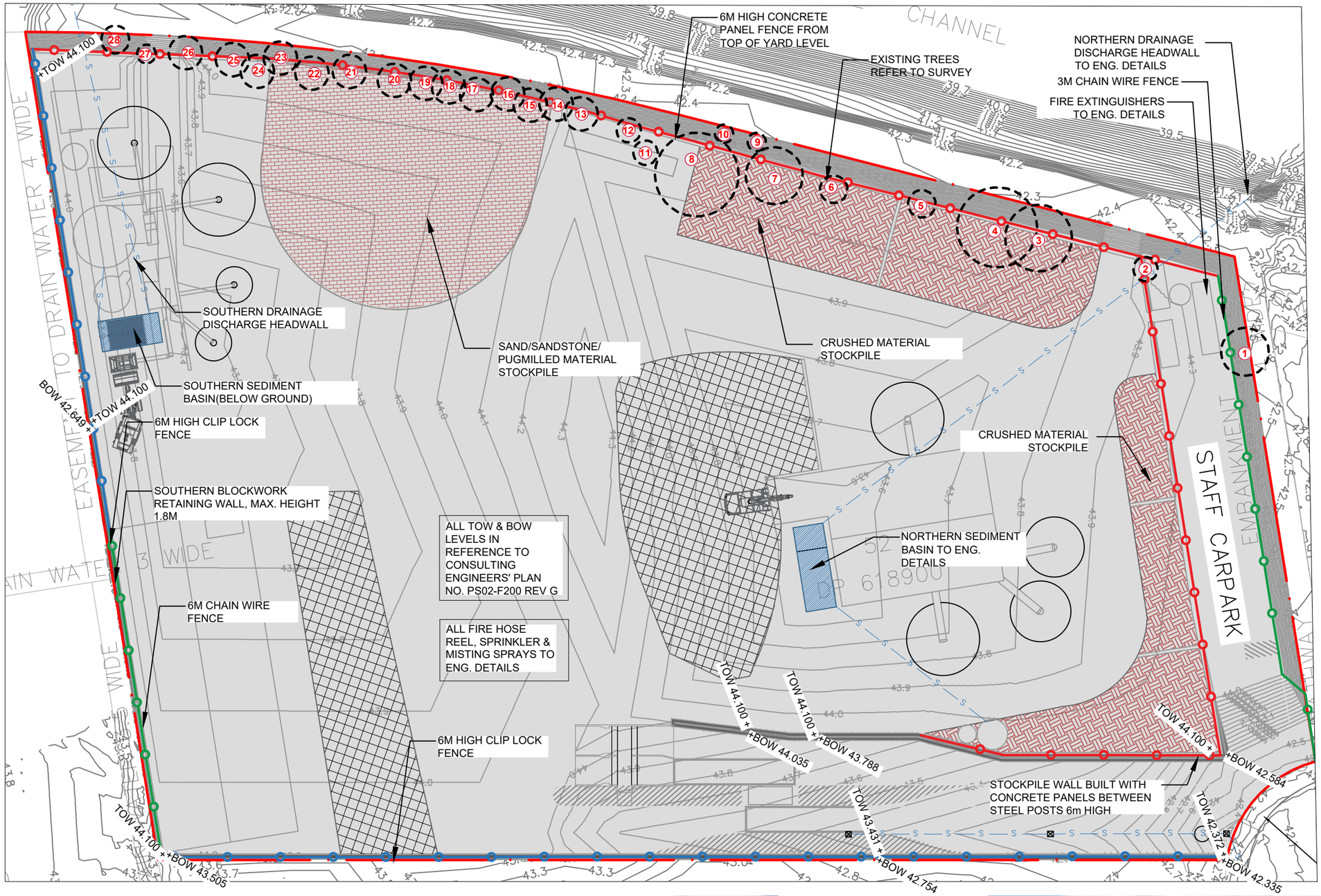
Appendix 18

Landscape Plans

SITE LAYOUT



LOCATION PLAN

Scale: NTS

HARDSCAPE ITEMS

- CHAIN WIRE FENCE
- CONCRETE PANEL FENCE
- CLIP LOCK FENCE
- STORMWATER PIPELINE
- SITE BOUNDARY
- SEDIMENT BASIN
- BLOCKWORK RETAINING WALL-REFER DETAIL 6 FOR TYPICAL DETAIL
- UNCRUSHED MATERIAL
- CRUSHED MATERIAL STOCKPILE
- SAND/SANDSTONE/ PUGMILLED MATERIAL STOCKPILE

TREE SURVEY

Existing Trees based on site visit conducted by a Horticulturist on 24.01.17

No.#	Species	Size (Ht x Sp)	Condition	Action
1	Unidentified tree.	8x6	Good	Remove
2	Eucalyptus spp	6x3	Fair	Remove
3	*Eucalyptus spp*	12x10	Good	Remove
4	*Eucalyptus spp*	12x10	Fair	Remove
5	*Eucalyptus spp*	15x4	Poor	Remove
6	*Eucalyptus spp*	12x4	Poor	Remove
7	*Eucalyptus spp.*	9x3	Fair	Remove
8	*Eucalyptus spp*	16x12	Good	Remove
9	Allocasuarina spp	12x4	Poor	Remove
10	Allocasuarina spp	12x4	Poor	Remove
11	Eucalyptus spp		dead	Remove
12	Allocasuarina spp	6x3	Poor	Remove
13-28	Allocasuarina	8-12 tall	Fair	Remove

DRAWING SCHEDULE

SHEET #	DRAWING TITLE	REV.
/1 TITLE	SITE LAYOUT PLAN	F
/2	LANDSCAPE PLAN	F
/3	DETAIL + SPECIFICATION	D

REV	DATE	NOTATION/AMENDMENT
A	11.01.17	Preliminary DA prepared for review
B	27.01.17	Updated existing site condition
C	10.02.17	Co-ordinated with updated site plan
D	12.12.18	Co-ordinated with updated site plan
E	12.03.19	Finalized landscape plan
F	23.04.20	For submission

IMAGES OF EXISTING SITE CONDITION

VIEW TOWARDS TREE 2 & BOW BOWING CREEK

VIEW TOWARDS TREE 3,4 & BOW BOWING CREEK

VIEW TOWARDS TREE 3,4

TREE 7

TREE 8

VIEW TOWARDS EXISTING ALLOCASUARINA

PROPOSED LANDSCAPE UPGRADES TO RECYCLING FACILITY

7 MONTORE RD, MINTO

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LEGEND & SCHEDULE

NOTES:
1. ALL FINAL PLANT QUANTITIES INDICATED ON PLANS SHALL BE CHECKED AND VERIFIED BY SUCCESSFUL LANDSCAPE CONTRACTOR.
2. ANY PLANT SUBSTITUTES REQUIRED DUE TO UNAVAILABILITY SHALL BE RECOMMENDED BY THE LANDSCAPE CONTRACTOR TO BEST MATCH SUBSTITUTED PLANTS AND APPROVED PRIOR TO PURCHASING BY THE LANDSCAPE ARCHITECT.
3. WORKS CERTIFIED FOR FINAL OCCUPANCY CERTIFICATE ARE TO MATCH APPROVED LANDSCAPE PLANS.
4. LANDSCAPE CONTRACTOR SHALL LOCATE AND AVOID SITE STORM WATER & DRAINAGE SERVICES. LOCATE TREES A MINIMUM 1.25M FROM PITS
5. ALL PLANTING AROUND EXISTING TREES SHALL BE ADJUSTED TO AVOID DAMAGE AND CLASHING WITH SURFACE ROOTS

* TREE SPECIES SELECTED FROM COUNCIL'S NATIVE GARDENING GUIDE

Small Tree

Botanical Name: *Banksia integrifolia*
Common Name: Coastal Banksia (Native)
Pot size: 45L
Mature H x S: 6-8m x 4-5m
Qty Required: 13

Botanical Name: *Ceratopetalum gummiferum*
Common Name: NSW Christmas Bush (Native)
Pot size: 45L
Mature H x S: 5-8m x 3-4m
Qty Required: 18

Botanical Name: *Melaleuca decora**
Common Name: White Feather Honey Myrtle (Native)
Pot size: 45Lt
Mature H x S: 7m x 5m
Qty Required: 18

Botanical Name: *Elaeocarpus reticulatus**
Common Name: Blueberry Ash (Native)
Pot size: 45L
Mature H x S: 8-10m x 6-7m
Qty Required: 10

1V:2H GRADE EMBANKMENTS MASS PLANTED WITH ENDEMIC SPECIES INCLUDING SHRUBS & GROUNDCOVERS (REFER DETAILS 01 & 02)

GROUNDCOVERS / GRASSES:
- *Dianella prunina*
- *Hardenbergia violacea*
- *Lomandra longifolia*

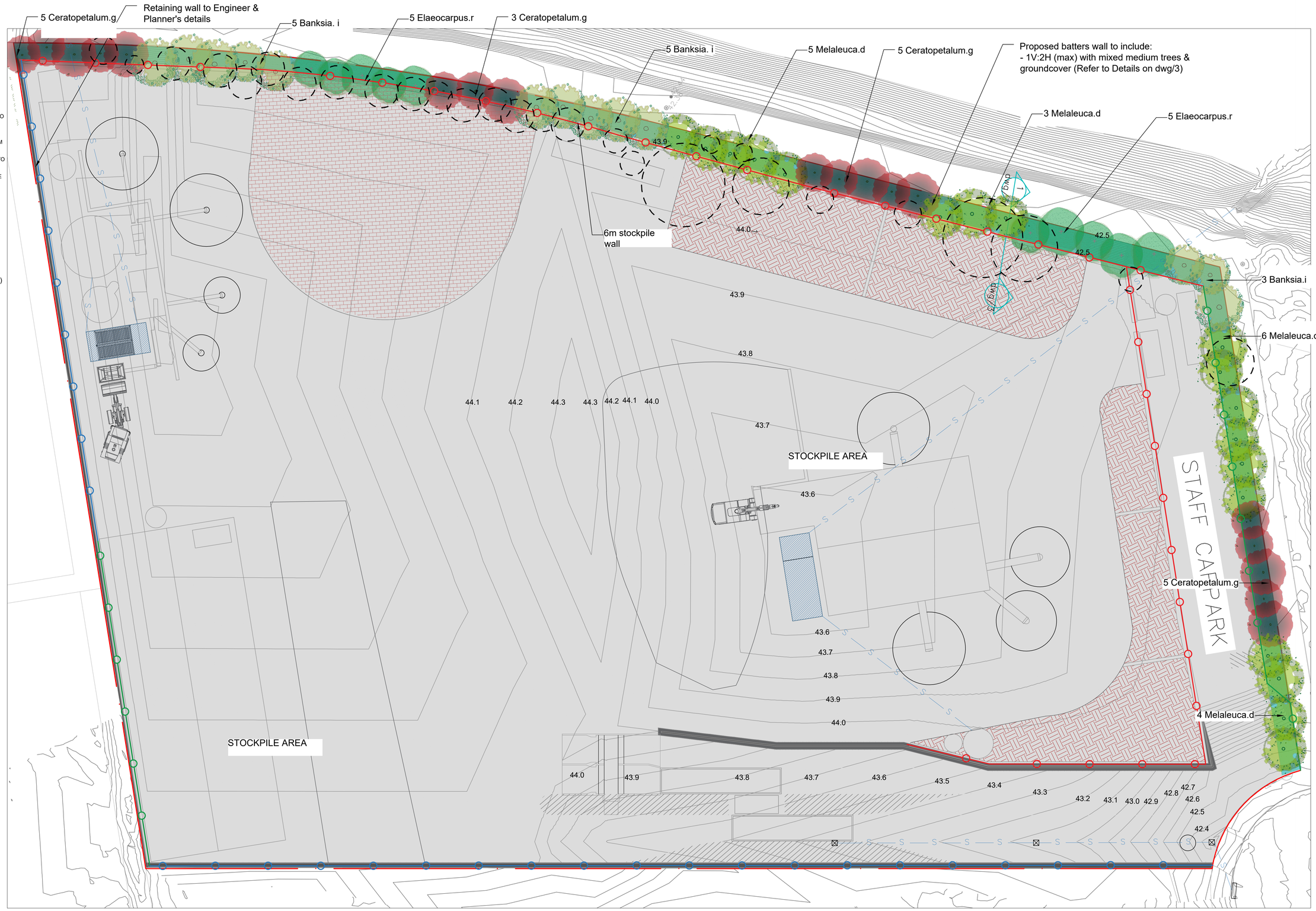
Pot size tube stock
Mature H x S: < .6m
Qty Required: 6/m2 **(TOTAL 868.9m2)**

THE FOLLOWING SHALL BE UNDERTAKEN TO ENSURE AVAILABLE MATERIAL FOR THE PLANTING PREPARATION OF THE FINAL REHABILITATED SITE:
- 300MM DEPTH TOPSOIL TO BE EXCAVATED AND STOCKPILED (WITHIN STAGE 5 EXCAVATION ZONE)
- SUBSOIL TO BE TO BE EXCAVATED AND STOCKPILED (WITHIN STAGE 5 EXCAVATION ZONE)

THIS MATERIAL SHALL BE EXCAVATED AND STOCKPILED PRIOR TO COMMENCEMENT OF THE EXTRACTION WORKS FOR EACH STAGE, AND SHALL BE STORED SEPARATELY TO STOCKPILED MATERIAL FOR BUND WALL CONSTRUCTION.

STOCKPILED MATERIAL SHALL BE USED PROGRESSIVELY AS AREAS OF THE SITE ARE EXCAVATED AND FINISHED IN THEIR FINAL FORM AND READY FOR REHABILITATION PLANTING WORKS.

STOCKPILES MUST BE CLEARLY LABELLED AND IDENTIFIABLE TO ENSURE CORRECT FUTURE USE. APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES SHALL BE UNDERTAKEN TO ENSURE NO MIXING, LEACHING, RUN-OFF OR CONTAMINATION OF STOCKPILES.



Bar Scale
0 1 2 3 4 5m 10m

GENERAL NOTE:

Figured dimensions take preference to scale readings. Verify all dimensions on site. PDF'd plans may vary slightly in Scale for that indicated on plans. Report any discrepancies to the Landscape Architect before proceeding with the work.

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PLANNER
MARTENS & ASSOCIATES PTY LTD

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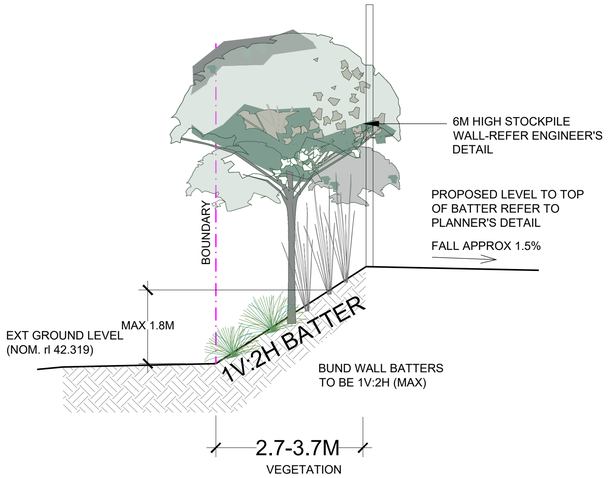
PROJECT:
PROPOSED LANDSCAPE UPGRADES TO RECYCLING FACILITY
7 MONTORE ROAD, MINTO

TITLE:
LANDSCAPE PLAN

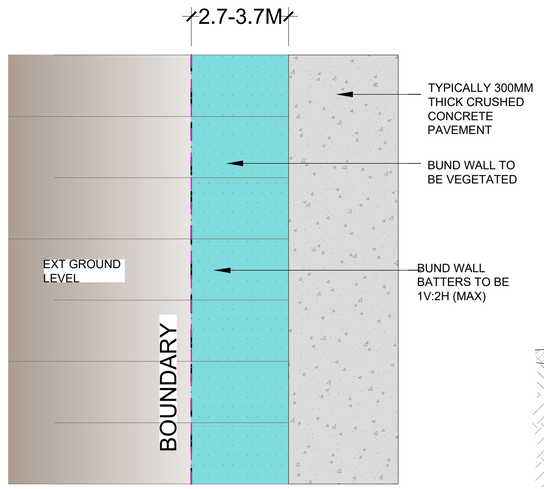
STATUS:
DEVELOPMENT APPLICATION

SCALE: 1:300 @ A1
DATE: APRIL 2020
DWG.No: LPDA 17 - 186 / 2
ISSUE: F
DRAWN: E.W/K.Z
CHECKED: R.F



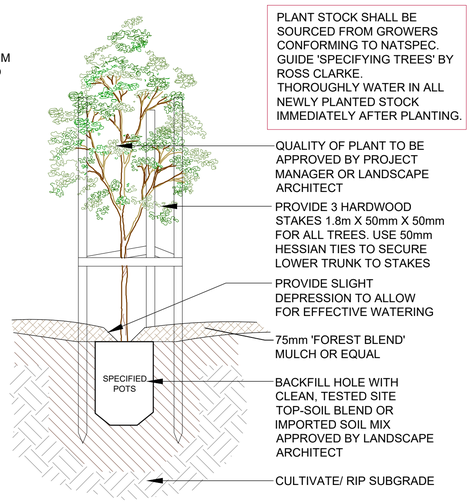
DETAIL 01: BUND WALL SECTION

N.T.S



DETAIL 02: BUND WALL PLAN

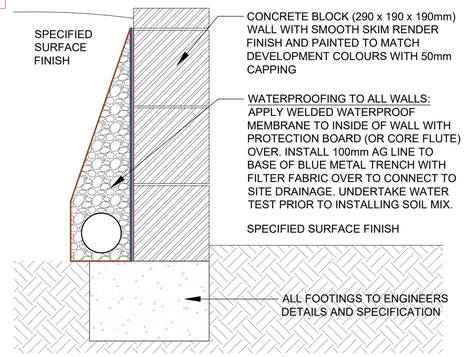
SCALE 1:50



DETAIL 5: TREE PLANTING

SCALE: 1:10

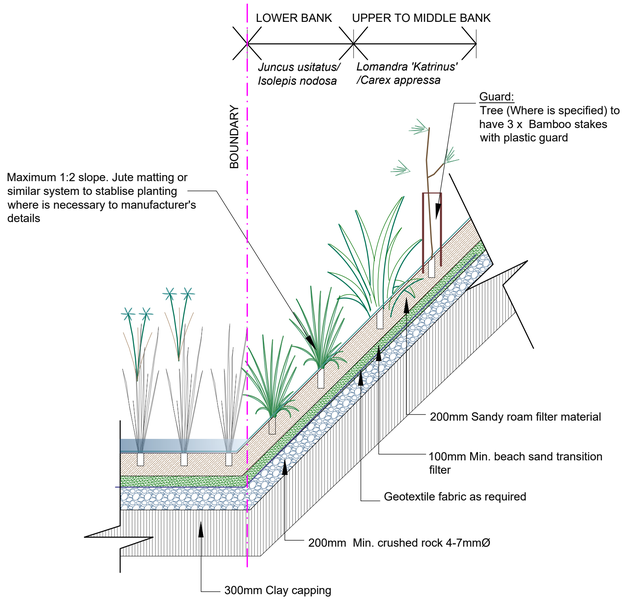
NOTE: TYPICAL DETAIL ONLY. ALL WALLS WHICH FORM PART OF DRAINAGE WORKS MUST BE BUILT AS DETAILED BY THE HYDRAULIC ENGINEER. ALL WALLS EXCEEDING 0.6m HEIGHT SHALL BE DETAILED BY A QUALIFIED ENGINEER. INSTALL WALL TO SUIT SITE LEVELS AND TO MANUFACTURE'S SPECIFICATION.



DETAIL 6: RETAINING WALL

N.T.S

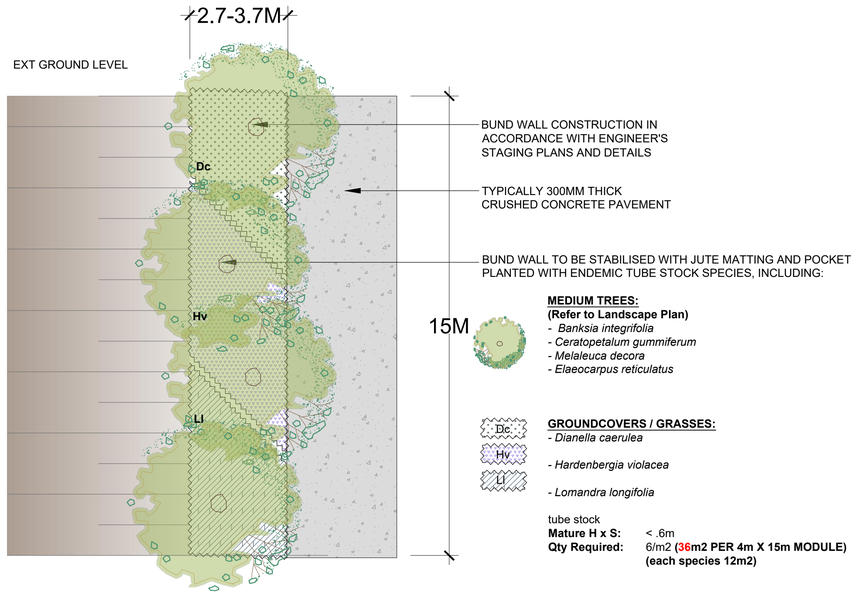
EMBANKMENT PLANTING ZONES



POCKET PLANT THROUGH JUTE MATTING:
1) GRADE AND CLEAR BANK
2) PROVIDE 150MM OF SOIL CONDITIONER TO BANK & CULTIVATE INTO TOP 300MM SOIL
3) LAY & PIN JUTE AS PER MAN'S SPEC
4) POCKET PLANT POTS IN BANK THROUGH JUTE.

DETAIL 03: PLANTING FOR BUFFER SETBACKS AND EMBANKMENTS WITH 1V:2H GRADE

N.T.S



DETAIL 04: PERMANENT BUND WALL PLANTING PLAN

SCALE 1:100

Banksia integrifolia

Hardenbergia 'Meema'

Banksia spinulosa 'Birthday Candles'

Melaleuca decora

MAINTENANCE SCHEDULE

GENERAL
AFTER THE COMPLETION OF THE SPECIFIED REHABILITATION WORKS, VEGETATED AREAS SHALL BE SUBJECT TO A MINIMUM LANDSCAPE WORKS PERIOD OF **12 MONTHS**. DURING THIS TIME THE LANDSCAPE CONTRACTOR SHALL MAKE GOOD ALL DEFECTS WHICH MAY OCCUR FOR WHATEVER REASON.

CONSOLIDATION AND MAINTENANCE SHALL MEAN THE CARE AND MAINTENANCE OF ALL AREAS UNDERGOING REHABILITATION IN ACCORDANCE WITH THIS REPORT AND ASSOCIATED PLANS, ENSURING THAT A SATISFACTORY RESULT OCCURS FOR THESE AREAS WITH REGARDS TO GERMINATION AND ESTABLISHMENT.

THE MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS WHERE AND AS REQUIRED:
- WATERING ALL LANDSCAPED AREAS
- MONITORING GERMINATION, REPLACEMENT PLANTING AND RE-HYDROMULCHING
- WEED CONTROL
- MAKE GOOD AREAS OF SOIL SUBSIDENCE OR EROSION
- TOPPING UP OF MULCHED AREAS
- SPRAY / TREATMENT FOR INSECT AND DISEASE CONTROL
- MONITORING AND CONTROLLING RABBITS

WATERING
ALL AREAS WHICH HAVE BEEN HYDROMULCHED OR POCKET PLANTED SHALL BE WATERED IN THOROUGHLY FOLLOWING INITIAL WORKS, & SHALL BE WATERED A MINIMUM 3 TIMES PER WEEK DURING WINTER, AND 4 TIMES PER WEEK DURING SUMMER. WATERING SHALL BE DONE BY HAND, UTILIZING DAM WATER ON SITE. FREQUENCY OF WATERING MAY BE ADJUSTED BASED ON WHETHER CONDITIONS, WITH THE OBJECTIVE TO ENSURE THE MAXIMUM PERCENTAGE OF SUCCESSFUL ESTABLISHED PLANT STOCK.

MONITORING GERMINATION, REPLACEMENT PLANTING AND RE-HYDROMULCHING
AREAS UNDERGOING REHABILITATION SHALL BE CONTINUALLY MONITORED UNTIL WELL ESTABLISHED, WITH FAILURES BEING REPLACED IN LINE WITH THE REPORT AND LANDSCAPE SPECIFICATION, AND FAILED HYDROMULCHING RE-SPRAYED.

ALL REPLACEMENTS SHALL BE TO SPECIFICATION, AND OF A SIZE EQUIVALENT TO SIMILAR HEALTHY SPECIES SURROUNDING THE REJECTED PLANT, OR, AS IN THE CASE OF MATURE TREES, TO THE ORIGINAL SIZE AND QUALITY, AS A MINIMUM.

WEED CONTROL
WEED REMOVAL SHALL BE CONDUCTED REGULARLY, WITH HAND REMOVE ALL TOP GROWTH ROOTS, RHIZOMES AND STOLONS OF UNWANTED VEGETATION. THE REGULAR CONTROL OF ALL WEEDS IS ESSENTIAL. THE APPLICATIONS OF PRE-EMERGENT SPRAYS ARE ACCEPTABLE WITH APPROVED CHEMICALS APPLIED IN STRICT ACCORDANCE WITH MANUFACTURER DIRECTIONS. ANY SPRAYING SHALL BE DONE DURING CALM DAYS, TO AVOID WINDS BLOWING HERBICIDES ONTO NATIVE PLANTING.

INSECT, DISEASE CONTROL AND RABBIT CONTROL
THE LANDSCAPE CONTRACTOR SHALL BECOME FAMILIAR WITH THE HEALTHY APPEARANCE OF THE PLANT MATERIAL AND CONSTANTLY MONITOR IT FOR DAMAGE OR PEST INFESTATIONS. WHEN EITHER OF THESE BECOME EVIDENT THE CONTRACTOR SHALL IMMEDIATELY APPLY THE NECESSARY CONTROL MEASURES.

IF NEWLY PLANTED AREAS ARE BECOMING SUBJECT TO RABBIT ATTACK, IT MAY BE NECESSARY TO INSTALL APPROVED RABBIT-PROOF FENCING TO THE AREA OF REHABILITATION, TO ENSURE MINIMAL DAMAGE IS DONE.

Australian Institute of Landscape Architects
AILA Associate

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SPECIFICATION & DETAILS

STATUS:
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SCALE:
1:300 @ A1

DATE:
FEBRUARY 2017

DWG.No:
LPDA 17 - 186 / 3

ISSUE:
D

DRAWN:
E.W

CHECKED:
R.F