

JOSH'S HOUSE

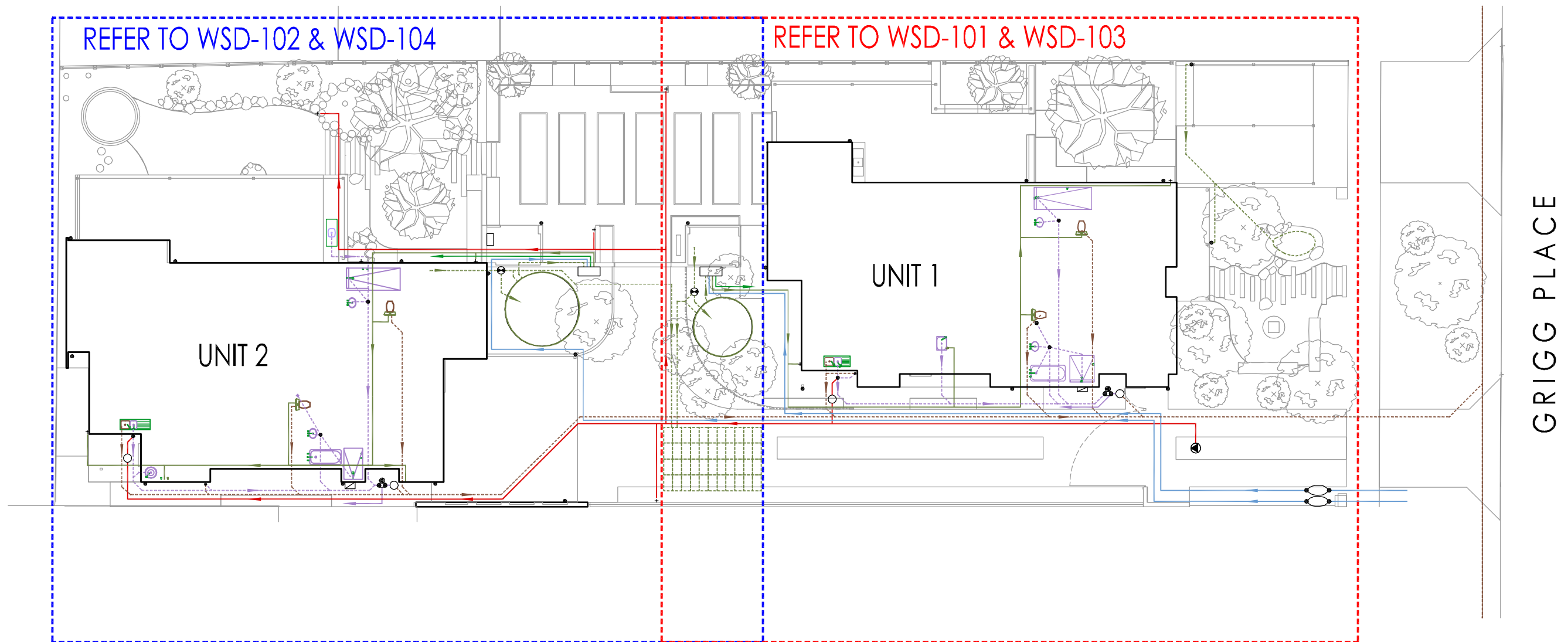
WATER SYSTEM DESIGN

09/07/2013

SCHEMATIC DESIGN ONLY
REFER TO GENERAL NOTES, COMPLIANCE
& INSTALLATION INSTRUCTIONS.

DRAWING SHEET LIST

- WSD-001 COVER PAGE & OVERALL WATER SYSTEM DESIGN
- WSD-101 WATER SYSTEM DESIGN - UNIT 1 - WATER SUPPLY
- WSD-102 WATER SYSTEM DESIGN - UNIT 2 - WATER SUPPLY
- WSD-103 WATER SYSTEM DESIGN - UNIT 1 - WASTE & BORE WATER
- WSD-104 WATER SYSTEM DESIGN - UNIT 2 - WASTE & BORE WATER
- WSD-105 WATER SYSTEM DESIGN - SCHEMATIC SERVICE PLANS
- WSD-106 WATER SYSTEM DESIGN - OVERALL HYDROZONE PLAN



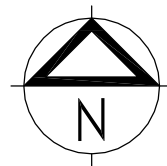
OVERALL SITE PLAN
SCALE 1:200

AS CONSTRUCTED



09/07/2013	AS CONSTRUCTED ISSUE	--
DATE	DESCRIPTION	REV

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PROJECT TITLE JOSH'S HOUSE		PROJECT NO. D-00-3	SCALE 1:200	SHEET 1 of 7	REVISION --
DRAWING TITLE CONTENTS PAGE & OVERALL WATER SYSTEM DESIGN		CAD FILE PATH -	PUNIT DATE 09/07/2013		JOSH BYRNE & ASSOCIATES Environment • Design • Communication phone 08 9433 3721 fax 08 9433 3728 suite 10, 16 phillimore street fremantle wa 6160 po box 1866, fremantle wa 6959 www.joshbyrne.com.au jba@joshbyrne.com.au
DRAWN AB	CHECKED JB	APPROVED JB	DWG NO. WSD-001		



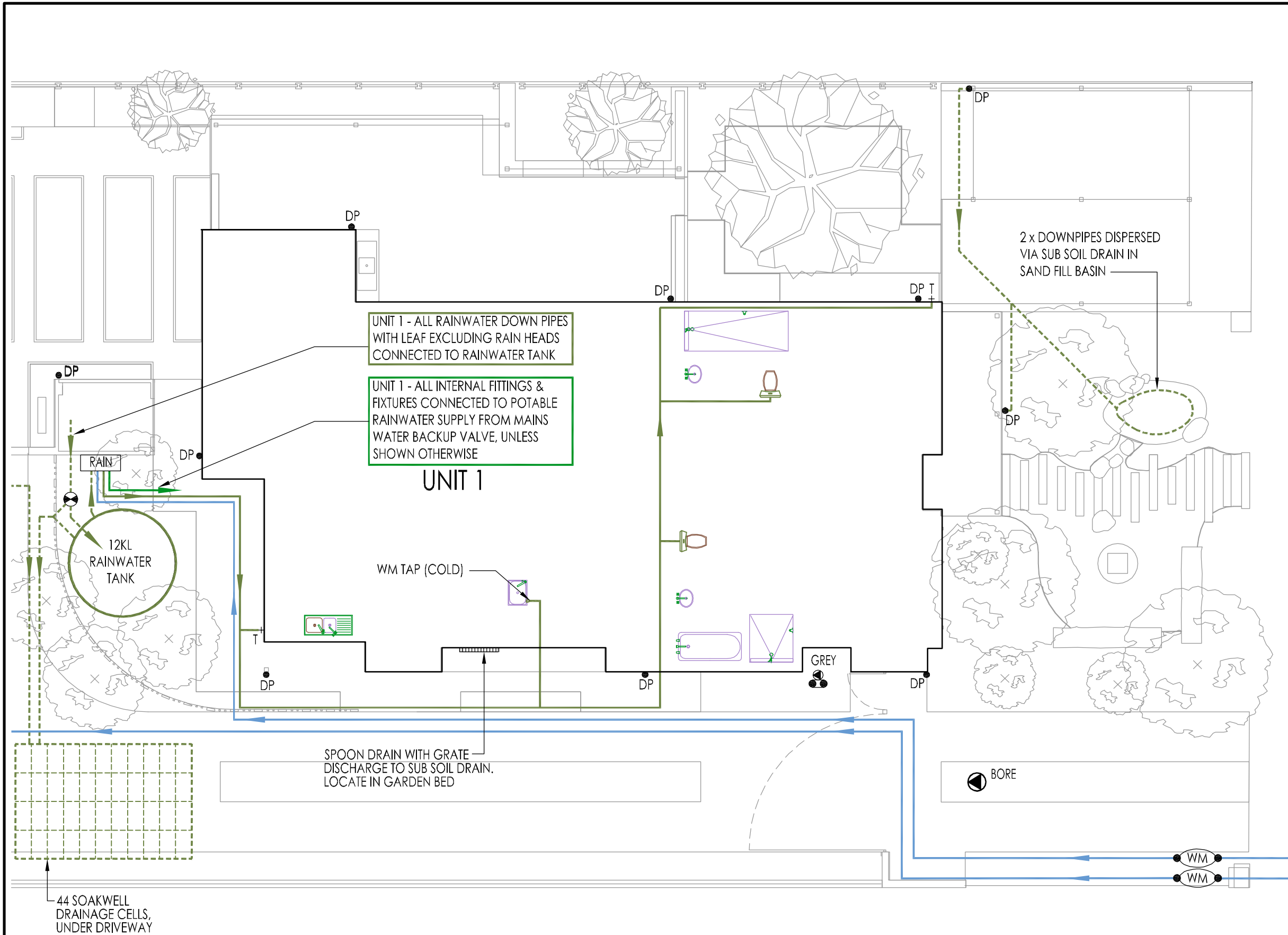
GENERAL NOTES

- GENERAL**
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 - CONFIRM LOCATION & ROUTING OF ALL SERVICES ON SITE.

- RAINWATER HARVESTING SYSTEM NOTES**
- LEAF EXCLUDING RAIN HEAD TO BE INSTALLED TO ALL RAINWATER DOWN PIPES CONNECTED TO RAINWATER TANKS.
 - ALL NON POTABLE RAINWATER PIPING TO BE CLEARLY MARKED NON-POTABLE AND COLOUR-CODED (GREEN) FOR RETICULATION OF RAINWATER; AND CONNECTING TAPS TO BE CLEARLY MARKED 'NON-POTABLE' IN ACCORDANCE WITH THE AUSTRALIAN/NEW ZEALAND STANDARD (AS/NZS3500.1) PLUMBING AND DRAINAGE - WATER SERVICES.

WATER SUPPLY LEGEND

- SITE BOUNDARY
- MAINS WATER & FLOW - PRESSURE
- - - RAINWATER & FLOW - GRAVITY DRAIN
- NON POTABLE RAINWATER & FLOW - PUMPED
- POTABLE RAINWATER & FLOW - PUMPED
- RAIN WALL MOUNTED RAINWATER PUMP CABINET, WITH MAINS WATER BACKUP VALVE, PUMP & RAINWATER TREATMENT UNIT. REFER TO SCHEMATIC PLAN FOR DETAILS
- DP RAINWATER DOWN PIPE WITH LEAF EXCLUDING RAIN HEAD - CONNECTED TO RAINWATER TANK
- SOAKWELL DRAINAGE CELL - UNDERGROUND
- RAINWATER DIVERSION VALVE IN JUNCTION BOX, TO ALLOW FOR MANUAL DIVERSION OF RAINWATER TO SOAKWELL
- WM WATER METER
- + T GARDEN TAP
- IR IRRIGATION CONTROLLER - REFER TO IRRIGATION PLAN FOR DETAILS
- GREY GREYWATER DIVERSION DEVICE - REFER TO WSD-103, 104 & 105 FOR DETAILS
- BORE BORE PUMP - REFER TO WSD-103 FOR DETAILS



UNIT 1 - ALL RAINWATER DOWN PIPES WITH LEAF EXCLUDING RAIN HEADS CONNECTED TO RAINWATER TANK

UNIT 1 - ALL INTERNAL FITTINGS & FIXTURES CONNECTED TO POTABLE RAINWATER SUPPLY FROM MAINS WATER BACKUP VALVE, UNLESS SHOWN OTHERWISE

UNIT 1

WM TAP (COLD)

SPOON DRAIN WITH GRATE DISCHARGE TO SUB SOIL DRAIN. LOCATE IN GARDEN BED

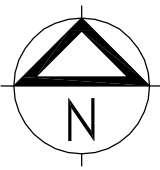
2 x DOWNPIPES DISPERSED VIA SUB SOIL DRAIN IN SAND FILL BASIN

44 SOAKWELL DRAINAGE CELLS, UNDER DRIVEWAY

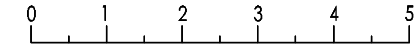
SITE PLAN - UNIT 1 - WATER SUPPLY
SCALE 1:100

09/07/2013	AS CONSTRUCTED ISSUE	--
DATE	DESCRIPTION	REV

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PROJECT TITLE JOSH'S HOUSE		PROJECT NO. D-00-3	SCALE 1:100	SHEET 2 of 7	REVISION --
DRAWING TITLE WATER SYSTEM DESIGN - UNIT 1 - WATER SUPPLY		CAD FILE PATH -	PUNIT DATE 09/07/2013		JOSH BYRNE & ASSOCIATES Environment • Design • Communication phone 08 9433 3721 fax 08 9433 3728 suite 10, 16 phillimore street fremantle wa 6160 po box 1866, fremantle wa 6959 www.joshbyrne.com.au jba@joshbyrne.com.au
DRWN AB	CHECKED JB	APPROVED JB	DWG NO. WSD-101		



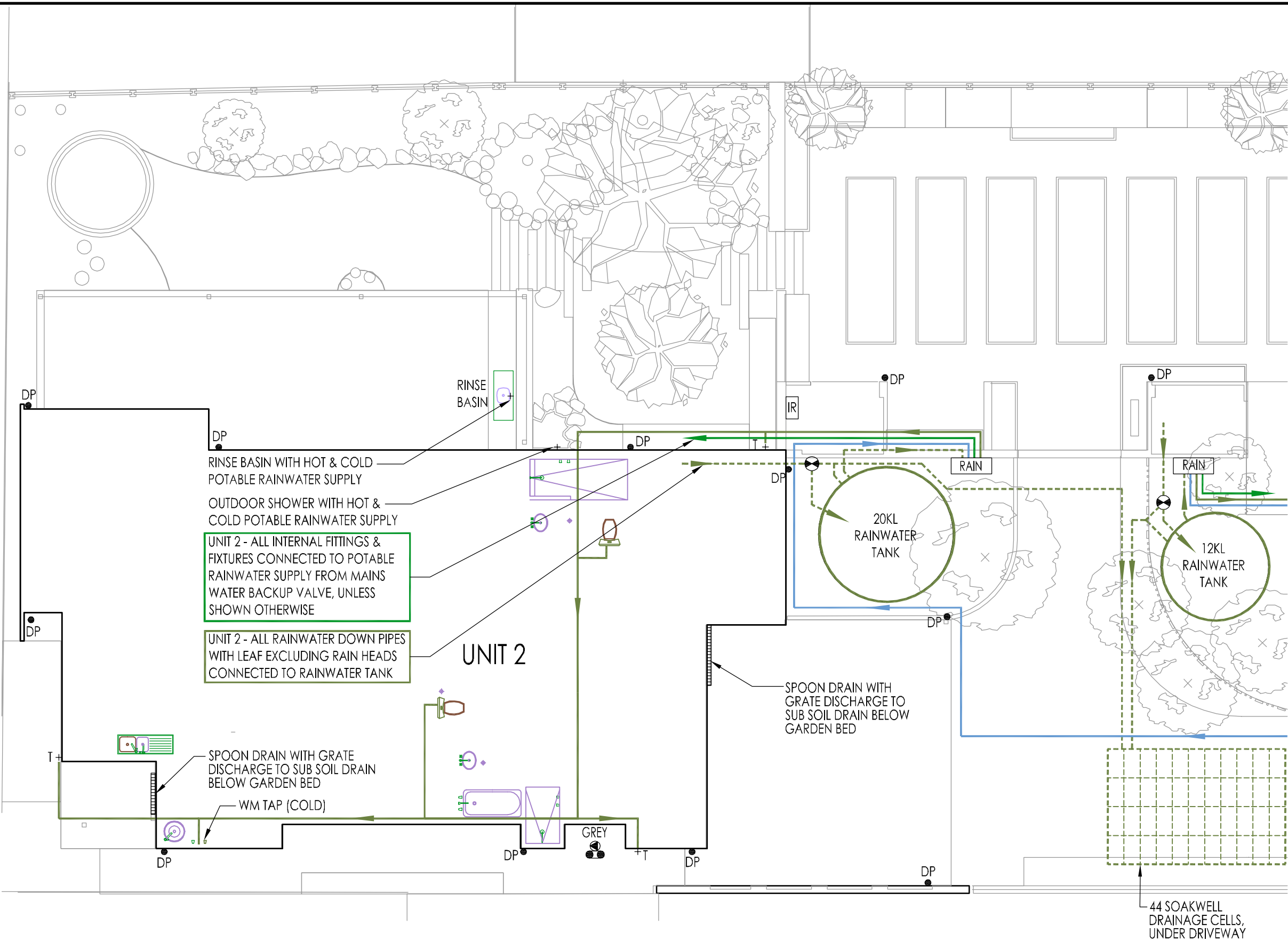
GENERAL NOTES

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WATER SUPPLY LEGEND

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- MAINS WATER & FLOW - PRESSURE
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- IR IRRIGATION CONTROLLER - REFER TO IRRIGATION PLAN FOR DETAILS
- GREY GREYWATER DIVERSION DEVICE - REFER TO WSD-103, 104 & 105 FOR DETAILS
- BORE BORE PUMP - REFER TO WSD-103 FOR DETAILS



RINSE BASIN WITH HOT & COLD POTABLE RAINWATER SUPPLY

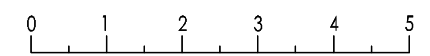
OUTDOOR SHOWER WITH HOT & COLD POTABLE RAINWATER SUPPLY

UNIT 2 - ALL INTERNAL FITTINGS & FIXTURES CONNECTED TO POTABLE RAINWATER SUPPLY FROM MAINS WATER BACKUP VALVE, UNLESS SHOWN OTHERWISE

UNIT 2 - ALL RAINWATER DOWN PIPES WITH LEAF EXCLUDING RAIN HEADS CONNECTED TO RAINWATER TANK

SITE PLAN - UNIT 2 - WATER SUPPLY
SCALE 1:100

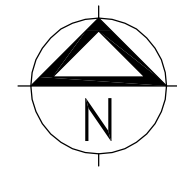
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PROJECT TITLE JOSH'S HOUSE		PROJECT NO. D-00-3	SCALE 1:100	SHEET 3 of 7	REVISION --
DRAWING TITLE WATER SYSTEM DESIGN - UNIT 2 - WATER SUPPLY		CAD FILE PATH -	PUNIT DATE 09/07/2013		JOSH BYRNE & ASSOCIATES Environment • Design • Communication phone 08 9433 3721 fax 08 9433 3728 suite 10, 16 phillimore street fremantle wa 6160 po box 1866, fremantle wa 6959 www.joshbyrne.com.au jba@joshbyrne.com.au
DRAWN AB	CHECKED JB	APPROVED JB	DWG NO. WSD-102		



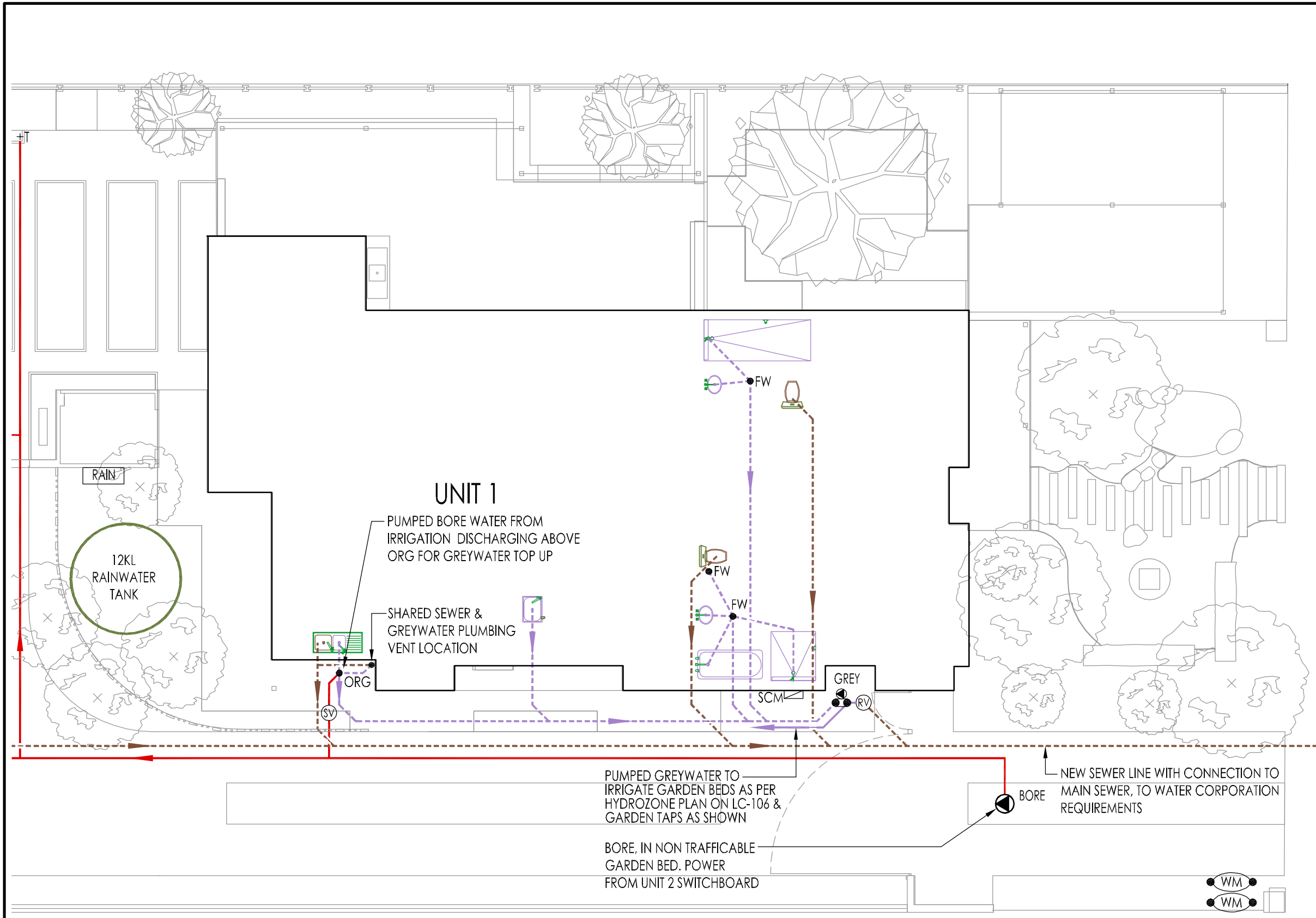
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- GREY WATER**
- ALL GREY WATER IRRIGATION PIPEWORK TO BE CLEARLY MARKED 'GREY WATER' AND COLOUR CODED LILAC FOR RETICULATION OF THE GREY WATER IN ACCORDANCE WITH AS/NZS 1547:2012 ON-SITE DOMESTIC WASTEWATER MANAGEMENT AND WA DOH CODE OF PRACTICE FOR THE REUSE OF GREY WATER IN WESTERN AUSTRALIA (2010).
 - GREY WATER DIVERSION DEVICE INSTALLED TO COMPLY WITH 'GREY WATER READY PLUMBING GUIDELINES'

WASTE & BORE WATER LEGEND

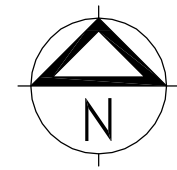
- SITE BOUNDARY
- BORE WATER & FLOW - PUMPED
- - - GREY WATER DRAIN & FLOW - GRAVITY DRAIN
- GREY WATER IRRIGATION MAIN LINE & FLOW - PUMPED
- - - SEWER DRAIN & FLOW - GRAVITY DRAIN
- ⊙ BORE BORE PUMP - WITH POWER CONNECTION FROM UNIT 2 SWITCH BOARD
- ⊙ GREY GREY WATER DIVERSION DEVICE WITH PUMP, INSTALLED TO MANUFACTURERS SPECIFICATIONS
- ⊙ RV APPROVED REFLUX VALVE, TO DISCHARGE EXCESS GREY WATER TO SEWER
- ⊙ SCM SELF CLEANING MECHANISM & CONTROLLER IN WALL MOUNTED ENCLOSURE WITH DOUBLE GENERAL POWER OUTLET
- FW FLOOR WASTE OR FLOOR WASTE GULLY
- ORG OVERFLOW RELIEF GULLY
- ⊙ SV SOLENOID VALVE - FOR BORE WATER IRRIGATION TOP UP OVER ORG. SOLENOID CONTROLLED BY IRRIGATION CONTROLLER
- ⊙ IR IRRIGATION CONTROLLER - REFER TO IRRIGATION PLAN FOR DETAILS
- ◻ WALL MOUNTED RAINWATER PUMP CABINET, REFER TO WSD-101, 102 & 105 FOR DETAILS



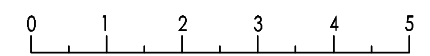
SITE PLAN - UNIT 1 - WASTE & BORE WATER
SCALE 1:100

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PROJECT TITLE JOSH'S HOUSE		PROJECT NO. D-00-3	SCALE 1:100	SHEET 4 of 7	REVISION --
DRAWING TITLE WATER SYSTEM DESIGN - UNIT 1 - WASTE & BORE WATER		CAD FILE PATH -	PUNIT DATE 09/07/2013		
DRAWN AB	CHECKED JB	APPROVED JB	DWG NO. WSD-103		

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suite 10, 16 phillimore street fremantle wa 6160
po box 1866, fremantle wa 6959
www.joshbyrne.com.au
jba@joshbyrne.com.au

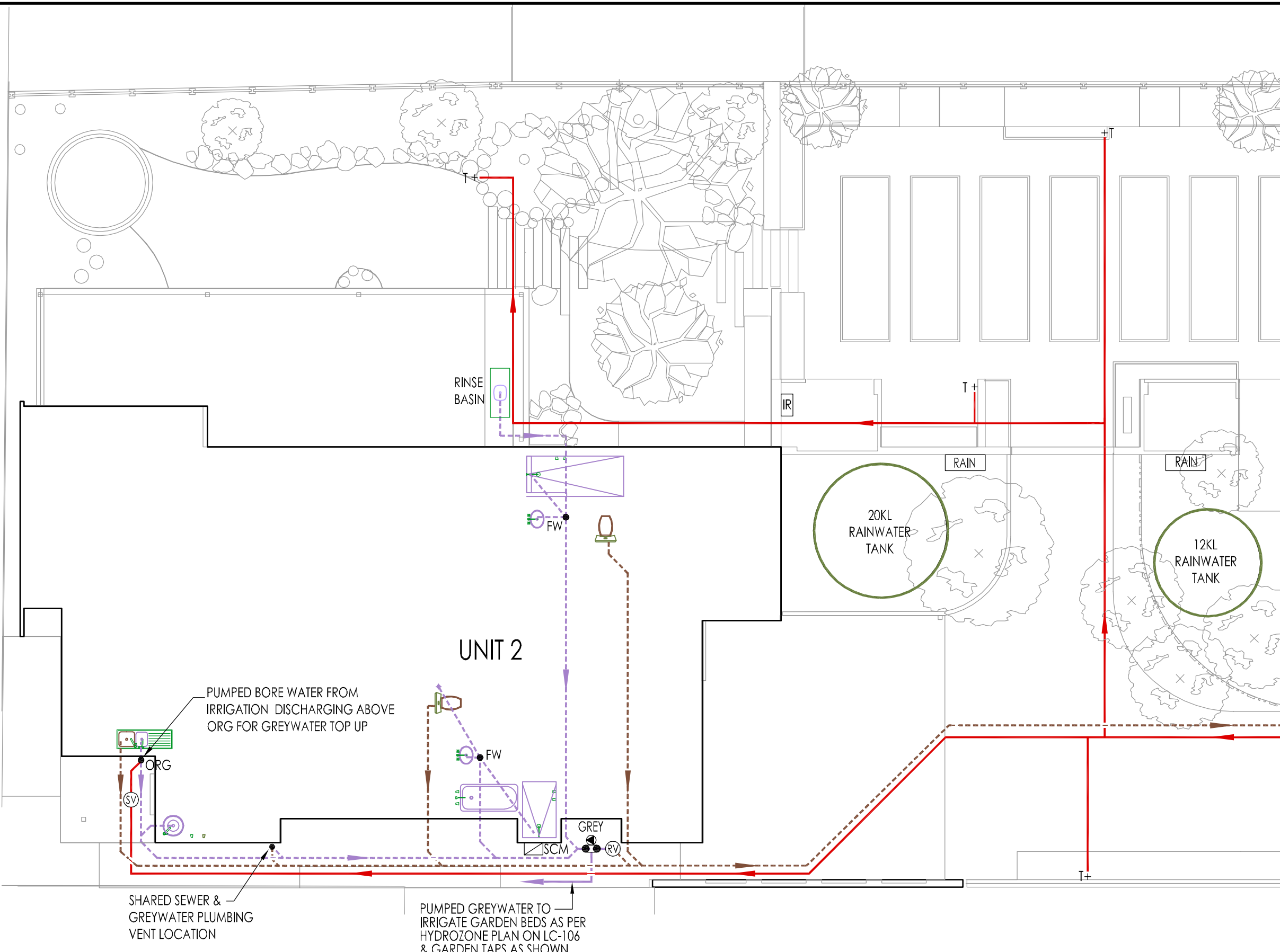
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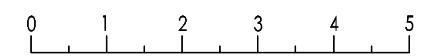
WASTE & BORE WATER LEGEND

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- ⊙ IR IRRIGATION CONTROLLER - REFER TO IRRIGATION PLAN FOR DETAILS
- ⊙ RAIN WALL MOUNTED RAINWATER PUMP CABINET, REFER TO WSD-101,102 & 105 FOR DETAILS



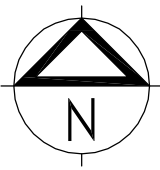
SITE PLAN - UNIT 2 - WASTE & BORE WATER
SCALE 1:100

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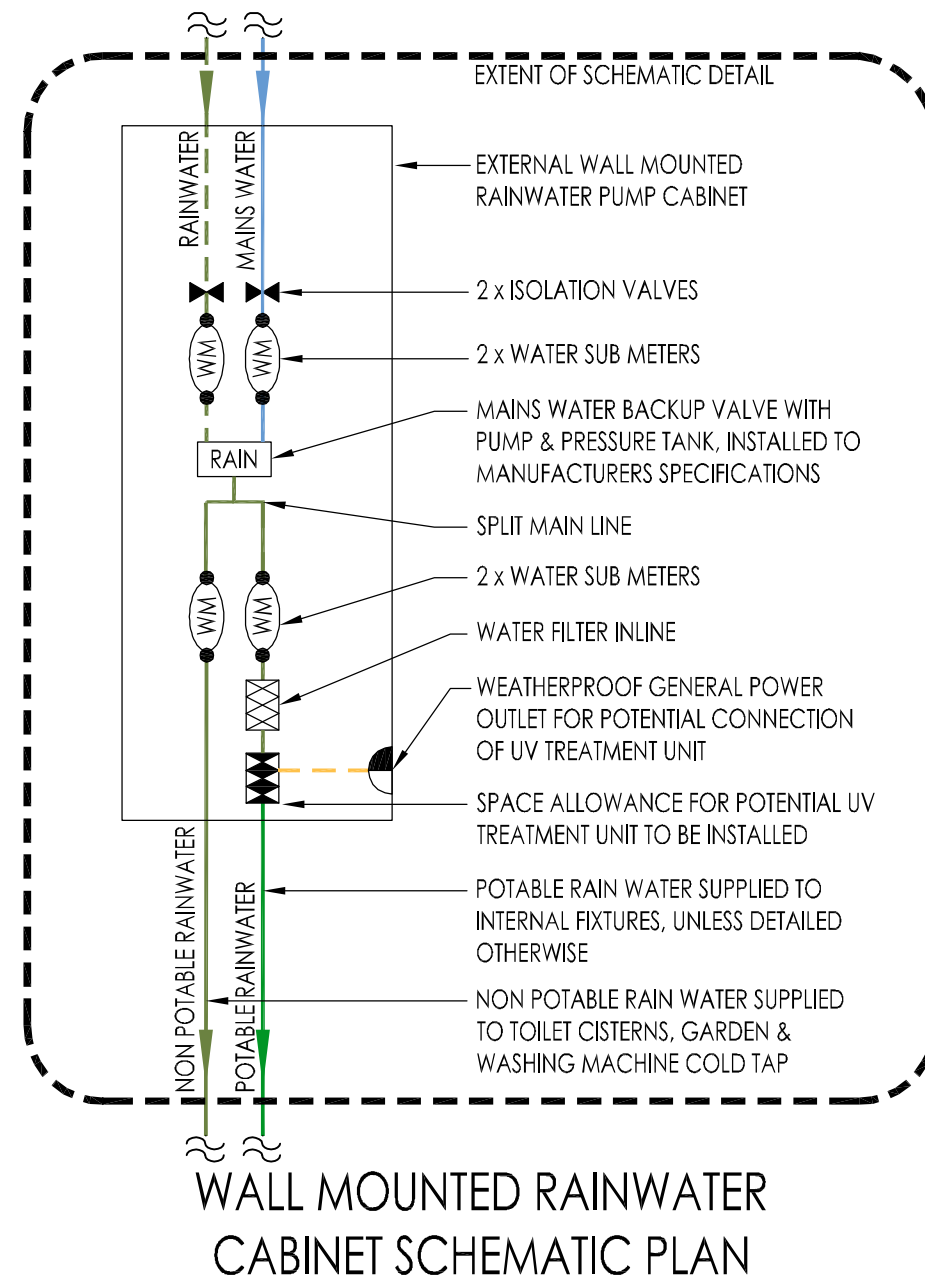
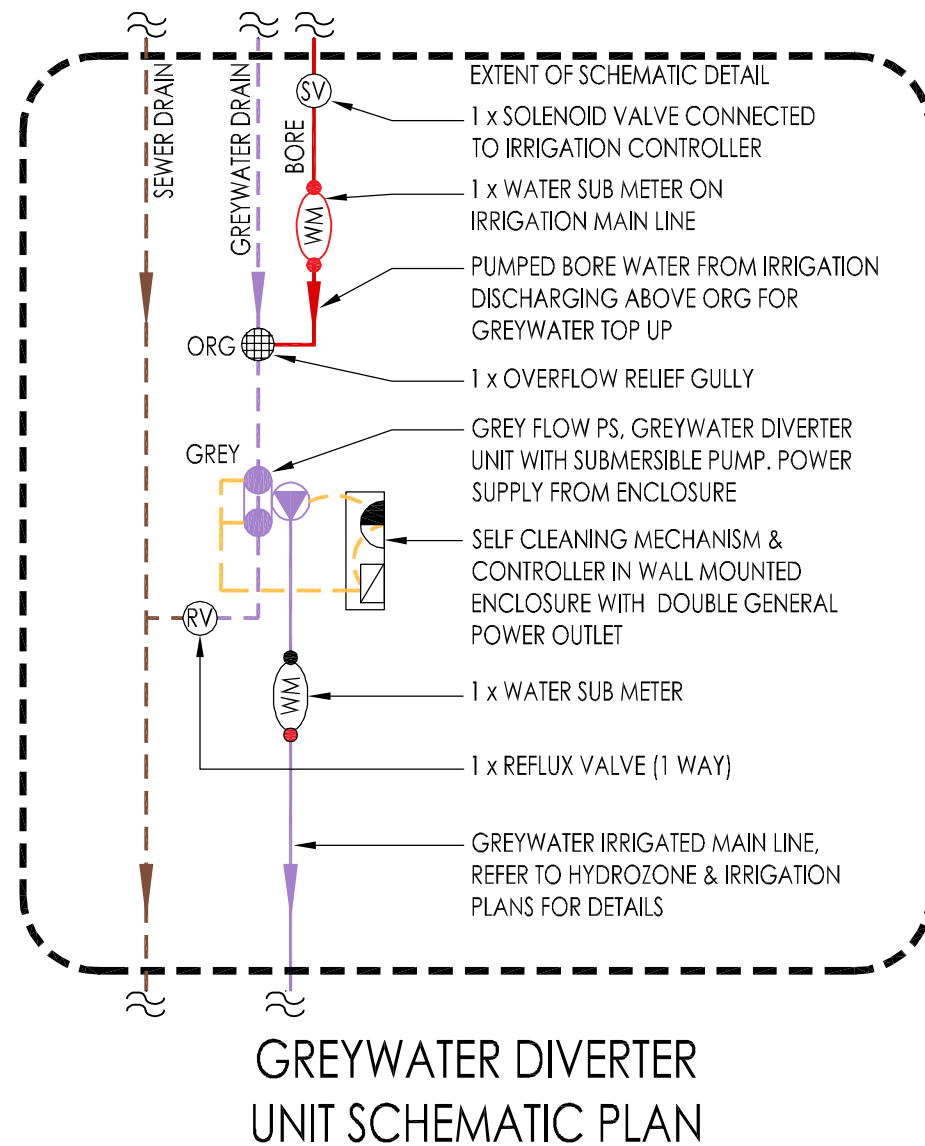
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PROJECT TITLE JOSH'S HOUSE		PROJECT NO. D-00-3	SCALE 1:100	SHEET 5 of 7	REVISION --
DRAWING TITLE WATER SYSTEM DESIGN - UNIT 2 - WASTE & BORE WATER		CAD FILE PATH -	PUNIT DATE 09/07/2013		JOSH BYRNE & ASSOCIATES Environment • Design • Communication phone 08 9433 3721 fax 08 9433 3728 suite 10, 16 phillimore street fremantle wa 6160 po box 1866, fremantle wa 6959 www.joshbyrne.com.au jba@joshbyrne.com.au
DRAWN AB	CHECKED JB	APPROVED JB	DWG NO. WSD-104		

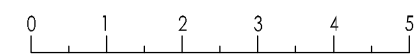




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PROJECT TITLE JOSH'S HOUSE		PROJECT NO. D-00-3	SCALE N/A	SHEET 6 of 7	REVISION
DRAWING TITLE WATER SYSTEM DESIGN - SCHEMATIC SERVICE PLANS		CAD FILE PATH -	PUNIT DATE 09/07/2013		
DRAWN AB	CHECKED JB	APPROVED JB	DWG NO. WSD-105		


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 www.joshbyrne.com.au
 jba@joshbyrne.com.au


HYDROZONE LEGEND


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HYDROZONE 1 - UNIT 1. ASSORTED PLANTINGS. GREYWATER WITH SUB STRATA DRIP IRRIGATION. BORE BACKUP TO ORG & ADDITIONAL POLY SUB MAIN TO PERIMETER OF BEDS OFF BORE FOR THE SPRINKLER / POT SPRAYS TO ADVANCED TREES. (APPROX ~ 40M2).
- 

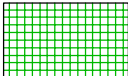
HYDROZONE 4 - NATIVE PLANTING. BORE WITH SUB STRATA DRIP IRRIGATION, FOR ESTABLISHMENT ONLY. (APPROX 140M2)
- 

HYDROZONE 2 - UNIT 2. ASSORTED PLANTINGS. GREYWATER WITH SUB STRATA DRIP IRRIGATION. BORE BACKUP TO ORG & ADDITIONAL POLY SUB MAIN TO PERIMETER OF BEDS OFF BORE FOR THE SPRINKLER / POT SPRAYS TO ADVANCED TREES. (APPROX ~ 50M2)
- 

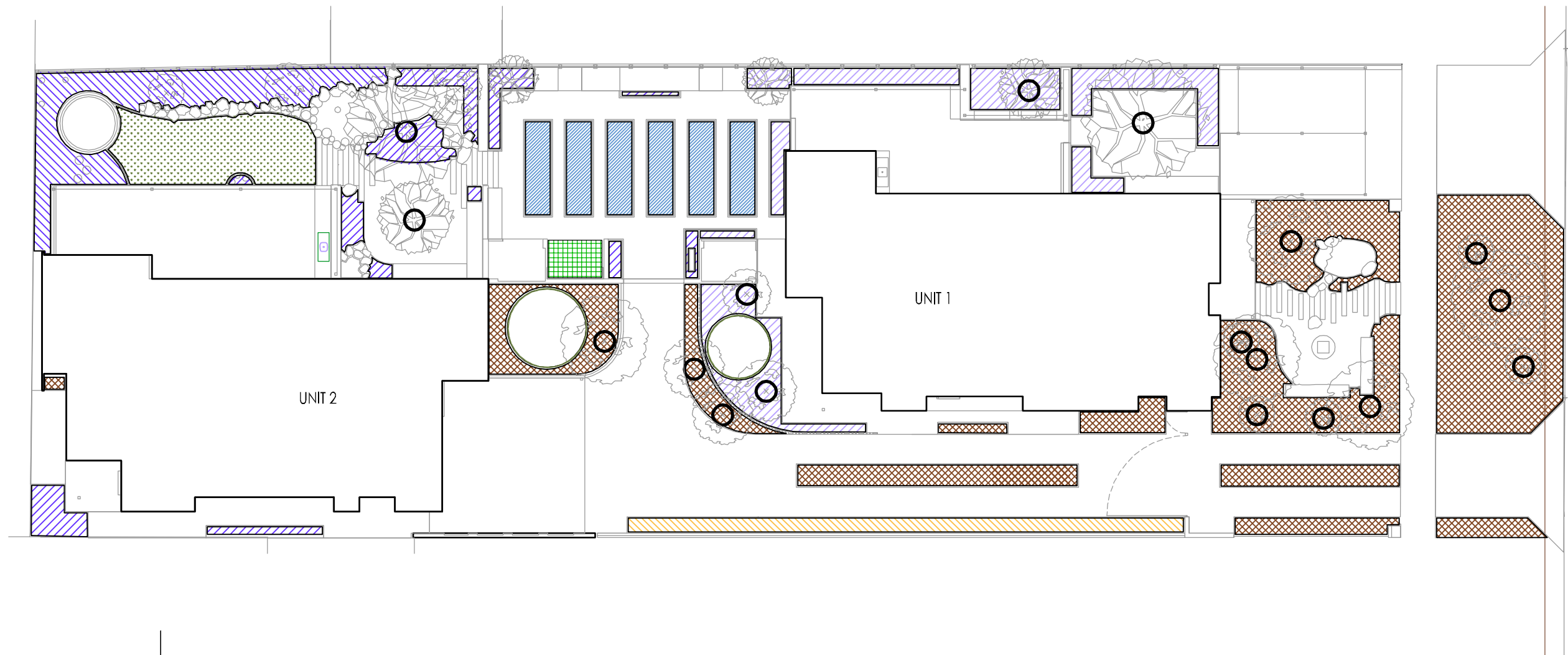
HYDROZONE 5 - FRUIT TREES. BORE WITH SUB STRATA DRIP IRRIGATION. (APPROX ~15M2)
- 

HYDROZONE 3 - TURF. BORE WITH ROTARY SPRINKLER IRRIGATION (APPROX~25 M2)
- 

HYDROZONE 6 - VEGETABLE GARDEN. BORE WITH SUB STRATA DRIP IRRIGATION. (APPROX ~25M2)
- 

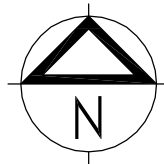
HYDROZONE 7 - ADVANCED TREES. BORE WITH SUB STRATA DRIP IRRIGATION TO ROOT BALL (17No)
- 

HYDROZONE 8 - GREENHOUSE. BORE. OVERHEAD IRRIGATION. (APPROX ~4M2)



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PROJECT TITLE
JOSH'S HOUSE

DRAWING TITLE
WATER SYSTEM DESIGN - OVERALL HYDROZONE PLAN

PROJECT NO. D-00-3	SCALE 1:200	SHEET 7 of 7	REVISION
CAD FILE PATH -		PUNIT DATE 09/07/2013	
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