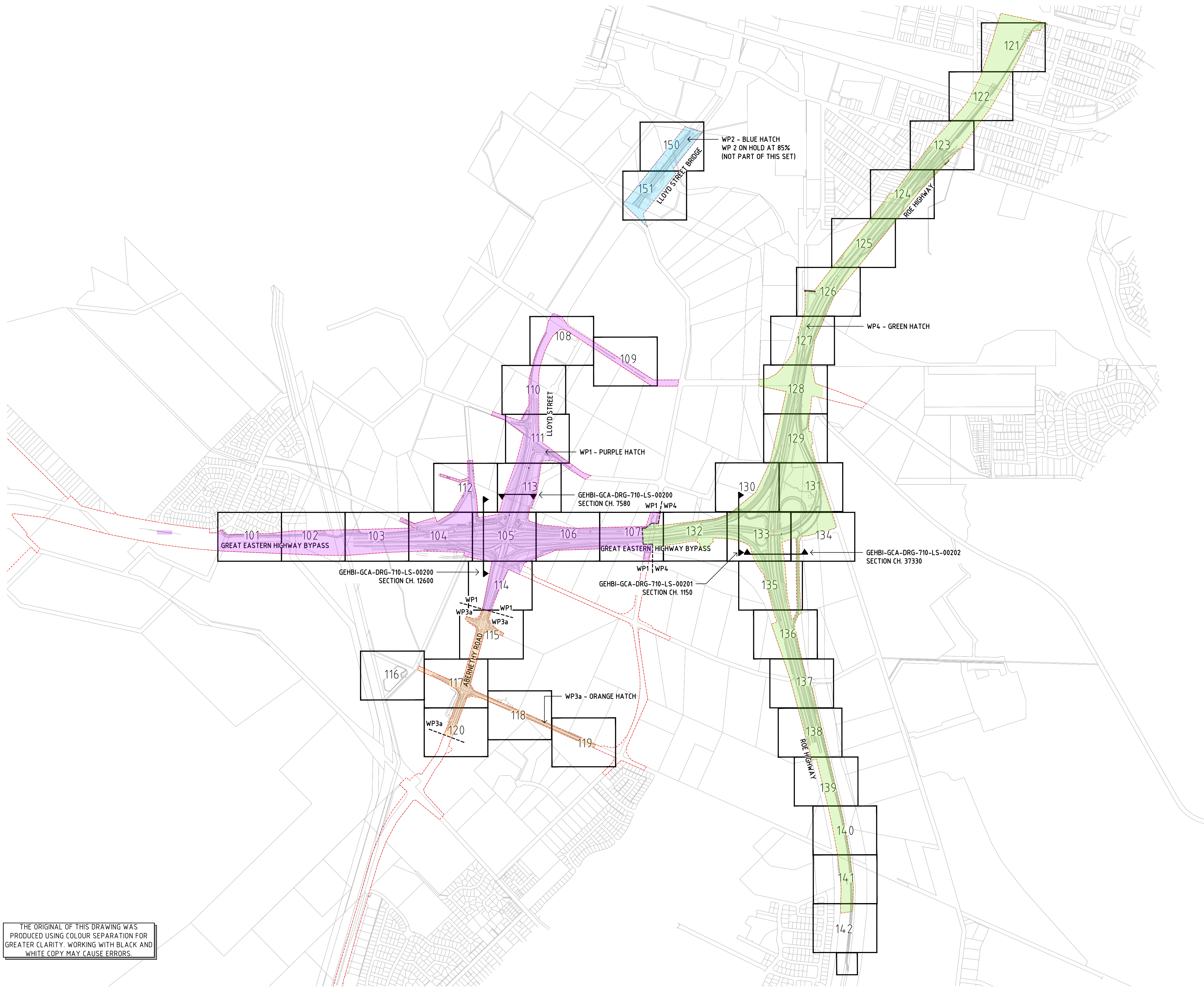


NOTE: ALL DRAWINGS ARE CONSIDERED UNCONTROLLED UNLESS STAMPED 'CONTROLLED COPY' IN RED



THE ORIGINAL OF THIS DRAWING WAS PRODUCED USING COLOUR SEPARATION FOR GREATER CLARITY. WORKING WITH BLACK AND WHITE COPY MAY CAUSE ERRORS.

DRAWING NUMBER	DRAWING TITLE
GEHBI-GCA-DRG-A710-LS-00001	COVER SHEET, KEY PLAN, AND DRAWING INDEX
GEHBI-GCA-DRG-A710-LS-00002	LANDSCAPE FINISHES LEGEND
GEHBI-GCA-DRG-A710-LS-00003	PLANTING SCHEDULE
GEHBI-GCA-DRG-A710-LS-00004	PLANTING SCHEDULE
GEHBI-GCA-DRG-A710-LS-00005	PLANTING SCHEDULE
GEHBI-GCA-DRG-A710-LS-00101	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00102	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00103	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00104	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00105	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00106	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00107	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00108	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00109	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00110	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00111	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00112	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00113	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00114	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00115	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00116	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00117	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00118	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00119	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00120	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00121	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00122	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00123	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00124	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00125	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00126	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00127	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00128	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00129	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00130	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00131	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00132	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00133	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00134	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00135	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00136	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00137	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00138	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00139	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00140	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00141	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00142	FINISHES AND PLANTING PLAN
GEHBI-GCA-DRG-A710-LS-00160	FINISHES AND PLANTING PLAN-UNDER BRIDGE
GEHBI-GCA-DRG-A710-LS-00200	SITE SECTIONS
GEHBI-GCA-DRG-A710-LS-00201	SITE SECTIONS
GEHBI-GCA-DRG-A710-LS-00202	SITE SECTIONS
GEHBI-GCA-DRG-A710-LS-00300	TYPICAL DETAILS AND SECTIONS
GEHBI-GCA-DRG-A710-LS-00301	TYPICAL DETAILS AND SECTIONS
GEHBI-GCA-DRG-A710-LS-00302	TYPICAL DETAILS AND SECTIONS
GEHBI-GCA-DRG-A710-LS-00303	TYPICAL DETAILS AND SECTIONS
GEHBI-GCA-DRG-A710-LS-00304	TYPICAL DETAILS AND SECTIONS
GEHBI-GCA-DRG-A710-LS-00350	DELETED DRAWING
GEHBI-GCA-DRG-A710-LS-00351	DELETED DRAWING



SCALE
NTS

D:\PROJ\2109 GEHBI\1 DRAWINGS\1A_CAD SHEET\GEHBI-GCA-DRG-A710-LS-0001.DWG

PROJECT TITLE				GREAT EASTERN HIGHWAY BYPASS INTERCHANGES			
DRAWING TITLE				URBAN AND LANDSCAPING DESIGN			
COVER SHEET, KEY PLAN AND DRAWING INDEX				SHEET 1 OF 1			
NRWA DRAWING No.				-			
LOCAL AUTHORITY				CITY OF SWAN & CITY OF KALAMUNDA			
MAIN ROADS RESPONSIBILITY AREA				METROPOLITAN REGION			
STATUS				IFC			
DRAWING NUMBER				GEHBI-GCA-DRG-A710-LS-00001			
REV				0			

PLOT DATE: Monday, 21 August 2023 1:31:37 PM PLOTTED BY: Ryan Cripps

LANDSCAPING FINISHES LEGEND

	MULCH ONLY, SETTLED THICKNESS 50 mm (NOM. 75 mm THICK).
	COMPACTED LATERITE, 150 mm DEPTH.
	LOW SHRUB PLANTING, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	TREES AND LOW SHRUBS, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	TREES AND LOW SHRUBS, (COCKATOO OFFSET) 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	UNDERSTOREY REVEGETATION, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	CANOPY AND UNDERSTOREY PLANTING, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	LOCAL GOVERNMENT AREA MEDIAN FINISH, 100 mm MULCH AND 100 mm TOPSOIL. SYMBOL INDICATES GROUP OF 5 TUBESTOCK TREE PLANTING.
	LOCAL GOVERNMENT AREA BATTER FINISH, 100 mm MULCH AND 100 mm TOPSOIL, 1 TUBE / 2m ² (1.4 m PLANT SPACING) AND 4.5 kg / ha SEED.
	LOCAL GOVERNMENT AREA VERGE FINISH, 100 mm MULCH AND 100 mm TOPSOIL, 1 TUBE / 2 m ² (1.4 m PLANT SPACING) AND 4.5 kg / ha SEED.
	FEATURE PLANTING MIX 1, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 2 TUBES / m ² (0.7 m PLANT SPACING) AND 4.5 kg / ha SEED.
	FEATURE PLANTING MIX 2, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 2 TUBES / m ² (0.7 m PLANT SPACING) AND 4.5 kg / ha SEED.
	SWALE MIX, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	SWALE MIX 2, (NO TREES) 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	BIOFILTRATION REVEGETATION, NO MULCH OR TOPSOIL, 4 TUBE / m ² (0.5 m PLANT SPACING).
	BASIN BASE REVEGETATION, NO MULCH OR TOPSOIL, 2 TUBE / m ² (0.7 m PLANT SPACING) AND 4.5 kg / ha SEED.
	BASIN EMBANKMENT REVEGETATION, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	REINSTATED IRRIGATED TURF. TO BE MAINTAINED AND IRRIGATED BY THE ADJOINING LAND OWNER.
	REMANT VEGETATION WITH INFILL PLANTING, NO MULCH OR SOIL TREATMENT. 1 TUBE / m ² IN BARE AREAS.
	EXISTING VEGETATION TO BE RETAINED AND PROTECTED.
	SCREENING AND BUFFER PLANTING TREATMENT, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / 2 m ² (1.4m PLANT SPACING) AND 4.5 kg / ha SEED.
	CONCRETE BROOM FINISH, TO LOCAL GOVERNMENT REQUIREMENTS.
	LATERITE ROCK PITCHING, REFER TO CIVIL AND DRAINAGE DOCUMENTATION.
	JUTE MESH MATTING, REFER DRAINAGE AND LANDSCAPE DOCUMENTATION.
	RED BRICK STENCILLED CONCRETE, TO LOCAL GOVERNMENT REQUIREMENTS.
	LIGHT GREY UNIT PAVING, TO MRWA REQUIREMENTS.
	OFFSET AREA WITH NO PLANTING, WITH ADJOINING GROUND TREATMENT, USUALLY 50 mm MULCH AND 50 mm MIXED TOPSOIL.
	SYMBOL INDICATES GROUP OF 5 TUBESTOCK STREET TREE PLANTING.
	10 m BLACK COCKATOO OFFSET LINE.
	SITE BOUNDARY.

HELENA RIVER PLANTING MIX LEGEND

	HELENA RIVER EMBANKMENT, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	HELENA RIVER FLOODPLAIN, 50 mm MULCH AND 50 mm MIXED TOPSOIL, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	HELENA RIVER RIPARIAN EDGE, 1 TUBE / m ² (1 m PLANT SPACING) AND 4.5 kg / ha SEED.
	HELENA RIVER RIPARIAN, 2 TUBE / m ² (0.7 m PLANT SPACING).

CIVIL SAFETY BARRIERS LEGEND

	EXISTING CONCRETE BARRIER
	EXISTING BARRIER
	CONSTANT SLOPE BARRIER (810)
	CONSTANT SLOPE BARRIER (915)
	CONSTANT SLOPE BARRIER (1070)
	W-BEAM BARRIER
	1400 CONCRETE SLOTTED BARRIER
	1070 CONCRETE SLOTTED BARRIER
	REGULAR PERFORMANCE STEEL RAIL BARRIER
	EZI-GUARD HC STEEL RAIL BARRIER
	EZI-GUARD 4 HC STEEL RAIL BARRIER
	TL4 RIGID BARRIER ON MSE WALL
	REGULAR PERFORMANCE RIGID TRAFFIC BARRIER
	MEDIUM PERFORMANCE RIGID TRAFFIC BARRIER
	BARRIER RETAINING COMBINATION STRUCTURE
	RETAINING BARRIER
	BARRIER TRANSITION (FOR BARRIER TRANSITION TYPE REFER BELOW)
	END TERMINALS - VARIOUS SYMBOLS, REFER TO SAFTEY BARRIER DRAWINGS.

ELECTRICAL LEGEND

	LIGHTING INFRASTRUCTURE - VARIOUS SYMBOLS, REFER TO ELECTRICAL DRAWINGS.
--	--

CIVIL FENCES, WALL, AND MISCELLANEOUS LEGEND

	1200 HIGH CHAINWIRE FENCE
	1400 HIGH CHAINWIRE FENCE
	1800 HIGH CHAINWIRE FENCE
	EXISTING FENCE
	WALL, RETAINING, MSE, OR SCREEN WALL. REFER TO CIVIL OR URBAN AESTHETIC DOCUMENTATION.
	GATE
	150mm LATERITE (LAT) ACCESS TRACK OR MAINTENANCE AREA / BAYS, REFER TO CIVIL DOCUMENTATION.
	SIGNAGE, REFER TO CIVIL DOCUMENTATION.
	SERVICES, REFER TO CIVIL DOCUMENTATION.

CIVIL DRAINAGE LEGEND

	CATCH PIT DRAINAGE INFRASTRUCTURE. ROCK PITCHING TO BE LATERITE.
	BATTER DRAIN, DRAINAGE INFRASTRUCTURE. ROCK PITCHING TO BE LATERITE.
	HEADWALL DRAINAGE INFRASTRUCTURE, REFER TO DRAINAGE DRAWINGS.
	DRAINAGE INFRASTRUCTURE - VARIOUS SYMBOLS REFER TO DRAINAGE DRAWINGS FOR FURTHER INFORMATION. BLUE - MRWA ASSET, GREEN - CoS (SWAN ASSET), PURPLE - CoK (KALAMUNDA ASSET).
	DRAINAGE INFRASTRUCTURE - VARIOUS DRAIN LINES. SSD - SUBSOIL DRAIN, SP - SPOON DRAIN, AND 1,2,3 - SWALES TYPES, REFER TO DRAINAGE DRAWINGS. BLUE - MRWA ASSET. PURPLE - CoK (CITY OF KALAMUNDA) ASSET. GREEN - CoS (CITY OF SWAN) ASSET.
	JUTE MESH MATTING, REFER DRAINAGE AND LANDSCAPE DOCUMENTATION

SURVEY LEGEND

	EXISTING TREES - VARIOUS SYMBOLS ON SITE SURVEY, ALSO SHOWN AS AN OUTLINE.
	EXISTING POWER AND LIGHT POLES - VARIOUS SYMBOLS ON SITE SURVEY.
	VARIOUS SERVICE PITS - VARIOUS SYMBOLS ON SITE SURVEY.
	SIGNAGE - VARIOUS SYMBOLS ON SITE SURVEY.

NOTES

1. FERTILISER TABLETS REQUIRED FOR ALL TUBESTOCK PLANTING, UNLESS PLANTING IN BASINS.
2. APPROXIMATE QUANTITIES HAVE BEEN SHOWN ON THE LANDSCAPE DRAWINGS, HOWEVER THE AREAS ARE SUBJECT TO CHANGE, AND WILL BE FINALISED IN THE IFC ISSUE.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH DESIGN REPORT, SPECIFICATIONS AND ALL OTHER LANDSCAPE DOCUMENTATION.
4. DRAWING SET TO BE READ IN CONJUNCTION WITH CIVIL, DRAINAGE, SAFETY BARRIER, STRUCTURES AND ELECTRICAL DRAWINGS, AND DESIGN REPORTS, AND ANY OTHER RELEVANT DOCUMENTATION.

THE ORIGINAL OF THIS DRAWING WAS PRODUCED USING COLOUR SEPARATION FOR GREATER CLARITY. WORKING WITH BLACK AND WHITE COPY MAY CAUSE ERRORS.

D:\PROJECTS\21209 GEHBV1\DRAWINGS\1\LA_CAD SHEET\GEHB1-GCA-DRG-A710-LS-00002.DWG

0	14/08/2023	ISSUED FOR CONSTRUCTION	DW
Rev.	DATE	DESCRIPTION	APPROVED

METADATA	
GROUND SURVEY STANDARD:	67-08-43
DATE OF CAPTURE:	
MAPPING SURVEY STANDARD:	PCG94
DATE OF CAPTURE:	
MAIN ROADS PROJECT ZONE:	PCG94
HEIGHT DATUM:	AHD

DESIGNER	landscape planners pty ltd urban landscape environment
Telephone:	08 9242 3997
Address:	5 / 39 King George St, Innaloo, WA 6018
Email:	studio@landscapeplanners.com.au
Web:	www.landscapeplanners.com.au

ALLIANCE	
----------	--

CLIENT	 INFRASTRUCTURE DELIVERY DIRECTORATE
--------	---

DESIGNED	A.SIEDL	MAR 2023	VERIFIER	D.LI	AUG 2023
DRAWN	J. VO	MAR 2023	DESIGN MANAGER APPROVED	D.WATSON	AUG 2023
CHECKED	D. WHEELER	MAR 2023	ALLIANCE PROJECT MANAGER APPROVED	H. LUN	AUG 2023
DRAWING PURPOSE					
FOR CONSTRUCTION					

PROJECT TITLE					
GREAT EASTERN HIGHWAY BYPASS INTERCHANGES					
DRAWING TITLE					SHEET
URBAN AND LANDSCAPING DESIGN					A1
LANDSCAPE FINISHES LEGEND					
SHEET 1 OF 1					
MRWA DRAWING No.					
-					
LOCAL AUTHORITY				MAIN ROADS RESPONSIBILITY AREA	
CITY OF SWAN & CITY OF KALAMUNDA				METROPOLITAN REGION	
STATUS		DRAWING NUMBER			REV
IFC		GEHB1-GCA-DRG-A710-LS-00002			0

TUBESTOCK PLANT SCHEDULE

LSP

Key	Botanic Name	Percent	Spacing	Qty.	Area
ATse	Atriplex semibaccata	5	1.0 m	1800	1793.9 m ²
COac	Conostylis aculeata	5	1.0 m	1800	1793.9 m ²
ERgl	Eremophila glabra (prostrate)	20	1.0 m	7176	7175.8 m ²
GRcr	Grevillea crithmifolia (prostrate)	25	1.0 m	8968	8969.7 m ²
ATci	Atriplex cinerea	10	1.0 m	3577	3587.4 m ²
HEpu	Hemandra pungens	10	1.0 m	3577	3587.9 m ²
MYin	Myoporum insulare (prostrate)	10	1.0 m	3577	3587.9 m ²
RHba	Rhagodia baccata	10	1.0 m	3577	3587.9 m ²
SCan	Scaevola anchusifolia	5	1.0 m	1800	1793.9 m ²

TS1

Key	Botanic Name	Percent	Spacing	Qty.	Area
ACla	Acacia lasiocarpa	2	1.0 m	812	805.5 m ²
ACpu	Acacia pulchella	2	1.0 m	812	805.5 m ²
ATse	Atriplex semibaccata	10	1.0 m	4032	4027.4 m ²
CAsa	Calothamnus sanguineus	5	1.0 m	2013	2013.7 m ²
COac	Conostylis aculeata	2	1.0 m	812	805.5 m ²
COca	Corymbia calophylla	3	1.0 m	1207	1208.2 m ²
ERgl	Eremophila glabra (prostrate)	10	1.0 m	4032	4027.4 m ²
EUgo	Eucalyptus gomphocephala	7	1.0 m	2819	2819.2 m ²
EUma	Eucalyptus marginata	5	1.0 m	2013	2013.7 m ²
EUro	Eucalyptus todiana	5	1.0 m	2013	2013.7 m ²
EUwa	Eucalyptus wandoo	5	1.0 m	2013	2013.7 m ²
GRcr	Grevillea crithmifolia (prostrate)	10	1.0 m	4032	4027.4 m ²
GRob	Grevillea obtusifolia 'Gingin Gem'	10	1.0 m	4032	4027.4 m ²
HEpu	Hemandra pungens	10	1.0 m	4032	4027.4 m ²
MYin	Myoporum insulare (prostrate)	4	1.0 m	1610	1611 m ²
RHba	Rhagodia baccata	5	1.0 m	2013	2013.7 m ²
SCan	Scaevola anchusifolia	5	1.0 m	2013	2013.7 m ²

TS2

Key	Botanic Name	Percent	Spacing	Qty.	Area
ACla	Acacia lasiocarpa	2	1.0 m	956	952.1 m ²
ACpu	Acacia pulchella	2	1.0 m	956	952.1 m ²
AGfl	Agonis flexuosa	5	1.0 m	2379	2380.3 m ²
ALfr	Allocasuarina fraseriana	5	1.0 m	2379	2380.3 m ²
ATse	Atriplex semibaccata	10	1.0 m	4763	4760.6 m ²
CAsa	Calothamnus sanguineus	5	1.0 m	2379	2380.3 m ²
COac	Conostylis aculeata	2	1.0 m	956	952.1 m ²
ERgl	Eremophila glabra (prostrate)	10	1.0 m	4763	4760.6 m ²
EUde	Eucalyptus decipiens	15	1.0 m	7145	7140.9 m ²
GRcr	Grevillea crithmifolia (prostrate)	10	1.0 m	4763	4760.6 m ²
GRob	Grevillea obtusifolia 'Gingin Gem'	10	1.0 m	4763	4760.6 m ²
HEpu	Hemandra pungens	10	1.0 m	4763	4760.6 m ²
MYin	Myoporum insulare (prostrate)	4	1.0 m	1905	1904.4 m ²
RHba	Rhagodia baccata	5	1.0 m	2379	2380.3 m ²
SCan	Scaevola anchusifolia	5	1.0 m	2379	2380.3 m ²

CUP

Key	Botanic Name	Percent	Spacing	Qty.	Area
ACco	Acacia cochlearis	8	1.0 m	9487	9485.4 m ²
ACla	Acacia lasiocarpa	2	1.0 m	2374	2371.3 m ²
ACpu	Acacia pulchella	2	1.0 m	2374	2371.3 m ²
ALhu	Allocasuarina humilis	2	1.0 m	2374	2371.3 m ²
ATci	Atriplex cinerea	3	1.0 m	3554	3557 m ²
BAat	Banksia attenuata	3	1.0 m	3554	3557 m ²
BAm	Banksia menziesii	3	1.0 m	3554	3557 m ²
BEel	Beaufortia elegans	2	1.0 m	2374	2371.3 m ²
CAsa	Calothamnus sanguineus	8	1.0 m	9487	9485.4 m ²
COca	Corymbia calophylla	2	1.0 m	4748	4742.7 m ²
COca	Conostylis candicans	2	1.0 m	4748	4742.7 m ²
EUgo	Eucalyptus gomphocephala	4	1.0 m	4748	4742.7 m ²
EUma	Eucalyptus marginata	4	1.0 m	4748	4742.7 m ²
EUto	Eucalyptus todiana	4	1.0 m	4748	4742.7 m ²
Flno	Ficinia nodosa	2	1.0 m	2374	2371.4 m ²
GRol	Grevillea olivacea	6	1.0 m	7114	3557 m ²
GRcr	Grevillea crithmifolia	3	1.0 m	3554	7114 m ²
HALi	Hakea lissocarpa	6	1.0 m	7114	3557 m ²
HApr	Hakea prostrata	3	1.0 m	3554	3557 m ²
HAtr	Hakea trifurcata	3	1.0 m	3554	2371.3 m ²
HEpu	Hemandra pungens	2	1.0 m	2374	2371.3 m ²
KUre	Kunzea recurva	2	1.0 m	2374	5928.4 m ²
MEhu	Melaleuca huegelii	5	1.0 m	5925	3557 m ²
MEla	Melaleuca lateritia	3	1.0 m	3554	1185.7 m ²
MEsc	Melaleuca scabra	1	1.0 m	1181	9485.4 m ²
MEsy	Melaleuca systena	8	1.0 m	9487	3557 m ²
MEte	Melaleuca terebinthifolia	3	1.0 m	3554	3557 m ²
MYin	Myoporum insulare (prostrate)	3	1.0 m	3554	1185.7 m ²

TUBESTOCK PLANT SCHEDULE

UNP

Key	Botanic Name	Percent	Spacing	Qty.	Area
ACco	Acacia cochlearis	10	1.0 m	531	529.6 m ²
ACla	Acacia lasiocarpa	4	1.0 m	213	211.8 m ²
ACpu	Acacia pulchella	4	1.0 m	213	211.8 m ²
ALhu	Allocasuarina humilis	5	1.0 m	264	264.8 m ²
ATci	Atriplex cinerea	5	1.0 m	264	264.8 m ²
BEel	Beaufortia elegans	2	1.0 m	106	105.9 m ²
CAsa	Calothamnus sanguineus	10	1.0 m	531	529.6 m ²
COca	Conostylis candicans	2	1.0 m	106	105.9 m ²
Flno	Ficinia nodosa	2	1.0 m	106	105.9 m ²
GRcr	Grevillea crithmifolia (prostrate)	4	1.0 m	213	211.8 m ²
GRol	Grevillea olivacea	6	1.0 m	319	317.8 m ²
HALi	Hakea lissocarpa	6	1.0 m	319	317.8 m ²
HApr	Hakea prostrata	4	1.0 m	213	211.8 m ²
HAtr	Hakea trifurcata	4	1.0 m	213	211.8 m ²
HEpu	Hemandra pungens	2	1.0 m	106	105.9 m ²
KUre	Kunzea recurva	2	1.0 m	106	105.9 m ²
MEhu	Melaleuca huegelii	6	1.0 m	319	317.8 m ²
MEla	Melaleuca lateritia	4	1.0 m	213	211.8 m ²
MEsc	Melaleuca scabra	1	1.0 m	52	53 m ²
MEsy	Melaleuca systena	10	1.0 m	531	529.6 m ²
MEte	Melaleuca terebinthifolia	4	1.0 m	213	211.8 m ²
MYin	Myoporum insulare (prostrate)	2	1.0 m	106	105.9 m ²
SCan	Scaevola anchusifolia	1	1.0 m	52	53 m ²

BBR

Key	Botanic Name	Percent	Spacing	Qty.	Area
ANfl	Anigozanthos flavidus	5	700 mm	2375	1187.1 m ²
ASsc	Astartea scoparia	5	700 mm	2375	1187.1 m ²
BALi	Banksia littoralis	2.5	700 mm	1185	593.6 m ²
BEae	Beaufortia aestiva	10	700 mm	4750	2374.2 m ²
CAap	Carex appressa	5	700 mm	2375	1187.1 m ²
COca	Conostylis candicans	7.5	700 mm	3560	1780.7 m ²
ELur	Eucalyptus rudis	7.5	700 mm	3560	1780.7 m ²
Flno	Ficinia nodosa	10	700 mm	4750	2374.2 m ²
JKur	Juncus kraussii	7.5	700 mm	3560	1780.7 m ²
JUpa	Juncus pallidus	10	700 mm	4750	2374.2 m ²
KUgl	Kunzea glabrescens	15	700 mm	7123	3561.3 m ²
MEla	Melaleuca lateritia	10	700 mm	4750	2374.2 m ²
MErh	Melaleuca raphiophylla	5	700 mm	2375	1187.1 m ²

BER

Key	Botanic Name	Percent	Spacing	Qty.	Area
ASsc	Astartea scoparia	5	1.0 m	649	647.2 m ²
BEae	Beaufortia aestiva	5	1.0 m	649	647.2 m ²
CAsa	Calothamnus sanguineus	10	1.0 m	1294	1294.5 m ²
COac	Conostylis aculeata	5	1.0 m	649	647.2 m ²
COca	Conostylis candicans	5	1.0 m	649	647.2 m ²
EUru	Eucalyptus rudis	10	1.0 m	1294	1294.5 m ²
Flno	Ficinia nodosa	10	1.0 m	1294	1294.5 m ²
HALi	Hakea lissocarpa	5	1.0 m	649	647.2 m ²
KUgl	Kunzea glabrescens	5	1.0 m	649	647.2 m ²
KUre	Kunzea recurva	5	1.0 m	649	647.2 m ²
MEla	Melaleuca lateritia	10	1.0 m	1294	1294.5 m ²
MEpr	Melaleuca preissiana	5	1.0 m	649	647.2 m ²
MErh	Melaleuca raphiophylla	5	1.0 m	649	647.2 m ²
MEsc	Melaleuca scabra	5	1.0 m	649	647.2 m ²
MEsy	Melaleuca systena	10	1.0 m	1294	1294.5 m ²

BIO

Key	Botanic Name	Percent	Spacing	Qty.	Area
BAar	Baumea articulata	5	500 mm	674	168.1 m ²
BAju	Baumea juncea	5	500 mm	674	168.1 m ²
BALi	Banksia littoralis	1.25	500 mm	167	42 m ²
BApr	Baumea preissii	12.5	500 mm	1677	420.1 m ²
CAob	Casuarina obesa	1.25	500 mm	167	42 m ²
ELur	Eucalyptus rudis	1.25	500 mm	167	42 m ²
Flno	Ficinia nodosa	12.5	500 mm	1677	420.1 m ²
JKur	Juncus kraussii	15	500 mm	2016	504.2 m ²
JUpa	Juncus pallidus	15	500 mm	2016	504.2 m ²
JUju	Juncus subsecundus	10	500 mm	1342	336.1 m ²
LEto	Lepidosperma longitudinale	8.75	500 mm	1174	294.1 m ²
MEpr	Melaleuca preissiana	2.5	500 mm	336	84 m ²
MErh	Melaleuca raphiophylla	2.5	500 mm	336	84 m ²
SCva	Schoenoplectus validus	7.5	500 mm	1007	252.1 m ²

TUBESTOCK PLANT SCHEDULE

FP1

Key	Botanic Name	Percent	Spacing	Qty.	Area
ANma	Anigozanthos manglieii	10	700 mm	1832	915.1 m ²
CAqu	Calothamnus quadrifidus (prostrate)	20	700 mm	3661	1830.3 m ²
HOpu	Hovea pungens	10	700 mm	1832	915.1 m ²
KEpr	Kennedia prostrata	10	700 mm	1832	915.1 m ²
MEsy	Melaleuca systena	25	700 mm	4576	2287.8 m ²
SCcr	Scaevola crassifolia	10	700 mm	1832	915.1 m ²
TEre	Templetonia relusa	15	700 mm	2746	1372.7 m ²

FP2

Key	Botanic Name	Percent	Spacing	Qty.	Area
ATse	Atriplex semibaccata	15	700 mm	1782	890.9 m ²
COac	Conostylis aculeata	10	700 mm	1187	593.9 m ²
COca	Conostylis candicans	10	700 mm	1187	593.9 m ²
ERgl	Eremophila glabra	15	700 mm	1782	890.9 m ²
ERni	Eremophila nivea	20	700 mm	2376	1187.8 m ²
OLax	Olearia axillaris	15	700 mm	1782	890.9 m ²
POpo	Poa polytrichoides	10	700 mm	1187	593.9 m ²
VEde	Vericordia densiflora	5	700 mm	596	297 m ²

HRB

Key	Botanic Name	Percent	Spacing	Qty.	Area
ACpu	Acacia pulchella	6	1.0 m	51	511.1 m ²
BAat	Banksia attenuata	2	1.0 m	18	17 m ²
BAGR	Banksia grandis	2	1.0 m	18	17 m ²
CAqu	Calothamnus quadrifidus	10	1.0 m	85	85.1 m ²
CAsa	Calothamnus sanguineus	10	1.0 m	85	85.1 m ²
COca	Corymbia calophylla	10	1.0 m	85	85.1 m ²
EUru	Eucalyptus rudis	15	1.0 m	128	127.7 m ²
Flno	Ficinia nodosa	10	1.0 m	85	85.1 m ²
HALi	Hakea lissocarpa	10	1.0 m	85	85.1 m ²
HAVA	Hakea varia	5	1.0 m	42	42.6 m ²
HYan	Hypocalymma angustifolium	10	1.0 m	85	85.1 m ²
JAFu	Jacksonia furellata	5	1.0 m	42	42.6 m ²
JASr	Jacksonia sternbergiana	5	1.0 m	42	42.6 m ²

HRE

Key	Botanic Name	Percent	Spacing	Qty.	Area
ASsc	Astartea scoparia	5	1.0 m	24	22.6 m ²
BAju	Baumea juncea	5	1.0 m	24	22.6 m ²
BALi	Banksia littoralis	5	1.0 m	24	22.6 m ²
CAsa	Calothamnus sanguineus	5	1.0 m	24	22.6 m ²
EUru	Eucalyptus rudis	10	1.0 m	46	45.3 m ²
Flno	Ficinia nodosa	10	1.0 m	46	45.3 m ²
JKur	Juncus kraussii	10	1.0 m	46	45.3 m ²
JUpa	Juncus pallidus	10	1.0 m	46	45.3 m ²
KUgl	Kunzea glabrescens	10	1.0 m	46	45.3 m ²
MErh	Melaleuca raphiophylla	10	1.0 m	46	45.3 m ²
MEse	Melaleuca seriata	5	1.0 m	24	22.6 m ²
TALi	Taxandria linearifolia	10	1.0 m	46	45.3 m ²

LSP - Low Shrub Planting		Total Area		35,879.00 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Species					
Acacia pulchella			25	0	4036
Atriplex semibaccata		5	10	1,794	1615
Conostylis aculeata			25	1,794	4036
Eremophila glabra 'prostrate'		20		7,176	0
Grevillea crithmifolia 'prostrate'		25		8,970	0
Grevillea obtusifolia 'gin gin gem'		10		3,588	0
Hemiandra pungens		10	10	3,588	1615
Myoporum insulare 'prostrate'		10		3,588	0
Rhagodia baccata		10	20	3,588	3229
Scaevola anchusifolia		5	10	1,794	1615
TOTAL					
		100	100	35,879	16,146

TS1 - Trees and Low Shrub Planting		Total Area		40,274.00 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Trees species					
Corymbia calophylla		3	5	1,208	906
Eucalyptus gomphocephala		7	5	2,819	906
Eucalyptus marginata		5	5	2,014	906
Eucalyptus tottiana		5	5	2,014	906
Eucalyptus wandoo		5	5	2,014	906
Low Shrub Species					
Acacia lasiocarpa		2	15	805	2718
Acacia pulchella		2	10	805	1812
Atriplex semibaccata		10	10	4,027	1812
Calothamnus sanguineus		5		2,014	0
Conostylis aculeata		2	15	805	2718
Eremophila glabra 'prostrate'		10		4,027	0
Grevillea crithmifolia 'prostrate'		10		4,027	0
Grevillea obtusifolia 'gin gin gem'		10		4,027	0
Hemiandra pungens		10	10	4,027	1812
Myoporum insulare 'prostrate'		4		1,611	0
Rhagodia baccata		5	10	2,014	1812
Scaevola anchusifolia		5	5	2,014	906
TOTAL					
		100	100	40,274	18,123

TS2 - Trees and Low Shrub Planting - Black Cockatoo Offset		Total Area		47,606.00 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Trees species					
Agonis flexuosa		5		2,380	0
Allocasuarina fraseriana		5		2,380	0
Eucalyptus decipiens		15	10	7,141	2142
Low Shrub Species					
Acacia lasiocarpa		2	15	952	3213
Acacia pulchella		2	15	952	3213
Atriplex semibaccata		10	15	4,761	3213
Calothamnus sanguineus		5		2,380	0
Conostylis aculeata		2	20	952	4285
Eremophila glabra 'prostrate'		10		4,761	0
Grevillea crithmifolia 'prostrate'		10		4,761	0
Grevillea obtusifolia 'gin gin gem'		10	10	4,761	2142
Hemiandra pungens		10		4,761	0
Myoporum insulare 'prostrate'		4		1,904	0
Rhagodia baccata		5	10	2,380	2142
Scaevola anchusifolia		5	5	2,380	1071
TOTAL					
		100	100	47,606	21,423

UNP - Understorey Planting		Total Area		5,295.00 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Species					
Acacia cochlearis		10	10	530	238
Acacia pulchella		4	5	212	119
Acacia lasiocarpa		4	5	212	119
Allocasuarina humilis		5		265	0
Atriplex cinerea		5	10	265	238
Beaufortia elegans		2		106	0
Calothamnus sanguineus		10		530	0
Conostylis candicans		2	5	106	119
Ficinia nodosa		2	5	106	119
Grevillea crithmifolia		4		212	0
Grevillea olivacea		6		318	0
Hakea lissocarpa		6	10	318	238
Hakea trifurcata		4		212	0
Hakea prostrata		4		212	0
Hemiandra pungens		2		106	0
Kunzea recurva		2		106	0
Melaleuca huegelii		6	10	318	238
Melaleuca lateritia		4	10	212	238
Melaleuca teretifolia		4	5	212	119
Melaleuca systena		10	20	530	477
Melaleuca scabra		1	5	53	119
Myoporum insulare		2		106	0
Scaevola anchusifolia		1		53	0
TOTAL					
		100	100	5,295	2,383

CUP - Canopy and Understorey Planting		Total Area		118,566.00 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Tree (canopy) species					
Banksia attenuata		3	2	3,557	1067
Banksia menziesii		3	2	3,557	1067
Corymbia calophylla		2	2	2,371	1067
Eucalyptus gomphocephala		4	5	4,743	2688
Eucalyptus marginata		4	3	4,743	1601
Eucalyptus tottiana		4	5	4,743	2688
Understorey species					
Acacia cochlearis		8	10	9,485	5335
Acacia pulchella		2	4	2,371	2134
Acacia lasiocarpa		2	4	2,371	2134
Allocasuarina humilis		2		2,371	0
Atriplex cinerea		3	10	3,557	5335
Beaufortia elegans		2		2,371	0
Calothamnus sanguineus		8		9,485	0
Conostylis candicans		2	4	2,371	2134
Ficinia nodosa		2	4	2,371	2134
Grevillea crithmifolia		3		3,557	0
Grevillea olivacea		6		7,114	0
Hakea lissocarpa		6	10	7,114	5335
Hakea trifurcata		3		3,557	0
Hakea prostrata		3		3,557	0
Hemiandra pungens		2		2,371	0
Kunzea recurva		2		2,371	0
Melaleuca huegelii		5	6	5,928	3201
Melaleuca lateritia		3	6	3,557	3201
Melaleuca teretifolia		3	4	3,557	2134
Melaleuca systena		8	15	9,485	8003
Melaleuca scabra		1	4	1,186	2134
Myoporum insulare		3		3,557	0
Scaevola anchusifolia		1		1,186	0
TOTAL					
		100	100	118,566	53,355

LGA - Local Government Median Planting		Total Area		0.00 m²	
PLANTING DENSITY	(1 symbol represents 5 tubestock)				
	Tube symbol	% Seed	Total Tubes (unit)	Total seed (g)	
Roundabouts tree species					
Eucalyptus marginata	8		40	0	
Eucalyptus tottiana	6		30	0	
Medians tree species					
Eucalyptus wandoo	49		245	0	
Eucalyptus laeoliae	99		495	0	
TOTAL					
		162	0	810	0

LGB - Local Government Batter		Total Area		30,302.00 m²	
PLANTING DENSITY	1 Tube / 2m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Tree species					
Agonis flexuosa		4		1,212	0
Eucalyptus gomphocephala		4	5	1,212	682
Eucalyptus laeoliae		2	5	606	682
Eucalyptus lane-pooliei		2	5	606	682
Eucalyptus marginata		3		909	0
Eucalyptus tottiana		5	10	1,515	1364
Low shrub species					
Anigozanthos flavidus (red)		3	10	909	1364
Beaufortia elegans		1	10	303	1364
Calothamnus quadrifidus		2	10	606	1364
Conostylis candicans		2	5	606	682
Eremophila glabra 'prostrate'		3		909	0
Grevillea crithmifolia 'prostrate'		3		909	0
Grevillea obtusifolia 'gin gin gem'		3		909	0
Grevillea olivacea		2	5	606	682
Hakea lissocarpa		2	10	606	1364
Hemiandra pungens		3	5	909	682
Hypocalymma angustifolium		2	5	606	682
Melaleuca serata		2	5	606	682
Scaevola anchusifolia		2	10	606	1364
TOTAL					
		50	100	15,151	13,636

LGC - Local Government Verge		Total Area		9,809.30 m²	
PLANTING DENSITY	1 Tube / 2m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Low shrub species					
Anigozanthos flavidus (red)		8	15	785	682
Beaufortia elegans		5	25	490	1104
Conostylis candicans		3	10	294	441
Eremophila glabra 'prostrate'		7		687	0
Grevillea crithmifolia 'prostrate'		7		687	0
Grevillea obtusifolia 'gin gin gem'		6		589	0
Hemiandra pungens		5	10	490	441
Hypocalymma angustifolium		4	10	392	441
Melaleuca serata		3	10	294	441
Scaevola anchusifolia		2	20	196	883
TOTAL					
		50	100	4,905	4,414

FP1 - Feature Planting Mix 1 (Green Foliage)		Total Area		9,141.00 m²	
PLANTING DENSITY	2 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Species					
Anigozanthos manglesii		20	30	1,828	1234
Calothamnus quadrifidus 'prostrate'		40		3,656	0
Hovea pungens		20		1,828	0
Kennedia prostrata		20	10	1,828	411
Melaleuca systena		50	40	4,571	1645
Scaevola crassifolia 'prostrate'		20		1,828	0
Templetonia retusa		30	20	2,742	823
TOTAL					
		200	100	18,282	4,113

FP2 - Feature Planting Mix 2 (Grey Foliage)		Total Area		5,939.00 m²	
PLANTING DENSITY	2 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Species					
Atriplex semibaccata		30	10	1,782	267
Conostylis aculeata		20	20	1,188	535
Conostylis candicans		20	20	1,188	535
Eremophila glabra 'prostrate'		30		1,782	0
Eremophila nivea		40	10	2,376	267
Olearia axillaris		30	10	1,782	267
Poa poliformis		20	30	1,188	802
Verticordia densiflora		10		594	0
TOTAL					
		200	100	11,878	2,673

D:\PROJ\2109\GEHBI\1_DRAWINGS\1A_CAD\SHEET\GEHBI-GCA-DRG-A710-LS-0000.DWG

PLOT DATE: Monday, 21 August 2023 1:31:56 PM PLOTTED BY: Ryan Cripps

			METADATA			DESIGNER			ALLIANCE			CLIENT			DESIGNED			A.SIEDL			MAR 2023			VERIFIER			D.LI			AUG 2023			DRAWING TITLE			URBAN AND LANDSCAPING DESIGN			PLANTING SCHEDULE			SHEET 1 OF 2			SHEET			A1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			GROUND SURVEY STANDARD:			67-08-43			 landscape planners pty ltd urban landscape environment						 mainroads WESTERN AUSTRALIA			INFRASTRUCTURE DELIVERY DIRECTORATE			DRAWN			J. VO			MAR 2023			DESIGN MANAGER			APPROVED			D.WATSON			AUG 2023			HRWA DRAWING No.			-			LOCAL AUTHORITY			-			MAIN ROADS RESPONSIBILITY AREA			METROPOLITAN REGION			REV			0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			DATE OF CAPTURE:																		Telephone:			08 9242 3997			Address:			5 / 39 King George St, Innaloo, WA 6018			Email:			studio@landscapeplanners.com.au			Web:			www.landscapeplanners.com.au			CHECKED			D. WHEELER			MAR 2023			ALLIANCE PROJECT			MANAGER APPROVED			H. LUN			AUG 2023			DRAWING PURPOSE			FOR CONSTRUCTION			STATUS			IFC			DRAWING NUMBER			GEHBI-GCA-DRG-A710-LS-00004																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			MAPPING SURVEY STANDARD:			PCG94															Date:			5 / 39 King George St, Innaloo, WA 6018			Email:			studio@landscapeplanners.com.au			Web:			www.landscapeplanners.com.au			DRAWING PURPOSE			FOR CONSTRUCTION			STATUS			IFC			DRAWING NUMBER			GEHBI-GCA-DRG-A710-LS-00004																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			DATE OF CAPTURE:																		Main Roads Project Zone:			PCG94			Height Datum:			AHD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

SWA - Swale Planting Mix		Total Area		16,208.00 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Tree species					
Eucalyptus rudis		5	2	810	146
Melaleuca preissiana		10	5	1,621	365
Melaleuca raphiophylla		10	5	1,621	365
Low Species					
Anigozanthus flavidus		5	15	810	1094
Astartea scoparia				810	0
Beaufortia aestiva		10		1,621	0
Conostylis aculeata		5	18	810	1313
Conostylis candicans		5	15	810	1094
Ficinia nodosa		10	20	1,621	1459
Juncus pallidus		10		1,621	0
Kunzea glabrescens		10	10	1,621	729
Kunzea recurva		5		810	0
Melaleuca lateritia		10	10	1,621	729
TOTAL					
		100	100	16,208	7,294

SW2 - Swale Planting Mix (No Trees)		Total Area		14,278.30 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Low Species					
Anigozanthus flavidus		10	20	1,428	1285
Astartea scoparia		10		1,428	0
Beaufortia aestiva		15	10	2,142	643
Conostylis aculeata		5	15	714	964
Conostylis candicans		5	15	714	964
Ficinia nodosa		10	20	1,428	1285
Juncus pallidus		10		1,428	0
Kunzea glabrescens		15	10	2,142	643
Kunzea recurva		5		714	0
Melaleuca lateritia		15	10	2,142	643
TOTAL					
		100	100	14,278	6,425

BIO - Biofiltration Planting Mix		Total Area		3,361.00 m²	
PLANTING DENSITY	4 Tube / m²				
SEEDING RATE		Tube / 100m²		Total Tubes (unit)	Total seed (g)
Tree species					
Banksia littoralis		5		168	0
Casuarina obesa		5		168	0
Eucalyptus rudis		5		168	0
Melaleuca preissiana		10		336	0
Melaleuca raphiophylla		10		336	0
Low Species					
Baumea articulata		20		672	0
Baumea juncea		20		672	0
Baumea preissii		50		1,681	0
Ficinia nodosa		50		1,681	0
Juncus kraussii		60		2,017	0
Juncus pallidus		60		2,017	0
Juncus subsecundus		40		1,344	0
Lepidosperma longitudinale		35		1,176	0
Schoenoplectus validus		30		1,008	0
TOTAL					
		400	0	13,444	0

BBR - Basin Base Revegetation		Total Area		23,742.00 m²	
PLANTING DENSITY	2 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Tree species					
Banksia littoralis		5		1,187	0
Eucalyptus rudis		15	5	3,561	534
Melaleuca raphiophylla		10	5	2,374	534
Low Species					
Anigozanthus flavidus		10	10	2,374	1068
Astartea scoparia		10	5	2,374	534
Beaufortia aestiva		20	10	4,748	1068
Carex appressa		10	5	2,374	534
Conostylis candicans		15	15	3,561	1603
Ficinia nodosa		20	10	4,748	1068
Juncus kraussii		15		3,561	0
Juncus pallidus		20	10	4,748	1068
Kunzea glabrescens		30	15	7,123	1603
Melaleuca lateritia		20	10	4,748	1068
TOTAL					
		200	100	47,484	10,684

BER - Basin Embankment Revegetation		Total Area		12,944.00 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Tree species					
Eucalyptus rudis		10	5	1,294	291
Melaleuca preissiana		5	5	647	291
Melaleuca raphiophylla		5	5	647	291
Low Species					
Astartea scoparia		5	5	647	291
Beaufortia aestiva		5	5	647	291
Calothamnus sanguineus		10		1,294	0
Conostylis aculeata		5	10	647	582
Conostylis candicans		5	10	647	582
Ficinia nodosa		10	15	1,294	874
Hakea lissocarpha		5		647	0
Kunzea glabrescens		5	5	647	291
Kunzea recurva		5		647	0
Melaleuca lateritia		10	10	1,294	582
Melaleuca systena		10	15	1,294	874
Melaleuca scabra		5	10	647	582
TOTAL					
		100	100	12,944	5,825

SCR - Screening Planting		Total Area		4,860.00 m²	
PLANTING DENSITY	1 Tube / 2m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Tree (Canopy) species					
Banksia attenuata		2	10	97	219
Banksia menziesii		2	10	97	219
Eucalyptus gomphocephala		5	10	243	219
Eucalyptus todiana		15	10	729	219
Species					
Allocasuarina humilis		3	10	146	219
Grevillea olivacea		5	10	243	219
Hakea trifurcata		5	5	243	109
Hakea varia		1	10	49	219
Melaleuca huegelii		5	10	243	219
Melaleuca nesophila		5	5	243	109
Melaleuca systena		2	10	97	219
TOTAL					
		50	100	2,430	2,187

REI - Remnant Vegetation with Infill Planting		Total Area		0.00 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE		Tube / 100m²		Total Tubes (unit)	Total seed (g)
Tree species					
Banksia attenuata		8		0	0
Banksia menziesii		8		0	0
Corymbia calophylla		9		0	0
Eucalyptus gomphocephala		9		0	0
Eucalyptus marginata		9		0	0
Eucalyptus todiana		9		0	0
Understorey species					
Acacia cochlearis		8		0	0
Calothamnus sanguineus		8		0	0
Grevillea crithmifolia		8		0	0
Hakea lissocarpha		8		0	0
Hemiandra pungens		8		0	0
Melaleuca systena		8		0	0
TOTAL					
		100	0	0	0

HRB - Helena River Embankment		Total Area		851.20 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Tree species					
Banksia attenuata		2	2	17	8
Banksia grandis		2	5	17	19
Corymbia calophylla		10	10	85	38
Eucalyptus rudis		15	10	128	38
Low Species					
Acacia pulchella		6	15	51	57
Calothamnus quadrifidus		10	4	85	15
Calothamnus sanguineus		10	10	85	38
Ficinia nodosa		10	10	85	38
Hakea lissocarpha		10	6	85	23
Hakea varia		5	6	43	23
Hypocalymma angustifolium		10	10	85	38
Jacksonia furcellata		5	5	43	19
Jacksonia sternbergiana		5	7	43	27
TOTAL					
		100	100	851	383

HRF - Helena River Floodplain		Total Area		733.20 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Tree species					
Banksia littoralis		10	5	73	16
Eucalyptus rudis		10	15	73	49
Melaleuca raphiophylla		10	10	73	33
Low Species					
Astartea scoparia		5		37	0
Calothamnus quadrifidus		10		73	0
Calothamnus sanguineus		10		73	0
Ficinia nodosa		10	15	73	49
Kunzea glabrescens		5	15	37	49
Melaleuca lateritia		10	20	73	66
Melaleuca seriat		10	20	73	66
Taxandria linearifolia		5		37	0
Viminaria juncea		5		37	0
TOTAL					
		100	100	733	330

HRE - Helena River Riparian Edge		Total Area		452.70 m²	
PLANTING DENSITY	1 Tube / m²				
SEEDING RATE	4.5kg / ha	Tube / 100m²	% Seed	Total Tubes (unit)	Total seed (g)
Tree species					
Banksia littoralis		5	5	23	10
Eucalyptus rudis		10	10	45	20
Melaleuca raphiophylla		10	10	45	20
Low Species					
Astartea scoparia		5	5	23	10
Baumea juncea		5		23	0
Calothamnus sanguineus		5	10	23	20
Kunzea glabrescens		10	20	45	41
Ficinia nodosa		10	15	45	31
Juncus kraussii		10		45	0
Juncus pallidus		10		45	0
Melaleuca seriat		5	10	23	20
Taxandria linearifolia		10	15	45	31
Viminaria juncea		5		23	0
TOTAL					
		100	100	453	204

HRR - Helena River Riparian		Total Area		393.90 m²	
PLANTING DENSITY	2 Tube / m²				
SEEDING RATE		Tube / 100m²		Total Tubes (unit)	Total seed (g)
Tree species					
Melaleuca preissiana		20		79	0
Melaleuca raphiophylla		20		79	0
Low Species					
Baumea juncea		20		79	0
Centella asiatica		10		39	0
Ficinia nodosa		40		158	0
Juncus kraussii		45		177	0
Juncus pallidus		45		177	0
TOTAL					
		200	0	788	0

D:\PROJECTS\2019\GEHBI\DRAWINGS\1A_CAD\SHEET\GEHBI-GCA-DRG-A710-LS-00005.DWG

Rev		DATE	DESCRIPTION	APPROVED	HEIGHT DATUM:	AHD
0		14/08/2023	ISSUED FOR CONSTRUCTION	DW	MAIN ROADS PROJECT ZONE: PCG94	

METADATA

GROUND SURVEY STANDARD:
67-08-43

DATE OF CAPTURE:

MAPPING SURVEY STANDARD: PCG94

DATE OF CAPTURE:

MAIN ROADS PROJECT ZONE: PCG94

DESIGNER

landscape planners pty ltd
urban | landscape | environment

Telephone: 08 9242 3997
Address: 5 / 39 King George St, Innaloo, WA 6018
Email: studio@landscapeplanners.com.au
Web: www.landscapeplanners.com.au

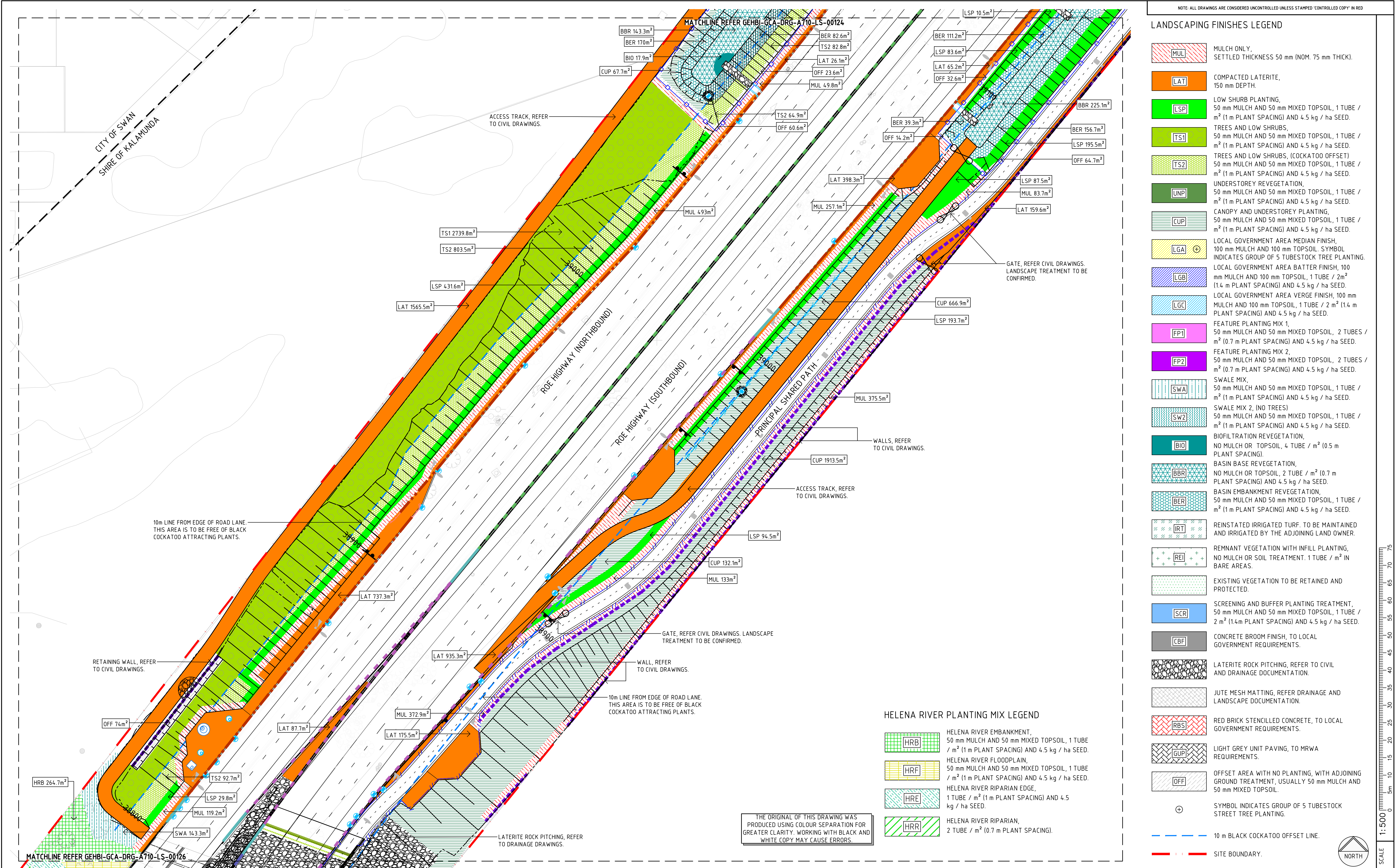
ALLIANCE

CLIENT

INFRASTRUCTURE DELIVERY DIRECTORATE

DESIGNED	A.SIEDL	MAR 2023	VERIFIER	D.LI	AUG 2023
DRAWN	J. VO	MAR 2023	DESIGN MANAGER APPROVED	D.WATSON	AUG 2023
CHECKED	D. WHEELER	MAR 2023	ALLIANCE PROJECT MANAGER APPROVED	H. LUN	AUG 2023
DRAWING PURPOSE					
FOR CONSTRUCTION					

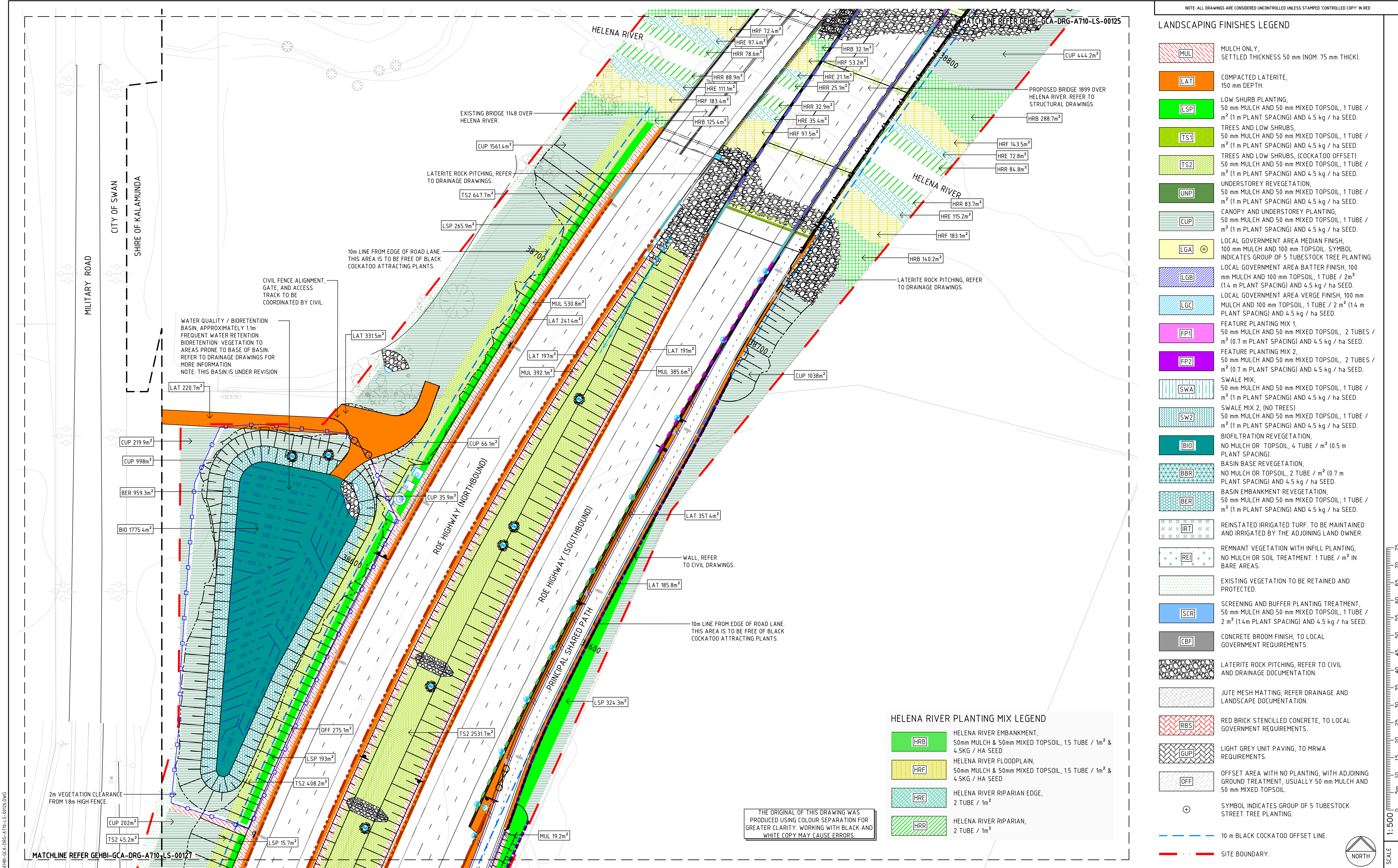
PROJECT TITLE		GREAT EASTERN HIGHWAY BYPASS INTERCHANGES	
DRAWING TITLE		URBAN AND LANDSCAPING DESIGN PLANTING SCHEDULE SHEET 2 OF 2	
NRWA DRAWING No.		—	
LOCAL AUTHORITY		MAIN ROADS RESPONSIBILITY AREA METROPOLITAN REGION	
STATUS	DRAWING NUMBER		REV
IFC	GEHBI-GCA-DRG-A710-LS-00005		0



PROJECT TITLE				GREAT EASTERN HIGHWAY BYPASS INTERCHANGES			
DRAWING TITLE				URBAN AND LANDSCAPING DESIGN			
WP4-35.40 SLK TO 40.28 SLK ROE HIGHWAY				FINISHES AND PLANTING PLAN			
SHEET 25 OF 44				A1			
LOCAL AUTHORITY				CITY OF KALAMUNDIA			
DRAWING PURPOSE				FOR CONSTRUCTION			
STATUS				IFC			
DRAWING NUMBER				GEHBI-GCA-DRG-A710-LS-00125			
REV				0			

METADATA		DESIGNER		ALLIANCE		CLIENT	
GROUND SURVEY STANDARD: 67-08-43		landscape planners pty ltd		GreaterConnect ALLIANCE		mainroads WESTERN AUSTRALIA	
DATE OF CAPTURE:		Address: 5 / 39 King George St, Innaloo, WA 6018		INFRASTRUCTURE DELIVERY DIRECTORATE		DRAWING PURPOSE	
MAPPING SURVEY STANDARD: PCG94		Email: studio@landscapeplanners.com.au				DESIGNED: A.SIEDL	
DATE OF CAPTURE:		Web: www.landscapeplanners.com.au				DRAWN: J.VO	
MAIN ROADS PROJECT ZONE: PCG94						CHECKED: D.WHEELER	
HEIGHT DATUM: AHD						VERIFIER: D.LI	
DW						AUG 2023	
APPROVED						DESIGN MANAGER APPROVED	
						D.WATSON	
						AUG 2023	
						ALLIANCE PROJECT MANAGER APPROVED	
						H. LUN	
						AUG 2023	

D:\PROJ\21209\GEHBI\DRAWINGS\11A_CAD\SHEET\GEHBI-GCA-DRG-A710-LS-00125.DWG



PROJECT TITLE				GREAT EASTERN HIGHWAY BYPASS INTERCHANGES			
DRAWING TITLE				URBAN AND LANDSCAPING DESIGN			
WP4-35.40 SLK TO 40.28 SLK ROE HIGHWAY				FINISHES AND PLANTING PLAN			
SHEET 26 OF 44				A1			
MRWA DRAWING No.				-			
LOCAL AUTHORITY				CITY OF KALAMUNDA			
MAIN ROADS RESPONSIBILITY AREA				METROPOLITAN REGION			
STATUS				IFC			
DRAWING NUMBER				GEHBI-GCA-DRG-A710-LS-00126			
REV				0			

METADATA		DESIGNER		ALLIANCE		CLIENT	
GROUND SURVEY STANDARD: 67-08-43		landscape planners pty ltd		GreaterConnect		mainroads	
DATE OF CAPTURE:		urban landscape environment		Alliance		Western Australia	
MAPPING SURVEY STANDARD: PCG94		Telephone: 08 9242 3997		Infrastructure Delivery Directorate			
DATE OF CAPTURE:		Address: 5 / 39 King George St, Innaloo, WA 6018					
MAIN ROADS PROJECT ZONE: PCG94		Email: studio@landscapeplanners.com.au					
HEIGHT DATUM: AHD		Web: www.landscapeplanners.com.au					

Rev		DATE		DESCRIPTION		APPROVED	
0		14/08/2023		ISSUED FOR CONSTRUCTION		DW	

FOR CONSTRUCTION

0

D:\PROJ\21209\GEHBI\1_DRAWINGS\1A_CAD_SHEET\GEHBI-GCA-DRG-A710-LS-00126.DWG
PLOT DATE: Monday, 21 August 2023 15:14:00 PM PLOTTED BY: Ryan Cripps