WATMOV – Your Extended Design & Drafting Partner

Let us support your design journey together

WATMOV

About Us

Watmov® Australia is your extended support team, enhancing output, timelines, and efficiency.

We are an engineering drafting team that helps meet your requirements at minimal cost, enabling you to deliver more and enhance your business potential.

Watmov® has a sizable drafting team in Pune, India, where we handle production work and support our clients.

Watmov Australia Values

At Watmov® our values define how we do our work and represent our skills to add engineering values to customer.

- Long term relation
- Value added engineering to achieve client goals
- Reliability and trust

What we do

We support consultant with

- Landscape – Home & Commercial
- Oval / Grounds / Road Median
- Micro Irrigation – Dripline and Sprinkler Design
- Pump Station and Hydraulic Design
- Drainage and Storm water Plans
- Drafting works
- Any work in the field of Civil and Mechanical engineering

Typical support activities:

- Preparation of Plans
- Preparation of Installation / Details Drawings
- Compiling of BoQ
- Preparation of Specification documents as per your needs

WATMOV

How we operate

- Typically, a new customer will send an inquiry or design requirement to us at info@watmov.com.au and design@watmov.com.au
- The design team will review the inputs, contact you for any further clarifications, discuss the details, and then provide a proposal on the project's effort level, budget, and timeline.
- Upon confirmation, the design team will deliver the work, discuss any necessary modifications, and complete the project.
- As we work on multiple projects with customers, we become familiar with the requirements and formats, which improves delivery time efficiency.

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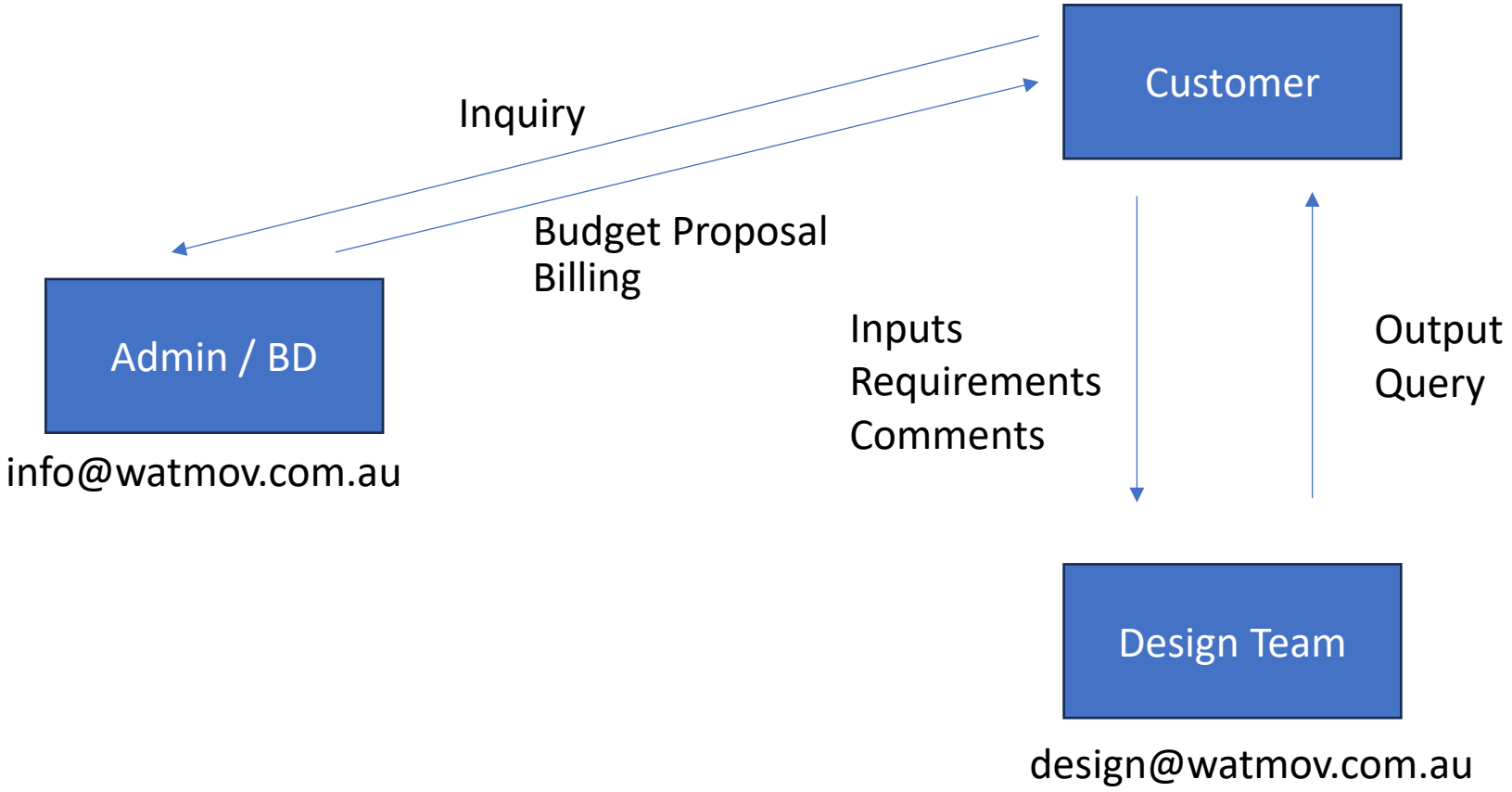
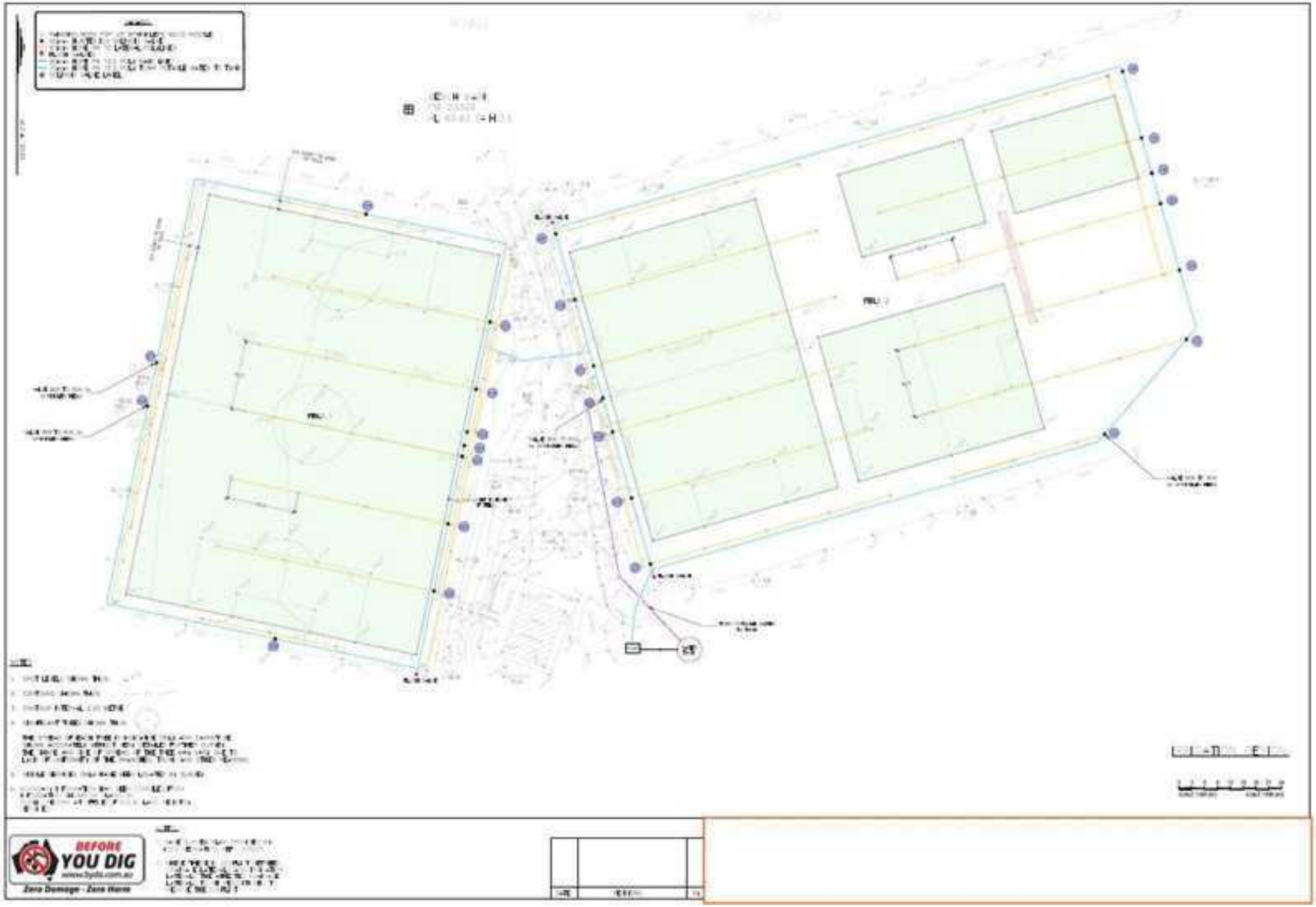
Communication



Easy communication with design team available on:

- E mails
- Phones
- WhatsApp
- Microsoft Teams
- Google Meet
- Zoom call



Sample Output

Football Ground & other Turf courts

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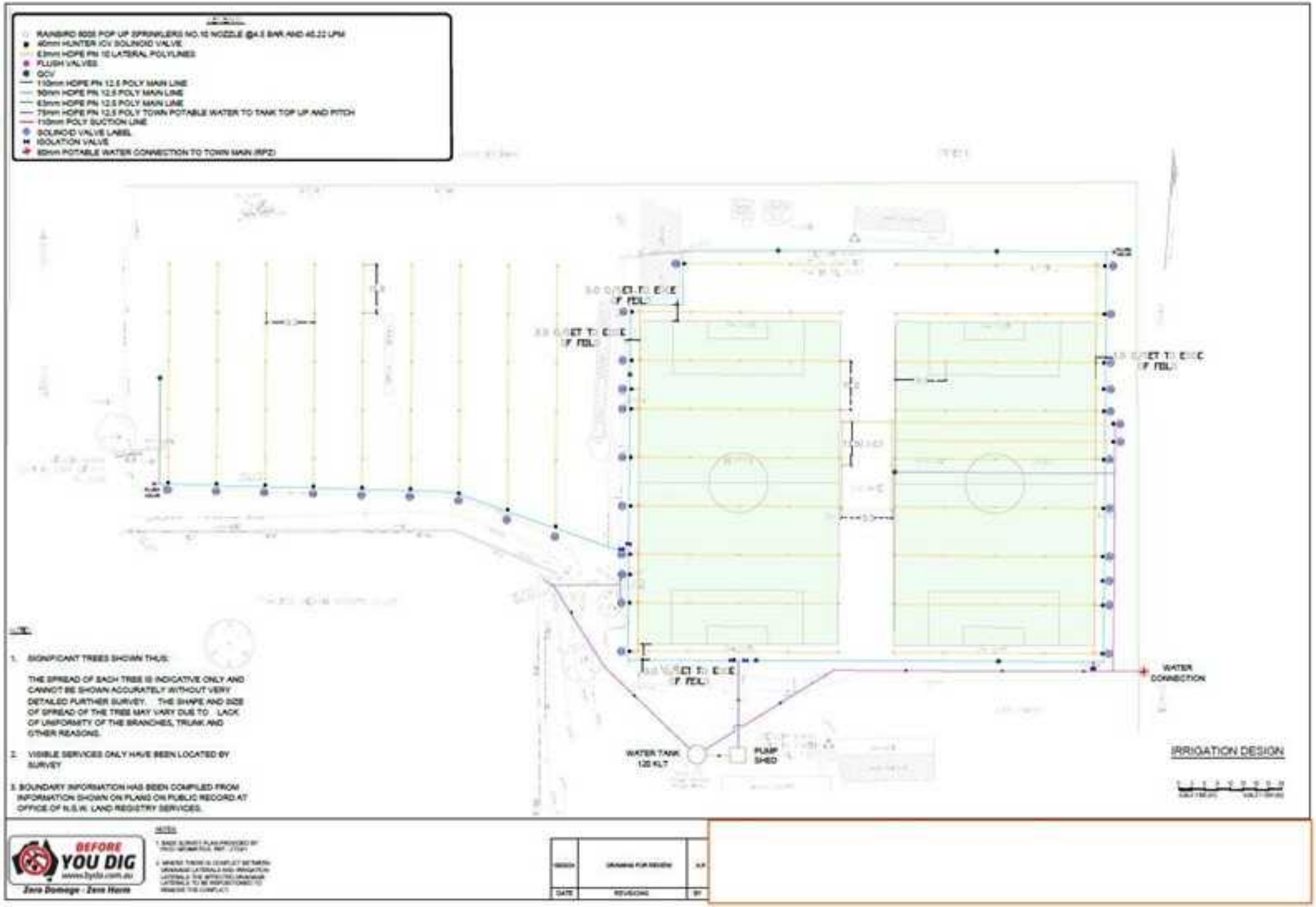
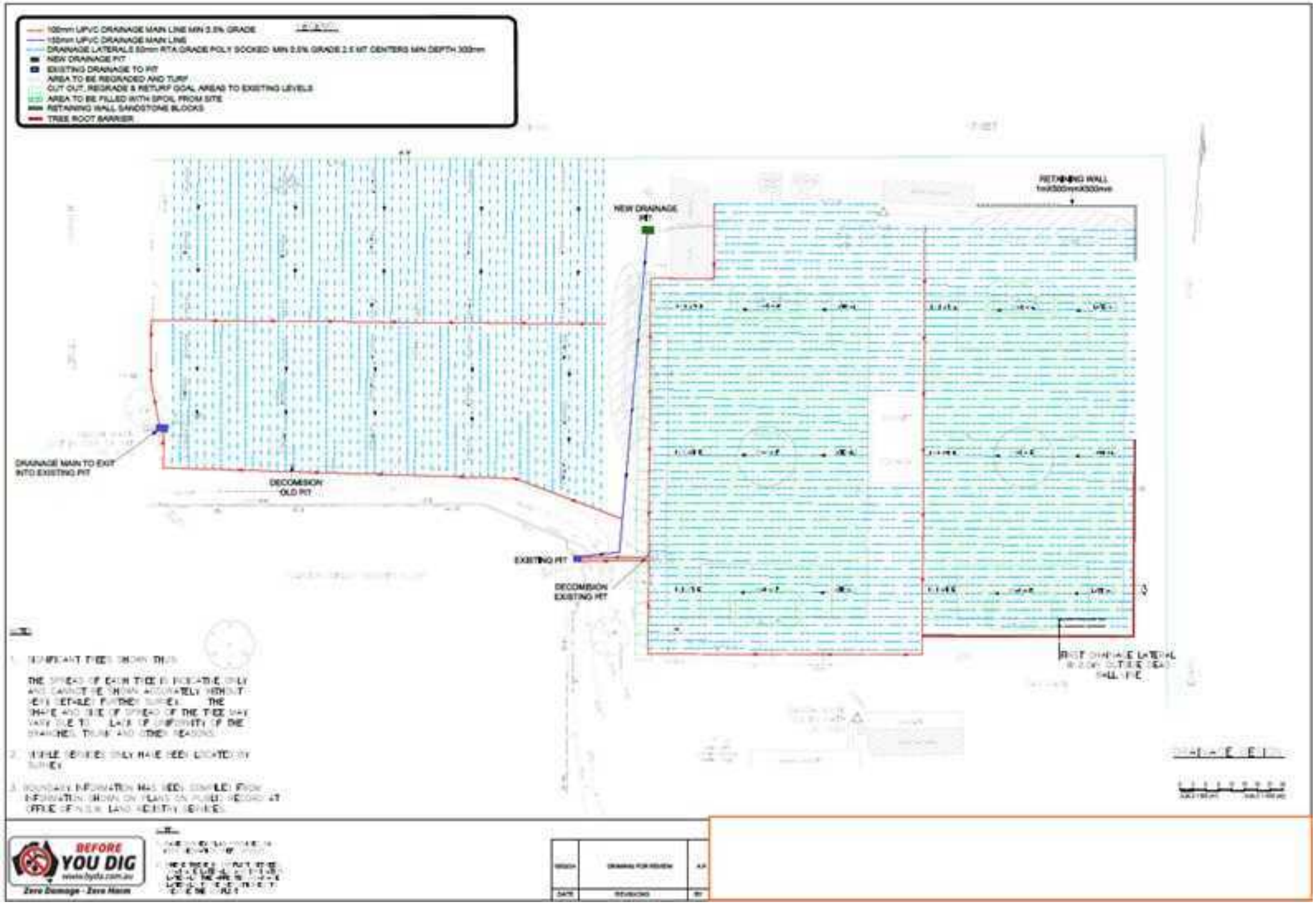
Sample Outputs

Football Ground



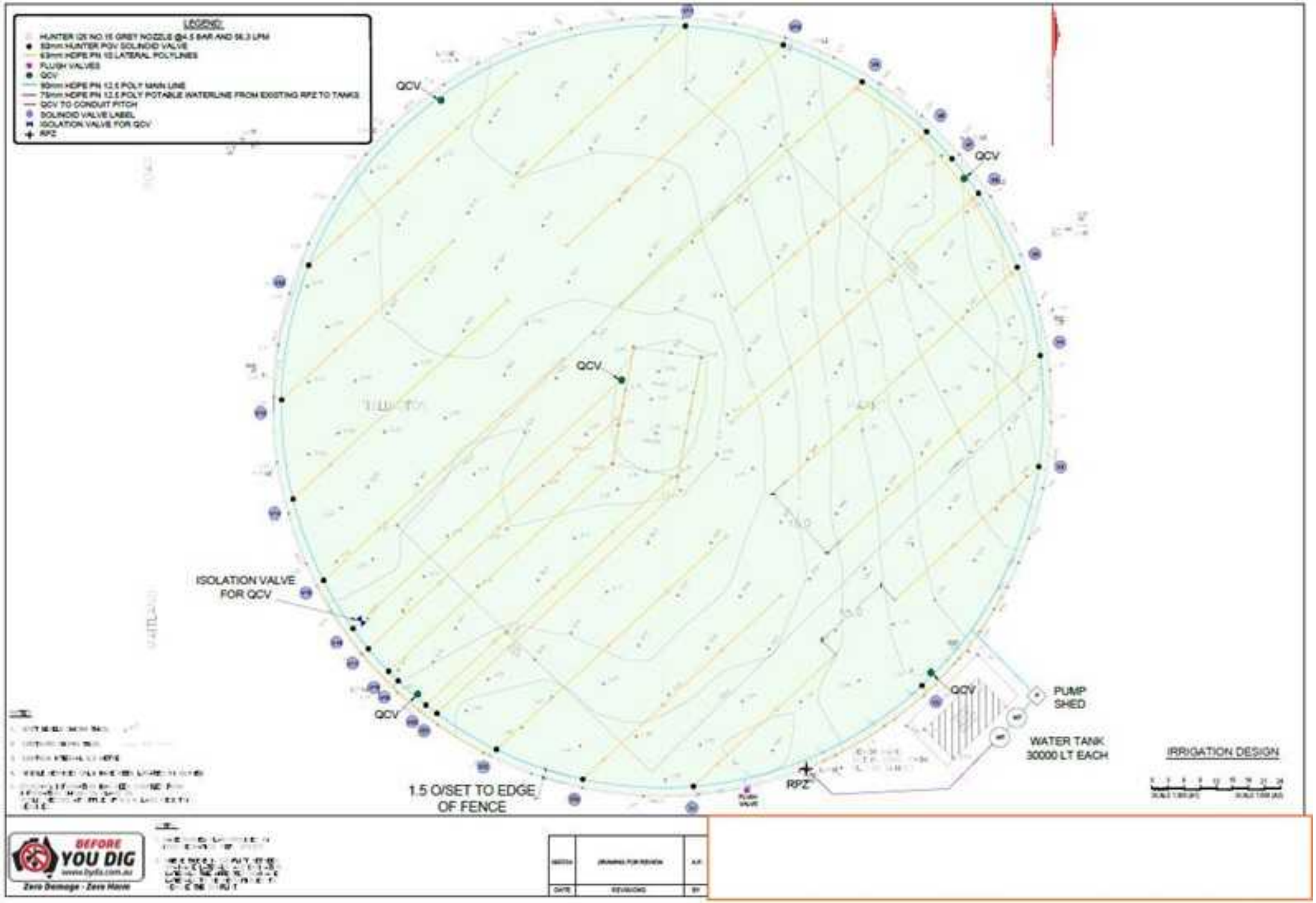
Sample Outputs

Drainage for Football Ground



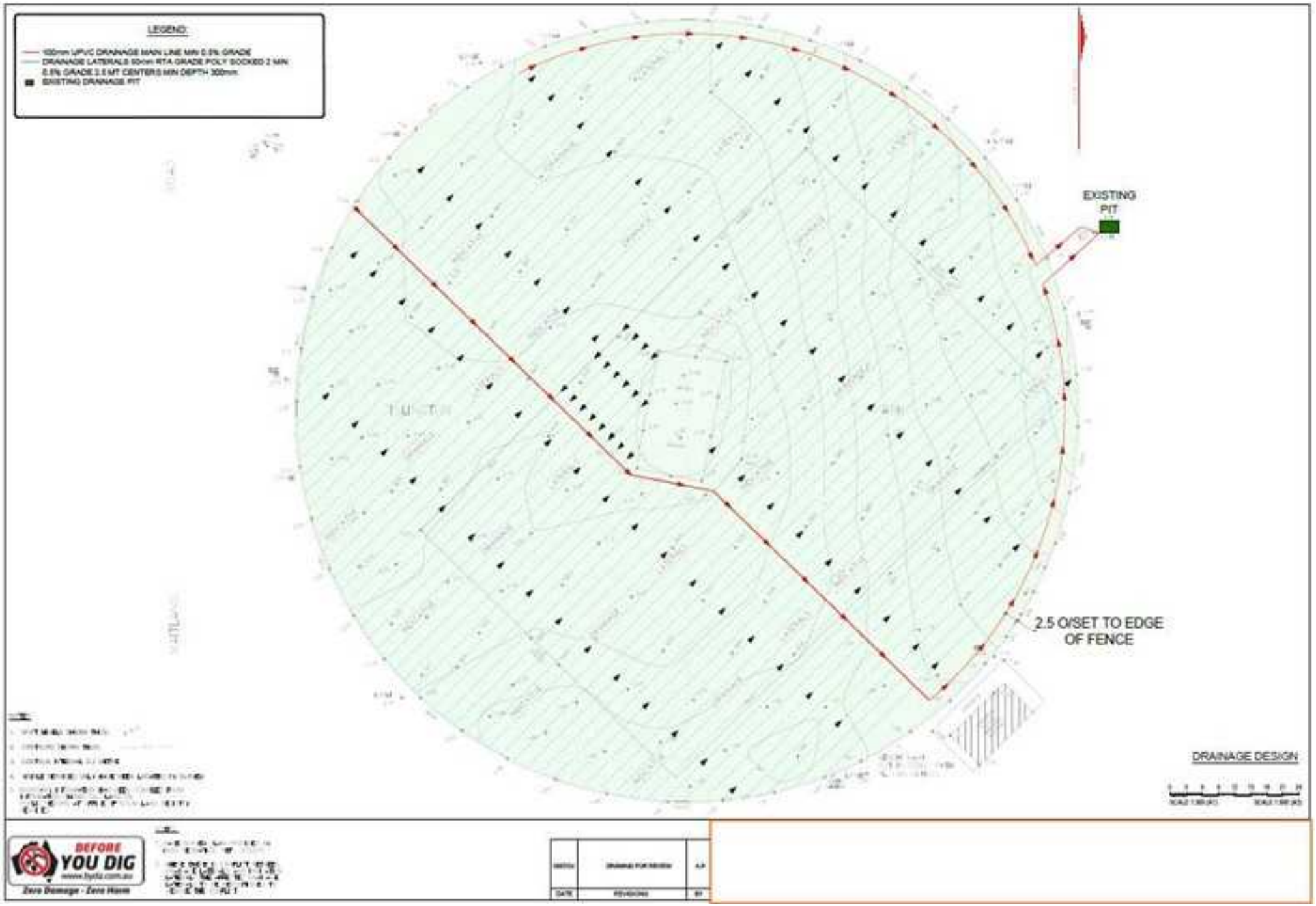
Sample Outputs

Cricket Ground



Sample Outputs

Drainage for Cricket Ground

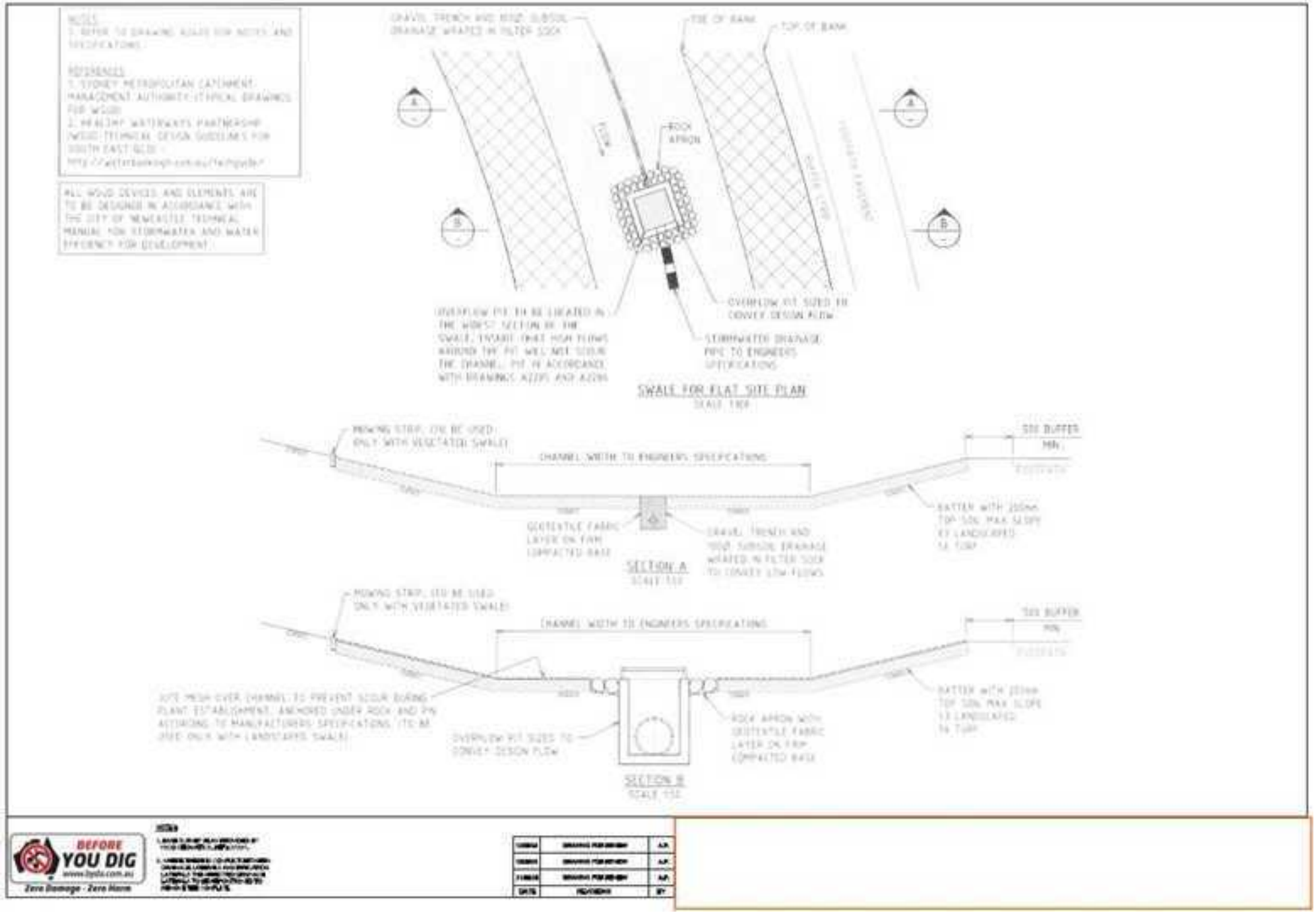


Sample Outputs

Park Drainage

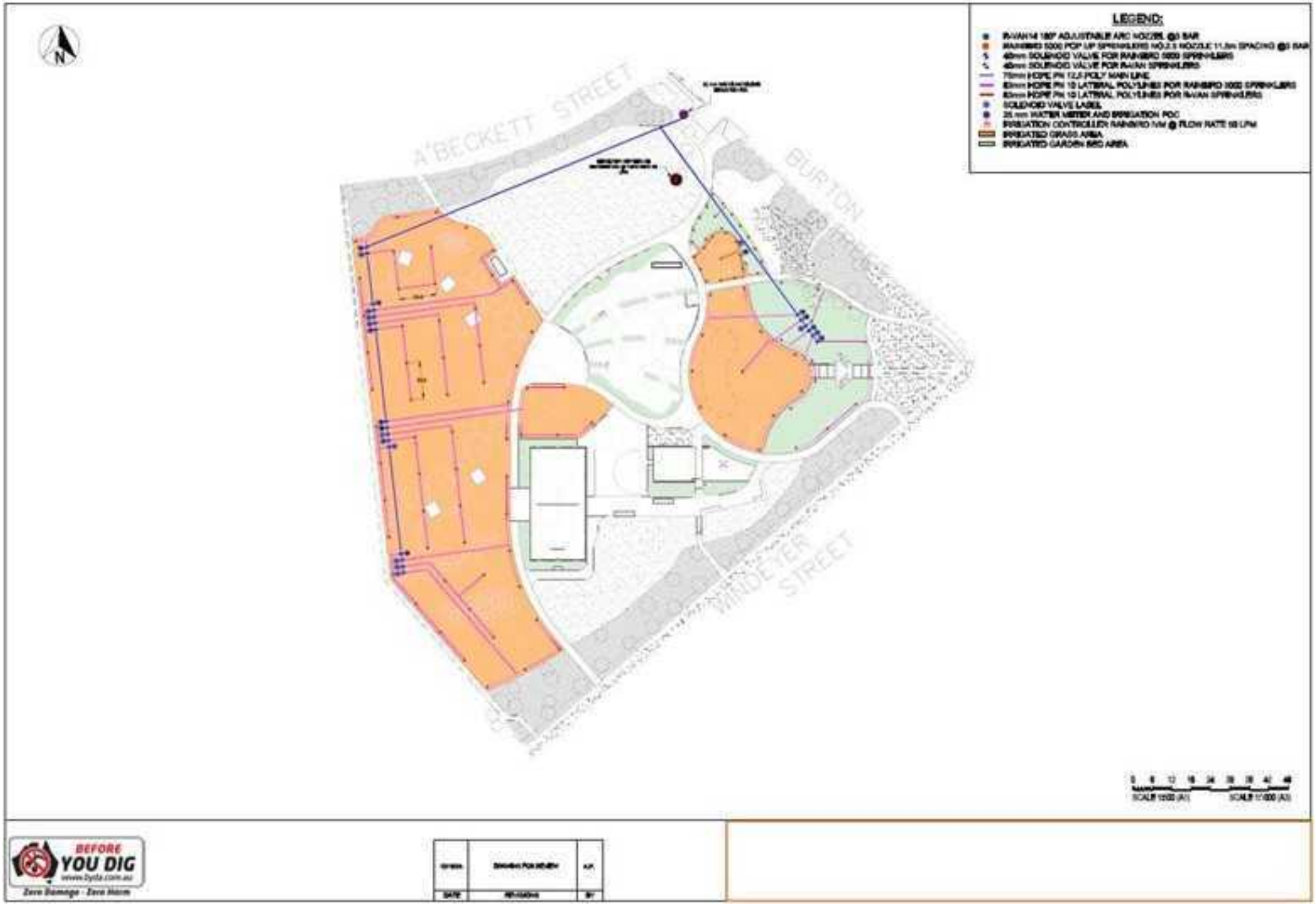
Sample Outputs

Park Drainage – Details



Sample Outputs

Play - Ground



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ST JOHNS COLLEGE SPORTS FEILD IRRIGATION DESIGN

162 SHERATON ROAD DUBBO NSW 2830

St Johns College
Street Address: 162 Sheraton Road, Dubbo NSW 2830
Postal Address: PO Box 4019, Dubbo East NSW 2830

Phone: 02 6841 5100
Email: stjohnscollegedubbo@bth.catholic.edu.au

DRAWING SCHEDULE	
LAYOUT 01 :	COVER SHEET
LAYOUT 02 :	OVERALL SHEET
LAYOUT 03 :	IRRIGATION LAYOUT PLAN
LAYOUT 04 :	BLOW UP SHEET

LOCALITY PLAN

OVERALL SITE LAYOUT PLAN

PLAYING FIELDS
CIVIL DESIGN
ST JOHNS COLLEGE
162 SHERATON ROAD DUBBO NSW 2830
ROMAN CATHOLIC CHURCH FOR DIOCESE OF BATHURST

DRAWING TITLE
COVER SHEET AND DRAWING SCHEDULE

Sample Outputs

Sports Field – Sheet Set 1 of 4

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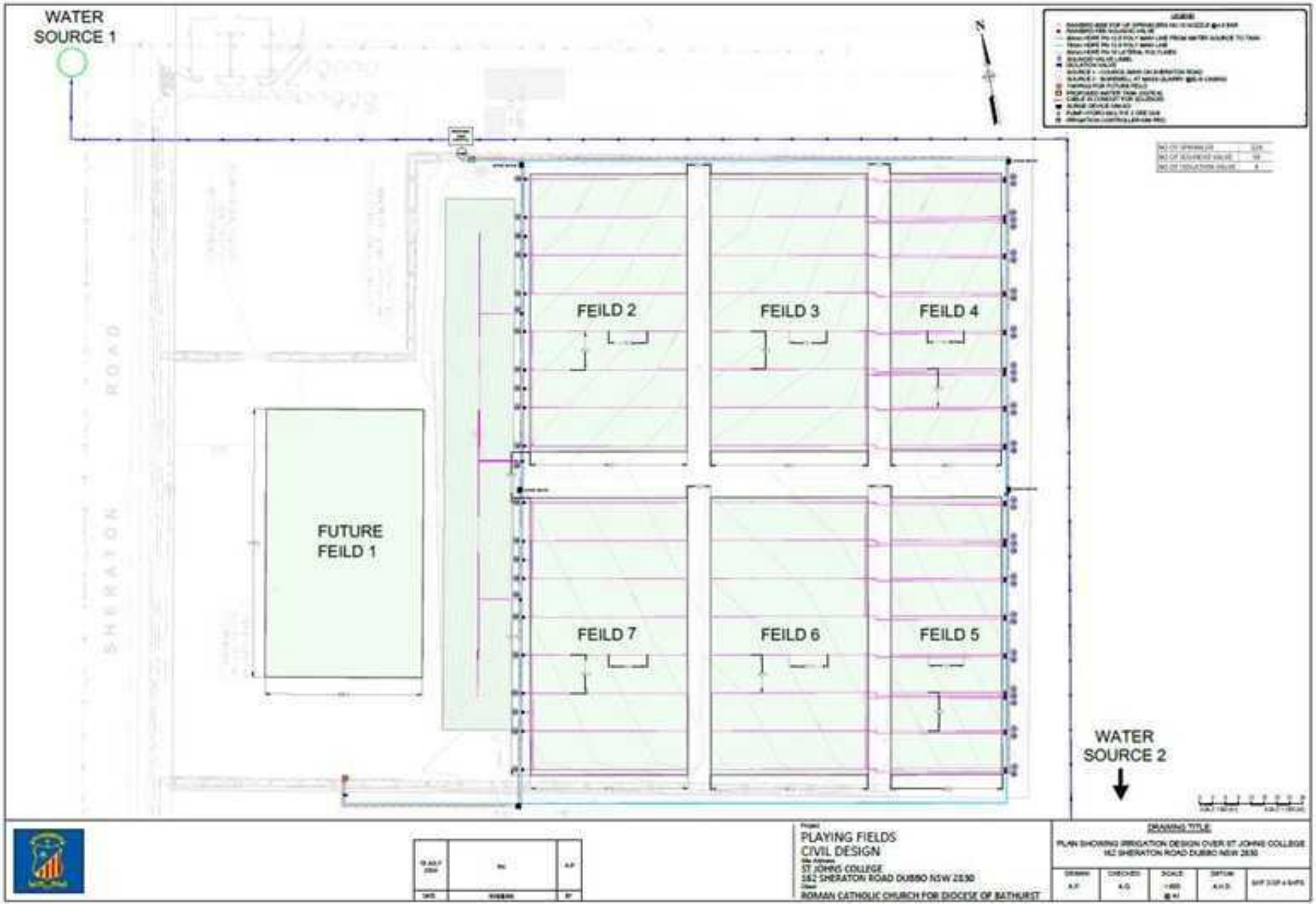
Sample Outputs

Sports Field – Sheet Set 2 of 4

WATMOV®

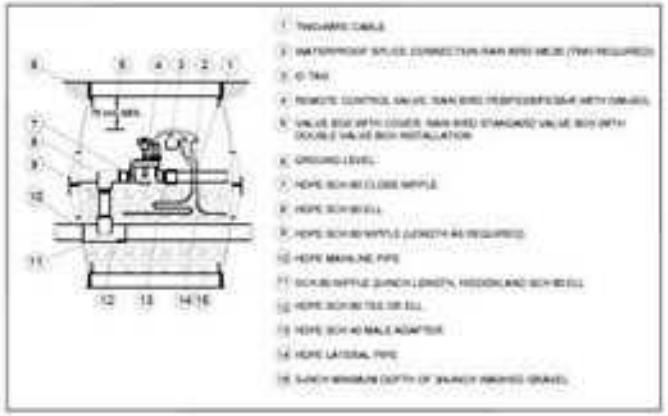


Sample Outputs

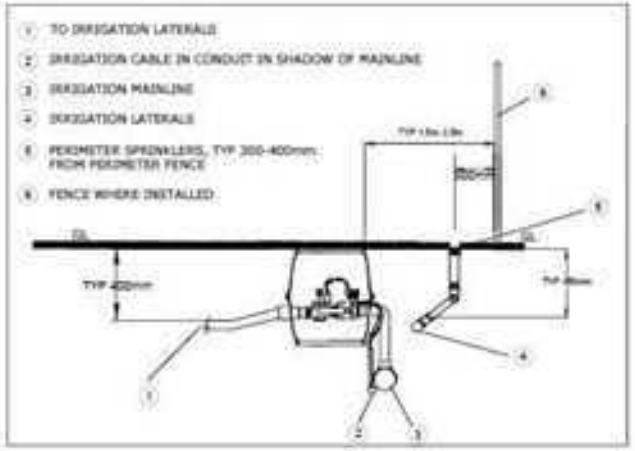
Sports Field – Sheet Set 3 of 4

WATMOV®

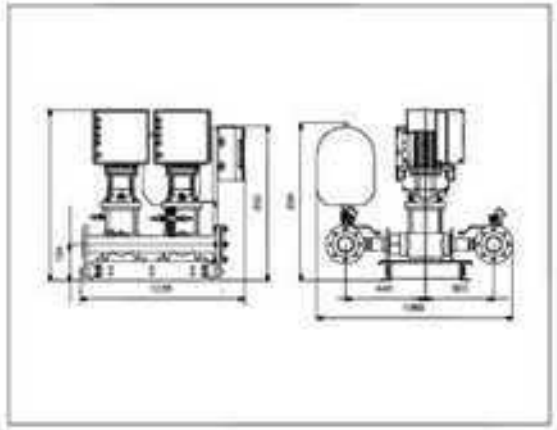
DETAILS OF SPRINKLERS AND VALVES



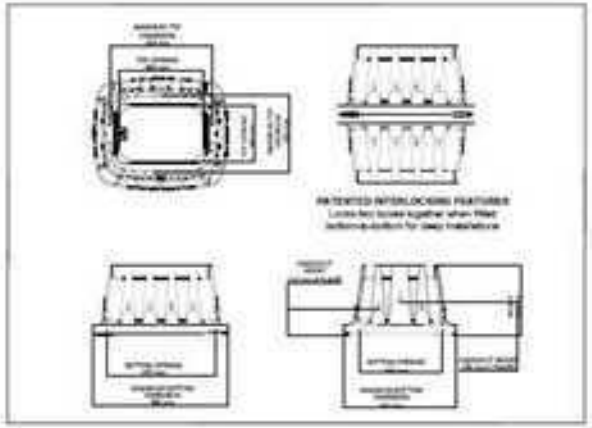
SOLENOID VALVE



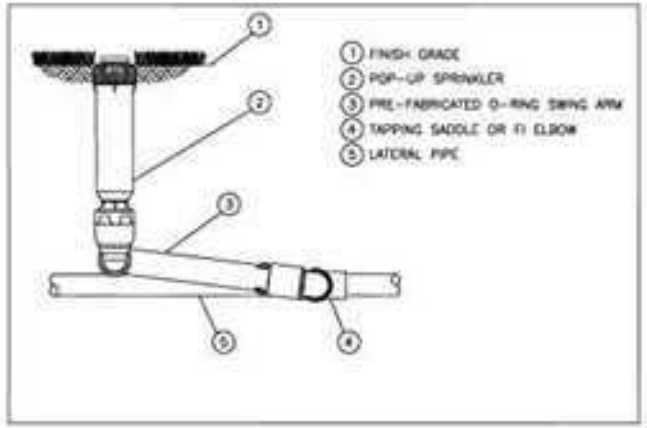
TYPICAL CROSS SECTION OF IRRIGATION



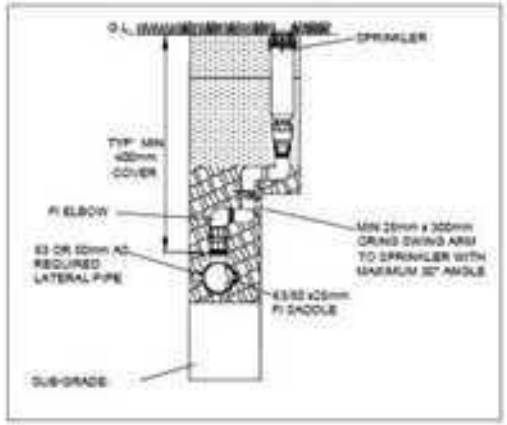
PUMP HYDRO MULTI-E 2 CRE 20-6



STANDARD VALVE BOX DIMENSIONS



ROTOR POP-UP SPRINKLER 8005



TYPICAL LATERAL TRENCH/SPRINKLER SECTION

PLAYING FIELDS
CIVIL DESIGN
ST JOHNS COLLEGE
262 SHERATON ROAD DUBBO NSW 2830
ROMAN CATHOLIC CHURCH FOR DIOCESE OF BATHURST

DRAWING TITLE
BLOW UP SHEET HAVING DETAILS OF SPRINKLER AND VALVE

Sample Outputs

Sports Field – Sheet Set 4 of 4

WATMOV

RIVER STREET WEST ROAD CONSTRUCTION

NORTHWEST DUBBO "RIVER STREET WEST"

DRAWING SCHEDULE :

LAYOUT 01: COVER SHEET AND DRAWING SCHEDULE
LAYOUT 02: IRRIGATION LAYOUT PLAN (STAGE-1) SHEET-1 OF 8
LAYOUT 03: IRRIGATION LAYOUT PLAN (STAGE-1) SHEET-1 OF 8
LAYOUT 04: IRRIGATION LAYOUT PLAN (STAGE-1) SHEET-1 OF 8
LAYOUT 05: IRRIGATION LAYOUT PLAN (STAGE-2) SHEET-1 OF 8
LAYOUT 06: IRRIGATION LAYOUT PLAN (STAGE-2) SHEET-1 OF 8
LAYOUT 07: IRRIGATION LAYOUT PLAN (STAGE-2) SHEET-1 OF 8
LAYOUT 08: BLOW UP SHEET

LOCALITY PLAN

OVERALL SITE LAYOUT PLAN

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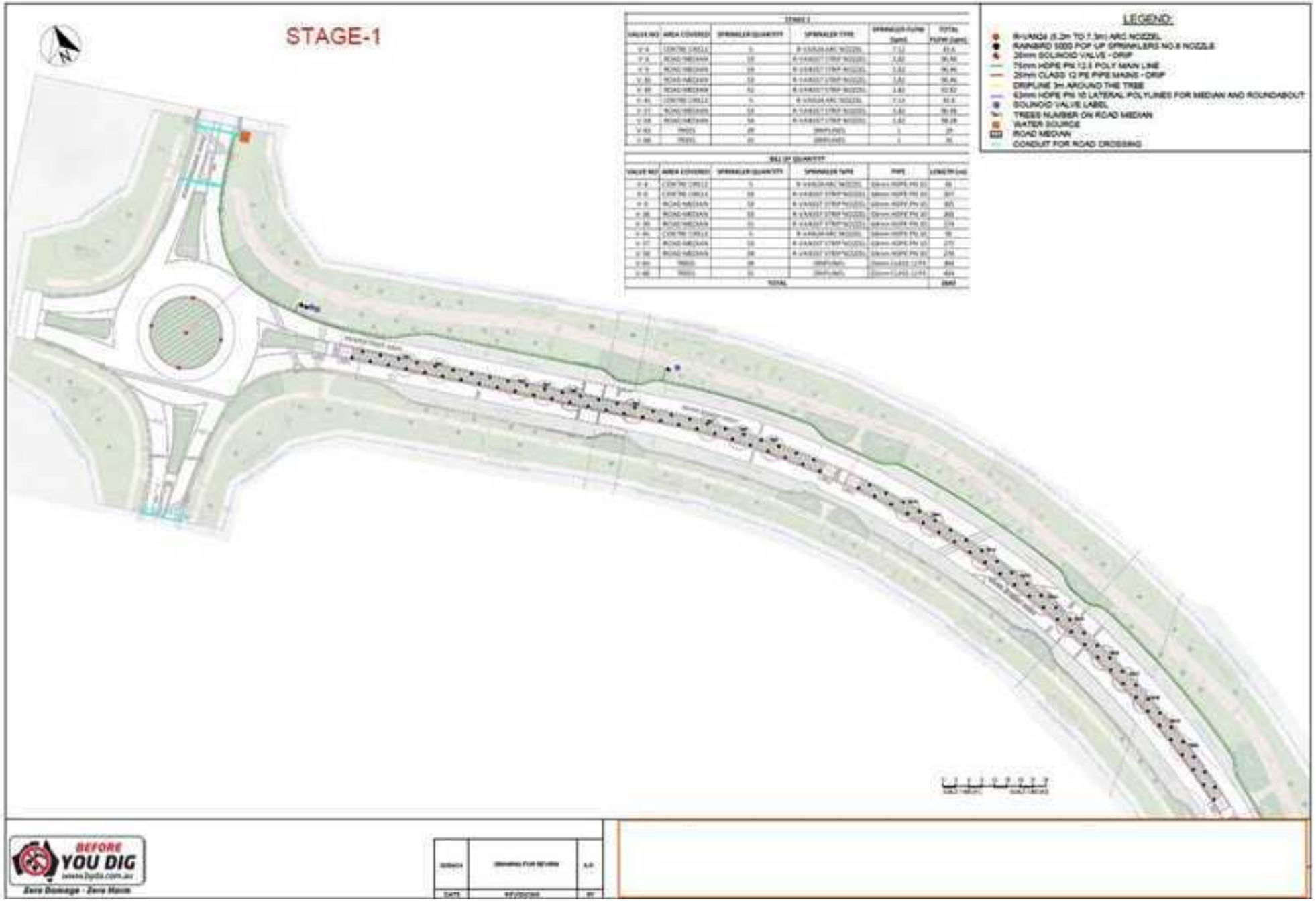
Zero Damage - Zero Harm

Sample Outputs

Median and Road Landscape – Sheet Set 1 of 8

WATMOV

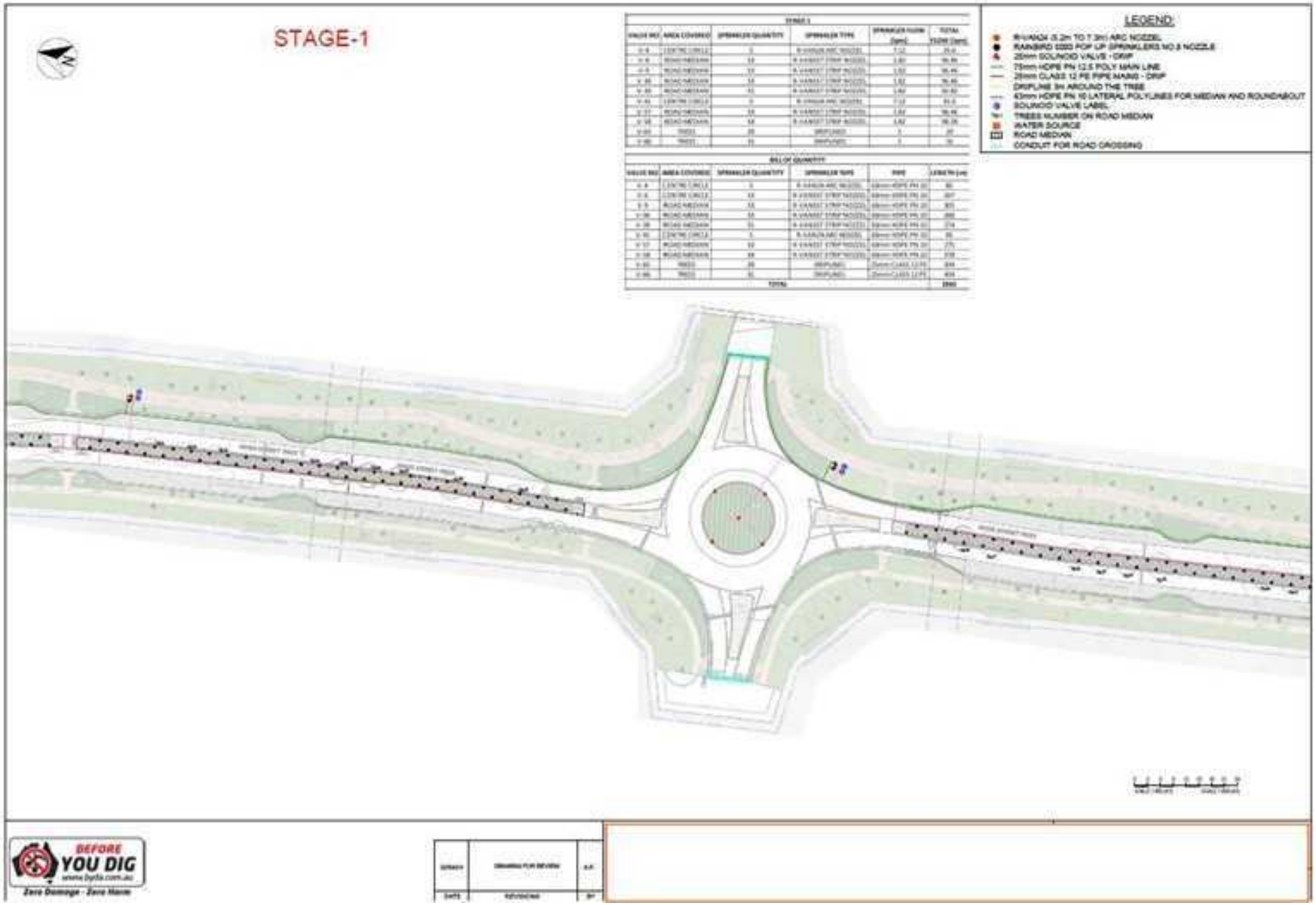


Sample Outputs

Median and Road Landscape – Sheet Set

2 of 8

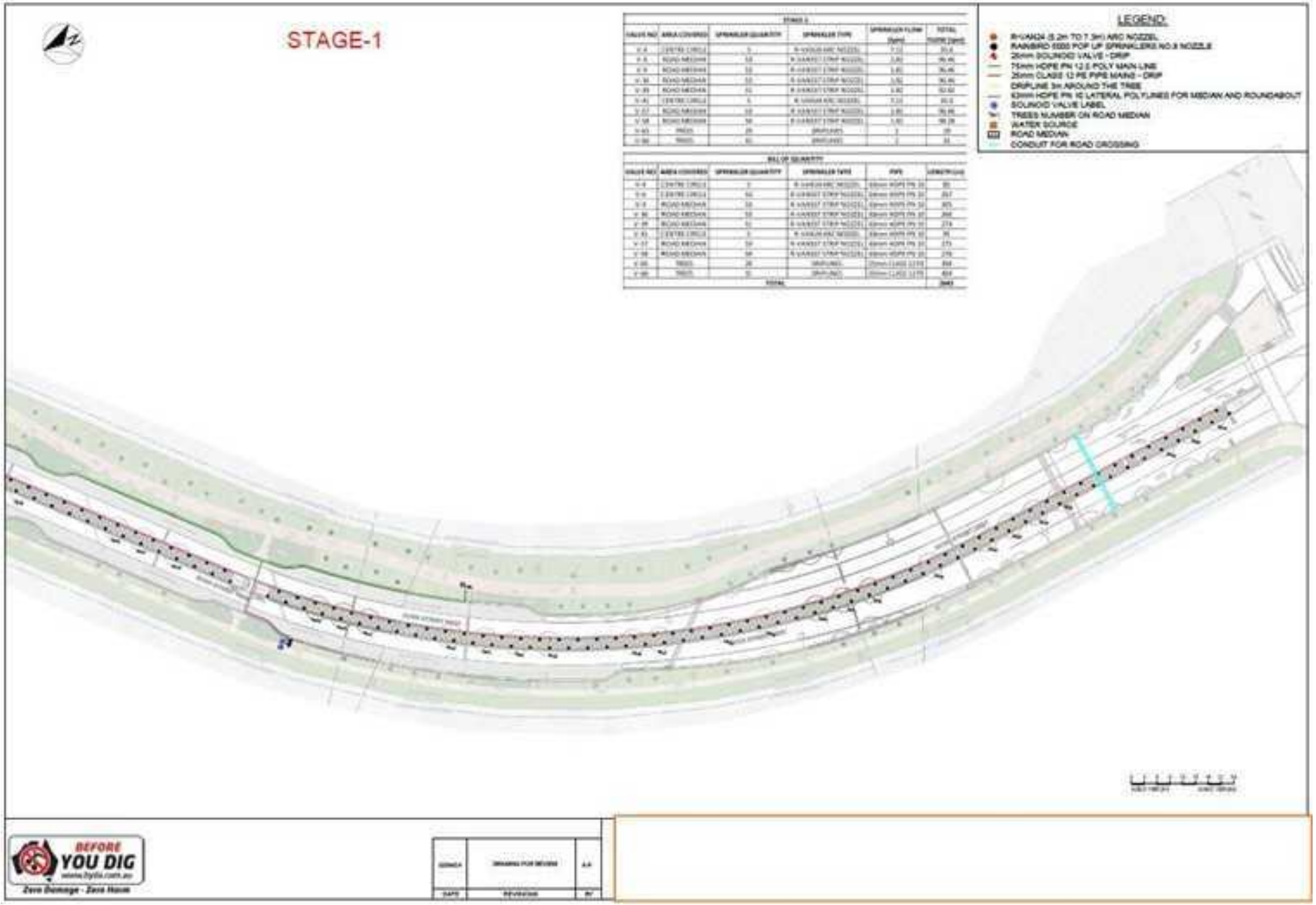
WATMOV



Sample Outputs

Median and Road Landscape – Sheet Set

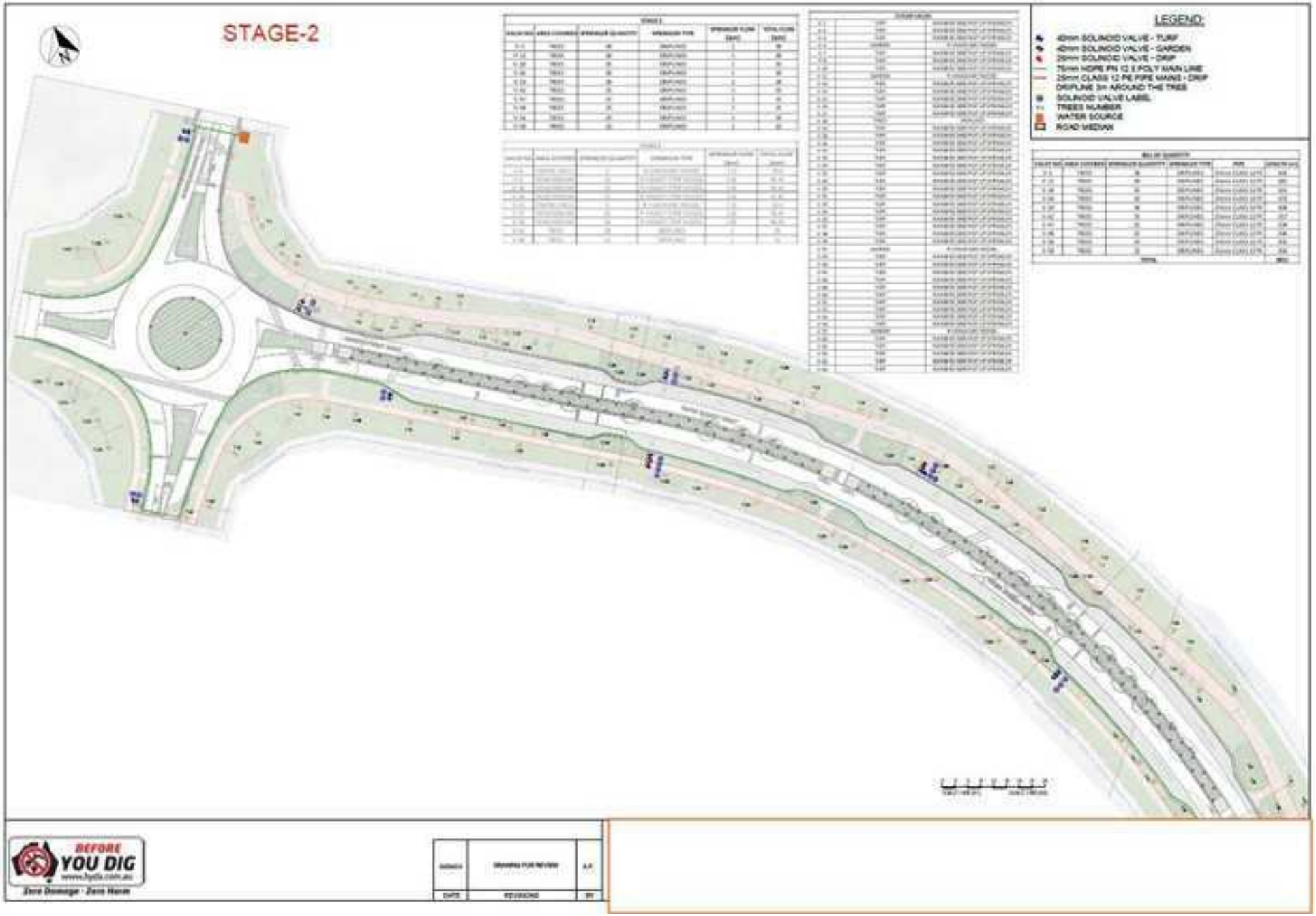
3 of 8



Sample Outputs

Median and Road Landscape – Sheet Set

4 of 8

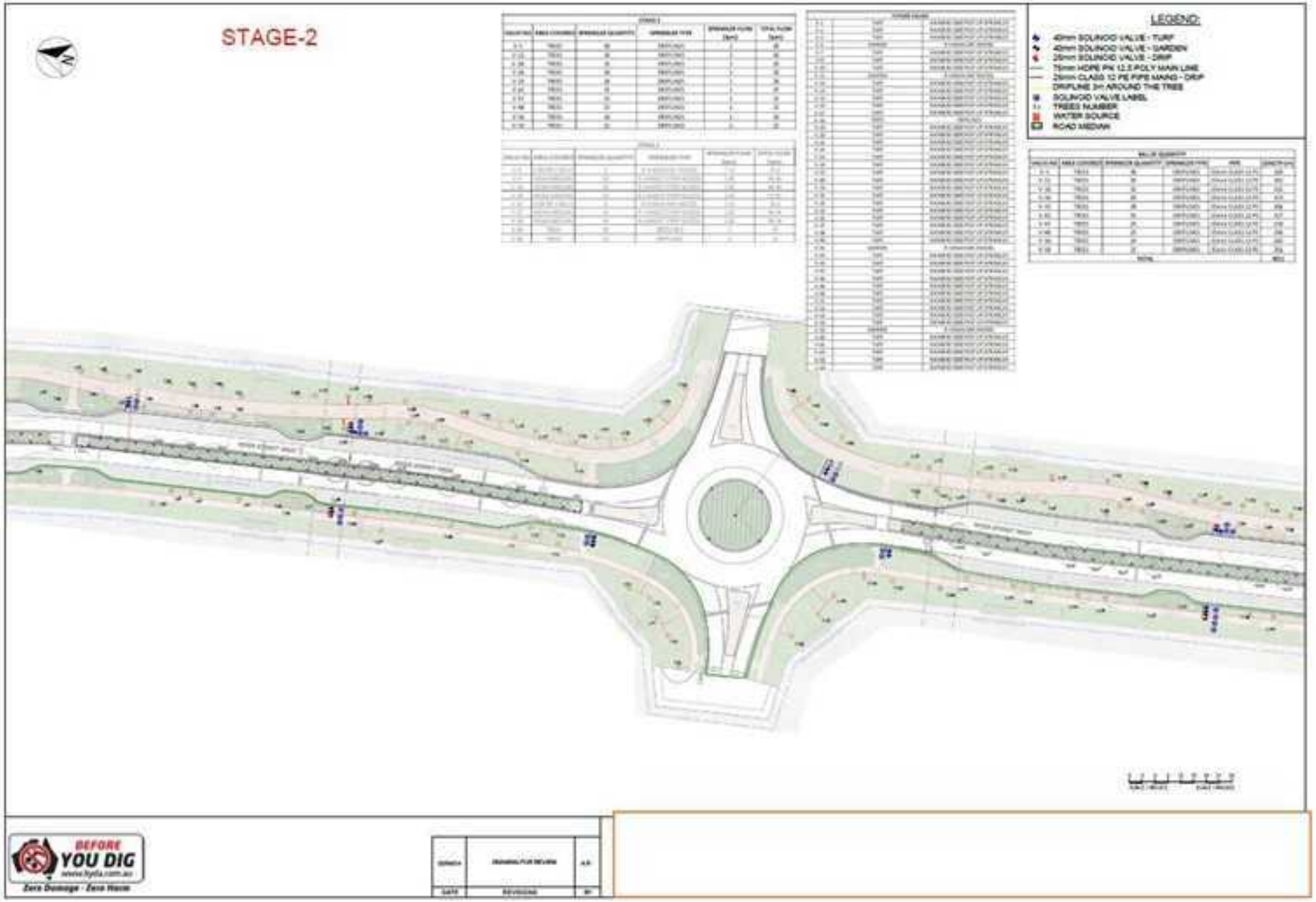


Sample Outputs

Median and Road Landscape – Sheet Set

5 of 8

WATMOV

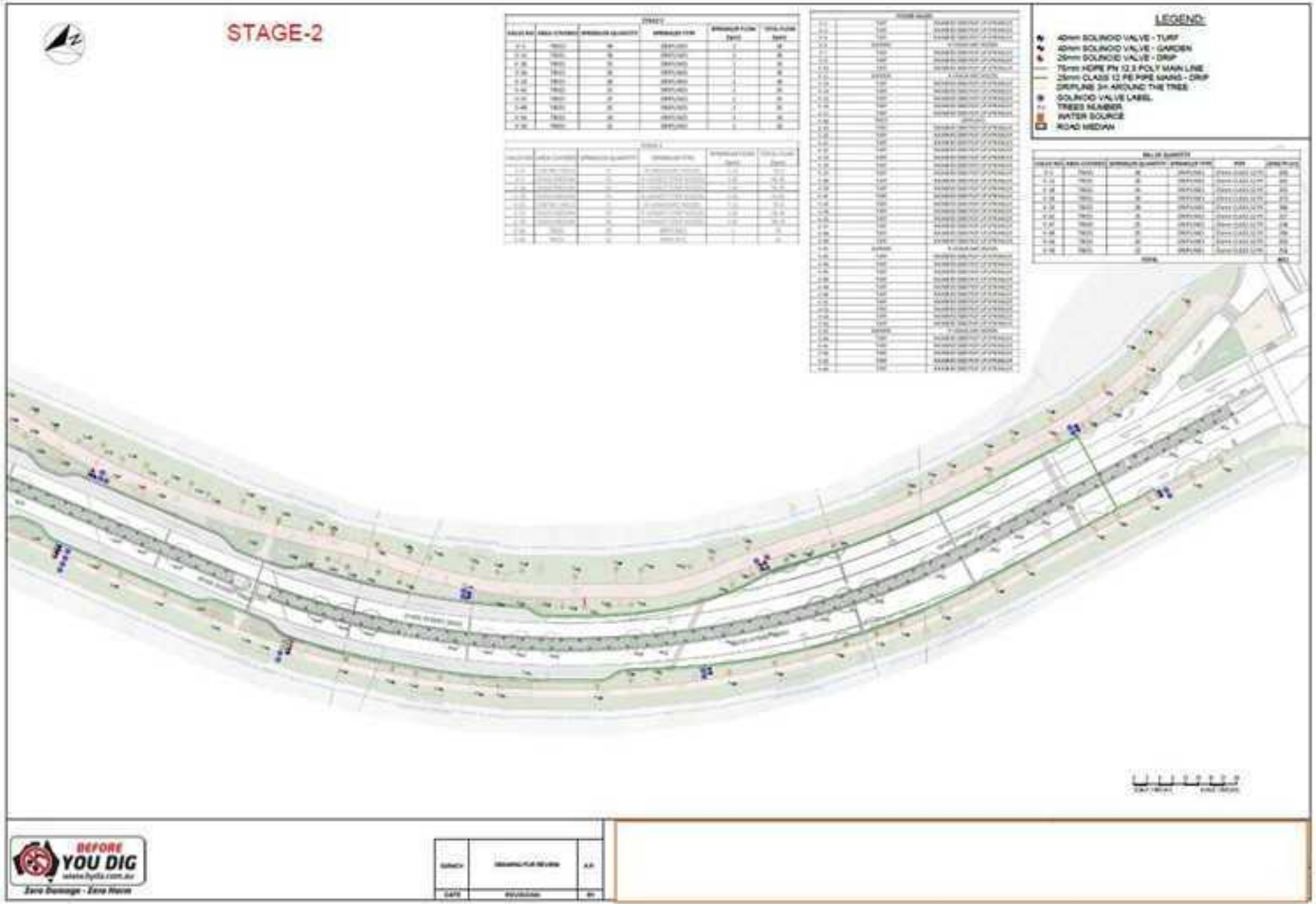


Sample Outputs

Median and Road Landscape – Sheet Set

6 of 8

WATMOV



Sample Outputs

Median and Road Landscape – Sheet Set

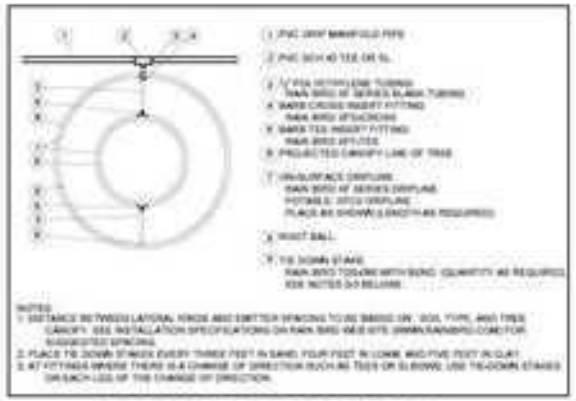
7 of 8

WATMOV

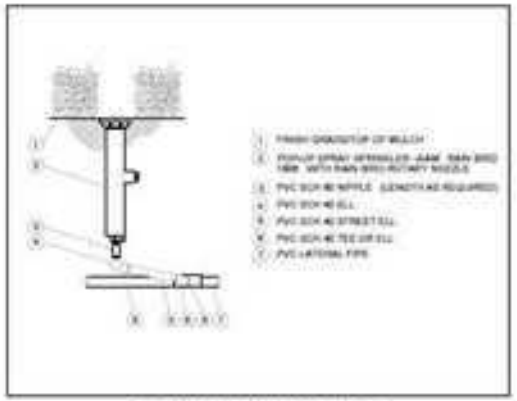
Sample Outputs

Median and Road Landscape – Sheet Set

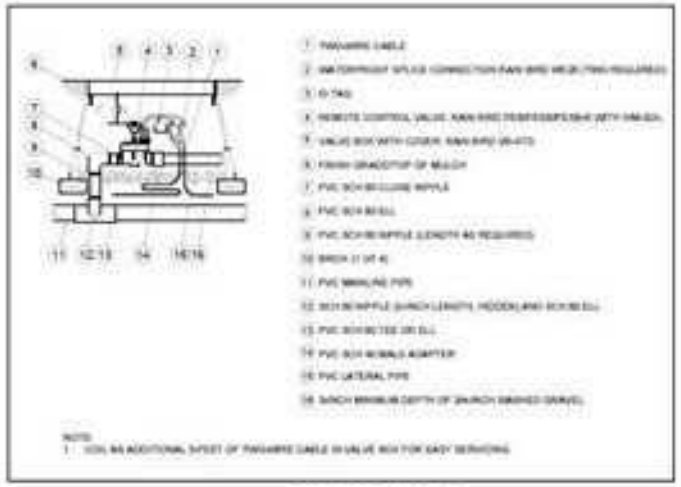
DETAILS OF SPRINKLERS AND VALVES



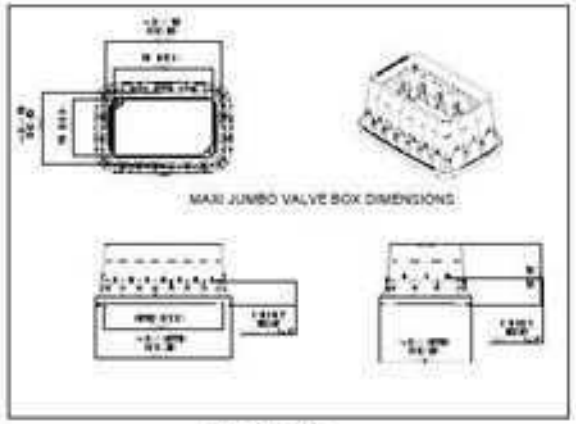
SURFACE DRIPLINE AROUND TREE



R-VAN ROTARY NOZZLE

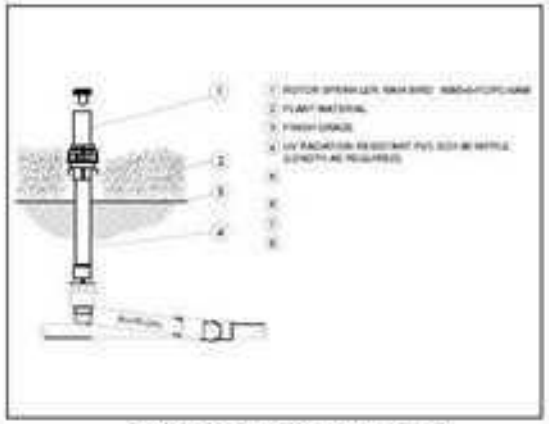


SOLINOID VALVE



MAXI JUMBO VALVE BOX DIMENSIONS

VALVE BOX



ROTOR POP-UP SPRINKLER 5000

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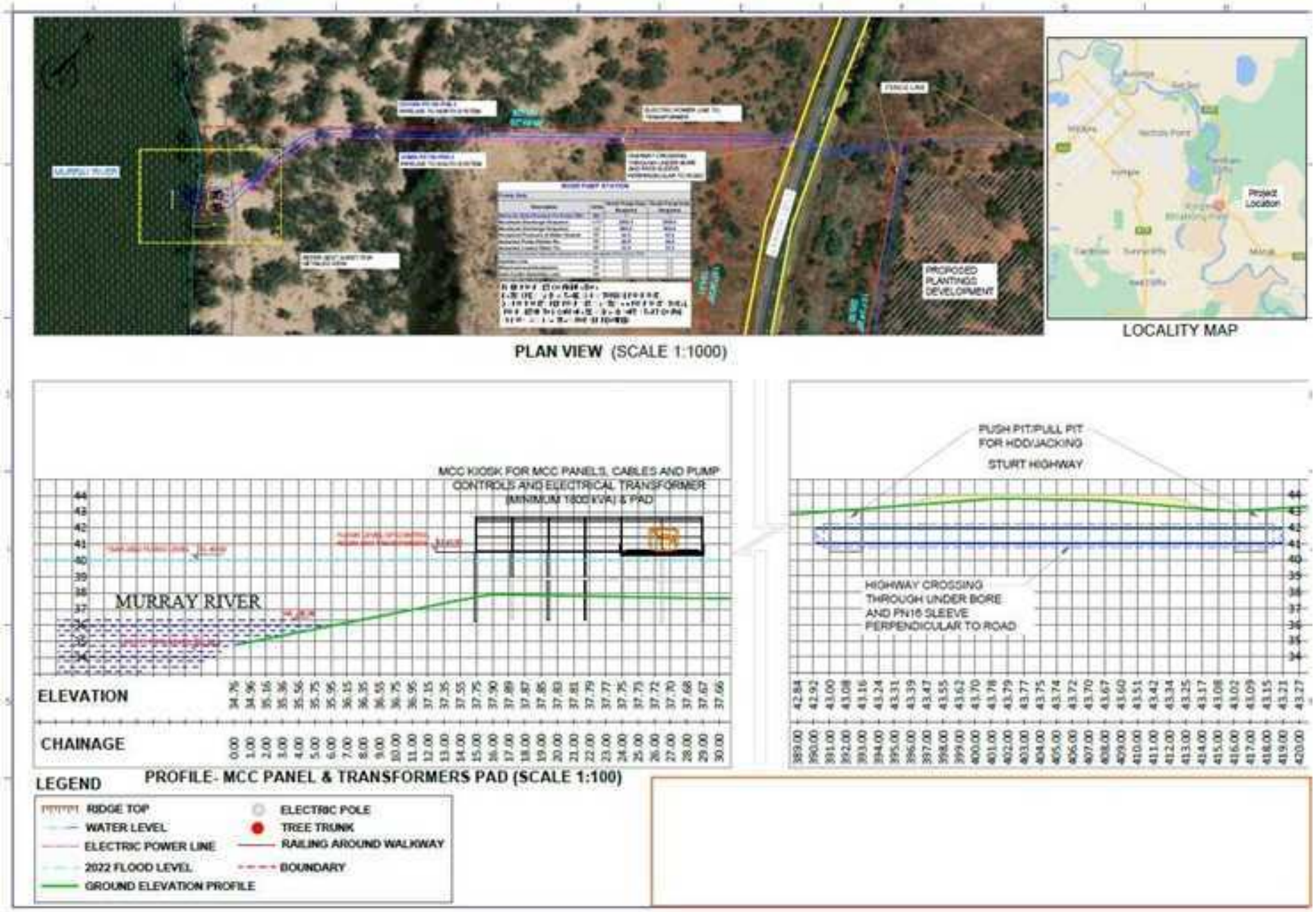
Sample Outputs

Pump Station and Alignment Proposal – Sheet Set 1 of 2



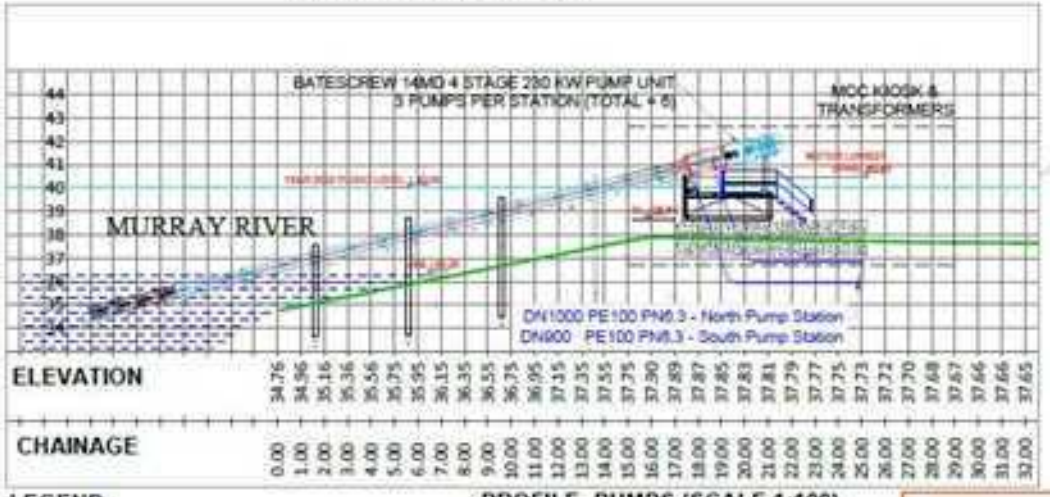
WATMOV

Sample Outputs

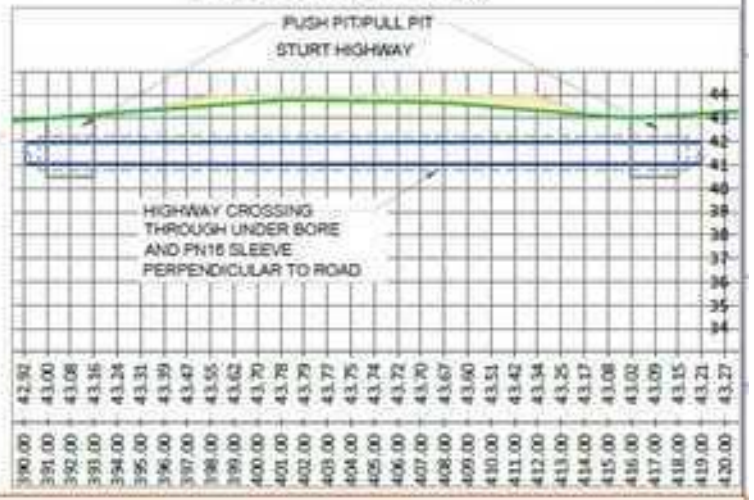
Pump Station and Alignment Proposal – Sheet Set 2 of 2

PLAN VIEW (SCALE 1:200)

PLAN VIEW (SCALE 1:1000)



PROFILE- PUMPS (SCALE 1:100)



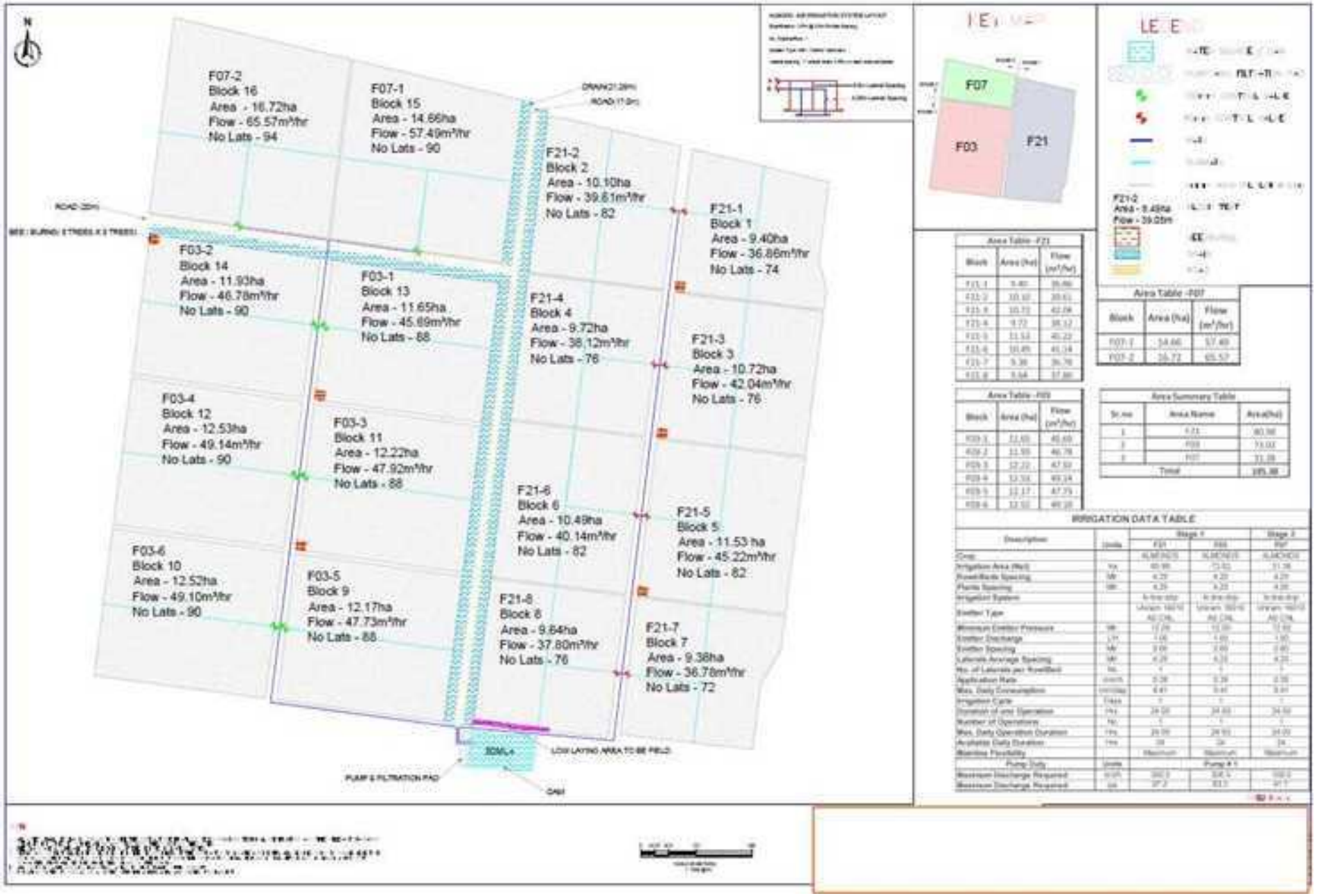
LEGEND

- RIDGE TOP
- WATER LEVEL
- ELECTRIC POWER LINE
- 2022 FLOOD LEVEL
- GROUND ELEVATION PROFILE
- ELECTRIC POLE
- TREE TRUNK
- RAILING AROUND WALKWAY
- BOUNDARY

WATMOV

Sample Outputs

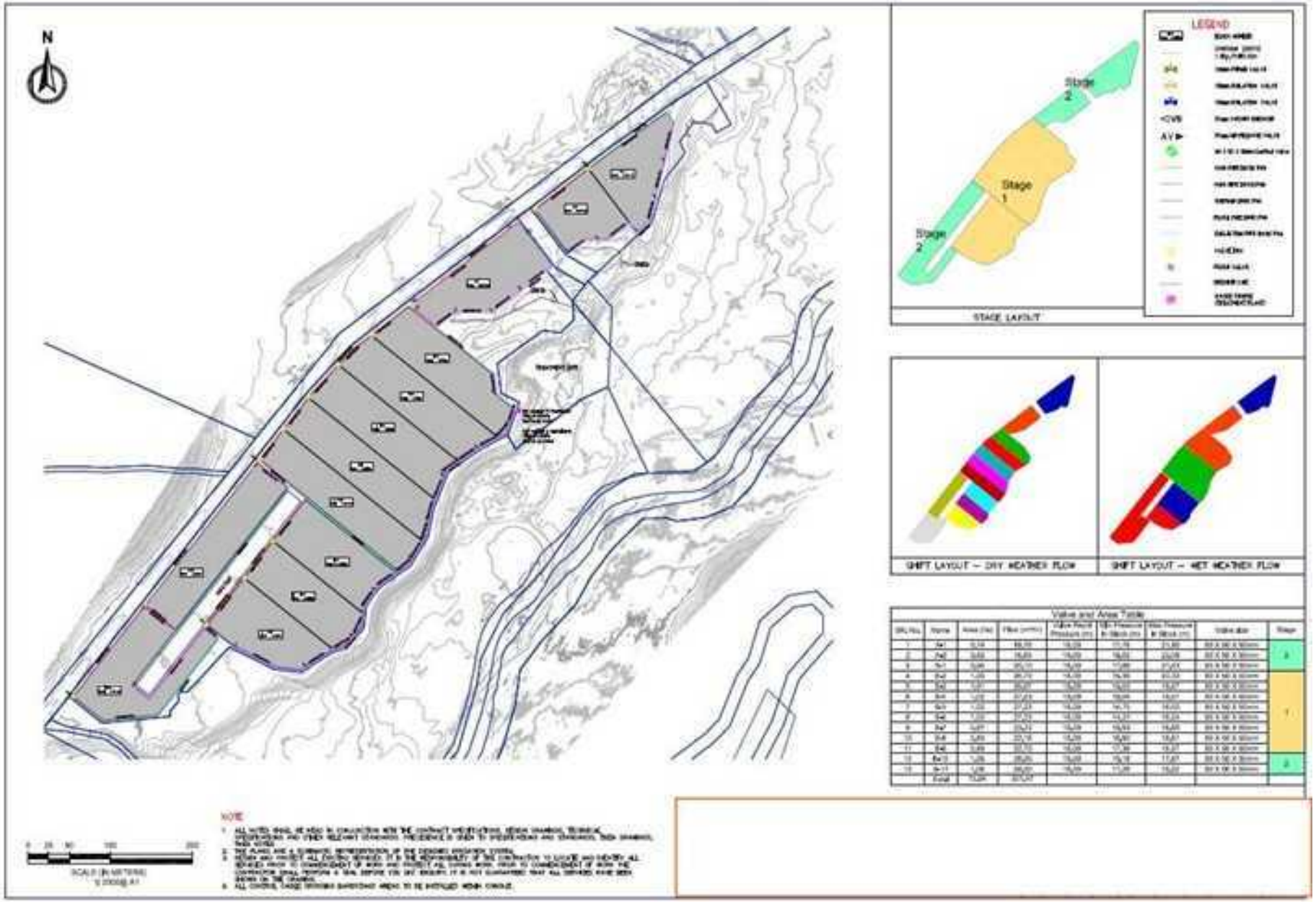
Drip Design Plan



Sample Outputs

Drip Design Plan

WATMOV

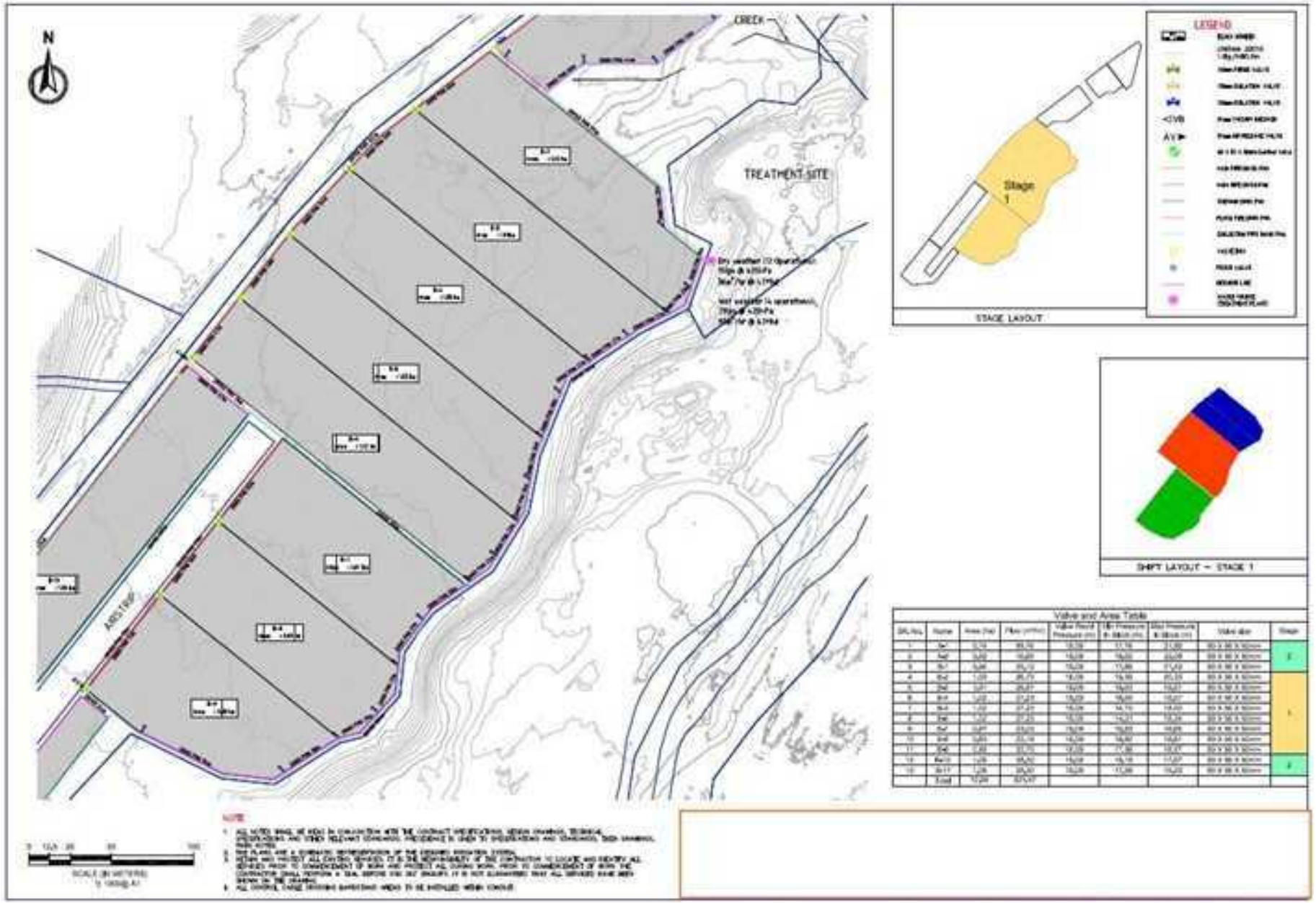


Sample Outputs

Drip Design Plan – Sheet Set 1 of 8

WATMOV®

Sample Outputs

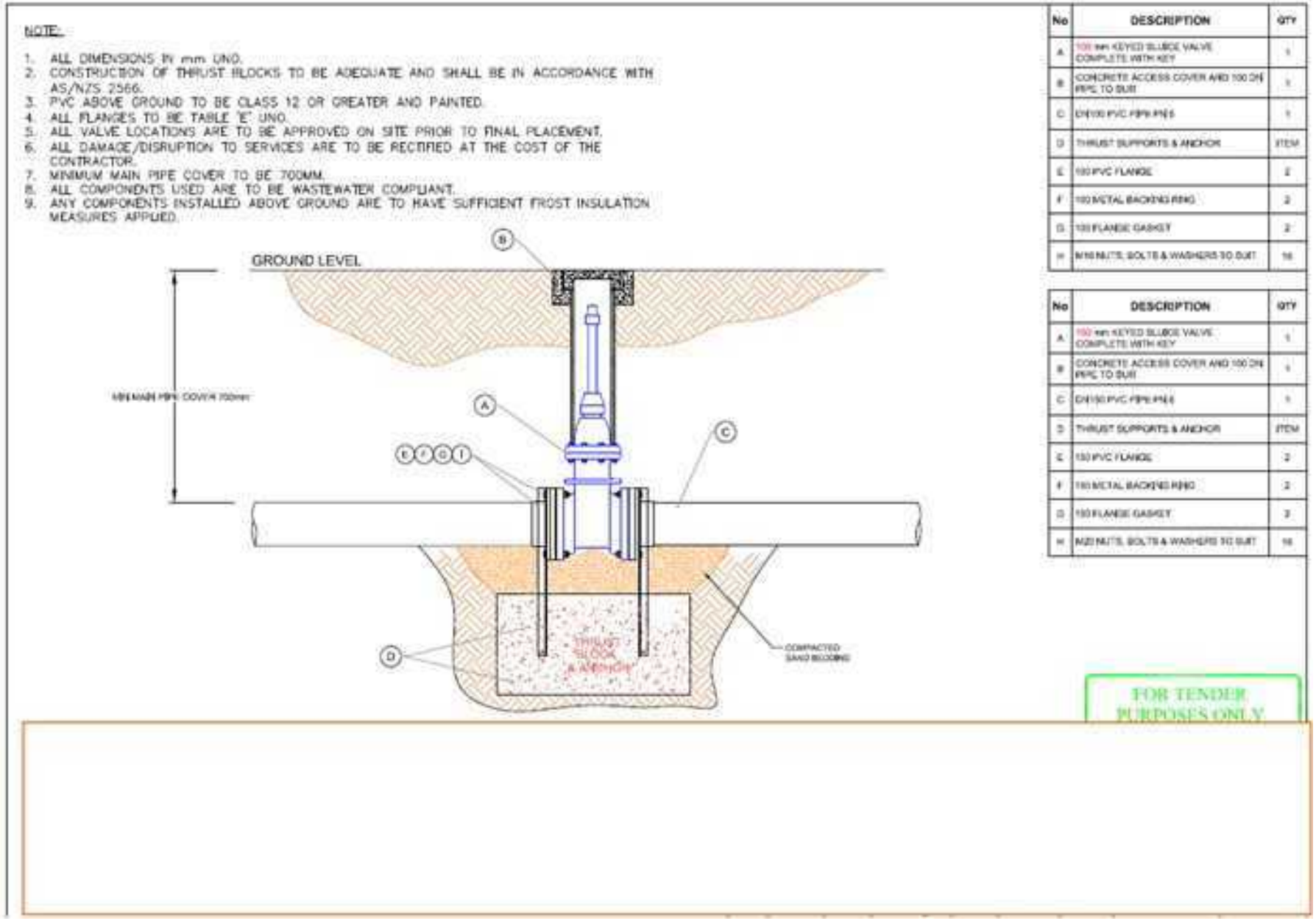


Drip Design Plan – Sheet Set 2 of 8

WATMOV

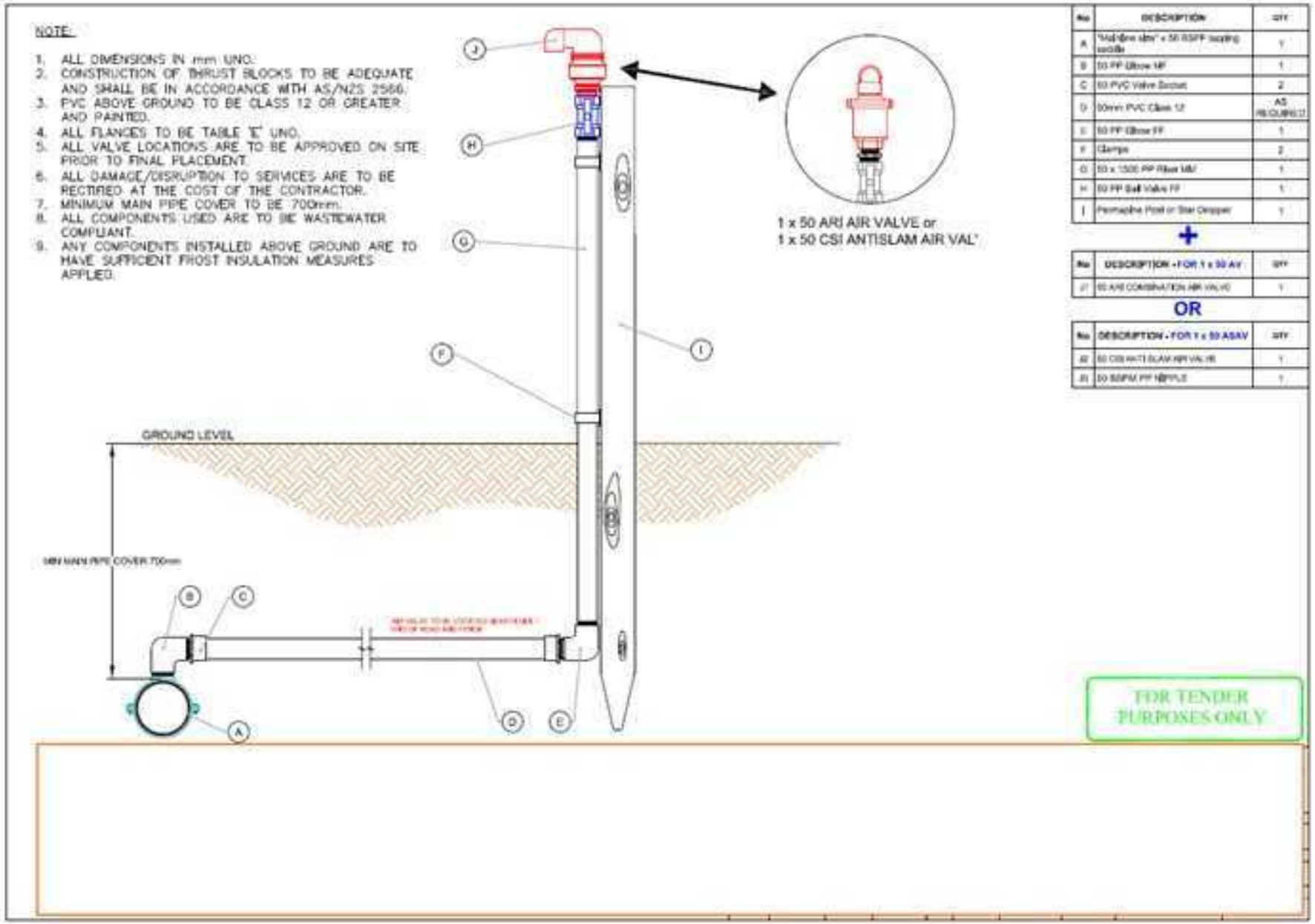
Sample Outputs

Drip Design Plan – Sheet Set 3 of 8



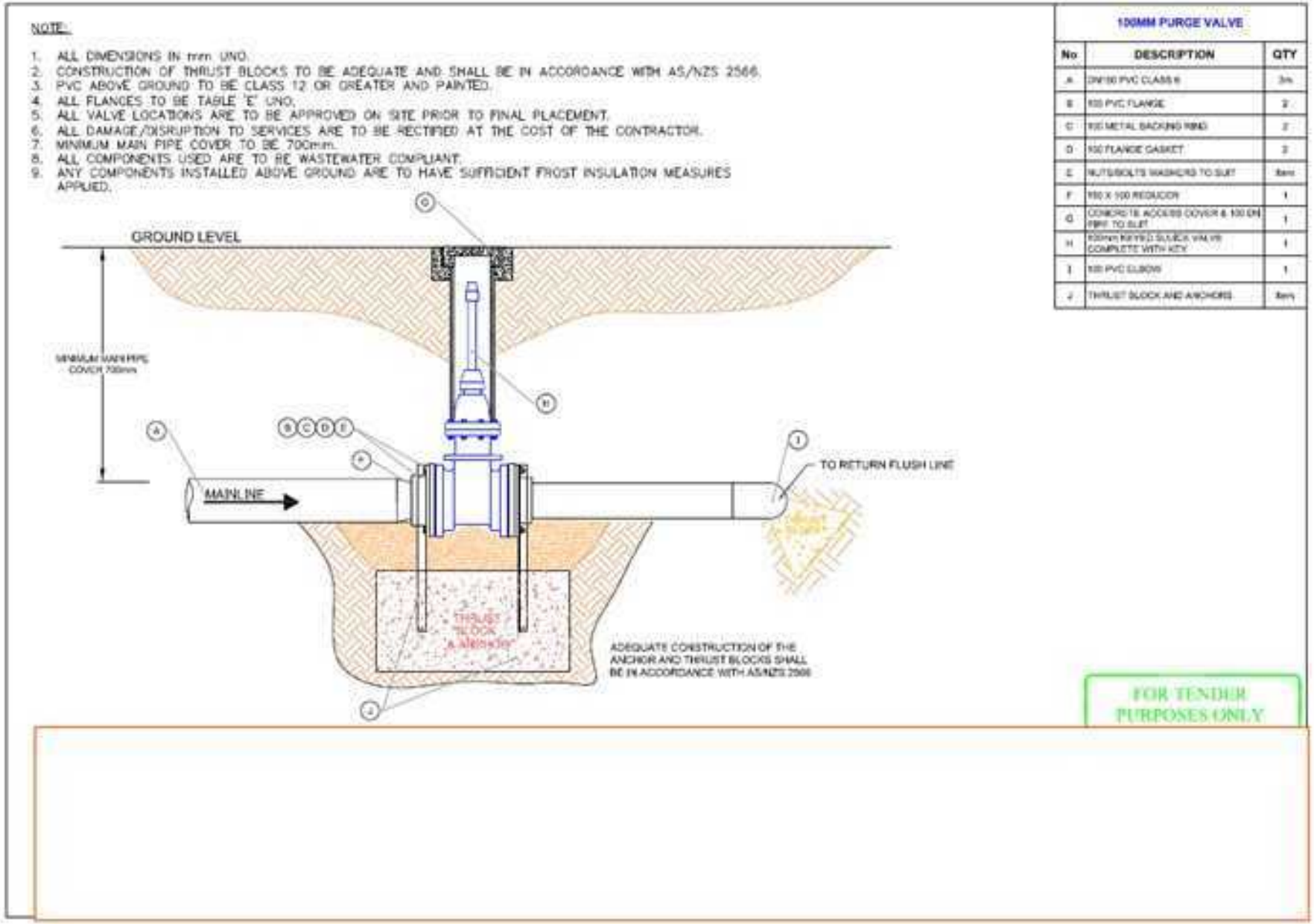
Sample Outputs

Drip Design Plan – Sheet Set 4 of 8



Sample Outputs

Drip Design Plan – Sheet Set 5 of 8



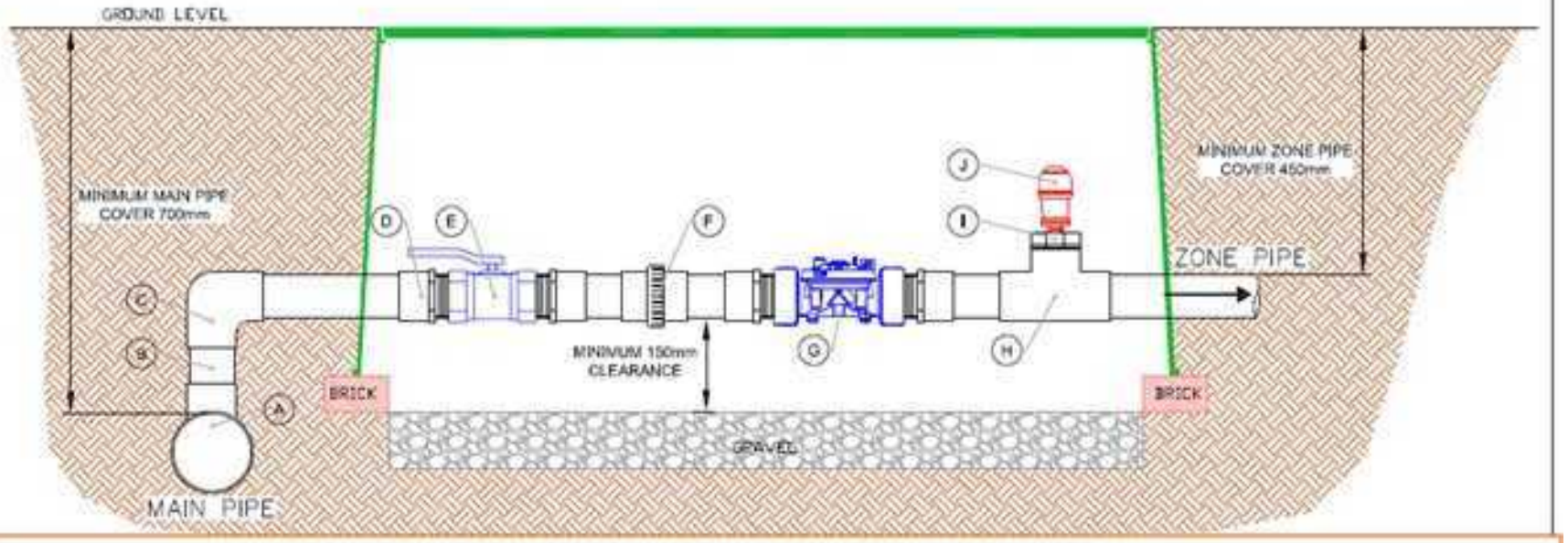
Sample Outputs

Drip Design Plan – Sheet Set 6 of 8

NOTE:

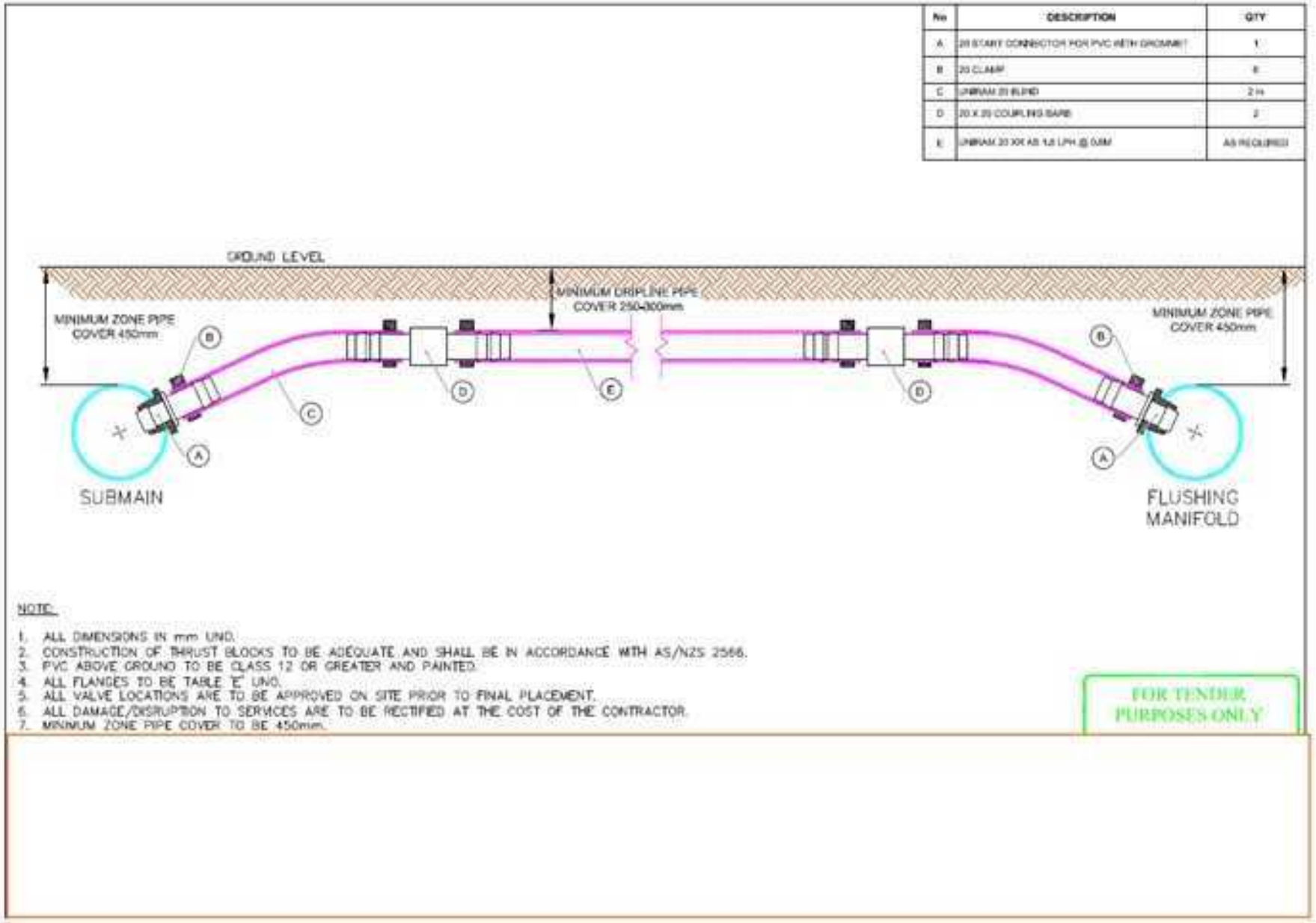
1. ALL DIMENSIONS IN mm UNO.
2. CONSTRUCTION OF THRUST BLOCKS TO BE ADEQUATE AND SHALL BE IN ACCORDANCE WITH AS/NZS 2566.
3. PVC ABOVE GROUND TO BE CLASS 12 OR GREATER AND PAINTED.
4. ALL FLANGES TO BE TABLE 'E' UNO.
5. ALL VALVE LOCATIONS ARE TO BE APPROVED ON SITE PRIOR TO FINAL PLACEMENT.
6. ALL DAMAGE/DISRUPTION TO SERVICES ARE TO BE RECTIFIED AT THE COST OF THE CONTRACTOR.
7. MINIMUM ZONE PIPE COVER TO BE 450mm.
8. MINIMUM MAIN PIPE COVER TO BE 700mm.
8. ALL COMPONENTS USED ARE TO BE WASTEWATER COMPLIANT.
9. ANY COMPONENTS INSTALLED ABOVE GROUND ARE TO HAVE SUFFICIENT FROST INSULATION MEASURES APPLIED.
10. TOBY BOX TO WITHSTAND AGRICULTURAL TRAFFIC LOADS AND PROVIDE FROST PROTECTION TO VALVES. DESIGN OR TYPE TO BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

No	DESCRIPTION	QTY
A	DN150 / DN100 X DN65 PCV TEE	1
B	65 PVC CLASS 12	1.5 m
C	65 PVC ELBOW	1
D	65 VALVE SOCKET ADAPTOR 65PM THREADED	4
E	65MM PP BALL VALVE THREADED FF	1
F	65 BARREL UNION	1
G	65X50MM CONTROL VALVE C/W AUTOMATION SOLENOID	1
H	DN80 X DN50 PVC REDUCING TEE	1
I	50 PVC X 25 BSPP FAUCET ADAPTOR	1
J	75MM EMTK VACUUM BREAKER (25 BSPM THREADED)	1



Sample Outputs

Drip Design Plan – Sheet Set 7 of 8



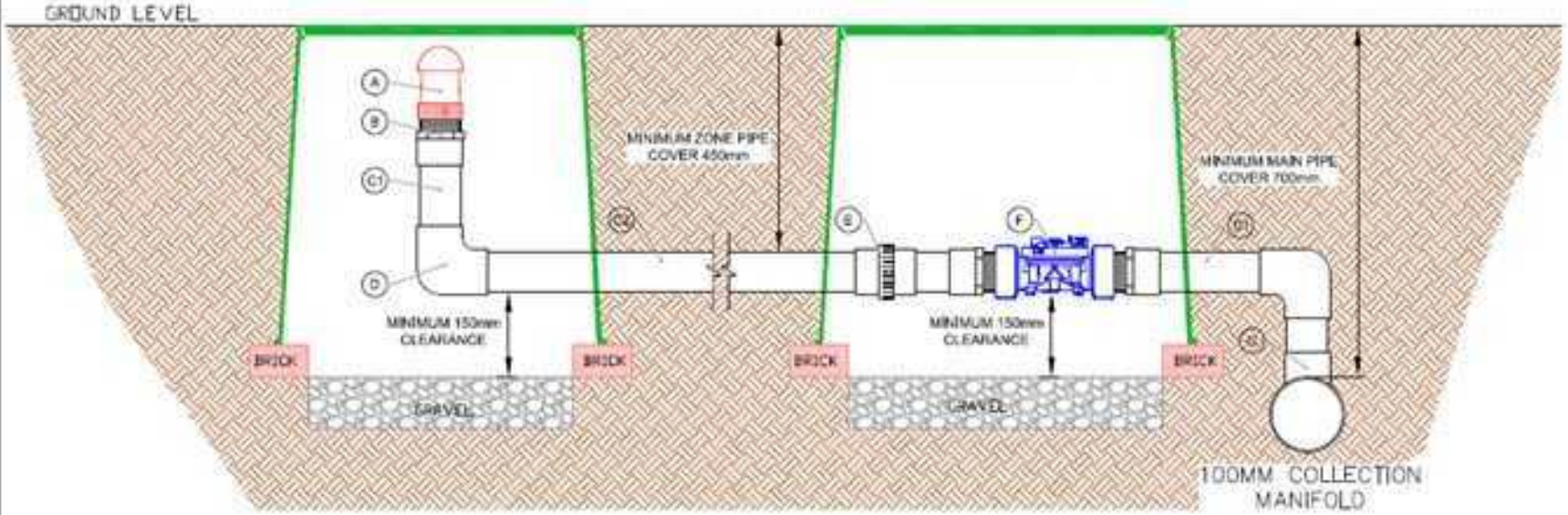
WATMOV

Sample Outputs

NOTE:

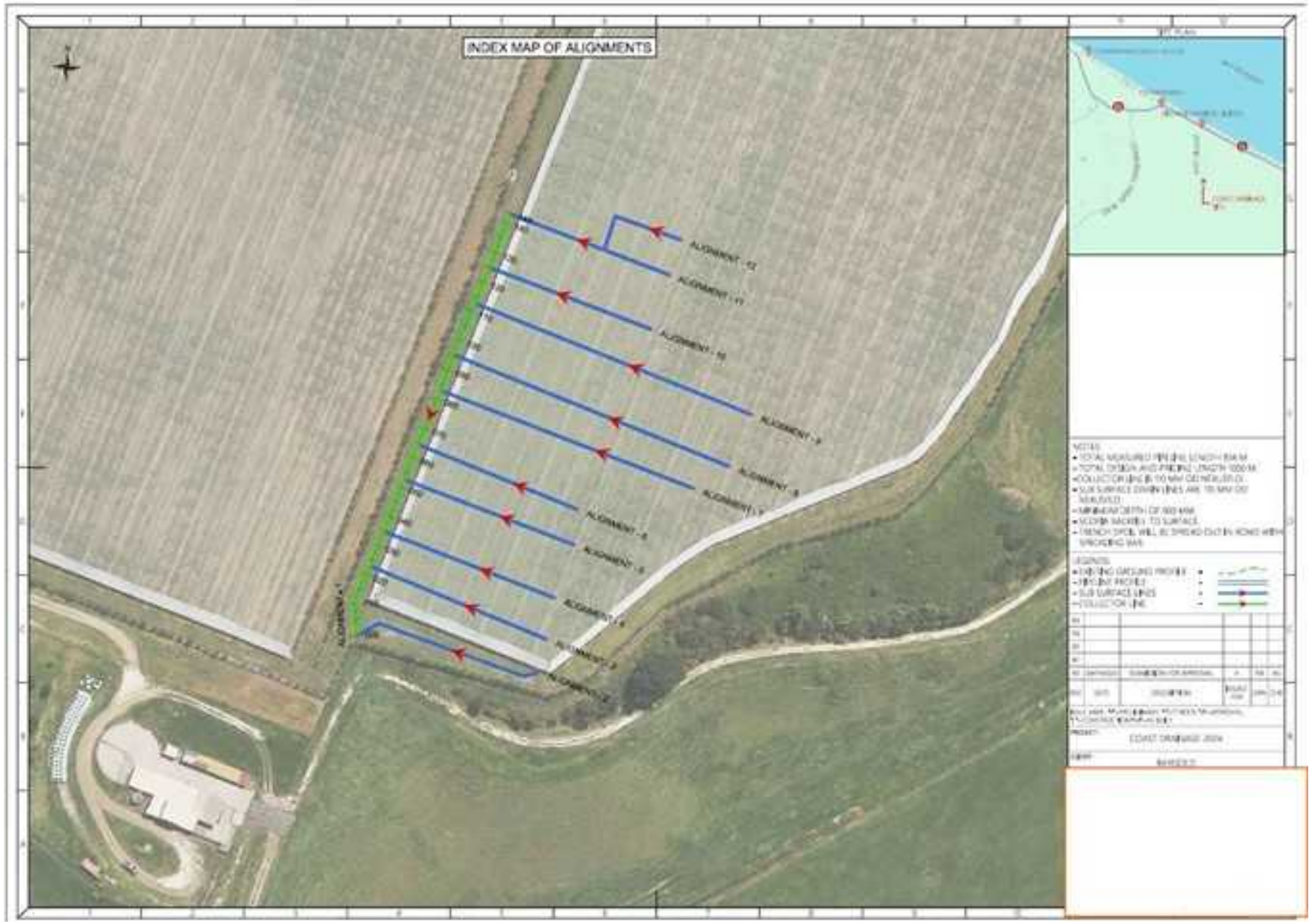
1. ALL DIMENSIONS IN mm UNO.
2. CONSTRUCTION OF THRUST BLOCKS TO BE ADEQUATE AND SHALL BE IN ACCORDANCE WITH AS/NZS 2566.
3. PVC ABOVE GROUND TO BE CLASS 12 OR GREATER AND PAINTED.
4. ALL FLANGES TO BE TABLE 'E' UNO.
5. ALL VALVE LOCATIONS ARE TO BE APPROVED ON SITE PRIOR TO FINAL PLACEMENT.
6. ALL DAMAGE/DISRUPTION TO SERVICES ARE TO BE RECTIFIED AT THE COST OF THE CONTRACTOR.
7. MINIMUM ZONE PIPE COVER TO BE 450mm.
8. MINIMUM MAIN PIPE COVER TO BE 700mm.
9. ALL COMPONENTS USED ARE TO BE WASTEWATER COMPLIANT.
9. ANY COMPONENTS INSTALLED ABOVE GROUND ARE TO HAVE SUFFICIENT FROST INSULATION MEASURES APPLIED.
10. TOBY BOX TO WITHSTAND AGRICULTURAL TRAFFIC LOADS AND PROVIDE FROST PROTECTION TO VALVES. DESIGN OR TYPE TO BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

No	DESCRIPTION	QTY
A	50MM AIR VACUUM / RELEASE VALVE (50 BSPF)	1
B	50 PVC X 50 BMPM VALVE SOCKET	3
C1	50 PVC CLASS 12	1 m
C2	50 PVC CLASS 9	AS REQUIRED
D	50 PVC ELBOW	2
E	50 BARREL UNION	1
F	50X50MM ELECTRIC CONTROL VALVE C/W AUTOMATION SOLENOID	AS REQUIRED
G	DN100 X DN90 PVC TEE TO COLLECTION MANIFOLD	1



Drip Design Plan – Sheet Set 8 of 8

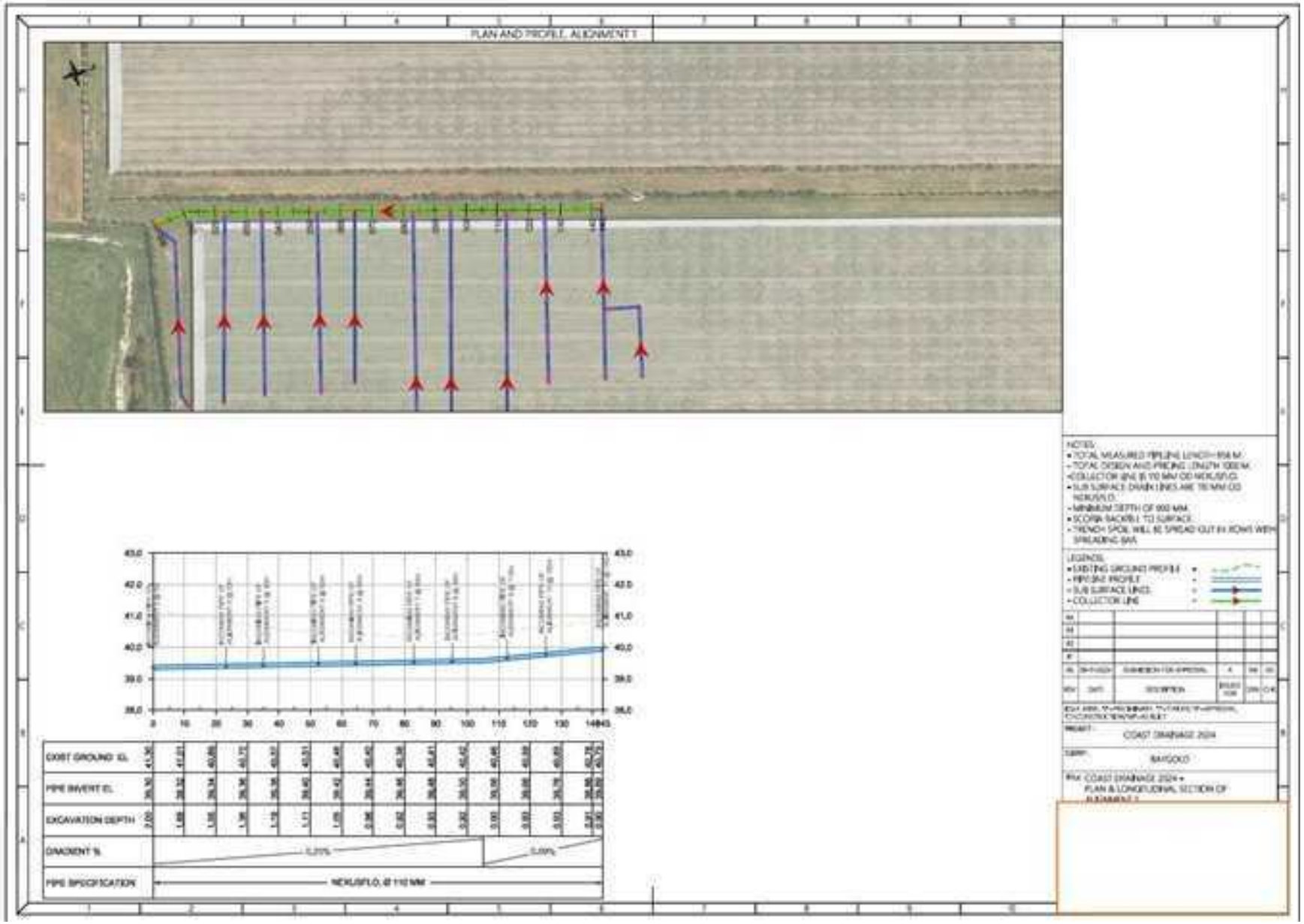
WATMOV



Sample Outputs

Field Drain – Sheet Set 1 of 3

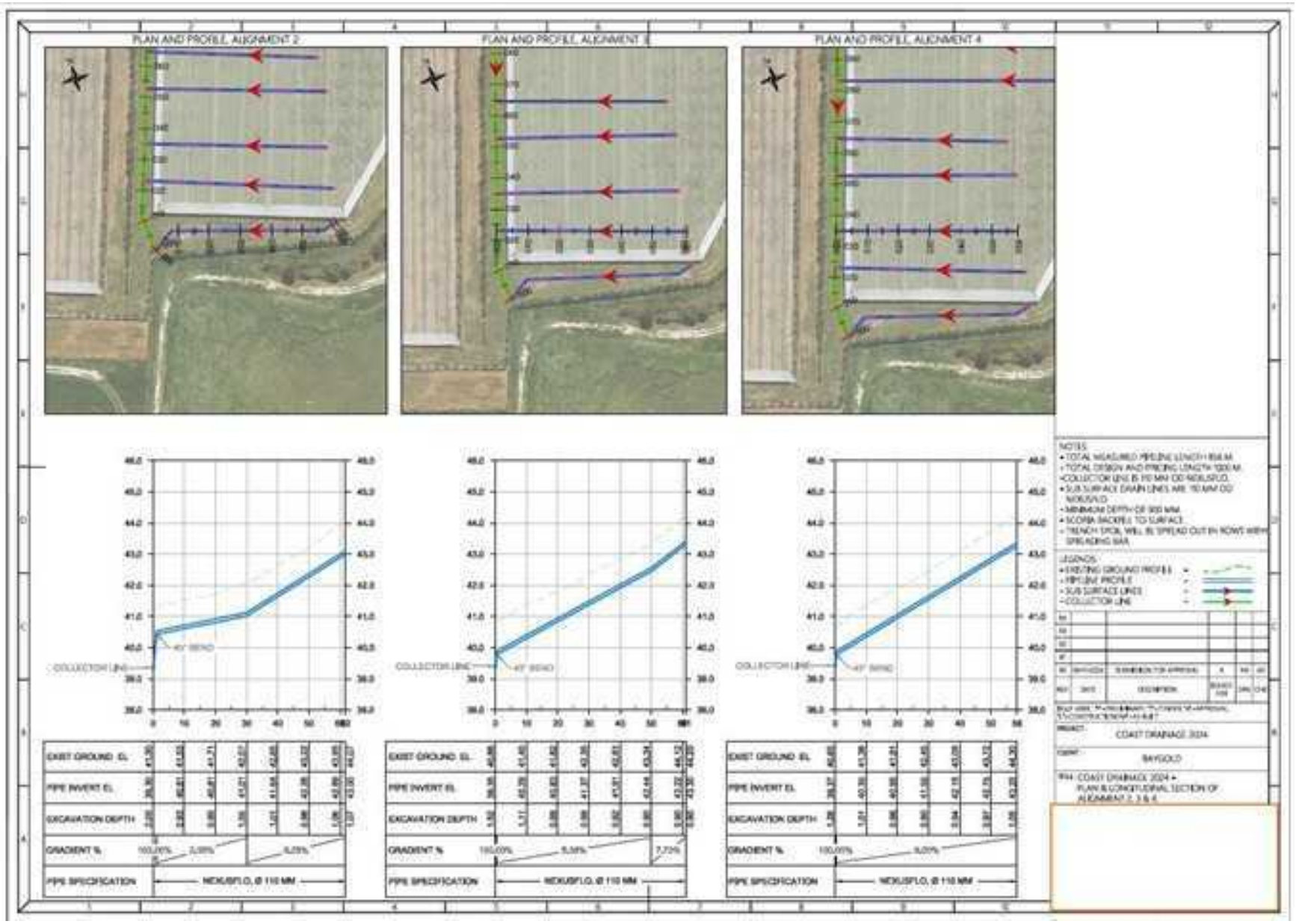
WATMOV



Sample Outputs

Field Drain – Sheet Set 2 of 3

Sample Outputs

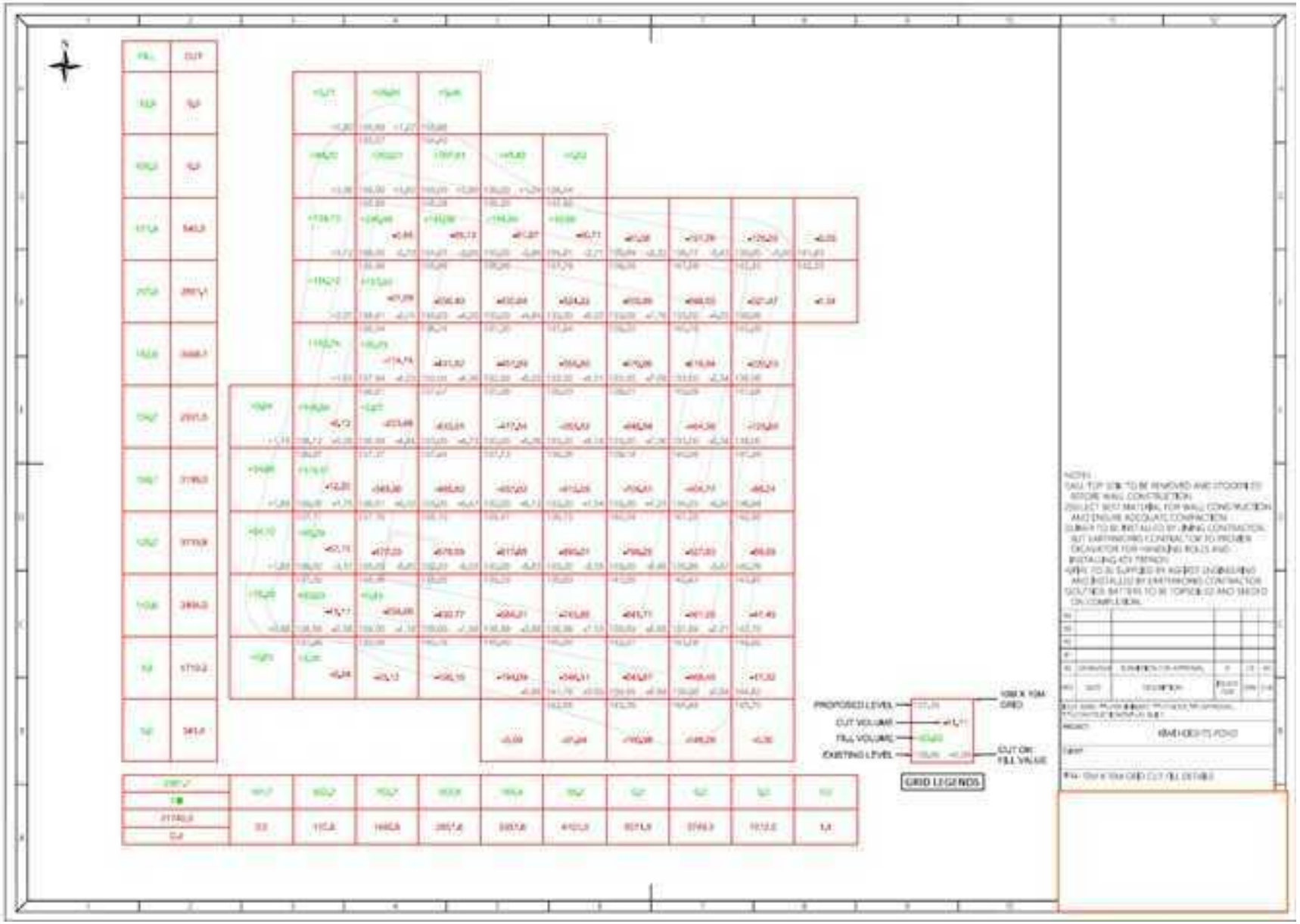


Field Drain – Sheet Set 3 of 3

Sample Outputs

Pond Design – Sheet Set 1 of 5

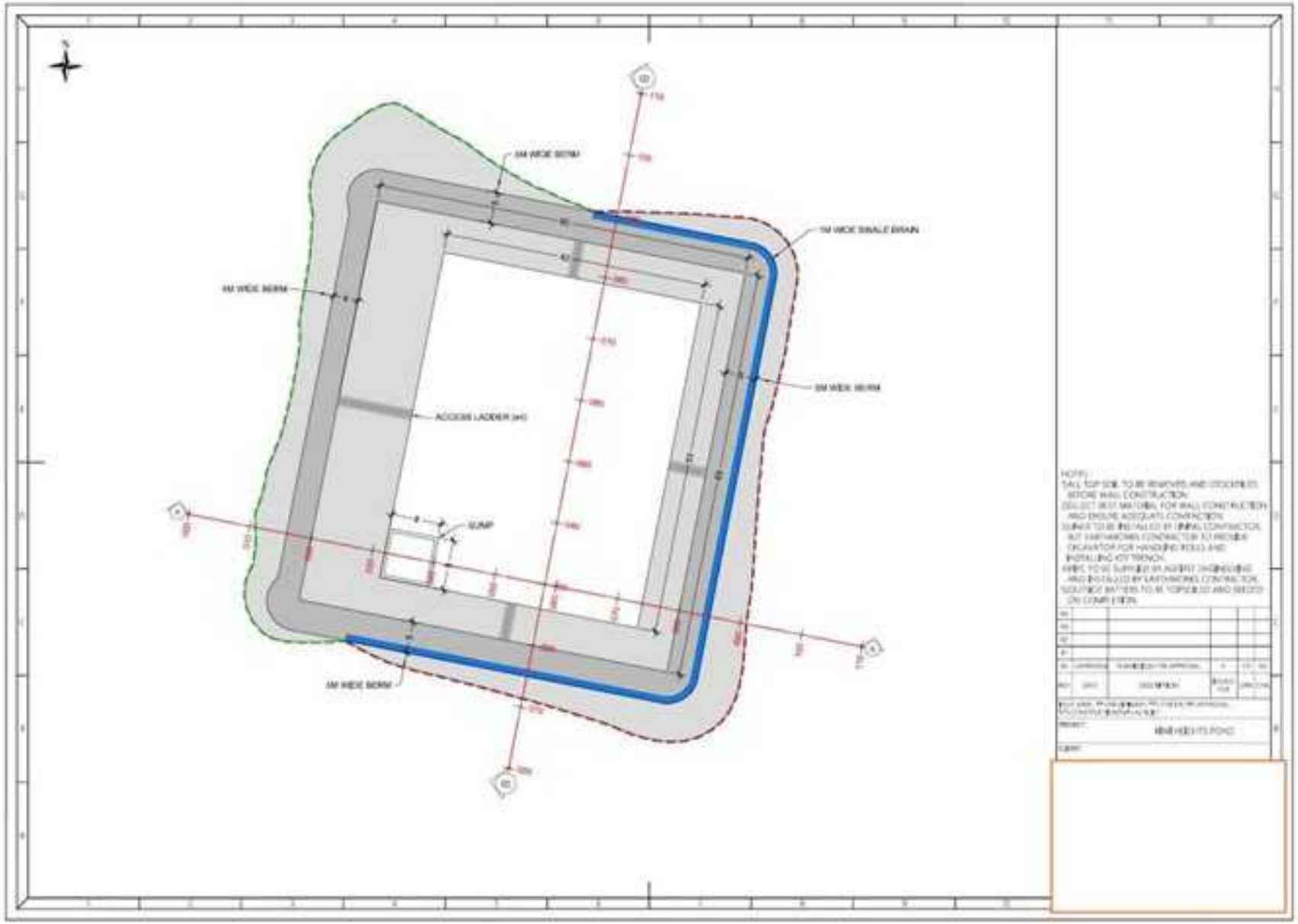
WATMOV



Sample Outputs

Pond Design – Sheet Set 2 of 5

WATMOV

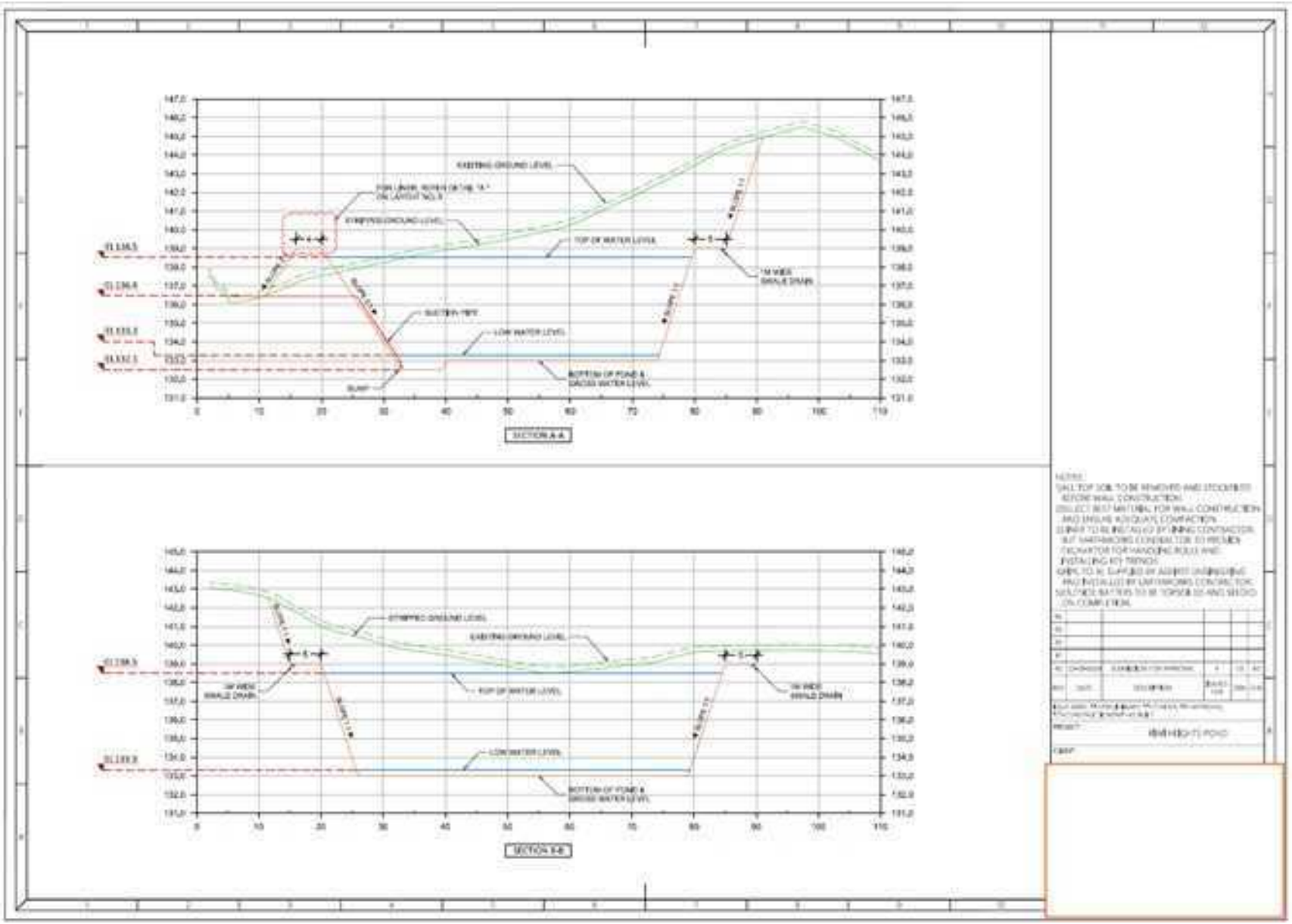


Sample Outputs

Pond Design – Sheet Set 3 of 5

WATMOV

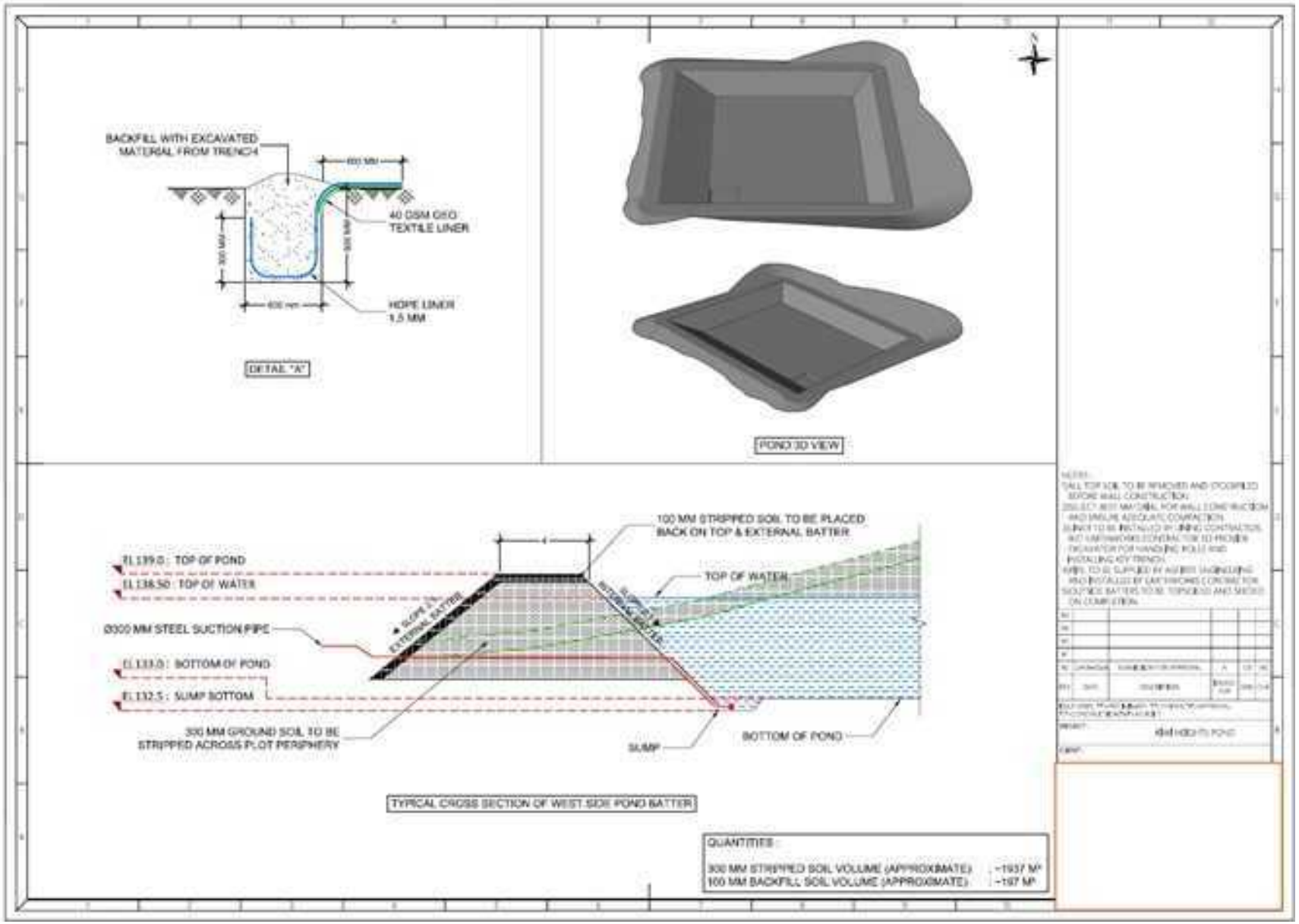
Sample Outputs



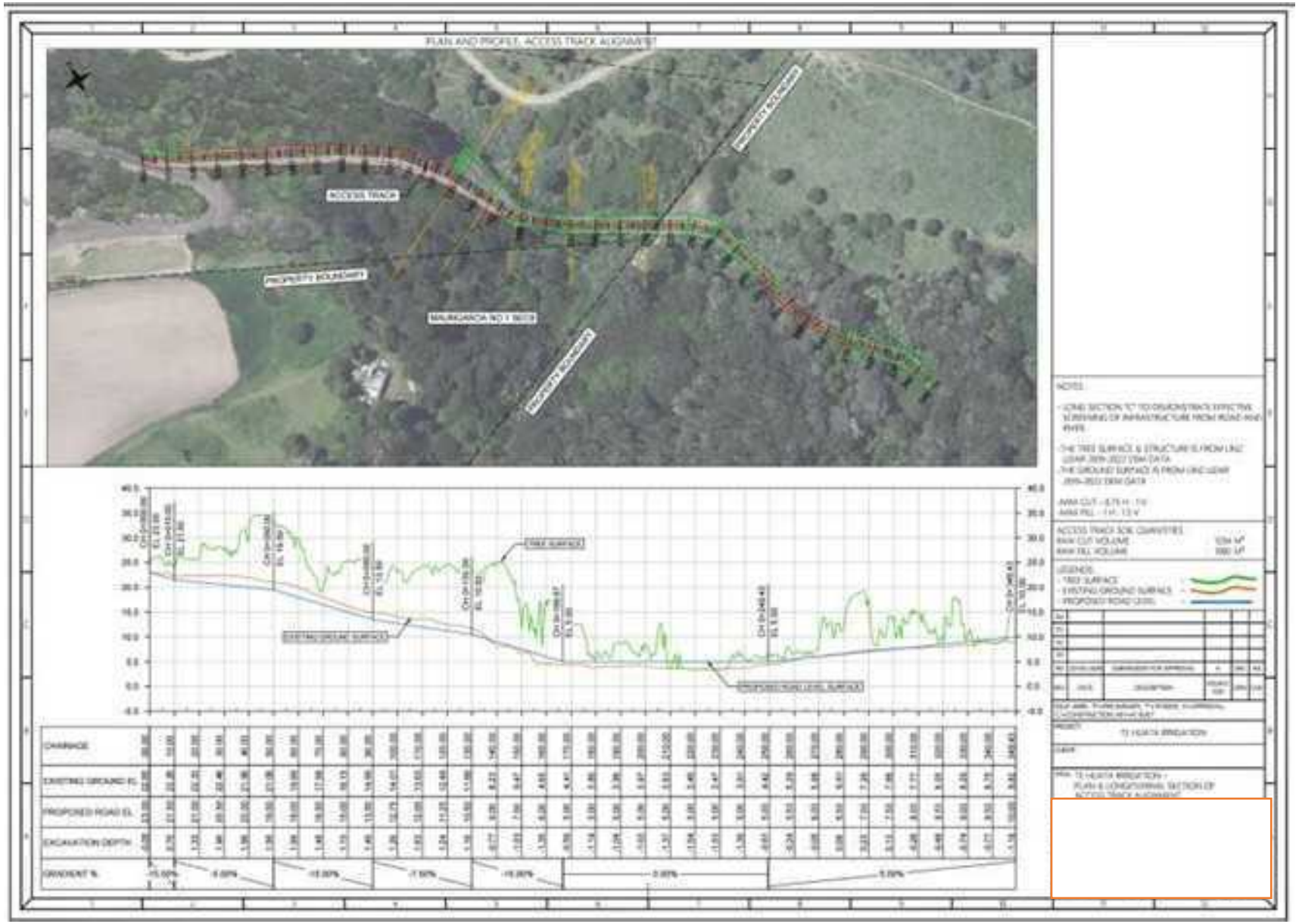
Pond Design – Sheet Set 4 of 5

WATMOV

Sample Outputs



Pond Design – Sheet Set 5 of 5



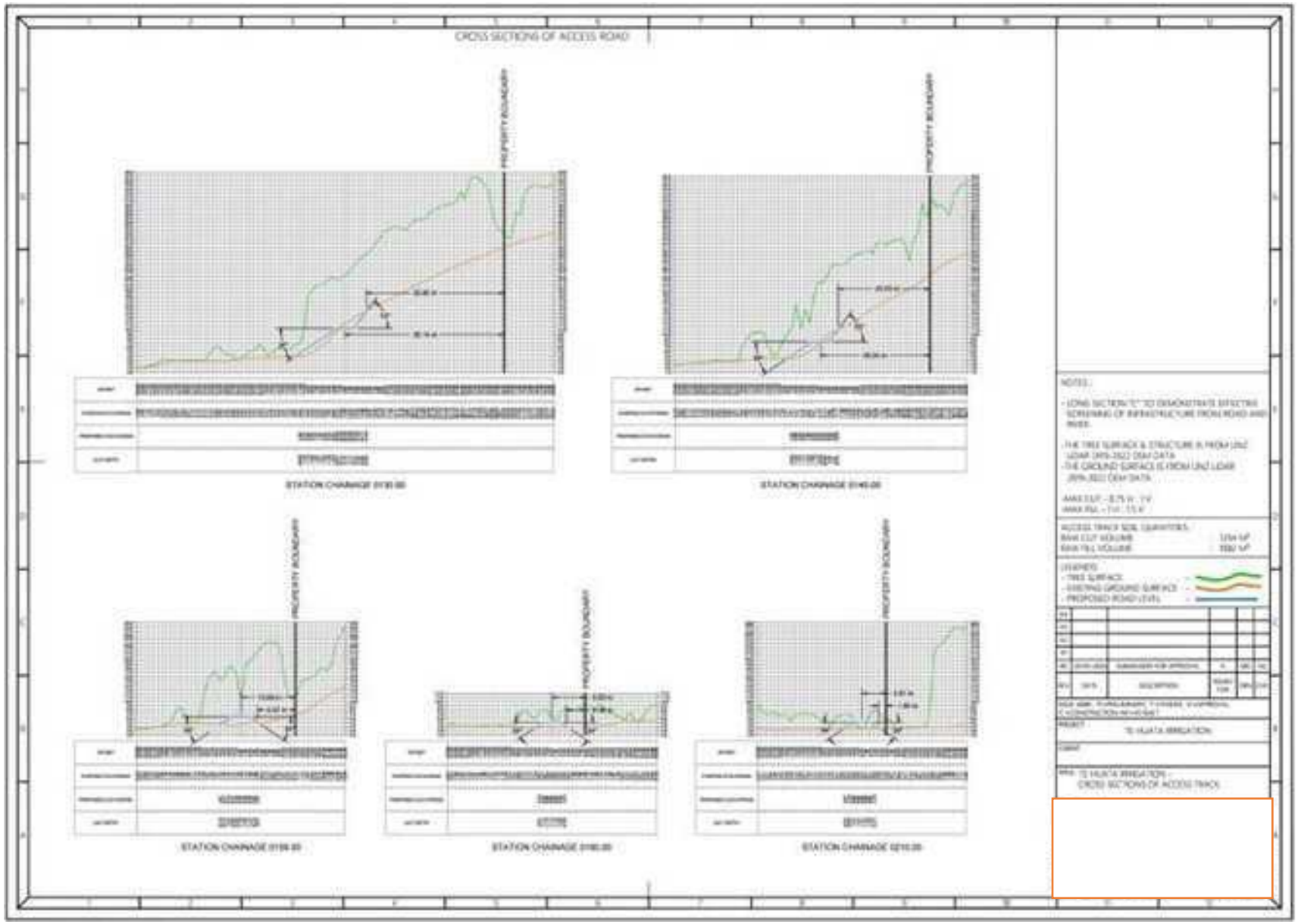
Sample Outputs

Road Design– Sheet Set 1 of 2

WATMOV

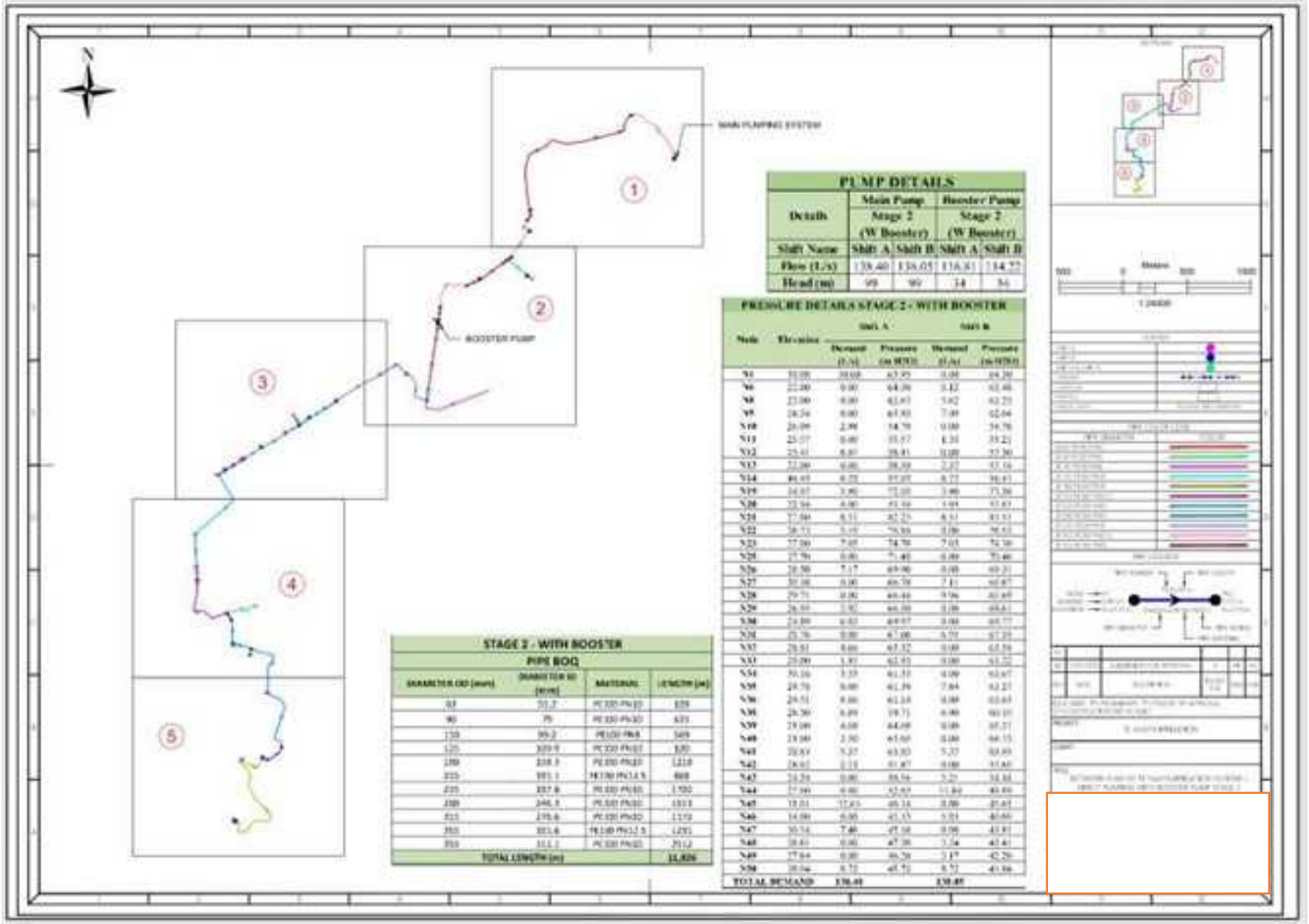
Sample Outputs

Road Design– Sheet Set 2 of 2



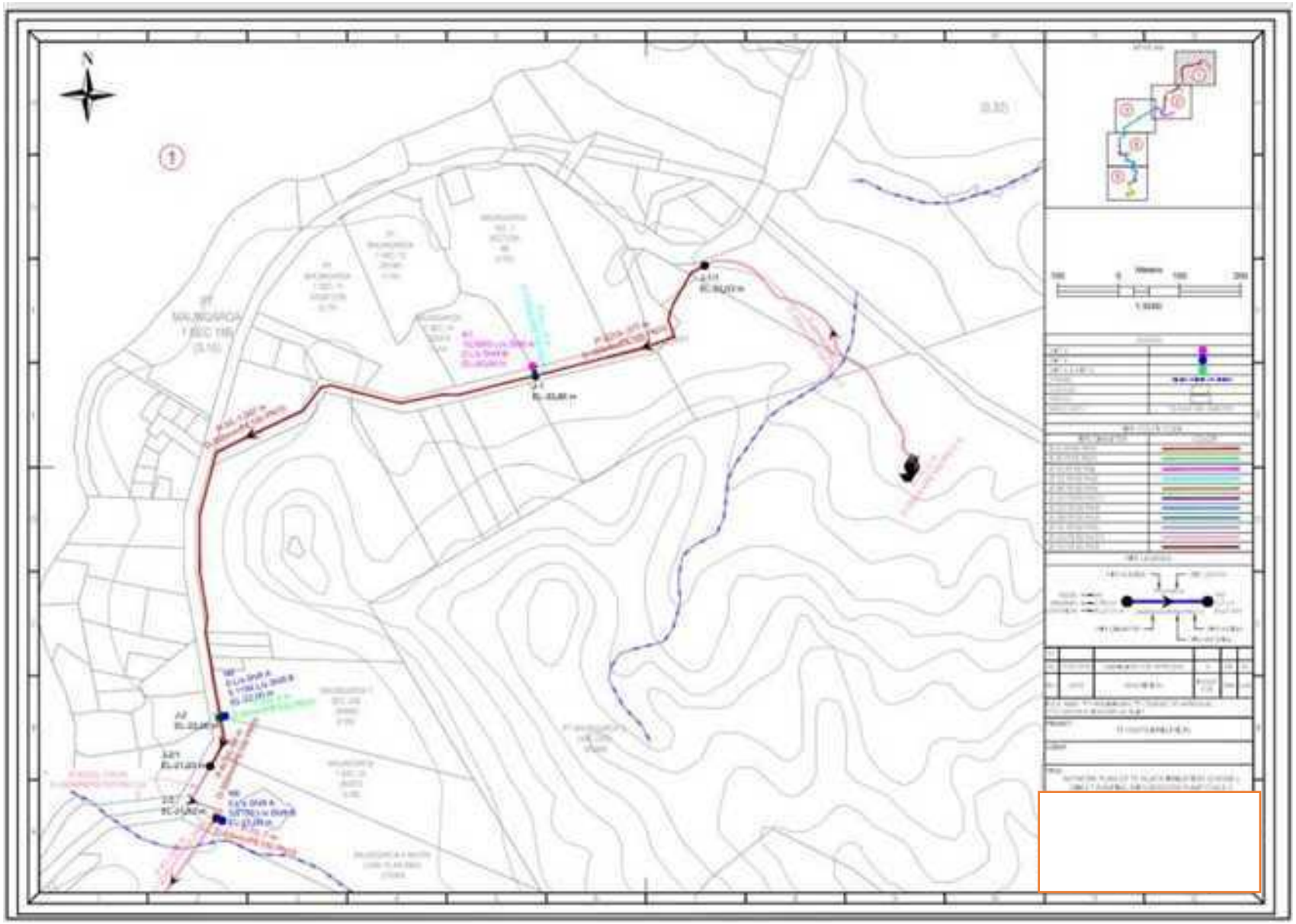
WATMOV

Sample Outputs



Bulk Water Pipeline Design– Sheet Set 1 of 6

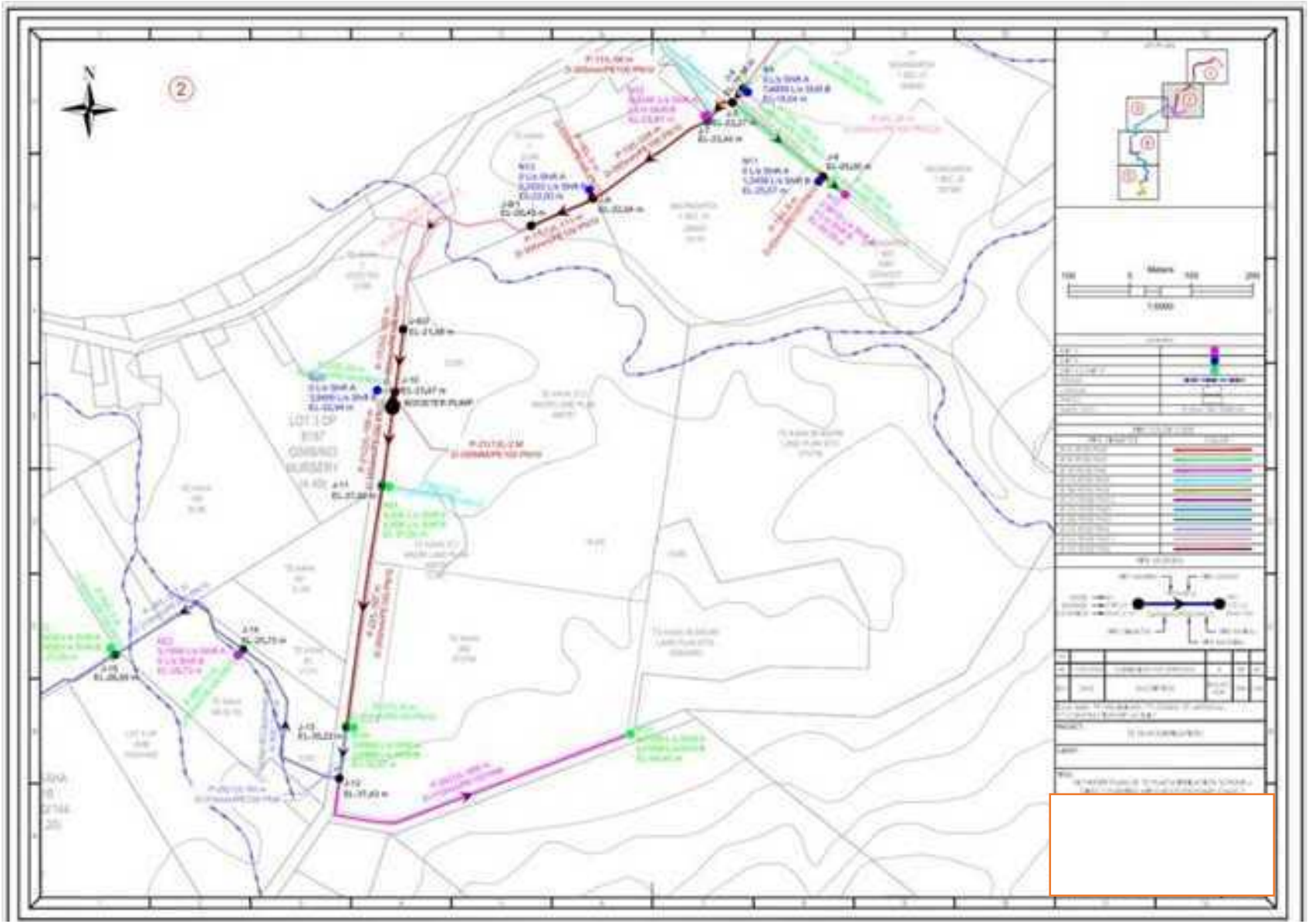
WATMOV



Sample Outputs

Bulk Water Pipeline Design– Sheet Set 2 of 6

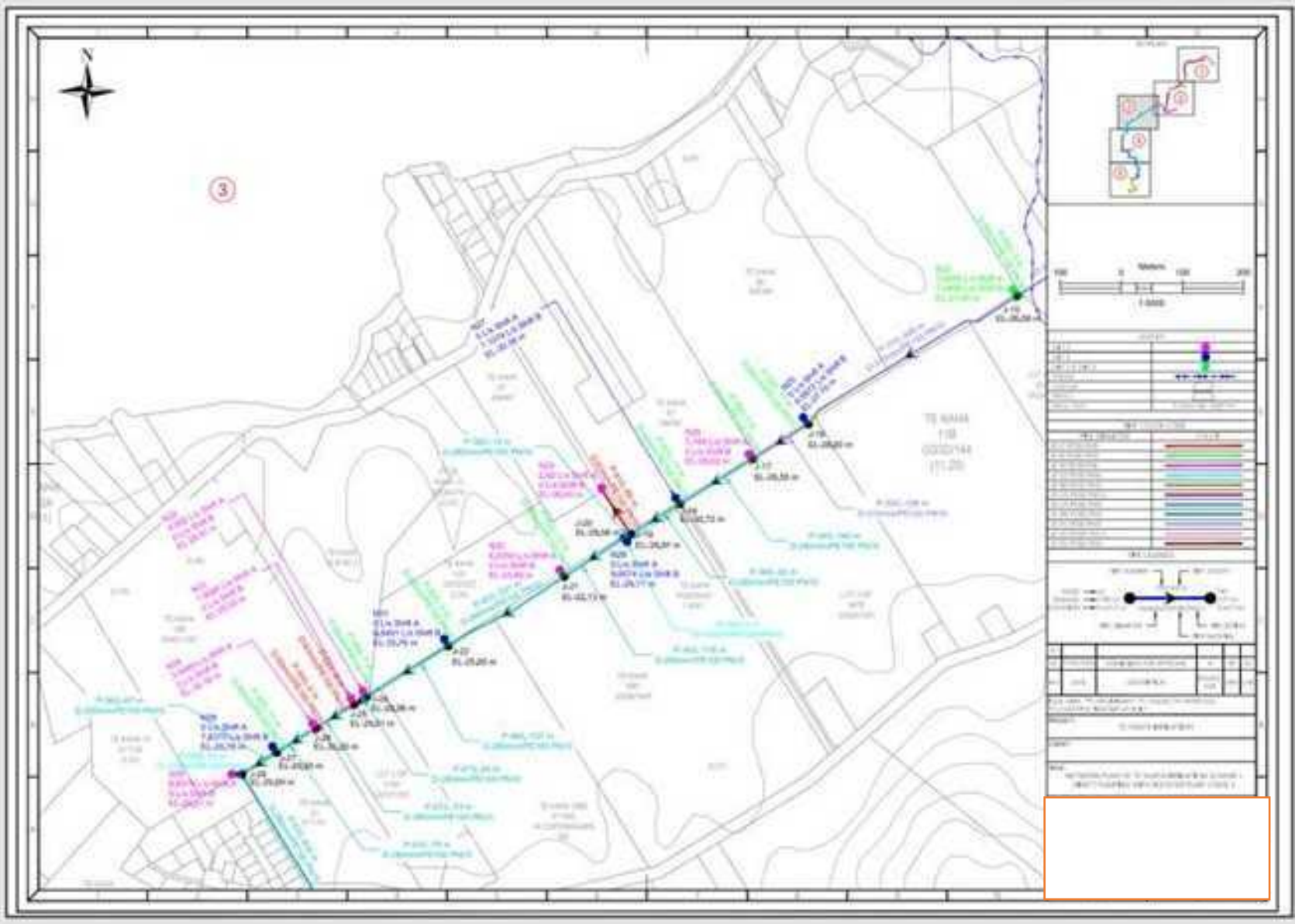
WATMOV



Sample Outputs

Bulk Water Pipeline Design– Sheet Set 3 of 6

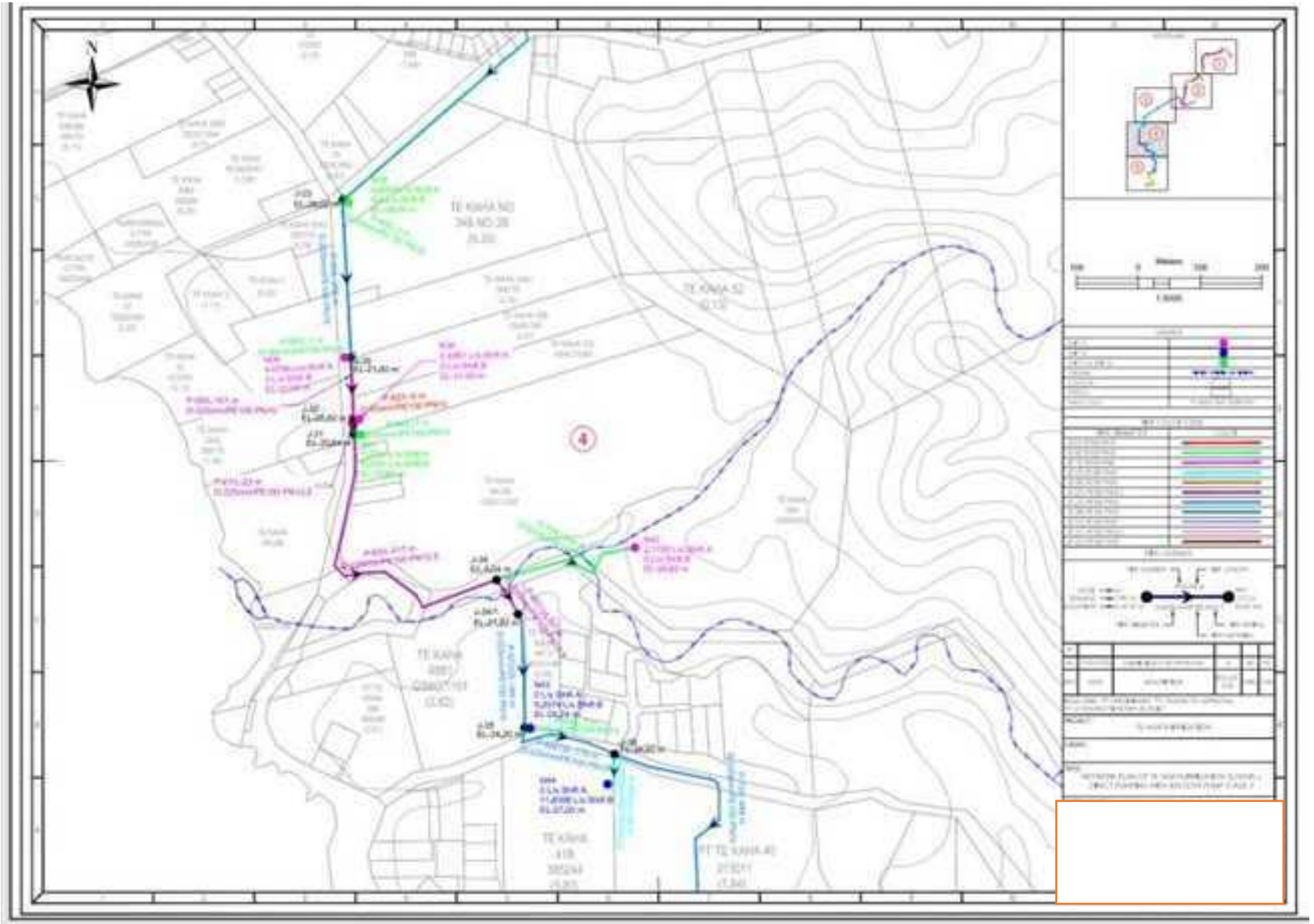
WATMOV



Sample Outputs

Bulk Water Pipeline Design– Sheet Set 4 of 6

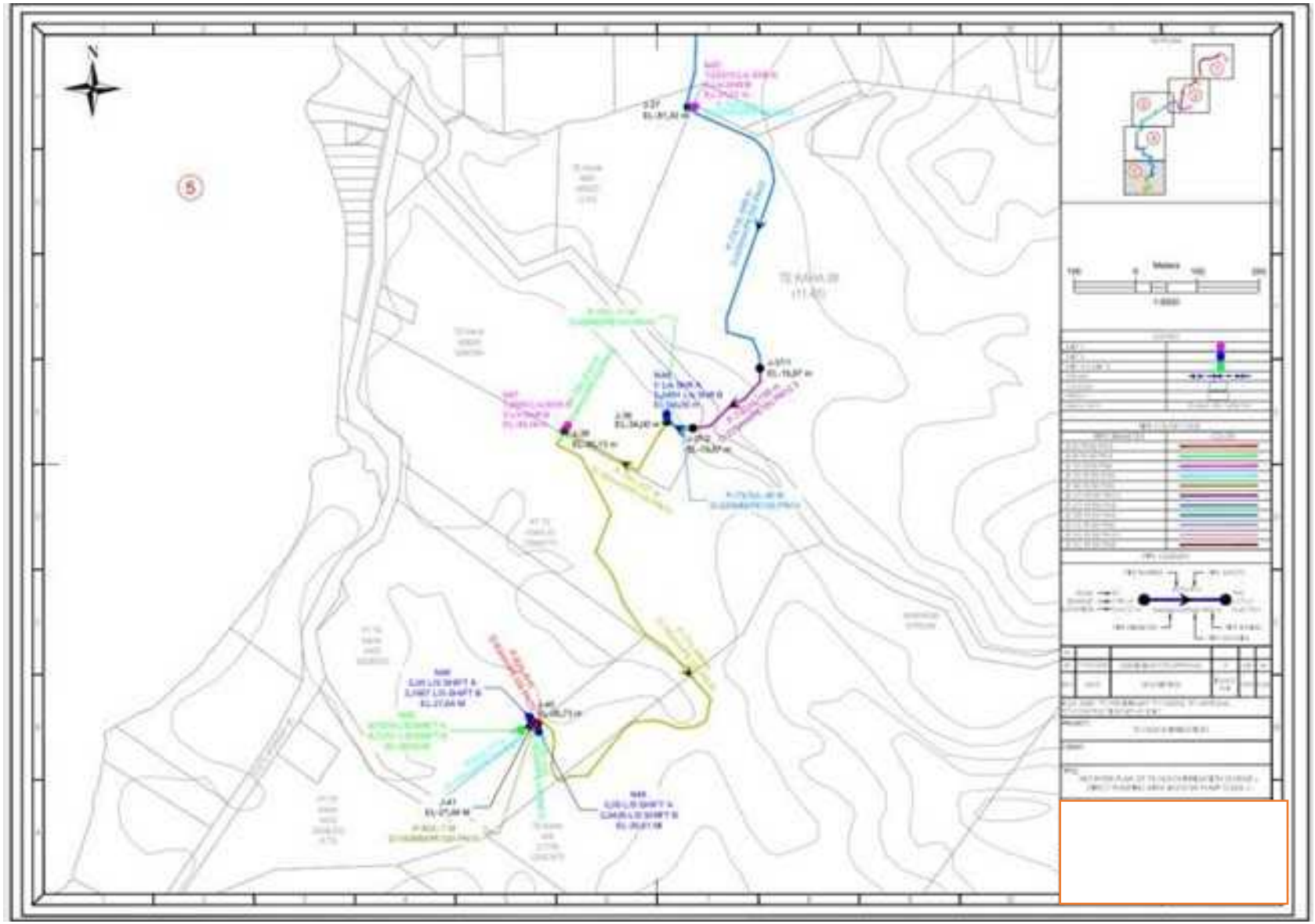
WATMOV



Sample Outputs

Bulk Water Pipeline Design– Sheet Set 5 of 6

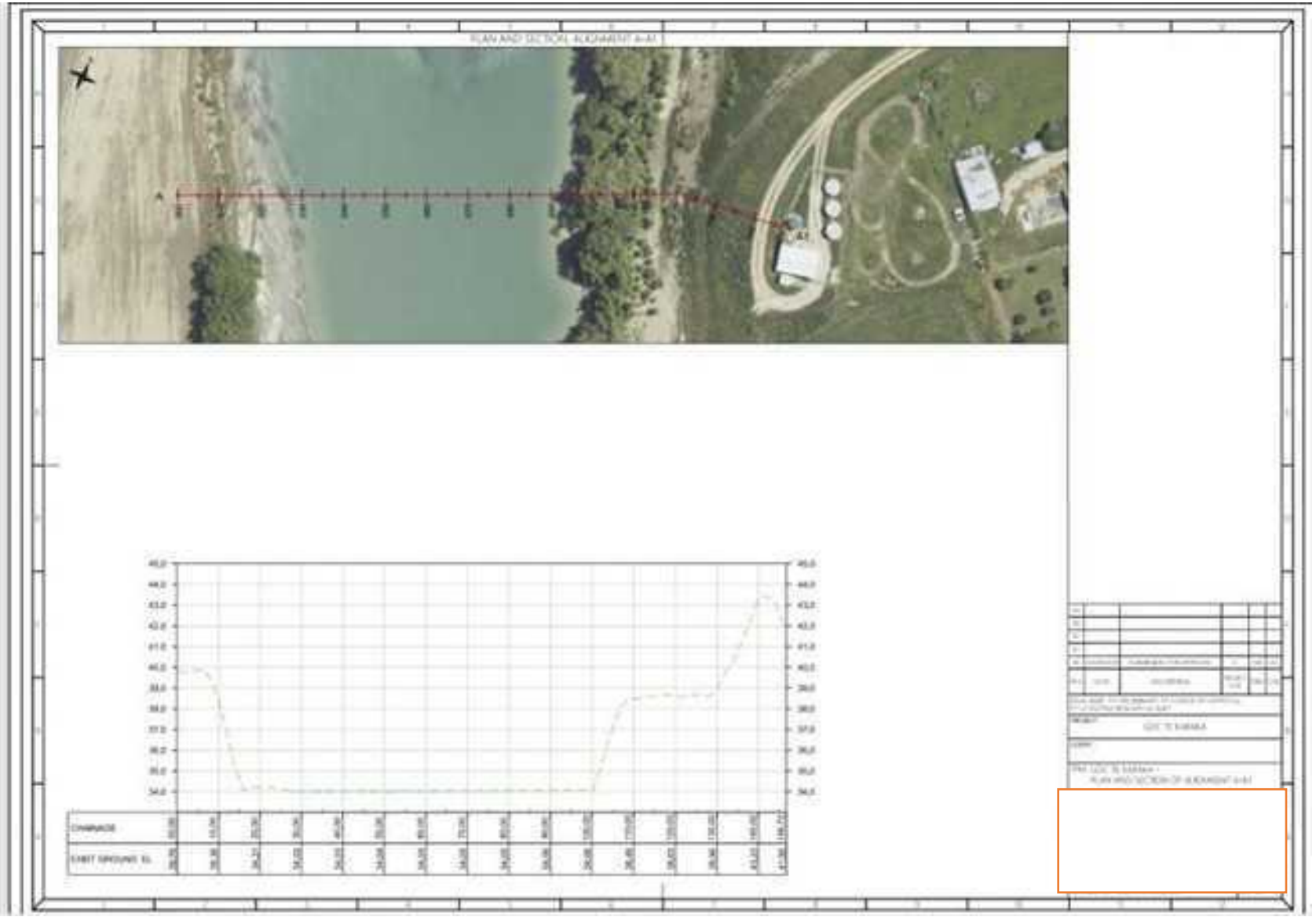
WATMOV



Sample Outputs

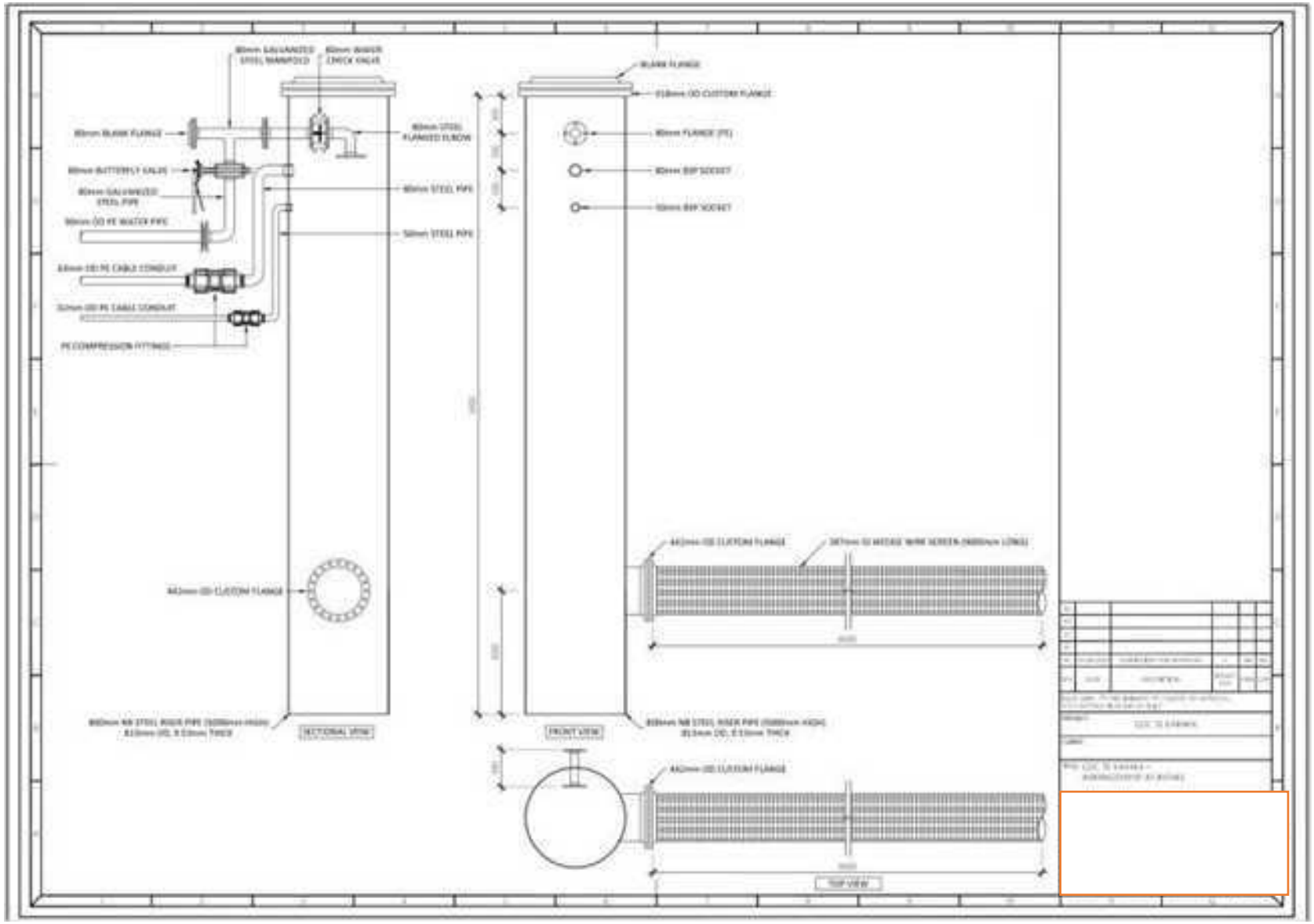
Bulk Water Pipeline Design– Sheet Set 6 of 6

WATMOV



Sample Outputs

Intake Arrangement– Sheet Set 1 of 2



Sample Outputs

Intake Arrangement– Sheet Set 2 of 2

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Other expertise areas

- AutoCAD
- Civil 3D
- Revit
- IrriCAD
- WaterGEMS
- EPANET
- Sewer Gems
- KYPipe
- Ceaser II

- Hydraulics
- Civil
- Pumping Station
- Structural
- Mechanical
- Electrical

Thank you!

Watmov Australia

Let us support your design journey together

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We look forward to support you!