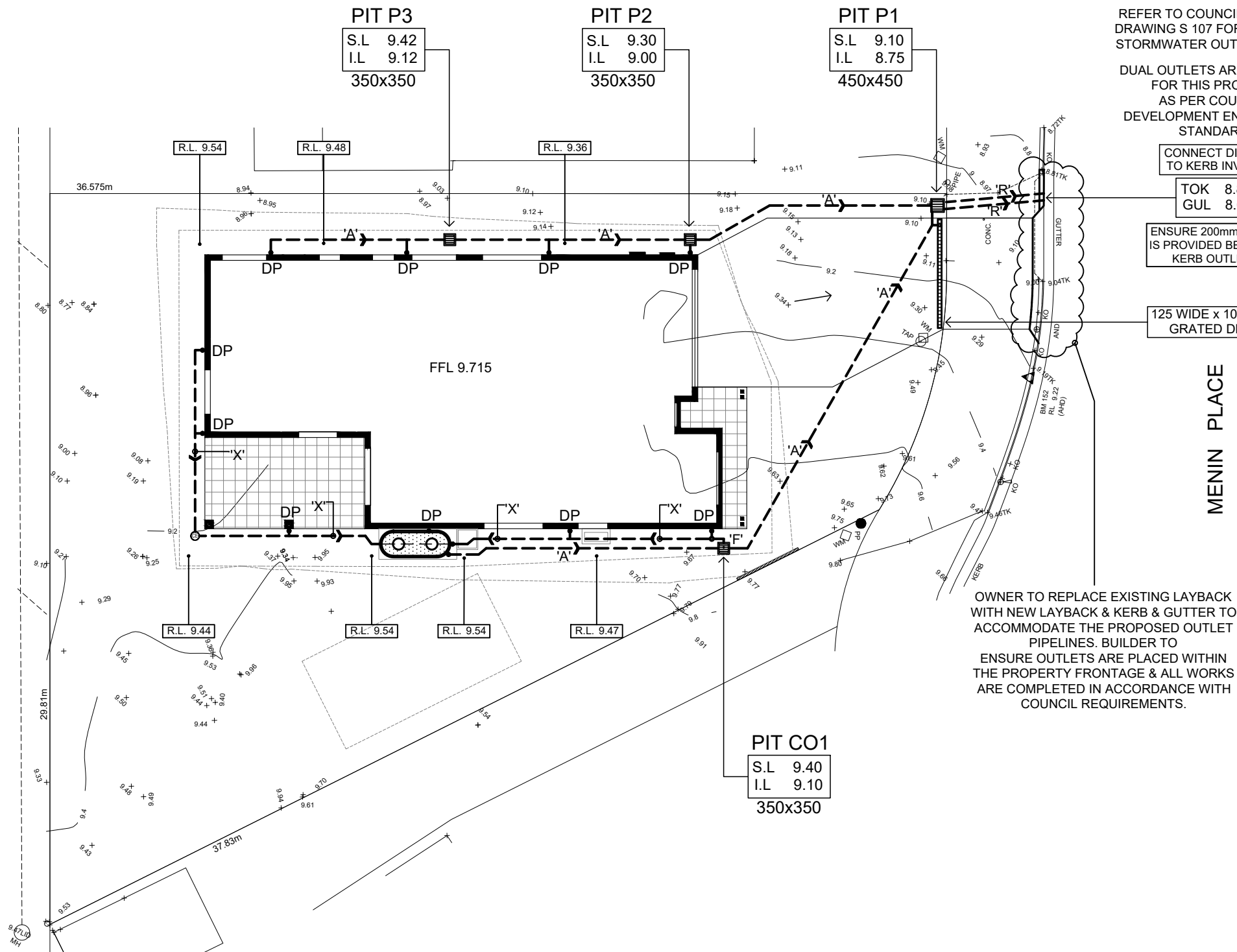
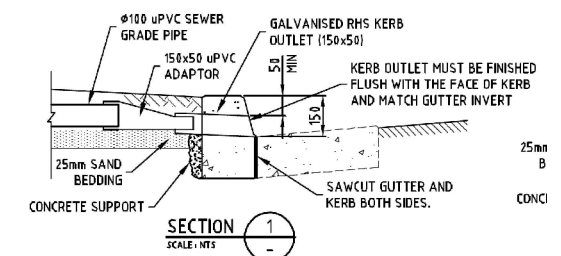


STORMWATER OUTLET CONNECTION TO 150 KERB  
SCALE: NTS



EXCERPTS FROM COUNCIL  
STANDARD DRAWING S 107 FOR  
DETAILS OF STORMWATER  
OUTLET TO KERB

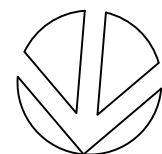
RAINWATER TANK  
AS SHOWN ON PLAN

PROVIDE A RAINWATER TANK  
4990L IN CAPACITY TO SUIT  
ALL BASIX REQUIREMENTS.  
TANK TO BE CONNECTED AS  
SPECIFIED IN BASIX REPORT.

ENSURE ALL CONNECTIONS  
WITHIN CHARGED SYSTEM  
ARE SOLVENT WELDED

ALL DOWNPIPES ARE TO BE  
ENTIRELY PVC. PIPES ARE TO  
BE SEALED UPTO U/S OF  
ROOF GUTTERS

ROOF GUTTERS I.L. 12.12  
TANK INLET I.L. 11.12  
HEAD PRESSURE - 1000mm



## SITE STORMWATER MANAGEMENT LAYOUT

SCALE 1:200/A3

### STORMWATER LAYOUT NOTES

- 1) PITS DEEPER THAN 600mm TO BE 600 X 900 W, ELSE 375 SQ U.N.O.
- 2) ALL PIPES TO HAVE 1% MIN. GRADE U.N.O.
- 3) ALL DOWNPIPES TO BE 100 X 50 BOX or 90 Ø.
- 4) PIPES TO BE U.P.V.C. OR STORMWATER PIPE TO A.S.1254.
- 5) PITS TO BE STANDARD PRECAST CONCRETE PITS OR BRICK RENDERED WITH CONCRETE HEAVY DUTY GRATES SIZED AS PITS PER PLAN.
- 6) NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW THE MAXIMUM WATER SURFACE LEVEL IN DETENTION BASINS.
- 7) PERSONS UTILISING THIS PLAN FOR ANY PURPOSES SHALL VERIFY THE DATUM & RESPECTIVE LEVELS PRIOR TO COMMENCING ANY WORKS & NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- 8) DRIVEWAY LEVELS PROVIDED FOR DRAINAGE DESIGN PURPOSES ONLY. LEVELS MAY BE ADJUSTED TO SUIT FINAL HOUSE CUT/FILL CONDITIONS BUT NEED TO MAINTAIN INTENT OF DRAINAGE SYSTEM. ENGINEER TO BE CONSULTED PRIOR TO CONSTRUCTION TO ENSURE INTENT MAINTAINED.
- 9) END OF EXISTING DRAINAGE LINE TO BE EXPOSED & LEVELS CONFIRMED BY BUILDER PRIOR TO COMMENCEMENT OF WORKS.
- 10) BUILDERS TO ENSURE SERVICES CONNECTIONS TO HOUSE DO NOT CONFLICT WITH DRAINAGE DESIGN REQUIREMENTS.
- 11) ALL WORKS TO BE CONSTRUCTED TO GOOD BUILDING PRACTICE & MATERIALS TO MEET ACCEPTED SPECIFICATIONS.

### LEGEND

|        |                                                |               |                        |
|--------|------------------------------------------------|---------------|------------------------|
| P1     | PIT LABEL                                      | G.F.L.        | GARAGE FLOOR LEVEL     |
|        | SUMP PIT - PIT SIZE REFERS TO GRATE DIMENSIONS | • 0.00        | EXISTING REDUCED LEVEL |
|        | 300x300 FLOOR GULLY                            | • R.L. 157.00 | PROPOSED REDUCED LEVEL |
|        | 100/150 Ø GARDEN GULLY                         | ■ DP          | DOWNPIPE               |
|        | DRAINAGE PIPE                                  | └ SP          | SPITTER/SPREADER       |
|        | AERIAL PIPE                                    | ○             | CLEANING EYE           |
| S.L.   | SURFACE LEVEL                                  | —             | SEDIMENT FENCE         |
| I.L.   | INVERT LEVEL                                   | —             | AG LINE                |
| F.F.L. | FINISHED FLOOR LEVEL                           | →             | OVERLAND FLOW          |

### PIPE SCHEDULE

| TAG | SIZE  | MATERIAL  | GRADE   | DESCRIPTION                |
|-----|-------|-----------|---------|----------------------------|
| 'A' | 100 Ø | P.V.C     | 1% MIN  | REGULAR GRAVITY PIPE       |
| 'B' | 150 Ø | P.V.C     | 1% MIN  | REGULAR GRAVITY PIPE       |
| 'X' | 100 Ø | P.V.C     | CHARGED | TO FEED RAINWATER TANK     |
| 'F' | 100 Ø | P.V.C     | 1% MIN  | FLUSHING LINE - CAPPED END |
| 'R' | 100 Ø | S.G P.V.C | 1% MIN  | SEWER GRADE DISCHARGE PIPE |

NOTE, ALL PIT & PIPELINE LOCATIONS SHOWN ON PLAN ARE INDICATIVE. BUILDER TO DETERMINE BEST POSITION FOR PLACEMENT WITHIN A 1m TOLERANCE OF WHAT IS SHOWN ON PLAN.  
THROUGH PITS CAN ALSO BE ADJUSTED TO BE 'END OF LINE' WITH THE OUTLETS TO JUNCTION INTO THE MAIN GRAVITY LINE IF LEVELS PERMIT. TYPE & POSITION OF PITS TO BE TO THE DISCRETION OF THE BUILDER & PLUMBER DURING CONSTRUCTION. IF IN DOUBT CONTACT DESIGN ENGINEER.

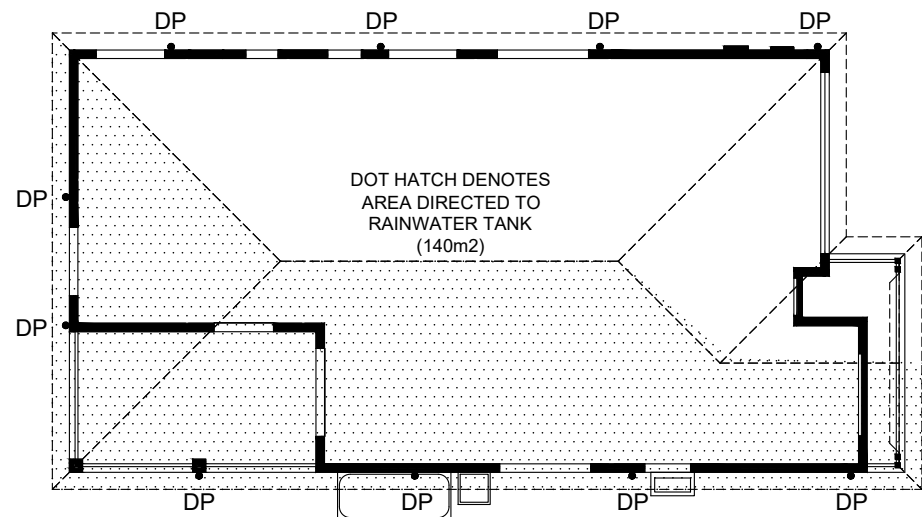
**alwdesign**  
CIVIL ENGINEERING CONSULTANTS

P: 02 9802 5509 E: admin@alwdesign.com.au  
M: 0413 763 432 69 DELANGE ROAD, PUTNEY NSW 2112

JOB NUMBER:  
SW26051  
DRAWING NUMBER:  
SW26051 - S1

PROJECT: PROPOSED RESIDENTIAL DWELLING AT  
LOT 152, # 8 MENIN PLACE, MILPERRA NSW  
DRAWING: SITE STORMWATER MANAGEMENT LAYOUT

|          |                                    |          |                                          |
|----------|------------------------------------|----------|------------------------------------------|
| DESIGNED | DRAWN                              | CHECKED: | ANDREW L WAHBE - BE (CIVIL) MIEAUST PENG |
| A.W      | N.W                                |          |                                          |
| B        | ISSUED FOR DEVELOPMENT APPLICATION |          | 21/07/26                                 |
| ISSUE    | REVISION DESCRIPTION               |          | APPR. DATE                               |



GUTTER SELECTED: STRAMIT INFINITILINE QUAD GUTTER - SLOTTED;  
AREA = 5200 SQ.MM

ALL DOWNPIPES TO BE 90 Ø MIN

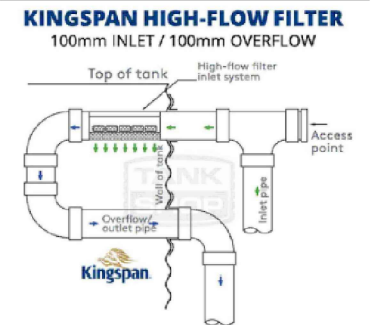
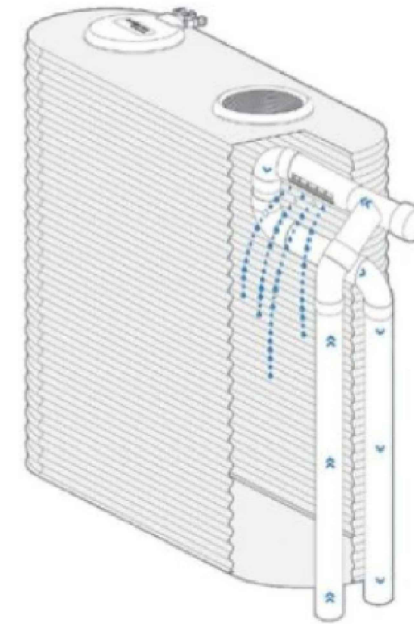
## ROOF & GROUND FLOOR LAYOUT

SCALE 1:200/A3

ENSURE ALL CONNECTIONS WITHIN CHARGED SYSTEM ARE SOLVENT WELDED

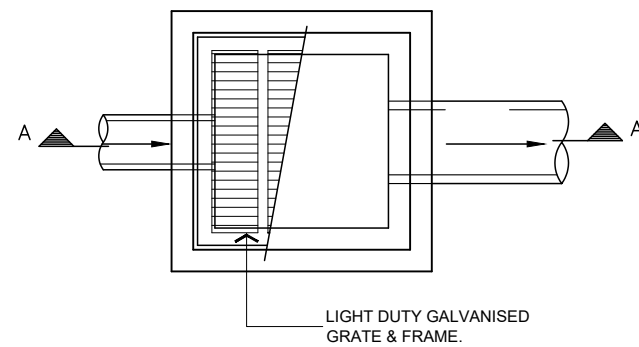
ALL DOWNPIPES ARE TO BE ENTIRELY PVC. PIPES ARE TO BE SEALED UP TO U/S OF ROOF GUTTERS

ROOF GUTTERS I.L. 12.12  
TANK INLET I.L. 11.12  
HEAD PRESSURE - 1000mm



## RAINWATER TANK CONFIGURATION BY KINGSPAN

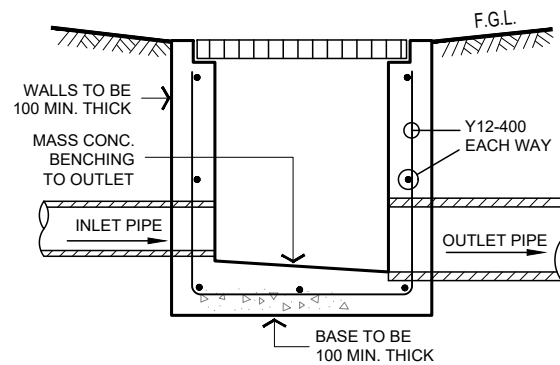
NOTE, ALL PIT SIZES SHOWN ON PLAN REFLECT THE REQUIRED GRATE DIMENSION



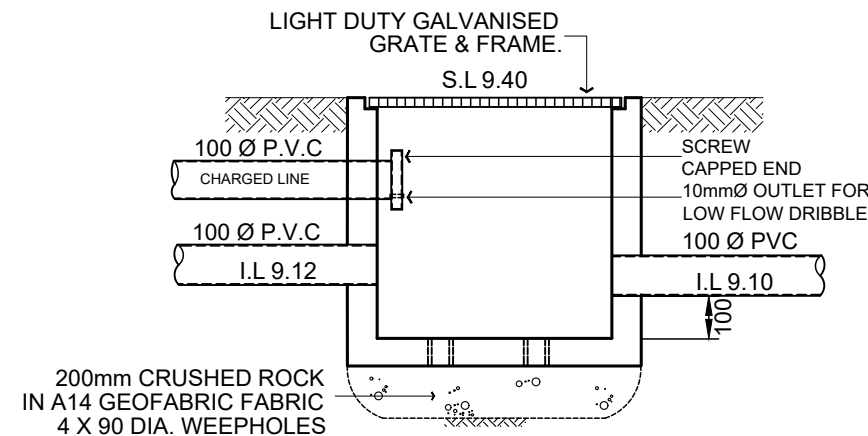
### TYPICAL PIT DETAIL

IN TRAFFICABLE AREAS  
BRICKWORK/BLOCKWORK WALLS OR PRECAST CONCRETE PITS MAY BE USED  
SUBJECT TO APPROVAL

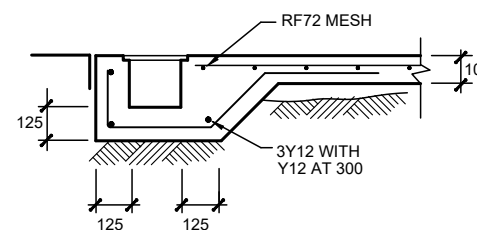
IN NON-TRAFFICABLE AREAS  
FIBRE-GLASS OR HARD-PLASTIC PITS MAY BE USED  
SUBJECT TO APPROVAL



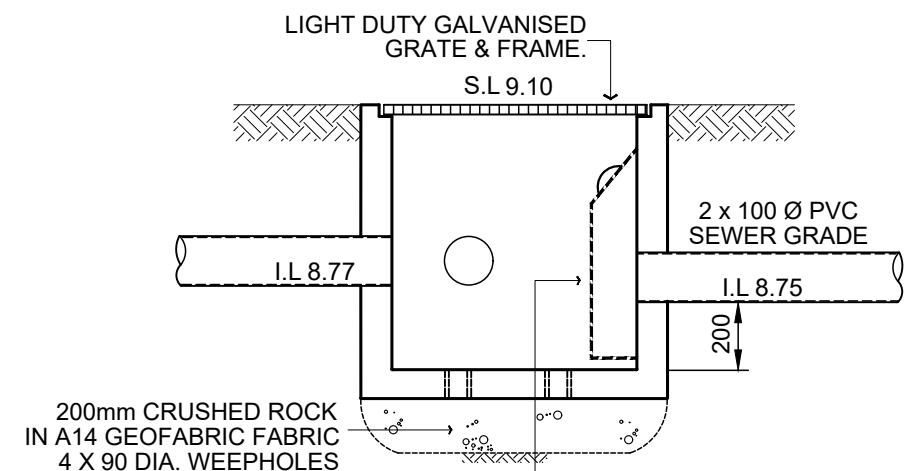
### TYPICAL SECTION A



### PIT CO1 - 350x350 CLEAN-OUT PIT FOR CHARGED LINE SYSTEMS



### GRADED DRAIN



### PIT P1 - 450x450

**alwdesign**

CIVIL ENGINEERING CONSULTANTS

P: 02 9802 5509 E: admin@alwdesign.com.au  
M: 0413 763 432 69 DELANGE ROAD, PUTNEY NSW 2112

JOB NUMBER:  
SW26051  
DRAWING NUMBER:  
SW26051 - S2

PROJECT: PROPOSED RESIDENTIAL DWELLING AT  
LOT 152, # 8 MENIN PLACE, MILPERRA NSW  
DRAWING: ROOF LAYOUT & GENERAL DETAILS

| DESIGNED                                                                     | DRAWN                              | CHECKED | APPROVED                                 |
|------------------------------------------------------------------------------|------------------------------------|---------|------------------------------------------|
| A.W                                                                          | N.W                                |         | ANDREW L WAHBE - BE (CIVIL) MIEAUST PENG |
| DRAWINGS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED BY DESIGNING ENGINEER |                                    |         |                                          |
| B                                                                            | ISSUED FOR DEVELOPMENT APPLICATION |         | 21/07/26                                 |
| ISSUE                                                                        | REVISION DESCRIPTION               |         | APPR. DATE                               |