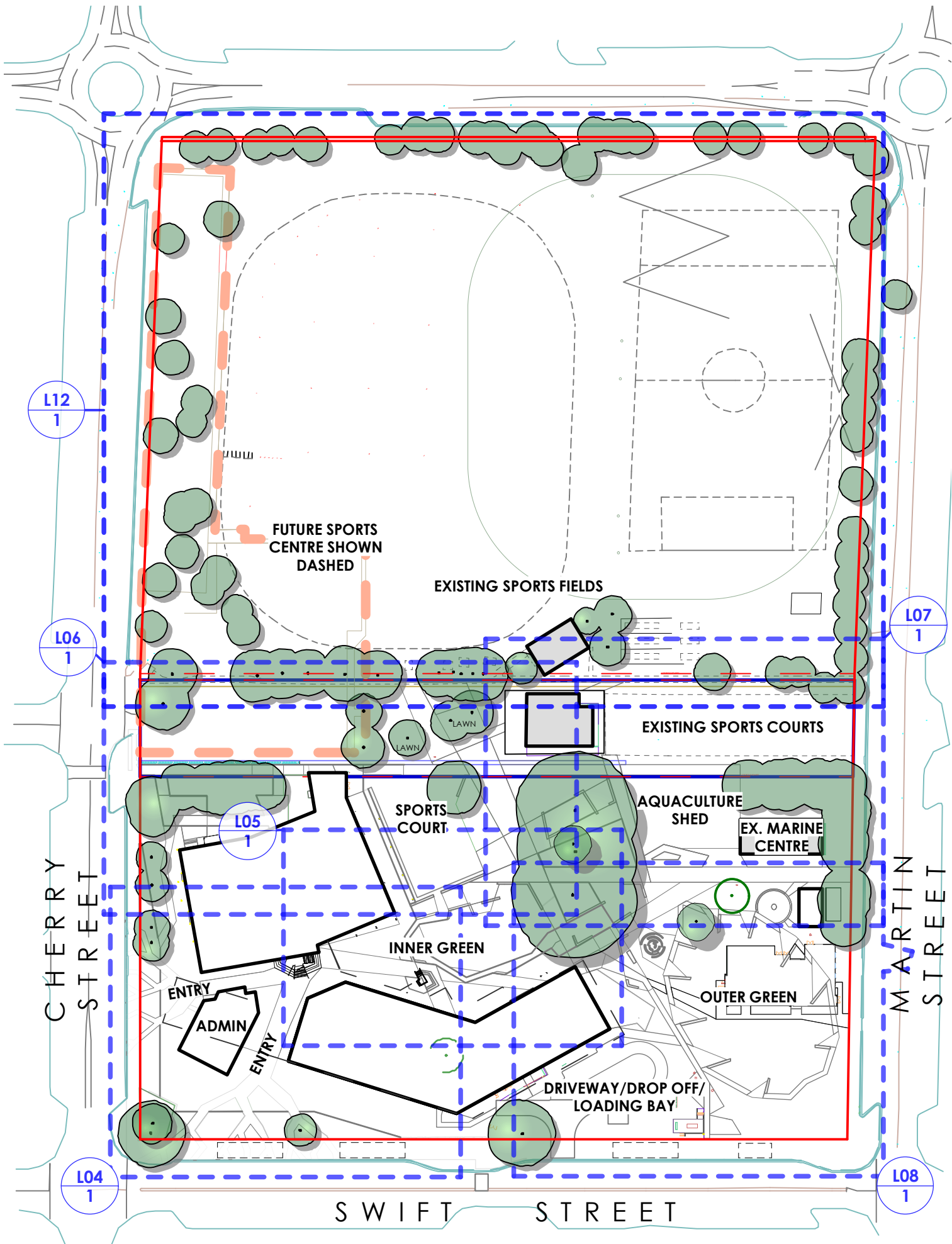


landscape development application

A New High School for Ballina



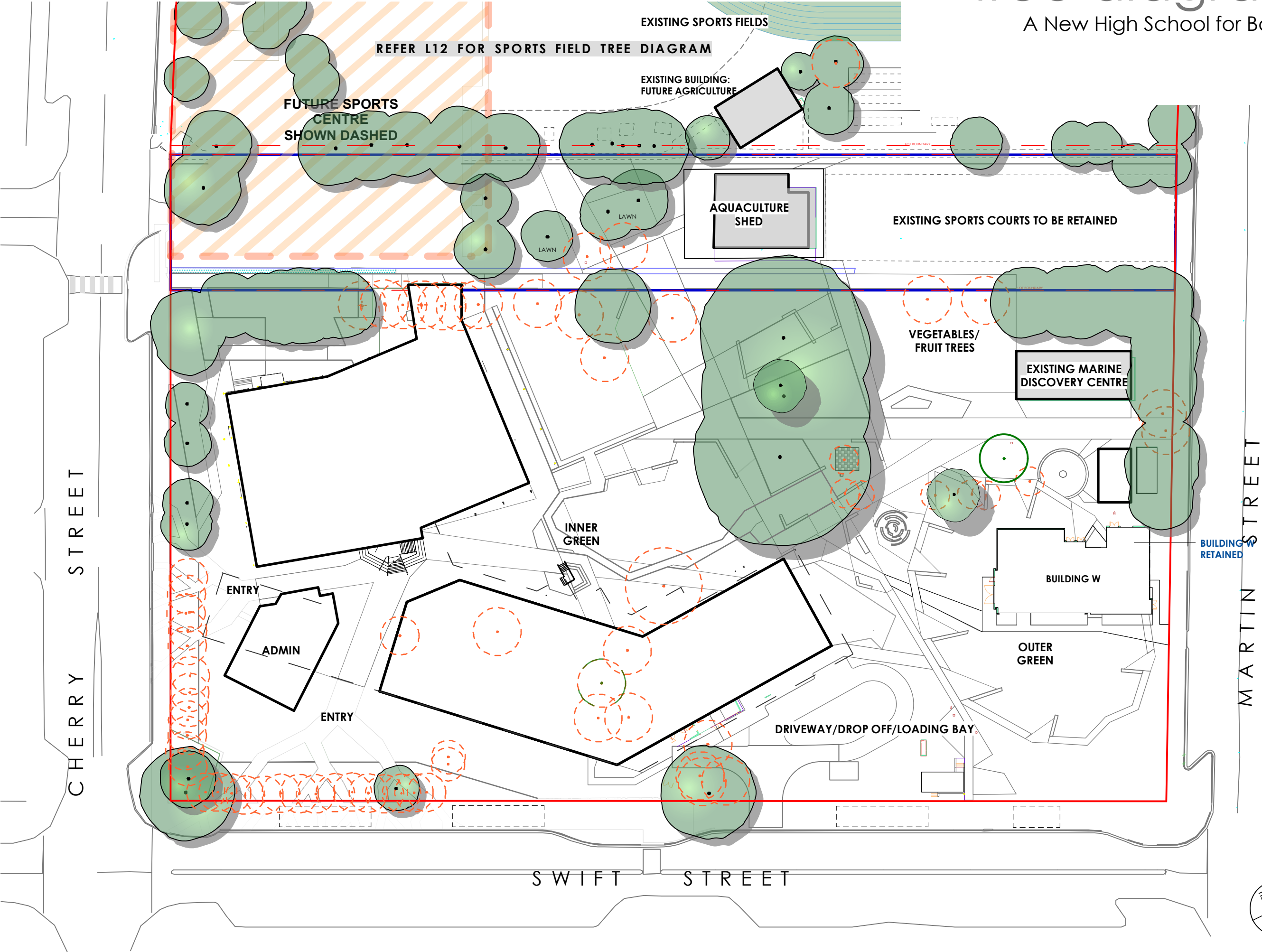
sheet index

DRAWING NUMBER	SHEET NAME	REV. No.	REV. DATE
10806.5 DA L00	cover page	G	24/9/18
10806.5 DA L01	tree diagram	F	24/9/18
10806.5 DA L02	landscape concept	F	24/9/18
10806.5 DA L03	site plan	G	24/9/18
10806.5 DA L04	main entrance	G	24/9/18
10806.5 DA L05	inner green courtyard	G	24/9/18
10806.5 DA L06	active recreation	G	24/9/18
10806.5 DA L07	primary industry/conservation	G	24/9/18
10806.5 DA L08	outer green	G	24/9/18
10806.5 DA L09	percedents	D	22/5/17
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10806.5 DA L11	planting palette - internal courtyards & playgrou	D	22/5/17
10806.5 DA L12	sports field tree diagram	A	24/9/18

tree diagram

A New High School for Ballina

L01



LEGEND

- SITE BOUNDARY
- EXISTING BUILDINGS TO BE RETAINED
- PROPOSED BUILDING OUTLINE
- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED
- 45 PROPOSED NEW TREE PLANTINGS TO SPORTS FIELDS

F	24/9/18	Building W & Field Layout
E	30/5/17	show relocated ex. tree
D	22/5/17	DA Revisions
C	19/9/16	DA Issue
B	12/8/16	prelim for client review
A	1/8/16	prelim. layout

PROJECT:
A New High School for Ballina

SITE:
**37 - 49 Swift Street
Ballina NSW 2478**

CLIENT:
NSW Department of education

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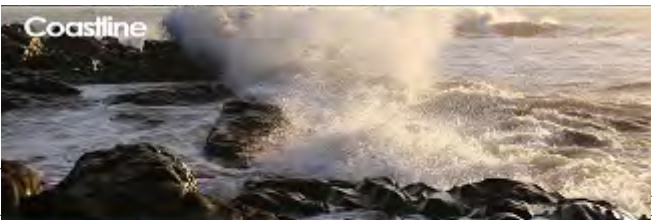
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JOB NUMBER: PHASE: DWG No: REV: **10806.5 DA L01 F**

landscape concept

L02

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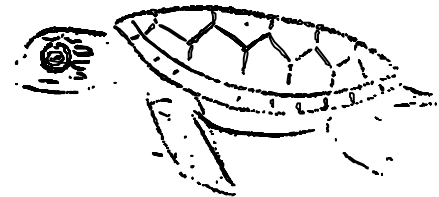
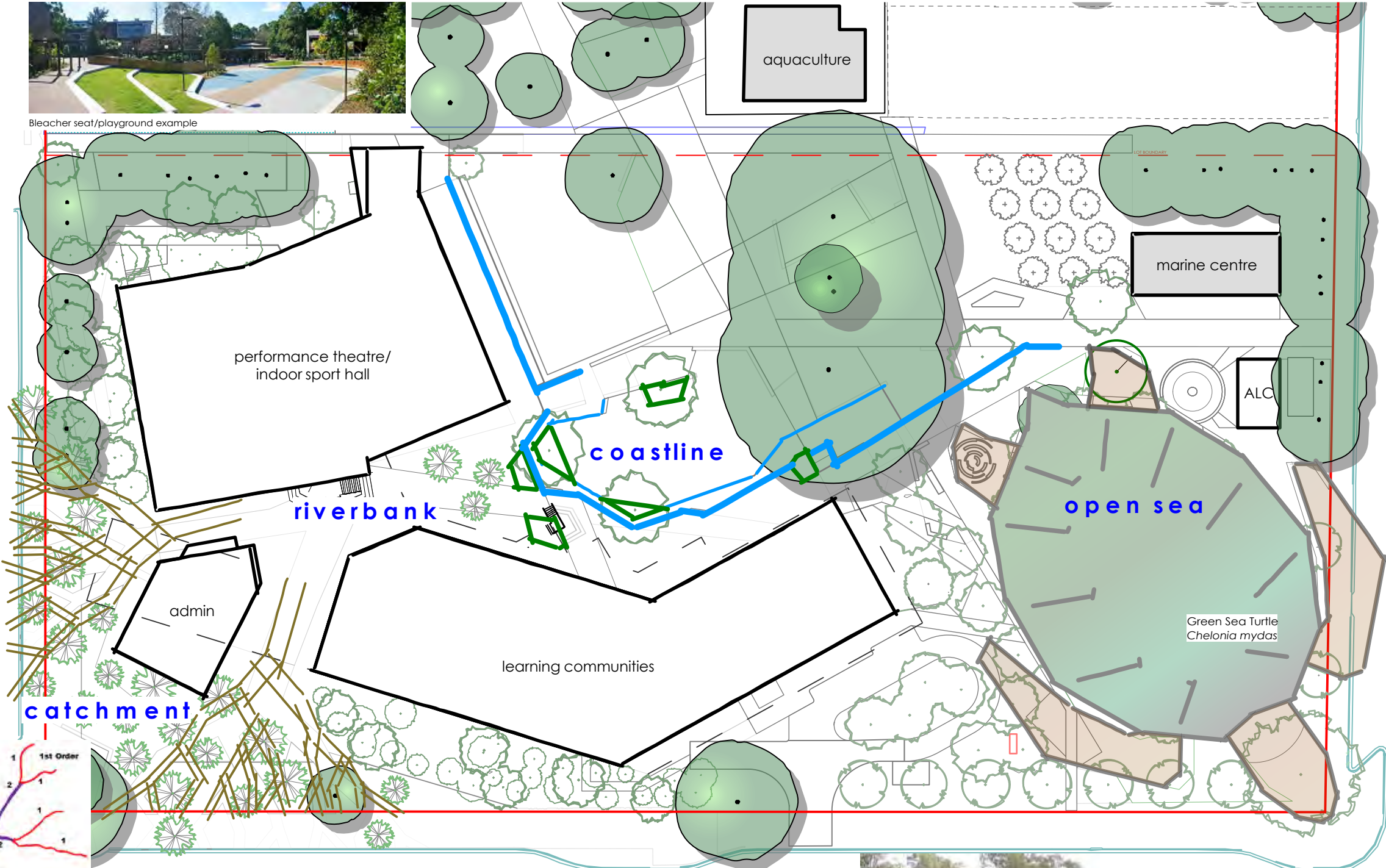
Cabbage Tree forest



Victoria Park boardwalk



Bleacher seat/playground example



I THINK I KILLED A TURTLE
I think I killed a turtle today
With a plastic bag that I threw away
I thought I was being very discrete
When I dropped it at my feet (in the street)
But just then it started to rain
I watched the bag go down the drain
It dawned on me where the water flows
Straight to the river is where it goes
Then on to the sea where the turtles would be
The plastic looked like a jellyfish
To all the turtles a very tasty dish
But plastic turtles cannot digest
It goes through the stomach and clogs the rest
A slow and painful way to die
The thought of which makes me cry
I've committed a serious deadly sin
If only I'd taken those few steps to the bin.
Phil Buckland

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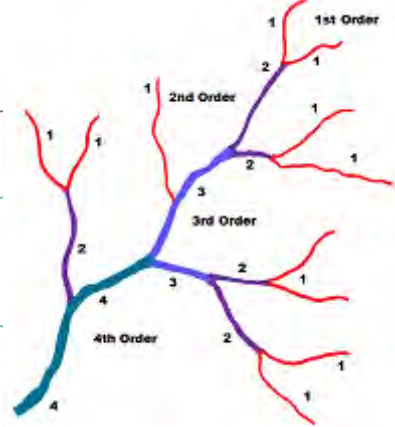
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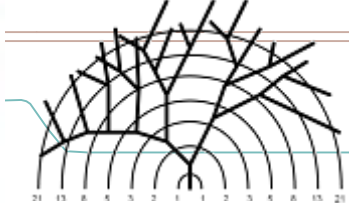
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Catchment inspiration - Strahler number Stream Order Classification System



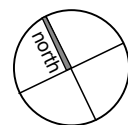
Catchment inspiration - Fibonacci Tree

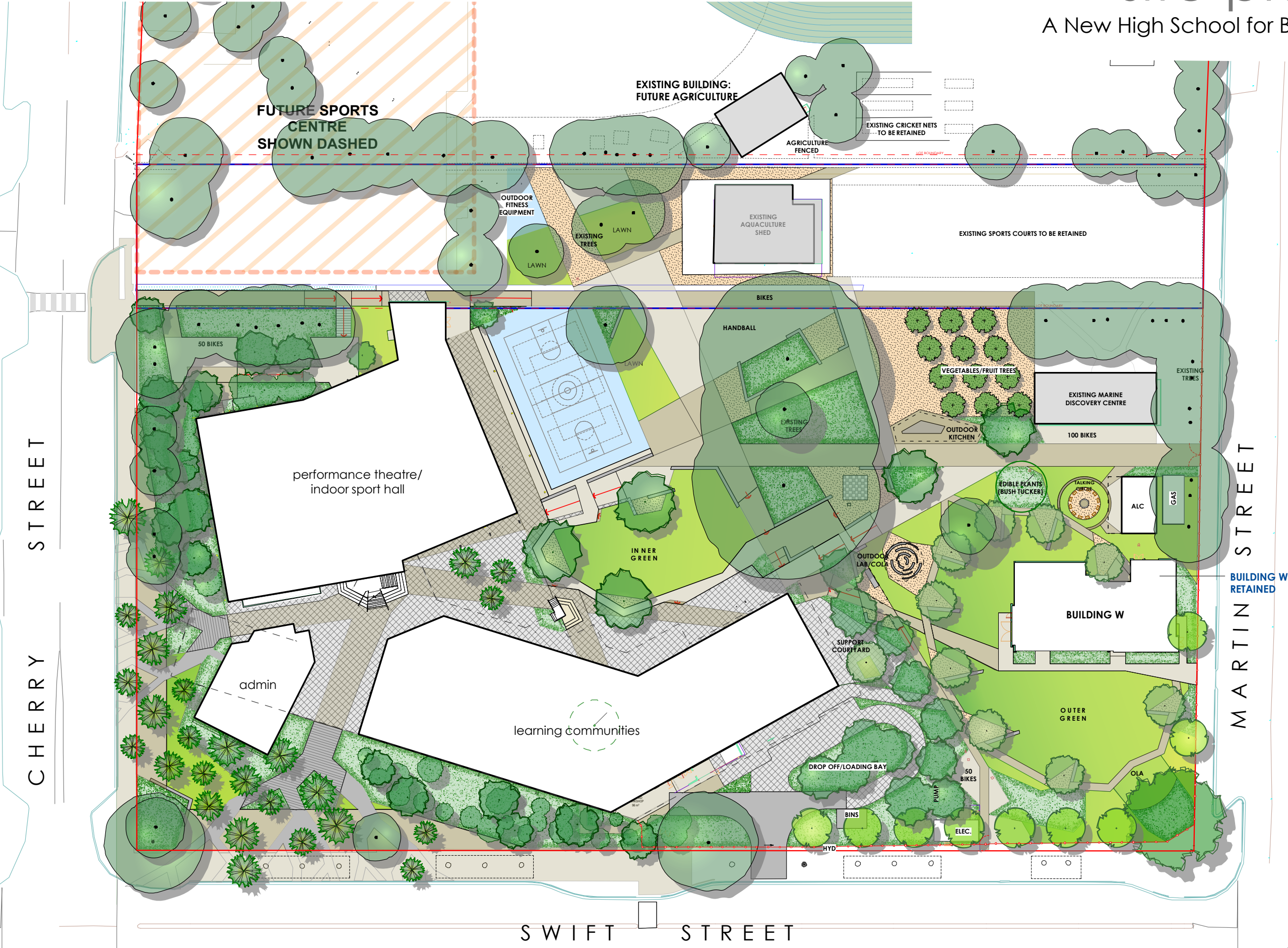


Toshia Falls Alstonville



informal concrete seating





LEGEND

	OXIDE COLOURED CONCRETE PAVEMENT
	CONCRETE PAVERS
	PERMEABLE PAVEMENT SURFACE
	RAISED BOARDWALK
	LOW CONCRETE SITTING WALL
	LAWN AREAS
	MASS PLANTED AREAS
	EXISTING TREES TO BE RETAINED
	EXISTING TREES TO BE REMOVED
	PROPOSED NEW TREE PLANTINGS

G	24/9/18	Building W & Field Layout
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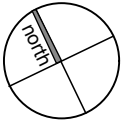
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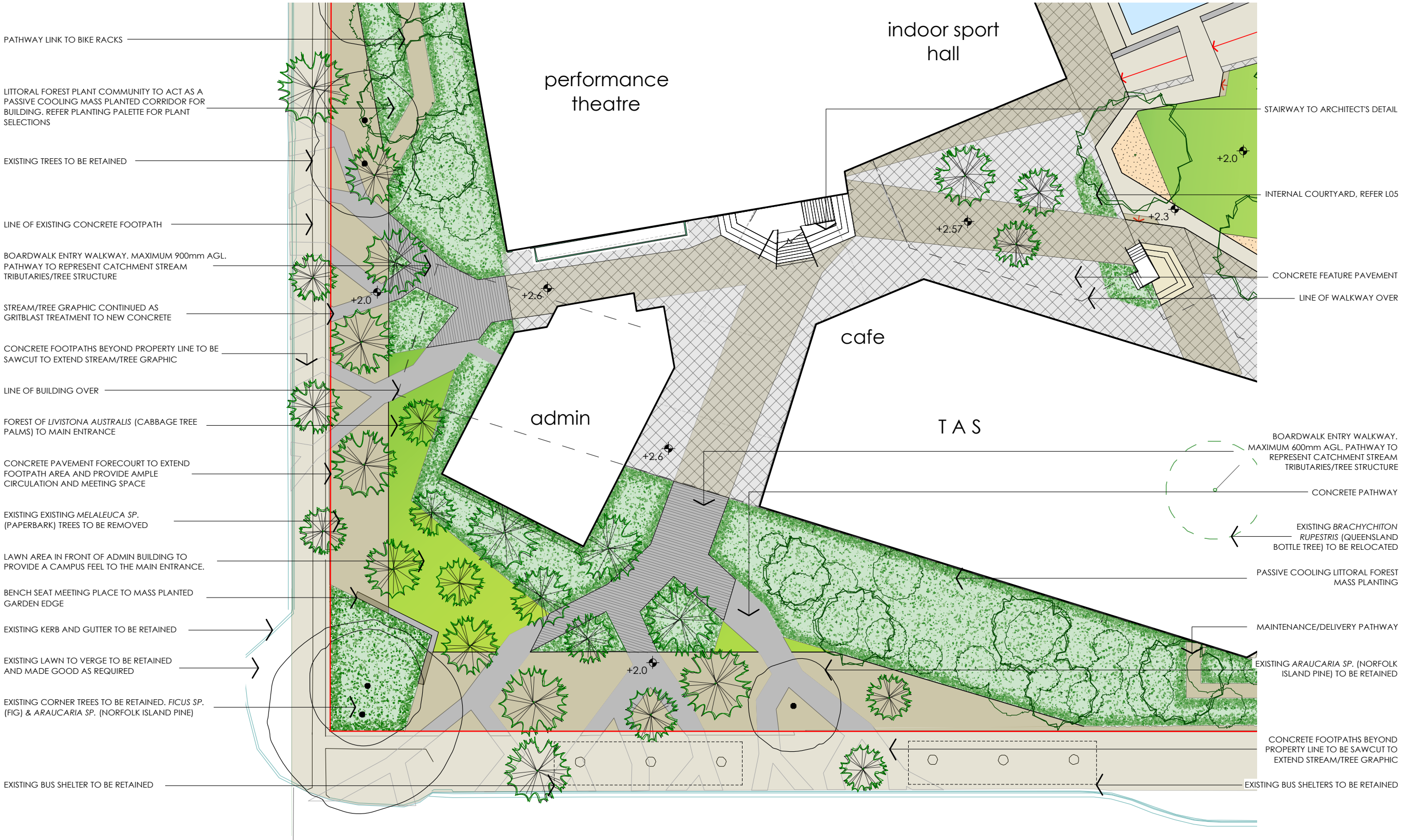
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10806.5 DA L03 G



main entrance

A New High School for Ballina

L04



LEGEND

- OXIDE COLOURED CONCRETE PAVEMENT
- CONCRETE PAVERS
- PERMEABLE PAVEMENT SURFACE
- RAISED BOARDWALK
- LOW CONCRETE SITTING WALL
- LAWN AREAS
- MASS PLANTED AREAS
- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED
- PROPOSED NEW TREE PLANTINGS

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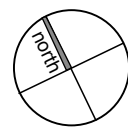
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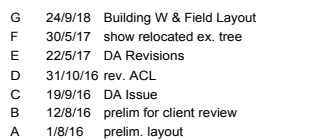
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A New High School for Ballina

LEGEND



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active recreation

A New High School for Ballina

L06



LEGEND

- OXIDE COLOURED CONCRETE PAVEMENT
- CONCRETE PAVERS
- PERMEABLE PAVEMENT SURFACE
- RAISED BOARDWALK
- LOW CONCRETE SITTING WALL
- LAWN AREAS
- MASS PLANTED AREAS
- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED
- PROPOSED NEW TREE PLANTINGS

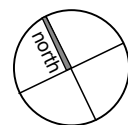
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1 active recreation
L06 Scale: 1:500



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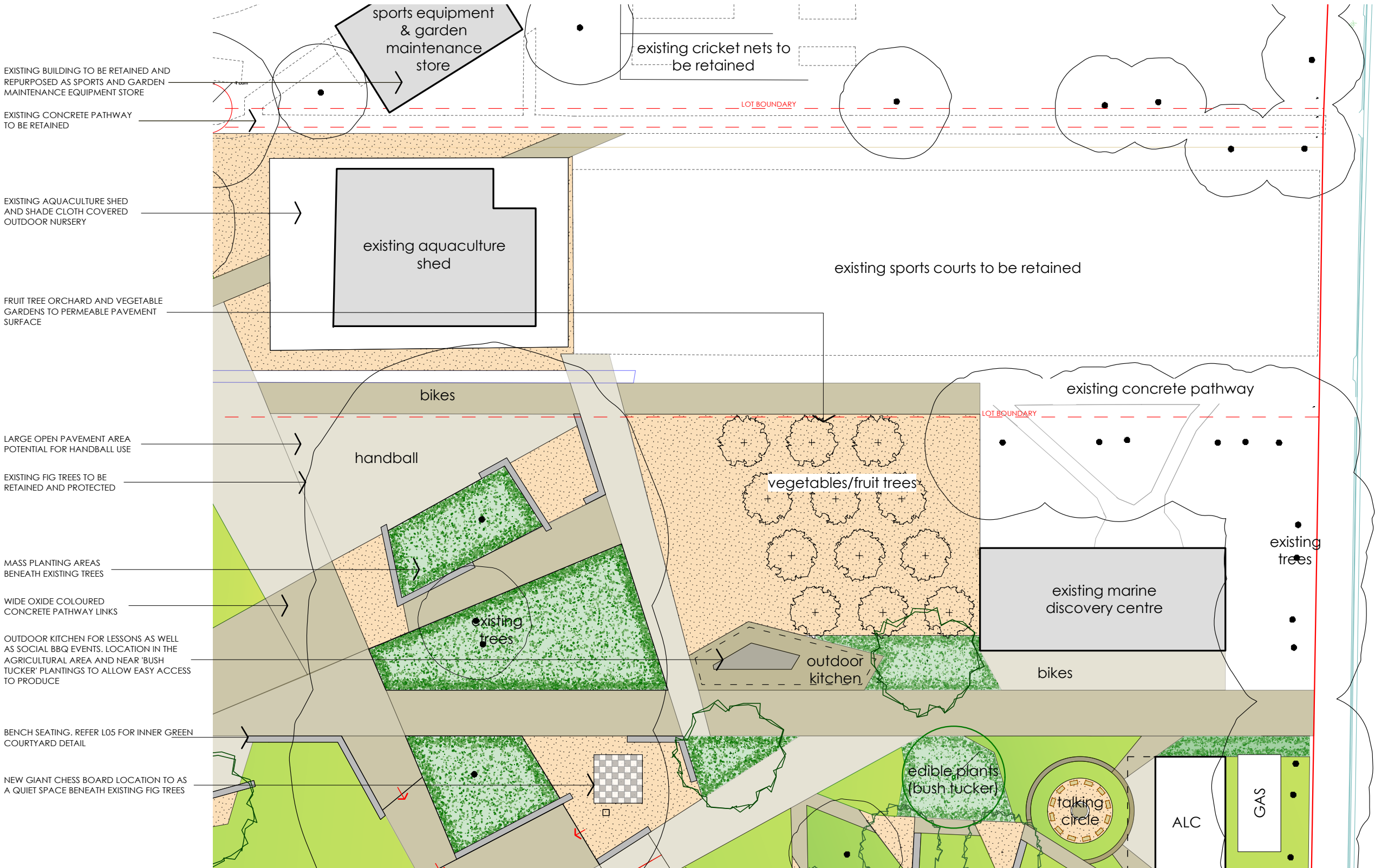
terras
landscape architects

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primary industry/conservation

A New High School for Ballina

L07



LEGEND

	OXIDE COLOURED CONCRETE PAVEMENT
	CONCRETE PAVERS
	PERMEABLE PAVEMENT SURFACE
	RAISED BOARDWALK
	LOW CONCRETE SITTING WALL
	LAWN AREAS
	MASS PLANTED AREAS
	EXISTING TREES TO BE RETAINED
	EXISTING TREES TO BE REMOVED
	PROPOSED NEW TREE PLANTINGS

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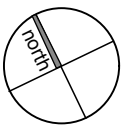
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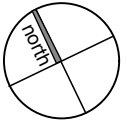
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JOB NUMBER: PHASE: DWG No: REV:
10806.5 DA L07 G



L08



LEGEND

-
-  OXIDE COLOURED CONCRETE PAVEMENT
 CONCRETE PAVERS
 PERMEABLE PAVEMENT SURFACE
 RAISED BOARDWALK
 LOW CONCRETE SITTING WALL
 LAWN AREAS
 MASS PLANTED AREAS
 EXISTING TREES TO BE RETAINED
 EXISTING TREES TO BE REMOVED
 PROPOSED NEW TREE PLANTINGS

- | | | |
|---|----------|---------------------------|
| G | 24/9/18 | Building W & Field Layout |
| F | 30/5/17 | show relocated ex. tree |
| E | 22/5/17 | DA Revisions |
| D | 31/10/16 | rev. ACL |
| C | 19/9/16 | DA Issue |
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| A | 1/8/16 | prelim. layout |

PROJECT:
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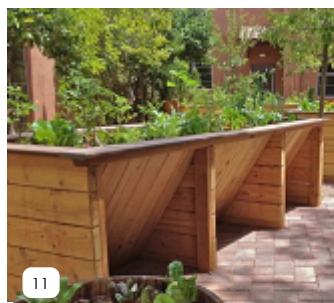
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1. ENTRY BOARDWAK EXAMPLE TO MAIN ENTRY
2. INFORMAL CONCRETE SEATING EXAMPLE
3. CABBAGE TREE PALM FOREST TO MAIN ENTRY
4. RAIN GARDEN EXAMPLE FOR INNER GREEN COURTYARD WETLAND PLANTERS
5. STORMWATER MANAGEMENT WITH RAIN GARDENS
6. EXAMPLE OF CONCRETE SEATING FOR SMALL GROUPS PROPOSED BENEATH EXISTING FIG TREES

7. CUSTOM SHADE STRUCTURE EXAMPLE FOR TALKING CIRCLE OR OUTDOOR LEARNING AREAS
8. CONCRETE AND COMPOSITE TIMBER BENCH SEATS
9. FLEXIBLE OPEN PLAYGROUND TREATMENT INDICATIVE OF INNER GREEN MULTICOURT AREA TREATMENTS
10. INFORMAL OUTDOOR CLASSROOM IMAGE
11. WHEELCHAIR ACCESSIBLE VEGETABLE BEDS
12. CROSSFIT OUTDOOR TRAINING EQUIPMENT

13. OUTDOOR KITCHEN / BBQ AREA
14. INDICATIVE IMAGE OF DECORATIVE FENCE TREATMENT FOR SUPPORT UNIT COURTYARD
15. LOCKABLE OUTDOOR SKATEBOARD RACK
16. SMARTPHONE SCANABLE PLANT ID TAGS

D	22/5/17	DA Revisions
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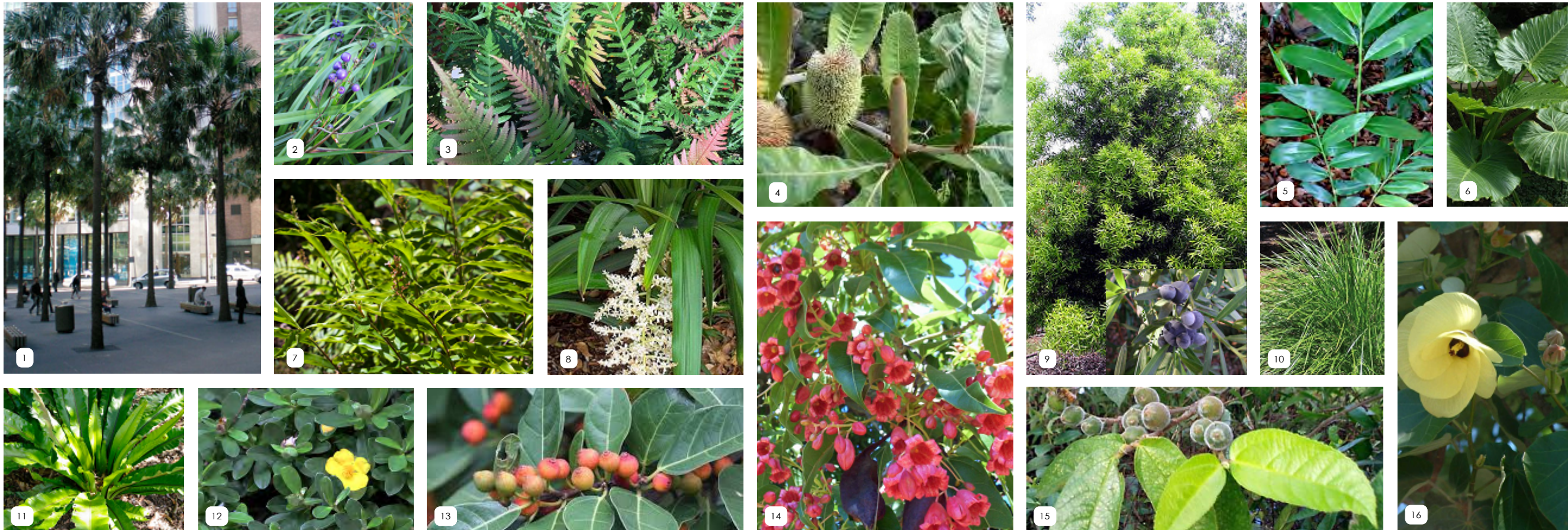
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JOB NUMBER: PHASE: DWG No: REV:
10806.5 DA L09 D

planting palette - littoral rainforest entry gardens

A New High School for Ballina

L10



plant list

- | | |
|-----------------------------|--------------------------|
| 1. Livistona australis | Cabbage-tree Palm |
| 2. Dianella caerulea | Flax Lilly |
| 3. Doodia aspera | Rasp Fern |
| 4. Banksia robur | Swamp Banksia |
| 5. Alpinia caerulea | Native Ginger |
| 6. Alocasia brisbanensis | Cunjevoi |
| 7. Alpinia arundelliana | Wavy leaved Ginger |
| 8. Cordyline congesta | Narrow-leaved Palm Lilly |
| 9. Podocarpus elatus | Plum Pine |
| 10. Lomandra longifolia | Mat Rush |
| 11. Asplenium australasicum | Birds Nest Fern |
| 12. Hibbertia scandens | Snake Vine |
| 13. Ficus fraseri | White Sandpaper Fig |
| 14. Brachychiton discolor | Lacebark Tree |
| 15. Ficus coronata | Sandpaper Fig |
| 16. Hibiscus tiliaceus | Cottonwood |

D 22/5/17 DA Revisions
C 19/9/16 DA Issue
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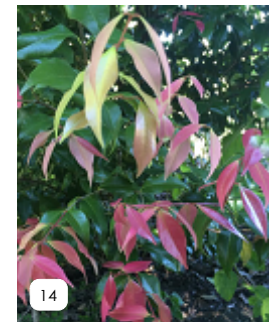
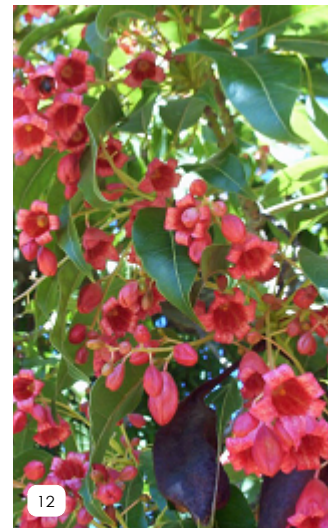
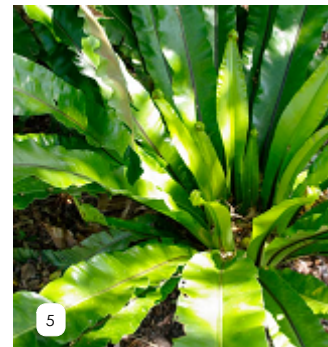
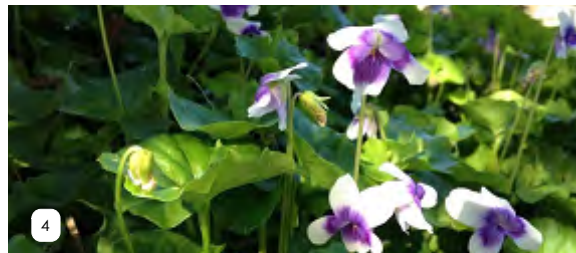
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JOB NUMBER: 10806.5 DA L10 PHASE: DWG No: REV: D

planting palette - internal courtyards & playgrounds

A New High School for Ballina

L11



plant list

- | | |
|------------------------------|------------------------|
| 1. Carpobrotus glaucescens | Pig Face |
| 2. Lomandra hystrix | Mat Rush |
| 3. Hibbertia scandens | Snake Vine |
| 4. Viola hederacea | Native Violet |
| 5. Asplenium australasicum | Birds Nest Fern |
| 6. Cupaniopsis anacardioides | Tuckaroo |
| 7. Doryanthes excelsa | Gymea Lily |
| 8. Flindersia bennettiana | Bennett's Ash |
| 9. Ficinia nodosa | Knobby Club-rush |
| 10. Crinum pedunculatum | Swamp Lilly |
| 11. Philydrium lanuginosum | Frog Mouth |
| 12. Brachychiton discolor | Lacebark Tree |
| 13. Melaleuca quinquenervia | broad-leaved paperbark |
| 14. Syzygium Francisii | Giant Water Gum |

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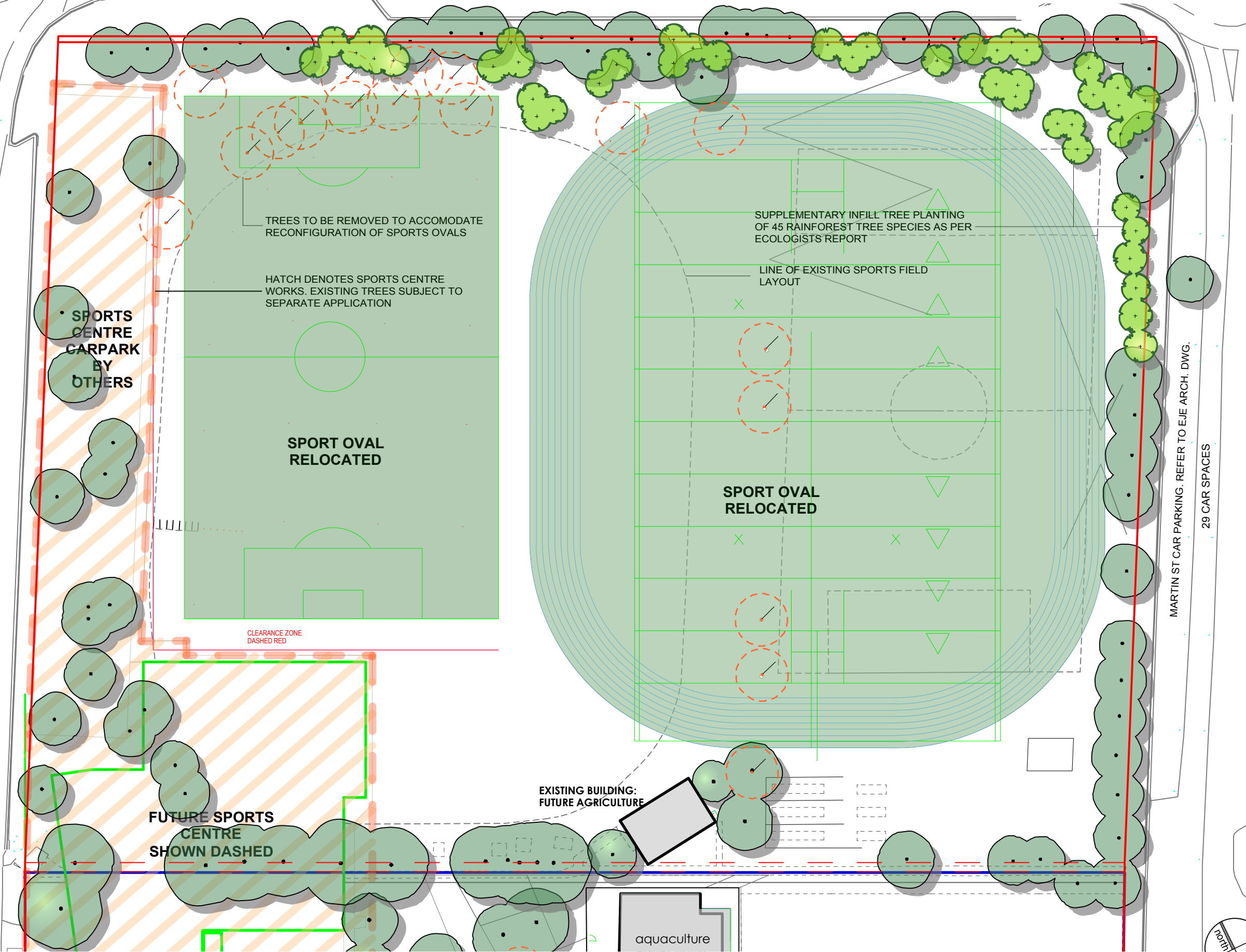
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JOB NUMBER: 10806.5 DA L11 PHASE: DWG No: REV: D

sports field tree diagram

A New High School for Ballina

L12



LEGEND

- SITE BOUNDARY
- EXISTING BUILDINGS TO BE RETAINED
- PROPOSED BUILDING OUTLINE
- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED
- 45 PROPOSED NEW TREE PLANTINGS TO SPORTS FIELDS

A 24/9/18 Building W & Field Layout

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