










# LOT 8 ORCHARD STREET WARRIEWOOD

[illegible]


	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 - GROUND FLOOR
	PROPOSED BUILDING - FIRST FLOOR
	PROPOSED CONTOURS

	NEW DOWNPIPE - 100Ø
	EXISTING DOWNPIPE - 100Ø
IL 0.00	PIT/PIPE INVERT LEVEL
TK 0.00	TOP OF KERB LEVEL
	GRATED DRAIN
+ 00.00	EXISTING SURFACE LEVEL
+ 	PROPOSED SURFACE LEVEL
● IP	SEALED INSPECTION OPENING
	HIP ROOF
	FLAT ROOF
	TERRACE/BALCONY
	BASIX ROOF AREA DRAINING TO RAINWATER TANK
	AREA BYPASSING ON-SITE DETENTION TANK

1. ALL PROPOSED PITS TO BE 450 x 450 CAST IN-SITU OR PRECAST PITS UNLESS SHOWN OTHERWISE.
2. ALL CHARGED LINE PIPES TO BE 100Ø uPVC SEWER CLASS UNLESS SHOWN OTHERWISE
3. ALL DOWNPIPES TO BE 90Ø uPVC OR 100 x 50 UNLESS OTHERWISE SHOWN
4. ALL NON-PRESSURE STORMWATER PIPES TO BE 100Ø uPVC UNLESS SHOWN OTHERWISE
5. ALL GRATED DRAINS TO BE MINIMUM 150 WIDE GALVANIZED HEAVY DUTY GRATES.
6. ALL NON-TRAFFICABLE PITS TO BE LIGHT DUTY. PITS IN TRAFFICABLE AREAS TO BE HEAVY DUTY.
7. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCILS SPECIFICATIONS.
8. ALL PITS GREATER THAN 1.2m DEPTH SHALL INCLUDE STEP IRONS AND HAVE MINIMUM CLEAR DIMENSIONS OF 600 x 600.
9. ALL PITS ARE TO BE BENCHED TO ALLOW SMOOTH FLOW OF WATER THROUGH PITS
10. 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.
11. ALL BOX GUTTERS SHALL COMPLY WITH AS/NZS 2179.1
12. ALL BOX GUTTERS SHALL BE CONSTRUCTED WITH A MINIMUM 1:200 GRADE TO SUMP/DOWNPipes
13. ALL DRAINAGE WORKS SHALL BE IN ACCORDANCE WITH AS 3500.3.2

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 YSKO GEOMATICS	0	DA ISSUE	10/08/23				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.	SIGNED: 	DATE: AUGUST 2023
ARCHITECT POPOVBASS								DESIGNED: C.K.		SCALE: AS SHOWN		
CONSULTANT -	No.	AMMENDMENT	DATE	No.	AMMENDMENT	DATE		PROJECT: LOT 8 ORCHARD STREET WARRIEWOOD		CHECKED: C.K.	DATUM: AHD	
						DO NOT SCALE				JOB & DRAWING No:	232211	No. IN SET: 1 OF 7



SITE PLAN  
SCALE: 1:1000


[www.dialbeforeyoudig.com.au](http://www.dialbeforeyoudig.com.au)

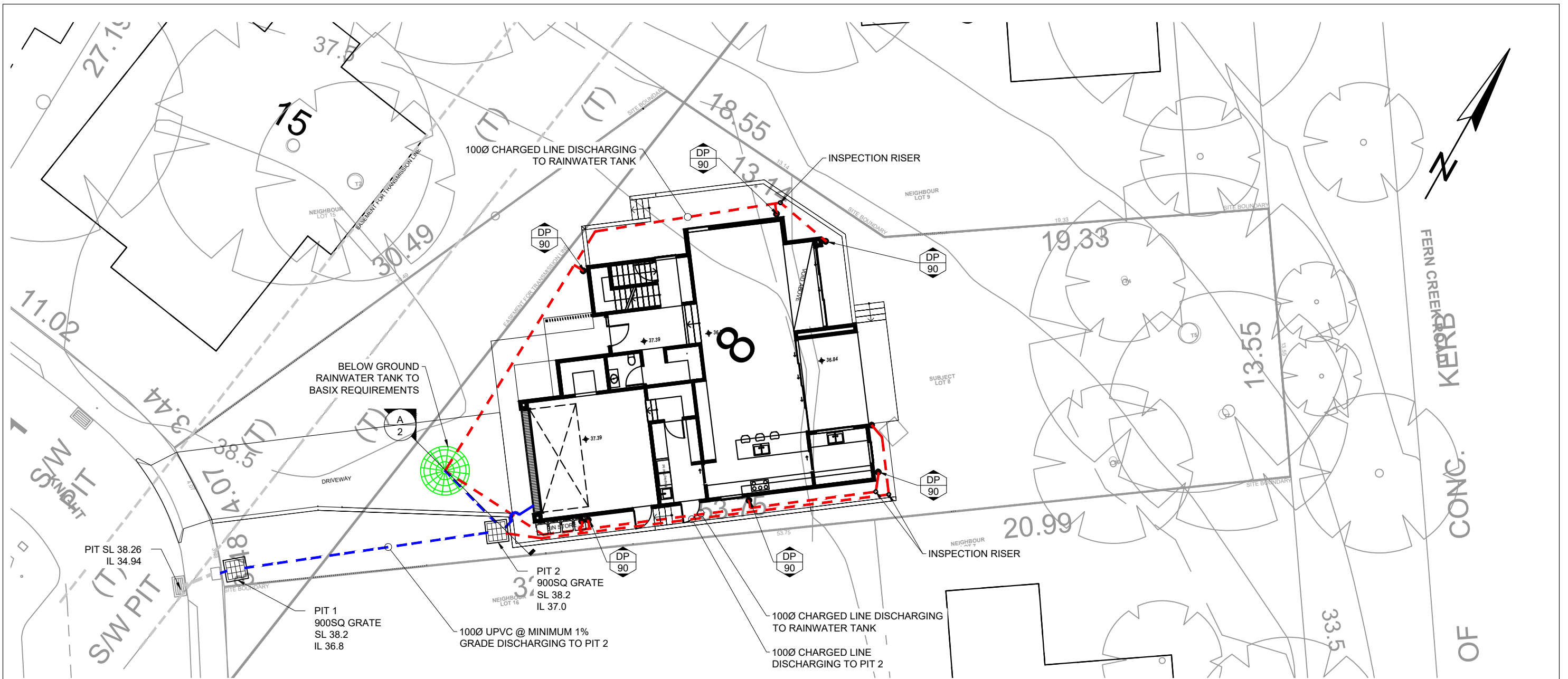
DIAL1100  
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# FOR DA APPROVAL

**National Engineering Register**  
ENGINEERS AUSTRALIA

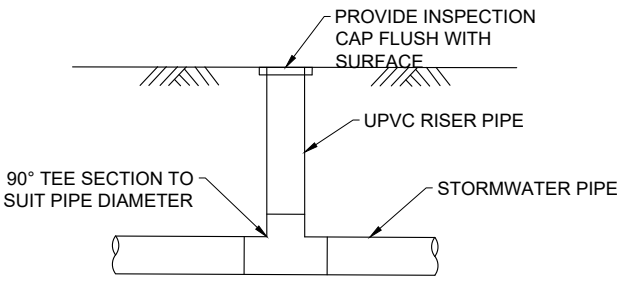
Con Katsoulas  
BE (Civil), MIEAust, CPEng No. 449924

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ARCHITECT POPOVBASS								PROJECT: LOT 8 ORCHARD STREET WARRIEWOOD		DESIGNED: C.K.		SCALE: AS SHOWN	
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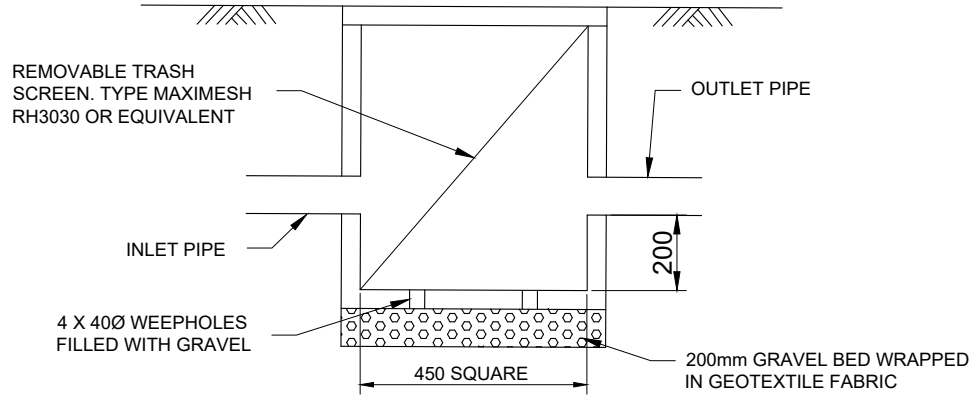
GROUND FLOOR PLAN

SCALE: 1:200



INSPECTION RISER DETAIL

SCALE: N.T.S.

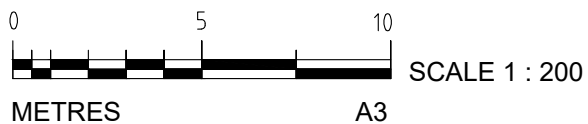


SILT ARRESTOR PIT 1 TYPICAL DETAIL

SCALE: 1:20



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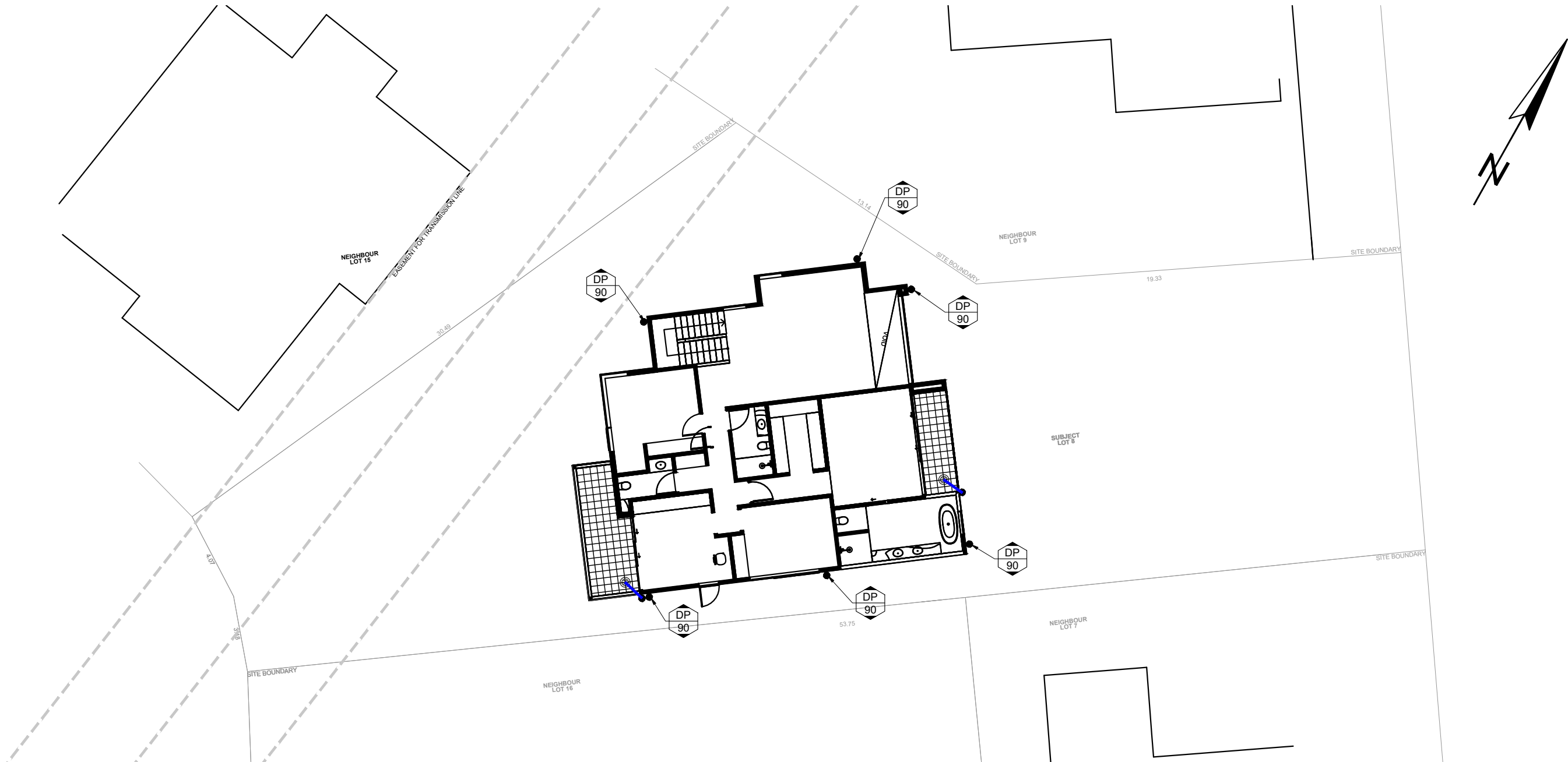


# FOR DA APPROVAL

ALL PIPES TO BE 1000 uPVC  
UNLESS OTHERWISE SHOWN

ALL GUTTERS TO HAVE MIN.  
8600mm2 X-SECT AREA.

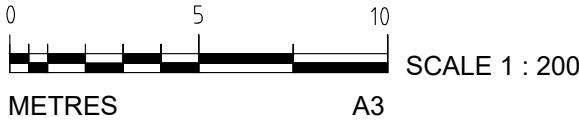
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ARCHITECT POPOVBASS								PROJECT: LOT 8 ORCHARD STREET WARRIEWOOD				
CONSULTANT	No.	AMMENDMENT	DATE	No.	AMMENDMENT	DATE	DO NOT SCALE			JOB & DRAWING No:	232211	No. IN SET: 3 OF 7 ISSUE: 0



LEVEL 1 PLAN  
SCALE: 1:200



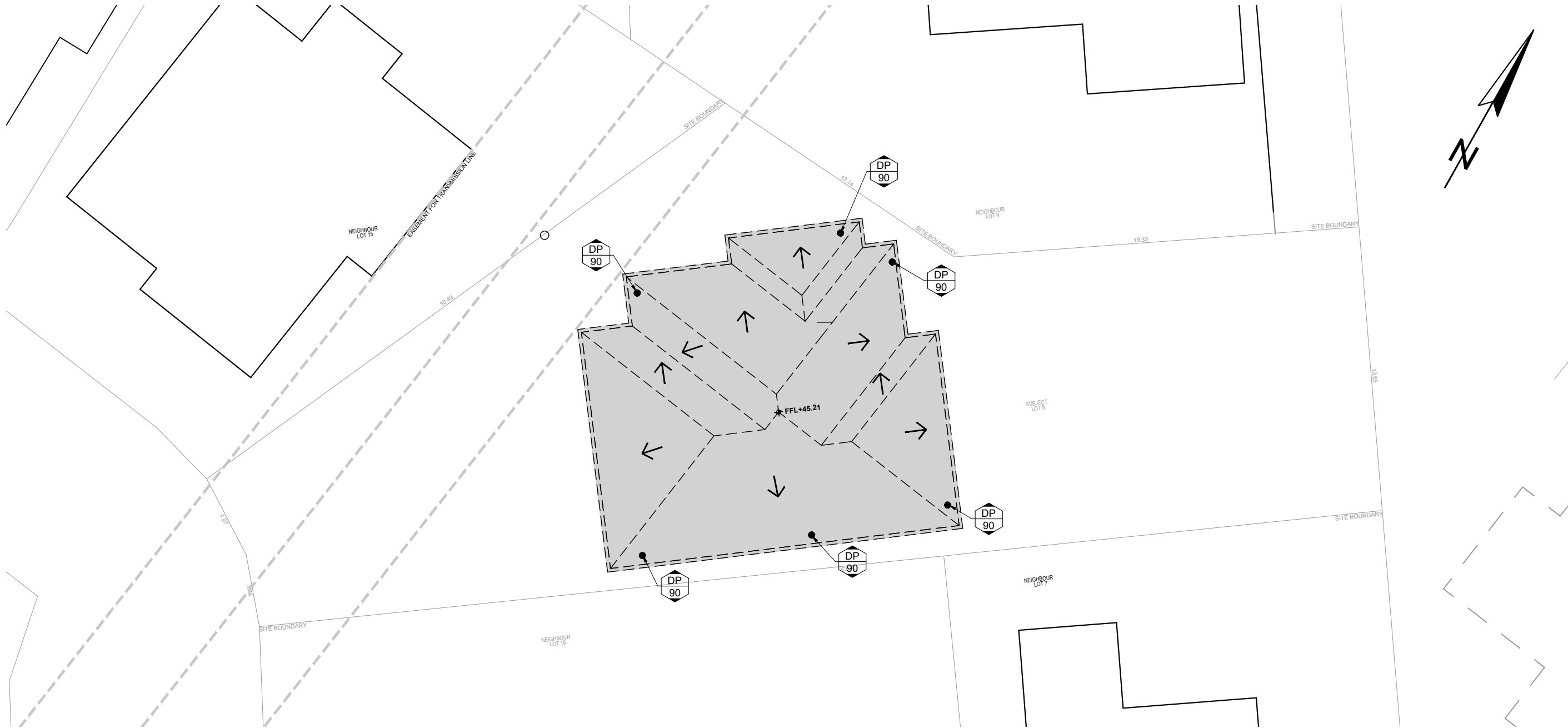
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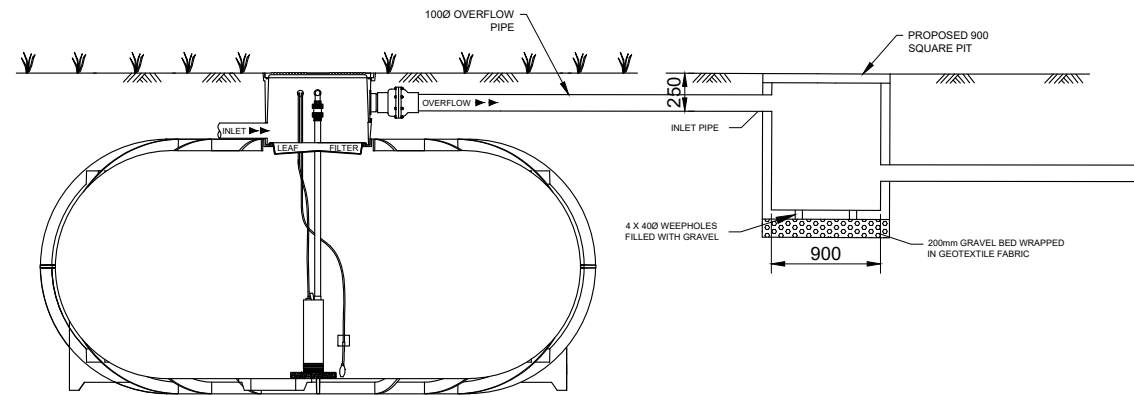
ROOF PLAN  
SCALE: 1:200



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ARCHITECT POPOVBASS							PROJECT: LOT 8 ORCHARD STREET WARRIEWOOD		DESIGNED: C.K.		SCALE: AS SHOWN			
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UNDERGROUND RAINWATER TANK SECTION DETAIL  
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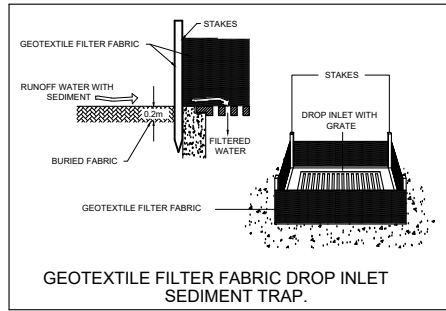
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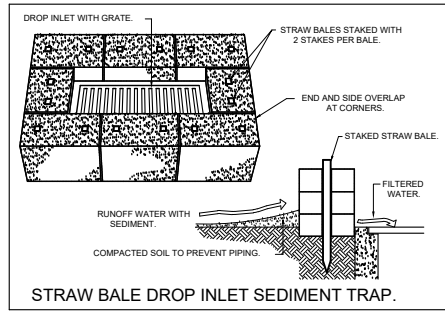
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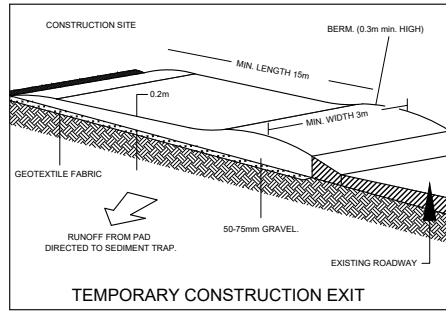
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CONSULTANT -		No.	AMMENDMENT		DATE	No.	AMMENDMENT		DATE		CHECKED: C.K.		DATUM: AHD	
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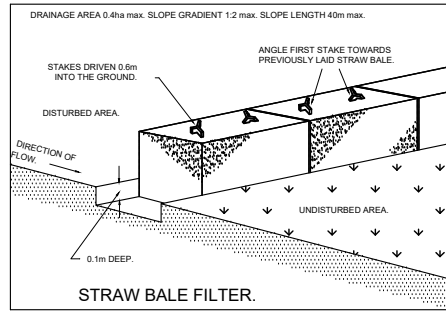
DETAIL 1



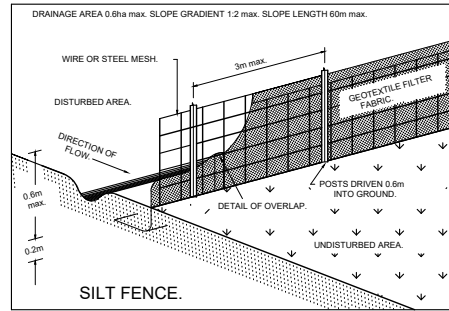
DETAIL 2



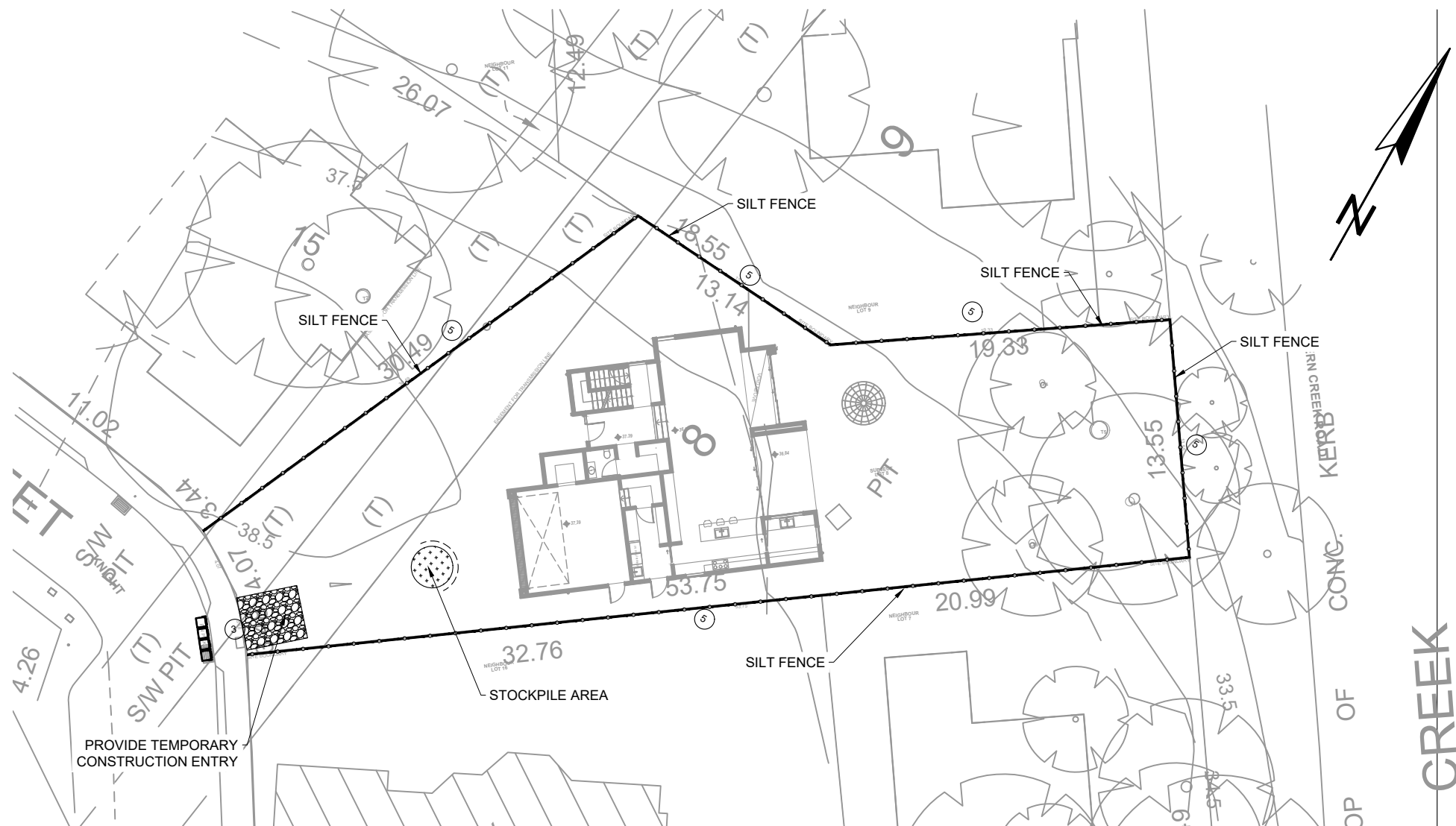
DETAIL 3



DETAIL 4



DETAIL 5



EROSION AND SEDIMENT CONTROL PLAN

### EROSION CONTROL NOTES:

1. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S STANDARD SPECIFICATIONS AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.
2. 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.
3. 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.
4. TOPSOIL STOCKPILES SHALL BE LOCATED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE DEPRESSIONS.
5. ALL AREAS NOT SUBJECT TO CONSTRUCTION WORKS SHALL BE RETAINED FREE FROM DISTURBANCE OR DAMAGE FOR THE DURATION OF THE WORKS.
6. 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.
7. 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.
8. WETTING OF THE SITE SHOULD BE CARRIED OUT AS OFTEN AS NECESSARY AS A FORM OF DUST CONTROL.
9. SILT FENCES TO BE CONSTRUCTED WHERE EVER NATURAL SURFACE SLOPES AWAY FROM DISTURBED AREAS OR WHERE DIRECTED BY THE ENGINEER.

# FOR DA APPROVAL



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CONSULTANT	No.	AMMENDMENT	DATE	No.	AMMENDMENT	DATE				JOB & DRAWING No:	232211	No. IN SET: 7 OF 7 ISSUE: 0
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