



# DRAFTING SPECIFICATION FOR DRAWINGS PRODUCED FOR GIPPSLAND WATER

**Commercial in Confidence**

<b>Gippsland Water Business Management System</b>	
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### **Please Note:**

It is the responsibility of all persons involved in the production or modification of drawings for Gippsland Water to ensure they have the latest drafting specifications and standard drawing borders. All are updated periodically.

For the latest information you should either contact Gippsland Water directly or download the latest files from:

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

# 1 SCOPE

The aim of this document is to cover the requirements for drawings produced for Gippsland Water. Drawings are the end product of a work phase which may include engineered design, site inspections and survey.

The importance of the drawing information retained by Gippsland Water cannot be understated, be it either design or as-constructed information. Gippsland Water's document management system (TRIM) and Geographic Information System (GIS) are updated with current information for access by all of Gippsland Water's staff.

Contractors engaged in works for Gippsland Water are to maintain accurate information and uphold the Codes of Conduct for their respective profession.

All work is to comply with the appropriate Australian Standards, Occupational Health & Safety Act, and the Gippsland Water Specific Requirements.

# 2 COMPLIANCE WITH THE AUSTRALIAN STANDARDS

All drawings shall comply where applicable with the latest most recent Australian Standards, including amendments :

- AS 1100 part 101
- AS 1100 part 201
- AS 1100 part 301
- AS 1100 part 401
- AS 1100 part 501

All electrical/telemetry drawings shall also comply with the following Australian Standards:

- AS 1102 parts 101
- AS 1102 parts 102 to 111
- AS 1102 parts 112, 113

and

- AS/NZS 4383.1
- AS/NZS 4383.2
- AS/NZS 4383.3

# 3 GIPPSLAND WATER SPECIFIC REQUIREMENTS

## 3.1 GENERAL

It is the responsibility of the persons involved in the production or modification of drawings for Gippsland Water to ensure they have the latest drafting specification and drawing borders. Documents are available for download on Gippsland Water's website.

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

Gippsland Water maintains a drawings management system through our electronic document management system (TRIM). Within this system is stored the Computer Aided Drafting (referred to as CAD) file and PDF file for all drawings which have not been stored as scanned images. The PDF files are required as the viewing file by this system as they represent the final printed drawing and do not call for special fonts, shape files etc.

Any drawing submitted to Gippsland Water for inclusion into the drawings management system may be audited for compliance with the requirements of this specification. Non-conforming drawings will be returned for rectification of all non-conformances, and will then be re-audited prior to acceptance into the drawings management system. See Section 9.

### **3.2 DISCIPLINE SPECIFIC DRAFTING SPECIFICATIONS**

The following are related discipline specific specifications, which shall be used in conjunction with this document when producing drawings for Gippsland Water. These are available on Gippsland Water website under customer information in Land Development section:

1. Gippsland Water WSAA Code Addendums
2. Gippsland Water Standard Process & Instrumentation key symbols

### **3.3 RELATED DISCIPLINE SPECIFIC SPECIFICATIONS**

#### **3.3.1 Survey**

Works which involve the procurement of survey may include existing site conditions, feature and detail, construction set out and as-constructed surveys.

The survey holds the basis for the pending design or as-constructed drawings and such needs to be undertaken to comply this specification.

The use of one of the Gippsland Water Panel of Providers for Drafting Services (Survey) is strongly encouraged.

#### **3.3.2 Survey Datums**

Survey datums are to be the Map Grid Australia, Zone 55 (MGA 55), and the Australian Height Datum (AHD).

Surveys are to be connected to established survey control marks, registered with Land Victoria. These are available from the land Victoria website, [www.land.vic.gov.au](http://www.land.vic.gov.au)

Or/ Survey control as shown on existing Gippsland water drawings.

Or/ as determined by the Gippsland Water Project Officer.

#### **3.3.3 Survey Accuracy Statement**

##### *Feature Survey*

The accuracy for feature surveys is as defined in the Vicroads

Engineering Survey Specification – Class 2 Feature Survey (ES2).

This is described as follows; Point Accuracy Horizontal +/-0.05m

Vertical +/-0.05m Model Accuracy Horizontal +/-0.30m Vertical +/-

0.15m Minimum contour interval 0.25m

##### *As-constructed Survey*

The accuracy of survey to locate the horizontal and vertical position of points on the asset, as described in Section 4.1.2, shall be to 50mm.

### **3.3.4 Photogrammetry Datums**

Photogrammetry datums are to be the Map Grid Australia, Zone 55 (MGA 55), and the Australian Height Datum (AHD).

### **3.3.5 Accuracy Statement – Photogrammetric Mapping**

The accuracy for photogrammetric mapping is as defined in the Vicroads Engineering Survey Specification – Class 3 & 4 Photogrammetry (PHN3 & PHN4).

#### *Class 3 Photogrammetry (PHN3)*

Point Accuracy Horizontal +/-0.075m

Vertical +/-0.15m Model Accuracy

Horizontal +/-0.15m

Vertical +/-0.25m Min. contour interval 0.50m Photo Scale 1:4000 *Class 4*

*Photogrammetry (PHN4)* Point Accuracy Horizontal +/-0.15m

Vertical +/-0.30m Model Accuracy

Horizontal +/-0.25m

Vertical +/-0.50m Min. contour interval

1.00m Photo Scale 1:8000

### 3.4 ACCEPTED FILE FORMATS

All new drawings prepared shall be produced using a Computer Aided Drafting (CAD) system. The acceptable file format is either Microstation (Version 8+) or AutoCAD (Release 2000+).

For any drawing supplied Gippsland Water requires:

	AutoCAD Format	Microstation	Adobe (PDF)
Minimum Version	Release 2004 +	Version 8 +	Version 7 +
File Type	.dwg	.dgn	.pdf
Colour Table	Default	Custom (GW)	Colour *
Hardcopy(s)			If requested / agreed with Project Officer or by contractual agreement

\* If applicable

*Note: Existing drawings may not meet the standards set in this document. However, all new work or additions to these drawings shall comply with this document.*

### 3.5 SUBMITTING COMPLETED DRAWINGS TO GIPPSLAND WATER

Gippsland Water will accept drawing data files by the following forms of transfer media being;

- Email containing a zipped attachment. (Not greater than 6mb in size)
- Compact Disc (CD) ROM; All transfer media is to be labelled with the following information (if applicable)

applicable)

Contractor's name  
Contractor's reference  
List of files contained  
Date of issue

All drawings are to be submitted with an accompanying Electronic Drawing Transmittal File. This is an Excel format file which is not to be modified and can be downloaded from Gippsland water's website [www.gippswater.com.au](http://www.gippswater.com.au) Refer to Appendix 1.

Drawing data can be issued by email to appropriate Gippsland Water Drawing Administrators and carbon copy (CC) to the relevant Gippsland Water Project Officer.

### **3.6 FONT**

Lettering conforming with ISO 3098/1 Type B Upright only will be accepted.

In Autocad files the font file to be used is “ISOCP.SHX”.

In Microstation files the font number to be used is 128, which shall be a suitably complying font. This could be the Autocad font file “ISOCP.SHX” imported.

Non-conforming fonts will be accepted for drawings which meet the criteria listed in Section 3.8 (Special Purpose Drawings).

### **3.7 STANDARD DRAWING SHEETS**

Sheet sizes shall be A3, A2 or A1 in accordance with AS 1100.

A copy of Gippsland Water’s standard drawing sheets is available for download from the Gippsland Water website [www.gippswater.com.au](http://www.gippswater.com.au) in both AutoCAD and Microstation formats. Refer to Appendix 2.

### **3.8 SPECIAL PURPOSE DRAWINGS**

This section is intended to cover drawings which fit into the following categories:

1. Large scale topographic drawings
2. Large scale thematic mapping drawings.

Gippsland Water will allow the use of fonts not complying with Section 3.5 and the use of restricted use drawing borders for drawings which meet all of the following criteria:

1. Drawing does not fit into the standard drafting disciplines:
  - Civil
  - Structural
  - Electrical
  - Mechanical
  - Architectural
  - Survey
  - Charts or graphics
2. Drawing scale is not less than 1:5000

Drawings that meet the requirements of this Section may have no restriction on font style and are eligible to use Gippsland Water’s restricted use drawing borders. They are available for download from Gippsland Water’s web site (see Section 8).

The restricted use drawing borders available are:

- A1 portrait
- A0 landscape
- A0 portrait

## **3.9 DRAWING LAYOUT REQUIREMENTS**

### **3.9.1 General**

All drawings shall contain standard Gippsland Water drawing borders as shown on Appendix 2. No modifications or deletions are permitted to the standard borders.

The standard detail that drawings shall contain is:

1. Standard Gippsland Water drawing border (See Section 3.9.1)
2. Gippsland Water drawing number (See Section 3.9.2)
3. Suitable descriptive drawing title (See Section 3.9.4)
4. Completed “Certification of Compliance Signature Block”
5. Revision details & Revision number (See Section 3.9.5)
6. References to other related drawings (See Section 3.9.3)
7. North point(s) if required.
8. Scale bar(s) if required (See Section 3.9.6)
9. Legend if required.
10. Datum note to include source of coordinate and level datum
11. Grid ( MGA coordinate datum, spacing at 10% of the drawing scale)
12. Facility Codes (Site Code) (See Appendix 5)
13. Consultant/Contractors details and file names etc. (only in the space provided – see Appendix 2).

### **3.9.2 Drawing Numbers**

Only the Gippsland Water drawing number shall appear in the box provided in the bottom right corner of the drawing as shown on Appendix 2:

The drawing number shall be obtained from Gippsland Water’s Drawing Administrators.

### **3.9.3 Drawing Referencing**

References to other drawings shall be to Gippsland Water drawing numbers only.

All drawings in a set shall be referenced in such a way as to enable location of all drawings. This may require all drawings being referenced to a key sheet or locality plan which provides references to all drawings in the set.

Do not reference to other drawings as “Refer Sheet 2” for example. Be specific by stating the whole drawing number (eg. Refer A1-12345).

You may be required to not only reference to new drawings but also existing drawings. Check this with the relevant Gippsland Water Project Officer or Drawing’s Administrator.

### 3.9.4 Drawing Titles

Drawing titles should be verified by Gippsland Water.

The title shall be centre justified and placed centrally within the drawing title area.

The drawing title is to be structured in such a way that retrieval from a database is possible.

First line of title should refer to a particular system or site (see examples).

Second line of title should be more specific referring to the plant or project in general terms (see examples).

The third line of title should be more specific with respect to plant or components (see examples).

The fourth line of title should specify the drawing contents (see examples).

No two drawings should have the same title.

The following examples of drawing title conventions used by Gippsland Water shall be adopted by when preparing a title for the drawings:

TRARALGON SEWERAGE RETICULATION  
SEWERAGE PUMPING STATION  
GWINEAR COURT  
GENERAL ARRANGEMENT AND DETAILS

TRARALGON WATER RETICULATION  
WATERMAIN EXTENSION  
GWINEAR COURT  
LAYOUT PLAN AND DETAILS

MOE WATER TREATMENT PLANT  
CLEAR WATER BASIN  
FLOATING COVER  
LAYOUT PLAN AND TYPICAL SECTIONS

MORWELL WATER TREATMENT PLANT  
AUTOMATION UPGRADE - 1999  
PLANT No.2 - JUNCTION BOX TURBIDITY METERS  
ELECTRICAL SCHEMATIC DIAGRAM

NOOJEE WATER RETICULATION  
NEERIM SOUTH TO NOOJEE WATER SUPPLY PIPELINE  
LAYOUT PLAN – SHEET 1 OF 9  
Ch.0.00 TO Ch.980.00

### 3.9.5 Drawing Revisions

Drawings can be requested for revision by emailing the Drawings Administrator. The Drawings Administrator will check drawings out from TRIM.

The revised drawing is to have the revision columns in the title block completed, being the revision number, date, and description of the revision. The revision number is to be placed in the revision box next to the drawing number.

A revision of a drawing shall be entered for each of the following work phases, being;

Preliminary Design  
Tender Issue  
Construction Issue

**Below is a table of a Design drawing from concept to As Constructed:**

<b>Drawing Work Phase:</b>	<b>Drawing Reference:</b>
Preliminary Design Issue	A
Amendments to Preliminary Design Issue	B
Tender Issue	C
Construction Issue	D
As- Constructed Issue	1

Only as-constructed drawings are entered into Gippsland Water's document management system. Through the design and construction process, drawings need to be identified by their revision status, as described above. Drawings can be requested for issue at any stage of the design and construction process by Gippsland Water.

For all design drawings only the revision number shall be alphabetic with the first issue of the drawing being Revision A.

For all As - Constructed drawings the revision number shall be numeric with the first issue of the drawing being Revision 1.

### **3.9.6 Drawing Scales**

All drawing scales are to conform to the relevant Australian Standards. All scales stated on a drawing shall be accompanied by a scale bar conforming to AS 1100 Part 101 –1992. Drawings shall be produced in the following scales, unless otherwise instructed by the Project Manager.

Plan 1:250 or 1:500 – Urban Areas

1:500, 1:1000 or 1:2000 – Rural Areas Longitudinal Section 1:250, 1:500, 1:1000 or 1:2000 - Horizontal Scale.

The vertical exaggeration is to be either 5:1 or 10:1 of the horizontal scale. Cross Sections 1:100 – Horizontal Scale The vertical exaggeration is to be either 1:1 or 2:1 of the horizontal scale.

### 3.9.7 Line Styles, Colour & Pen Table

Custom linestyles are permitted for use in drawing produced for Gippsland Water and are only the styles as described below.

General drafting practice is for existing or underground features to be shown dashed and new works or aboveground features to be shown solid.

For Microstation users, a standard resource file is available for download for Gippsland Water's website, containing the accepted linestyles. AutoCAD standard linestyles can be used.

Line styles of existing services to be as follows:

Utilities	Symbol
Electricity (underground)	--E --
Electricity (overhead)	--O/H E --
Telecommunications	--T --
Gas	--G--
Water	--W--
Drain	--D--
Sewer	--S--

The following table shows the relationship between CAD line colour and plotted line thickness that Gippsland Water shall receive in all CAD files.

Colour Number (Autocad)	Colour	Full Size Plotted Line Thickness (mm)
8	Grey	0.18
7	Black/White	0.25
1	Red	0.35
3	Green	0.5
5	Blue	0.7
2	Yellow	As required*
4	Cyan	As required*
6	Magenta	As required*

*\* Consultants/Contractors are free to assign these colours if required.*

### 3.10 FILE LAYER/LEVEL STRUCTURE

The objective of our layer/level structure is simplicity and ease of future manipulation. While we do not recommend a set of layers/levels for any or all projects, we do require that the file be broken across several layers/levels for ease of manipulation by others, and it be kept simple.

An example of the Autocad Layer structure used by Gippsland Water for water main replacements is as follows:

<u>LAYER/LEVEL NAME</u>	<u>DESCRIPTION</u>
A1 BORDER	A1 drawing border & details
TITLE	Cadastral information (ie. road & property boundaries)
FEATURES	Any surface features obstructions (ie. tree, kerb, pole....)
SERVICES	Any existing services (ie. power, gas, telephone.....)
WATER EXISTING	Existing water main location
WATER PROPOSED	Proposed water main location
DETAILS	Any special detailing (ie. notes, details, tables....)

Survey drawings, including drawings containing survey data, should be layered in accordance with the Vicroads standard field coding structure. Refer to Appendix 4.

### **3.11 USE OF CROSS REFERENCING OR REFERENCE FILES**

The use of reference files is an accepted part of creating drawings and especially maps in CAD format. This enables other drawing files to be used as overlays in the production of drawings. However the final CAD file being handed over to Gippsland Water shall not use cross referencing or reference files. The final CAD file shall contain all of, and only, the information shown on the final plot supplied to Gippsland Water and be as shown in the supplied PDF file.

## **4 AS CONSTRUCTED DRAWINGS INFORMATION**

As-constructed drawings shall be prepared in accordance with this drawing specification. Field notes shall be prepared in parallel to the drawings and in addition to field survey; standard blank sheets are available on request from Gippsland Water.

All drawings submitted to Gippsland Water for inclusion into their drawings management system shall be as constructed drawings only. All other drawings submitted shall be clearly marked "PRELIMINARY" or "DESIGN DRAWING ONLY".

As constructed drawings are to be marked with a suitable revision note stating this.

### **4.1.1 Survey**

A reputable survey firm is to be engaged to measure the asset be constructed. Gippsland Water Panel of Providers for Drafting Services (Survey) is strongly encouraged.

Refer to Section 3.3.2 for details regarding the required accuracy of as-constructed assets and survey datums.

### **4.1.2 As – Constructed Details to be Included**

As-constructed drawings are to be provided for all assets installed for Gippsland Water including details of pits, pipework, bridge / river crossings, services (new and existing), tanks compounds/enclosures, equipment or any other specific works undertaken.

General details to be included is as follows, but not limited to;

Offsets to the pegged (or re-established) title boundaries or offset from the building line / fence line are to be annotated at intervals not exceeding 200m in chainage.

The radii of curves are to be detailed including the tangent, arc, and radius lengths and co-ordinates of the intersection point of the curve (IP).

Abandoned mains, if left in place, are to be shown and appropriately annotated on the drawings.

• Gippsland Water asset numbers are to be annotated to their respective feature. Co-ordinates of the asset are to be annotated at the following points;

Intervals not exceeding 200m in chainage

Start point node(s)

End point node(s)

Changes in horizontal direction

• Intersection point of the curve (IP) Pipe Details are to be shown, including;

Size

Material

Class

Type of joints

• Running chainage at the location of changes between the above Running chainage are to be

shown at;

Along pipeline at maximum 100m intervals

Bends (vertical and horizontal)

All valves

Tees & branches

Blank ends

• Other major components or fittings Installation details are to be shown, including;

NSL

Depth of cover to top of pipe

• Location of bored installations (sections or casing) Cadastral information is to be shown,

including;

Property lots

Road and names

• Easements and Reserves Where a pipeline is designed and laid to grade, the longitudinal details

are to include;

Chainages

Grades

Invert levels

Depth to invert

Finished surface levels

Pipeline details (diameter, material & class)

## **5 RESPONSIBILITY FOR UPDATING EXISTING DRAWINGS**

It is the responsibility of the person/organisation creating or modifying drawings for Gippsland Water to research Gippsland Water's drawings management system to identify all drawings requiring updating or superseding. Those existing drawings identified shall be updated as required and submitted back to Gippsland Water.

Drawings to be superseded are to have clearly marked (generally as a bold diagonal note) that the drawing is superseded, on which date, what Gippsland Water contract number, and the new drawing number that supersedes it.

Example:

**SUPERSEDED BY A1-12345**  
**CONTRACT GWS204 on 7/8/06**

## **6 ASSISTANCE TO DRAWING SUPPLIERS**

Gippsland Water will assist with the following items;

1. The Gippsland Water Authorities title block and drawing frame in either Autocad .DWG or Microstation .DGN are available for download from Gippsland Water's web site. See Section 8.
2. Drawing numbers
3. Verification of Drawing Titles
4. Assistance in locating existing drawings
5. Specific drafting specifications (see Section 3.2).
6. Facility Code (Site Code)

## **7 DRAWING OWNERSHIP**

The following is an extract from AS4300 – 1995, Clause 13.2 (Alternative 1) which Gippsland Water has adopted with respect to drawing ownership and copyright.

“The Contractor grants to Gippsland Water an irrevocable license to use the Drawings for the work under the Contract. Such license shall also include any subsequent repairs to, maintenance or servicing of (including the supply of subsequent parts), or additions or alterations to, the Works.”

Any drawing produced for Gippsland Water containing a copyright notice shall include the above clause.

## **8 FURTHER INFORMATION**

For the latest copy of this document and other related drafting specifications and standard drawing borders you should either contact Gippsland Water directly or download the latest files from:

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

## **9 DRAWING COMPLIANCE CHECKING BY GIPPSLAND WATER**

Gippsland Water may conduct compliance auditing with these standards on drawings submitted. Non-conformances will be required to be rectified before the drawings will be accepted.

Often the non-conformances appear to be the result of poor drafting practice or presentation which does not meet expected industry standards (eg. National Codes or Water Industry Technical Standards drafting guidelines). We encourage all drafting suppliers to use competent drafting personnel with a sound knowledge of drafting standards and practices and good presentation skills.

## APPENDIX 1 – ELECTRONIC DRAWINGS TRANSMITTAL FILE TO GIPPSLAND WATER (IN MS EXCEL)

DIRECTORY PATH	DRAWING NUMBER	FILE TYPES	REVISION NUMBER	SITE CODE	DRAWING TYPE	DESCRIPTION	LOCATION	SOURCE	SOURCE DRAWING No.	ACTION CODE
\\DRAWINGS\NEERIM SOUTH\42ST01\	A1-16873	DWG	1	42ST01	CIVIL	NEERIM SOUTH WASTE WATER TREATMENT PLANT BIO-REACTOR CHAMBERS DOUBLE DITCH (SLOPING WALL) PLANS AND SECTIONS	NEERIM SOUTH	OTV-KRUGER	XYZ123	N
\\DRAWINGS\NEERIM SOUTH\42ST01\	A1-16873	PLT	1	42ST01	CIVIL	NEERIM SOUTH WASTE WATER TREATMENT PLANT BIO-REACTOR CHAMBERS DOUBLE DITCH (SLOPING WALL) PLANS AND SECTIONS	NEERIM SOUTH	OTV-KRUGER	XYZ123	N

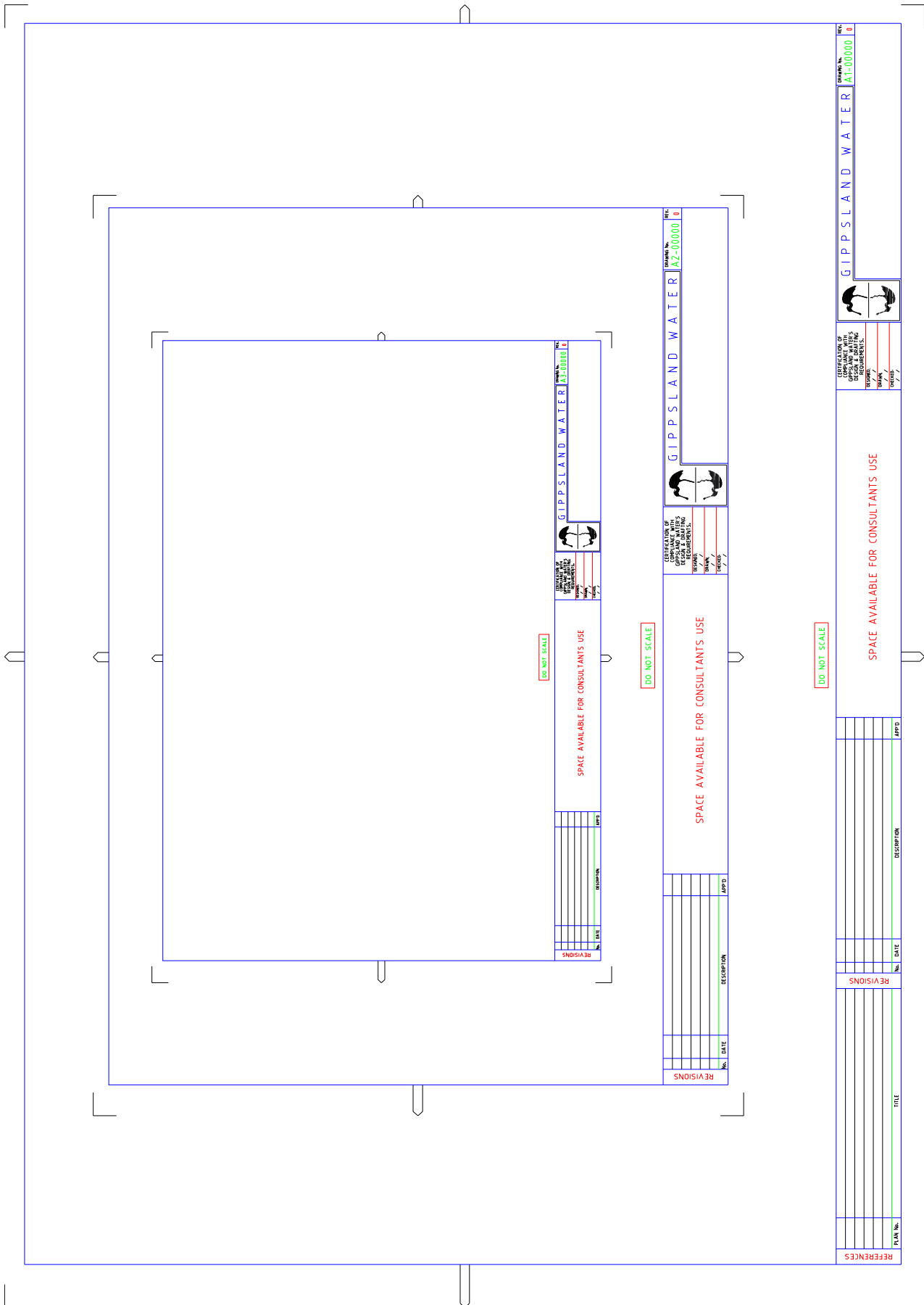
NOTE: A copy of Gippsland Water's ELECTRONIC DRAWINGS TRANSMITTAL FILE TO GIPPSLAND WATER (IN MS EXCEL) may be downloaded from [www.gippswater.com.au](http://www.gippswater.com.au)

**Notes:**

Directory Path: File path of drawings on CD or Disk given to Gippsland Water  
 Drawing number: File name of drawings  
 File Types: DWG = AutoCad; DGN = Microstation; PDF file  
 Revision Number: Gippsland Water's revision number  
 Site Code: Gippsland Water's Mainpac (CMMS Location) Site Codes (if known)  
 Drawing Type: Civil, Structural, Electrical, Mechanical, Survey, Diagram & Charts.

Description: Drawing titles (as outlined in 3.8.4 of this specification)  
 Location: Town or Gippsland Water system  
 Source: Name of Drafting Company/Consultant  
 Source Number: Drafting Company/Consultant drawing number  
 Action Codes: N = New Drawing; R = Revised Drawing; SD = Superseded Drawing

# APPENDIX 2 – STANDARD DRAWING BORDERS



## APPENDIX 3 – CHECK LIST

### CHECK LIST

The following checklist is for contactors/consultants to complete for their own records.

It is intended as an aid to ensure that information supplied to Gippsland Water under this specification will be of an acceptable standard.

### DRAWINGS PRODUCED FOR GIPPSLAND WATER COMPLIANCE CHECK LIST

FOR CONSULTANTS AND CONTRACTORS USE ONLY

<b>PROJECT:</b>	
FILE NAME(s):	
CAD file format is Autocad DWG or Microstation DGN	
Compressed PDF file.	
Gippsland Water standard drawing borders has been used and not modified	
Drawing numbers have been obtained from Gippsland Water	
Drawing title has been confirmed with Gippsland Water	
All information shown in the final CAD file supplied to Gippsland Water is as constructed	
References to other Gippsland Water drawings have been noted	
Revisions box filled out if necessary and revision number added next to drawing number	
CAD file has been structured into layers or levels	
Gippsland Water line colour table has been used	
Asset Code (Site Code)	
Drawing text conforms to specification	
Scale bar/s shown as required	
North point shown if necessary and in correct orientation	
Legend provided if required	
No information is shown outside of the drawing border in the CAD and PDF files	
Only Gippsland Water's drawing numbers appear on the drawings (except in consultants area)	
Signature block completed on CAD file	
Cross referencing or reference files not used in final CAD file supplied	
Plot files for all CAD files supplied and in correct format and contain all of the information shown in the CAD files	
CAD files, plot files are named correctly. eg. Drawing No. A1-12175 should have CAD file named A1-12175.DWG, if in Autocad DWG format, and a PDF file called A1-12175.PDF, revision number does not matter.	
CAD and PDF files supplied on correct media and clearly labelled with files included, date and company or contact name	
Electronic drawings transmittal file to Gippsland Water (in MS excel) enclosed on disk/e-mail/CD and matches contents of disk/e-mail/disk.	
Disk or transfer media to be supplied to Gippsland Water contains <b>only</b> relevant files and is fully labelled.	

#### NOTE:

Your files may be checked for compliance. Drawing compliance checking/auditing may be conducted using the above checklist and some additional check points.

Completed By:

Date:

## APPENDIX 4 – VIC ROADS FIELD CODING

Layer Description	Layer Description
001 Permanent Survey Mark	401 Centre-line of bitumen
002 Bench Mark	402 Spot on bitumen
003 Title peg	403 Edge of bitumen
004 Instrument Station	404 Centre/spot formation
005 Survey mark (general)	405 Edge formation/shoulder
006 Photo control point	406 Lip kerb/channel
007 Check profile/point	407 Invert kerb/channel
008 Trigonometric Station	408 Back kerb/channel
009 Bench Mark QS-1	409 Top kerb/channel
010 Bench Mark S-2	410 Pedestrian path
011 Bench Mark SH-1	411 Driveway
012 Reference Mark -Rod	412 Track (vehicular)
013 Reference Mark -Rod	413 Road Loc. -unclassified
014 Reference Mark -Pipe	414 Detector pad/loop
015 Reference Mark -RM-2	415 Lane lines/markers(dashed)
016 Dumpy Peg	416 Ceramic Delineators/marks
017 Nail	417 Linemarking (non-contour)
018 Spike	418 Lane lines/markings (solid)
101 Contour -Standard	419 Edge of Concrete
102 Top -Cut/fill/bank etc	420 Traffic Direction Arrow
103 Toe -Cut/fill/bank etc	501 Guard rail/barrier
104 Existing surface -Spot	502 Kilometre post
105 Contour -Index	503 Signs
106 Contour -Approximate	504 Letterbox (Aust Post)
109 Ground String -Profile	505 Traffic signal pole
110 Ground String -Breakline	506 Traffic signal box
201 Single tree > 2m	507 Traffic signal pit
202 Plantation -Orchard etc	508 Emergency telephone
203 Group trees/shrubs	509 Road furn. (unclassified)
204 Single shrub < 5m	510 Monument/Historic Mark
205	511 Joint use pole
301 Drain-Drain conc/earth	512 Cable Pit
302 Watercourse -bed river	513 Detector Pit
303 Pondage -edge dam, lake	514 Red Light Flash Camera
304 Reinforced concrete pipe	515 Red Light Camera
305 Box culvert	516 Side Mounted Sign
306 Underground drainage	517 Centre Mounted sign
307 Wing wall -left	518 Multiple Mounted Sign
308 Side entry pit	519 Curved Sign
309 Grate pit	520 Traffic Signal Wiring
310 Junction pit	521 Bollard
311 Other drainage pit	601 House
312 Unclassified drainage etc	602 Minor Building
313 Mainly dry watercourse	603 Major Building
314 Perennial watercourse	604 Verandah
315 Swamp -unclassified	609 Retaining wall-General
316 Wing wall -right	610 Structure -Unclassified
317 Obvert -culvert/pipe	611 Swimming Pool
318 Endwall	612 Stockpile
319 Flusher Pit	613 Bore/Well
320 Rock Beaching	614 Windmill, windpump
321 Invert Pipe or Pit	615 Quarry,pit

616 Sports arena, field	741 Sewerage pit
617 Wall	742 Sewerage (Unclassified)
618 Tower/Chimney	743 Sewerage -underground
619 Retaining wall -Crib	744 Sewerage -Inspection Outlet
620 Retainig wall -Rock	751 Stop valve
621 Retainig wall -Conc	752 Fire plug
622 Retaining Wall -Wood	753 Fire hydrant
623 Garage/Service Station	754 Water meter
624 Petrol Bowser	755 Water (unclassified)
625 Aboveground Fuel tank	756 Water -underground
626 Underground Fuel tank	757 Water Market Post
627 Petrol valve S/Station	758 Water Tap
628 Tank/Trough	759 Air Valve
638 Centreline of Conveyor	761 Stay for pole
651 Bridge Deck/Slab/Kerbs	762 Unclassified pit
652 CL Bridge/Culvert	763 Unclassified pole
653 CL Piles/Foundations	764 Unclassified utility
654 CL Abutments/Piers	801 Railway Line
655 CL Slab/Beams/Box Girder	802 Railway boom gate
656 CL of Diaphragm	803 Railway signal pole
657 Edge Culvert base slab	804 Railway signal box
658 Edge of Pile/Foundation	805 Railway Stanchion (Right)
659 Edge Abut/Piers	806 Railway (unclassified)
660 Edge Slabs/Beams	807 Tramways pole
661 Edge Rail/P'pets/Endpost	808 Tramways (unclassified)
662 Edge Retain-Wall/W-Wall	809 Tram Line
663 Edge Expansion Joint	810 Bus/Tram shelter
664 Edge of Pedestal	811 Railway Stanchion (Left)
665 Edge of Culvert Unit	901 Boundary line
666 Bridge -Unclassified	902 Boundary intersection
711 Light Pole	903 Fence
712 Electricity pole only	904 Gate
713 Electric pole & light	905 Left boundary
714 Transmission tower/pylon	906 Right boundary
715 Electricity-unclassified	907 Title boundary -Road
716 Electricity pit	908 Title boundary -Allot
717 Electricity lines O'head	909 Title boundary -Reserve
718 Electricity lines Ugrnd	
719 Electricity Marker Post	
721 Telecom pit 300*600	
722 Telecom pillar	
723 Telecom marker post	
724 Telecom pole	
725 Telecom phone box	
726 Telecom (unclassified)	
727 Telecom lines -Overhead	
728 Telecom lines -Undergrnd	
729 Telecom Pit 1200(900	
731 Gas & Fuel valve	
732 Gas & Fuel marker post	
733 Gas & Fuel (unclassified)	
734 Gas & Fuel -underground	

## APPENDIX 5 – FACILITY CODES (Site Codes)

Facility Code	Description
10HM01	Pederson Weir (Tarago River)
10HM02	450mm Warragul Intake Main
10HP01	Drouin West Pump Station
10HP02	Rokeby Raw Water Pump Station
10RC41	Warragul Water Property Connection
10RC42	Drouin Water Property Connection
10RC43	Nilma Water Property Connection
10RC44	Darnum Water Property Connection
10RC45	Buln Buln Water Property Connection
10RC46	Rokeby Water Property Connection
10RM01	375mm Warragul - Drouin Transfer Main
10RM02	450mm Warragul WTP - South Basin Main
10RP01	Wills Street Booster Pump Station
10RP02	Lardners Track Pump Station
10RP03	Buln Buln High Level Pump Station
10RP04	Darnum Halletts Road Pump Station
10RR41	Warragul Water Reticulation
10RR42	Drouin Water Reticulation
10RR43	Nilma Water Reticulation
10RR44	Darnum Water Reticulation
10RR45	Buln Buln Water Reticulation
10RR46	Rokeby Water Reticulation
10RS01	Warragul South Basin
10RS02	Drouin Service Basin
10RS03	Buln Buln High Level Tank
10RS04	Rokeby Tank
10WT01	Warragul Water Treatment Plant
11HP01	Tarago Dam Pump Station
11HP02	Neerim South Le Pages Rd Pump Station
11RC47	Neerim South Water Property Connections
11RC48	Noojee Water Property Connections
11RM01	Neerim South - Noojee Supply Main
11RP01	Neerim Pump Station
11RP02	Neerim East Mid Level Pump Station
11RR47	Neerim South Water Reticulation
11RR48	Noojee Water Reticulation
11RS01	Neerim Junction - Red Hill Tank
11RS02	Neerim North Tank
11RS03	Noojee Tank
11WT01	Neerim South Water Treatment Plant
12HM01	Narracan Creek Diversion Weir (Whites Weir)
12HM02	Narracan-Moe Main
12HM03	Tanjil River Pump Station Rising Main
12HP01	Tanjil River Pump Station
12RC10	Newborough Water Property Connection
12RC11	Trafalgar Water Property Connection
12RC12	Yarragon Water Property Connection
12RC13	Yallourn North Water Property Connection
12RC49	Moe Water Property Connection
12RM01	Moe-Newborough Supply Mains
12RM02	Yallourn North Supply Main
12RM03	Trafalgar-Yarragon Supply Main
12RP01	Coach Road Pump Station
12RP02	Yallourn North Howletts Track Pump Station

12RP03	Trafalgar East Pump Station (Melaleuca Dr)
12RR10	Newborough Water Reticulation
12RR11	Trafalgar Water Reticulation
12RR12	Yarragon Water Reticulation
12RR13	Yallourn North Water Reticulation
12RR49	Moe Water Reticulation
12RS01	Newborough Basin
12RS02	Coach Road Tanks
12RS03	Yallourn W Service Basins
12RS04	Yallourn North Storage
12RS05	Moe South Tanks
12RS06	Trafalgar East Tank (Melaleuca Drive)
12RS07	Yarragon South Tanks
12RS08	Dillons High Level Tank
12WT01	Moe Water Treatment Plant
13HP01	Willow Grove Pump Station
13RC15	Willow Grove Water Property Connections
13RR15	Willow Grove Water Reticulation
13RS01	Willow Grove Tanks
13WT01	Willow Grove Water Treatment Plant
14RC14	Thorpdale Water Property Connections
14RR14	Thorpdale Water Reticulation
14RS01	Hamilton Street Tank (Thorpdale)
14RS02	George Street Tank (Thorpdale)
14WT01	Thorpdale Water Treatment Plant
15RC23	Mirboo North Water Property Connections
15RR23	Mirboo North Water Reticulation
15RS01	Mirboo North Basin
15WT01	Mirboo North Water Treatment Plant
16HM01	Trigger Creek Weir
16HM02	Trigger Creek Weir to Basin 1 Main
16HM03	Rawson Basin 1 to Basin 2 Main
16HS01	Rawson Storage Basin 1 (6 ML)
16HS02	Rawson Storage Basin 2 (60 ML)
16RC16	Erica Water Property Connections
16RC17	Rawson Water Property Connections
16RD01	Erica-Rawson Water Disinfection
16RD02	Erica-Rawson Disinfection Parkers Corner Chlorinator
16RM01	225mm Eric-Rawson Supply Main
16RR16	Erica Water Reticulation
16RR17	Rawson Water Reticulation
18HP01	Tolmie Street Pump Station
18RC18	Morwell Water Property Connections
18RC19	Churchill Water Property Connections
18RC20	Traralgon South Water Property Connections
18RC21	Yinnar Water Property Connections
18RC22	Hazelwood North Water Property Connections
18RC52	Jerralang/Jumbuk Water Property Connections
18RM01	375mm Ridge Reservoir Supply Main
18RM02	375mm Sanders Reservoir Supply Main
18RM03	Northways Reservoir Supply Main
18RM11	Australian Char Water Supply
18RP01	Tramway Road Pump Station
18RP02	Brodribb Road Pump Station
18RP03	Billys Creek Pump Station
18RP04	Tebb Terrace Pressure Pump Station
18RR18	Morwell Water Reticulation
18RR19	Churchill Water Reticulation

18RR20	Traralgon South Water Reticulation
18RR21	Yinnar Water Reticulation
18RR22	Hazelwood North Water Reticulation
18RR52	Jerralang/Jumbuk Water Reticulation
18RS01	Buckleys Hill Reservoir (Clear Water Storage)
18RS02	Morwell High Level Tower
18RS03	Ridge Reservoir
18RS04	Jerralang North Road Tanks
18RS05	Sagars Road Tank
18RS06	Warren Terrace Tanks
18RS07	Jackman's Tank
18RS08	Traralgon South Tanks
18RS09	Sanders Reservoir
18RS10	Northways Reservoir
18RS11	Jumbuk Road Tanks
18RS12	Koala Drive Tanks
18RS13	Koala Drive High Level Tanks
18RS14	Ridge Road Tank (SECV Industrial Subdivision)
18RS15	McFarlane Road Tank (Yinnar)
18WT01	Morwell Water Treatment Plant
19HM01	Walkleys Creek Diversion Weir (Fishers Rd)
19HM02	150mm Walkeys Creek Raw Water Main
19HM03	100mm O'Gradys Creek Raw Water Main
19HP01	O'Gradys Creek Diversion Weir (Limonite Road)
19RC24	Boolarra Water Property Connections
19RR24	Boolarra Water Reticulation
19WT01	Boolarra Water Treatment Plant
20HM01	Traralgon WTP Supply Main
20RC25	Traralgon Water Property Connections
20RM01	450mm Clarkes Road Basin Supply Main
20RR25	Traralgon Water Reticulation
20RS01	Clarkes Road Basin (Treated Water)
20RS02	Blacks Basin (Traralgon)
20WT01	Traralgon Water Treatment Plant
21HM01	375mm Tyers WTP Inlet Main
21RC26	Tyers Water Property Connections
21RC27	Glengarry Water Property Connections
21RC28	Rosedale Water Property Connections
21RM01	300mm Tyers-Glengarry Transfer Main
21RM02	250mm Glengarry-Rosedale Transfer Main
21RP01	River Rd (Glengarry) Treated Water Pump Station
21RR26	Tyers Water Reticulation
21RR27	Glengarry Water Reticulation
21RR28	Rosedale Water Reticulation
21RS01	Rosedale Storage
21RS02	Willung Tank
21WT01	Tyers Water Treatment Plant
22HP01	Cowwarr Weir Pump Station
22RC29	Toongabbie Water Property Connections
22RC30	Cowwarr Water Property Connections
22RM01	225mm Cowwarr Weir PS Rising Main
22RP01	River Road Pump Station
22RR29	Toongabbie Water Reticulation
22RR30	Cowwarr Water Reticulation
22RS01	Toongabbie Storage Basin
23HP01	Rose Street Pump Station
23HP02	Southern Channel Pump Station
23HS01	Weir Road Storage

23RC34	Heyfield Water Property Connections
23RM01	300mm Heyfield Supply Main
23RR34	Heyfield Water Reticulation
23WT01	Heyfield Water Treatment Plant
24HP01	Coongulla Pump Station (Glenmaggie Weir)
24RC35	Glenmaggie Water Property Connections
24RC36	Coongulla Water Property Connections
24RR35	Glenmaggie Water Reticulation
24RR36	Coongulla Water Reticulation
24RS01	Glenmaggie Tank
24WT01	Coongulla Water Treatment Plant
25HP01	Boisdale Bore
25RC01	Boisdale Water Property Connections
25RM01	Boisdale Pump Station Rising Main
25RR01	Boisdale Water Reticulation
25RS01	Boisdale Tank (Boisdale Primary School)
26HM01	150mm Briagolong Raw Water Rising Main
26HP01	Briagalong No.1 Bore
26HP02	Briagalong No.2 Bore
26RC37	Briagalong Water Property Connections
26RR37	Briagalong Water Reticulation
26WT01	Briagalong Water Treatment Plant
27HP01	MacAlister River Pump Station
27RC32	Maffra Water Property Connection
27RC33	Stratford Water Property Connection
27RM01	250mm Maffra-Stratford Transfer Main
27RP01	Stratford Booster Pump Station
27RR32	Maffra Water Reticulation
27RR33	Stratford Water Reticulation
27RS01	McAdam Street Tanks
27RS02	McLean St Tank
27RS03	Sandy Creek Road Storage
27RS04	Stratford Storage
27WT01	Maffra Water Treatment Plant
28HM01	East Bores Transfer Main
28HP01	Sale Observation Bore 1 (Sale WTP)
28HP02	Sale Bore 2A (Waterworks Rd)
28HP03	Sale Bore 3 (Waterworks Rd)
28HP04	Sale Observation Bore 5 (Back Maffra Rd)
28HP05	Sale Bore 6 (Finegan Crt)
28HP06	Sale Observation Bore (Cobains Rd)
28RC39	Sale Water Property Connection
28RC53	Wurruk/Pearsondale Water Property Connection
28RR39	Sale Water Reticulation
28RR53	Wurruk/Pearsondale Water Reticulation
28WT01	Sale Water Treatment Plant
29HP01	Merrimans Creek Pump Station
29RC31	Seaspray Water Property Connections
29RR31	Seaspray Water Reticulation
29WT01	Seaspray Water Treatment Plant
35HM01	Moondarra Augment Pipeline
35HM02	Tyers River Conduit
35HP01	Tyers River Pump Station
35HS01	Moondarra Reservoir
35HS02	Moondarra Reservoir - Catchment
36HM01	Pine Gully Reservoir Supply Main
36HM02	Australian Paper Supply Mains
36HS01	Pine Gully Reservoir

37HM01	Loy Yang High Quality Supply Main
37HP01	Firmins Lane Pump Station
37HS01	Clarkes Road Storage (Loy Yang HQWS)
38RM01	Newborough Pump Station Rising Main
38RM02	Yallourn W Supply Mains
39HM01	Hazelwood Supply Mains
39HS01	Buckleys Hill Reservoir
39HS02	Hazelwood Emergency Storage
40CC42	Drouin Sewer Property Connections
40CP01	Belbird Park SPS
40CP02	Pearson St SPS
40CP03	Weerong Rd SPS
40CP04	Waddell Rd SPS
40CP05	Gerrard St SPS
40CP06	Hopetoun Rd SPS
40CR42	Drouin Sewer Reticulation
40ST01	Drouin Sewage Treatment Plant
41CC41	Warragul Sewer Property Connections
41CP01	Warragul Saleyards SPS
41CP02	Warragul No.2 SPS
41CP03	Hamilton Drive SPS
41CP04	Charles Street SPS
41CP05	Spring Street SPS
41CP06	Munro Street SPS
41CP07	Galloway Street SPS
41CP08	Landsborough Street SPS
41CP09	McMillan Drive SPS
41CR41	Warragul Sewer Reticulation
41ST01	Warragul Sewage Treatment Plant
42CC47	Neerim South Sewer Property Connections
42CP01	Railway Road SPS
42CP02	Wagners Road SPS
42CP03	Jindivick Road SPS
42CP04	Sewer Pump Station Peters Way Neerim South
42CP05	Peters Way SPS
42CR47	Neerim South Sewer Reticulation
42ST01	Neerim South Sewage Treatment Plant
43CC15	Willow Grove Sewer Property Connections
43CP01	Tanjil Court SPS
43CP02	School Road SPS
43CR15	Willow Grove Sewer Reticulation
43ST01	Willow Grove Sewage Treatment Plant
43TM01	Willow Grove STP Outfall Main
44CC17	Rawson Sewer Property Connections
44CR17	Rawson Sewer Reticulation
44ST01	Rawson Sewerage Treatment Plant
46CC10	Newborough Sewer Property Connections
46CC11	Trafalgar Sewer Property Connections
46CC12	Yarragon Sewer Property Connections
46CC49	Moe Sewer Property Connections
46CP01	Kenall Drive SPS
46CP02	Fairway Drive SPS
46CP03	Eight Mile Road SPS
46CP04	Middle Road SPS
46CP05	Trafalgar Railway Station SPS
46CP06	Factory Road SPS
46CP07	Princes Highway (Yarragon) SPS
46CP08	Rodiers Road SPS

46CP09	Southwell Avenue SPS
46CR10	Newborough Sewer Reticulation
46CR11	Trafalgar Sewer Reticulation
46CR12	Yarragon Sewer Reticulation
46CR49	Moe Sewer Reticulation
46ST01	Moe Sewage Treatment Plant
46TM01	Trafalgar-Moe Sewer Rising Main
47CC13	Yallourn North Sewer Property Connections
47CM01	Yallourn North Sewer Rising Main
47CP01	Yallourn North SPS
47CR13	Yallourn North Sewer Reticulation
48CC23	Mirboo North Sewer Property Connections
48CP01	Strezlecki Highway SPS
48CP02	Giles Street SPS
48CR23	Mirboo North Sewer Reticulation
48ST01	Mirboo North Sewage Treatment Plant
49CC19	Churchill Sewer Property Connections
49CC21	Yinnar Sewer Property Connections
49CC24	Boolarra Sewer Property Connections
49CM01	Boolarra SPS Rising Main
49CP01	Acacia Way SPS
49CP02	Matta Drive SPS
49CP03	Winchester Way SPS
49CP04	Hawthorn Crescent SPS
49CP05	Boldings Estate SPS
49CP06	Yinnar SPS
49CP07	Sliedel Court SPS
49CP08	Chapel Street SPS
49CP09	Boolarra SPS
49CR19	Churchill Sewer Reticulation
49CR21	Yinnar Sewer Reticulation
49CR24	Boolarra Sewer Reticulation
50CC18	Morwell Sewer Property Connections
50CP01	Driffield Road SPS
50CP02	Polden Crescent SPS
50CP03	Davey Street SPS
50CP04	Catherine Street SPS
50CP05	Elizabeth Terrace SPS
50CP06	English Street SPS
50CP07	Crinigan Road SPS
50CP08	Princes Highway Morwell SPS
50CP09	Minchington Road SPS
50CP10	Mc Quade Street SPS
50CP11	Symons Crescent SPS
50CP12	Civic Centre SPS
50CP13	Morwell Indust. Est. SPS No. 1
50CP14	Morwell Indust. Est. SPS No. 2
50CP15	Saskia Way SPS
50CP16	National Foods Pump Station
50CP17	Porters Road SPS (Morwell Enterprise Centre)
50CR18	Morwell Sewer Reticulation
50ST01	Morwell Sewage Treatment Plant
51CC25	Traralgon Sewer Property Connections
51CP01	Gilmour St SPS
51CP02	Lodge Drive SPS
51CP03	Breed St SPS
51CP04	Peterkin St SPS
51CP05	Cross's Road SPS

51CP06 Traralgon WTP SPS  
 51CP07 Marshall's Road West SPS  
 51CP08 Marshall's Road East SPS  
 51CP09 Rocla Road SPS  
 51CP10 Leasons Road SPS  
 51CP11 Village Avenue SPS  
 51CP12 Airfield Road SPS  
 51CP13 Bradford Drive SPS  
 51CP14 Cross's Road (Ellenbrae Ct) SPS  
 51CP15 Loy Yang Power Station Domestic SPS  
 51CP16 Breed Street North SPS  
 51CP17 Sewer Pump Station Ellavale Park Traralgon  
 51CP18 Riverslea Park Estate SPS  
 51CP19 Ellavale Estate SPS  
 51CR25 Traralgon Sewer Reticulation  
 52CC29 Toongabbie Sewer Property Connections  
 52CC35 Glengarry Sewer Property Connections  
 52CM01 Toongabbie SPS Rising Main  
 52CM02 Glengarry SPS Rising Main  
 52CP01 Toongabbie SPS  
 52CP02 Glengarry SPS  
 52CR29 Toongabbie Sewer Reticulation  
 52CR35 Glengarry Sewer Reticulation  
 53CC28 Rosedale Sewer Property Connections  
 53CP01 Cansick Street SPS  
 53CP02 Duck Court SPS  
 53CP03 Mackay Street SPS  
 53CP04 Hood Street SPS  
 53CP05 Mill Lane SPS  
 53CR28 Rosedale Sewer Reticulation  
 54CC34 Heyfield Sewer Property Connections  
 54CP01 Commercial Road SPS  
 54CP02 Maffra Road No.1 SPS  
 54CP03 Maffra Road No.2 SPS  
 54CR34 Heyfield Sewer Reticulation  
 54ST01 Heyfield Sewage Treatment Plant  
 56CC32 Maffra Sewer Property Connections  
 56CP01 Maffra No.1 SPS (Nestles)  
 56CP02 McLean Street SPS  
 56CP03 Railway Place SPS  
 56CP04 Davis Street SPS  
 56CP05 Boisdale Street SPS  
 56CP06 Sale Road SPS  
 56CP07 Fulton Road SPS  
 56CP08 Morrison St PS (Sports Maffra)  
 56CR32 Maffra Sewer Reticulation  
 56ST01 Maffra Domestic Sewage Treatment Plant  
 58CC33 Stratford Sewer Property Connections  
 58CM01 Hobson Street SPS Rising Main  
 58CP01 Hobson Street SPS  
 58CP02 McMillan Street SPS  
 58CP03 Merricks Street (Raymond St) SPS  
 58CP04 McFarlane Street SPS  
 58CP05 Scott Street (McMillan St) SPS  
 58CP06 Fitzroy Street SPS  
 58CP07 Merricks Street (Wyndham St) SPS  
 58CP08 Caravan Park PS (Stratford)  
 58CR33 Stratford Sewer Reticulation

58ST01	Stratford Sewerage Treatment Plant
59CC39	Sale Sewer Property Connections
59CC53	Wurruk Sewer Property Connections
59CM01	Sale Rising Main (No.1 SPS)
59CM02	Sale No.2 SPS Rising Main
59CM03	RAAF Base Sewer Rising Main
59CP01	Sale No 1 SPS (Port of Sale)
59CP02	Sale No.2 SPS (Dawson Street)
59CP03	McMillian Street SPS
59CP04	Laneway at 104 York Street SPS
59CP05	McAlister Street (Marley St) SPS
59CP06	Market Street (Turnbull St) SPS
59CP07	Barkly Street (Foster St) SPS
59CP08	McAlister Street (Palmerston St) SPS
59CP09	Princes Highway (Reeve St) SPS
59CP10	Cunningham Street (Topping St) SPS
59CP11	McArthur Street (Raymond St) SPS
59CP12	McArthur Street (Marley St) SPS
59CP13	McArthur Street (Dundas St) SPS
59CP14	McArthur Street (Elgin St) SPS
59CP15	McArthur Street (Guthridge Pde) SPS
59CP16	Fitzroy Street (Reeve St) SPS
59CP17	Fitzroy Street (Raymond St) SPS
59CP18	Fitzroy Street (York St) SPS
59CP19	Fitzroy Street (Dundas St) SPS
59CP20	Fitzroy Street (Elgin St) SPS
59CP21	Raglan Street (York St) SPS
59CP22	Raglan Street (McCole St) SPS
59CP23	Raglan Street (Gutheridge Pde) SPS
59CP24	McGhee Street SPS
59CP25	King George Ave (Dawson St) SPS
59CP26	McCole Street (Hyland Crt) SPS
59CP27	Buckly Street (Hoddle St) SPS
59CP28	Franklin Street SPS
59CP29	Stead Street SPS
59CP30	Polaris Drive SPS
59CP31	Inglis Street SPS
59CP32	Cooper Court SPS
59CP33	Ray Street East SPS
59CP34	Ray Street West SPS
59CP35	Ruff Street East SPS
59CP36	Ruff Street West SPS
59CP37	Raglan Street (Ellen Way) SPS
59CP38	Princes Highway (Dawson St) SPS
59CP39	Saleyard Road SPS
59CP40	York Street (Netball Courts) SPS
59CP41	Trood Street (Glomar Grv) SPS
59CP42	Raymond Street (Foster St) SPS
59CP43	Acacia Court SPS
59CP44	Elizabeth Court SPS
59CP45	Jackson Avenue SPS
59CP46	Mark Avenue SPS
59CP47	Wharf Court SPS
59CP48	Tanjil Court SPS
59CP55	Cobains Road (Old Drive-Inn Site) SPS
59CP56	Wurruk (Princes Hwy) SPS
59CP65	Wellington Drive SPS
59CP66	Pattern Street SPS

59CP67 Shepherd Court SPS  
 59CP68 Dawson Street (West) SPS  
 59CP70 Brand Street SPS  
 59CP71 Wurruk Cricket Club SPS  
 59CP72 Southern Avenue SPS  
 59CP73 Guthridge Parade (Raglan St) SPS  
 59CP74 Wade Court SPS  
 59CP75 Finegan Court SPS  
 59CP76 Guthridge Parade (Hospital) SPS  
 59CP78 Trood Street SPS  
 59CP79 Ibis Avenue SPS  
 59CP80 Fulham Correctional Center SPS  
 59CP81 Sale WTP SPS (Sludge Disposal)  
 59CP82 Sewer Pump Station Thornley Court Sale  
 59CP83 Thornley Court SPS  
 59CR39 Sale Sewer Reticulation  
 59CR53 Wurruk Sewer Reticulation  
 62TM01 Churchill Grit Chamber (ROS)  
 62TM02 ROS Churchill Branch Pipeline  
 62TM03 Morwell Grit Chamber  
 62TM04 Regional Outfall Sewer (ROS) Pipeline  
 62TM05 Maryvale Grit Chamber  
 62TM06 Regional Outfall Sewer (ROS) Channel  
 62TP01 Maryvale Pump Station  
 62TP02 Traralgon Pump Station (ROS)  
 62TP03 Marshalls Road Pump Station (ROS)  
 62TP04 Longford Pump Station (ROS)  
 62TS01 Porters Road Storage  
 62TS02 Rosedale Storage (ROS)  
 62TS03 Longford Storage (ROS)  
 62TS04 Boggy Creek Storage (ROS)  
 62TT01 Sheepwash Creek Oxygen Dissolver  
 62TT02 Rosedale Oxygen Dissolver  
 62TT03 Peg 29 Siphon  
 62TT04 Peg 50 Siphon  
 62TT05 Peg 75 Oxygen Dissolver  
 62TT06 Longford Oxygen Dissolver  
 62TT07 Dutson Siphon  
 62TT08 Peg 166 Oxygen Dissolver  
 63ST01 Dutson Downs Waste Water Treatment  
 70TM01 Yallourn Energy SPS Rising Main  
 70TP01 Yallourn Energy SPS  
 71TM01 Loy Yang Saline Water Outfall Pipeline (SWOP)  
 71TP01 Loy Yang SWOP Pump Station  
 72ST01 Murray Goulburn (Maffra) Wastewater Treatment Plant  
 72TP01 Murray Goulburn PS (Trade)  
 73TS01 Australian Paper (AP) Maryvale Mil  
 74TM01 ESSO Saline Water Outfall Pipeline  
 74TM02 ESSO Pond to No.2 Storage Pipeline  
 74TS01 ESSO Pond  
 81LL01 Dutson Resource Recovery Facility  
 81ZY01 Darnum Communication Tower