

| MANHOLE INFORMATION LEGEND |                            |                          |  |
|----------------------------|----------------------------|--------------------------|--|
| M.H. No.                   | LINE No./DOWNSTREAM INVERT | LINE No./UPSTREAM INVERT |  |
| F.S.L.                     | LINE No./UPSTREAM INVERT   | LINE No./UPSTREAM INVERT |  |

|       |         |  |
|-------|---------|--|
| MH 5  | 1/87.71 |  |
| 91.63 | F/87.74 |  |

|       |         |  |
|-------|---------|--|
| MH 4  | 1/86.99 |  |
| 90.57 | 1/87.02 |  |

|       |         |  |
|-------|---------|--|
| MH 3  | 1/86.34 |  |
| 90.08 | 1/86.37 |  |

|       |         |  |
|-------|---------|--|
| MH 2  | 1/85.84 |  |
| 89.49 | 1/85.87 |  |

|       |         |  |
|-------|---------|--|
| MH 1  | 1/85.06 |  |
| 88.97 | 1/85.09 |  |

|         |          |         |
|---------|----------|---------|
| Ex MH A | Ex/84.72 | 1/84.75 |
| 88.55   | Ex/84.75 | -       |

|         |          |  |
|---------|----------|--|
| Ex MH D | Ex/86.49 |  |
| 90.64   | Ex/86.54 |  |

|         |          |  |
|---------|----------|--|
| Ex MH C | Ex/85.84 |  |
| 89.69   | Ex/85.87 |  |

|         |          |          |
|---------|----------|----------|
| Ex MH B | Ex/85.22 | Ex/85.25 |
| 88.97   | Ex/85.25 | -        |

|       |         |  |
|-------|---------|--|
| SMS 1 | 3/89.07 |  |
| 91.22 | -       |  |

|       |         |  |
|-------|---------|--|
| MH 8  | 3/88.41 |  |
| 90.80 | 3/88.44 |  |

|       |         |         |
|-------|---------|---------|
| MH 6  | 2/87.28 | 3/88.13 |
| 90.91 | 2/87.31 | -       |

|         |          |         |
|---------|----------|---------|
| Ex MH E | Ex/86.94 | 2/86.97 |
| 91.03   | Ex/87.00 | -       |

|         |          |  |
|---------|----------|--|
| Ex MH F | Ex/87.18 |  |
| 90.71   | Ex/87.21 |  |

|       |         |  |
|-------|---------|--|
| MH 7  | 2/87.61 |  |
| 91.15 | F/87.64 |  |

SERVICES LOCATION SCHEDULE

| STREET NAME     | TELECOM  | GAS      | WATER    | ELECTRICITY | KERB |
|-----------------|----------|----------|----------|-------------|------|
| GLENMORE STREET | 1.90 N   | 2.10 S   | 2.70 S   | 2.50 N      | 4.25 |
| TOULON COURT    | 1.90 E/S | 2.10 W/N | 2.70 W/N | 2.50 E/S    | 4.25 |
| ROWLEY DRIVE    | 1.90 E   | 2.10 W   | 2.70 W   | 2.50 E      | 4.25 |

| SURVEY MARKS AND LOCATIONS     | LEVELS |
|--------------------------------|--------|
| ▲ Ex PSM 24 MIRNEE - (SMES)    | 92.354 |
| ▲ TBM 'A' RIVET IN KERB        | 90.96  |
| ▲ TBM 'B' STAR PICKET - LOT 23 | 91.64  |
| ▲ TBM 'C' STAR PICKET - LOT 27 | 90.14  |

TOTAL WORKS

| NEW SEWER MAINS |         |         |
|-----------------|---------|---------|
| SIZE            | TYPE    | LENGTH  |
| 150mm           | PVC SN8 | 456.25m |

TOTAL WORKS

| NEW WATER MAINS |              |        |
|-----------------|--------------|--------|
| SIZE            | TYPE         | LENGTH |
| 150mm           | PVC (CL.16)  | 36m    |
| 150mm           | PVC (CL.12)  | 84m    |
| 125mm           | OD PE PN12.5 | 79m    |
| 100mm           | PVC (CL.16)  | 24m    |
| 100mm           | PVC (CL.12)  | 144m   |
| 63mm            | OD PE PN12.5 | 90m    |

WATER MAIN DETAILS

| DESIGN PRESSURE (m head) | SYSTEM TEST PRESSURE (m head) |
|--------------------------|-------------------------------|
| 81                       | 101.3                         |

CONCRETE THRUST RESTRAINT SCHEDULE

| LOCATION OF THRUST BLOCK | NOMINAL PIPE DIAMETER | TYPE OF FITTING | No. OF BLOCKS REQUIRED | AREA(Sm) PER THRUST BLOCK |
|--------------------------|-----------------------|-----------------|------------------------|---------------------------|
| A                        | 150mm                 | TEE/CAP         | 4                      | 0.63                      |

NOTE: FOR ALL OTHER BENDS NOT SHOWN IN THIS TABLE, TIMBER THRUST BLOCKS ARE TO BE USED IN ACCORDANCE WITH WAT-1286

ACCEPTED BY BARWON WATER

WORKS SHALL NOT COMMENCE UNTIL PLANS SIGNED BY BARWON WATER

SIGNED \_\_\_\_\_  
LAND DEVELOPMENT CO-ORDINATOR  
DEVELOPMENT SERVICES

CONSTRUCTION NOTES

- CONSTRUCTION OF SEWER AND WATER MAINS TO BE IN ACCORDANCE WITH BARWON WATER STANDARD SPECIFICATIONS "CONSTRUCTION OF GRAVITY SEWERS AND RISING MAINS" AND "CONSTRUCTION OF WATER MAINS".
- EVERY ENDEAVOUR TO ENSURE THE LOCATION OF ALL EXISTING SERVICES ON THE PLAN ARE CORRECT HOWEVER ACTUAL LOCATIONS ARE TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION.
- NOMINAL SIZE OF WATER MAINS INDICATED IN MILLIMETERS, OFFSETS ARE INDICATED IN METRES.
- ALL SEWER PIPES ARE 150 Ø mm UNLESS OTHERWISE SHOWN.

| PIPE TYPES                  |       | FITTINGS AND SYMBOLS      |                        |
|-----------------------------|-------|---------------------------|------------------------|
| ASBESTOS CEMENT             | AC    | WATER CHANGE OF PIPE SIZE | SEWER TYPE 'A' JUMP UP |
| CAST IRON CEMENT LINED      | CI/CL | MAINS NOT CONNECTED       | TYPE 'B' JUMP UP       |
| DUCTILE CEMENT LINED        | DC/CL | VALVE                     | TYPE 'C' SLIDE LINE    |
| MILD STEEL CEMENT LINED     | MS/CL | NON RETURN VALVE          | OBSLIQUE JUNCTION      |
| POLYVINYL CHLORIDE          | PVC   | FIRE PLUG                 | TYPE 'A' SPECIAL       |
| POLYETHYLENE (AS SPECIFIED) | PE    | DEAD END CAP              | TYPE 'M' SPECIAL       |
| REINFORCED CONCRETE         | RC    |                           | TYPE 'B' SPECIAL       |
| VITREOUS CLAY               | VC    |                           |                        |

| OTHER U/G SERVICES  |       |
|---------------------|-------|
| EXISTING WATER MAIN | ===== |
| STORM WATER         | ===== |
| GAS                 | ===== |
| TELSTRA             | ===== |
| ELECTRICITY (POLE)  | ===== |
| EXISTING SEWER      | ===== |

**PETER BERRY & ASSOCIATES PTY LTD**  
153 YARRA STREET, GEELONG 3220 TEL 5223 2799 FAX 5223 2791

| AMENDMENTS | DESCRIPTION               | DATE    |
|------------|---------------------------|---------|
| C          | AMENDED OFFSET FOR LINE 1 | JAN '17 |
| REV        |                           |         |

| EXTENSION No L012072                  |          |                  |          |
|---------------------------------------|----------|------------------|----------|
| ANDERSON STREET SUBDIVISION - STAGE 2 |          |                  |          |
| WINCHELSEA                            |          |                  |          |
| SHEET 2 OF 4                          |          |                  |          |
| DESIGNED                              | JULY '15 | DRAWN            | JULY '15 |
| D.L. BERRY                            |          | D.L. BERRY       |          |
| CHECKED                               |          | EXECUTIVE MGR.   |          |
| D.L. BERRY                            |          |                  |          |
| SCALES - PLAN                         | 1:500    | SECTIONS - HORIZ |          |
| VERT                                  |          | REVISION         | A        |