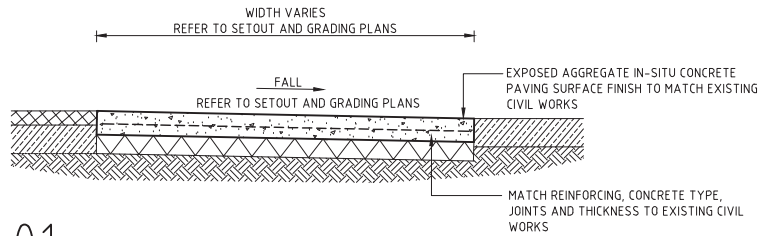
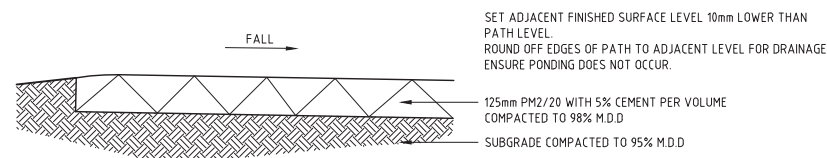


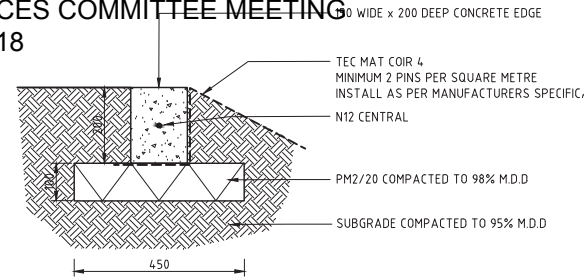
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AGENDA 10 APRIL 2018



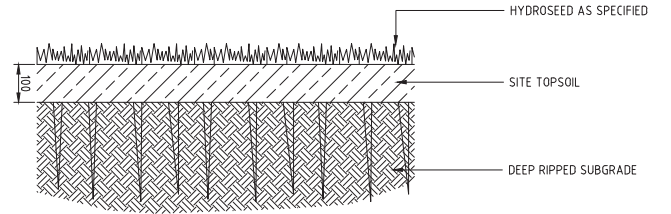
01 INSITU CONCRETE PAVING  
SCALE 1:20



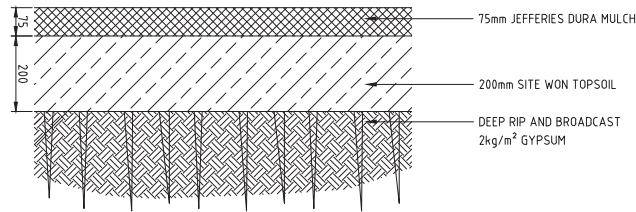
02 CEMENT TREATED QUARRY RUBBLE PATH  
SCALE 1:10



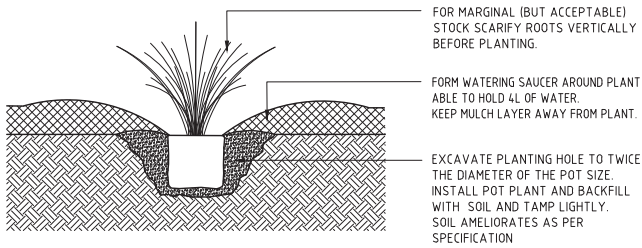
03 CONCRETE EDGE  
SCALE 1:10



04 HYDROSEED  
SCALE 1:10

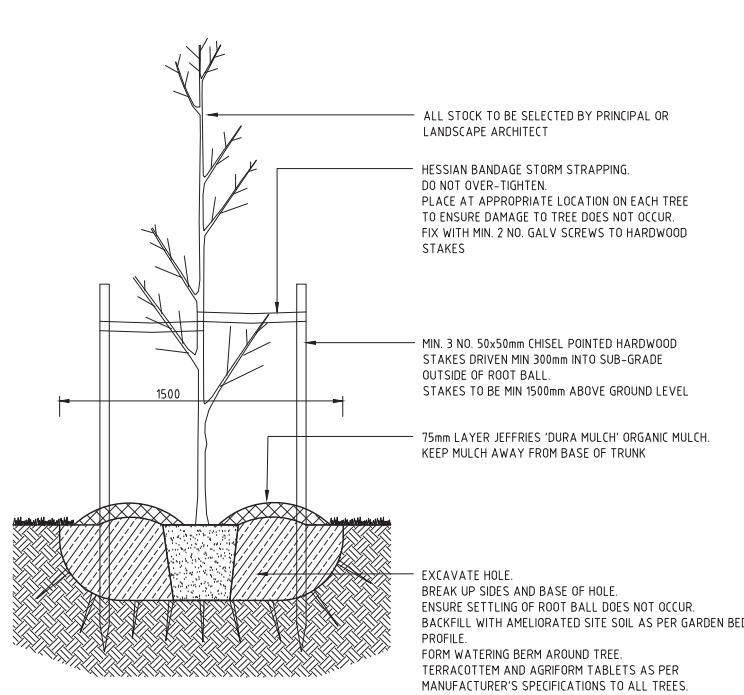


05 GARDEN BED PROFILE  
SCALE 1:10

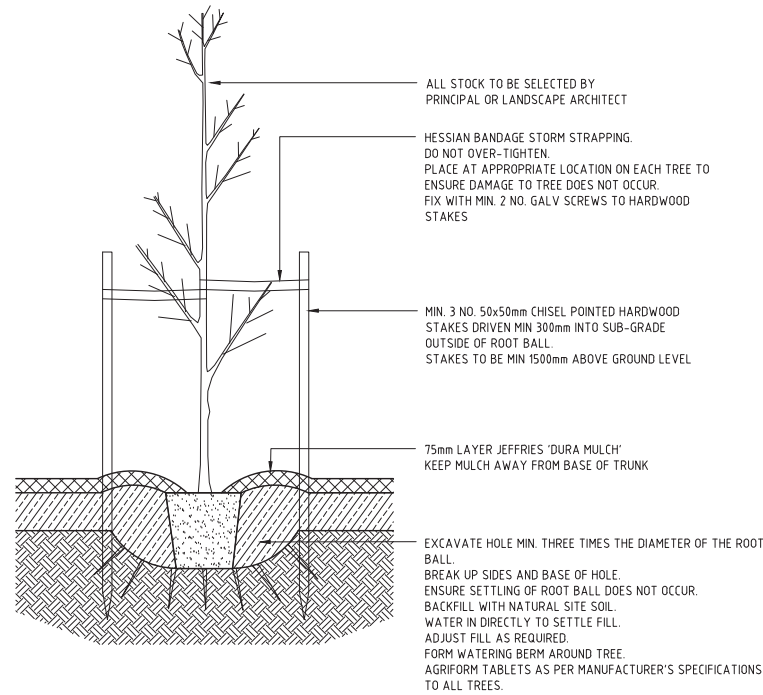


06 PLANTING DETAIL  
SCALE 1:10

REFER TO TOWN OF GAWLER  
STREET TREE PLANTING  
STANDARD IN SPECIFICATION



07 TYPICAL STREET TREE PLANTING  
SCALE 1:20



08 TREE PLANTING IN GRASS  
SCALE 1:20

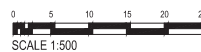
09 TREE PLANTING IN GARDEN BED  
SCALE 1:20

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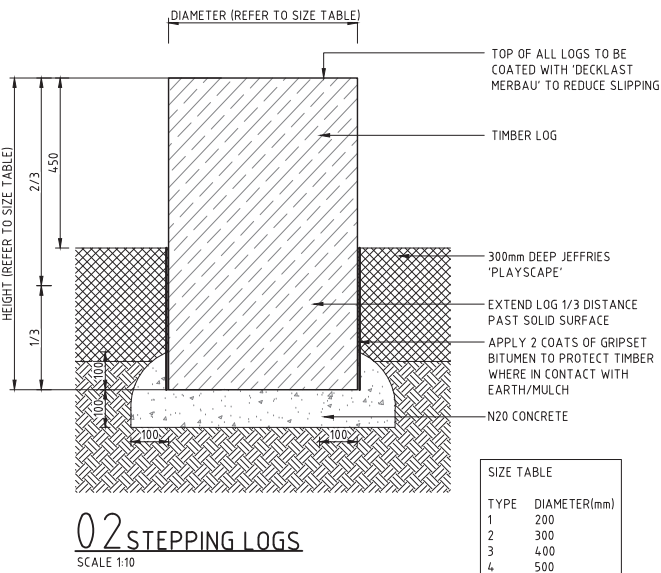
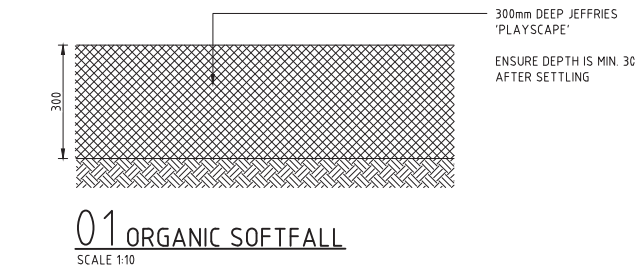
STATUS  
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DRAWING  
LANDSCAPE DETAILS  
SHEET 1 OF 3

DRAWING NUMBER  
17-1548-401

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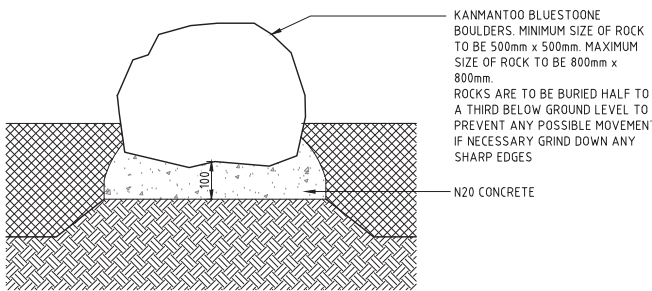


- NOTE: S:
1. ALL TIMBER JUMPING LOGS SHOULD HAVE A FLAT TOP
  2. ENSURE THAT THE LOG IS SECURE AND CAN WITHSTAND FORCED MOVEMENT
  3. ENSURE THAT NO ENTRAPMENT SPACES FOR HANDS OR FEET ARE CREATED
  4. ALL EDGES TO BE CLEAN AND FREE OF SPLINTERS AND SHARP EDGES

TYPE	DIAMETER(mm)
1	200
2	300
3	400
4	500

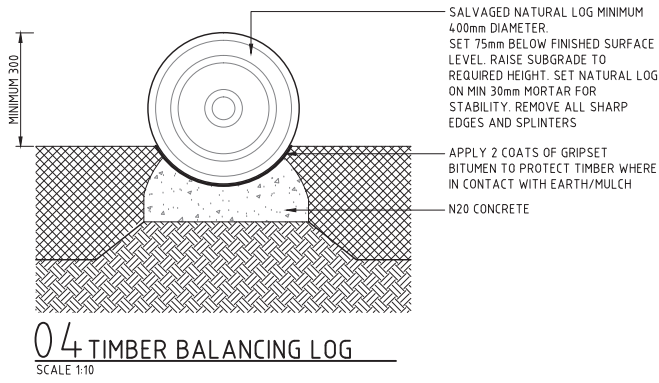
TYPE	HEIGHT(mm)
A	300
B	500
C	700

EXAMPLE: TYPE 3A IS A 400MM DIA. 300MM HIGH LOG

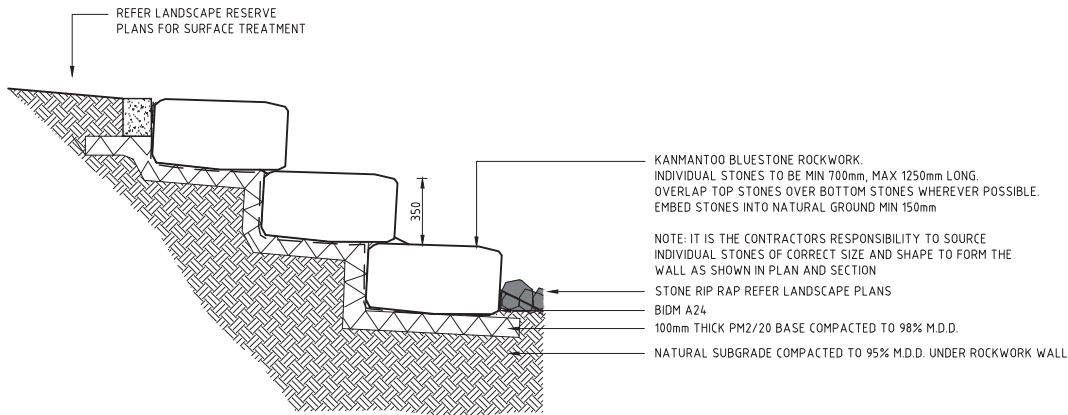


03 NATURE PLAY ROCKS  
SCALE 1:10

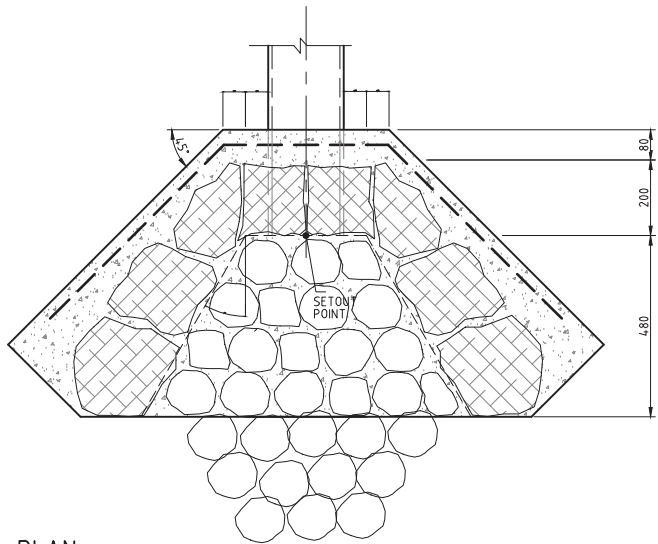
- NOTE: S:
1. SMOOTH ROCK OR BOULDER WITH A FLAT TOP SUITABLE FOR SITTING OR CLIMBING ON
  2. ENSURE THAT THE ROCK IS SECURE AND CAN WITHSTAND FORCED MOVEMENT



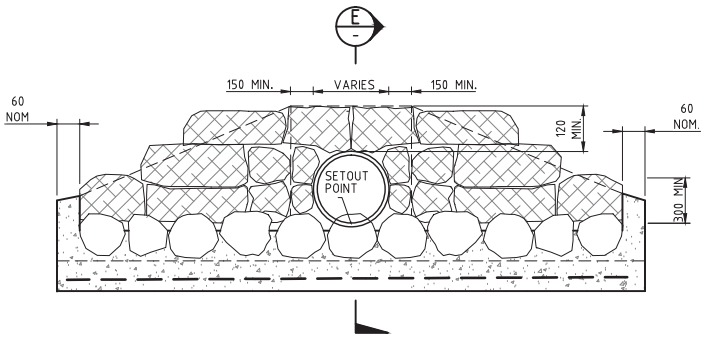
04 TIMBER BALANCING LOG  
SCALE 1:10



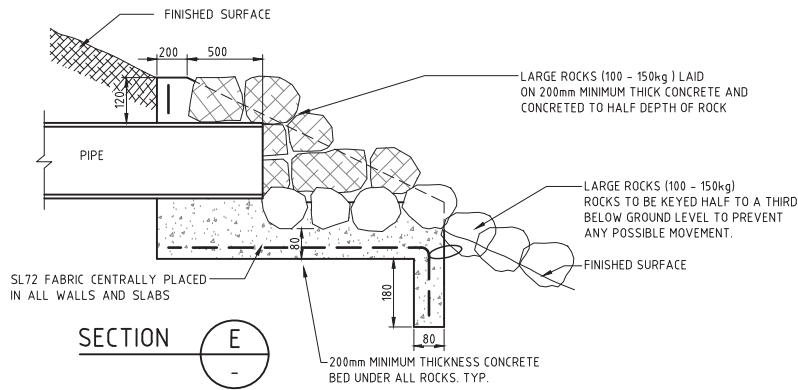
05 NATURAL BLUESTONE ROCKWORK TERRACE  
SCALE 1:20



PLAN  
SCALE 1:10



FRONT ELEVATION  
SCALE 1:10



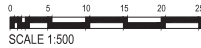
06 STONE HEADWALL  
NTS

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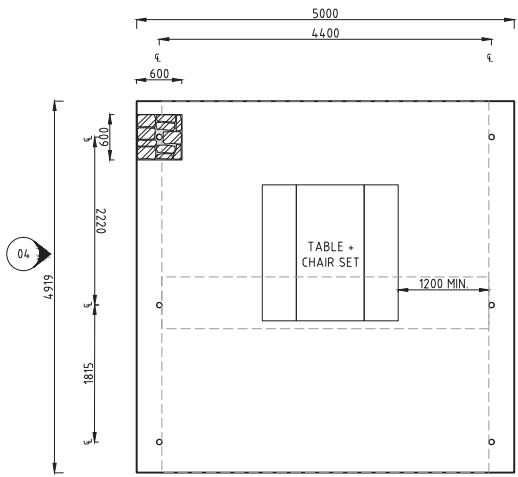
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SHEET 2 OF 3

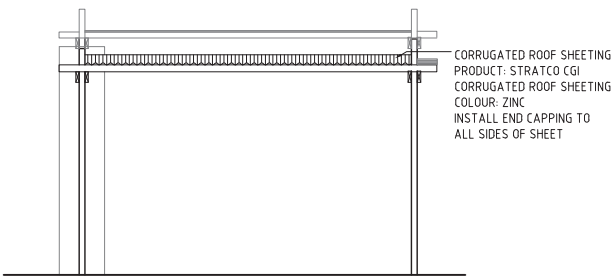
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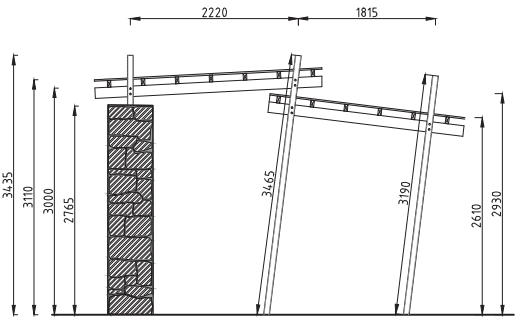
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01 SHELTER LAYOUT PLAN  
SCALE 1:50

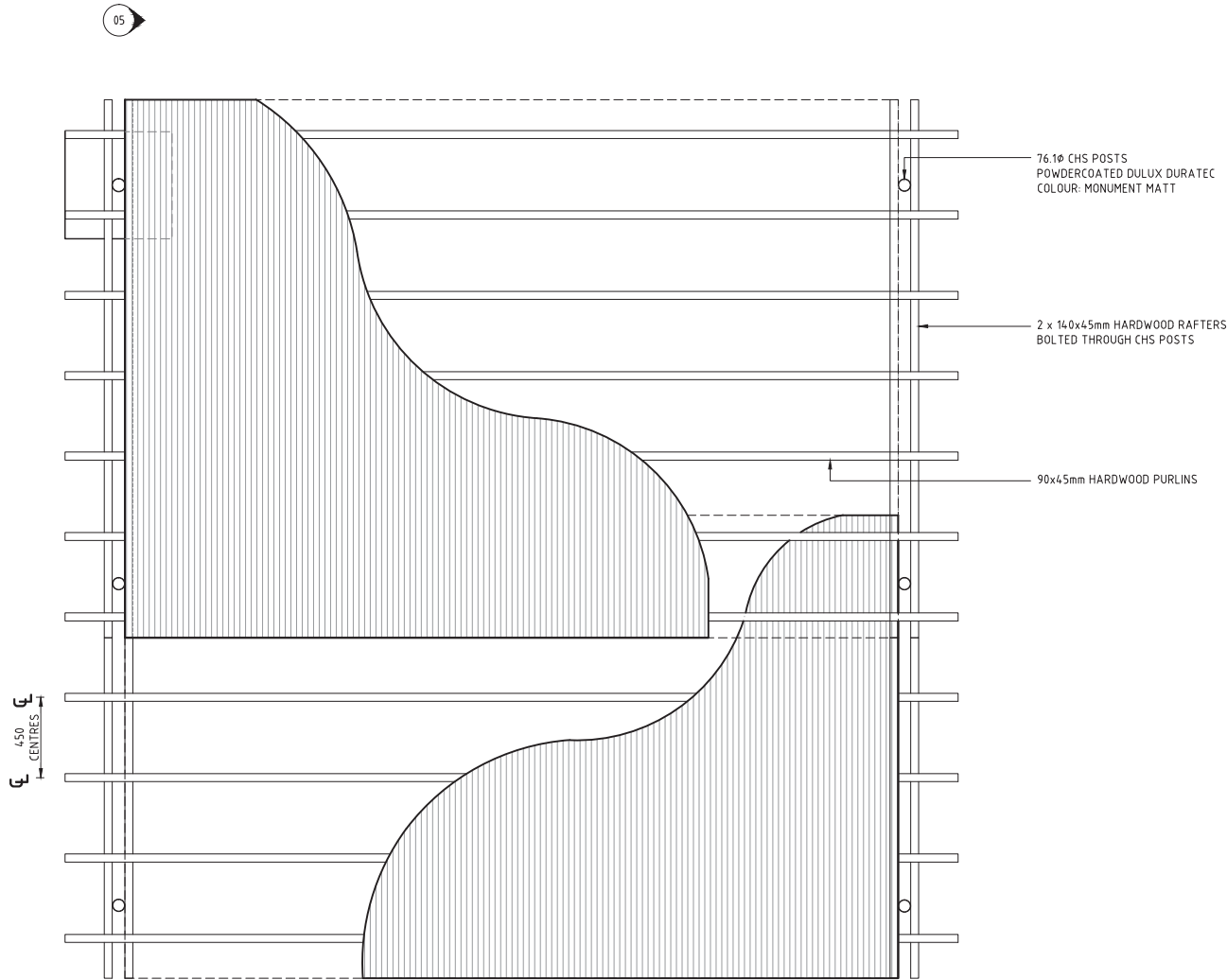


03 SHELTER ELEVATION  
SCALE 1:50

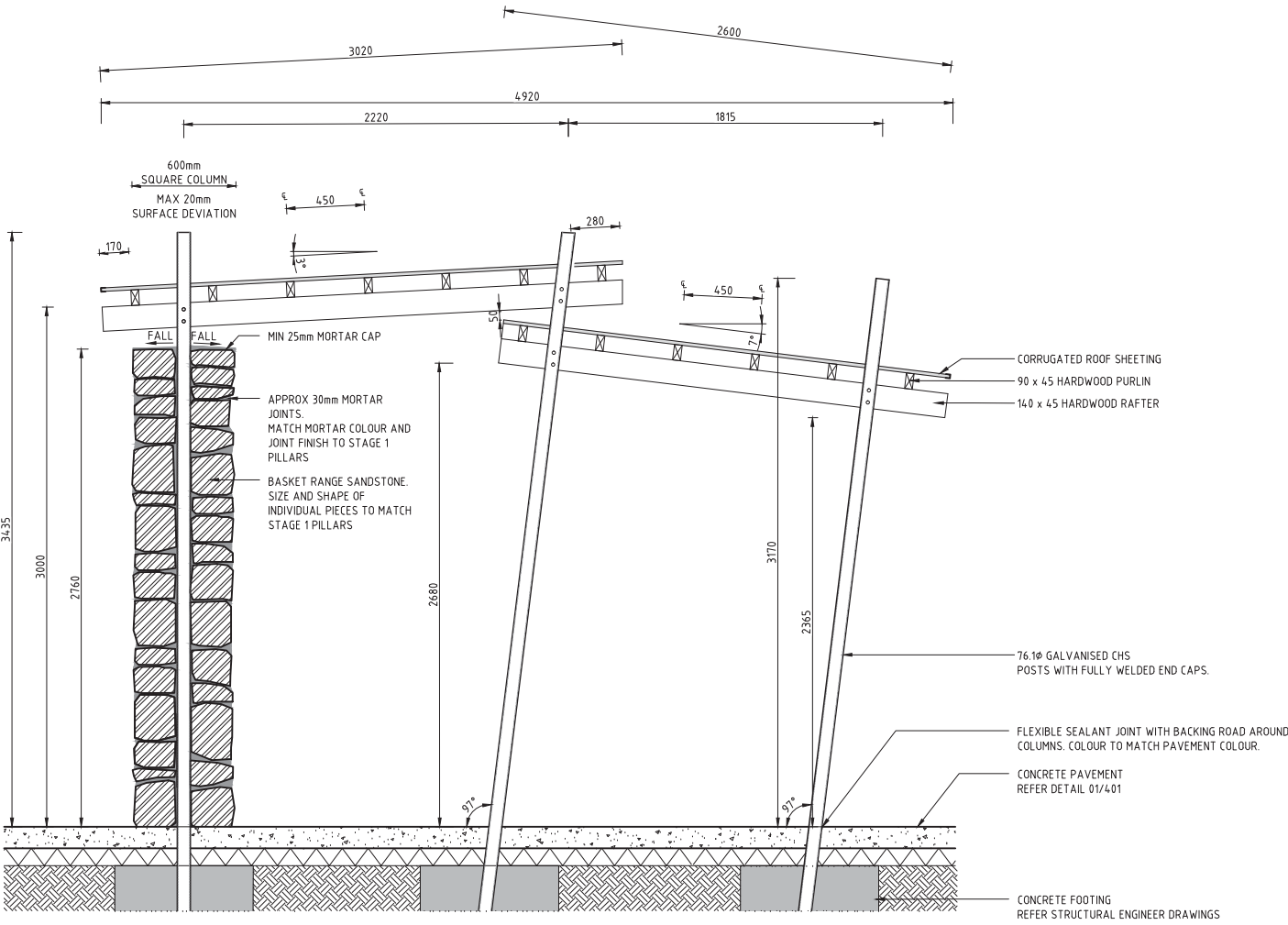


04 SHELTER ELEVATION  
SCALE 1:50

- NOTES:
1. REFER STRUCTURAL ENGINEER FOR ALL STRUCTURAL DETAILS.
  2. TIMBER POSTS AND BATTENS TO BE KILN DRIED, DAB, FSC CERTIFIED, SELECT TIMBER FREE FROM KNOTS AND GUM VEINS.
  3. TIMBER RAFTERS AND BATTENS TO BE WASHED WITH TIMBER WASH BEFORE INSTALLATION.
  4. TIMBER RAFTERS AND BATTENS TO BE TREATED WITH PENETRATING AUSTRALIAN TIMBER OIL ONCE BEFORE INSTALLATION AND ONCE AFTER INSTALLATION. CABOTS 'AQUADECK'.
  5. CONTRACTOR TO MONITOR LEACHING FROM TIMBER AND CLEAN ALL AFFECTED AREAS AND ENSURE NO STAINING TO CONCRETE OCCURS.
  6. NON SACRIFICIAL ANTI-GRAFFITI COATING TO ALL COLUMNS AND PILLARS.



02 SHELTER PLAN  
SCALE 1:20



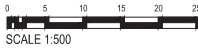
05 SHELTER SECTION  
SCALE 1:20

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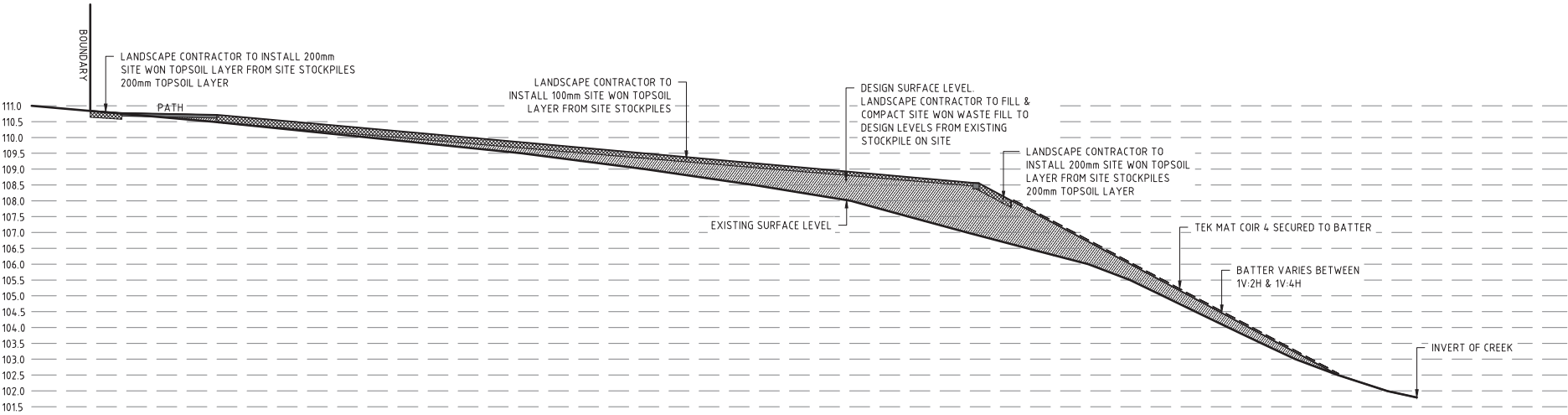
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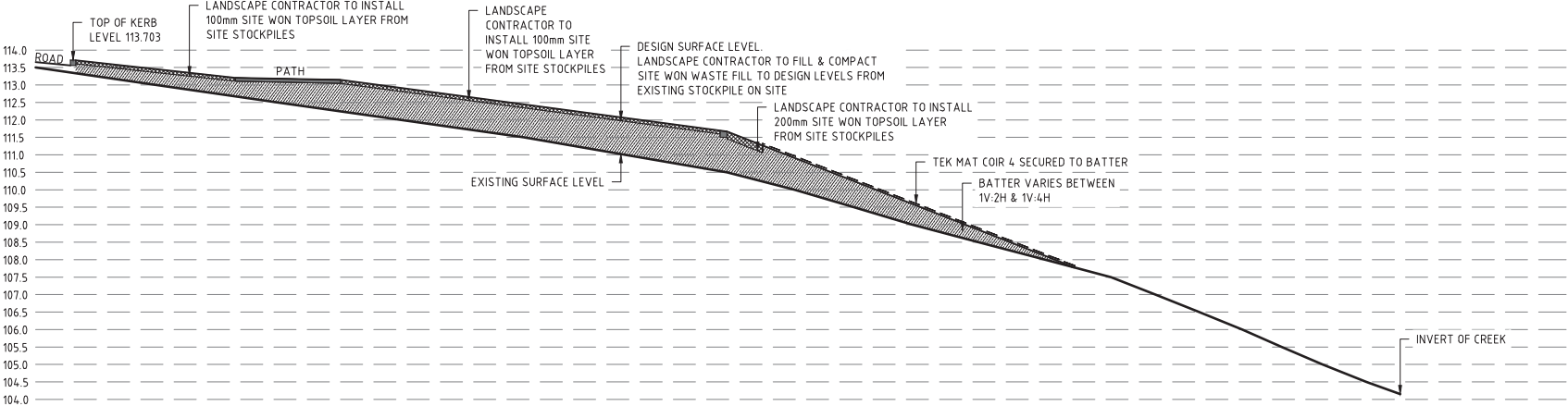
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TYPICAL SECTION A  
SCALE 1:50



TYPICAL SECTION B  
SCALE 1:50

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CODE ON DRAWINGS	DESCRIPTION	MATERIALS	FINISHES / TOLERANCES	FIXING	GENERAL NOTES	SHOP DRAWINGS REQUIRED	SAMPLES / SUBMISSIONS REQUIRED	INSPECTIONS REQUIRED	TESTS REQUIRED	PREQUALIFIED SUPPLIERS
-	ELECTRICAL SYSTEM	-	SWITCHBOARD ENCLOSURE POWDERCOATED 'WILDERNESS'	SUB-SURFACE MOUNT	REFER GENERAL NOTES ON DRAWINGS	- ELECTRICAL SWITCHBOARD ENCLOSURE SHOP DRAWINGS SHOWING (AT A MINIMUM) RETAILER METER, DOUBLE GPO, IRRIGATION CONTROLLER & MODEM.	- CERTIFICATION OF CONFORMANCE WITH AS/NZS 3000, FOR ELECTRICAL SERVICES. - SCHEMATIC DRAWING OR SHOP DRAWING OF ELECTRICAL SYSTEM DESIGN	- SET OUT OF SWITCHBOARD LOCATION BEFORE LAYING CONDUITS		LAI INDUSTRIES (SWITCHBOARD ENCLOSURE)
-	IRRIGATION SYSTEM	-	-	-	-	IF ALTERNATIVE SYSTEM IS PROPOSED, FULL DESIGN DOCUMENTS ARE REQUIRED	- BACKFLOW PREVENTION CERTIFICATE TO RELEVANT AS	- SET OUT OF SYSTEM BEFORE EXCAVATION E.G WATER SUPPLY ASSEMBLY, BACKFLOW, MASTER VALVE, FLOW SENSOR, CONTROLLER, MAIN LINES, VALVE BOXES, ISOLATION POINTS, GROUNDING POINTS, AND SPRINKLER LOCATIONS. - MAIN LINES, CONTROL CABLES AND VALVE ASSEMBLIES BEFORE BACKFILLING. - DRIP HEADER AND DRIP TUBES INSTALLED, INCLUDING CONNECTIONS, BEFORE COVERING WITH MULCH OR OTHER MATERIAL.	- PRESSURE TEST ON MAIN LINE AS PER SPECIFICATION	-
-	EXPOSED AGGREGATE CONCRETE PAVEMENT	CONCRETE	EXPOSED AGGREGATE TO MATCH EXISITING CONCRETE PAVEMENT ON SITE				- 1x1m² TEST PANEL TO BE PROVIDED BEFORE COMMENCING PAVING WORKS.	- SET OUT OF ALL PATHS BEFORE LAYING BASE COURSE	- COMPACTION TESTS REQUIRED ON SUB-GRADE AND BASE COURSE AS PER SPECIFICATION - SLIP RESISTANCE TEST OF COMPLETED INSTALLATIONS	
	CEMENT TREATED QUARRY RUBBLE							- SET OUT OF ALL PATHS BEFORE LAYING BASE COURSE	- COMPACTION TESTS REQUIRED ON SUB-GRADE AND BASE COURSE AS PER SPECIFICATION	
CE	CONCRETE EDGE	- REFER DETAIL DRAWINGS		-		-		- SET OUT OF ALL EDGING		
	STONE WALL	WALL - KANMANTOO BLUESTONE ROCKWORK		AS PER DETAILS ON SHEET 17-1548-402	- STONE PATTERN AS PER DRAWINGS AND TO MATCH EXISTING ROCK WALLS ON SITE	-	- 1x1m² TEST PANEL TO BE PROVIDED BEFORE COMMENCING PAVING WORKS.	- SET OUT OF WALL - REINFORCEMENT IN PLACE BEFORE POURING	- COMPACTION TESTS REQUIRED ON SUB-GRADE AND BASE COURSE AS PER SPECIFICATION - SLIP RESISTANCE TEST OF COMPLETED INSTALLATIONS	
-	TREE PLANTING	-	-	-	-	-	- SUBMIT PHOTOGRAPHIC EXAMPLES OF EACH SPECIES ALONG WITH TREE INSPECTION REPORT  - 100MM RADIUS CYLINDER OF SOIL REMOVED FROM AROUND TRUNK TO CLEARLY SHOW ROOT BUTTRESS AND ALL FIRST ORDER ROOT DIRECTIONS (AND IF SECOND ORDER ROOTS ARE NOT EMANATING FROM FIRST ORDER ROOTS AS PER AS2303) - FIRST, SECOND AND THIRD ORDER ROOTS CLEARLY VISIBLE IN PHOTOGRAPH - ENTIRE DEPTH OF PLANTING CONTAINER (FROM TOP OF SOIL LINE TO BOTTOM OF POT) - 55% OF PLANTING MEDIUM REMOVED MINIMUM	CONTRACTOR TO ORGANISE INSPECTION AT NURSERY AND INVITE SUPERINDENDENT, PRINCIPAL & COUNCIL REPRESENTATIVE. FOR ALL TREES, PROVIDE TREE INSPECTION REPORT FOR APPROVAL BY THE TOWN OF GAWLER AND SUPERINTENDENT CONTAINING FOLLOWING INFORMATION: - SUPPLIER OF TREES - SOURCE OF SUPPLY OF TREES (I.E. THE NURSERY THE TREES WERE GROWN AT) - BRIEF HISTORY OF TREE PROPAGATION (E.G. PLANTED DIRECTLY INTO 45LT ROCKET POT FROM BARE ROOT STOCK OBTAINED FROM XXX SUPPLIER AT XXX DATE. NURSERY PRACTICES DURING GROWING PERIOD WERE XXX ETC.) - REPRESENTATIVE PHOTOGRAPHS OF TREE FORM PER BATCH WITH REFERENCE OBJECTS INCLUDED IN PHOTOGRAPHS - PHOTOGRAPHS OF NON-DESTRUCTIVE ROOT TEST, CLEARLY SHOWING: - ROOT BUTTRESS DEPTH IN POT	- NON DESTRUCTIVE ROOT TESTING TO AS2303	FRESHFORD NURSERY (SA)
-	UNDERSTOREY PLANTING	-	-	-	-	-		-TRIAL SET OUT OF 10 sqm OF PLANTING FOR EACH TYPE.		
	HYDROSEED	ALL SEASONS KIKUYU BLEND (GLOBE)		-	IF SUBSTITUTE PRODUCT PROPSED, BLEND MIX MUST BE APPROVED PRIOR TO INSTALLATION	-	- SUBMIT SUPPLIER'S DATA OF MATERIAL SOURCE OF SUPPLY			GLOBE
SEAT	MONACO TABLE SETTING (TERRAIN GROUP)	BATTENS: ROSEWOOD TIMBER FRAME: ALUMINIUM POWDERCOATED MONUMENT MATT		LEGS BOLT DOWN		-				TERRAIN
TABLE & CHAIR SETTING	MONACO SEAT (TERRAIN GROUP)	BATTENS: ROSEWOOD TIMBER FRAME: ALUMINIUM POWDERCOATED MONUMENT MATT		LEGS BOLT DOWN						TERRAIN
BIN	240L MILDURA BIN ENCLOSURE (WITH COWL)	POWDER COATED ZINC PLATED STEEL	POWDERCOATED MONUMENT MATT	SURFACE FIXING	- TO INCLUDE 240L COUNCIL STANDARD BIN WITH BIN ENCLOSURE					SPARK
-	SHELTER	CUSTOM BUILT - REFER DETAILS ON 17-1548-403	REFER DETAILS ON 17-1548-403	REFER DETAILS ON 17-1548-403		-	- SUBMIT SUPPLIER'S DATA OF MATERIAL SOURCE OF SUPPLY - SUBMIT SAMPLE OF MONUMENT MATT POWDERCOATING ON 300mm LONG CHS	- SET OUT OF SHELTER		
	TIMBER BALANCING LOG	REFER DETAIL ON 04/402	REFER DETAIL ON 04/402	REFER DETAIL ON 04/402				- SET OUT / PLACEMENT PRIOR TO SETTING IN CONCRETE		
	STEPPING LOGS	REFER DETAIL ON 02/402	REFER DETAIL ON 02/402	REFER DETAIL ON 02/402				- SET OUT / PLACEMENT PRIOR TO SETTING IN CONCRETE		
	NATURE PLAY ROCKS	REFER DETAIL ON 03/402	REFER DETAIL ON 03/402	REFER DETAIL ON 03/402				- SET OUT / PLACEMENT PRIOR TO SETTING IN CONCRETE		
P1	PROLUDIC SPRINGER - HATTIE THE HELICOPTER (J836)			INSTALL AS PER MANUFACTURERS RECCOMENDATION				- SET OUT / PLACEMENT PRIOR TO FIXING		PROLUDIC
P2	PROLUDIC SPRINGER - BIKY THE BIKE (835)			INSTALL AS PER MANUFACTURERS RECCOMENDATION				- SET OUT / PLACEMENT PRIOR TO FIXING		PROLUDIC

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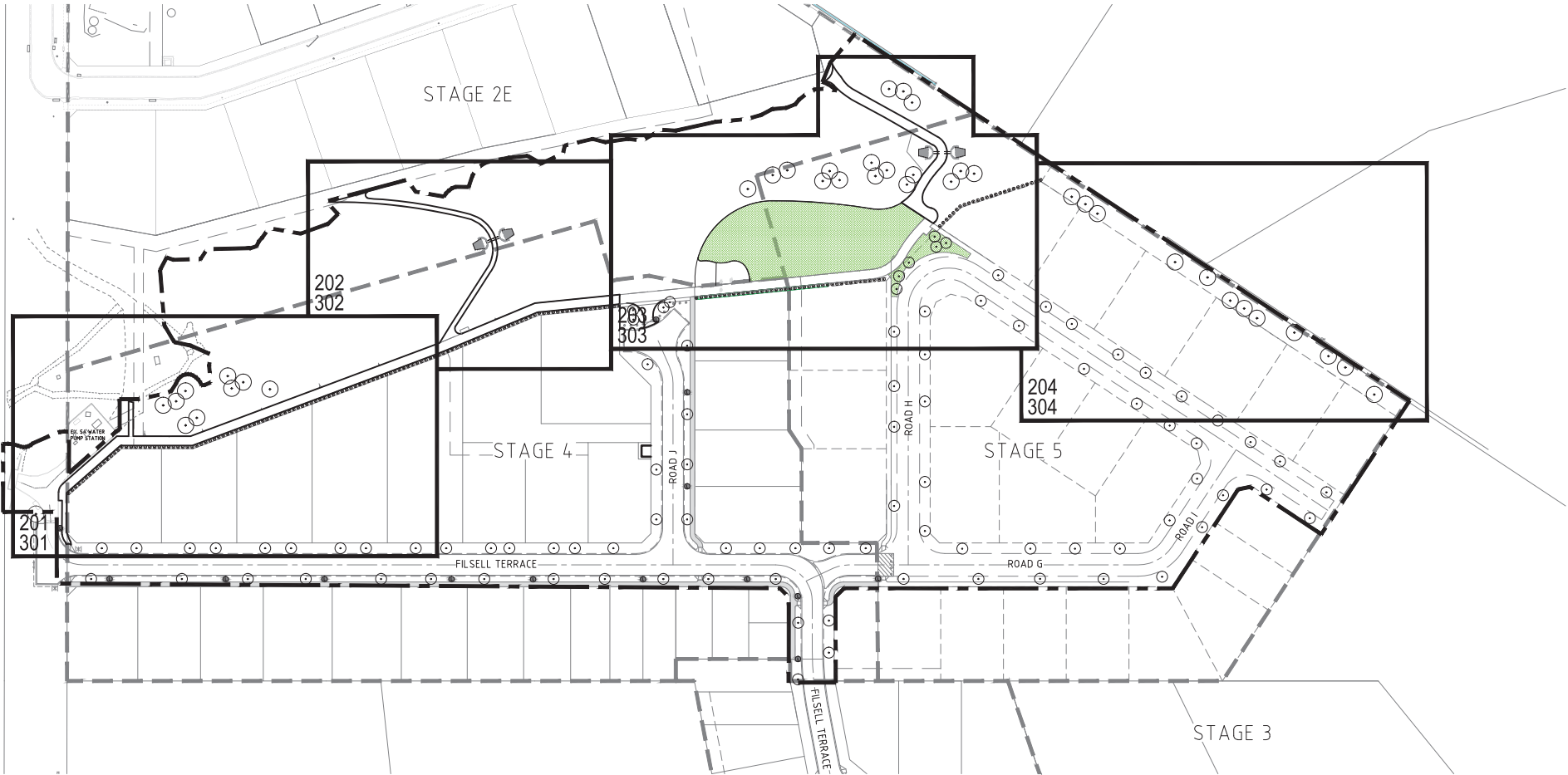
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MATERIALS & FINISHES SCHEDULE

DRAWING NUMBER  
17-1548-501

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A

WOODVALE  
STAGE 4 & 5  
LANDSCAPE WORKS



SHEET	DRAWING
17-1548-001	INDEX & LOCALITY PLAN
17-1548-101	STREET TREES - STAGE 4
17-1548-102	STREET TREES - STAGE 5
17-1548-103	REVEGETATION LANDSCAPE PLAN
17-1548-201	RESERVE LANDSCAPE PLAN SHEET 1 OF 4
17-1548-202	RESERVE LANDSCAPE PLAN SHEET 2 OF 4
17-1548-203	RESERVE LANDSCAPE PLAN SHEET 3 OF 4
17-1548-204	RESERVE LANDSCAPE PLAN SHEET 4 OF 4
17-1548-301	IRRIGATION PLAN SHEET 1 OF 4
17-1548-302	IRRIGATION PLAN SHEET 2 OF 4
17-1548-303	IRRIGATION PLAN SHEET 3 OF 4
17-1548-304	IRRIGATION PLAN SHEET 4 OF 4
17-1548-305	IRRIGATION DETAILS
17-1548-401	LANDSCAPE DETAILS SHEET 1 OF 3
17-1548-402	LANDSCAPE DETAILS SHEET 2 OF 3
17-1548-403	LANDSCAPE DETAILS SHEET 3 OF 3
17-1548-404	LANDSCAPE SECTIONS
17-1548-501	MATERIALS & FINISHES SCHEDULE

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A	25.09.17	CLIENT ISSUE	JP	GS	JP

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APPROVED JP	DATE 20.11.17

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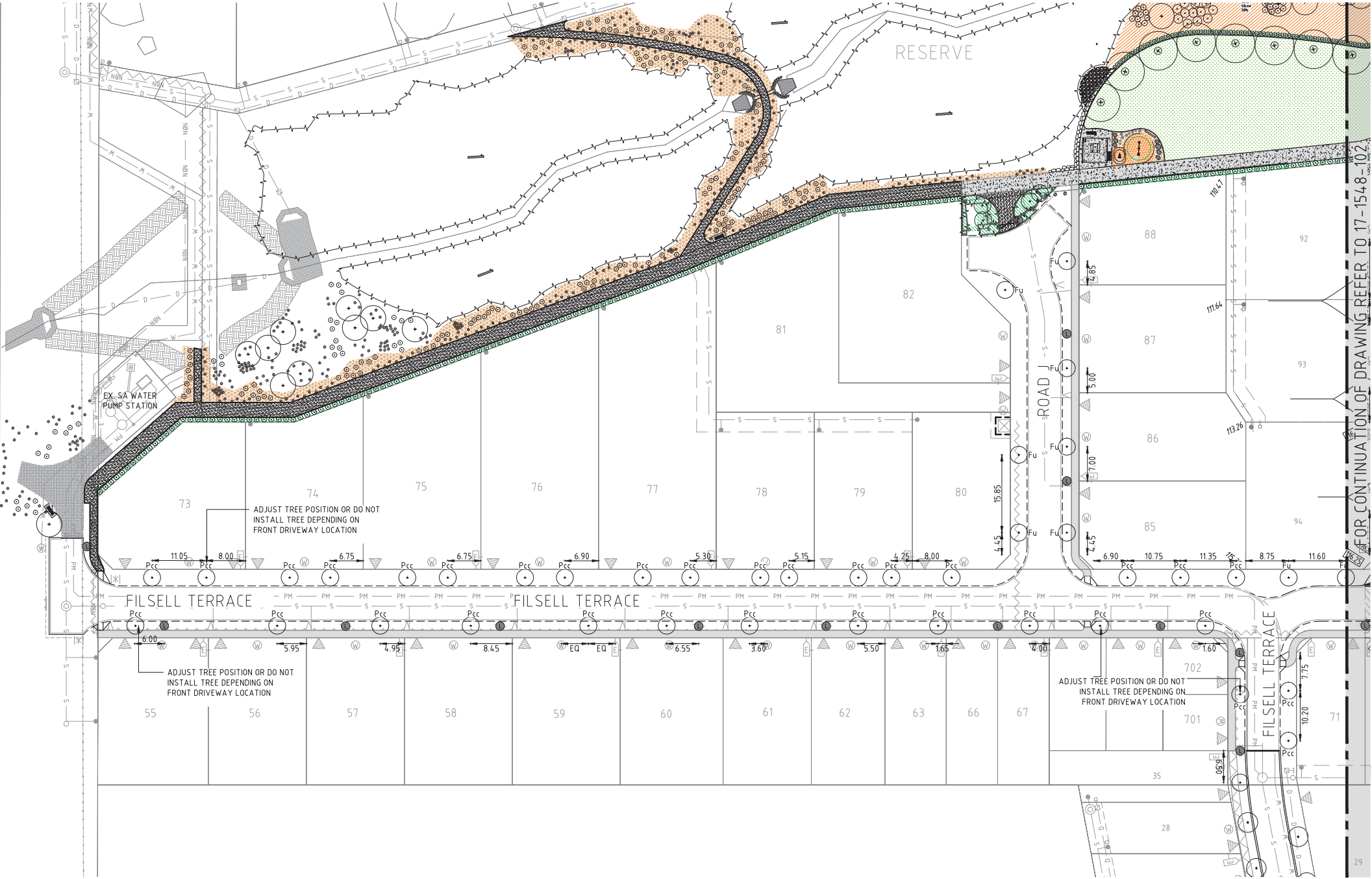
CLIENT  
BENTLEY DEVELOPMENT GROUP PTY LTD  
  
PROJECT  
WOODVALE STAGE 4 LANDSCAPE  
GAWLER SOUTH



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DRAWING NUMBER 17-1548-001	

TOWN OF GAWLER  
INFRASTRUCTURE & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
AGENDA 10 APRIL 2018



LEGEND

- NEW TREE  
REFER DETAIL 07/401
- LIGHT  
(APPROXIMATE LOCATION.  
REFER ONSITE)

STREET TREES (ALL SHEETS)

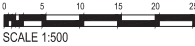
ABB.	SPECIES	SIZE	QTY.
Fu	Fraxinus 'Urbanite'	45L	49
Pcc	Pyrus calleryana 'Chanticleer'	45L	33

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DRAWN GS	DRAFTING CHECK JP
APPROVED JP	DATE 20.11.17



CLIENT  
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PROJECT  
WOODVALE STAGE 4 LANDSCAPE  
GAWLER SOUTH

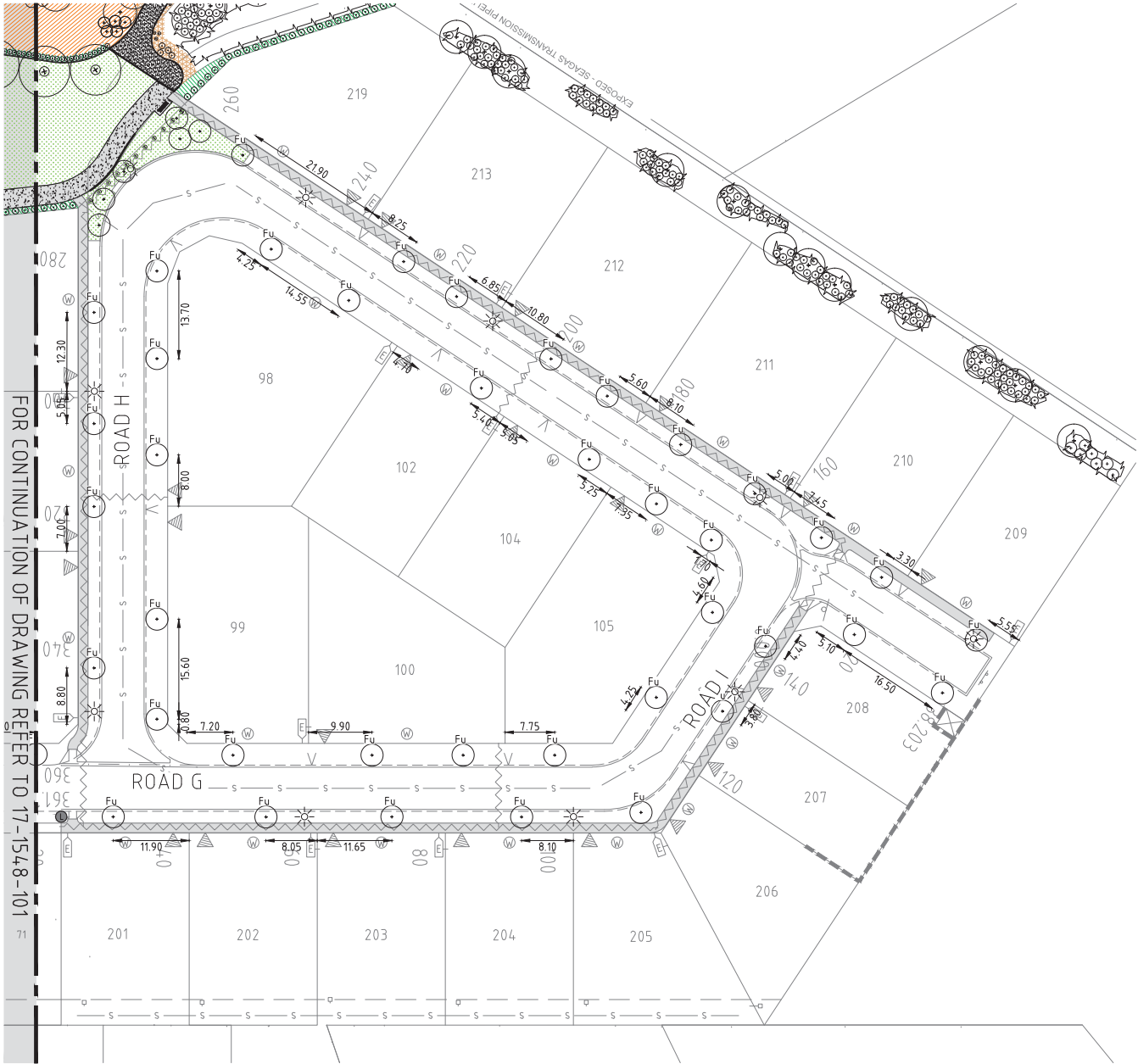


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DRAWING STREET TREES - STAGE 4	
DRAWING NUMBER 17-1548-101	



LEGEND

- NEW TREE  
REFER DETAIL 07/401
- LIGHT  
(APPROXIMATE LOCATION.  
REFER ONSITE)

STREET TREES (ALL SHEETS)

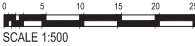
ABB.	SPECIES	SIZE	QTY.
Fu	Fraxinus 'Urbanite'	45L	49
Pcc	Pyrus calleryana 'Chanticleer'	45L	33

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DRAWN	DRAFTING CHECK
GS	JP
APPROVED	DATE
JP	20.11.17



CLIENT  
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PROJECT  
WOODVALE STAGE 4 LANDSCAPE  
GAWLER SOUTH



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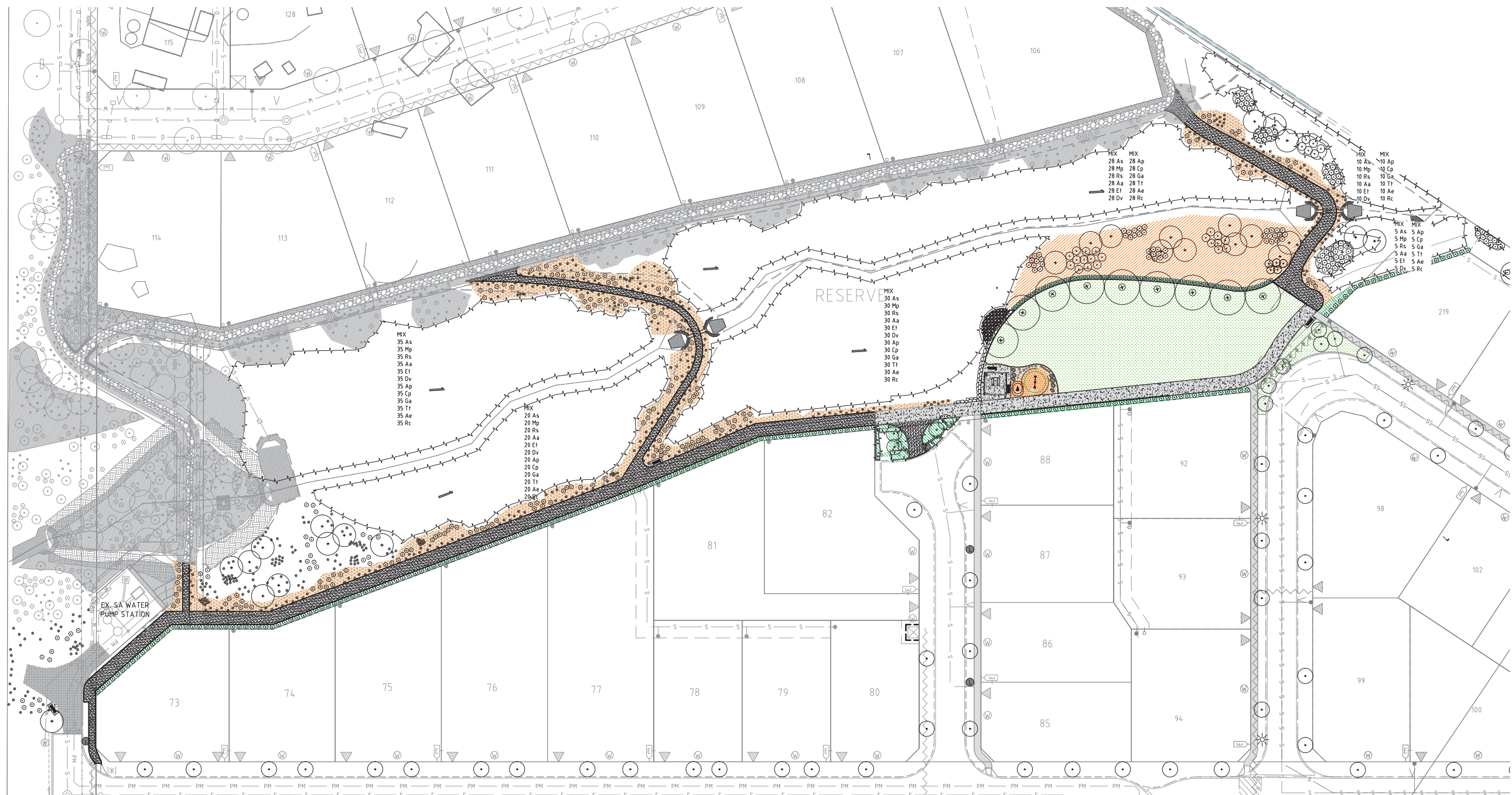
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DRAWING	STREET TREES - STAGE 5
DRAWING NUMBER	17-1548-102
REVISION	C



TOWN OF GAWLER  
INFRASTRUCTURE & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
AGENDA 10 APRIL 2018



LEGEND

PLANTING  
REFER DETAIL 06/401

REVEGETATION PLANTING (THIS SHEET ONLY)

ABB.	SPECIES	SIZE	QTY.
As	Atriplex semibaccata	tube	128
Mp	Myoporum insulare	tube	128
Rs	Rhagodia spinescens	tube	128
Aa	Acacia acutata	tube	128
Et	Enchylaena tomentosa	tube	128
Dv	Dodonea viscosa	tube	128
Ap	Acacia pycnantha	tube	128
Cp	Carpobrotus rossii	tube	128
Ga	Goodenia amplexans	tube	128
Tt	Themeda triandra	tube	128
Ae	Austrostipa elegantissima	tube	128
Rc	Rytidosperma caespitosum	tube	128

NOTE:  
1. TO BE PLANTED IN GROUPS OF 3, 5, 7 or 9

NOTE:

GULLY PLANTING TO BE INSTALLED IN MAY OR JUNE ONLY (2018 or 2019  
DEPENDENT ON PROGRESS OF PROJECT). 6 X SUMMER HAND WATERINGS OVER  
THE FOLLOWING SUMMER.  
GULLY AREA NOT TO BE INCLUDED IN CONTRACT WORKS OR FORM PART OF  
COUNCIL PRACTICAL COMPLETION OR FINAL COMPLETION.

NOT FOR CONSTRUCTION

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APPROVED JP	DATE 05.02.18

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CLIENT  
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PROJECT  
WOODVALE STAGE 4 LANDSCAPE  
GAWLER SOUTH



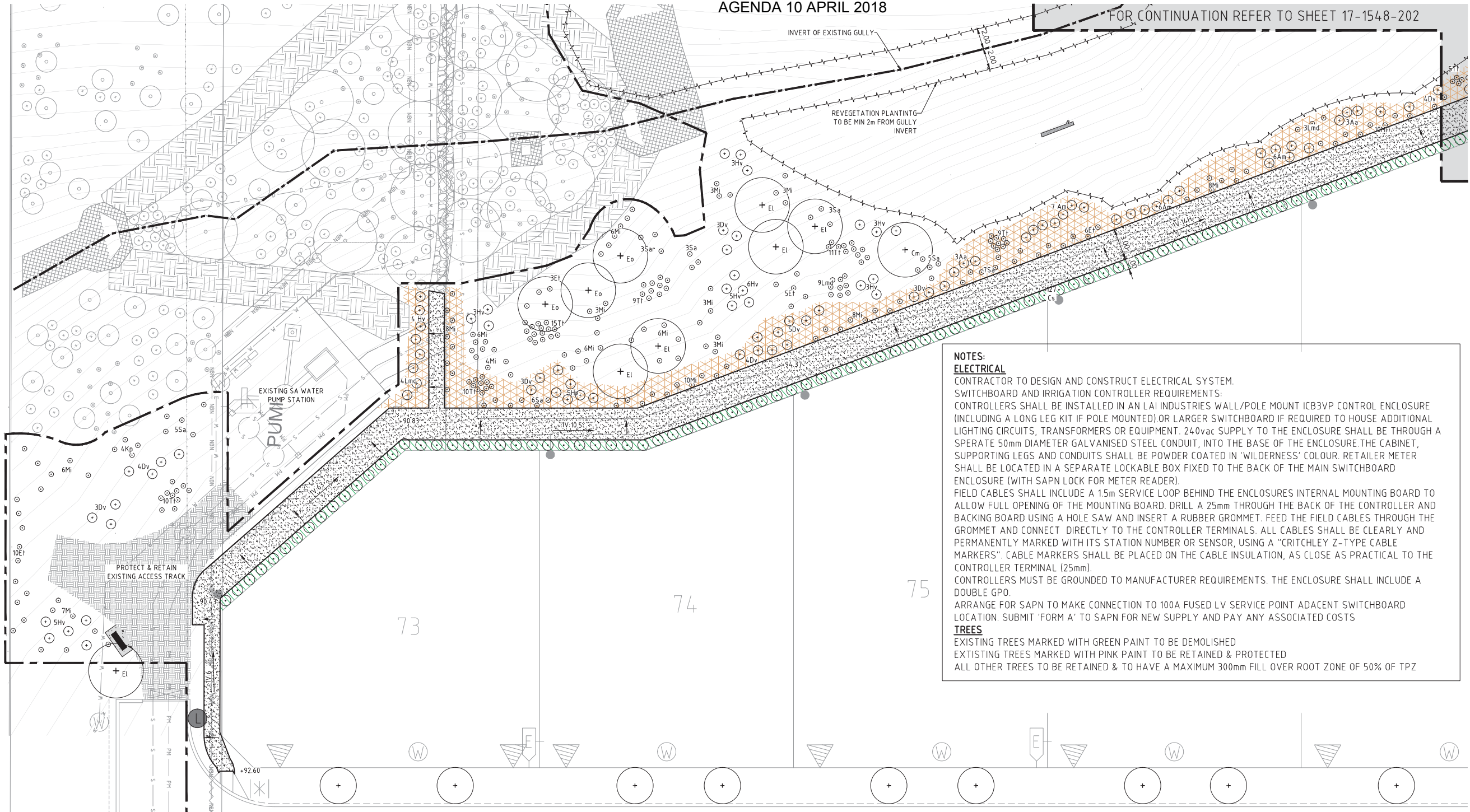
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DRAWING NUMBER 17-1548-103	



TOWN OF GAWLER  
INFRASTRUCTURE & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
AGENDA 10 APRIL 2018



**NOTES:**  
**ELECTRICAL**  
CONTRACTOR TO DESIGN AND CONSTRUCT ELECTRICAL SYSTEM.  
SWITCHBOARD AND IRRIGATION CONTROLLER REQUIREMENTS:  
CONTROLLERS SHALL BE INSTALLED IN AN LAI INDUSTRIES WALL/POLE MOUNT ICB3VP CONTROL ENCLOSURE (INCLUDING A LONG LEG KIT IF POLE MOUNTED) OR LARGER SWITCHBOARD IF REQUIRED TO HOUSE ADDITIONAL LIGHTING CIRCUITS, TRANSFORMERS OR EQUIPMENT. 240vac SUPPLY TO THE ENCLOSURE SHALL BE THROUGH A SPERATE 50mm DIAMETER GALVANISED STEEL CONDUIT, INTO THE BASE OF THE ENCLOSURE THE CABINET, SUPPORTING LEGS AND CONDUITS SHALL BE POWDER COATED IN 'WILDERNESS' COLOUR. RETAILER METER SHALL BE LOCATED IN A SEPARATE LOCKABLE BOX FIXED TO THE BACK OF THE MAIN SWITCHBOARD ENCLOSURE (WITH SAPN LOCK FOR METER READER).  
FIELD CABLES SHALL INCLUDE A 15m SERVICE LOOP BEHIND THE ENCLOSURES INTERNAL MOUNTING BOARD TO ALLOW FULL OPENING OF THE MOUNTING BOARD. DRILL A 25mm THROUGH THE BACK OF THE CONTROLLER AND BACKING BOARD USING A HOLE SAW AND INSERT A RUBBER GROMMET. FEED THE FIELD CABLES THROUGH THE GROMMET AND CONNECT DIRECTLY TO THE CONTROLLER TERMINALS. ALL CABLES SHALL BE CLEARLY AND PERMANENTLY MARKED WITH ITS STATION NUMBER OR SENSOR, USING A "CRITCHLEY Z-TYPE CABLE MARKERS". CABLE MARKERS SHALL BE PLACED ON THE CABLE INSULATION, AS CLOSE AS PRACTICAL TO THE CONTROLLER TERMINAL (25mm).  
CONTROLLERS MUST BE GROUNDED TO MANUFACTURER REQUIREMENTS. THE ENCLOSURE SHALL INCLUDE A DOUBLE GPO.  
ARRANGE FOR SAPN TO MAKE CONNECTION TO 100A FUSED LV SERVICE POINT ADACENT SWITCHBOARD LOCATION. SUBMIT 'FORM A' TO SAPN FOR NEW SUPPLY AND PAY ANY ASSOCIATED COSTS  
**TREES**  
EXISTING TREES MARKED WITH GREEN PAINT TO BE DEMOLISHED  
EXISTING TREES MARKED WITH PINK PAINT TO BE RETAINED & PROTECTED  
ALL OTHER TREES TO BE RETAINED & TO HAVE A MAXIMUM 300mm FILL OVER ROOT ZONE OF 50% OF TPZ

LEGEND

- EXTENT OF WORKS
- DESIGN LEVEL
- GRADE OF FINISHED SURFACE LEVEL (ARROW POINTS DOWNHILL)
- EXISTING CONTOUR
- NEW TREE REFER DETAIL 08/09/401

- LIGHT (APPROXIMATE LOCATION, REFER ON SITE)
- TEC MAT COIR & EROSION CONTROL MATTING INSTALL AS PER M SPECIFICATION
- INSITU CONCRETE PAVING REFER DETAIL 01/401
- BIN REFER SHEET 501

- 75mm LAYER JEFFRIES 'LANDSCAPERS CHOICE' REFER DETAIL 05/402
- HYDROSEED REFER DETAIL 04/401
- CEMENT TREATED RUBBLE REFER DETAIL 02/401
- COMPACTED FINES REFER DETAIL 01/402
- RUBBER CRUMB SOFTFALL REFER DETAIL 07/402

- PLANTED BED PROFILE REFER DETAIL 05/402
- PLANTING REFER DETAIL 06/401
- CONCRETE EDGE REFER DETAIL 03/401
- BENCH SEAT REFER SHEET 501
- DENOTES PAVING FALL OF 2% (ARROW POINTS DOWNHILL)

- NATURAL BLUESTONE ROCKWORK TERRACE. REFER DETAIL 05/402
- NATURE PLAY ROCKS REFER DETAIL 03/402
- TIMBER BALANCING LOG REFER DETAIL 04/402
- PICNIC SETTING REFER SHEET 501
- FALLEN LOG SALVAGED FROM SITE

- TIMBER STEPPING LOG REFER DETAIL 02/402
- PROLUDIC J843 REFER SHEET 501
- PROLUDIC J2410 REFER SHEET 501
- ELECTRICAL SWITCHBOARD LOCATION

TREES (ALL SHEETS)

ABB.	SPECIES	SIZE	QTY.
Cm	Corymbia maculata	45L	10
Co	Eucalyptus odorata	25L	12
El	Eucalyptus leucosylon	25L	24
Em	Eucalyptus microcarpa	25L	2
Pc	Prunus 'Oakville Crimson Spire'	25L	10

PLANTING (ALL SHEETS)

ABB.	SPECIES	SIZE	QTY.
Aa	Acacia acinacea	tube	14
Ae	Austrobaileya elegantissima	tube	53
Am	Acacia myrtifolia	tube	50
Mi	Myoporum insulare prostrata	tube	222
Cr	Callistemon 'Red Alert'	tube	32
Cs	Callistemon 'Slim'	tube	207
Dv	Dodonaea viscosa	tube	75
Et	Enchylaena tomentosa	tube	154
Go	Grevillea obtusifolia	tube	39
Hv	Hardenbergia violacea	tube	63

ABB.	SPECIES	SIZE	QTY.
Kp	Kennedia prostrata	tube	4
Lmd	Lomandra multiflora ssp. dura	tube	69
Rc	Rhynchospora caespitosa	tube	56
Rp	Rhagodia parabolica	tube	83
Sa	Senna artemisioides	tube	18
Sa	Scaevola alba	tube	76
Tt	Themeda triandra	tube	96
Wz	Westringia 'Zena'	140mm pot	82
An	Anigozanthos 'Bush Rampage'	tube	12

REVEG

ABB.	SPI
As	Atr
Mp	Myr
Rs	Rhy
Aa	Ac
Et	Enc
Dv	Dor
Ap	Ac
Cp	Car
Ga	Gor
Tt	Th
Ae	Au
Rc	Ryl

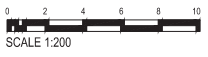
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DESIGN JP	DESIGN CHECK JP
DRAWN GS	DRAFTING CHECK JP
APPROVED JP	DATE 20.11.17



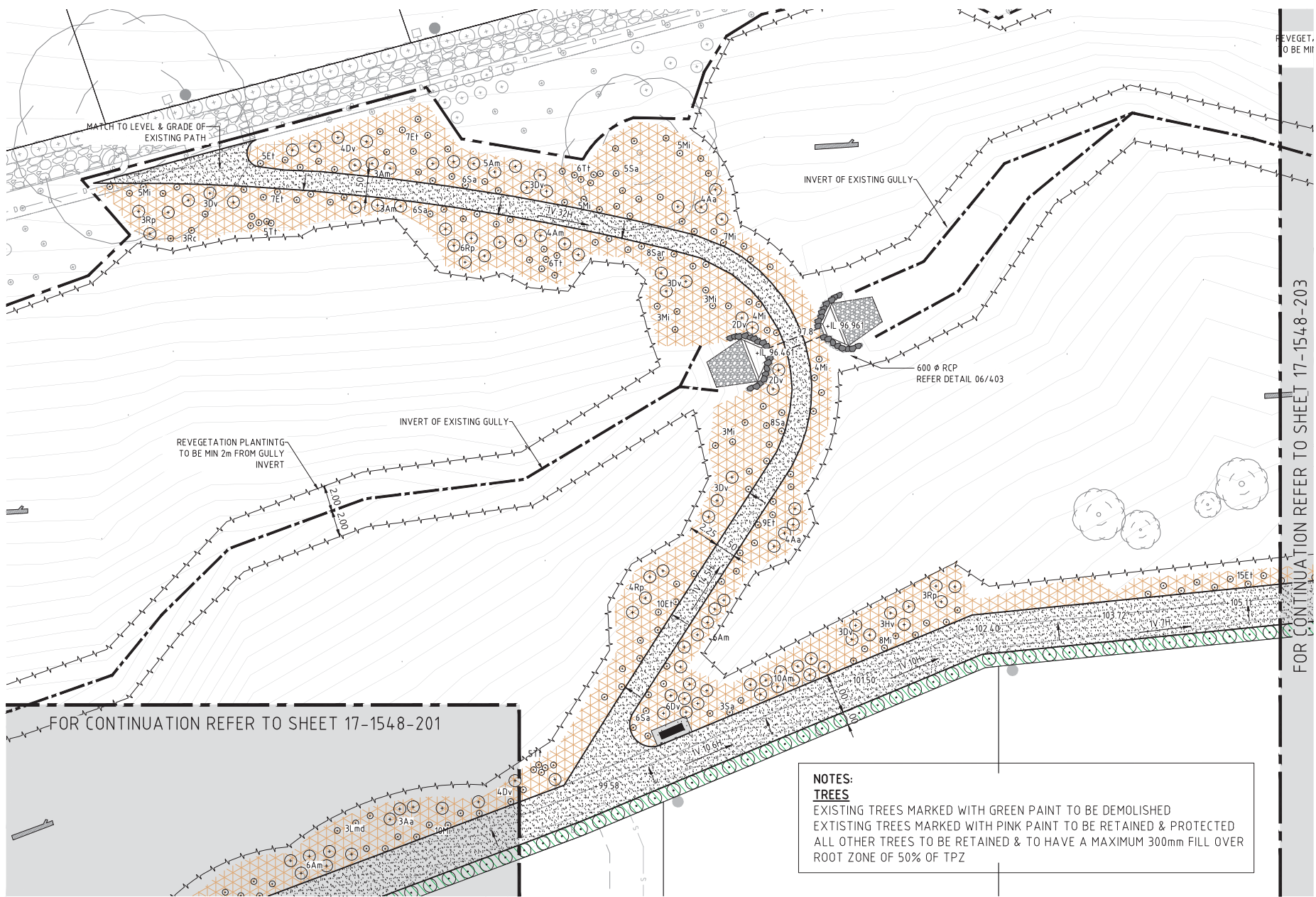
CLIENT  
BENTLEY DEVELOPMENT GROUP PTY LTD  
  
PROJECT  
WOODVALE STAGE 4 LANDSCAPE  
GAWLER SOUTH



STATUS  
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DRAWING  
RESERVE LANDSCAPE PLAN  
SHEET 1 OF 4  
  
DRAWING NUMBER  
17-1548-201  
  
REVISION  
C



TOWN OF GAWLER  
INFRASTRUCTURE & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
AGENDA 10 APRIL 2018



LEGEND

- EXTENT OF WORKS  
+105.50 DESIGN LEVEL  
TV:XH GRADE OF FINISHED SURFACE LEVEL (ARROW POINTS DOWNHILL)  
— EXISTING CONTOUR  
+ NEW TREE REFER DETAIL 08/09/401

- L LIGHT (APPROXIMATE LOCATION, REFER ON SITE)  
TEC MAT COIR & EROSION CONTROL MATTING INSTALL AS PER M SPECIFICATION  
INSITU CONCRETE PAVING REFER DETAIL 01/401  
BIN REFER SHEET 501

- 75mm LAYER JEFFRIES 'LANDSCAPERS CHOICE'  
HYDROSEED REFER DETAIL 04/401  
CEMENT TREATED RUBBLE REFER DETAIL 02/401  
COMPACTED FINES REFER DETAIL 01/402  
RUBBER CRUMB SOFTFALL REFER DETAIL 07/402

- PLANTED BED PROFILE REFER DETAIL 05/401  
PLANTING REFER DETAIL 06/401  
CE CONCRETE EDGE REFER DETAIL 03/401  
BENCH SEAT REFER SHEET 501  
DENOTES PAVING FALL OF 2% (ARROW POINTS DOWNHILL)

- NATURAL BLUESTONE ROCKWORK TERRACE REFER DETAIL 05/402  
NATURE PLAY ROCKS REFER DETAIL 03/402  
TIMBER BALANCING LOG REFER DETAIL 04/402  
PICNIC SETTING REFER SHEET 501  
FALLEN LOG SALVAGED FROM SITE

- TIMBER STEPPING LOG REFER DETAIL 02/402  
PROLUDIC J843 REFER SHEET 501  
PROLUDIC J2410 REFER SHEET 501  
ELECTRICAL SWITCHBOARD LOCATION

TREES (ALL SHEETS)

ABB.	SPECIES	SIZE
Cm	Corymbia maculata	45L
Co	Eucalyptus odorata	25L
El	Eucalyptus leucocylon	25L
Em	Eucalyptus microcarpa	25L
Pc	Prunus 'Oakville Crimson Spire'	25L

PLANTING (ALL SHEETS)

ABB.	SPECIES	SIZE
Aa	Acacia acinacea	tube
Ae	Austrostipa elegantissima	tube
Am	Acacia myrtifolia	tube
Mi	Myoporum insulare prostrata	tube
Cr	Callistemon 'Red Alert'	tube
Cs	Callistemon 'Slim'	tube
Dv	Dodonea viscosa	tube
Et	Enchylaena tomentosa	tube
Go	Grevillea obtusifolia	tube
Hv	Hardenbergia violacea	tube

ABB.	SPECIES	SIZE
Kp	Kennedia prostrata	tube
Lmd	Lomandra multiflora ssp. dura	tube
Rc	Rytidosperma caespitosa	tube
Rp	Rhagodia parabolica	tube
Sar	Senna artemisioides	tube
Sa	Scaevola alba	tube
Tt	Themeda triandra	tube
Wz	Westringia 'Zena'	140mm pot
An	Anigozanthos 'Bush Rampage'	tube

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APPROVED	DATE
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CLIENT  
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PROJECT  
WOODVALE STAGE 4 LANDSCAPE  
GAWLER SOUTH

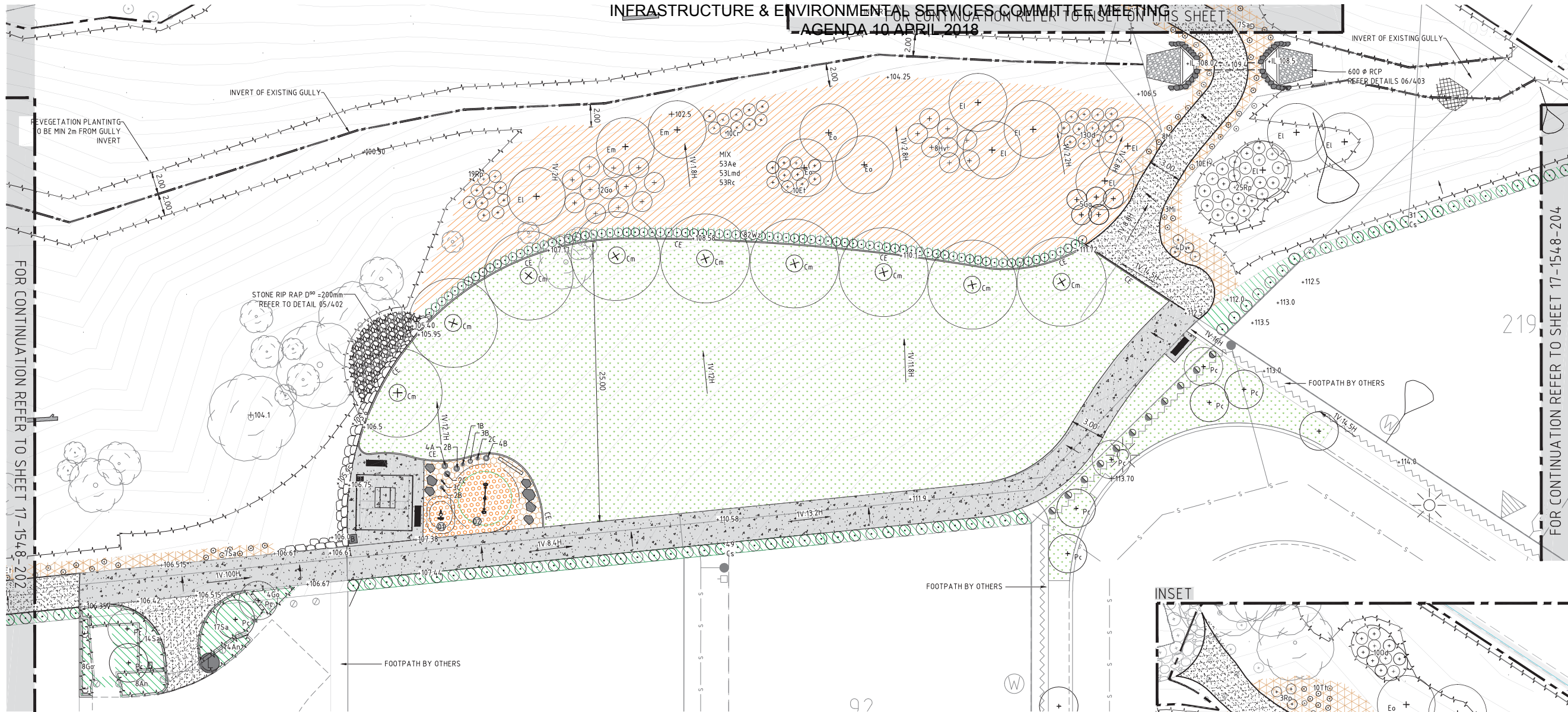


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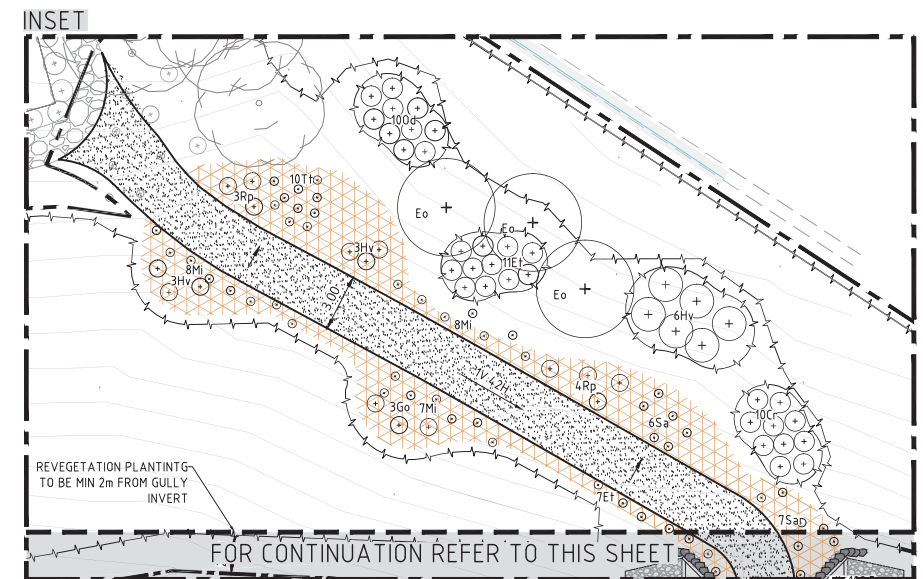
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TOWN OF GAWLER  
INFRASTRUCTURE & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
FOR CONTINUATION REFER TO INSET ON THIS SHEET  
AGENDA 10 APRIL 2018



NOTES:  
TREES  
EXISTING TREES MARKED WITH GREEN PAINT TO BE DEMOLISHED  
EXISTING TREES MARKED WITH PINK PAINT TO BE RETAINED & PROTECTED  
ALL OTHER TREES TO BE RETAINED & TO HAVE A MAXIMUM 300mm FILL OVER  
ROOT ZONE OF 50% OF TPZ



LEGEND

- EXTENT OF WORKS
- DESIGN LEVEL
- GRADE OF FINISHED SURFACE LEVEL (ARROW POINTS DOWNHILL)
- EXISTING CONTOUR
- NEW TREE REFER DETAIL 08/09/401

- LIGHT (APPROXIMATE LOCATION, REFER ON SITE)
- TEC MAT COIR & EROSION CONTROL MATTING INSTALL AS PER M SPECIFICATION
- INSITU CONCRETE PAVING REFER DETAIL 01/401
- BIN REFER SHEET 501

- 75mm LAYER JEFFRIES 'LANDSCAPERS CHOICE' REFER DETAIL 04/401
- HYDROSEED REFER DETAIL 04/401
- CEMENT TREATED RUBBLE REFER DETAIL 02/401
- COMPACTED FINES REFER DETAIL 01/402
- RUBBER CRUMB SOFTFALL REFER DETAIL 07/402

- PLANTED BED PROFILE REFER DETAIL 05/401
- PLANTING REFER DETAIL 06/401
- CONCRETE EDGE REFER DETAIL 03/401
- BENCH SEAT REFER SHEET 501
- DENOTES PAVING FALL OF 2% (ARROW POINTS DOWNHILL)

- NATURAL BLUESTONE ROCKWORK TERRACE REFER DETAIL 05/402
- NATURE PLAY ROCKS REFER DETAIL 03/402
- TIMBER BALANCING LOG REFER DETAIL 04/402
- PICNIC SETTING REFER SHEET 501
- FALLEN LOG SALVAGED FROM SITE

- TIMBER STEPPING LOG REFER DETAIL 02/402
- PROLUDIC J843 REFER SHEET 501
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- ELECTRICAL SWITCHBOARD LOCATION

TREES (ALL SHEETS)

ABB.	SPECIES	SIZE
Cm	Corymbia maculata	45L
Eo	Eucalyptus odorata	25L
Ei	Eucalyptus leucocylon	25L
Em	Eucalyptus microcarpa	25L
Pc	Prunus 'Oakville Crimson Spire'	25L

PLANTING (ALL SHEETS)

ABB.	SPECIES	SIZE
Aa	Acacia acinacea	tube
Ae	Austrostroma elegantissima	tube
Am	Acacia myrtifolia	tube
Mi	Myoporum insulare prostrata	tube
Cr	Callistemon 'Red Alert'	tube
Cs	Callistemon 'Slim'	tube
Dv	Dodonaea viscosa	tube
Et	Enchylaena tomentosa	tube
Go	Grevillea obtusifolia	tube
Hv	Hardenbergia violacea	tube

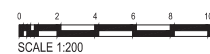
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Lmd	Lomandra multiflora ssp. dura	tube
Rc	Rytidosperma caespitosa	tube
Rp	Rhagodia parabolica	tube
Ss	Senna artemisioides	tube
Sa	Scaevola alba	tube
Tt	Themeda triandra	tube
Wz	Westringia 'Zena'	140mm pot
An	Anigozanthos 'Bush Rampage'	tube

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BENTLEY DEVELOPMENT GROUP PTY LTD

PROJECT  
WOODVALE STAGE 4 LANDSCAPE  
GAWLER SOUTH



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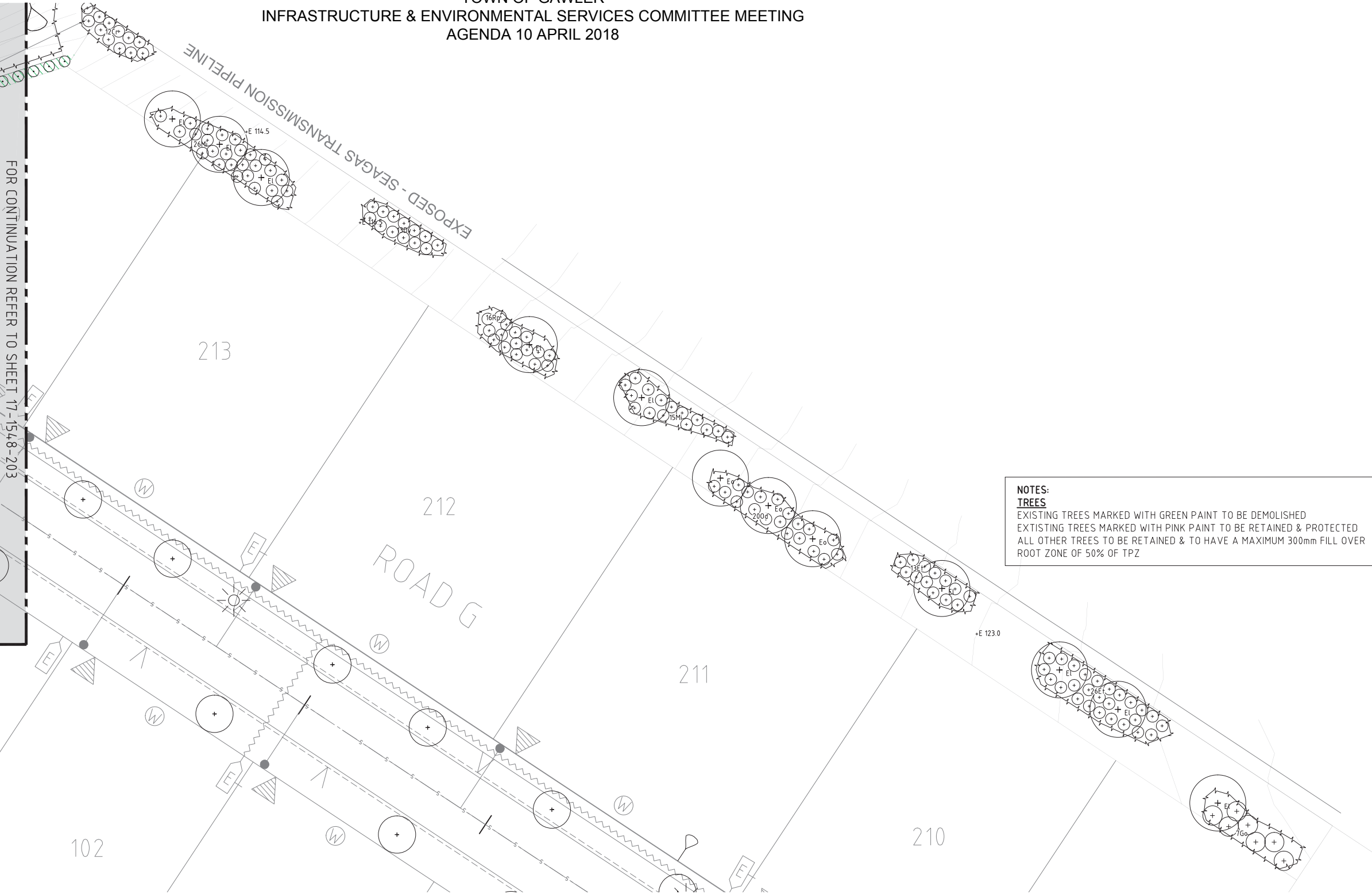
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STATUS PRELIMINARY	REVISION C
DRAWING RESERVE LANDSCAPE PLAN SHEET 3 OF 4	DRAWING NUMBER 17-1548-203



TOWN OF GAWLER  
INFRASTRUCTURE & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
AGENDA 10 APRIL 2018



**NOTES:**  
**TREES**  
EXISTING TREES MARKED WITH GREEN PAINT TO BE DEMOLISHED  
EXISTING TREES MARKED WITH PINK PAINT TO BE RETAINED & PROTECTED  
ALL OTHER TREES TO BE RETAINED & TO HAVE A MAXIMUM 300mm FILL OVER  
ROOT ZONE OF 50% OF TPZ

**LEGEND**

—	EXTENT OF WORKS	⊙	LIGHT (APPROXIMATE LOCATION, REFER ONSITE)	75mm LAYER JEFFRIES 'LANDSCAPERS CHOICE'	▨	PLANTED BED PROFILE REFER DETAIL 05/402	⬢	NATURAL BLUESTONE ROCKWORK TERRACE, REFER DETAIL 05/402.	⬢	TIMBER STEPPING LOG REFER DETAIL 02/402
+105.50	DESIGN LEVEL	▨	TEC MAT COIR & EROSION CONTROL MATTING INSTALL AS PER M SPECIFICATION	HYDROSEED REFER DETAIL 04/401	⬢	PLANTING REFER DETAIL 06/401	⬢	NATURE PLAY ROCKS REFER DETAIL 03/402	⬢	PROLUDIC J843 REFER SHEET 501
TV:XH	GRADE OF FINISHED SURFACE LEVEL (ARROW POINTS DOWNHILL)	▨	INSITU CONCRETE PAVING REFER DETAIL 01/401	CEMENT TREATED RUBBLE REFER DETAIL 02/401	⬢	CONCRETE EDGE REFER DETAIL 03/401	⬢	TIMBER BALANCING LOG REFER DETAIL 04/402	⬢	PROLUDIC J2410 REFER SHEET 501
—	EXISTING CONTOUR	▨	BIN REFER SHEET 501	COMPACTED FINES REFER DETAIL 01/402	⬢	BENCH SEAT REFER SHEET 501	⬢	PICNIC SETTING REFER SHEET 501	⬢	ELECTRICAL SWITCHBOARD LOCATION
+	NEW TREE REFER DETAIL 08/09/401	▨		RUBBER CRUMB SOFTFALL REFER DETAIL 07/402	⬢	→	DENOTES PAVING FALL OF 2% (ARROW POINTS DOWNHILL)	⬢	FALLEN LOG SALVAGED FROM SITE	

**TREES (ALL SHEETS)**

ABB.	SPECIES	SIZE
Cm	Corymbia maculata	45L
Eo	Eucalyptus odorata	25L
Ei	Eucalyptus leucocylon	25L
Em	Eucalyptus microcarpa	25L
Pc	Prunus 'Oakville Crimson Spire'	25L

**PLANTING (ALL SHEETS)**

ABB.	SPECIES	SIZE
Aa	Acacia acinacea	tube
Ae	Austrobaileya elegantissima	tube
Am	Acacia myrtilloides	tube
Mi	Myoporum insulare prostrata	tube
Cr	Callistemon 'Red Alert'	tube
Cs	Callistemon 'Slim'	tube
Dv	Dodonea viscosa	tube
Et	Enchylaena tomentosa	tube
Go	Grevillea obtusifolia	tube
Hv	Hardenbergia violacea	tube

ABB.	SPECIES	SIZE
Kp	Kennedia prostrata	tube
Lmd	Lomandra multiflora ssp. dura	tube
Rc	Rhagodia caespitosa	tube
Rp	Rhagodia parabolica	tube
Sa	Senna artemisioides	tube
Sa	Scaevola alba	tube
Tt	Themeda triandra	tube
Wz	Westringia 'Zena'	140mm pot
An	Anigozanthos 'Bush Rampage'	tube

**NOT FOR CONSTRUCTION**

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GAWLER SOUTH

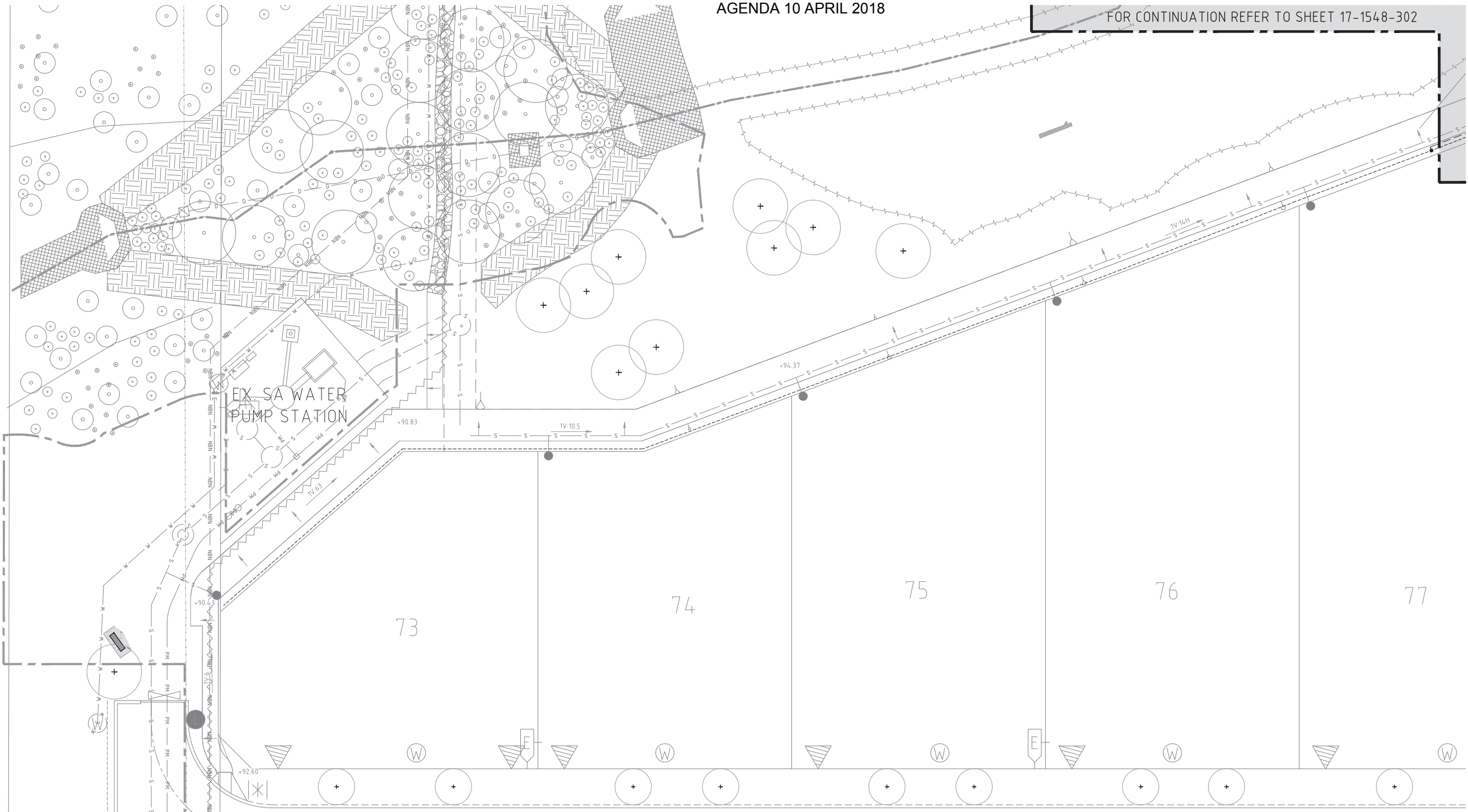


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DRAWING RESERVE LANDSCAPE PLAN SHEET 4 OF 4	
DRAWING NUMBER 17-1548-204	

FOR CONTINUATION REFER TO SHEET 17-1548-302



LEGEND

- 63 MM PN12.5 PE100 HDPE MAIN LINE  
REFER DETAILS 01/02/305
- CLASS 9 PVC LATERALS (SIZE AS SHOWN)  
REFER DETAILS 02/03/305
- 25mm LDPE. REFER DETAIL 03/305.  
WHERE SHOWN IN G.BED RUN AT 50 COVER.
- CONTROL CABLE  
RAIN BIRD PE39 DATA CONTROL CABLE
- DRIPLINE. NETAFIM TECHLINE AS PC 2.0  
L/h @ 300mm SPACING.  
REFER DETAIL 08/305
- IRRIGATION CONDUIT UNDER PATH OR  
STRUCTURE.  
100 UPVC U.N.O

- 40mm POTABLE WATER METER
- 40mm DOUBLE CHECK BACKFLOW  
PREVENTION DEVICE
- RAIN BIRD ESP LYMEF IRRIGATION  
CONTROLLER WITH COMMUNICATION  
CARTRIDGE (12 STATION)
- MASTER VALVE (40mm)
- FLOW SENSOR  
RAIN BIRD FS100B - E2ICB2VP
- SOLENOID VALVE ASSEMBLY - RAIN BIRD PEB  
WITH PRS PRESSURE REGULATOR  
REFER DETAIL 04/305.  
REFER TO VALVE TABLE FOR SIZE

- DRIP SOLENOID VALVE ASSEMBLY. RAIN BIRD PEB  
WITH PRS PRESSURE REGULATOR AND 120 MESH  
BASKET FILTER. REFER DETAIL 05/305.  
REFER TO VALVE TABLE FOR SIZE
- VALVE NUMBER. REFER VALVE TABLE
- HUNTER I20-06-R  
POP UP ROTOR SPRINKLER ASSEMBLY  
#6.0 NOZZLE (BLUE) UNLESS NOTED OTHERWISE  
REFER DETAIL 06/305
- HUNTER I20-20-R  
#4 LA NOZZLE UNLESS NOTIFIED  
OTHERWISE

VALVE TABLE

VALVE NO.	TYPE	SIZE (mm)	PRESSURE KPa	SPRK. TYPE	NO. OF SPRK.	LENGTH (lin/m)	FLOW L/min
1	G.BED	25	200	-	-	376	41.7
2	TURF	40	300	HUNTER I20-06-R	4	-	90.8
3	TURF	40	300	HUNTER I20-06-R	4	-	90.8
4	TURF	40	300	HUNTER I20-06-R	4	-	90.8
5	REVEG	40	300	HUNTER I20-12-R	7	-	108.5
6	TURF	40	200	HUNTER I20-06-R	4	-	90.8
7	TURF	40	300	HUNTER I20-06-R	4	-	90.8
8	TURF	25	300	HUNTER I20-06-R	7	-	51.8
9	G.BED	25	200	-	-	176	19.6

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CLIENT  
BENTLEY DEVELOPMENT GROUP PTY LTD

PROJECT  
WOODVALE STAGE 4 LANDSCAPE  
GAWLER SOUTH



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STATUS  
PRELIMINARY

DRAWING  
IRRIGATION PLAN  
SHEET 1 OF 4

DRAWING NUMBER  
17-1548-301

REVISION  
C

TOWN OF GAWLER  
INFRASTRUCTURE & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
AGENDA 10 APRIL 2018



LEGEND

- 63 MM PN12.5 PE100 HDPE MAIN LINE  
REFER DETAILS 01/02/305
- CLASS 9 PVC LATERALS (SIZE AS SHOWN)  
REFER DETAILS 02/03/305
- 25mm LDPE. REFER DETAIL 03/305.  
WHERE SHOWN IN G.BED RUN AT 50 COVER.
- CONTROL CABLE  
RAIN BIRD PE39 DATA CONTROL CABLE
- DRIPLINE. NETAFIM TECHLINE AS PC 2.0  
L/h @ 300mm SPACING.  
REFER DETAIL 08/305
- IRRIGATION CONDUIT UNDER PATH OR  
STRUCTURE.  
100 UPVC U.N.O

- 40mm POTABLE WATER METER
- 40mm DOUBLE CHECK BACKFLOW  
PREVENTION DEVICE
- RAIN BIRD ESP LXMIF IRRIGATION  
CONTROLLER WITH COMMUNICATION  
CARTRIDGE (12 STATION)
- MASTER VALVE (40mm)
- FLOW SENSOR  
RAIN BIRD FS100B - E2ICB2VP
- SOLENOID VALVE ASSEMBLY - RAIN BIRD PEB  
WITH PRS PRESSURE REGULATOR  
REFER DETAIL 04/305.  
REFER TO VALVE TABLE FOR SIZE

- D RIP SOLENOID VALVE ASSEMBLY. RAIN BIRD PEB  
WITH PRS PRESSURE REGULATOR AND 120 MESH  
BASKET FILTER. REFER DETAIL 05/305.  
REFER TO VALVE TABLE FOR SIZE
- VALVE NUMBER. REFER VALVE TABLE
- HUNTER I20-06-R  
POP UP ROTOR SPRINKLER ASSEMBLY  
#6.0 NOZZLE (BLUE) UNLESS NOTED OTHERWISE  
REFER DETAIL 06/305
- HUNTER I20-20-R  
#4 LA NOZZLE UNLESS NOTIFIED  
OTHERWISE

VALVE TABLE

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PROJECT  
WOODVALE STAGE 4 LANDSCAPE  
GAWLER SOUTH



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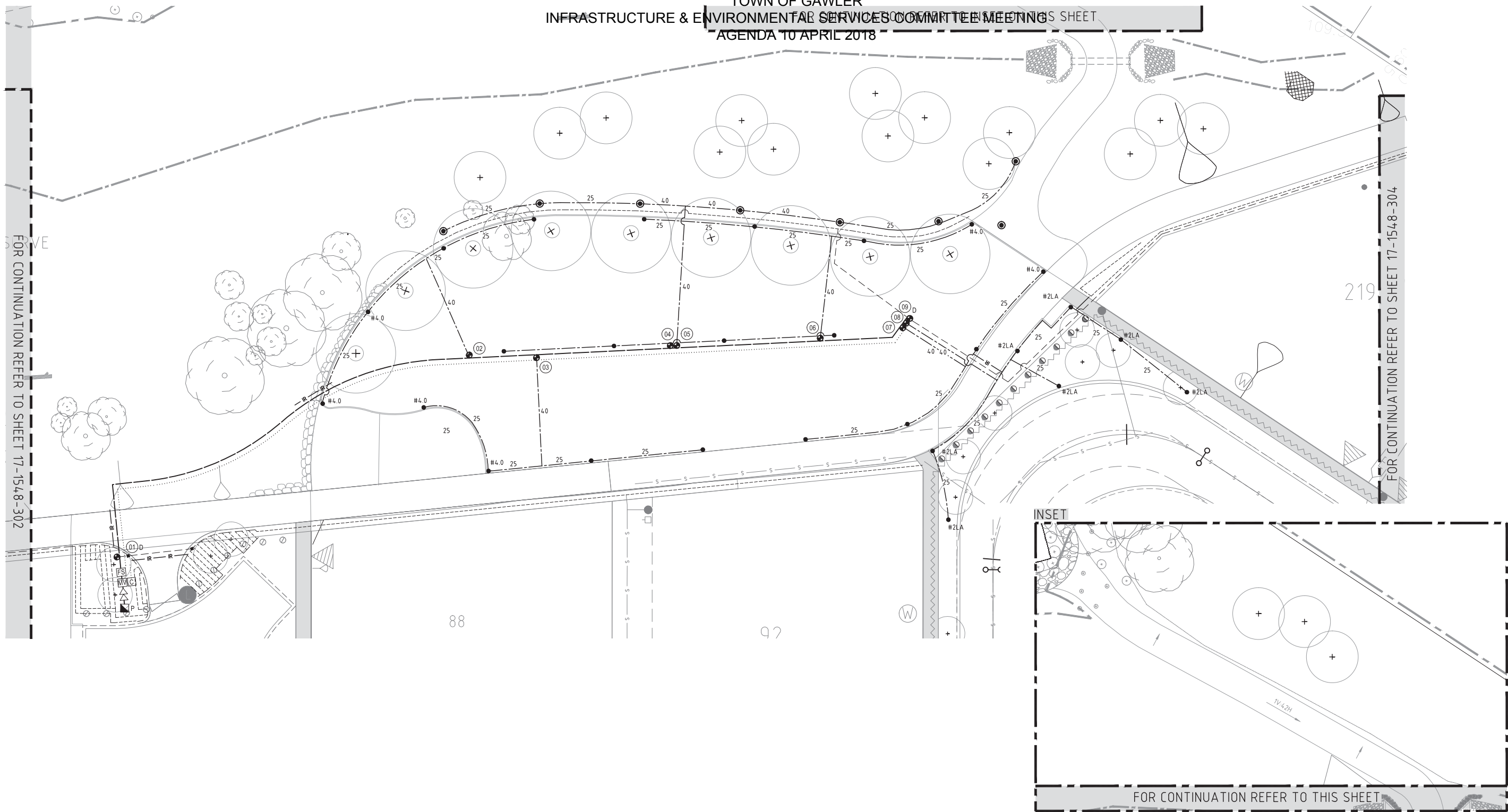
DRAWING  
IRRIGATION PLAN  
SHEET 2 OF 4

DRAWING NUMBER  
17-1548-302

REVISION  
C



TOWN OF GAWLER  
INFRASTRUCTURE & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
AGENDA 10 APRIL 2018



LEGEND

- 63 MM PN12.5 PE100 HDPE MAIN LINE  
REFER DETAILS 01/02/305
- CLASS 9 PVC LATERALS (SIZE AS SHOWN)  
REFER DETAILS 02/03/305
- 25mm LDPE. REFER DETAIL 03/305.  
WHERE SHOWN IN G.BED RUN AT 50 COVER.
- CONTROL CABLE  
RAIN BIRD PE39 DATA CONTROL CABLE
- DRIFLINE. NETAFIM TECHLINE AS PC 2.0  
L/h @ 300mm SPACING.  
REFER DETAIL 08/305
- IRRIGATION CONDUIT UNDER PATH OR  
STRUCTURE.  
100 UPVC U.N.O

- 40mm POTABLE WATER METER
- 40mm DOUBLE CHECK BACKFLOW  
PREVENTION DEVICE
- RAIN BIRD ESP LYMEF IRRIGATION  
CONTROLLER WITH COMMUNICATION  
CARTRIDGE (12 STATION)
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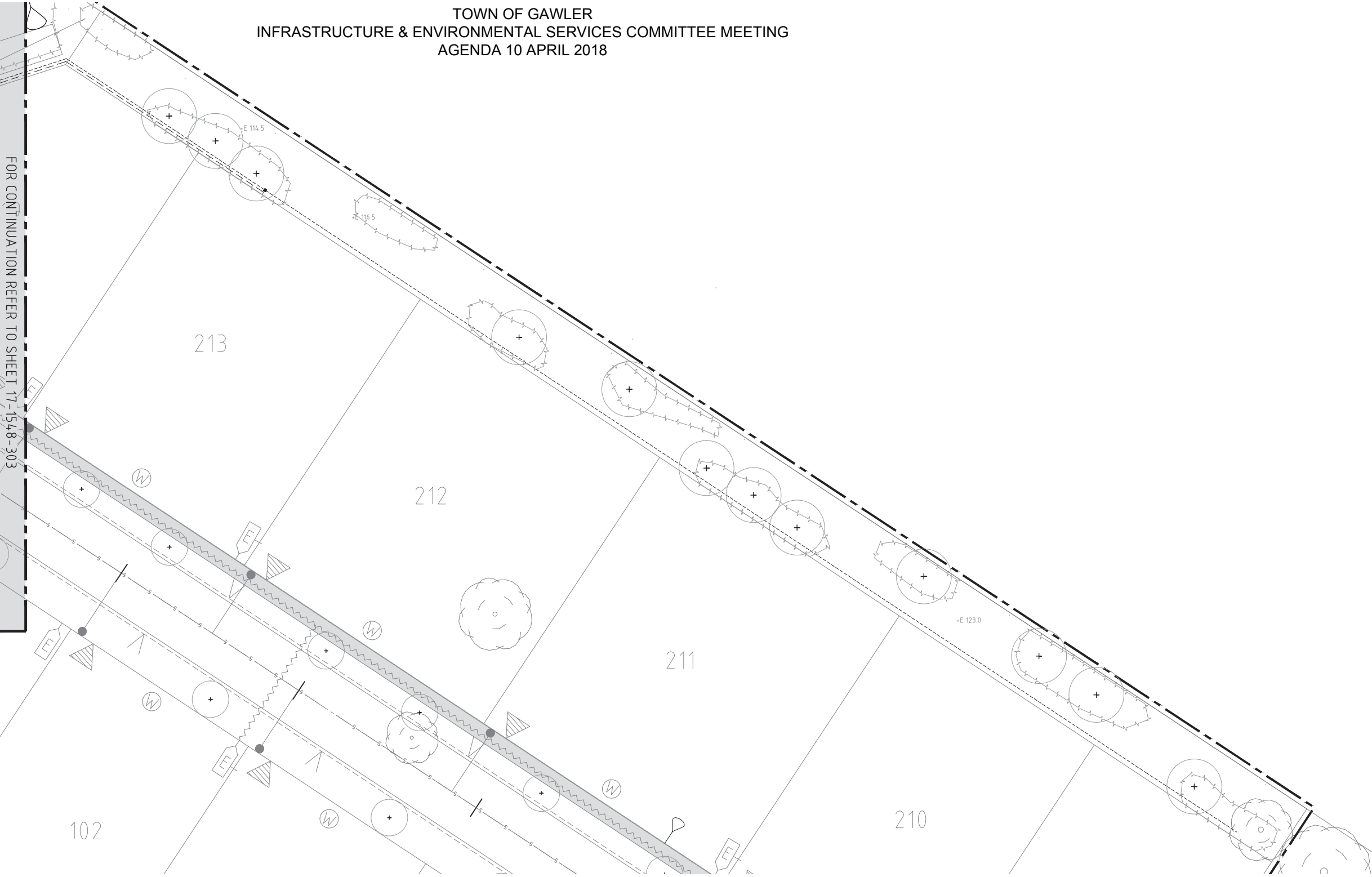
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IRRIGATION PLAN  
SHEET 3 OF 4

DRAWING NUMBER  
17-1548-303

REVISION  
C



TOWN OF GAWLER  
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AGENDA 10 APRIL 2018



LEGEND

- 63 MM PN12.5 PE100 HDPE MAIN LINE  
REFER DETAILS 01/02/305
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REFER DETAILS 02/03/305
- 25mm LDPE. REFER DETAIL 03/305.  
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- CONTROL CABLE  
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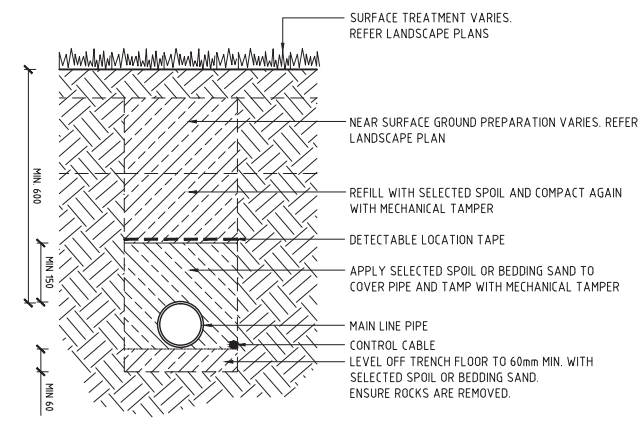
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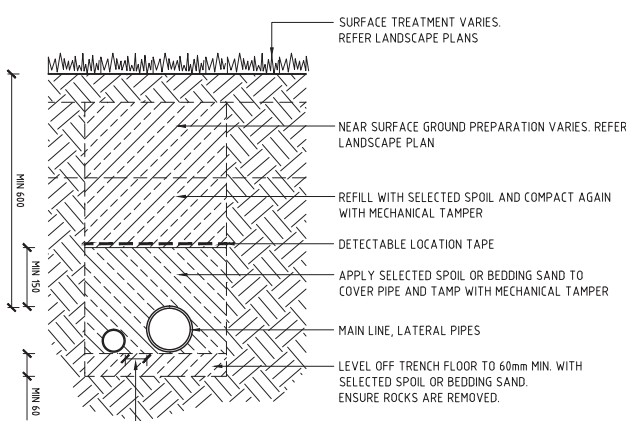
STATUS PRELIMINARY	REVISION C
DRAWING IRRIGATION PLAN SHEET 4 OF 4	
DRAWING NUMBER 17-1548-304	

TOWN OF GAWLER  
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AGENDA 10 APRIL 2018



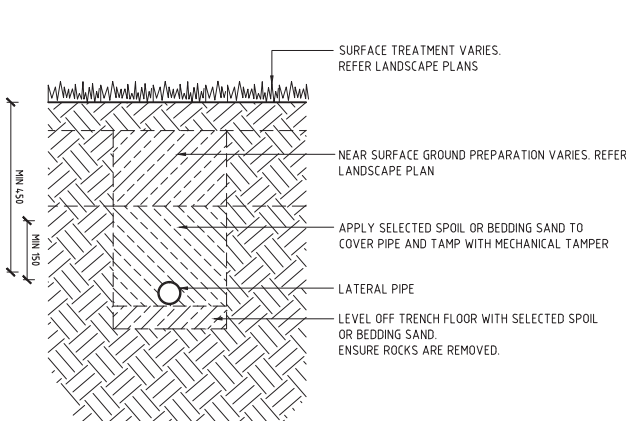
01 MAIN LINE TRENCH

SCALE 1:10



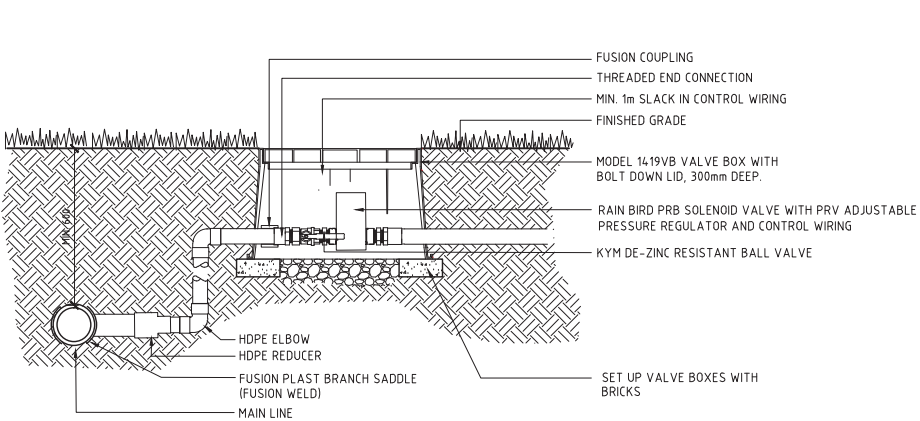
02 MAIN LINE AND LATERAL TRENCH

SCALE 1:10



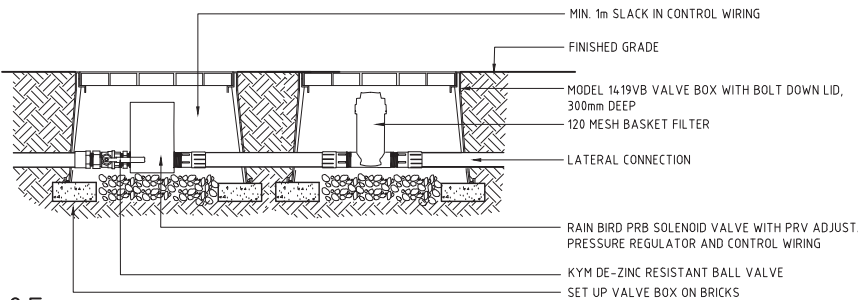
03 LATERAL TRENCH

SCALE 1:10



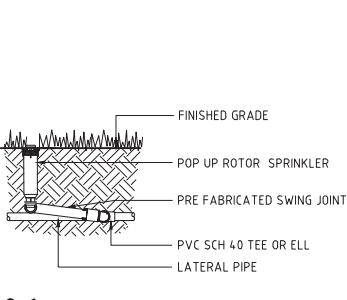
04 SOLENOID VALVE ASSEMBLY

SCALE NTS



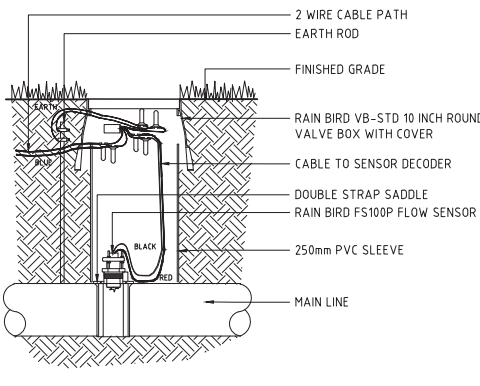
05 DRIP SOLENOID VALVE ASSEMBLY

SCALE NTS



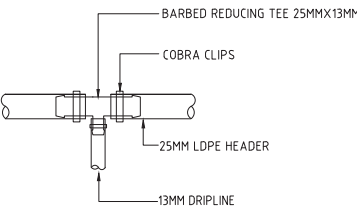
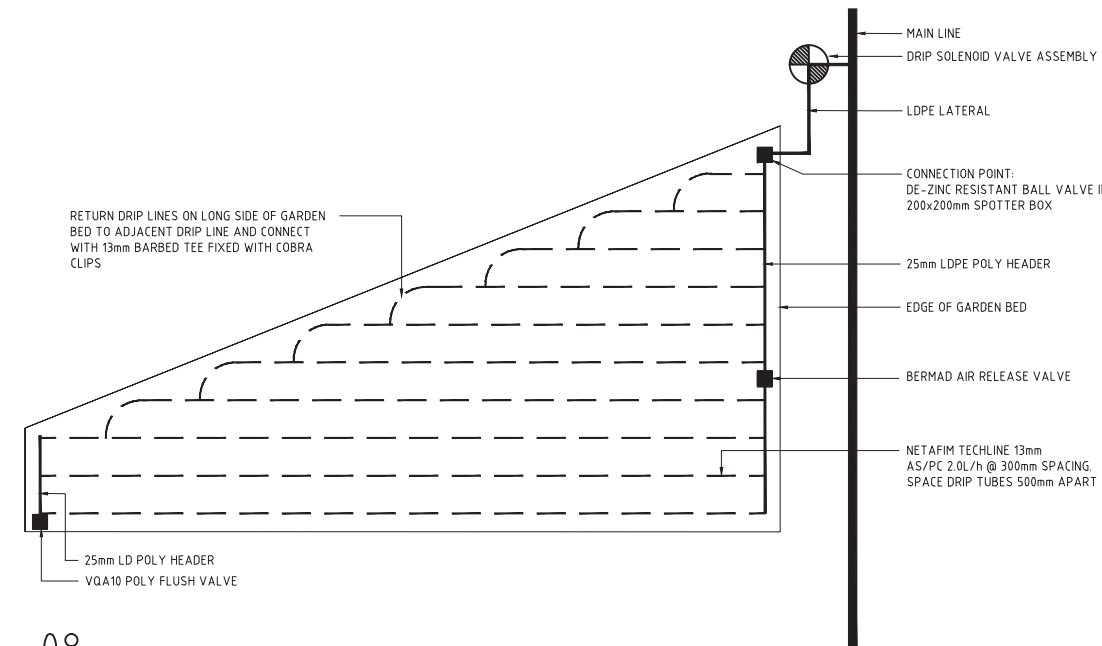
06 POP-UP ROTOR

SCALE NTS



07 FLOW SENSOR ASSEMBLY

SCALE NTS



HEADER/DRIPLINE  
CONNECTION T DETAIL

08 GARDEN BED DRIP ASSEMBLY

SCALE 1:50

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GAWLER SOUTH



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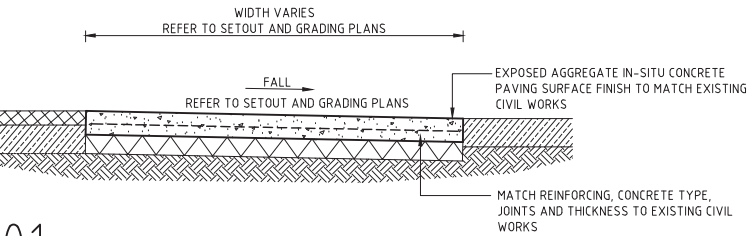
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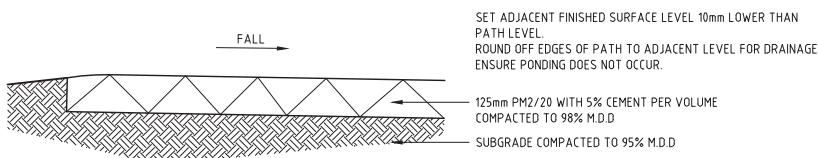
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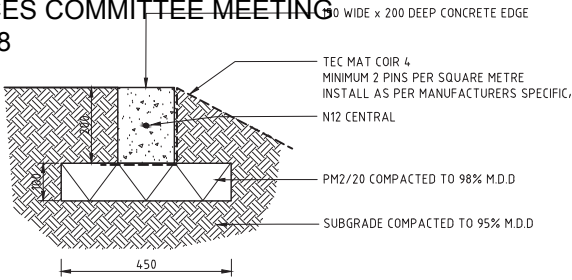
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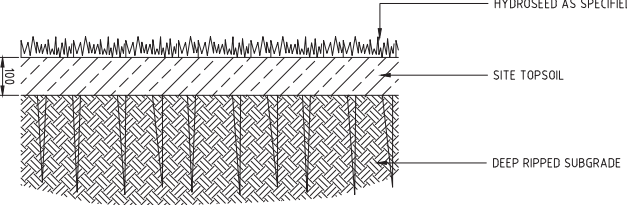
01 INSITU CONCRETE PAVING  
SCALE 1:20



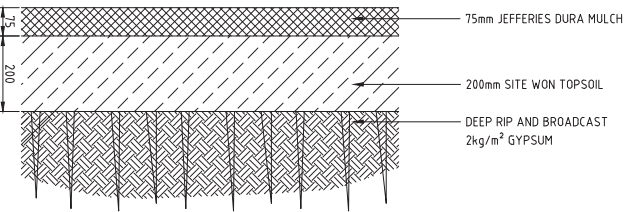
02 CEMENT TREATED QUARRY RUBBLE PATH  
SCALE 1:10



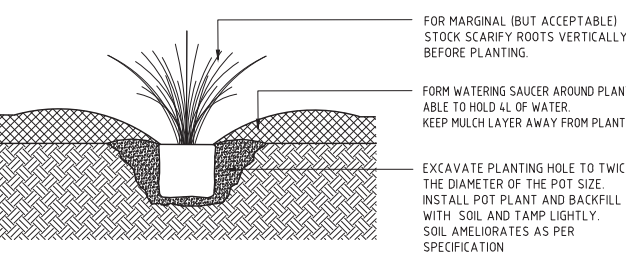
03 CONCRETE EDGE  
SCALE 1:10



04 HYDROSEED  
SCALE 1:10

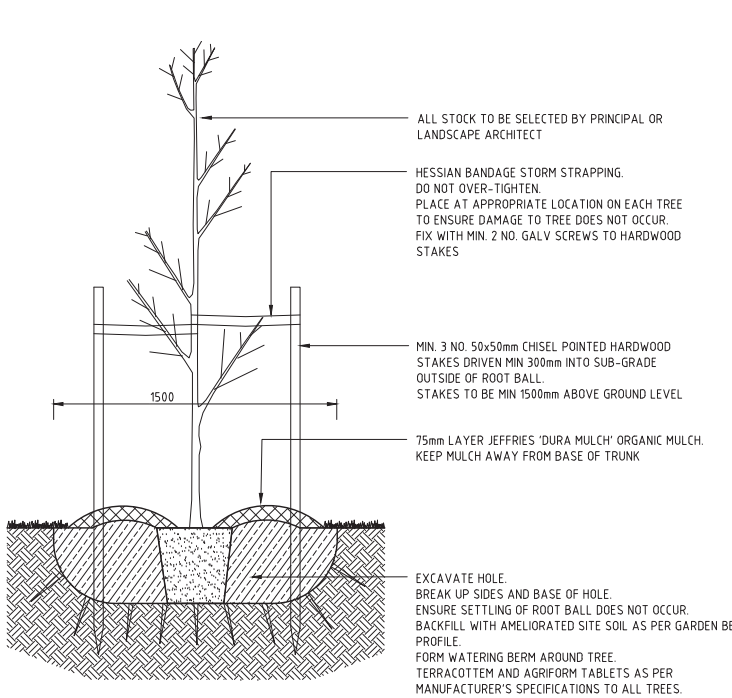


05 GARDEN BED PROFILE  
SCALE 1:10

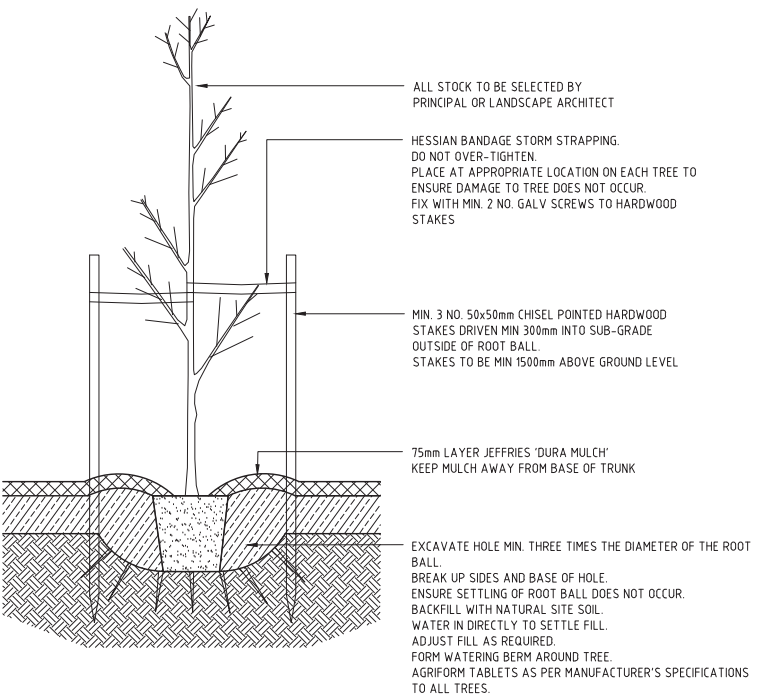


06 PLANTING DETAIL  
SCALE 1:10

REFER TO TOWN OF GAWLER  
STREET TREE PLANTING  
STANDARD IN SPECIFICATION



07 TYPICAL STREET TREE PLANTING  
SCALE 1:20



08 TREE PLANTING IN GRASS  
SCALE 1:20

09 TREE PLANTING IN GARDEN BED  
SCALE 1:20

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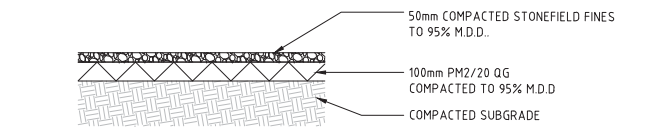
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SHEET 1 OF 3

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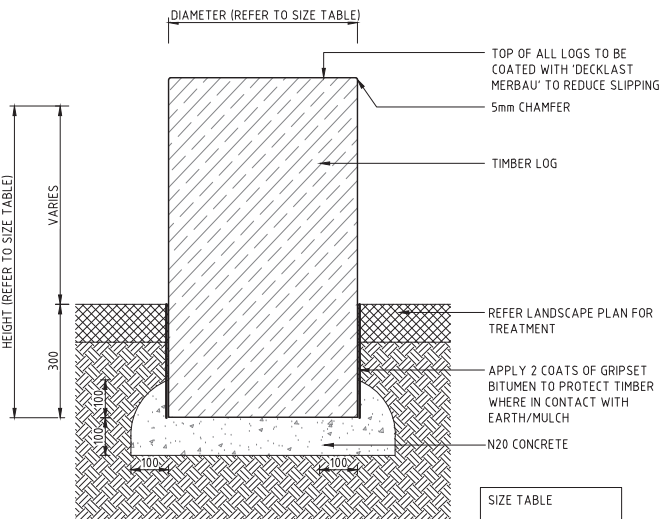
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01 COMPACTED FINES  
SCALE 1:20



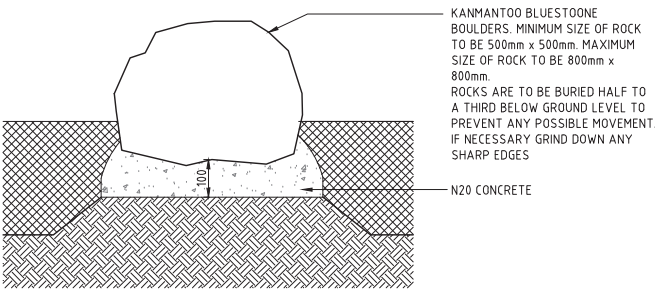
02 STEPPING LOGS  
SCALE 1:10

- NOTE-S:
1. ALL TIMBER JUMPING LOGS SHOULD HAVE A FLAT TOP
  2. ENSURE THAT THE LOG IS SECURE AND CAN WITHSTAND FORCED MOVEMENT
  3. ENSURE THAT NO ENTRAPMENT SPACES FOR HANDS OR FEET ARE CREATED
  4. ALL EDGES TO BE CLEAN AND FREE OF SPLINTERS AND SHARP EDGES

TYPE	DIAMETER(mm)
1	200
2	300
3	400
4	500

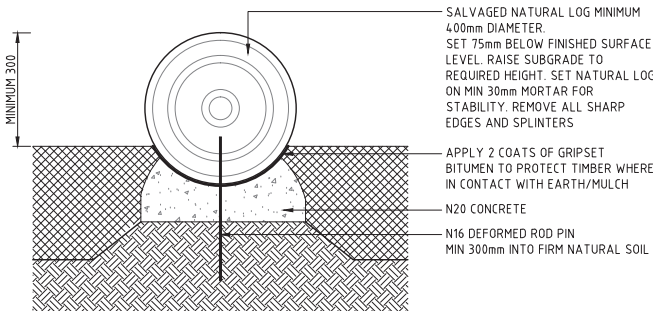
TYPE	HEIGHT(mm)
A	300
B	500
C	700

EXAMPLE: TYPE 3A IS A 400MM DIA. 300MM HIGH LOG

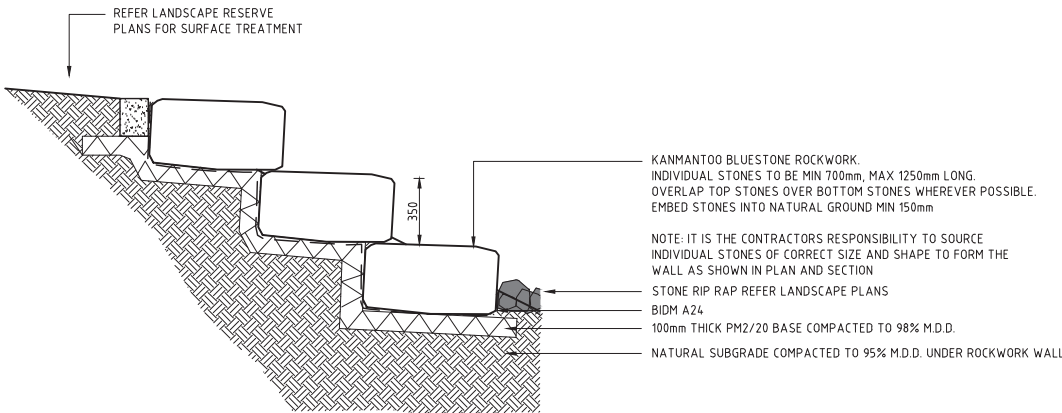


03 NATURE PLAY ROCKS  
SCALE 1:10

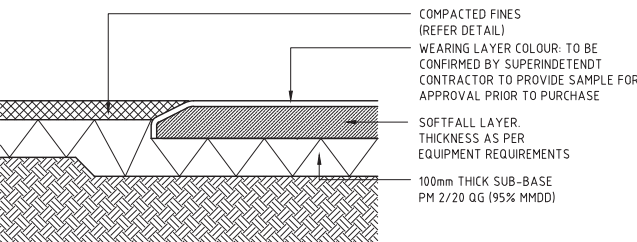
- NOTE-S:
1. SMOOTH ROCK OR BOULDER WITH A FLAT TOP SUITABLE FOR SITTING OR CLIMBING ON
  2. ENSURE THAT THE ROCK IS SECURE AND CAN WITHSTAND FORCED MOVEMENT



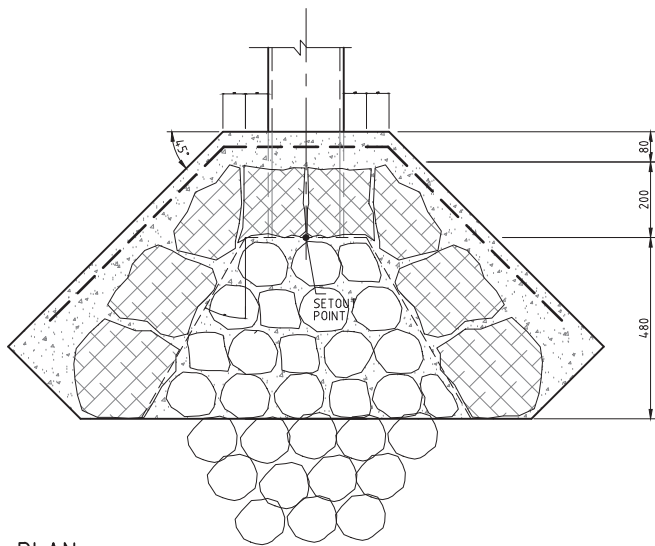
04 TIMBER BALANCING LOG  
SCALE 1:10



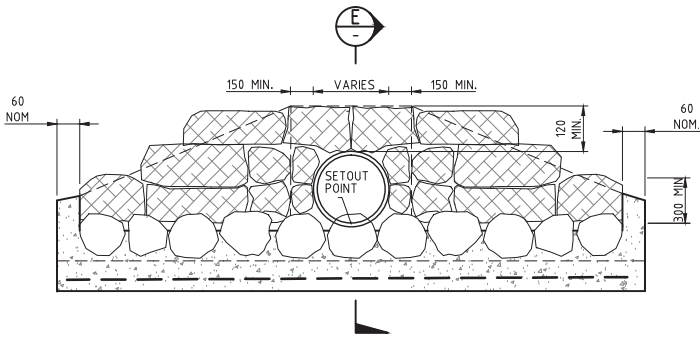
05 NATURAL BLUESTONE ROCKWORK TERRACE  
SCALE 1:20



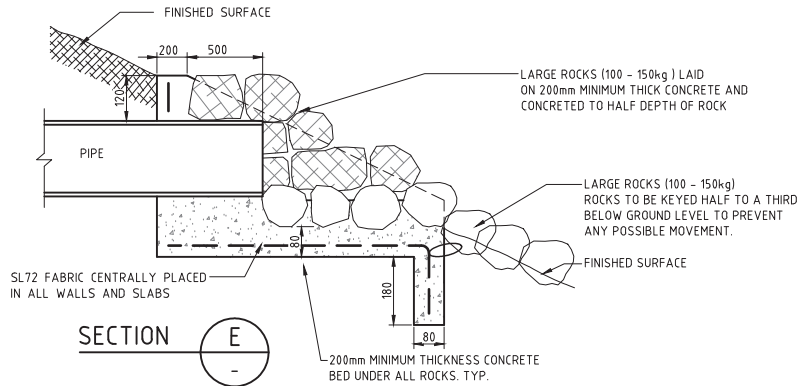
07 RUBBER SOFTFALL  
SCALE 1:10



PLAN  
SCALE 1:10



FRONT ELEVATION  
SCALE 1:10



06 STONE HEADWALL  
NTS

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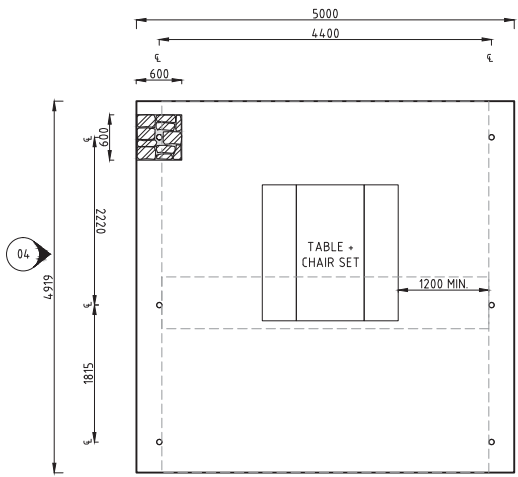
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LANDSCAPE DETAILS  
SHEET 2 OF 3

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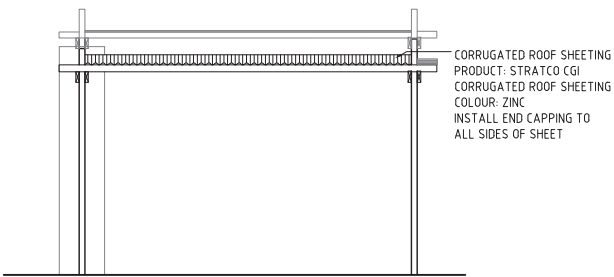
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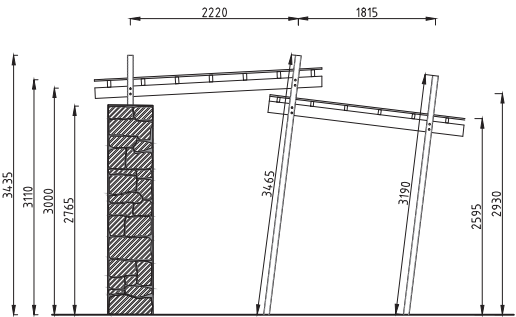
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01 SHELTER LAYOUT PLAN  
SCALE 1:50

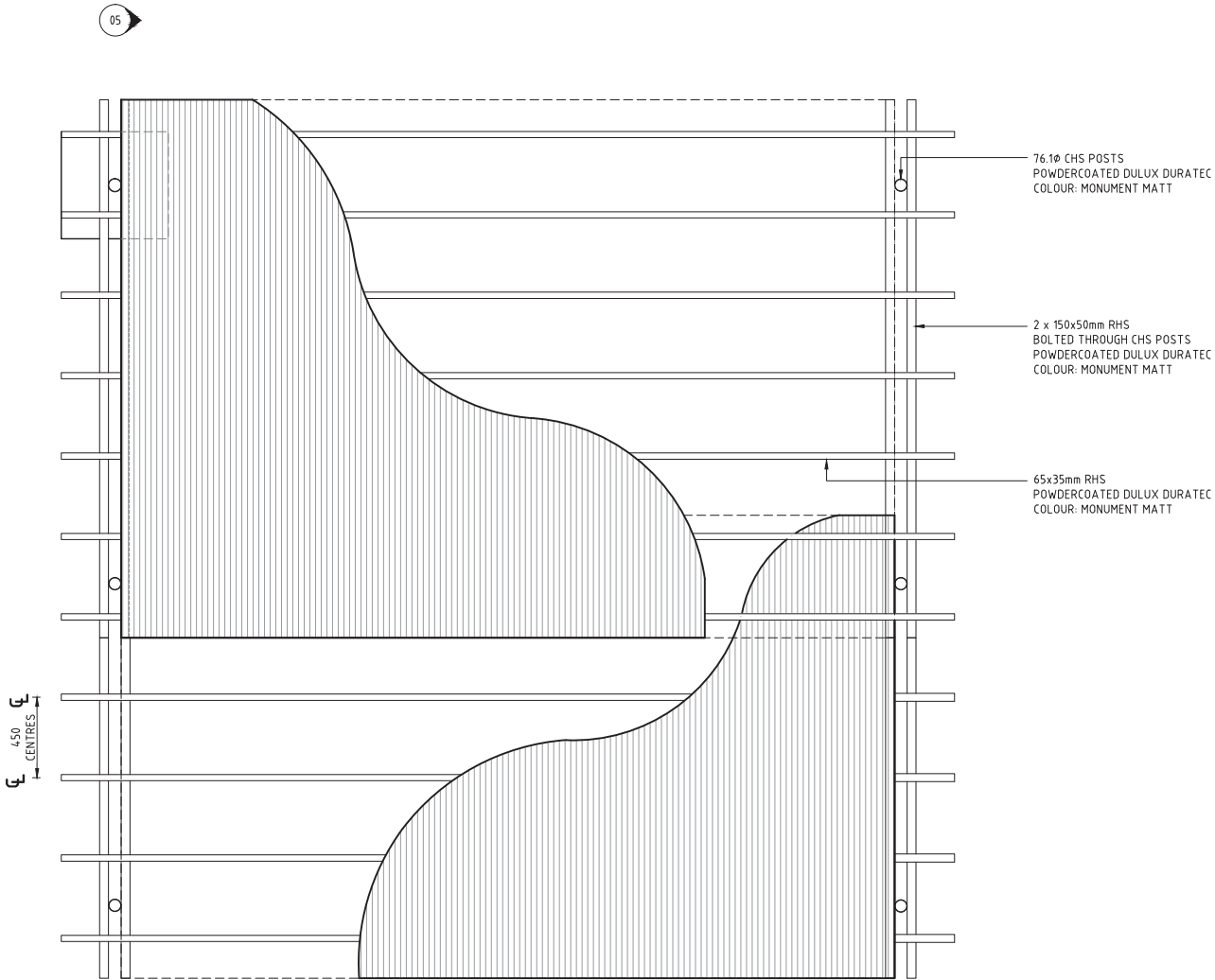


03 SHELTER ELEVATION  
SCALE 1:50

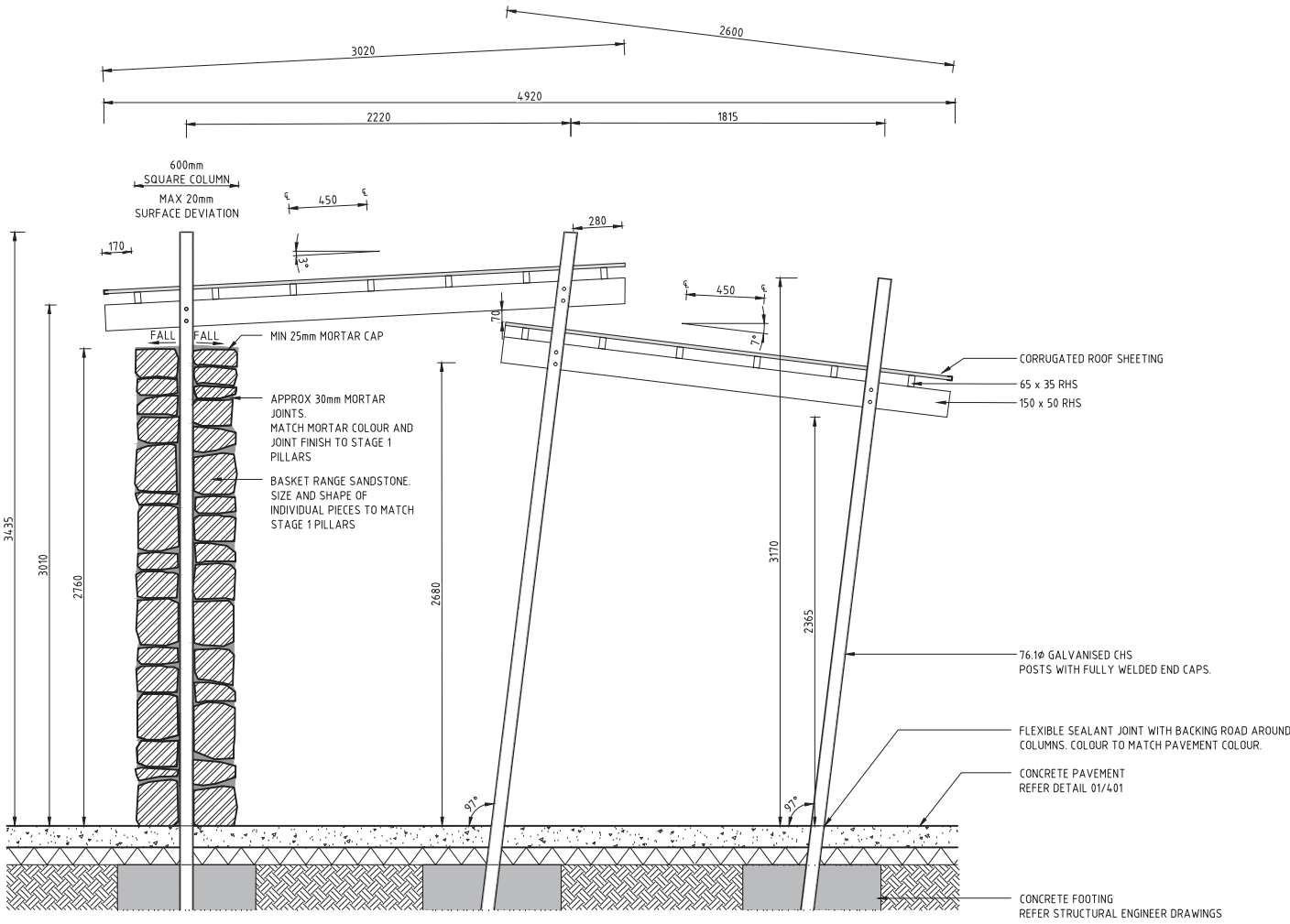


04 SHELTER ELEVATION  
SCALE 1:50

- NOTES:
1. REFER STRUCTURAL ENGINEER FOR ALL STRUCTURAL DETAILS.
  2. NON SACRIFICIAL ANTI-GRAFFITI COATING TO ALL COLUMNS, AND PILLARS.



02 SHELTER PLAN  
SCALE 1:20



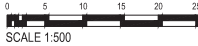
05 SHELTER SECTION  
SCALE 1:20

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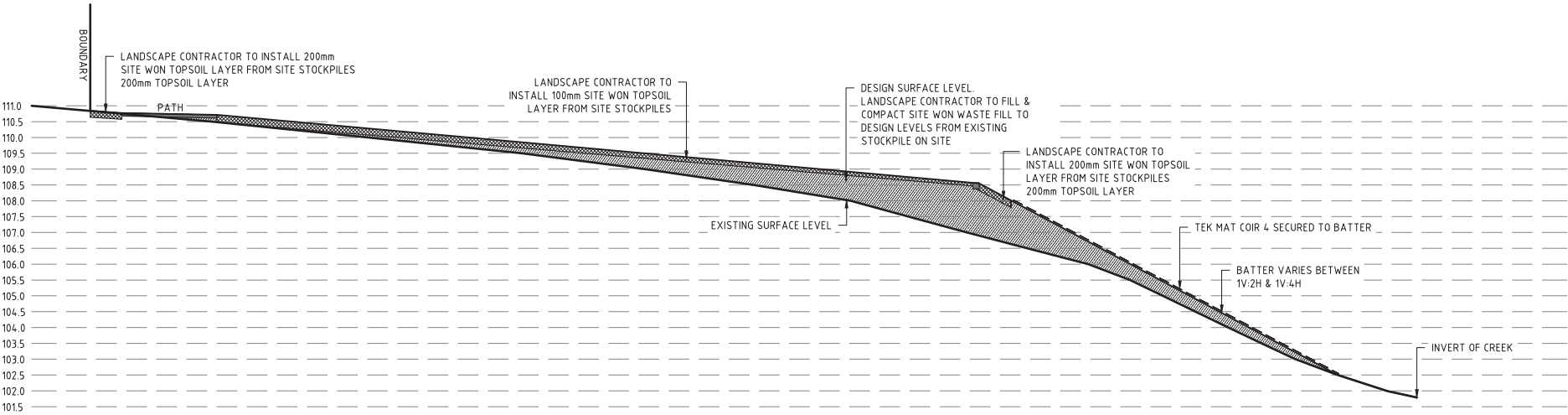
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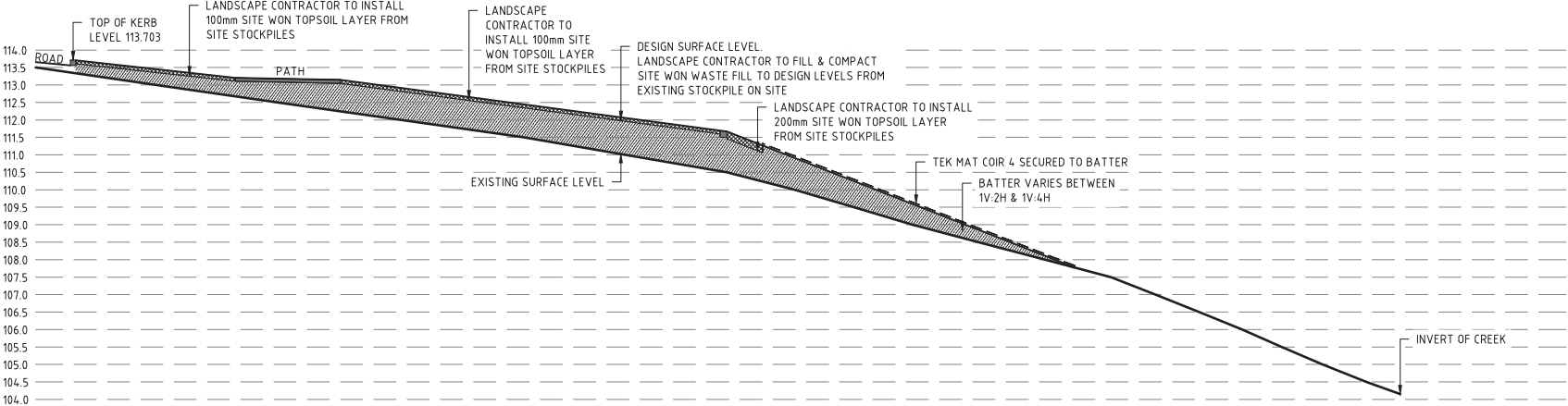
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TYPICAL SECTION A  
SCALE 1:50



TYPICAL SECTION B  
SCALE 1:50

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CODE ON DRAWINGS	DESCRIPTION	MATERIALS	FINISHES / TOLERANCES	FIXING	GENERAL NOTES	SHOP DRAWINGS REQUIRED	SAMPLES / SUBMISSIONS REQUIRED	INSPECTIONS REQUIRED	TESTS REQUIRED	PREQUALIFIED SUPPLIERS
-	ELECTRICAL SYSTEM	-	SWITCHBOARD ENCLOSURE POWDERCOATED 'WILDERNESS'	SUB-SURFACE MOUNT	REFER GENERAL NOTES ON DRAWINGS	- ELECTRICAL SWITCHBOARD ENCLOSURE SHOP DRAWINGS SHOWING (AT A MINIMUM) RETAILER METER, DOUBLE GPO, IRRIGATION CONTROLLER & MODEM.	- CERTIFICATION OF CONFORMANCE WITH AS/NZS 3000, FOR ELECTRICAL SERVICES. - SCHEMATIC DRAWING OR SHOP DRAWING OF ELECTRICAL SYSTEM DESIGN	- SET OUT OF SWITCHBOARD LOCATION BEFORE LAYING CONDUITS		LAI INDUSTRIES (SWITCHBOARD ENCLOSURE)
-	IRRIGATION SYSTEM	-	-	-	-	IF ALTERNATIVE SYSTEM IS PROPOSED, FULL DESIGN DOCUMENTS ARE REQUIRED	- BACKFLOW PREVENTION CERTIFICATE TO RELEVANT AS	- SET OUT OF SYSTEM BEFORE EXCAVATION E.G WATER SUPPLY ASSEMBLY, BACKFLOW, MASTER VALVE, FLOW SENSOR, CONTROLLER, MAIN LINES, VALVE BOXES, ISOLATION POINTS, GROUNDING POINTS, AND SPRINKLER LOCATIONS. - MAIN LINES, CONTROL CABLES AND VALVE ASSEMBLIES BEFORE BACKFILLING. - DRIP HEADER AND DRIP TUBES INSTALLED, INCLUDING CONNECTIONS, BEFORE COVERING WITH MULCH OR OTHER MATERIAL.	- PRESSURE TEST ON MAIN LINE AS PER SPECIFICATION	-
-	EXPOSED AGGREGATE CONCRETE PAVEMENT	CONCRETE	EXPOSED AGGREGATE TO MATCH EXISITING CONCRETE PAVEMENT ON SITE				- 1x1m² TEST PANEL TO BE PROVIDED BEFORE COMMENCING PAVING WORKS.	- SET OUT OF ALL PATHS BEFORE LAYING BASE COURSE	- COMPACTION TESTS REQUIRED ON SUB-GRADE AND BASE COURSE AS PER SPECIFICATION - SLIP RESISTANCE TEST OF COMPLETED INSTALLATIONS	
	CEMENT TREATED QUARRY RUBBLE							- SET OUT OF ALL PATHS BEFORE LAYING BASE COURSE	- COMPACTION TESTS REQUIRED ON SUB-GRADE AND BASE COURSE AS PER SPECIFICATION	
CE	CONCRETE EDGE	- REFER DETAIL DRAWINGS		-		-		- SET OUT OF ALL EDGING		
	STONE WALL	WALL - KANMANTOO BLUESTONE ROCKWORK		AS PER DETAILS ON SHEET 17-1548-402	- STONE PATTERN AS PER DRAWINGS AND TO MATCH EXISTING ROCK WALLS ON SITE	-	- 1x1m² TEST PANEL TO BE PROVIDED BEFORE COMMENCING PAVING WORKS.	- SET OUT OF WALL - REINFORCEMENT IN PLACE BEFORE POURING	- COMPACTION TESTS REQUIRED ON SUB-GRADE AND BASE COURSE AS PER SPECIFICATION - SLIP RESISTANCE TEST OF COMPLETED INSTALLATIONS	
-	TREE PLANTING	-	-	-	-	-	- SUBMIT PHOTOGRAPHIC EXAMPLES OF EACH SPECIES ALONG WITH TREE INSPECTION REPORT	CONTRACTOR TO ORGANISE INSPECTION AT NURSERY AND INVITE SUPERINDENDENT, PRINCIPAL & COUNCIL REPRESENTATIVE. FOR ALL TREES, PROVIDE TREE INSPECTION REPORT FOR APPROVAL BY THE TOWN OF GAWLER AND SUPERINTENDENT CONTAINING FOLLOWING INFORMATION: - SUPPLIER OF TREES - SOURCE OF SUPPLY OF TREES (I.E. THE NURSERY THE TREES WERE GROWN AT) - BRIEF HISTORY OF TREE PROPAGATION (E.G. PLANTED DIRECTLY INTO 45LT ROCKET POT FROM BARE ROOT STOCK OBTAINED FROM XXX SUPPLIER AT XXX DATE. NURSERY PRACTICES DURING GROWING PERIOD WERE XXX ETC.) - REPRESENTATIVE PHOTOGRAPHS OF TREE FORM PER BATCH WITH REFERENCE OBJECTS INCLUDED IN PHOTOGRAPHS - PHOTOGRAPHS OF NON-DESTRUCTIVE ROOT TEST, CLEARLY SHOWING: - ROOT BUTTRESS DEPTH IN POT - 100MM RADIUS CYLINDER OF SOIL REMOVED FROM AROUND TRUNK TO CLEARLY SHOW ROOT BUTTRESS AND ALL FIRST ORDER ROOT DIRECTIONS (AND IF SECOND ORDER ROOTS ARE NOT EMANATING FROM FIRST ORDER ROOTS AS PER AS2303) - FIRST, SECOND AND THIRD ORDER ROOTS CLEARLY VISIBLE IN PHOTOGRAPH - ENTIRE DEPTH OF PLANTING CONTAINER (FROM TOP OF SOIL LINE TO BOTTOM OF POT) - 55% OF PLANTING MEDIUM REMOVED MINIMUM	- NON DESTRUCTIVE ROOT TESTING TO AS2303	FRESHFORD NURSERY (SA)
-	UNDERSTOREY PLANTING	-	-	-	-	-		-TRIAL SET OUT OF 10 sqm OF PLANTING FOR EACH TYPE.		
	HYDROSEED	ALL SEASONS KIKUYU BLEND (GLOBE)		-	IF SUBSTITUTE PRODUCT PROPOSED, BLEND MIX MUST BE APPROVED PRIOR TO INSTALLATION	-	- SUBMIT SUPPLIER'S DATA OF MATERIAL SOURCE OF SUPPLY			GLOBE
SEAT	MONACO TABLE SETTING (TERRAIN GROUP)	BATTENS: ROSEWOOD TIMBER FRAME: ALUMINIUM POWDERCOATED MONUMENT MATT		LEGS BOLT DOWN WITH TAMPER PROOF NUTS		-				TERRAIN
TABLE & CHAIR SETTING	MONACO SEAT (TERRAIN GROUP)	BATTENS: ROSEWOOD TIMBER FRAME: ALUMINIUM POWDERCOATED MONUMENT MATT		LEGS BOLT DOWN WITH TAMPER PROOF NUTS						TERRAIN
BIN	120L MILDURA BIN ENCLOSURE (WITH COWL)	POWDER COATED ZINC PLATED STEEL	POWDERCOATED MONUMENT MATT	SURFACE FIXING WITH TAMPER PROOF NUTS	- TO INCLUDE 120L COUNCIL STANDARD BIN WITH BIN ENCLOSURE					SPARK
-	SHELTER	CUSTOM BUILT - REFER DETAILS ON 17-1548-403	REFER DETAILS ON 17-1548-403	REFER DETAILS ON 17-1548-403	-	-	- SUBMIT SUPPLIER'S DATA OF MATERIAL SOURCE OF SUPPLY - SUBMIT SAMPLE OF MONUMENT MATT POWDERCOATING ON 300mm LONG CHS	- SET OUT OF SHELTER		
	TIMBER BALANCING LOG	REFER DETAIL ON 04/402	REFER DETAIL ON 04/402	REFER DETAIL ON 04/402				- SET OUT / PLACEMENT PRIOR TO SETTING IN CONCRETE		
	STEPPING LOGS	REFER DETAIL ON 02/402	REFER DETAIL ON 02/402	REFER DETAIL ON 02/402				- SET OUT / PLACEMENT PRIOR TO SETTING IN CONCRETE		
	NATURE PLAY ROCKS	REFER DETAIL ON 03/402	REFER DETAIL ON 03/402	REFER DETAIL ON 03/402				- SET OUT / PLACEMENT PRIOR TO SETTING IN CONCRETE		
P1	PROLUDIC SPRINGER - HATTIE THE HELICOPTER (J836)			INSTALL AS PER MANUFACTURERS RECCOMENDATION				- SET OUT / PLACEMENT PRIOR TO FIXING		PROLUDIC
P2	PROLUDIC ROTATING EQUIPMENT (J2410)			INSTALL AS PER MANUFACTURERS RECCOMENDATION				- SET OUT / PLACEMENT PRIOR TO FIXING		PROLUDIC

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GAWLER SOUTH



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STATUS  
PRELIMINARY

DRAWING  
MATERIALS & FINISHES SCHEDULE

DRAWING NUMBER  
17-1548-501

REVISION  
B



TOWN OF GAWLER  
INFRASTRUCTURE & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
AGENDA 10 APRIL 2018

**OPEN SPACE COMMENTS**

Woodvale Stage 4 &amp; 5 Landscape Works

**PLAN REVIEWED**

17-1548-001 to 171548-501

**CONSULTANT / DEVELOPER AGENT / REP.**

Greenhill, Josh Palmer

Ref.	Item	Plan #	Council Comment - Aug 2017 (Received Plans 14 June 2017)	Landscape Consultant Comment	Comment Status (Open or Closed)
<b>General</b>					
1	1.1	Specification/ Schedule	50% of Public Furniture fasteners in concrete pad mounting to be tamper proof (ie shear nuts)	OK - docs updated	Closed
	1.2	Specification/ Schedule	Seating in Cement Treated Rubble surround NOT ACCEPTED, concrete pad mounting preferred.	OK - docs updated	Closed
	1.3	Specification/ Schedule	Bin -Please adjust provided Bin Enclosure to be 120L, appreciate 240L however excess rubbish can be fire hazard	OK - docs updated	Closed
2	2.1	ALL SHEETS	REMOVE Eucalyptus cladocalyx FROM PLANT LIST, Substitute to Eucalyptus fasciculosa or Eucalyptus leucoxylon	OK - docs updated	Closed
3	3.1	ALL SHEETS	Suggest swap Street Tree species between street hierarchy, taller trees should be on priority streets & smaller trees on small streets (P. calleryana 'Chanticleer' for F. 'Urbanite' & F. 'Urbanite' for P. calleryana 'Chanticleer')	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agreed trees to match Stage 1 and 3	Closed
4	4.1	ALL SHEETS	PLEASE CLARIFY -Garden Bed mulch is noted as Jefferies 'Landscapers Choice' on legend, but Jefferies 'Dura Mulch' on detail 05 - 401	Landscapers Choice. Docs updated	Open
5	5.1	ALL SHEETS	Provide detail as to what will occur within the area surrounding the gully, north of reserve.	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agreed are to be planted with low shrub mix. We propose this is a non-bonded item (see note on drawings and in email).	Open
	5.2	ALL SHEETS	How will slopes be managed to account for storm water discharges?	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agreed are to be planted with low shrub mix	Open
	5.3	ALL SHEETS	How will area be managed in relation to weeds?	Scope of work to be weeded on a fortnightly basis as outlined in the specification. Generally by glyphosate spray with a dye included. Larger weeds had pulled.	Closed
	5.4	ALL SHEETS	How will area be accessed for Fire management activities?	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Fire management previously addressed	Closed
	5.6	ALL SHEETS	Dead trees within greater area are to be assessed for risks, retain for habitat where-ever suitable. Fallen timber to be placed strategically adjacent plantings for habitat and erosion protection.	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agree docs to be updated with fallen logs salvaged from site	Closed
6	6.1	ALL SHEETS	ALL TREES to be provided as minimum 45L stock	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agree kickabout tree and street trees to be 45Lt, other trees in gully to be 25Lt	Closed
7	7.1	ALL SHEETS	REMOVE following plants from planting design within Gully due to NON-indigenous, suggest refer to Revegetation lists for substitutes	OK - docs updated	Closed
	7.2	ALL SHEETS	Westringia fruticosa	OK - docs updated	Closed
	7.3	ALL SHEETS	Westringia 'Zena'	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agree to leave westringia around kickabout space to match Stage 1 and 2	Closed
	7.4	ALL SHEETS	Eremophila 'Kalbarri Carpet'	OK - docs updated	Closed
<b>Hardscape</b>					
8	8.1	203	Relocate park seat to opposite side of path at Road H corner	OK - docs updated	Closed
	8.2	203	Relocate park seat as per item 2.4	OK - docs updated	Closed
	8.3	203	Relocate park seat as per item 2.5	OK - docs updated	Closed
	8.4	202	Relocate park seat to path intersection	OK - docs updated	Closed
	8.5	201	Relocate park seat to head of track, provide reserve tree adjacent for shade	OK - docs updated	Closed
9	9.1	204	SA Water easement -cement treated rubble path is to be 3m wide to provide service access	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agree to remove path and install overlapping garden beds with central gap for maintenance access only	Closed
10	10.1	403	All timber sections in shelter to be steel, can be coloured to timber appearance	OK - docs updated	Closed
<b>Softscape</b>					
11	11.1	201 to 204	Council requests further information in regards to treatments to areas within gully outside of illustrated "Scope of Works" line. What is being done to offset impacts of development in these areas?	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agreed are to be planted with low shrub mix	Closed
	11.2	201 to 204	Provide 3m buffer strip to areas hatched with Native Dryland Grass either via planting of tube stock or HydroSeed (Hydroseed mix - preference to incorporate 'Southern Revegetation Mix' available from <a href="https://www.nativeseeds.com.au/product/southern-revegetation-mix/">https://www.nativeseeds.com.au/product/southern-revegetation-mix/</a> )	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agreed are to be planted with low shrub mix. We propose this is a non-bonded item (see note on drawings and in email).	Closed
12	12.1	203	Hydroseed mix to Kick 'n' catch area will require longer maintenance period 3 years or Instant turf (Kikuyu preferred). If Hydroseed, what is seed mix specified?	Docs updated with male sterile kikuyu instant turf	Closed
13	13.1	204	Substitute Corymbia maculata to E. leucoxylon/ odorata/ microcarpa along rear property boundaries	OK - docs updated	Closed
<b>Play Element</b>					

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14	14.1	203	Playground is underprovisioned with equipment. Council request greater play value via diverse range of equipment to engage cross section of age groups	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agreed to include a rocker (2 x person play / group play), provide rubber crumb softfall to impact zones, and change balance of surface material to granular material	Open
	14.2	203	What happened to Sensory Planting around 'nature play'?	This was removed as we don't think Council's long term maintenace allocation will result in thriving plants to provide the sensory functions	Closed
	14.3	203	Town of Gawler expects ALL softfall around play equipment to be Wet-pour rubber softfall to AS 4685.0:2017 : Playground equipment and surfacing - Development, installation, inspection, maintenance and operation, AS 4422:2016 : Playground surfacing - Specifications, requirements and test method	Meeting 22.01.18 J.Palmer C.Branford P.Young S.Twine B.DeGilio Agreed to include a rocker (2 x person play / group play), provide rubber crumb softfall to impact zones, and change balance of surface material to granular material	Closed
	14.4	203 & 402	Stepping Logs - Detail 02 Stepping Logs -detail and size matrix <b>DOES NOT EQUATE TO SECTION please reconsider matrix sizes</b>	OK - docs updated	Closed
	14.5	402	Detail 04 Timber Balancing Log -will require deformed rod to prevent the log from tipping/ rolling over	OK - docs updated	Closed
Drainage / Swale / Wetland					
			N/A		
Street Trees/ Verges in local road reserves (excluding park)					
15	15.1	101	Lot 55 increase offset of street tree to street light to 6m (nom. 10m from intersection)	OK - docs updated	Closed
	15.2		Lot 58 increase offset of street tree to street light to 6m	OK - docs updated	Closed
	15.3		Lot 62 centralise tree to lot (nominal 6m offset from street light) care to be taken during planting to avoid water supply - RECOMMEND hand excavation	OK - docs updated	Closed
	15.4		Lot 67 move tree 4m from southern boundary, care to be taken during planting to avoid water supply -RECOMMEND hand excavation	OK - docs updated	Closed
	15.5		Lot 68 Tree addition adjacent footpath ramp (2m offset from footpath)	OK - docs updated	Closed
	15.6		Lots 74 to 79 Add extra street tree's min spacing 6m, max spacing 15m	OK - docs updated	Closed
	15.7		Lot 702 Shift street tree westwards -align with property boundary of 701	OK - docs updated	Closed
	15.8		Lot 701 Remove street tree	OK - docs updated	Closed
Irrigation					
16	16.1	303	Council request that the Irrigation design is reviewed by an Irrigation Designer as the current Hunter i20-06-R design appears excessive for turf demand within the kick'n'catch area	Confirm design is head to head design with correct nozzles for anticipated water pressure. #6.0 nozzles revised to #4.0 nozzles in corners. Intention is to apply 10mm of water over kickabout space in an even distribution at each watering time (valve times to be set accordingly).	Closed
17	17.1	305	Detail 04 - Solenoid Valve Assembly -Main Line min depth differs from other details, please confirm	OK - docs updated	Open
18	18.1	305	ALL VALVE BOXES -Council requests that ALL Valve Boxes are installed upon concrete pads or large format pavers, to provide for solid construction base suitable to fully support Valve Box	OK - docs updated	Closed
19	19.1	303	Irrigation Controller to be Mains Power Supply NOT battery operated	Design is 240V power model as per Gawler Spec (refer electrical notes sheet 201)	Closed