STORMWATER MANAGEMENT PLAN

107 CRINAN STREET HURLSTONE



SHEET INDEX:

| SHEET No. | TITLE | AMMENDMENT No. | | |
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| 1 | INDEX SHEET | 0 | | |
| 2 | STORMWATER DETAIL PLAN | 0 | | |
| 3 | GROUND FLOOR PLAN | 0 | LEGEND | EXISTING DOWNPIPE - 100 x 100 RECTANGULAR |
| 4 | ROOF PLAN | 0 | | EXISTING DOWNPIPE - 100 x 100 RECTANGULAR |
| 5 | TRANSPIRATION BED & REFLUX VALVE DETAILS | 0 | | NEW DOWNPIPE - 100Ø |
| 6 | EROSION AND SEDIMENT CONTROL PLAN | | FLOWPATH FLOOR WASTE FS-1 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 | EDP 100 EXISTING DOWNPIPE - 100Ø IL 0.00 PIT/PIPE INVERT LEVEL TK 0.00 TOP OF KERB LEVEL GRATED DRAIN + 00.00 EXISTING SURFACE LEVEL + 00.00 PROPOSED SURFACE LEVEL o IP SEALED INSPECTION OPENING HIP ROOF TERRACE/BALCONY BASIX ROOF AREA DRAINING TO RAINWATER TAN AREA BYPASSING ON-SITE DETENTION TANK |

NOTES:

- 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
- 5. ALL GRATED DRAINS TO BE MINIMUM 150 WIL GALVANIZED HEAVY DUTY GRATES.
- 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.
- 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 | CROSS SECTION AREA MIN. (mm2) | DOWNPIPE SIZES | | | |
|----------|----------------------------------|----------------|-------------|--|--|
| TYPE | | ROUND | RECTANGULAR | | |
| 90 | 8600 | 90Ø | - | | |
| 100 | 11000 | 100Ø | - | | |
| 125 | 12900 | 125Ø | - | | |
| 150 | 24700 | 150Ø | - | | |
| 1050 | 8600 | - | 100 X 50 | | |
| 1075 | 12900 | - | 100 X 75 | | |
| 1010 | 17100 | - | 100 x 100 | | |
| 1210 | 21500 | - | 125 x 100 | | |
| 1515 | 24700 | - | 150 x 150 | | |

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| SURVEYOR | 0 | DA ISSUE | 12/02/25 | | | |
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| PAUL A. LAWSON | | | | | | |
| ARCHITECT | | | | | | |
| TRUE NORTH DESIGN | | | | | | |
| CONSULTANT | No. | AMMENDMENT | DATE | No. | AMMENDMENT | DATE |
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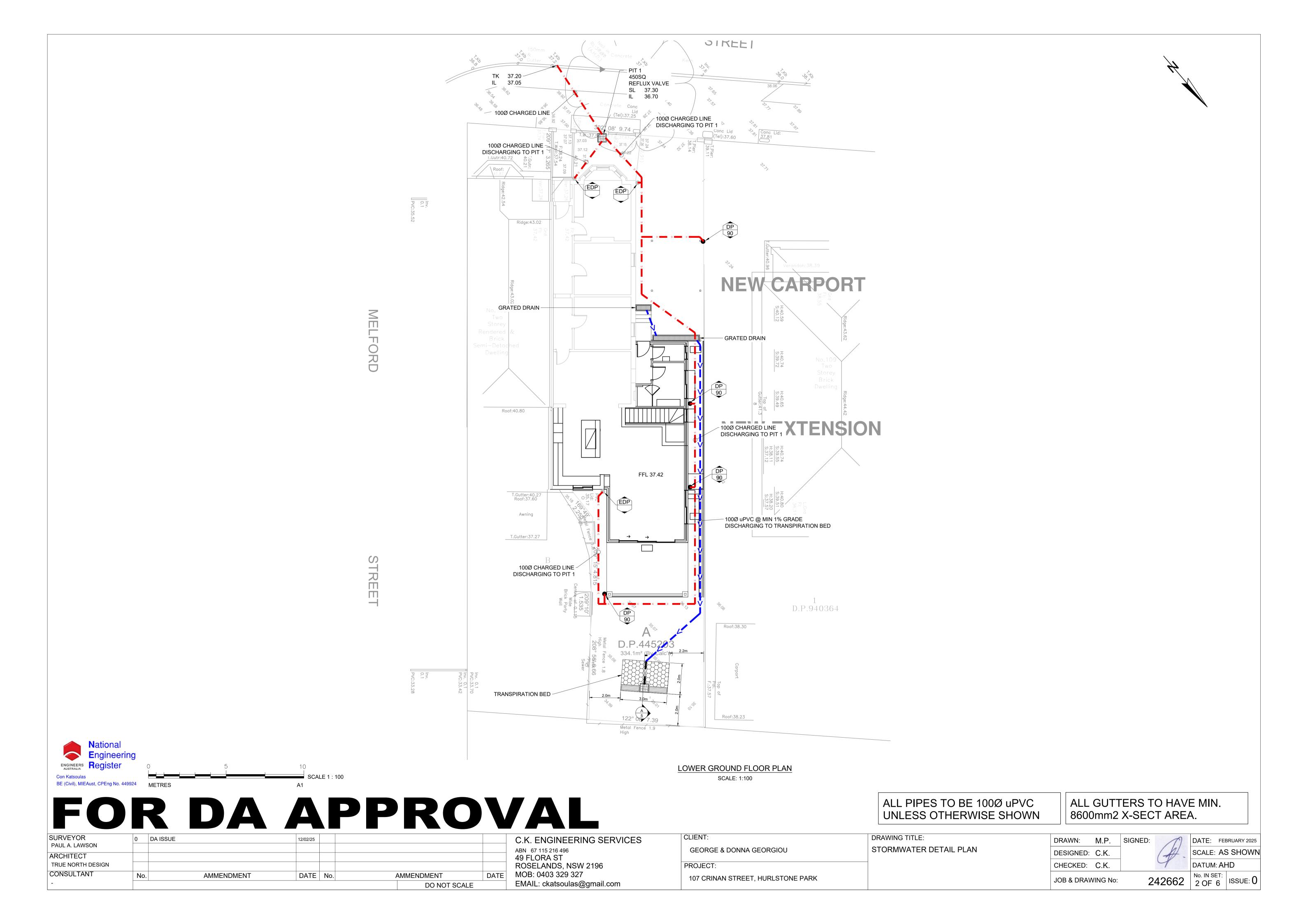
| C.K. ENGINEERING SERVICES |
|-----------------------------|
| ABN 67 115 216 496 |
| 49 FLORA ST |
| ROSELANDS, NSW 2196 |
| MOB: 0403 329 327 |
| EMAIL: ckatsoulas@gmail.com |

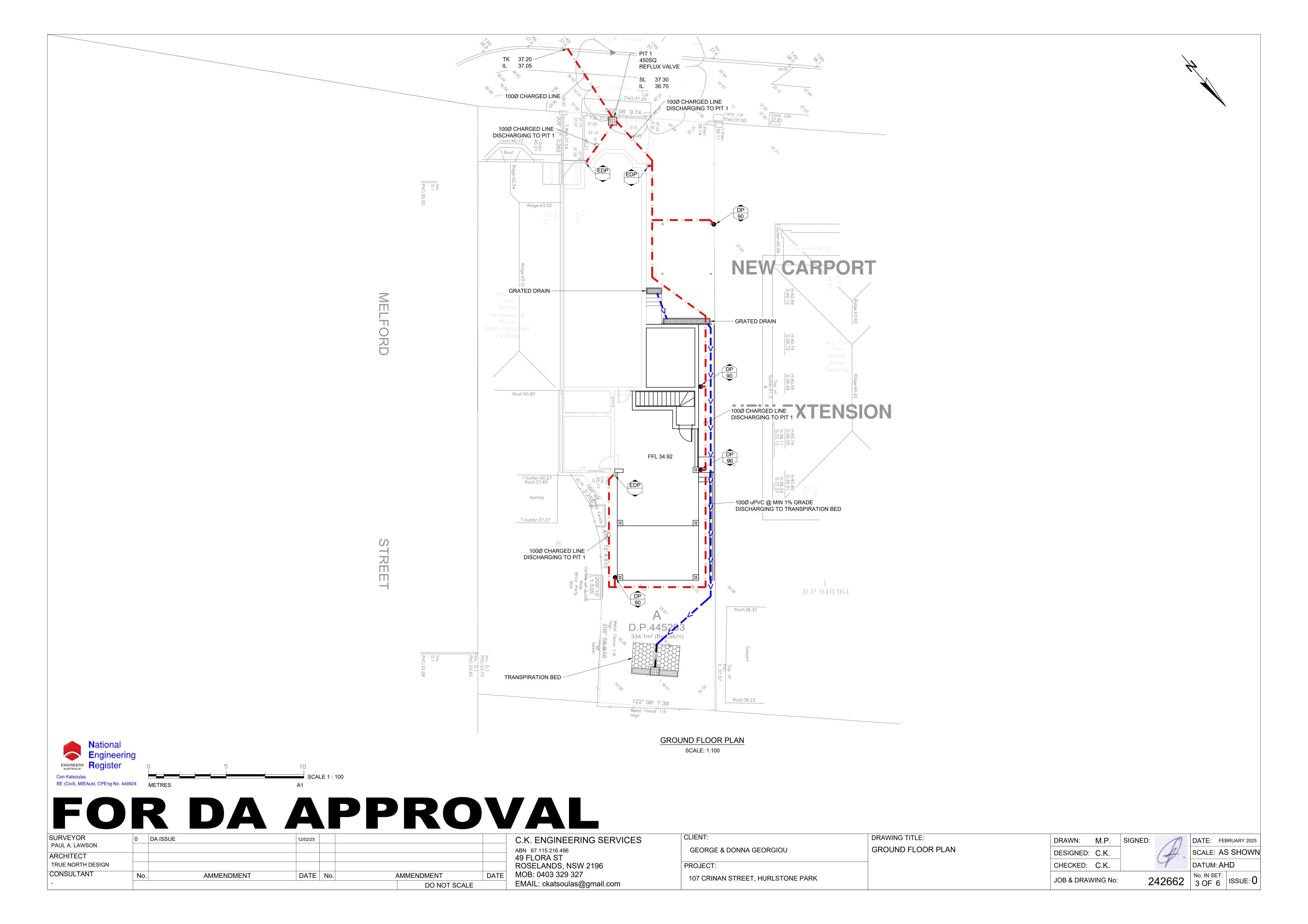
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| GEORGE & DONNA GEORGIOU | STORMWATER DETAIL PLAN |
| PROJECT: | |
| 107 CRINAN STREET, HURLSTONE PARK | |

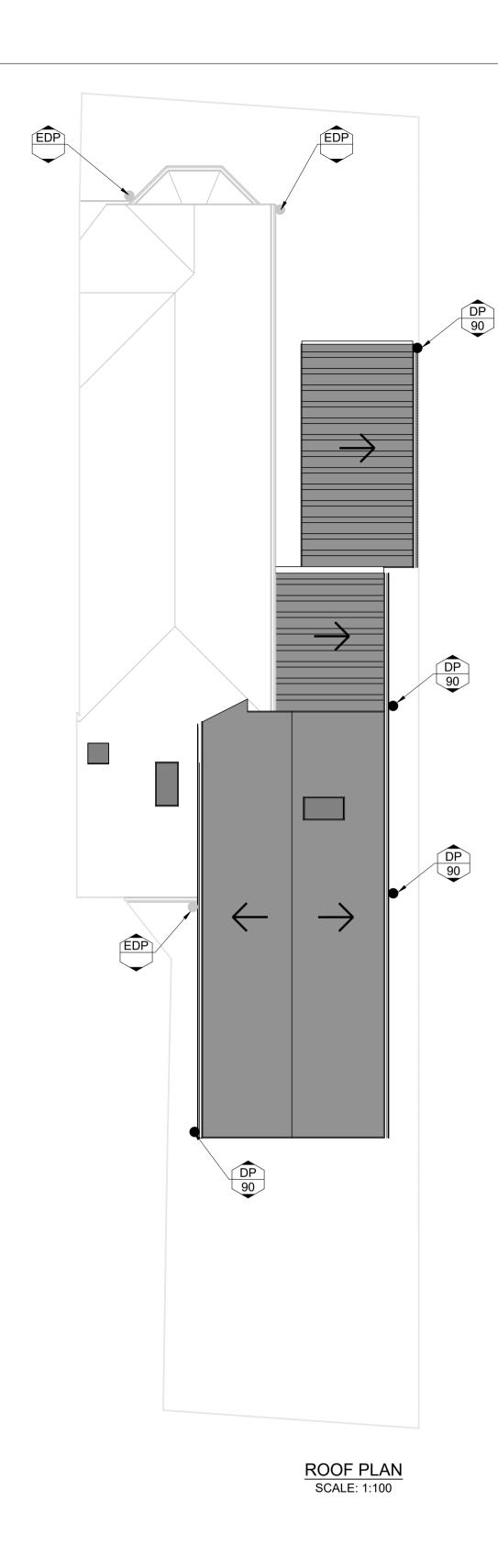
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ABN 67 115 216 496

49 FLORA ST

ROSELANDS, NSW 2196

MOB: 0403 329 327

EMAIL: ckatsoulas@gmail.com

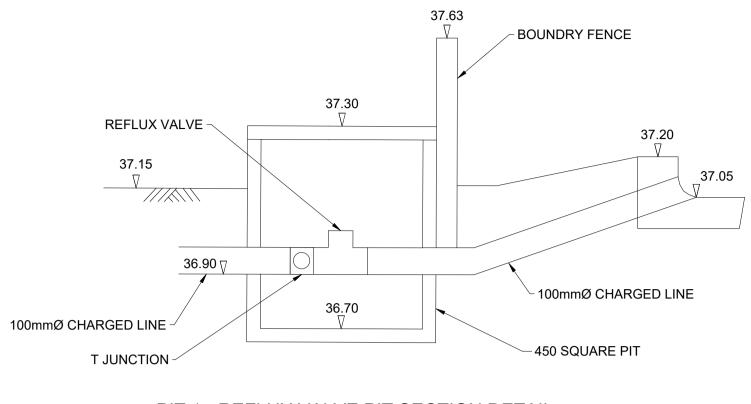
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| GEORGE & DONNA GEORGIOU | ROOF PLAN |
| PROJECT: | |
| 107 CRINAN STREET, HURLSTONE PARK | |

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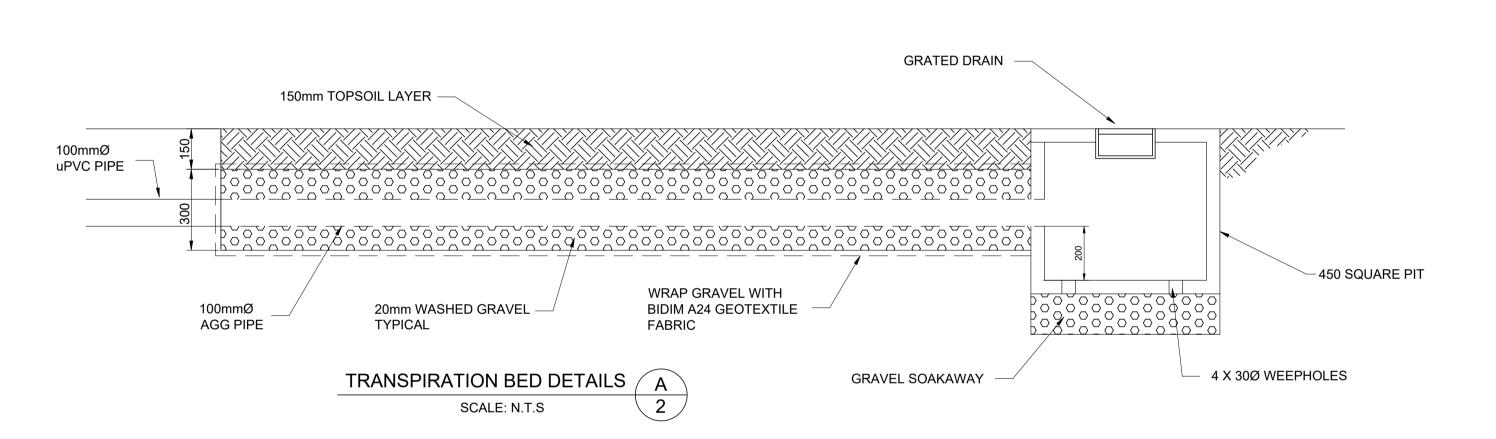
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PIT 1 - REFLUX VALVE PIT SECTION DETAIL

SCALE: N.T.S





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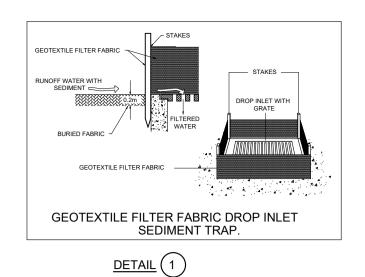
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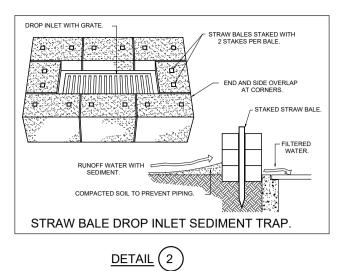
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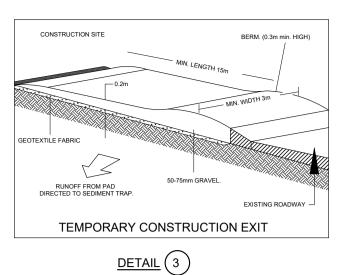
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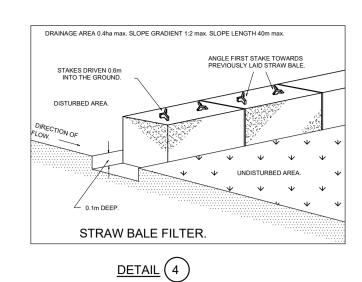
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EROSION CONTROL NOTES:

ENGINEER.

REQUIRED.

DRAINAGE DEPRESSIONS.

FORM OF DUST CONTROL.

OR AS SPECIFIED BY COUNCIL'S ENGINEER.

OF A TREE TO BE RETAINED, IS NOT PERMITTED.

1. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S STANDARD SPECIFICATIONS AND TO THE SATISFACTION OF COUNCIL'S

2. EROSION AND SEDIMENTATION CONTROLS SHALL BE CONSTRUCTED AS SHOWN

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

4. TOPSOIL STOCKPILES SHALL BE LOCATED OUTSIDE HAZARD AREAS SUCH AS

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

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,

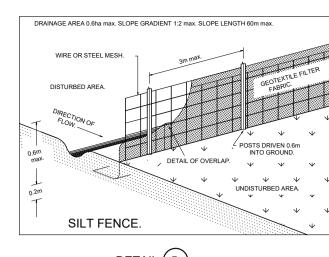
AND THE STORAGE OF SPOIL, BUILDING MATERIALS, SOILS OR THE DRIVING OR PARKING OF ANY VEHICLE OR MACHINERY WITHIN 4 METRES OF THE TRUNK

8. WETTING OF THE SITE SHOULD BE CARRIED OUT AS OFTEN AS NECESSARY AS A

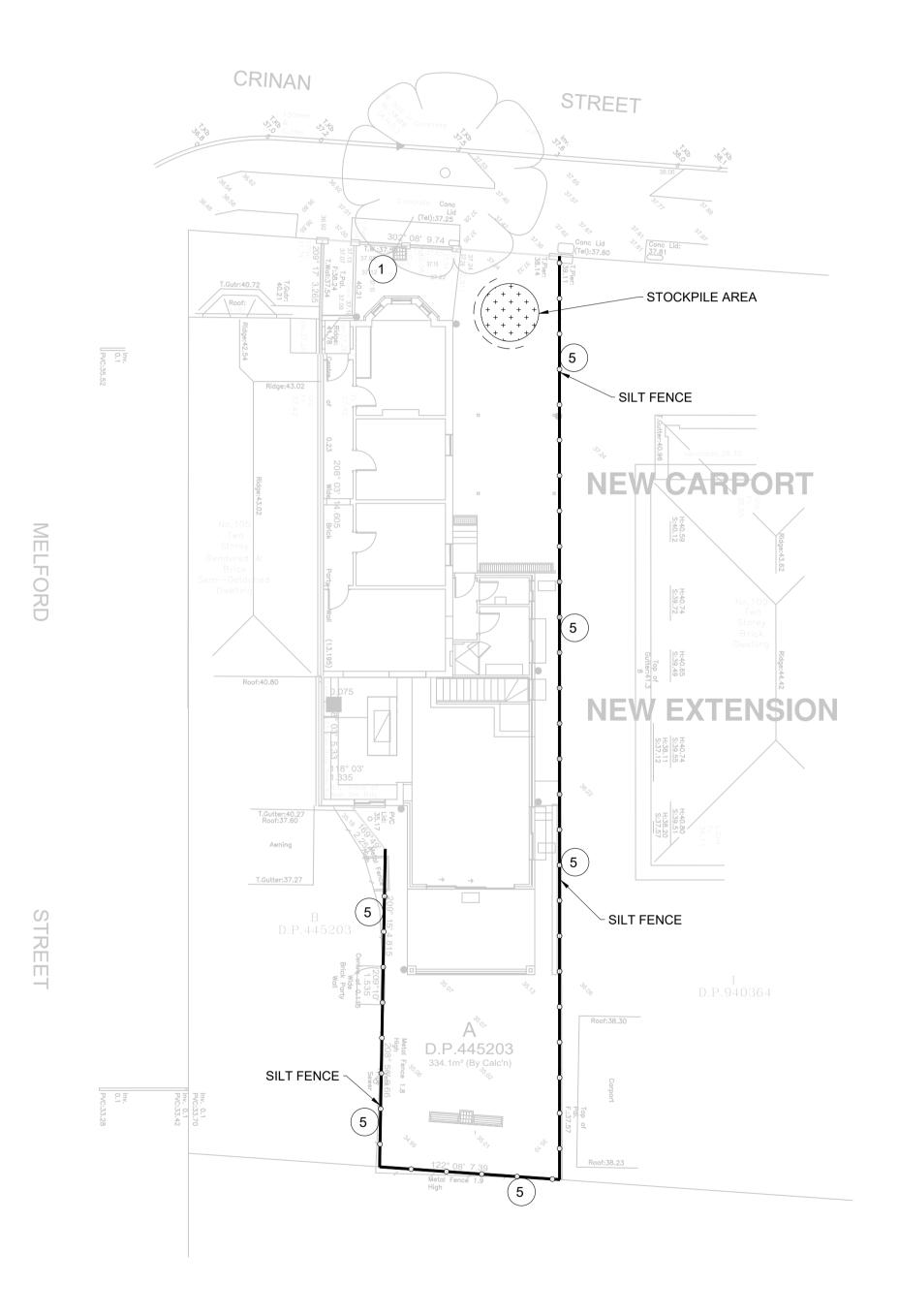
FROM DISTURBED AREAS OR WHERE DIRECTED BY THE ENGINEER.

9. SILT FENCES TO BE CONSTRUCTED WHERE EVER NATURAL SURFACE SLOPES AWAY

ON SHEET 2 AND 3 OF THIS PLAN AND/OR WHERE DIRECTED BY COUNCIL'S ENGINEER.



DETAIL 5



EROSION AND SEDIMENT CONTROL PLAN

FOR DA APPROVAL

| SURVEYOR | 0 DA ISS | UE | 12/02/25 | | | |
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CLIENT: **DRAWING TITLE: EROSION AND SEDIMENT CONTROL PLAN** GEORGE & DONNA GEORGIOU PROJECT: 107 CRINAN STREET, HURLSTONE PARK

BE (Civil), MIEAust, CPEng No. 449924

DRAWN: DESIGNED: C.K. CHECKED: C.K.

JOB & DRAWING No:

DATE: FEBRUARY 2025 SCALE: AS SHOWN DATUM: AHD 242662 6 OF 6