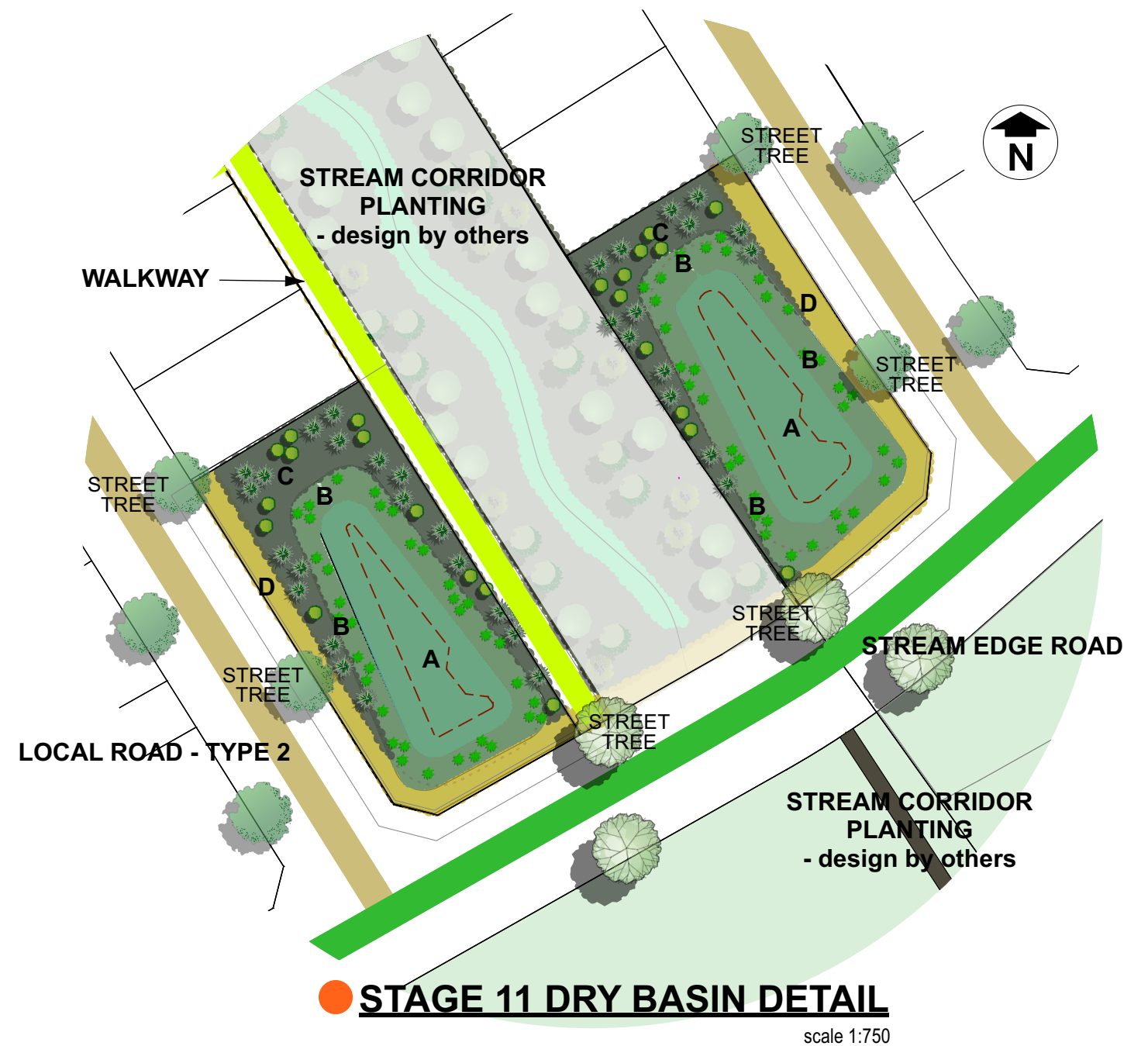
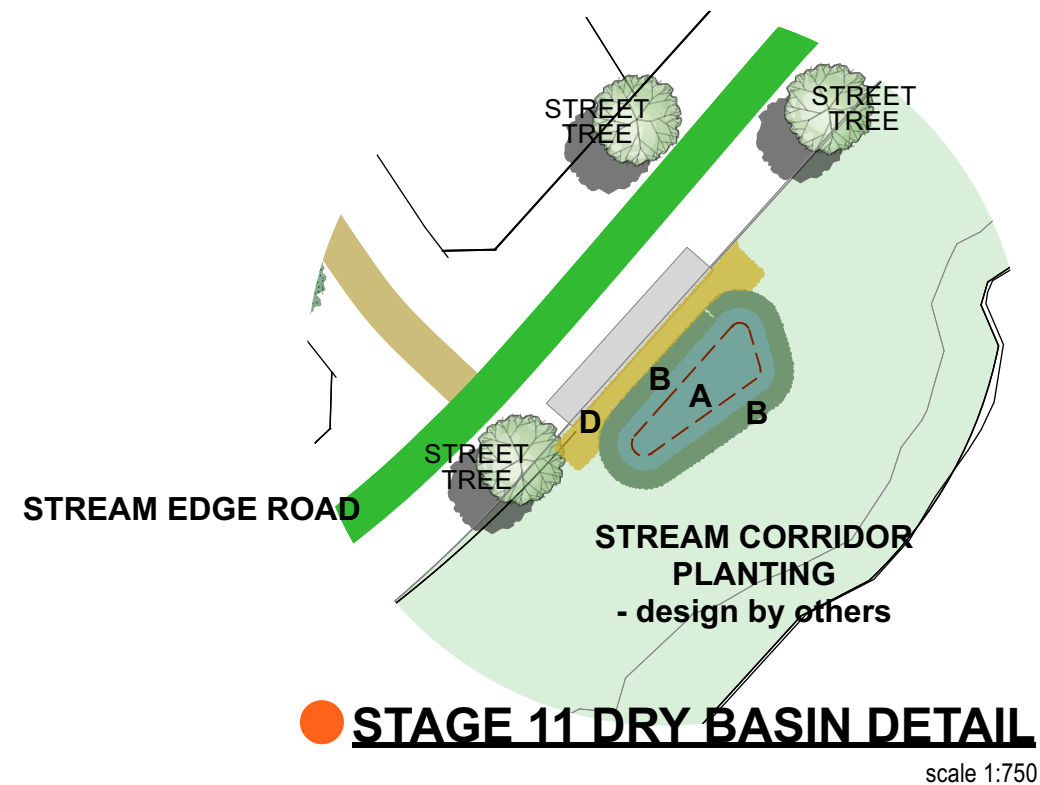
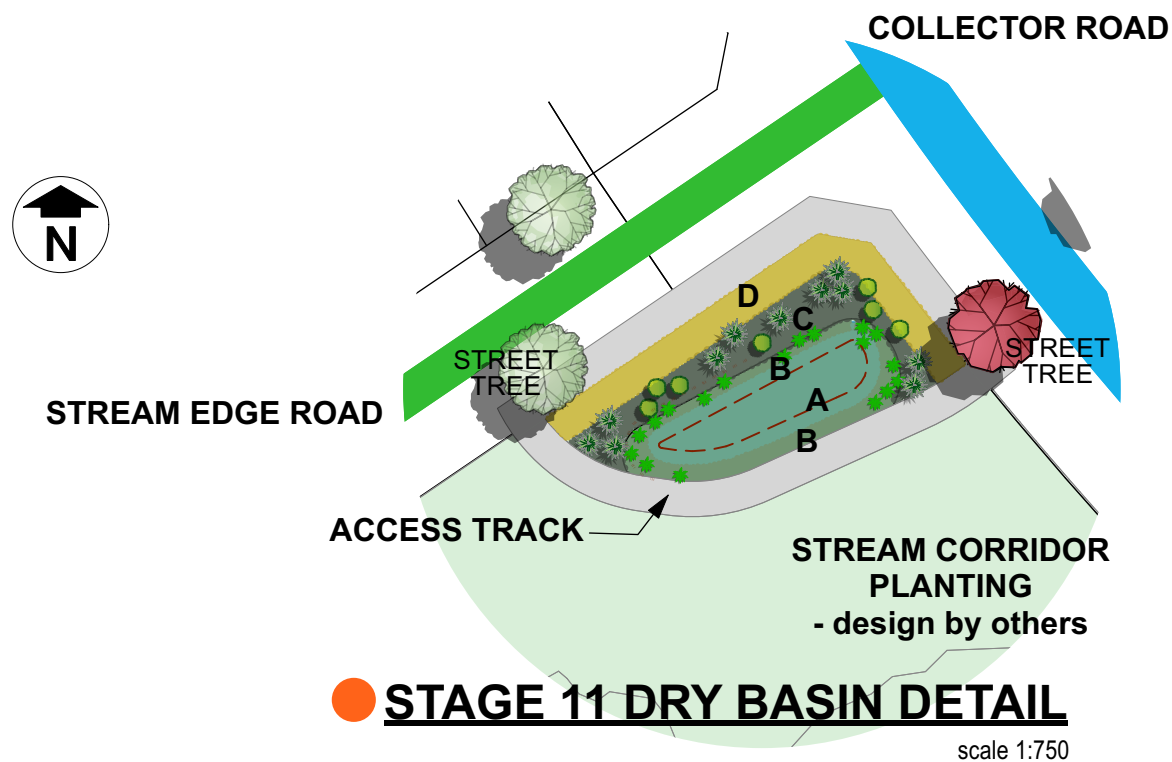
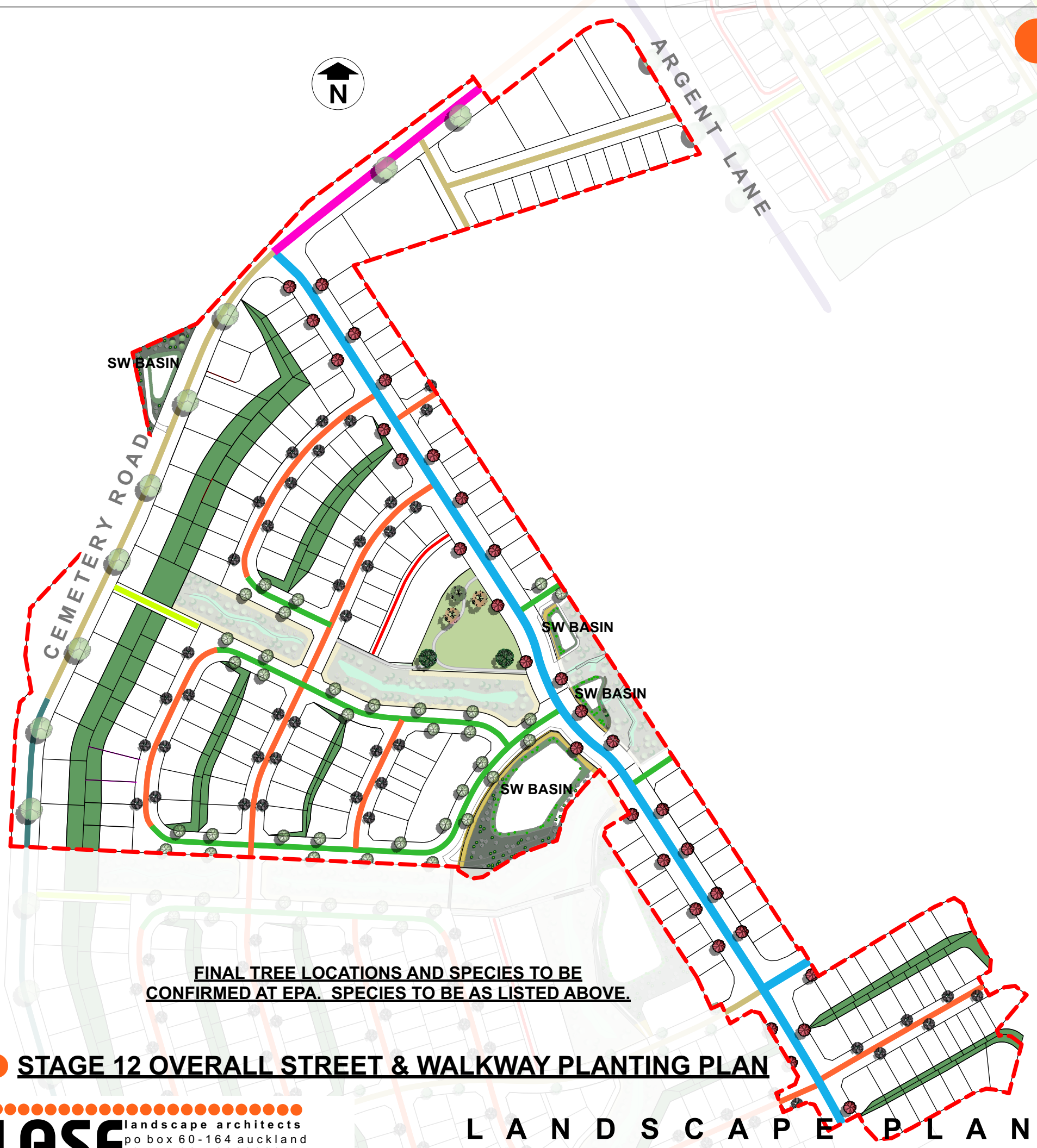




DRY BASIN PLANTING:

- A - WETLAND SPECIES including Apodasmia, Juncus & Carex
- B - BASIN MARGIN SPECIES including Carex species
- C - MIXED NATIVE REVEGETATION SPECIES including Cordyline, Coprosma, Toetoe, Phormium & Hoheria
- D - AMENITY EDGE SPECIES including Lomandra & Coprosma



**FINAL TREE LOCATIONS AND SPECIES TO BE
CONFIRMED AT EPA. SPECIES TO BE AS LISTED ABOVE.**

STAGE 12 OVERALL STREET & WALKWAY PLANTING PLAN

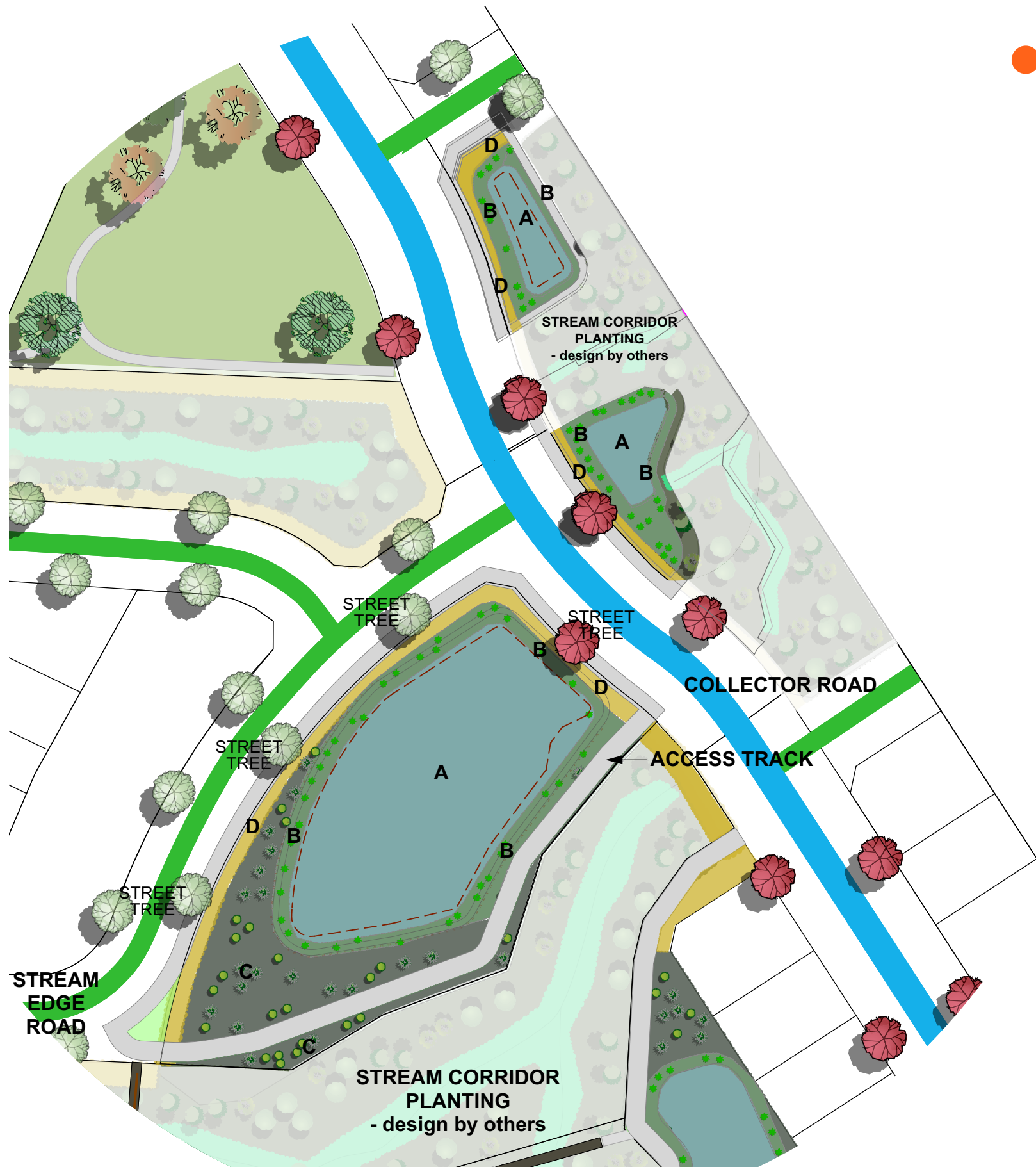
LASF landscape architects
po box 60-164 auckland
phone 027-2902803 n z
email:simon@lasf.co.nz

L A N D S C A P E P L A N
MILLDALE STAGE 12 - MILLDALE

STREET TREE PLANTING TYPOLOGIES

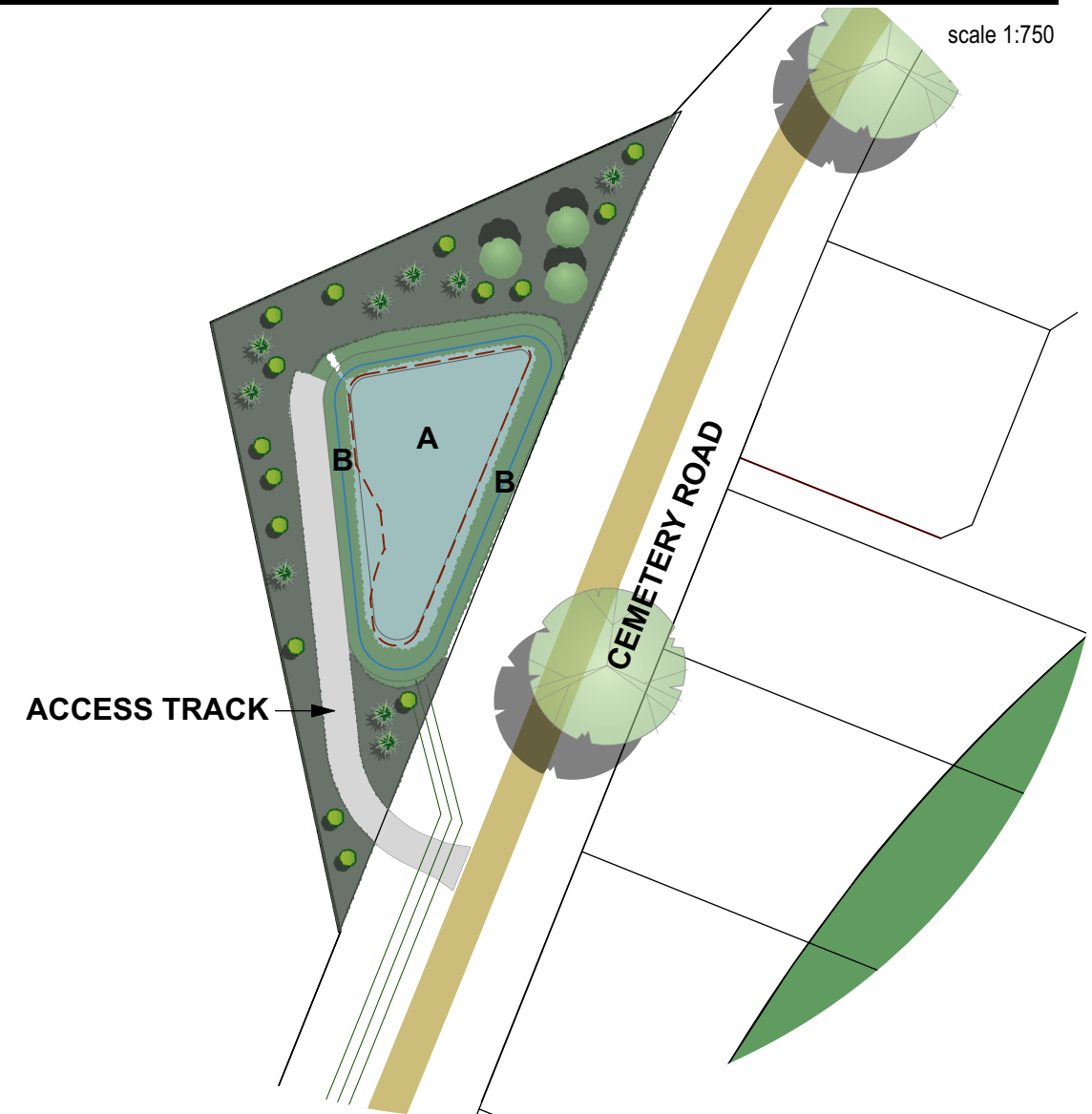
- ARGENT LANE - ARTERIAL ROAD**
Liriodendron tulipifer proposed for Agent Lane
- CEMETERY ROAD LINK (COLLECTOR ROAD)**
Liquidamber styraciflua 'Worplesdon' - Sweet Gum (min. PB 95 grade)
- CEMETERY ROAD UPGRADE (LOCAL ROAD)**
Liquidamber styraciflua 'Worplesdon' - Sweet Gum (min. PB 95 grade)
- COLLECTOR ROAD / LYSNAR ROAD SPECIMEN TREE SPECIES:**
Liriodendron tulipifera - Tulip Tree (min. PB 95 grade)
Ginkgo 'Saratoga' - Maidenhair Tree (min. PB 95 grade)
Liquidamber styraciflua 'Worplesdon' - Sweet Gum (min. PB 95 grade)
- STREAM ROAD SPECIMEN TREE SPECIES:**
Alectryon excelsus - Titoki (min. PB 95 grade)
- LOCAL ROAD TYPE 1 SPECIMEN TREE SPECIES:**
Fraxinus griffithii - Evergreen Ash (min. PB 95 grade)
Prunus 'Kanzan' - Flowering Cherry (min. PB 95 grade)
Sophora tetraptera - Kowhai Tree (min. PB 95 grade)
- LOCAL ROAD TYPE 2 SPECIMEN TREE SPECIES:**
Michelia gracipes (min. PB 95 grade)
Lagerstromia De hubert Puard - Crepe Myrtle (min. PB 95 grade)
Cercis 'Forst Pansy' - Judus Tree (min. PB 95 grade)
- JOAL SPECIMEN TREE SPECIES:**
Michelia gracipes (min. PB 95 grade)
Prunus sp - Flowering Cherry (min. PB 95 grade)
- WALKWAY SPECIMEN TREE SPECIES:**
Prunus 'Pink Cloud' - Flowering Cherry (min. PB 95 grade)
Walkway to be finished in grass except where steps are located and the adjoining slope is too steep to mow.
- WAINUI ROAD**
Podocarpus totara proposed for Wainui

ISSUE	DATE 31.7.25	REVISION 2	PROJECT #
PROJECT	MILLDALE STAGE 12 - LANDSCAPE		FHMD
CLIENT	FHLD	DATE # 31.7.25	DWG #
DWG	LANDSCAPE PLAN STG 12 - STREET TREES	SCALE @ A3 1:3000	009
		DRAWN SJF	REVISION 2
		CHKD MS	



● **STAGE 12 CEMETERY ROAD DRY BASIN DETAIL**

scale 1:750



DRY BASIN PLANTING:

- A - WETLAND SPECIES including Apodasmia, Juncus & Carex
- B - BASIN MARGIN SPECIES including Carex species
- C - MIXED NATIVE REVEGETATION SPECIES including Cordyline, Coprosma, Toetoe, Phormium & Hoheria
- D - AMENITY EDGE SPECIES including Lomandra & Coprosma

● **STAGE 12 DRY BASIN DETAIL**

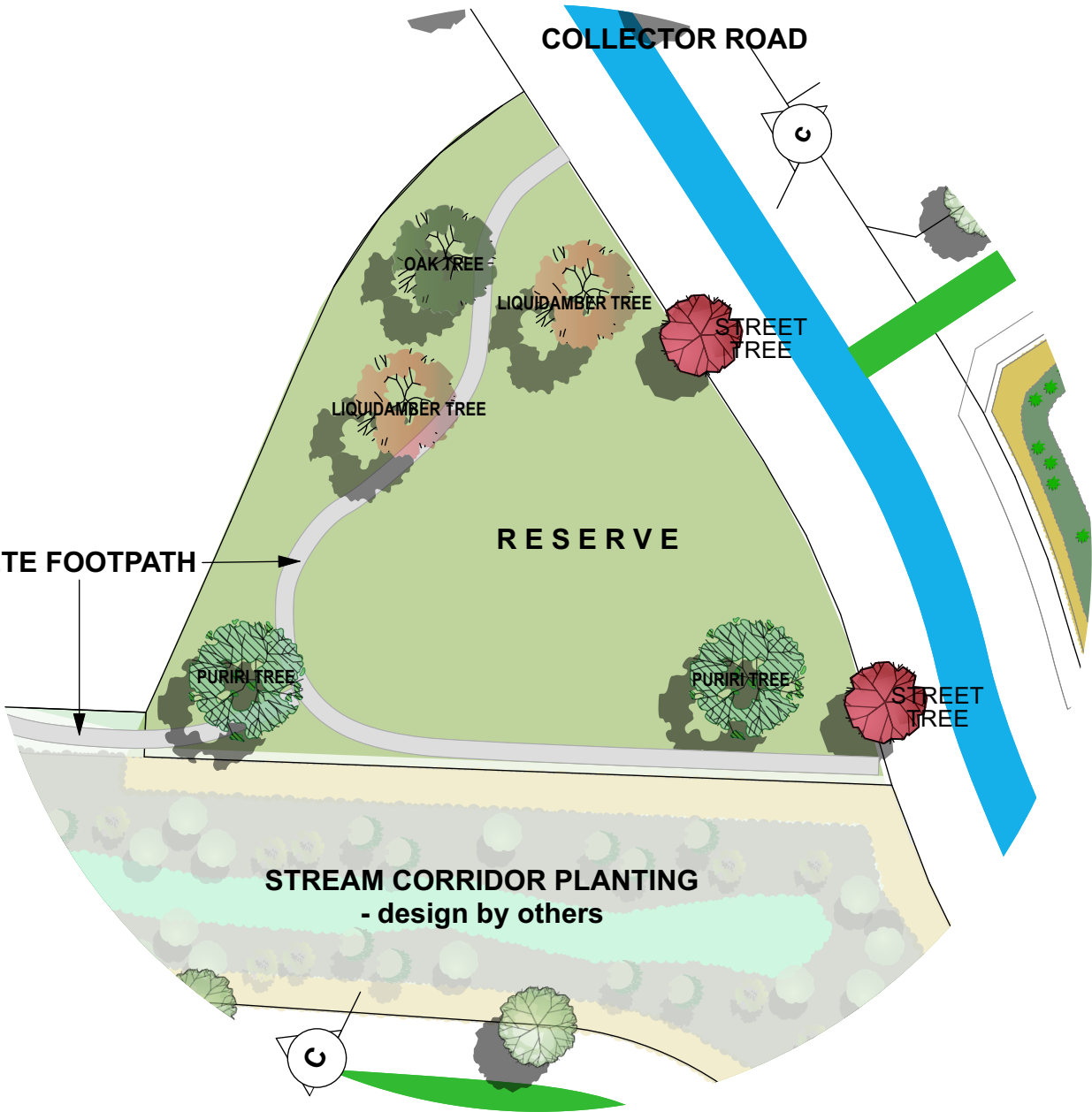
scale 1:1000

PLANT SCHEDULE - STAGE 12 RESERVE

BOTANICAL NAME:	COMMON NAME:	SPACING:	GRADE:	HEIGHT AT PLANTING:	HEIGHT AT MATURITY:	EST QUANTITY:
Vitex lucens	Puriri	where shown	160ltr	3.0m	7.0m+	2
Quercus coccinea	Oak Tree	where shown	160ltr	3.0m	7.0m+	1
Liquidamber styraciflua	Sweet Gum	where shown	160ltr	3.0m	7.0m+	2

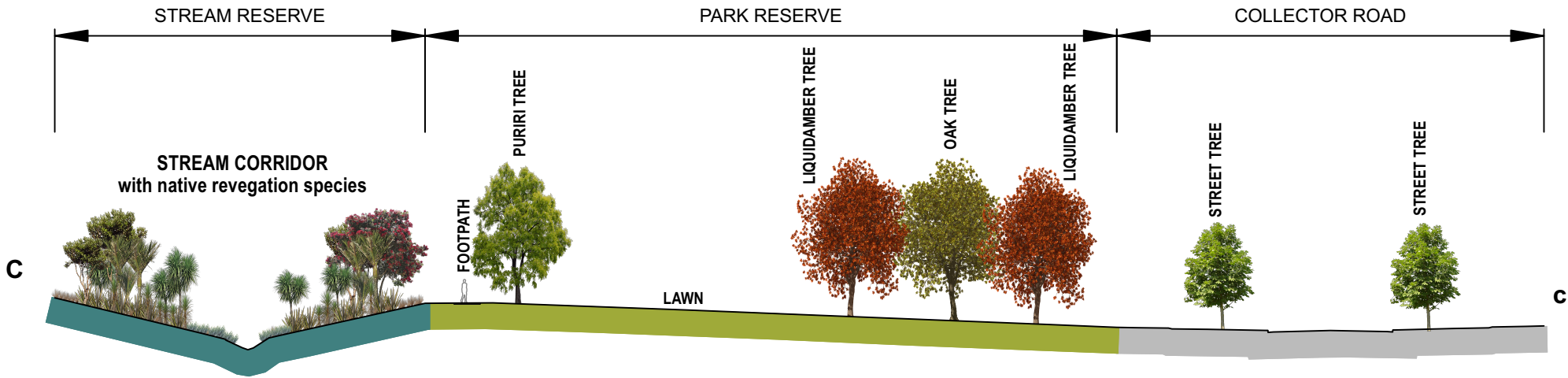
RESERVE TREE SPECIES:

Vitex lucens - Puriri - Grade 160ltr
Liquidamber sp. - Sweet Gum Grade 160ltr
Quercus sp. - Oak Tree - Grade 160ltr



STAGE 12 RESERVE DETAIL

scale 1:750



INDICATIVE CROSS-SECTION C-c

scale 1:450

ISSUE	DATE	31.7.25	REVISION	2	PROJECT #	FHMD
PROJECT	MILLDALE STAGE 12 - LANDSCAPE				DWG #	011
CLIENT	FHLD				DATE #	31.7.25
DWG	LANDSCAPE PLAN STG 12 - RESERVE				SCALE @ A3	
					DRAWN	SJF
					CHKD	MS
					REVISION	2



STREET TREE PLANTING TYPOLOGIES

ARGENT LANE - ARTERIAL ROAD

Liriodendron tulipifer proposed for Argent Lane

CEMETERY ROAD LINK (COLLECTOR ROAD)

Liquidamber styraciflua 'Worplesdon' - Sweet Gum (min. PB 95 grade)

CEMETERY ROAD UPGRADE (LOCAL ROAD)

Liquidamber styraciflua 'Worplesdon' - Sweet Gum (min. PB 95 grade)

COLLECTOR ROAD / LYSNAR ROAD SPECIMEN TREE SPECIES:

Liriodendron tulipifera - Tulip Tree (min. PB 95 grade)

Ginkgo 'Saratoga' - Maidenhair Tree (min. PB 95 grade)

Liquidamber styraciflua 'Worplesdon' - Sweet Gum (min. PB 95 grade)

STREAM ROAD SPECIMEN TREE SPECIES:

Alectryon excelsus - Titoki (min. PB 95 grade)

LOCAL ROAD TYPE 1 SPECIMEN TREE SPECIES:

Fraxinus griffithii - Evergreen Ash (min. PB 95 grade)

Prunus 'Kanzan' - Flowering Cherry (min. PB 95 grade)

Sophora tetraptera - Kowhai Tree (min. PB 95 grade)

LOCAL ROAD TYPE 2 SPECIMEN TREE SPECIES:

Michelia gracipes (min. PB 95 grade)

Lagerstromia De hubert Puard - Crepe Myrtle (min. PB 95 grade)

Cercis 'Forst Pansy' - Judus Tree (min. PB 95 grade)

JOAL SPECIMEN TREE SPECIES:

Michelia gracipes (min. PB 95 grade)

Prunus sp - Flowering Cherry (min. PB 95 grade)

WALKWAY SPECIMEN TREE SPECIES:

Prunus 'Pink Cloud' - Flowering Cherry (min. PB 95 grade)

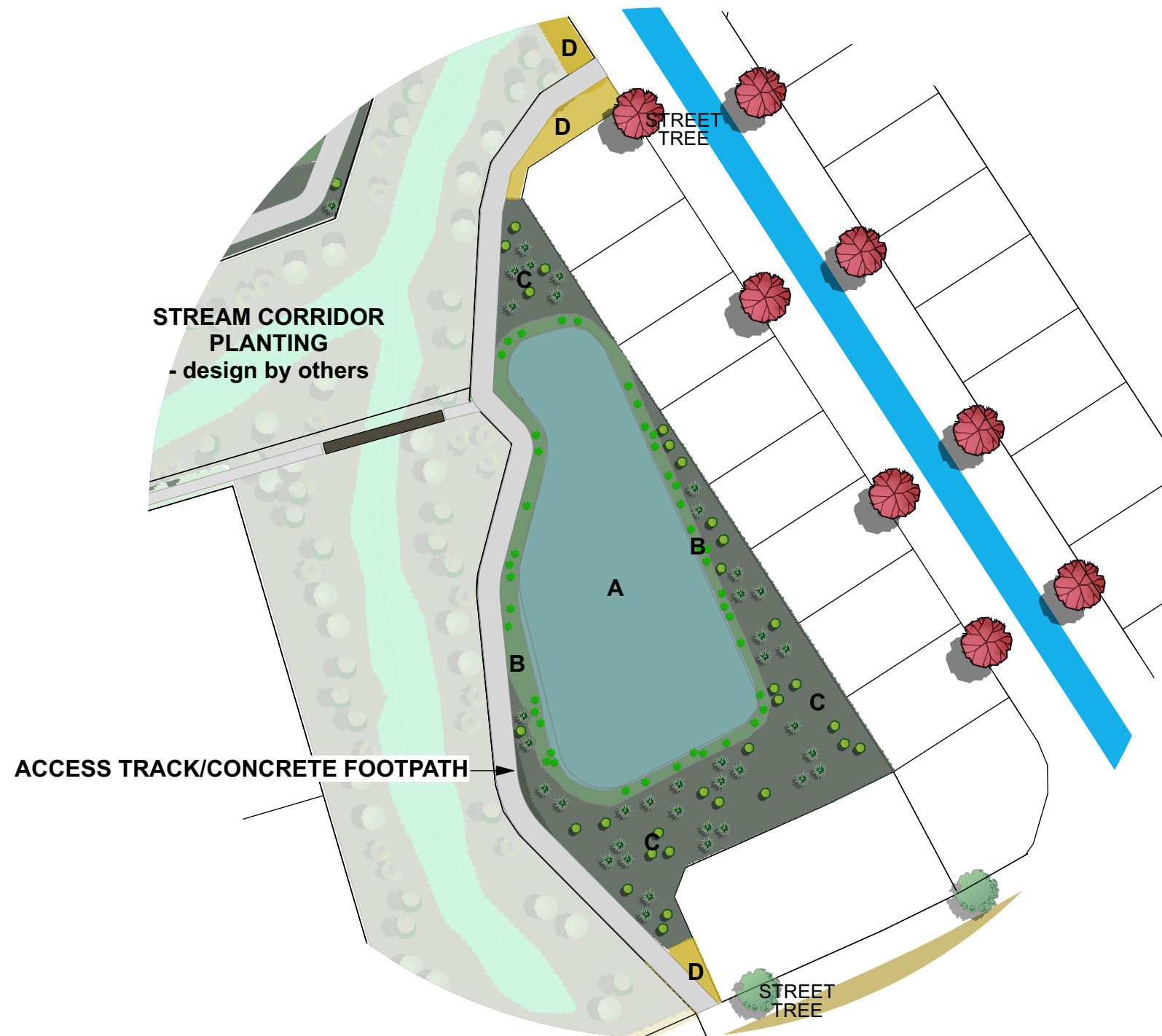
Walkway to be finished in grass except where steps are located and the adjoining slope is too steep to mow.

WAINUI ROAD

Podocarpus totara proposed for Wainui

FINAL TREE LOCATIONS AND SPECIES TO BE
CONFIRMED AT EPA. SPECIES TO BE AS LISTED ABOVE.

STAGE 13 OVERALL STREET & WALKWAY PLANTING PLAN



DRY BASIN PLANTING:

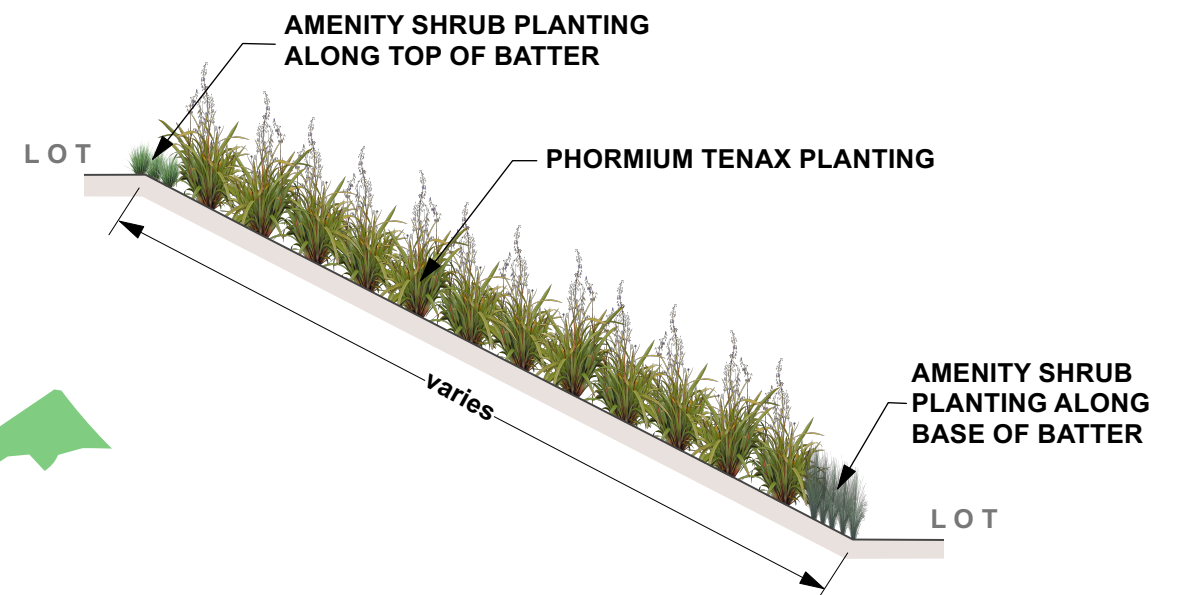
- A - WETLAND SPECIES including Apodasmia, Juncus & Carex
- B - BASIN MARGIN SPECIES including Carex species
- C - MIXED NATIVE REVEGETATION SPECIES including Cordyline, Coprosma, Toetoe, Phormium & Hoheria
- D - AMENITY EDGE SPECIES including Lomandra & Coprosma

● STAGE 13 DRY BASIN DETAIL

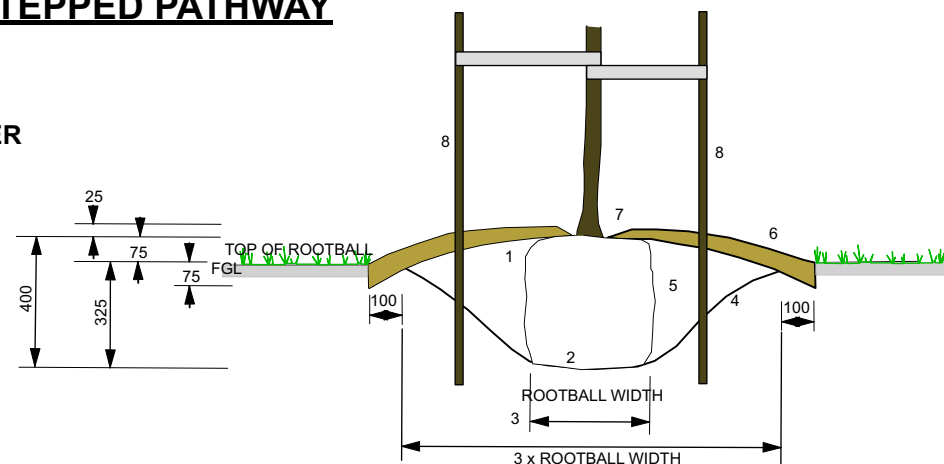
scale 1:1000



PHOTO - PROPOSED WALKWAY TREATMENT WHERE A BATTER REQUIRES A STEPPED PATHWAY



DETAIL - TYPICAL EARTH BATTER SECTION
nts



DETAIL TYPICAL STREET TREE PLANTING DETAIL
nts

TYPICAL TREE PLANTING DETAIL

1. Rootball sits min. of 50mm above FGL.
2. Rootball rest on solid soil.
3. Planting hole is a min. of 3x Rootball width.
4. Planting hole is saucer shaped.
5. Backfill media finishes flush with top of rootball.
6. Mulch is cut-in min. of 75mm to FGL.
7. Mulch tapers to max. 30mm over rootball and stops 50mm min. from trunk flare.
8. 2 x 40mm x 40mm UT Pine stakes secured in the ground in an upright and firm position. Two hessian ties per tree secured to stake with staples to ensure the tie is firm and secure at all times.

DETAIL - OVERALL BATTER PLAN

scale 1:6000



LIQUIDAMBER 'WORPLESDON'



LIRIODENDRON TULIPIFERA



GINKGO 'SARATOGA'



POHUTUKAWA 'MAORI PRINCESS'



MICHELIA GRACIPES



ALECTRYON EXCELSUS



FRAXINUS GRIFFITHII



PRUNUS - FLOWERING CHERRY



CERCIS CANADENSIS



LAGERSTROEMIA



SOPHORA MICROPHYLLA

● **STREET TREE IMAGES**

ISSUE	DATE 31.7.25	REVISION 2	PROJECT #
PROJECT	MILLDALE STAGE 10, 11, 12 & 13 - LANDSCAPE		FHMD
CLIENT	FHLD	DATE # 31.7.25	DWG #
		SCALE @ A3	015
DWG	LANDSCAPE PLAN TREE IMAGES		REVISION 2
		DRAWN SJF	
		CHKD MS	

MILLDALE FAST TRACK STAGES 10 -13

LANDSCAPE MAINTENANCE

Streetscape, Reserves & SW Dry Basin Implementation & Maintenance Plans.

As part of the conditions of consent streetscape, reserve and stormwater dry basin Implementation and Maintenance Plans/Programme will be prepared to ensure the correct horticultural procedures and practices are completed to achieve the required outcomes for the planting associated with the streetscape, small recreation reserves and storm water dry basin devices.

These plans will include:

Introduction - A brief description of the plan (report) objectives.

Site Description - A brief description of the proposed planting areas in context of the overall development.

Design Theme - An outline of the design theme for the proposed planting

Design Areas - Identification of the different planting areas and their proposed treatment.

Auckland Council - Identification and recognition of Auckland Council consent conditions and Code of Practices for landscape works including pest control.

Pre-planting site assessment - Identify critical issues such as eco-sourcing plant & trees, site and soil characteristics, topography, exposure and aspects of planting areas, and the treatment of existing vegetation intended to be retained.

Planting Plan Assessment - Presentation of the proposed landscape plans.

Site Preparation - A detailed specification including weed control, soil preparation, plant and tree layout on site, planting times and methodology, stakes & ties, fertiliser application and watering, mulching, NZPPI requirements and completion of the planting works.

Monitoring - Identification of responsibility to monitor the completed works and take remedial actions as required.

Maintenance - Provide a comprehensive list of maintenance requirements including irrigation/watering, weed control, insect and disease control and treatment, replenish mulch levels and repair of sinkage, collection and removal of inorganic and organic rubbish, plant replacement to maintain the correct density, control of animals and pests, maintenance of lawn areas.

Frequency - Identify the frequency of the maintenance and the expectation of the outcomes on a monthly basis and the maintenance period.

MAINTENANCE PLANS