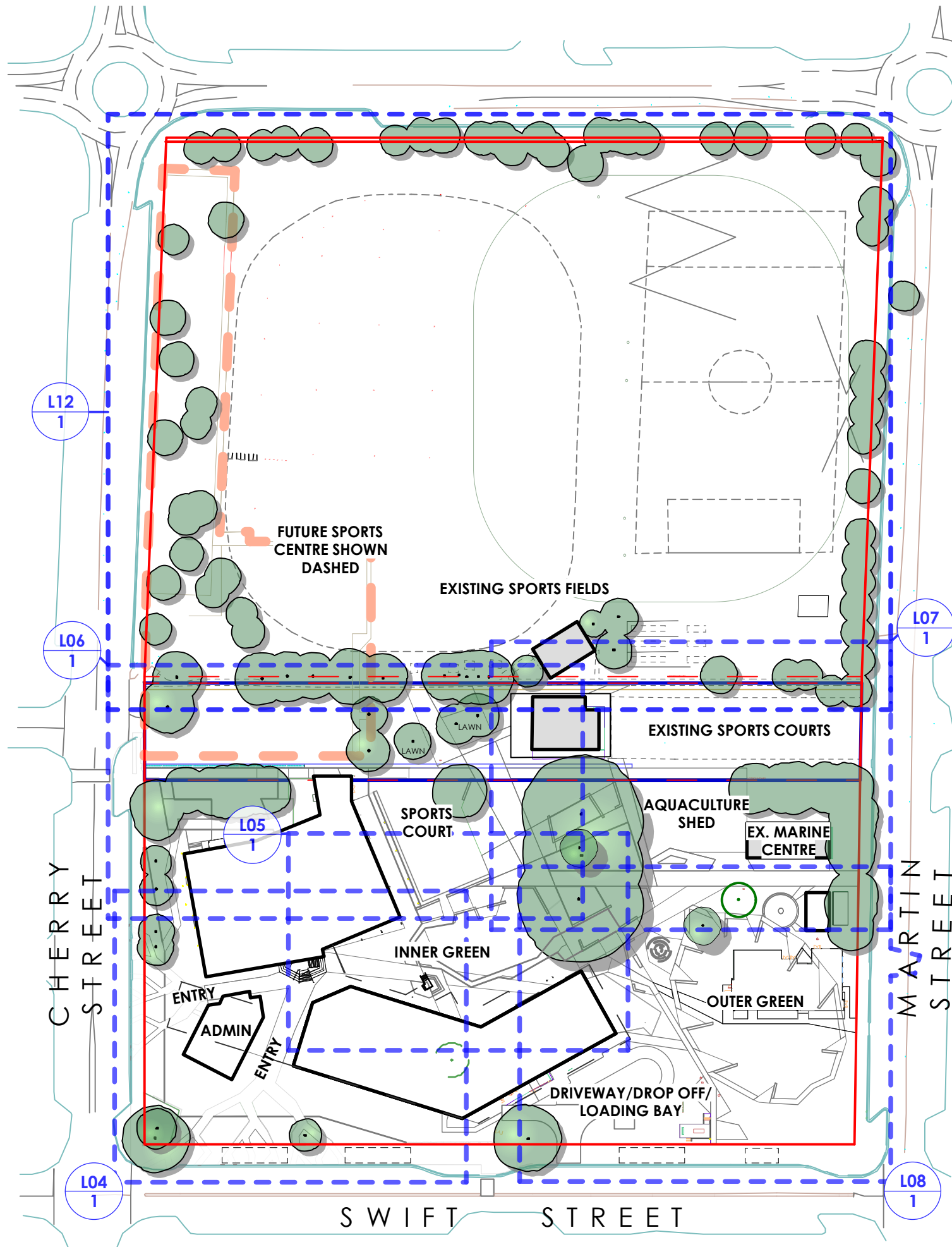


landscape development application

A New High School for Ballina



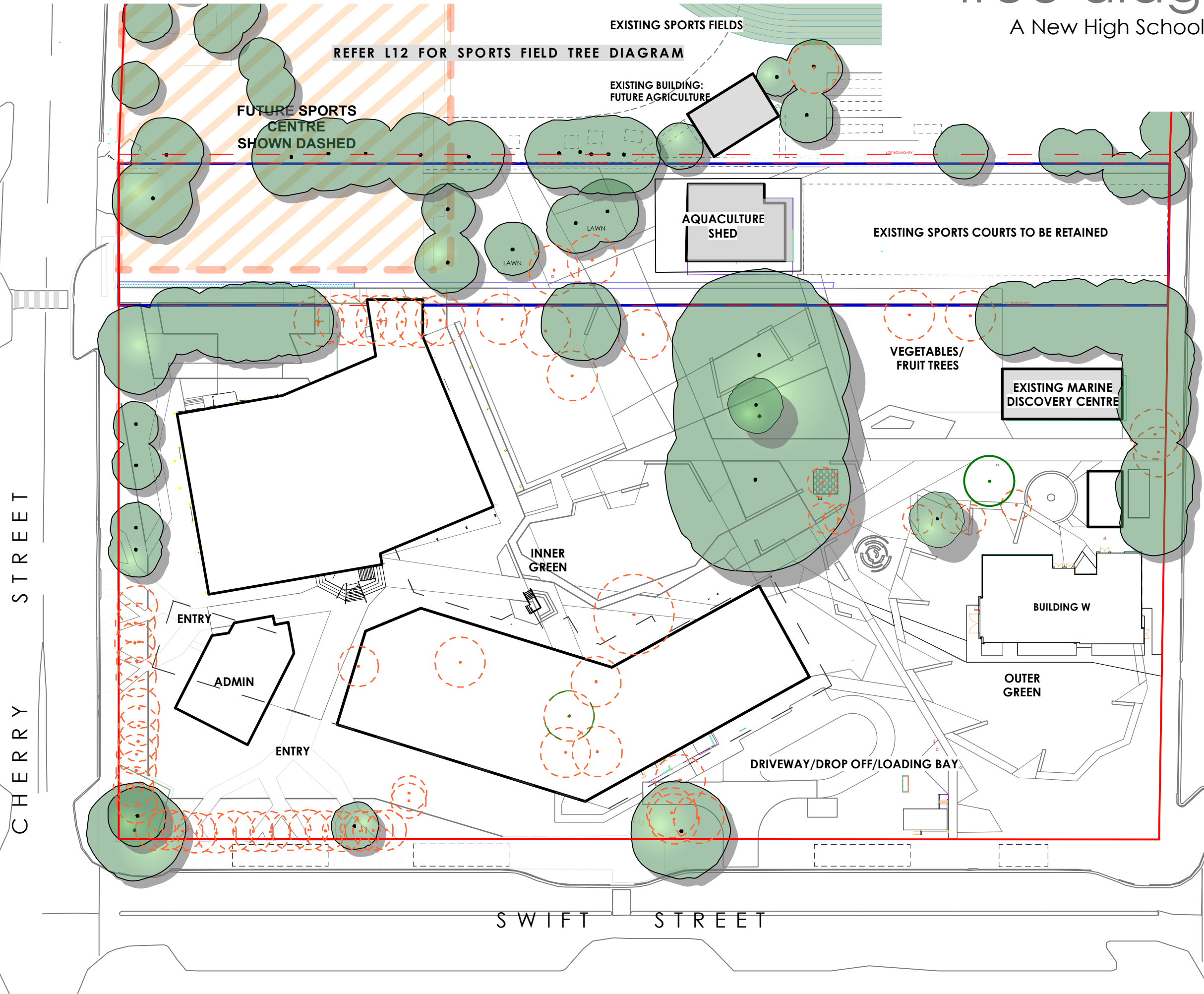
sheet index

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| 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 |
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| 10806.5 DA L09 | precedents | D | 22/5/17 |
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| 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 |

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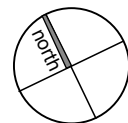
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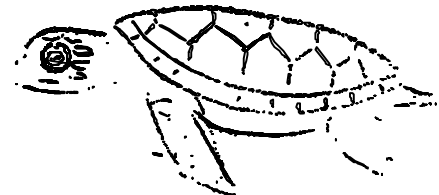
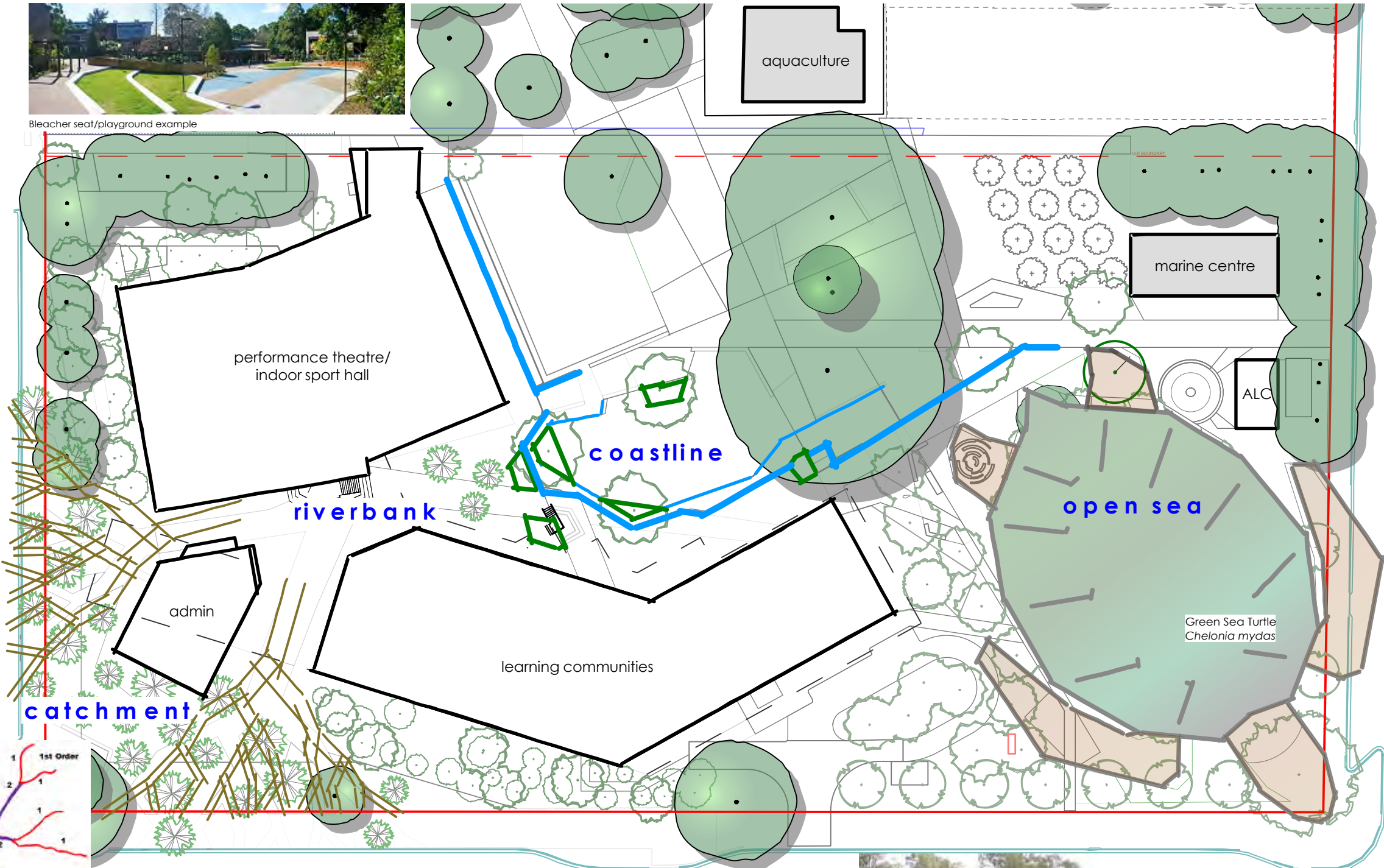
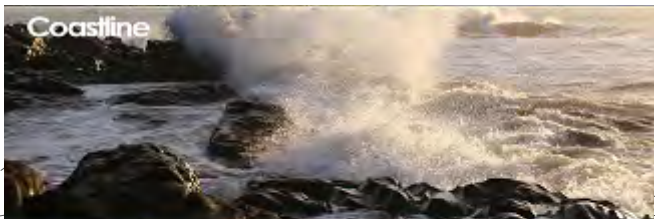
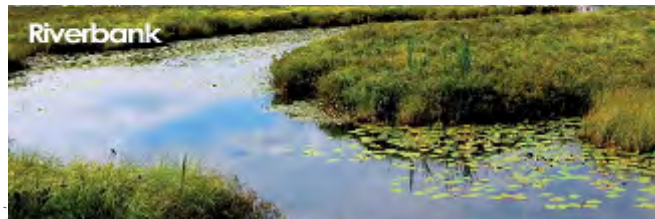
JOB NUMBER: PHASE: DWG No: REV:
10806.5 DA L01 F



landscape concept

L02

A New High School for Ballina



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

- F 24/9/18 Building W & Field Layout
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- C 19/9/16 DA Issue
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- A 1/8/16 preim. layout

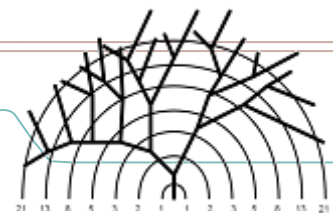
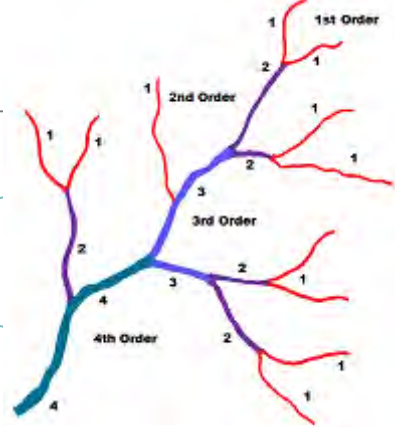
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 JOB NUMBER: PHASE: DWG No: REV:
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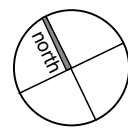
Catchment inspiration - Strahler number Stream Order Classification System

Catchment inspiration - Fibonacci Tree



Tosha Falls Alstonville

informal concrete seating



site plan

L03

A New High School for Ballina

CHERRY STREET

MARTIN STREET

SWIFT STREET

FUTURE SPORTS CENTRE SHOWN DASHED

EXISTING BUILDING: FUTURE AGRICULTURE

EXISTING CRICKET NETS TO BE RETAINED

AGRICULTURE FENCED

OUTDOOR FITNESS EQUIPMENT

EXISTING TREES

EXISTING AQUACULTURE SHED

EXISTING SPORTS COURTS TO BE RETAINED

50 BIKES

performance theatre/
indoor sport hall

BIKES

HANDBALL

VEGETABLES/FRUIT TREES

EXISTING MARINE DISCOVERY CENTRE

100 BIKES

OUTDOOR KITCHEN

INNER GREEN

EDIBLE PLANTS (BUSH TUCKER)

ALC

GAS

BUILDING W

admin

learning communities

SUPPORT COURTYARD

OUTER GREEN

DROP OFF/LOADING BAY

50 BIKES

OLA











BINS

PUMP

ELEC.

HYD

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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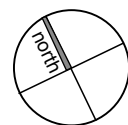
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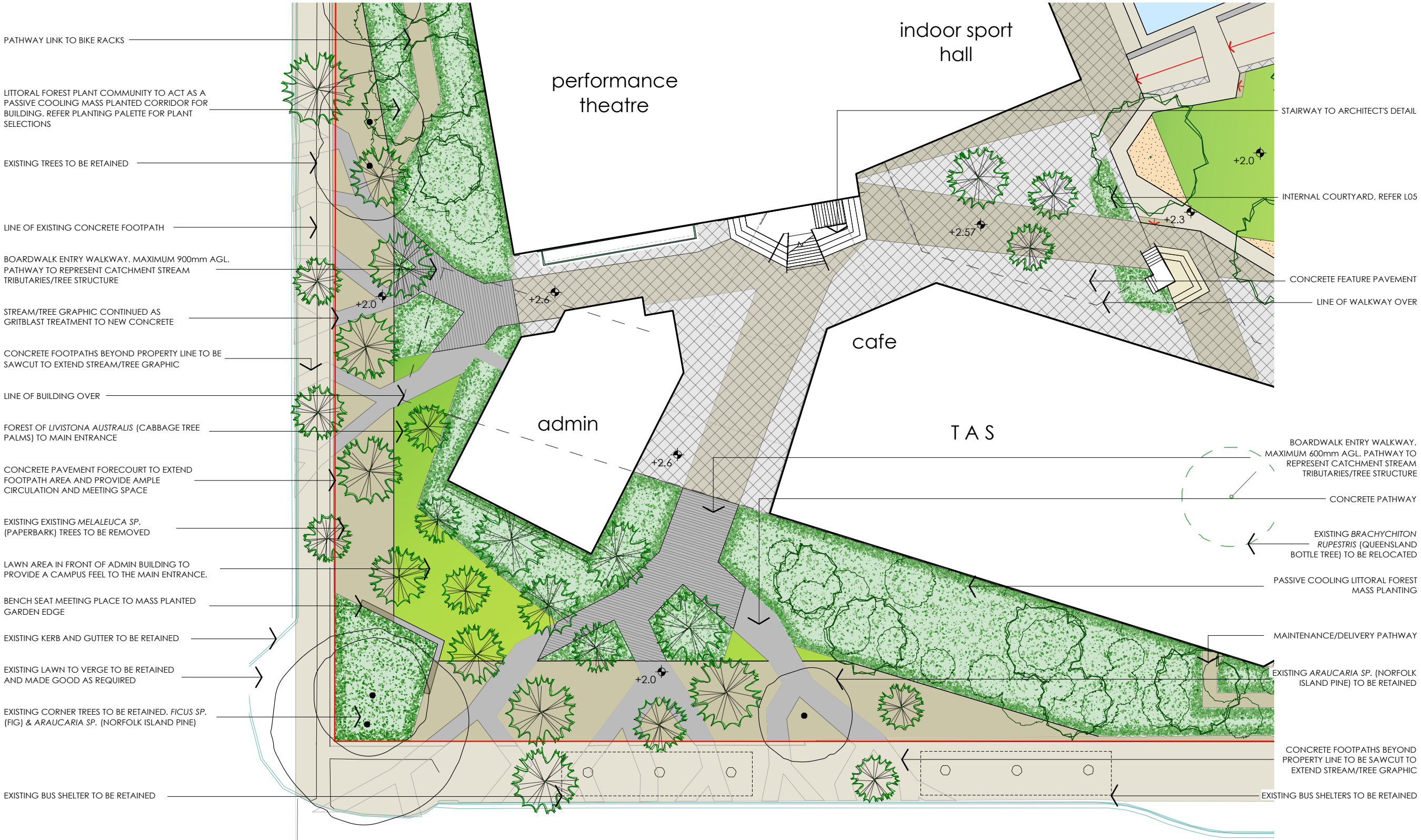
1 SITE PLAN
L03 Scale: 1:750



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
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- PROPOSED NEW TREE PLANTINGS

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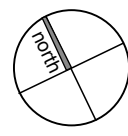
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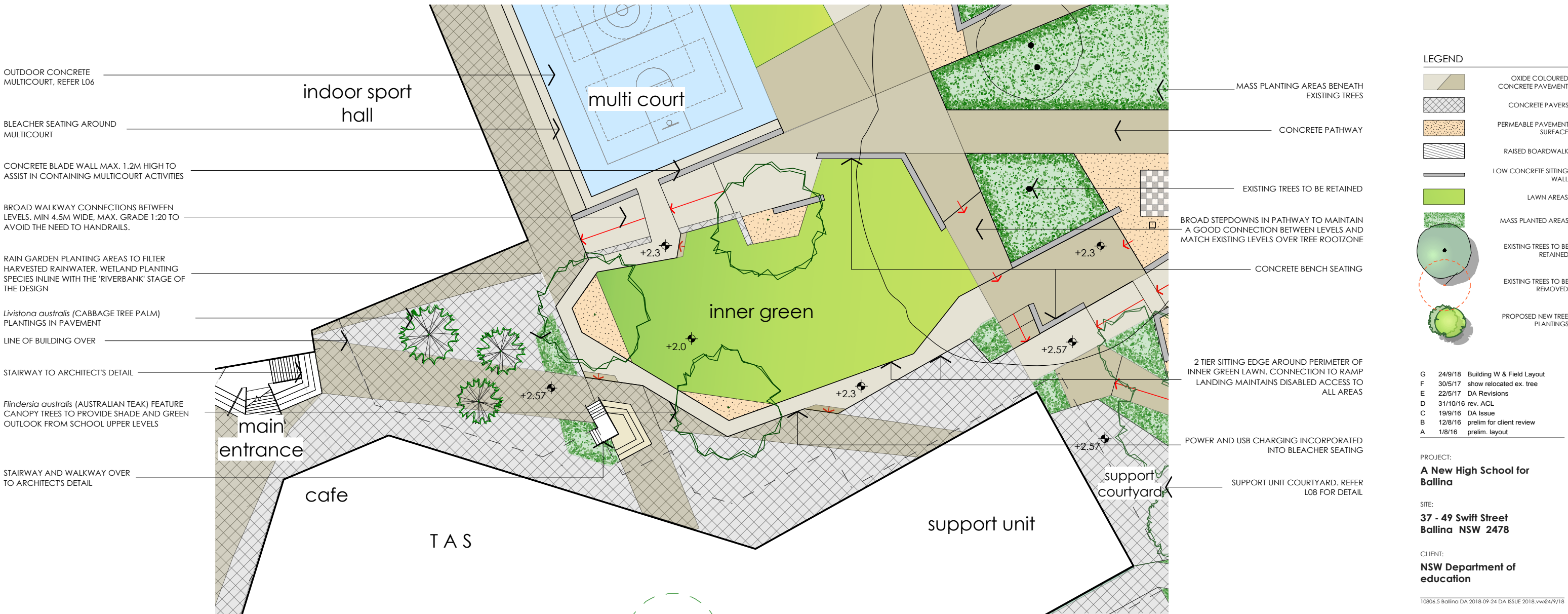
JOB NUMBER: PHASE: DWG No: REV: **10806.5 DA L04 G**



inner green courtyard

A New High School for Ballina

L05



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
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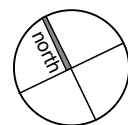
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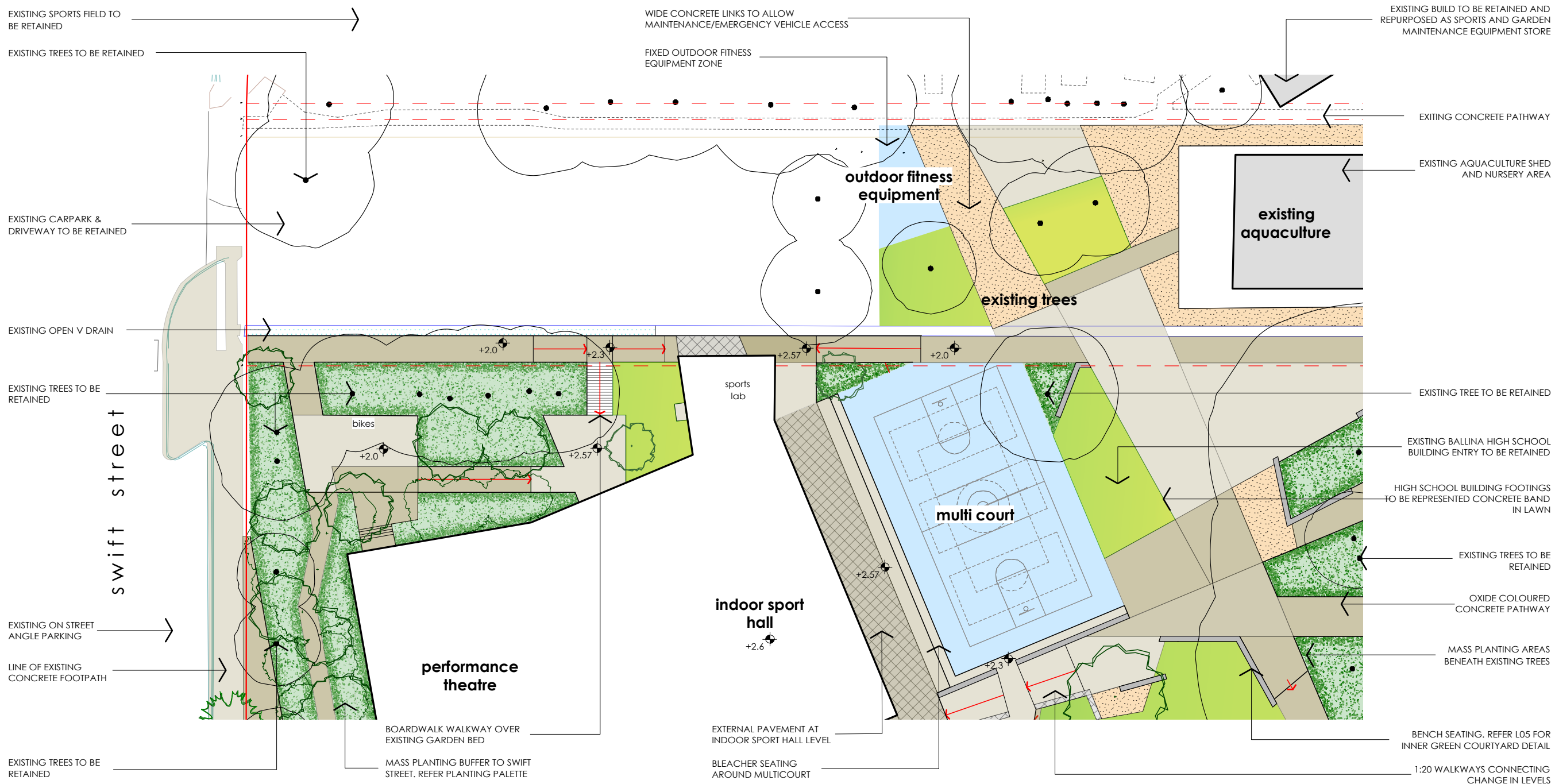
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JOB NUMBER: 10806.5 DA L05 PHASE: DWG No: REV: G

1 inner green courtyard
 L05 Scale: 1:400





LEGEND

- OXIDE COLOURED CONCRETE PAVEMENT
- CONCRETE PAVERS
- PERMEABLE PAVEMENT SURFACE
- RAISED BOARDWALK
- LOW CONCRETE SITTING WALL
- LAWN AREAS
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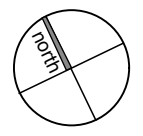
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JOB NUMBER: PHASE: DWG No: REV:

10806.5 DA L06 G

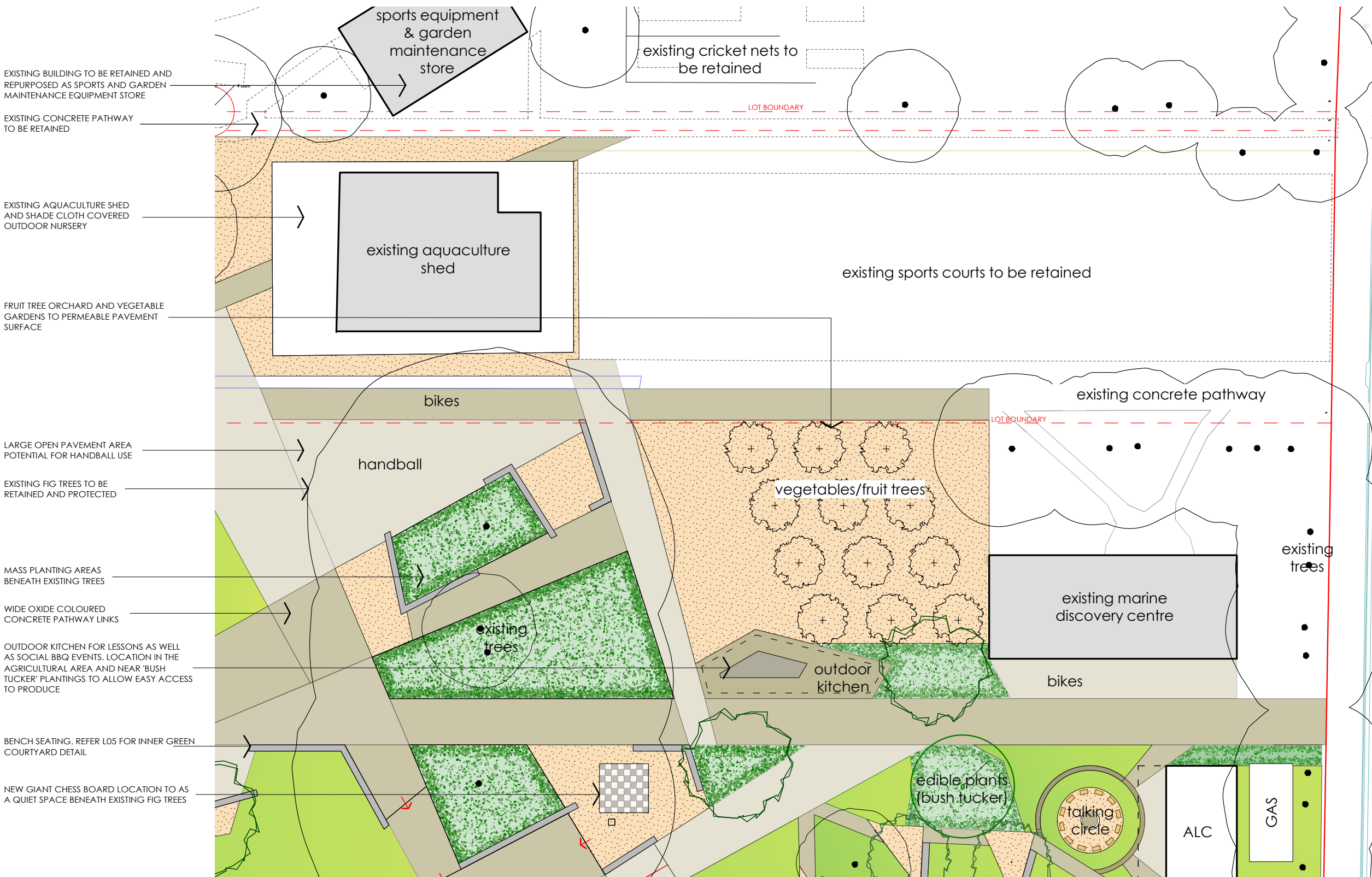
1 active recreation
 L06 Scale: 1:500



primary industry/conservation

A New High School for Ballina

L07



EXISTING BUILDING TO BE RETAINED AND REPURPOSED AS SPORTS AND GARDEN MAINTENANCE EQUIPMENT STORE

EXISTING CONCRETE PATHWAY TO BE RETAINED

EXISTING AQUACULTURE SHED AND SHADE CLOTH COVERED OUTDOOR NURSERY

FRUIT TREE ORCHARD AND VEGETABLE GARDENS TO PERMEABLE PAVEMENT SURFACE

LARGE OPEN PAVEMENT AREA POTENTIAL FOR HANDBALL USE

EXISTING FIG TREES TO BE RETAINED AND PROTECTED

MASS PLANTING AREAS BENEATH EXISTING TREES

WIDE OXIDE COLOURED CONCRETE PATHWAY LINKS

OUTDOOR KITCHEN FOR LESSONS AS WELL AS SOCIAL BBQ EVENTS. LOCATION IN THE AGRICULTURAL AREA AND NEAR 'BUSH TUCKER' PLANTINGS TO ALLOW EASY ACCESS TO PRODUCE

BENCH SEATING. REFER L05 FOR INNER GREEN COURTYARD DETAIL

NEW GIANT CHESS BOARD LOCATION TO AS A QUIET SPACE BENEATH EXISTING FIG TREES

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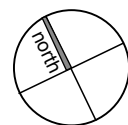
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JOB NUMBER: PHASE: DWG No: REV:
10806.5 DA L07 G





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
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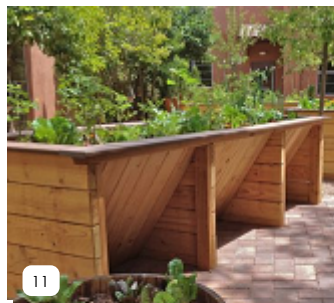
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JOB NUMBER: PHASE: DWG No: REV:
10806.5 DA L08 G

1 outer green
L08 Scale: 1:400



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
C 19/9/16 DA Issue
B 12/8/16 prelim for client review
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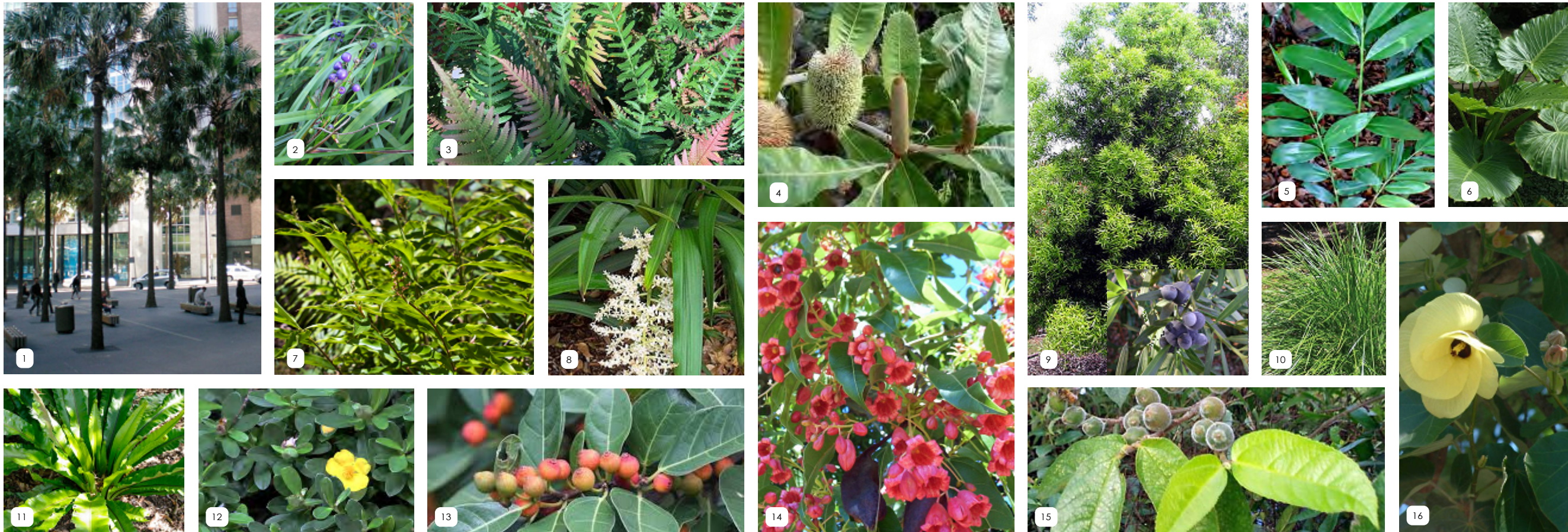
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JOB NUMBER: PHASE: DWG No: REV:
10806.5 DA L09 D

planting palette - littoral rainforest entry gardens

A New High School for Ballina

L10



plant list

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

D 22/5/17 DA Revisions
 C 19/9/16 DA Issue
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 TERRAS.COM.AU PH: 49 294 926 FAX: 49 263 069

planting palette - internal courtyards & playgrounds

A New High School for Ballina

L11



plant list

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

D 22/5/17 DA Revisions
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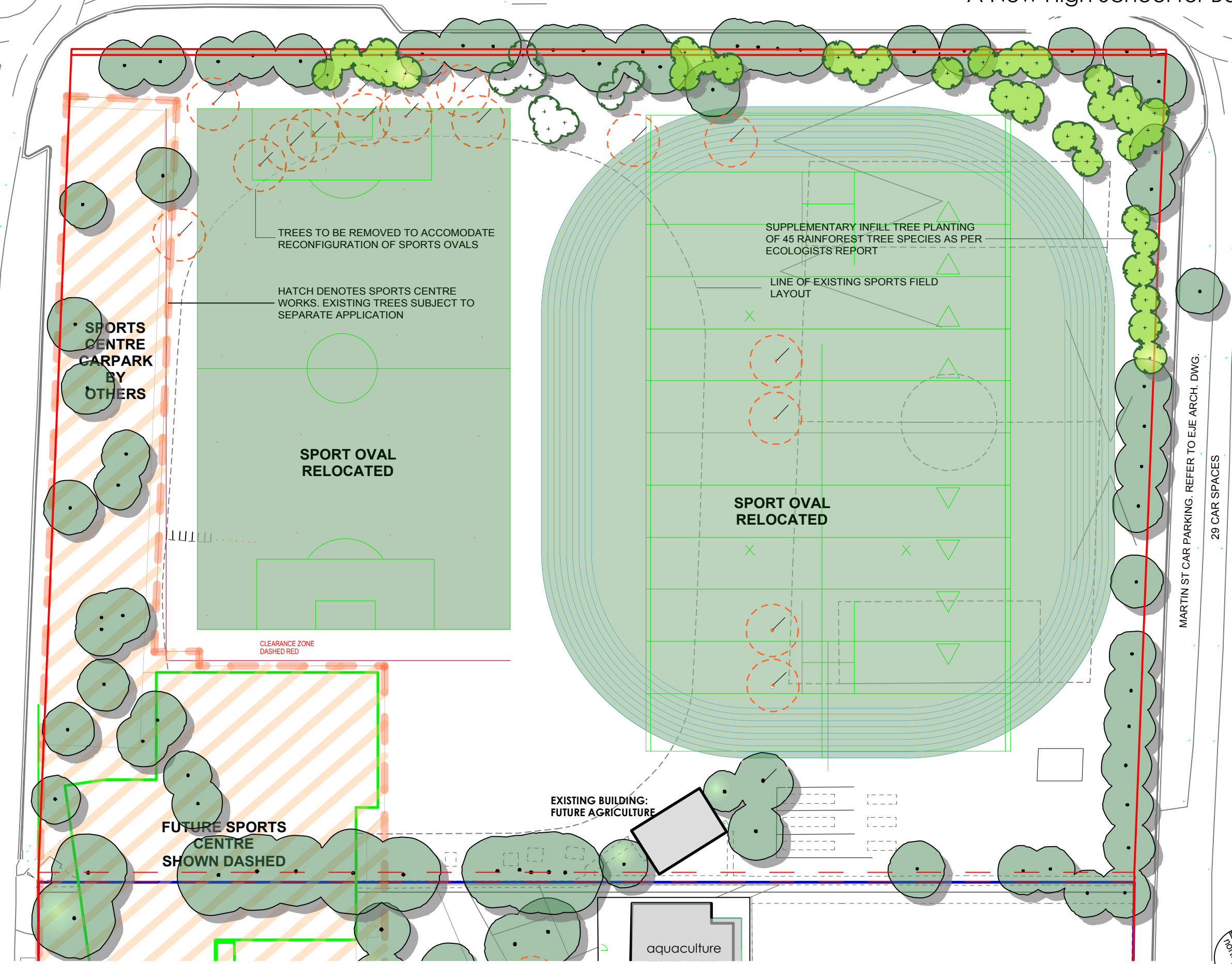
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JOB NUMBER: PHASE: DWG No: REV:
10806.5 DA L11 D

sports field tree diagram

A New High School for Ballina

L12



LEGEND

- [Red solid line] SITE BOUNDARY
- [Grey rectangle] EXISTING BUILDINGS TO BE RETAINED
- [Black outline rectangle] PROPOSED BUILDING OUTLINE
- [Green circle with dot] EXISTING TREES TO BE RETAINED
- [Red dashed circle with dot] EXISTING TREES TO BE REMOVED
- [Green circle with plus] 45 PROPOSED NEW TREE PLANTINGS TO SPORTS FIELDS

A 24/9/18 Building W & Field Layout

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JOB NUMBER: 10806.5 DA L12 A PHASE: DWG No: REV:

