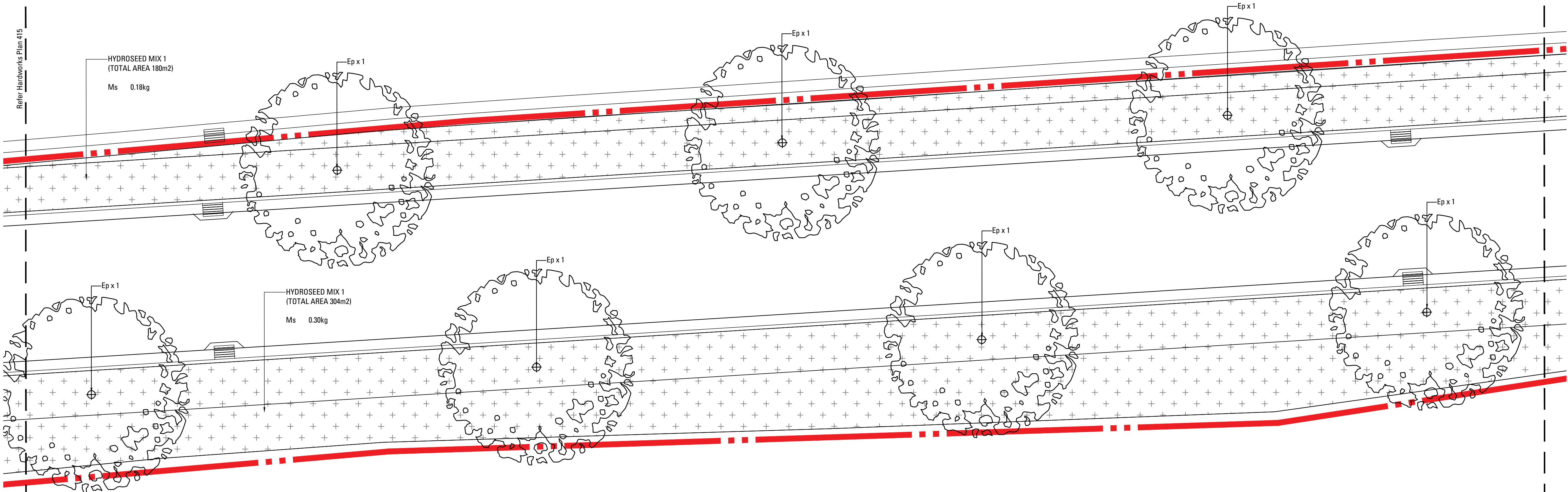


Refer Hardworks Plan 415

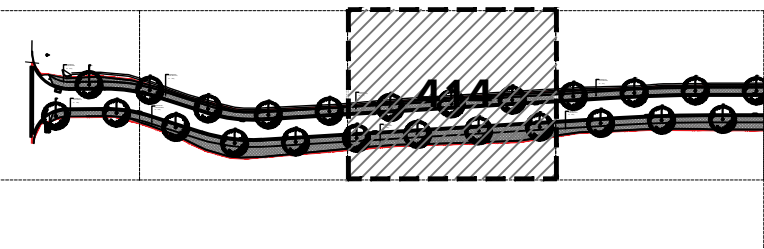


LEGEND

SOFTWORKS

- EXISTING TREES TO BE RETAINED
Refer Landscape Specification
- FEATURE TREE PLANTING
Refer Landscape Specification
- STREET TREE PLANTING
Refer Landscape Specification
- SHRUB AND ACCENT PLANTING
Refer Landscape Specification
- HYDROSEED MATRIX PLANTING
Refer Landscape Specification

KEY PLAN



NOT FOR CONSTRUCTION

Issue	Revision Description	Drawn	Check	Date
A	65% DD Tender Issue for Review	RM	CT	07.03.2019
B	Issue for Tender	RM	CT	01.04.2019
C	Issue for Tender	RM	CT	10.05.2019
D	Issue for Tender	RM	CT	06.06.2019

WYONG HOSPITAL
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NSW

TENDER FOR REVIEW

HEALTH INFRASTRUCTURE

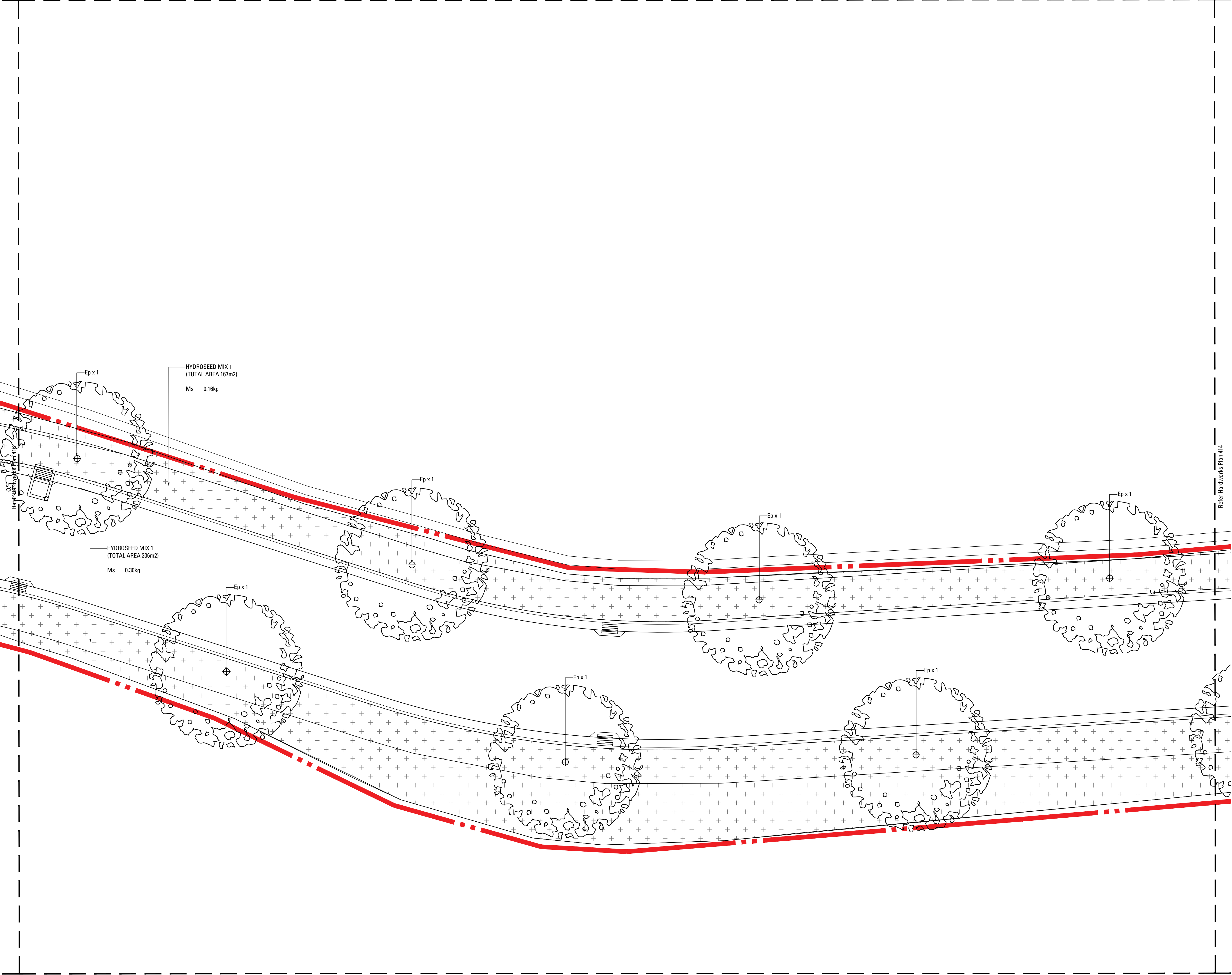
DRAWING NAME

SOFTWORKS PLAN
LOUISIANA ROAD

JOB# SHEET# ISSUE NORTH
18-559 L_414 D

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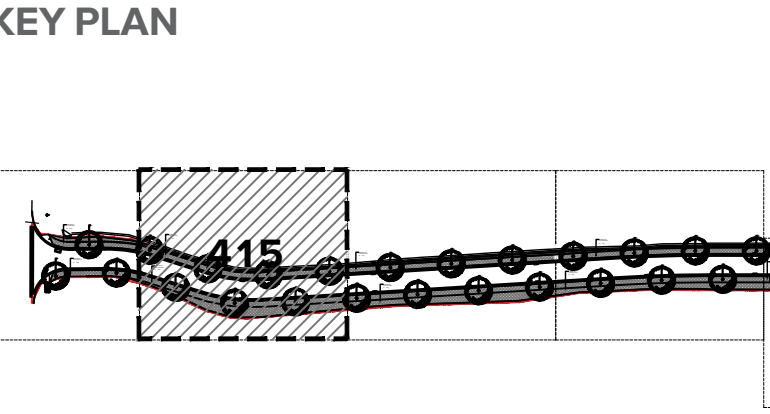




LEGEND

SOFTWORKS

- EXISTING TREES TO BE RETAINED
Refer Landscape Specification
- FEATURE TREE PLANTING
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TENDER FOR REVIEW

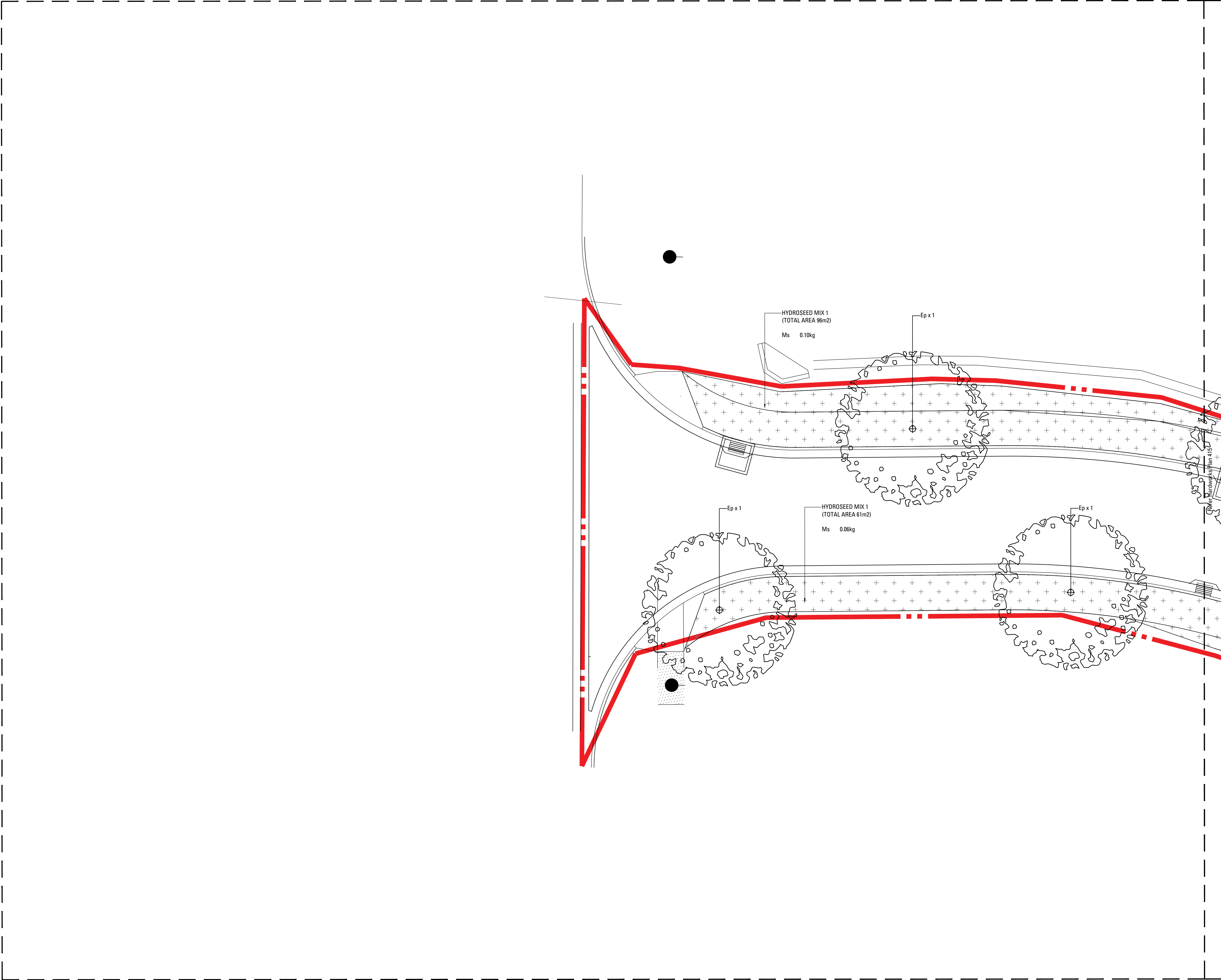
HEALTH INFRASTRUCTURE

DRAWING NAME
SOFTWORKS PLAN
LOUISIANA ROAD

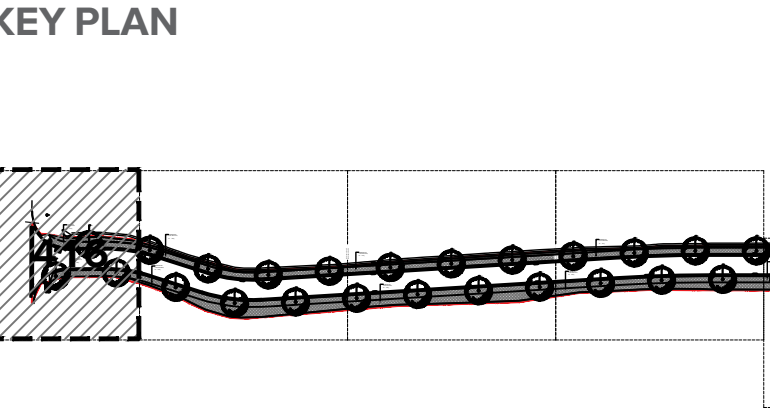
JOB# SHEET# ISSUE NORTH
18-559 L_415 D

SCALE 1:100 @ A1 0 1 2 3 4 5m





- LEGEND
- SOFTWORKS
- EXISTING TREES TO BE RETAINED
Refer Landscape Specification
 - FEATURE TREE PLANTING
Refer Landscape Specification
 - STREET TREE PLANTING
Refer Landscape Specification
 - SHRUB AND ACCENT PLANTING
Refer Landscape Specification
 - HYDROSEED MATRIX PLANTING
Refer Landscape Specification



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D	Issue for Tender	RM	CT	06.06.2019

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NSW

TENDER FOR REVIEW

HEALTH INFRASTRUCTURE

DRAWING NAME
**SOFTWORKS PLAN
LOUISIANA ROAD**

JOB# SHEET# ISSUE NORTH
18-559 L_416 D

SCALE 1:100 @ A1 0 1 2 3 4 5m



Appendix - Public Art Strategy

THE OVERALL DESIGN INTENDS TO PROVIDE A STIMULATING AND REWARDING LANDSCAPE EXPERIENCE WHICH ENGAGES THE USER THROUGH ALLEGORY AND INTERPRETATION, TELLING THE STORIES OF THE PLACE AND PEOPLE.

WE WANT TO UTILISE THE CULTURAL HERITAGE OF THE SURROUNDING AREA TO CREATE A CONNECTION TO PLACE. STRATEGIES ADDRESSING ART, INTERPRETATION AND MATERIALITY WILL CONTRIBUTE TO THE OVERALL EXPERIENCE OF THE USER AS THEY MOVE THROUGH THE SPACES CREATED IN THE LANDSCAPE.

THESE STRATEGIES WILL EXPRESS A CULTURAL NARRATIVE, EXPRESSIONS OF REGIONAL IDENTITY AND EVOLVING RELATIONSHIPS BETWEEN PEOPLE AND THE NATURAL WORLD. THEY PROVIDE SCENIC, ECOLOGICAL, SOCIAL AND EDUCATIONAL OPPORTUNITIES, HELPING COMMUNITIES TO GAIN OWNERSHIP AND BETTER UNDERSTAND THEMSELVES.

ABORIGINAL HISTORY

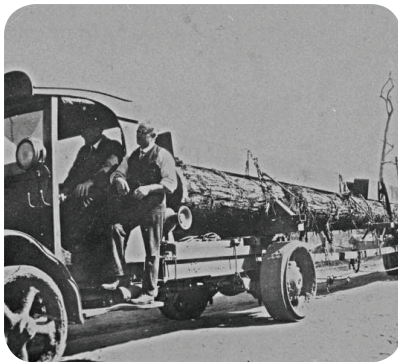
THE NAME WYONG IN INDIGENOUS CULTURE IS MEANT TO MEAN EITHER ‘EDIBLE YAM’ OR ‘PLACE OF RUNNING WATER’

THE ORIGINAL INHABITANTS OF THIS AREA WERE THE DARKINJANG TRIBE. LITTLE IS KNOWN ABOUT THE DARKINJUNG PEOPLE PRIOR TO SETTLEMENT OF NON ABORIGINAL PEOPLE.

WITHIN THIS AREA THERE AROUND 5000 REGISTERED ABORIGINAL SITES.

WYRRABALONG NATIONAL PARK NEAR WYONG HAS A RICH ABORIGINAL HISTORY - CONTAINING SEVERAL OF THESE SIGNIFICANT SITES. ONE OF THESE IS AROUND PELICAN POINT - WHICH IS NOW PROTECTED. EVIDENCE OF THEIR ACTIVITY IS FOUND THROUGH VARIOUS ROCK ENGRAVINGS, CHARCOAL & OCHER DRAWINGS.

THE MANY RIVERS AND PRESENCE OF THE TUGGERAH LAKES WERE MEETING POINT FOR THE VARIOUS TRIBES IN THIS AREA. THEY CREATED THEIR BASE CAMPS AT THIS SOURCE OF FRESH WATER.



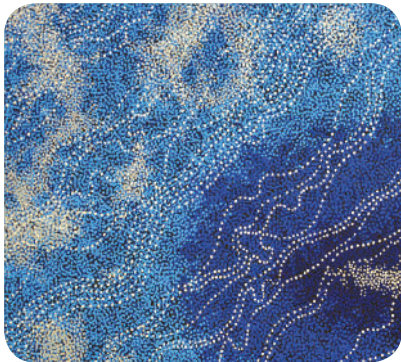
TIMBER MILLING



ABORIGINAL SITE



ROCK ENGRAVINGS



WATER CONNECTION



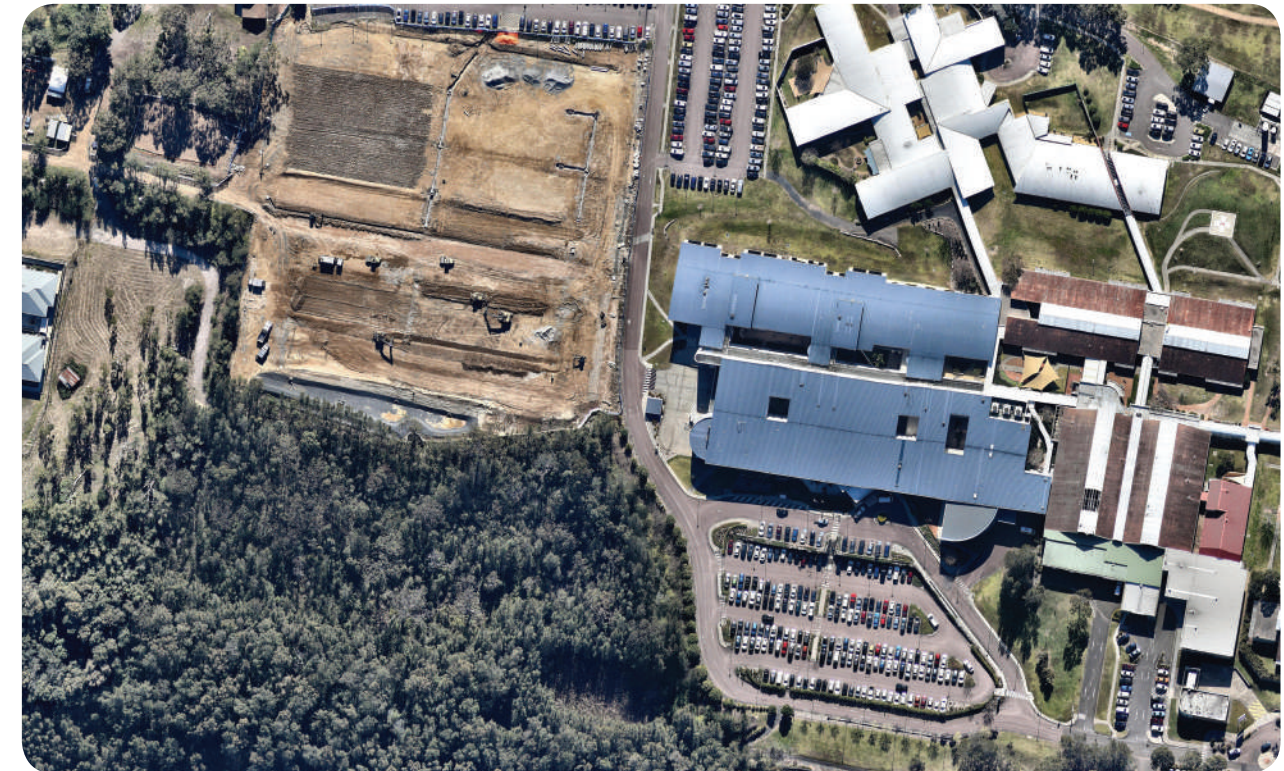
Appendix - Built Form + Urban Development

THE FOLLOWING ADDRESSES THE BELOW KEY ISSUES FOR THE REQUIREMENTS:

- PROVIDE A DETAILED LANDSCAPE STRATEGY. THE LANDSCAPE STRATEGY SHOULD CONSIDER SECURITY, TOPOGRAPHY, AND OTHER SITE CONDITIONS AND BE INTEGRATED WITH BUILT FORM. OPPORTUNITIES FOR PUBLIC ART SHOULD BE DETAILED, WHERE RELEVANT.

WE WILL PROVIDE A DETAILED LANDSCAPE STRATEGY THAT CONSIDERS TOPOGRAPHY, SITE CONDITIONS THAT ARE INTEGRATED WITH THE BUILT FORM AND OPPORTUNITIES FOR PUBLIC ART.

THE ATTACHED -'WYONG HOSPITAL EXPANSION LANDSCAPE CONCEPT' NOVEMBER 2018 ADDRESSES THE ABOVE REQUIREMENTS. IN ADDITION WE HAVE PROVIDED THE BELOW STATEMENT THAT ADDRESSES SECURITY.



THE FOLLOWING CPTED DESIGN OBJECTIVES HAVE BEEN IMPLEMENTED IN THE LANDSCAPE DESIGN.

PASSIVE SURVEILLANCE.

- VIEWS FROM THE HOSPITAL AND SURROUNDING ROADS AND FOOTPATHS ARE NOT OBSTRUCTED BY TREES OR PLANTING
- SIGHTLINESS ARE MAINTAINED TROUGH THE TREE PLANTING FROM FOOTPATHS AND PERIMETER ROAD.
- PEDESTRIAN FOOTPATHS ARE VISIBLE FROM ALL POINTS ACROSS THE SITE FOR PUBLIC PASSIVE ACTIVE SURVEILLANCE.
- TREE PLANTING AND EXISTING TREES WILL HAVE HIGH CANOPIES AND CLEAR TRUNKS. GROUND COVERS AND LOW PLANTING WILL ALLOW SIGHTLINESS THROUGH THE SURROUNDING OPEN SPACE.
- ENSURE PLANTING IS CONSISTENT WITH NSW RFS PRINCIPLES FOR ASSET PROTECTION ZONES

CCTV / SECURITY

- CCTV CAMERAS LOCATED AROUND THE BUILDING ARE NOT OBSTRUCTED BY TREES AND PLANTING FOR UNOBSTRUCTED

LIGHTING

- STREET FOOTPATHS HAVE LIGHTING ON POLES AND LUMINANCE LEVELS TO THE AUSTRALIAN STANDARDS.
- THE BUILDING AT GROUND LEVEL AND CAR PARK WILL HAVE LIGHTING WHICH WILL SPILL INTO THE LANDSCAPE

LEGIBILITY

- AUSTRALIAN DIRECTIONAL AND WAY-FINDING SIGNAGE IS PROVIDED FOR VISITORS ENTERING AND MOVING

MANAGEMENT AND MAINTENANCE

- THE LANDSCAPE IS TO BE MAINTAINED TO ENSURE ALL CPTED OBJECTIVES ARE ACHIEVE

Appendix - Ecological Sustainable Development

THE FOLLOWING ADDRESSES THE BELOW KEY ISSUES FOR THE REQUIREMENTS:

- PROVIDE A STATEMENT REGARDING HOW THE DESIGN OF THE FUTURE DEVELOPMENT IS RESPONSIVE TO THE CSIRO PROJECTED IMPACTS OF CLIMATE CHANGE SPECIFICALLY:
- HOTTER DAYS AND MORE FREQUENT HEATWAVE EVENTS
- EXTENDED DROUGHT PERIODS
- MORE EXTREME RAINFALL EVENTS
- GUSTIER WIND CONDITIONS
- HOW THESE WILL INFORM LANDSCAPE DESIGN MATERIAL SECTION AND SOCIAL EQUITY ASPECTS (RESPITE / SHELTER AREAS)

WE HAVE SELECTED TREES, SHRUBS, GRASSES AND GROUND COVERS WERE CHOSEN DUE TO THEIR ALREADY ADAPTED NATURE TO THE REGION AND THEIR ROLE IN THE EXISTING ECOSYSTEM. WATERING WILL ONLY BE REQUIRED FOR ESTABLISHMENT AND THEN BE DROUGHT TOLERANT. THE SPECIES CHOSEN WILL STRENGTHEN THE VEGETATION COMMUNITIES IN THE SITE WHICH FEATURE IN DRY SCLEROPHYLL AND REMNANT FOREST COMMUNITY.

LANDSCAPE AREAS ADJACENT TO THE PROPOSED HOSPITAL BUILDING IN THE APZ WILL BE PLANTED AND HAVE SEEDS SOURCED FROM LOCAL SEED BANKS WITH SPECIES THAT ARE DROUGHT TOLERANT, REQUIRE MINIMAL WATER FOR GROWTH AND SUSCEPTIBLE TO EXTREME RAINFALL, HOTTER DAYS AND MORE FREQUENT HEATWAVE EVENTS AND EXTENDED DAYLIGHT PERIODS IN ORDER TO ACCOMMODATE THE INCREASE IN CLIMATE CHANGE.

TYPICAL PLANTING PALETTE IS LOCATED INT HE ATTACHED 'WYONG HOSPITAL EXPANSION LANDSCAPE CONCEPT' NOVEMBER 2018.



THE FOLLOWING RESPONSES HAVE BEEN IMPLEMENTED IN THE ECOLOGICAL DESIGN.

MORE EXTREME RAINFALL EVENTS

THE PROJECT HAS A DETENTION BASIN AND NETWORK OF ROCK LINED AND VEGETATED SWALES THAT CAPTURES AND ALLOWS ABSORPTION OF WATER IN EXTREME RAINFALL EVENTS. SCOUR PROTECTION AND PLANTING THROUGHOUT THE SITE ALSO REDUCES EROSION FROM WATER IN EXTREME RAINFALL EVENTS.

AN ESTABLISHMENT MAINTENANCE STRATEGY WILL ENSURE ALL PLANTING ESTABLISHES AND PROVIDES ROOT STRUCTURES THAT STABILISE THE SOIL.

GUSTIER WIND CONDITIONS

IF GUSTIER WINDS OCCURS TREES AREA OFTEN THE MOST AFFECTED LANDSCAPE ELEMENT. ALL TREES ARE INSTALLED AT AN APPROPRIATE SIZE WITH AN ADEQUATE DEPTH OF TOPSOIL FOR STABILITY. THIS WILL ENSURE THE STRUCTURAL CAPABILITY OF EACH TREE WILL BE ABLE TO SURVIVE HIGH WIND CONDITIONS. THE USE OF 'TREE TIE DOWNS' WILL BE CONSIDERED IN PRONE HIGH WIND AREAS.

AN ONGOING MAINTENANCE STRATEGY WILL SUPERVISE ALL TREES ONSITE AND PROVIDE ADEQUATE MEASURES TO COMBAT AN POSSIBLE FAILURES.

HOW WILL THESE INFORM LANDSCAPE DESIGN, MATERIAL SELECTION AND SOCIAL EQUITY ASPECTS (RESPITE/SHELTER AREAS)

THE LANDSCAPE DESIGN ENCOURAGES SOCIAL EQUITY AND INTERACTION IN RESPITE/SHELTER AREAS THROUGHOUT THE SITE. THE LANDSCAPE DESIGN AND MATERIALITY IN THESE AREAS ENCOURAGES THE CIRCULATION AND MOVEMENT OF PEOPLE TO SLOW DOWN AND THEREFORE CONNECT. LANDSCAPE ELEMENTS LIKE TREES FOR SHADE, SEATING OPPORTUNITIES AND DIFFERENT PAVEMENTS ENCOURAGE USERS TO SLOW DOWN, CONNECT AND PAUSE. THE LOCATION OF PATHWAYS PROVIDE OPPORTUNITIES OF PEDESTRIANS AND CYCLIST TO PASS AND ALSO CREATE SOCIAL COHESION. ALONG THESE PATHWAYS MANY AREAS OF 'PAUSE' WITH RESPITE/SHELTER'S ARE PROVIDED.

THE SYSTEM OF PATHWAYS ARE ALL EQUALLY ACCESSIBLE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND DISABILITY DISCRIMINATION ACT.