



LOCALITY PLAN

SCALE: 1:20,000 @ A3
MELWAYS: 358 K1

Schedule 8: Drawing Schedule

| Drawing No. | Sheet No. | Title |
|-------------|-----------|----------------------------------|
| XXXXXX-01 | 1 | Locality Plan, Schedules & Notes |
| XXXXXX-02 | 2 | Detail Plan |
| XXXXXX-03 | 3 | Detail Plan |
| XXXXXX-04 | 4 | Long Section Sheet 1 |
| XXXXXX-05 | 5 | Long Section Sheet 2 |
| XXXXXX-06 | 6 | Construction Details |



WARNING

BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

NOTES TO THE DESIGNER:

- Magenta text is example text only and should be written over by the Consultant and is not part of the design template.*
- Bold blue italics is instructional text for the Consultant's consideration and should be removed from designs.*
- All design plans shall be at the given scale on A3 sheets.*
- This template describes the minimum requirement. Additional information should be provided as required.*
- With design submissions, the Designer is required to supply the relevant Water Agency with the following:*
 - The current copy of the Plan of Subdivision with Building Envelopes indicated.*
 - All Geo-technical information collected.*
 - Project Specific Backfill Specification(s).*
 - Any structural computations.*
- Use other template sheets as required to provide further notes or schedules.*
- Amended sewerage design drawings shall be submitted to the Water Agency with a new version number and a summary phrase in the revision panel footer. The Design amendment can be presented using one or a combination of the following methods:*
 - Cross out original text or lines that are no longer included and replaced with revised text or lines;*
 - Show text changes in a different colour or font;*
 - Show line and drawing changes with a different coloured or different weight line;*
 - Surround text or drawing changes in a cloud or bubble.*
 - Reference to a Water Agency Audit Report is not acceptable as an amendment description in the revision panel footer.*

General Notes:

- Only contractors accredited by **City West Water (enter the Water Agency) to SC1 and SC7 (enter the categories of work required for this project)** shall be eligible to construct these works.
- Only products approved and catalogued by the Water Agency shall be used.
- Works must be constructed according to the MRWA edition of the WSA Sewerage code of Australia WSA 02-2014-3.1.
- The design consultant is responsible for the design and coordination of the works. Any problem arising during construction shall be directed to the consultant.

Survey, Set Out and Asset Recording

- All contours and levels are in metres to the Australian height datum (A.H.D.)
- All co-ordinates shown are to map grid of Australia (MGA).
- Chainages shown on detail plans are discontinuous at maintenance structures. Chainages shown on long section sheets are continuous.
- Coordinates are to sewer line intersection point unless otherwise shown.
- Before commencement of work, the contractor must complete a level check between all TBM's to verify level values.
- TBM's and control points are to be maintained and protected at all times during construction. Should any marks be disturbed, the contractor will immediately notify the consultant to arrange re-instatement at the contractors expense.

Property Connections

- Number of lots to be sewered: **48 lots (enter number of lots in development design)**
- All property connections to be DN100 unless otherwise indicated.
- Properties requiring boundary traps are indicated in the detailed plans. The remainder do not require boundary traps.
- Branch tie distance shown on detail plan are from approved subdivision survey pegs. Branch ties for future lots are shown as a chainage. (Ch) Distance is from the downstream sewer structure.
- Invert level of the property connection point is shown opposite the branch position.
- Where a Spur Branch connects to a shaft, both property connections are considered to be shaft connections

Earthworks and Retaining Walls:

- In areas subject to earthworks, construction of sewers shall not commence until earthworks has been completed unless written approval has been given by the Water Authority.

Embedment

- Embedment shall be Type A (refer MRWA-S-202) unless otherwise specified on the long section. *(specify non standard embedment on the long sections)*

Backfill

- Selection and compaction of trench backfill material shall be in accordance with the Water Agency adopted version of MRWA specification no 04-03.
- Refer to Long Section drawings for backfill requirements.

Compaction Testing

- Test results shall be provided to the superintendent prior to practical completion / acceptance of works.
- The contractor is required to undertake all testing of fill compaction in accordance with the Water Agency adopted version of the MRWA Backfill Specification 04-03.

Work on Live Sewers:

- All works on live sewers must be carried out by a water company accredited contractor.
- All existing sewers must be plugged to stop gas emissions prior to any connections being made to these sewers.
- To enable connections to live assets or any work on live assets, the contractor shall submit the appropriate forms to the superintendent at least 3 working days prior to any works on live sewers.
- The contractor is not permitted to break into an existing live pipeline, enter a live sewer or remove the cover to a live maintenance structure unless authorised by the Water Agency.

Safety:

- Prior to commencement of works on site, the contractor must ensure that all matters relating to the Occupational Health and Safety Act 2004 and Occupational Health and Safety regulations 2007, have been and will be complied with.

Testing:

- The contractor is to give a minimum of two (2) days notice to the superintendent and Water Agency prior to the testing being undertaken. Testing is to be undertaken in the presence of superintendent.

Cultural Heritage Requirements

- The contractor is to keep a copy of the approved cultural heritage management plan on site at all times during works. *(insert any cultural heritage requirements particular to the project. If non are applicable remove)*

Environmental Management Plan:

- On commencement of construction works the contractor must comply with the recommendations of the EPA publication "construction techniques for sediment pollution control" (publication no 275 1991).
- Prior to the commencement of work, the contractor is to submit a site environmental management plan to Melbourne Water. *(if applicable because Melbourne Water assets or water ways are involved in the project.)*
- All trees and vegetation are to be protected unless otherwise indicated for removal. The extent of any vegetation removal shall be confirmed on site with the superintendent and local council prior to commencement, and in accordance with any planning permits. Any removal shall be documented.
- All areas containing creek vegetation, trees and revegetated areas near the construction zone are to be fenced off during the works with secure and highly visible material such as para-webbing fencing.
- Ensure all machinery, equipment and/or footwear entering the site is weed and pathogen free.

Schedule 5: Maintenance Holes

| Maintenance Hole ID | MH Shaft Type (GRP/PP (Plastic) / Concrete) | MH Top Type (Conical/Flat) | Cover Class | Internal Diameter (mm) | Min. Wall Thickness (mm) | Depth to Invert (mm) | Drops | Ladder (L) Step Irons (S) Landing (Ld) | Corrosion Protection (Coating / PE or PVC Lining) | Shaft Re-inforcement | Comments (Offsets / Details) |
|---------------------|---|----------------------------|-------------|------------------------|--------------------------|----------------------|-----------|--|---|----------------------|------------------------------|
| Ex KCW17 | Concrete | Flat Top | D | 1500 | - | 5660 | - | L | PVC | - | Refer M.H. Base Detail |
| DJB2 | Approved Product | - | B | 1200 | 150 | 2505 | 1 x DN100 | L or S | None | - | Refer M.H. Base Detail |
| DJB3 | Approved Product | - | B | 1200 | 150 | 3512 | 1 x DN150 | L or S | None | - | Refer M.H. Base Detail |
| Ex ROC2-25 | Concrete | - | B | 1050 | - | 3370 | 1 x DN150 | - | - | - | Connect Ex 150 Stub |

Schedule 6: Water Seals, Boundary Traps and Syphons

| Structure Type | Boundary Trap | Water Seals | Syphons |
|----------------|---------------|-------------|---------|
| Quantity | 0 | 1 | 0 |

Schedule 1: New Pipe

| Pipe Size | Pipe Type | Length (m) | Pipe Class | Standard |
|-----------|-----------|------------|------------|------------|
| DN100 | UPVC-DWV | 13.4 | SN10 | WSA PS 230 |
| DN150 | UPVC-DWV | 483.3 | SN8 | WSA PS 230 |
| DN300 | UPVC-DWV | 171.9 | SN8 | WSA PS 230 |

Schedule 2: Property Connections

| Connection Type | Type 1a | Type 1b | Type 2 | Type 4a | Type 4b | Type S | Type 4S | Type B | Type 4B | Jump Up Flexible Couplings, ie: "F" |
|-----------------|---------|---------|--------|---------|---------|--------|---------|--------|---------|-------------------------------------|
| Quantities | 6 | 4 | 24 | 0 | 2 | 5 | 0 | 1 | 0 | 6 |

Schedule 3: Service Offsets (m) and Locations:

| Street | Gas | Water | NDW | Comms | Elec. | Lighting |
|-----------------------------|--------|--------|--------|--------|--------|----------|
| Belvedere Crescent (Part 1) | W 2.25 | W 3.15 | W 2.65 | E 4.00 | E 4.75 | 1.00 BOK |
| Belvedere Crescent (Part 2) | W 2.25 | W 3.15 | W 2.65 | E 1.85 | E 2.60 | 1.00 BOK |
| Belvedere Crescent (E-W) | S 2.25 | S 3.15 | S 2.65 | N 0.50 | N 1.25 | 1.00 BOK |
| Carmine Circuit (N-S) | E 2.25 | E 3.15 | E 2.65 | W 0.50 | W 1.25 | 1.00 BOK |
| Carmine Circuit (E-W) | N 2.25 | N 3.15 | N 2.65 | S 1.85 | S 2.60 | 1.00 BOK |
| Kruse Place | S 2.00 | S 2.90 | S 2.40 | N 0.50 | N 1.25 | 1.00 BOK |

Schedule 4: Maintenance Structures (other than Maintenance Holes)

Inspection Shafts (IS), Maintenance Shafts (MS) and Maintenance Chambers (MC):

| Maintenance Structure ID | Type - (IS/MS/MC) | Cover Class | Depth to Invert (mm) | Shaft Connections | Comments/ References (Offsets/Details) |
|--------------------------|-------------------|-------------|----------------------|-------------------|--|
| DJB1 | MC | D | 1778 | - | - |
| DJB4 | MC | B | 3030 | - | - |
| DJB2-1 | MS | B | 1350 | - | - |
| DJB2-2 | MS | B | 1585 | - | - |
| DJB2-2IS | IS | B | 1444 | - | - |
| DJB3-IS | IS | B | 1080 | - | - |
| ROC2-43-IS | IS | B | 1740 | 1 x DN100 | - |
| ROC2-44ISX | IS | B | 1170 | - | - |
| ROC2-44 | MS | B | 1614 | 1 x DN100 | - |
| ROC2-44ISY | IS | B | 1040 | - | - |
| Ex ROC2-43 | MC | B | 2652 | 1 x DN100 | - |

ISSUED FOR CONSTRUCTION