

STORMWATER MANAGEMENT PLAN

LOT 10 KNIGHT STREET WARRIEWOOD


 **National Engineering Register**
ENGINEERS AUSTRALIA
Con Katsoulas
BE (Civil), MIEAust, CPEng No. 449924


- NOTES:
- ALL PROPOSED PITS TO BE 450 x 450 CAST IN-SITU OR PRECAST PITS UNLESS SHOWN OTHERWISE.
 - ALL CHARGED LINE PIPES TO BE 100Ø uPVC SEWER CLASS UNLESS SHOWN OTHERWISE
 - ALL DOWNPIPES TO BE 90Ø uPVC OR 100 x 50 UNLESS OTHERWISE SHOWN
 - ALL NON-PRESSURE STORMWATER PIPES TO BE 100Ø uPVC UNLESS SHOWN OTHERWISE
 - ALL GRATED DRAINS TO BE MINIMUM 150 WIDE GALVANIZED HEAVY DUTY GRATES.
 - ALL NON-TRAFFICABLE PITS TO BE LIGHT DUTY. PITS IN TRAFFICABLE AREAS TO BE HEAVY DUTY.
 - ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCILS SPECIFICATIONS.
 - ALL PITS GREATER THAN 1.2m DEPTH SHALL INCLUDE STEP IRONS AND HAVE MINIMUM CLEAR DIMENSIONS OF 600 x 600.
 - ALL PITS ARE TO BE BENCHED TO ALLOW SMOOTH FLOW OF WATER THROUGH PITS
 - ALL DOWNPIPES SHALL CONFORM TO AS/NZS 1866 FOR ALUMINIUM PIPES AND AS 1254, AS/NZS 1260, AS 1273, AS/NZS 1477, AS/NZS 2179.2 AND AS 2032 FOR uPVC PIPES.
 - ALL BOX GUTTERS SHALL COMPLY WITH AS/NZS 2179.1
 - ALL BOX GUTTERS SHALL BE CONSTRUCTED WITH A MINIMUM 1:200 GRADE TO SUMP/DOWNPipes
 - ALL DRAINAGE WORKS SHALL BE IN ACCORDANCE WITH AS 3500.3.2


SHEET INDEX:


SHEET No.	TITLE	AMMENDMENT No.
1	INDEX SHEET	0
2	STORMWATER DETAIL PLAN	0
3	STORMWATER DETAIL PLAN	0
4	FIRST FLOOR PLAN	0
5	ROOF PLAN	0
6	RAINWATER TANK DETAILS	0
7	EROSION AND SEDIMENT CONTROL PLAN	0


LEGEND


 FLOWPATH


 FLOOR WASTE


 FLOW SPREADER AND DOWNPIPE TYPE 1


 PROPOSED GRATED PIT


 PROPOSED SEALED WATER TIGHT PIT


 RAINHEAD


 SUMP OVERFLOW


 PROPOSED STORMWATER PIPE - GRAVITY


 PROPOSED V-DRAIN


 PROPOSED STORMWATER PIPE - CHARGED


 PROPOSED RISING MAIN (PRESSURE PIPE)


 PROPOSED SUBSOIL DRAIN


 PROPOSED BUILDING


 PROPOSED CONTOURS


 PROPOSED BASEMENT CHANNEL


 NEW DOWNPIPE - 100Ø


 EXISTING DOWNPIPE - 100Ø


 PIT/PIPE INVERT LEVEL


 TOP OF KERB LEVEL


 GRATED DRAIN


 EXISTING SURFACE LEVEL


 PROPOSED SURFACE LEVEL


 SEALED INSPECTION OPENING

 HIP ROOF

 FLAT ROOF


 TERRACE/BALCONY


 BASIX ROOF AREA DRAINING TO RAINWATER TANK

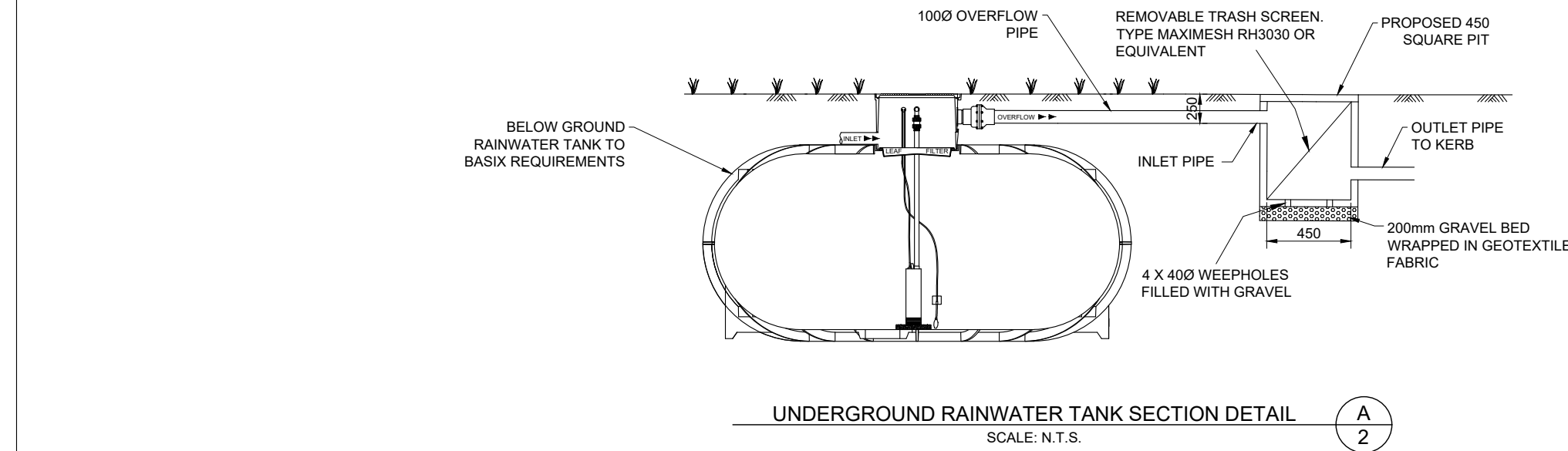
 AREA BYPASSING ON-SITE DETENTION TANK

DOWNPIPE TYPE	CROSS SECTION AREA MIN. (mm2)	DOWNPIPE SIZES	
		ROUND	RECTANGULAR
1	8600	90Ø	100 X 50
2	11000	100Ø	100 X 75
3	12900	125Ø	100 X 75
4	17100	125Ø	100 X 100
5	21500	150Ø	125 X 100
6	24700	150Ø	150 X 150

FOR DA APPROVAL

SURVEYOR YSCO GEOMATICS	0	DA ISSUE	18/03/24				C.K. ENGINEERING SERVICES ABN 67 115 216 496 49 FLORA ST ROSELANDS, NSW 2196 MOB: 0403 329 327 EMAIL: ckatsoulas@gmail.com	CLIENT: POPOVBASS	DRAWING TITLE: INDEX	DRAWN: S.C. DESIGNED: C.K. CHECKED: C.K.	SIGNED: 	DATE: MARCH 2024 SCALE: AS SHOWN DATUM: AHD
ARCHITECT POPOVBASS								PROJECT: LOT 10 KNIGHT STREET WARRIEWOOD				
CONSULTANT -	No.	AMMENDMENT	DATE	No.	AMMENDMENT	DATE				JOB & DRAWING No: 232281-L10	No. IN SET: 1 OF 7	ISSUE: 0
DO NOT SCALE												

SURVEYOR YSCO GEOMATICS	0	DA ISSUE	16/03/24				C.K. ENGINEERING SERVICES ABN 67 115 216 496 49 FLORA ST ROSELANDS, NSW 2196 MOB: 0403 329 327 EMAIL: ckatsoulas@gmail.com	CLIENT: POPOVBASS	DRAWING TITLE: FIRST FLOOR PLAN	DRAWN: S.C.	SIGNED: 	DATE: MARCH 2024
ARCHITECT POPOVBASS						DESIGNED: C.K.				SCALE: AS SHOWN		
CONSULTANT -	No.	AMMENDMENT	DATE	No.	AMMENDMENT	DATE		CHECKED: C.K.		DATUM: AHD		
					DO NOT SCALE			PROJECT: LOT 10 KNIGHT STREET WARRIEWOOD		JOB & DRAWING No: 232281-L10 No. IN SET: 4 OF 7	ISSUE: 0	



RAINWATER TANK NOTES

RAINWATER TANKS ARE TO BE:
ERECTED ON A SELF-SUPPORTING BASE IN THE APPROVED LOCATION ON THE PROPERTY IN ACCORDANCE WITH THE STAMPED-APPROVED SITE PLANS FOR THE DEVELOPMENT,
STRUCTURALLY SOUND AND CONSTRUCTED IN ACCORDANCE WITH AS/NZS 3500 1.2- 1998: NATIONAL PLUMBING AND DRAINAGE - WATER SUPPLY - ACCEPTABLE SOLUTIONS,
FULLY ENCLOSED AND ALL OPENINGS SEALED TO PREVENT ACCESS BY MOSQUITOES,
FITTED WITH A FIRST FLUSH DEVICE,
FITTED WITH A TRICKLE SYSTEM TO TOP UP FROM MAINS WATER, PROVIDED WITH AN AIR GAP, AND
INSTALLED BY A LICENSED PLUMBER IN ACCORDANCE WITH SYDNEY WATER'S "PLUMBING REQUIREMENTS INFORMATION FOR RAINWATER TANK SUPPLIERS AND PLUMBERS APRIL 2003" AND THE NSW CODE OF PRACTICE: PLUMBING AND DRAINAGE.



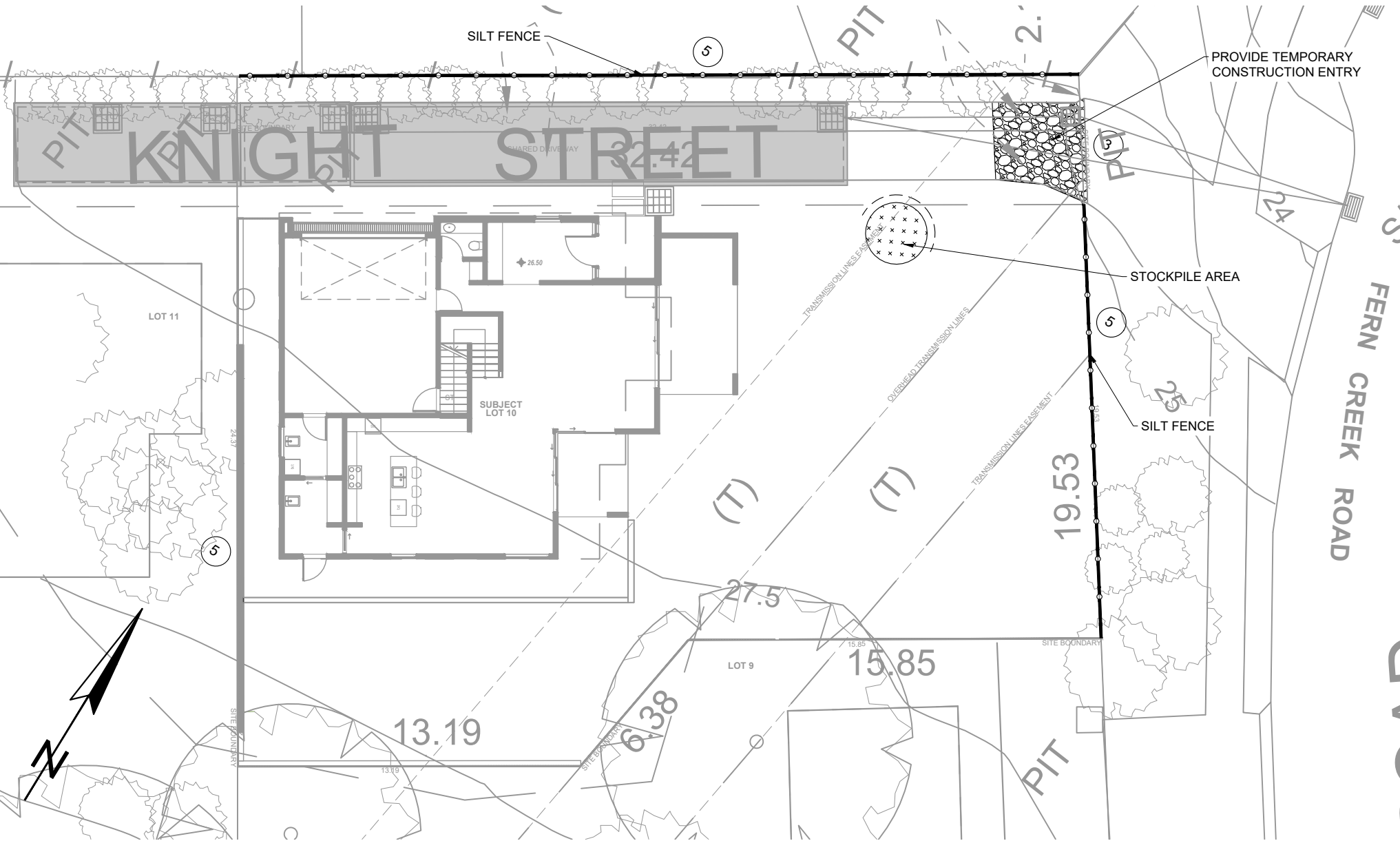
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YSO CO GEOMATICS							ABN 67 115 216 496	POPOVBASS	RAINWATER TANK DETAILS	DESIGNED: C.K.		SCALE: AS SHOWN
ARCHITECT							49 FLORA ST	PROJECT:		CHECKED: C.K.		DATUM: AHD
POPOVBASS							ROSELANDS, NSW 2196	LOT 10 KNIGHT STREET WARRIEWOOD				
CONSULTANT	No.	AMMENDMENT	DATE	No.	AMMENDMENT	DATE	MOB: 0403 329 327			JOB & DRAWING No: 232281-L10	No. IN SET: 6 OF 7	ISSUE: 0
-							EMAIL: ckatsoulas@gmail.com					



EROSION CONTROL NOTES:

- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S STANDARD SPECIFICATIONS AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.
- EROSION AND SEDIMENTATION CONTROLS SHALL BE CONSTRUCTED AS SHOWN ON SHEET 2 AND 3 OF THIS PLAN AND/OR WHERE DIRECTED BY COUNCIL'S ENGINEER.
- SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE IMPLEMENTED PRIOR TO OR IN CONJUNCTION WITH THE FIRST PHASE OF EARTHWORKS AND SHALL BE REMOVED ONLY WHEN THE AREAS ABOVE IT HAVE BEEN STABILISED. EACH SEDIMENTATION AND EROSION CONTROL DEVICE SHALL BE INSPECTED AFTER EACH STORM FOR STRUCTURAL DAMAGE OR CLOGGING BY SILT AND OTHER DEBRIS AND PROMPTLY DESILTED, REPAIRED OR REPLACED IF REQUIRED.
- TOPSOIL STOCKPILES SHALL BE LOCATED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE DEPRESSIONS.
- ALL AREAS NOT SUBJECT TO CONSTRUCTION WORKS SHALL BE RETAINED FREE FROM DISTURBANCE OR DAMAGE FOR THE DURATION OF THE WORKS.
- TREES TO BE RETAINED SHALL BE PROTECTED DURING SITE WORKS AND CONSTRUCTION BY THE ERECTION OF SOLID BARRICADES AT THE DRIP LINE OR AS SPECIFIED BY COUNCIL'S ENGINEER.
- THE DEVELOPER OR CONTRACTOR WILL TAKE ALL MEASURES TO PREVENT DAMAGE TO TREES AND ROOT SYSTEMS DURING SITE WORKS AND CONSTRUCTION ACTIVITIES INCLUDING THE PROVISION OF WATER, SEWERAGE AND STORMWATER DRAINAGE SERVICES. IN PARTICULAR, WORKS, ERECTION OF STRUCTURES, EXCAVATION OR CHANGES TO SOIL LEVELS WITHIN 4 METRES OF THE TRUNKS OF TREES TO BE RETAINED ARE NOT PERMITTED UNLESS PART OF THE DEVELOPMENT AS APPROVED, AND THE STORAGE OF SPOIL, BUILDING MATERIALS, SOILS OR THE DRIVING OR PARKING OF ANY VEHICLE OR MACHINERY WITHIN 4 METRES OF THE TRUNK OF A TREE TO BE RETAINED, IS NOT PERMITTED.
- WETTING OF THE SITE SHOULD BE CARRIED OUT AS OFTEN AS NECESSARY AS A FORM OF DUST CONTROL.
- SILT FENCES TO BE CONSTRUCTED WHERE EVER NATURAL SURFACE SLOPES AWAY FROM DISTURBED AREAS OR WHERE DIRECTED BY THE ENGINEER.

EROSION AND SEDIMENT CONTROL PLAN
SCALE: 1:200



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ARCHITECT POPOVBASS								PROJECT: LOT 10 KNIGHT STREET WARRIEWOOD				
CONSULTANT	No.	AMMENDMENT	DATE	No.	AMMENDMENT	DATE				JOB & DRAWING No: 232281-L10	No. IN SET: 7 OF 7	ISSUE: 0
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