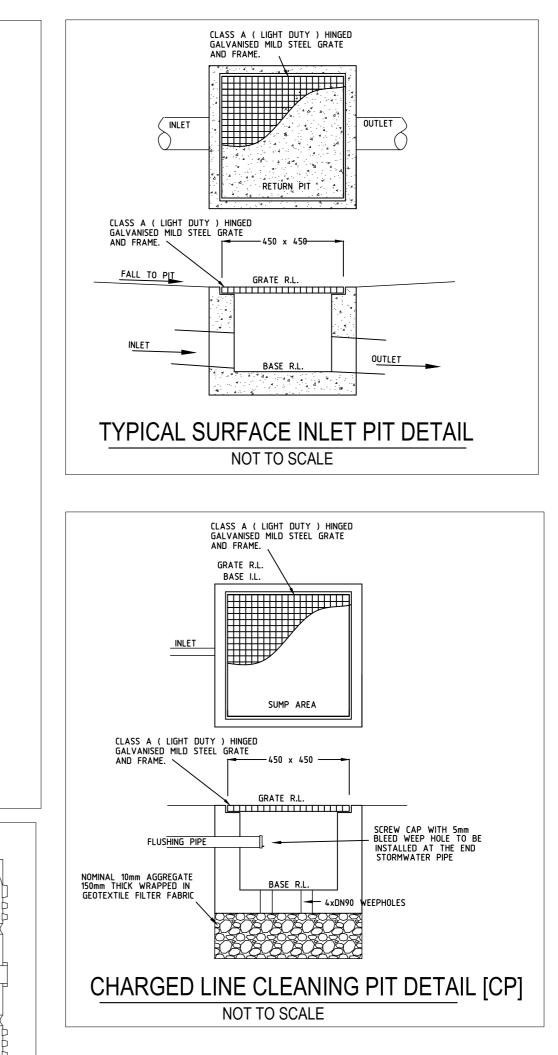
a. PRIOR TO COMMENCING WORK TO DISCUSS SITE CONSTRAINTS;

- b. PRIOR TO LANDSCAPING THE DETENTION BASIN & POURING THE ROOF OF THE DETENTION TANK;
- c. PRIOR TO INSTALLING THE FITTINGS TO THE DISCHARGE
- CONTROL UNIT; d. PRELIMINARY INSPECTION - PRIOR TO CERTIFICATION
- e. FINAL INSPECTION FOR CERTIFICATION. WORK-AS-EXECUTED [WAE] SHALL BE PREPARED BY A REGISTERED SURVEYOR PRIOR TO FINAL INSPECTION.
- 3. ALL MAINTENANCE WORK SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE MAINTENANCE SCHEDULE APPROVED BY COUNCIL:
- 4. DRAINAGE PIPE LINES ARE TO AVOID EXISTING TREES WHEREVER POSSIBLE - GENERALLY OUTSIDE THE DRIP LINE / CANOPY OF THE EXISTING TREE;



				NOT FOR CONSTRUCTION		DRAWING NUMBER:	
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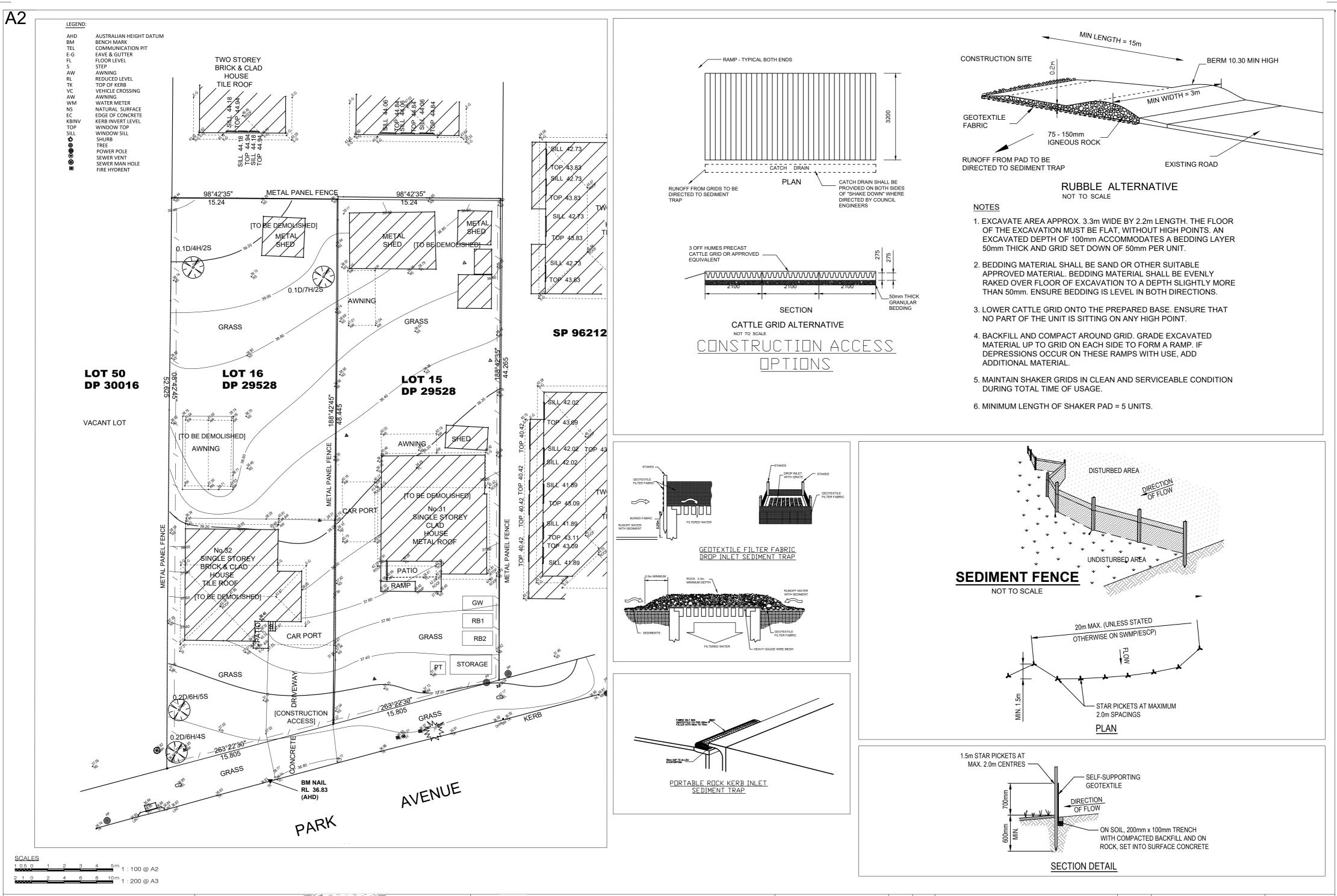


RAINWATER TANK & REUSE NOTES:

- 1. ALL FIXTURES AND DEVICES INSTALLED FOR THE PURPOSE OF RECYCLE WATER SUPPLY MUST BE NOTED WITH PLAQUE/SIGNAGE FOR IDENTIFICATION AND MARKED WITH "NOT FOR HUMAN CONSUMPTION" OR "NON-POTABLE WATER".
- 2. THE OVERFLOW FROM THE RAINWATER TANK SHALL BE CONNECTED TO THE INTERNAL STORMWATER DRAINAGE SYSTEM.
- GARDEN TAPS OR CARWASH TAPS CONNECTED TO THE RECYCLE SYSTEM MUST BE LOCATED 1.5m MIN ABOVE THE SURFACE.
- 4. ALL RECYCLE WATER PIPES TO BE COLOUR CODED FOR IDENTIFICATION.
- 5. SYDNEY WATER MUST BE CONTACTED REGARDING RECYCLED WATER ON BUILDINGS AND FOR THE BACKFLOW PREVENTION REQUIREMENTS AND TOP UP SYSTEMS.
- 6. FOR PERIODS OF LOW WATER LEVELS WITHIN THE RAINWATER TANK, A CONNECTION TO THE WATER MAIN IS NEEDED AND TO BE PROVIDED IN ACCORDANCE WITH SYDNEY WATER'S REQUIREMENTS.
- 7. ALL FITTINGS AND PUMPS TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
- 8. THE POSITION OF THE RAINWATER TANKS SHALL BE IN ACCORDANCE WITH THE APPROVED DRAWINGS AND COUNCIL'S REQUIREMENTS.



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APPROVED BY: ZULFIQAR KHAN MIEAust, NER (# 2500471) Accredited Certifier (Civil & Structural) (BPB2925) SIGNED

PROJECT: 31-32 PARK AVENUE, KINGSWOOD			APPLICANT/CLIENT: ARCHIDROME			NOT FOR CONSTRUCTION					
				30/10/20	A	FOR COUNCIL APPROVAL - DEVELOPMENT APPLICATION	MPC01	SW-2011A-DA-06			
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