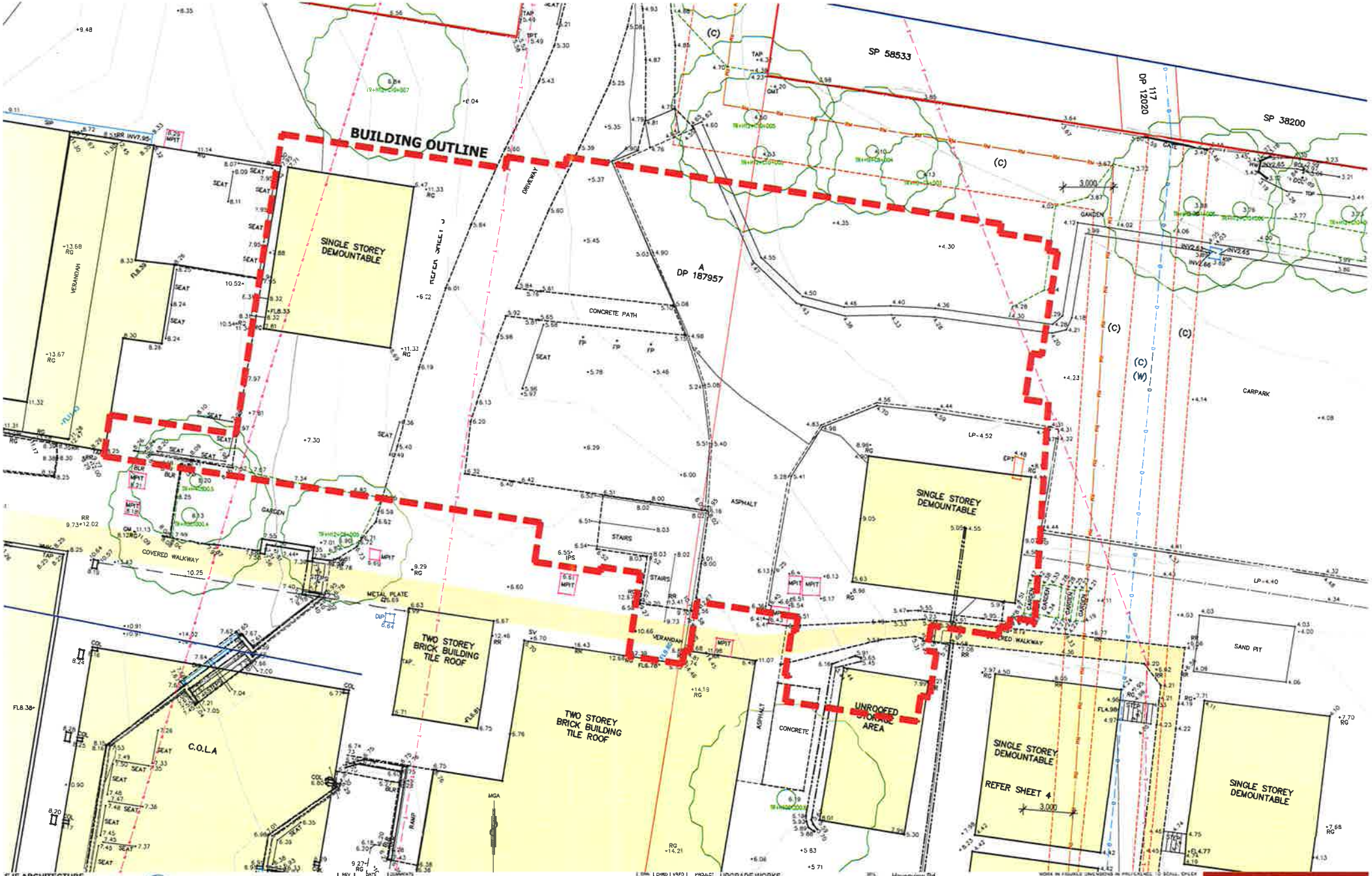

EJE ARCHITECTURE

ACN 003 570 862 | ABN 67 849 949 944
Nominated Architect: Bernard Collins
NSW Architects Registration 4428
4-17 KING STREET, NEWCASTLE NSW 2300
P +61 2 4929 2332 | F +61 2 4925 3559 | E mail@eje.com.au | W www.eje.com.au

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REV	DATE	COMMENTS
01	5/09/2017	ISSUE FOR PRE DA REVIEW
02	7/09/2017	ISSUE FOR PRE DA REVIEW
03	25/09/2017	ISSUE FOR DA

PROJECT: UPGRADE WORKS
TERRIGAL PUBLIC SCHOOL

Haverview Rd
TERRIGAL NSW 2260

CLIENT: NSW GOVERNMENT Education
35 Bridge Street
SYDNEY NSW 2000

DRAWING: **SURVEY WITH OUTLINE**

WORK IN FIGURES UNLESS NOTED IN PRELIMINARY. TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

FILENAME: 11506-Terrigal-SUPPLEMENTARY-SURVEY-WITH-OUTLINE

DRAWN	DATE	SCALE
PB	25/09/2017	1:200@A3

PROJECT No.	PHASE	DRAWING No.	REV
11506	DA	TE01	03

EJE architecture

EXISTING DEMOUNTABLES TO BE REMOVED AT COMPLETION OF NEW HOMEBASE CONSTRUCTION

EXISTING DEMOUNTABLES TO BE TEMPORARILY RELOCATED

TO BE DEMOLISHED

EJE ARCHITECTURE
ACN 003 913 963 | ABN 37 664 669 812
Nominated Architect - Stephen Collins
ARBN Architects Registration No.4108
A 412 KING STREET NEWCASTLE, NSW 2300
P +61 2 4929 2223 | F +61 2 4929 2266 | E mail@eje.com.au | W www.eje.com.au

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REV	DATE	COMMENTS	DRN	CHKD	APPD
01	5/09/2017	ISSUE FOR PRE DA REVIEW	SJ		
02	7/09/2017	ISSUE FOR PRE DA REVIEW	SJ		
03	25/09/2017	ISSUE FOR DA	SJ		

PROJECT: UPGRADE WORKS TERRIGAL PUBLIC SCHOOL

SITE: Havenview Rd TERRIGAL NSW 2260

CLIENT: NSW GOVERNMENT Education
35 Bridge Street
SYDNEY NSW 2000

DRAWING: **DEMOLITION PLAN**

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

FILENAME: 11506 Terrigal Public School Upgrade Works

DRAWN	DATE	SCALE
PB	25/09/2017	1:500@A3

PROJECT No	PHASE	DRAWING No	REV
11506	DA	TE02	03

EJE architecture

ABBREVIATIONS

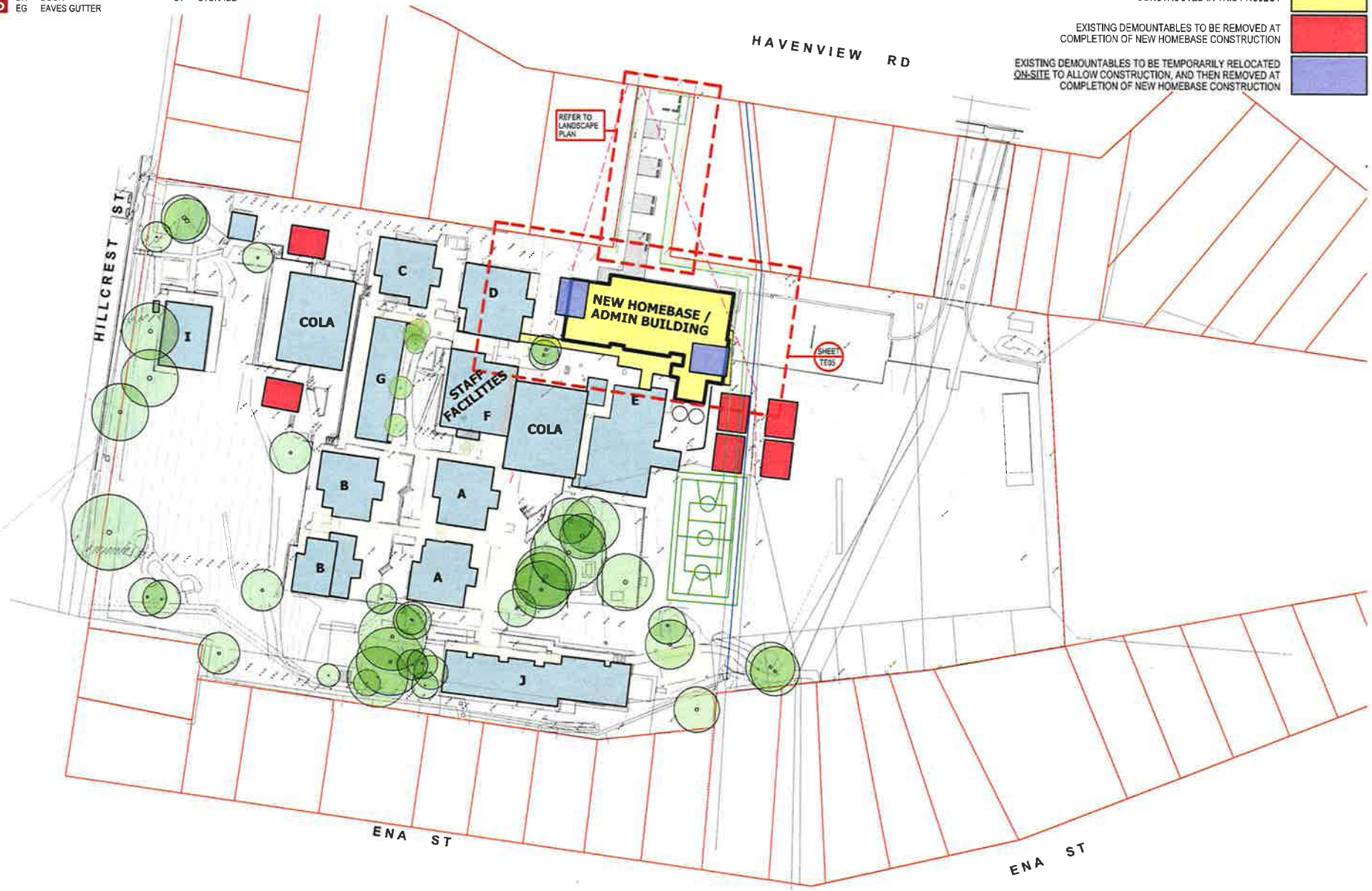
AW	AWNING WINDOW
BD	BI-FOLD DOOR
BOL	BOLLARD
COL	COLUMN
DP	DOWNPIPE
DR	DOOR
EG	EAVES GUTTER
FG	FIXED GLASS
MRS-1	METAL ROOF SHEET
PC-1	POLYCARBONATE ROOF SHEET
SB	SMART BOARD
SD	SLIDING DOOR
ST	STORAGE

EXISTING BUILDINGS TO BE RETAINED IN THIS PROJECT

NEW BUILDINGS TO BE CONSTRUCTED IN THIS PROJECT

EXISTING DEMOUNTABLES TO BE REMOVED AT COMPLETION OF NEW HOMEBASE CONSTRUCTION

EXISTING DEMOUNTABLES TO BE TEMPORARILY RELOCATED ON-SITE TO ALLOW CONSTRUCTION, AND THEN REMOVED AT COMPLETION OF NEW HOMEBASE CONSTRUCTION



EJE ARCHITECTURE

N

REV	DATE	COMMENTS	DRN	CHKD	VRFD
08	27/07/2017	ISSUE FOR PRG	SJ		
09	24/08/2017	ISSUE FOR MEETING	SJ		
10	5/09/2017	ISSUE FOR PRE DA REVIEW	SJ		
11	7/09/2017	ISSUE FOR PRE DA REVIEW	SJ		
12	25/09/2017	ISSUE FOR DA	SJ		

PROJECT: UPGRADE WORKS
TERRIGAL PUBLIC SCHOOL

CLIENT: NSW GOVERNMENT Education
35 Bridge Street
SYDNEY NSW 2000

SITE: Haverview Rd
TERRIGAL NSW 2260

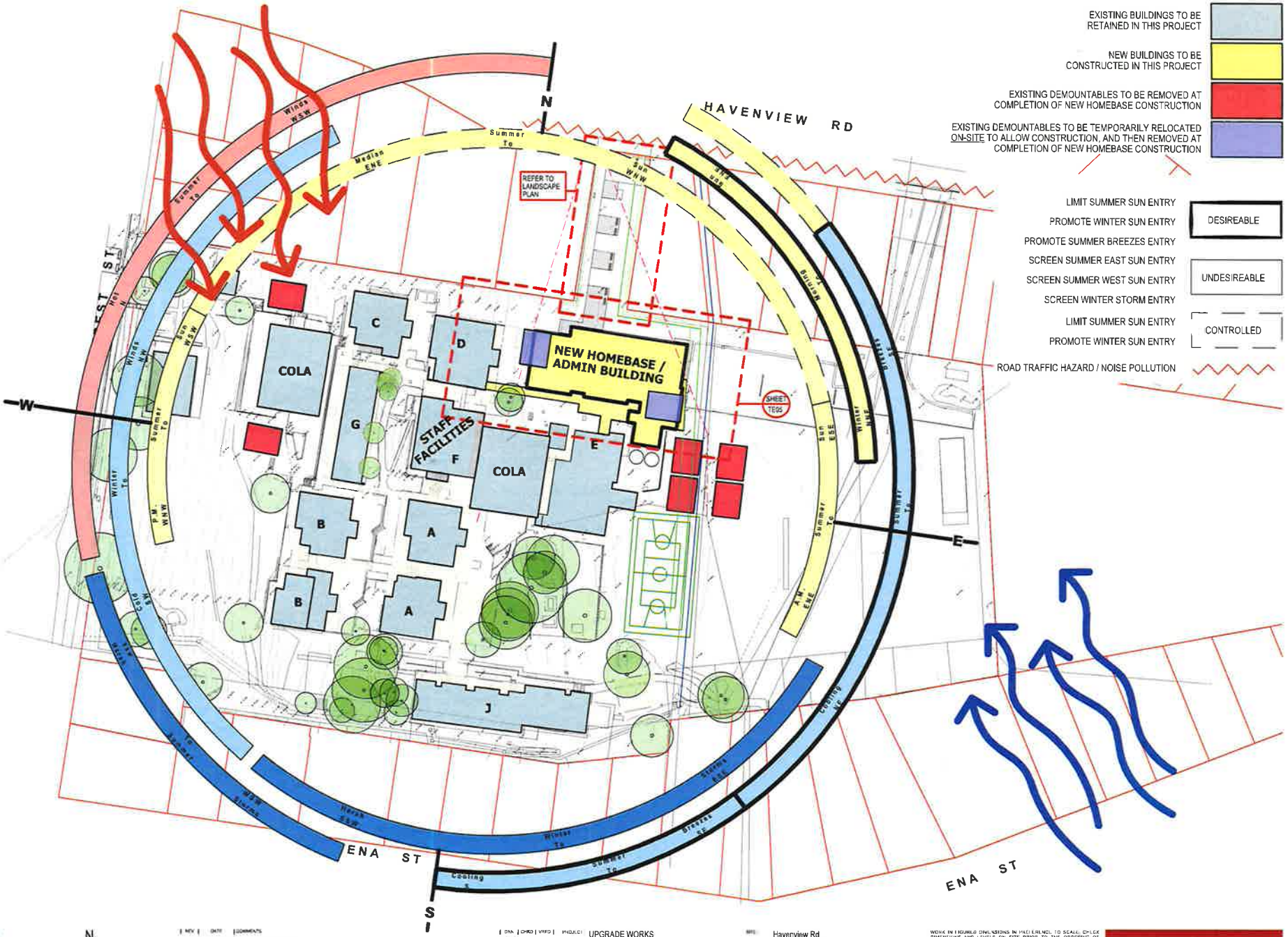
DRAWING: **SITE PLAN**

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

DRAWN	DATE	SCALE
PB	25/09/2017	1:1000@A3

PROJECT No	PHASE	DRAWING No	REV
11506	DA	TE03	12

EJE architecture



EJE ARCHITECTURE

REV	DATE	COMMENTS
01	24/08/2017	ISSUE FOR MEETING
02	5/09/2017	ISSUE FOR PRE DA REVIEW
03	7/09/2017	ISSUE FOR PRE DA REVIEW
04	25/09/2017	ISSUE FOR DA

DRN SJ
CHKD
VRFD

PROJECT: UPGRADE WORKS TERRIGAL PUBLIC SCHOOL

CLIENT: NSW GOVERNMENT Education
35 Bridge Street
SYDNEY NSW 2000

SITE: Haverview Rd
TERRIGAL NSW 2260

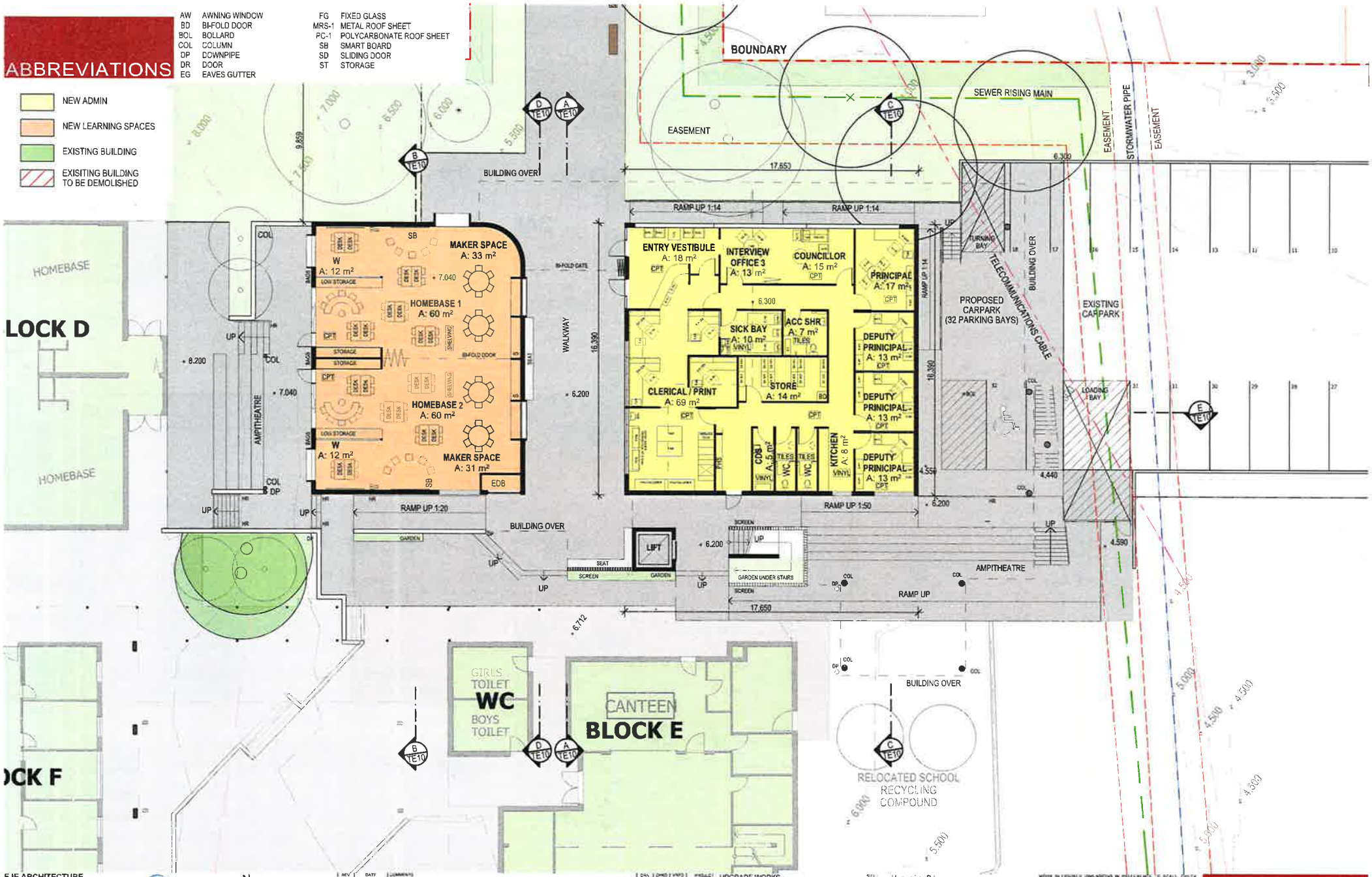
DRAWING: SITE ANALYSIS PLAN

WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

DRAWN	DATE	SCALES
PB	25/09/2017	1:1000@A3

PROJECT No	PHASE	DRAWING No	REV
11506	DA	TE04	04

EJE architecture



EJE ARCHITECTURE

REV	DATE	COMMENTS	DRN	CHKD	VRFD	APPROVED
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10	24/08/2017	ISSUE FOR MEETING	SJ			
11	5/09/2017	ISSUE FOR PRE DA REVIEW	SJ			
12	7/09/2017	ISSUE FOR PRE DA REVIEW	SJ			
13	25/09/2017	ISSUE FOR DA	SJ			

PROJECT: UPGRADE WORKS TERRIGAL PUBLIC SCHOOL

CLIENT: NSW GOVERNMENT Education
35 Bridge Street
SYDNEY NSW 2000

SITE: Havenview Rd
TERRIGAL NSW 2260

DRAWING: GROUND FLOOR PLAN

DRAWN: PB | DATE: 25/09/2017 | SCALE: 1:200@A3

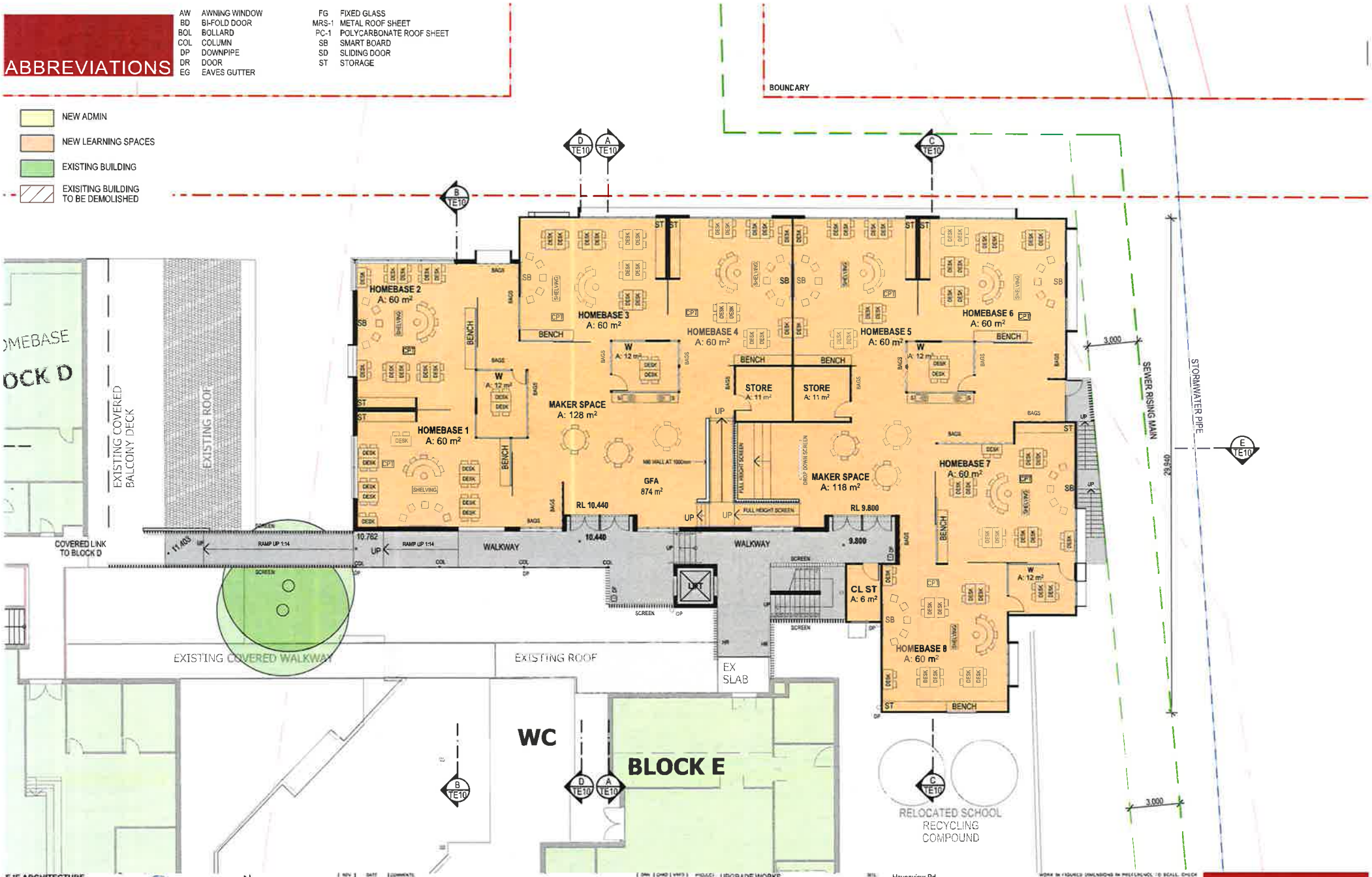
PROJECT No: 11506 | PHASE: DA | DRAWING No: TE05 | REV: 13

EJE architecture

ABBREVIATIONS

AW	AWNING WINDOW	FG	FIXED GLASS
BD	BI-FOLD DOOR	MRS-1	METAL ROOF SHEET
BOL	BOLLARD	PC-1	POLYCARBONATE ROOF SHEET
COL	COLUMN	SB	SMART BOARD
DP	DOWNPIPE	SD	SLIDING DOOR
DR	DOOR	ST	STORAGE
EG	EAVES GUTTER		

- NEW ADMIN
- NEW LEARNING SPACES
- EXISTING BUILDING
- EXISITING BUILDING TO BE DEMOLISHED



EJE ARCHITECTURE

REV	DATE	COMMENTS	DRN	CHKD	VRFD
08	24/08/2017	ISSUE FOR REVIEW	SJ		
09	24/08/2017	ISSUE FOR MEETING	SJ		
10	5/09/2017	ISSUE FOR PRE DA REVIEW	SJ		
11	7/09/2017	ISSUE FOR PRE DA REVIEW	SJ		
12	25/09/2017	ISSUE FOR DA	SJ		

PROJECT: UPGRADE WORKS
TERRIGAL PUBLIC SCHOOL

CLIENT: NSW GOVERNMENT Education
35 Bridge Street
SYDNEY NSW 2000

SITE: Haverview Rd
TERRIGAL NSW 2260

DRAWING: **FIRST FLOOR PLAN**

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

DRAWN	DATE	SCALE @
PB	25/09/2017	1:200@A3

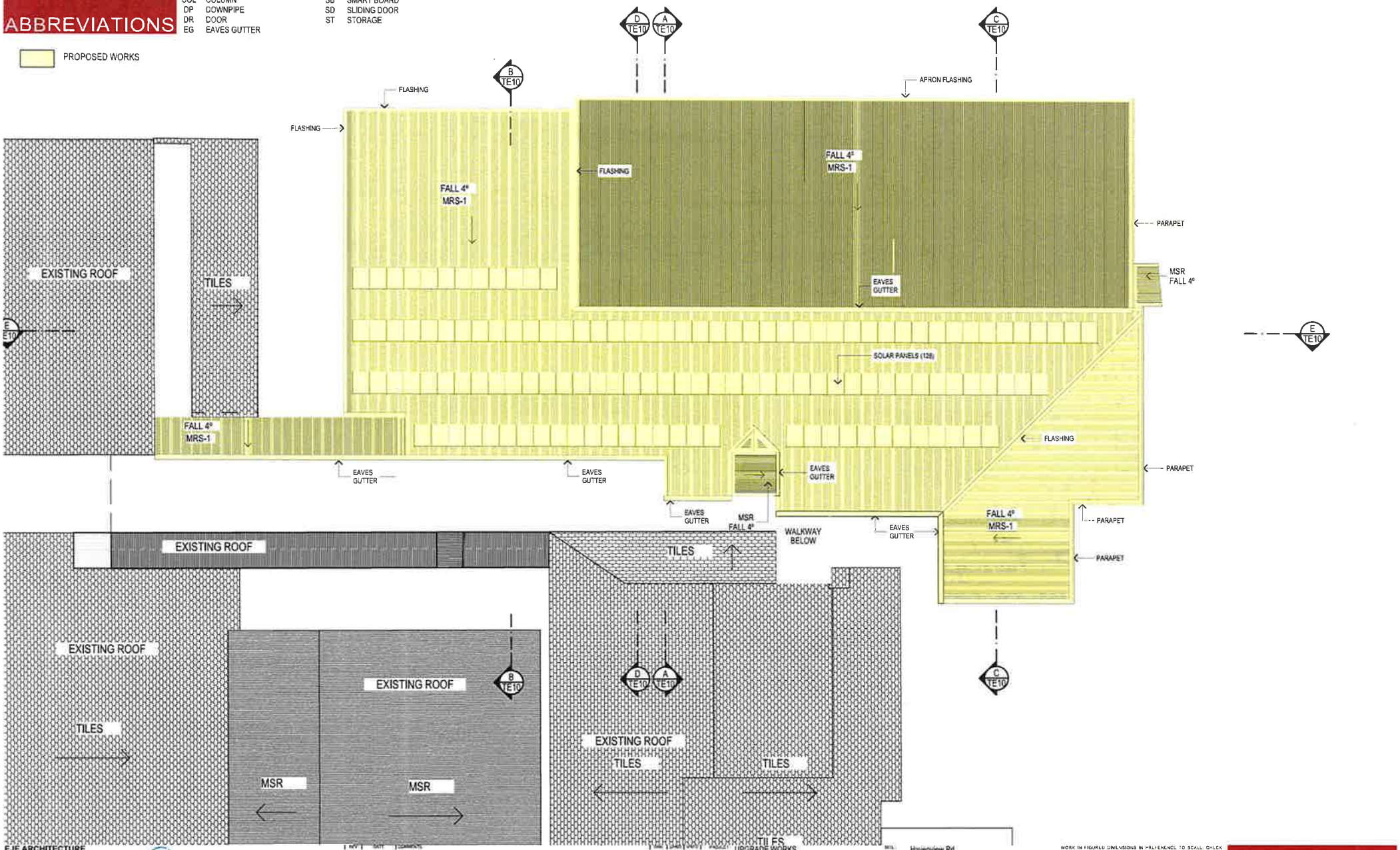
PROJECT No	PHASE	DRAWING No	REV
11506	DA	TE07	12

EJE architecture

ABBREVIATIONS

AW	AWNING WINDOW
BD	BI-FOLD DOOR
BOL	BOLLARD
COL	COLUMN
DP	DOWNPIPE
DR	DOOR
EG	EAVES GUTTER
FG	FIXED GLASS
MRS-1	METAL ROOF SHEET
PC-1	POLYCARBONATE ROOF SHEET
SB	SMART BOARD
SD	SLIDING DOOR
ST	STORAGE

PROPOSED WORKS



EJE ARCHITECTURE

ACN 002 910 940 | ABN 57 084 949 344
Nominated Architect: Bernard Collins
NSW Architects Registration 5644(3)
A 417 KING STREET NEWCASTLE NSW 2300
P +61 2 4929 2201 | F +61 2 4929 2900 | E mail@ejearchitecture.com.au | W www.ejearchitecture.com.au

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03	24/08/2017	ISSUE FOR MEETING
04	5/09/2017	ISSUE FOR PRE DA REVIEW
05	7/09/2017	ISSUE FOR PRE DA REVIEW
06	25/09/2017	ISSUE FOR DA

PROJECT: TTI ES UPGRADE WORKS
TERRIGAL PUBLIC SCHOOL

SITE: Haverview Rd
TERRIGAL NSW 2260

CLIENT: NSW GOVERNMENT | Education
35 Bridge Street
SYDNEY NSW 2000

DRAWING: **ROOF PLAN**

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

FILENAME: I:\Eje-Terrigal\EJE\PLP\11506-Eje-Terrigal-Revit-Central-Model.rvt

DRAWN	DATE	SCALE @ A3
PB	25/09/2017	1:200@A3

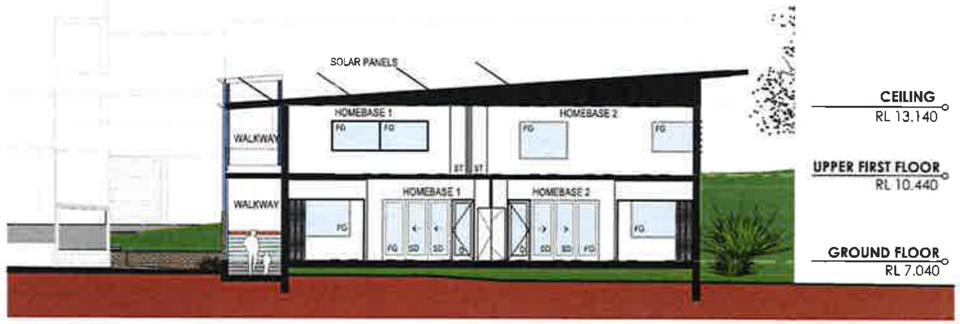
PROJECT No	PHASE	DRAWING No	REV
11506	DA	TE09	06

EJE architecture

ABBREVIATIONS

AW	AWNING WINDOW
BD	BI-FOLD DOOR
BOL	BOLLARD
COL	COLUMN
DP	DOWNPIPE
DR	DOOR
EG	EAVES GUTTER
FG	FIXED GLASS
MRS-1	METAL ROOF SHEET
PC-1	POLYCARBONATE ROOF SHEET
SB	SMART BOARD
SD	SLIDING DOOR
ST	STORAGE

SECTION A
1:200



SECTION B
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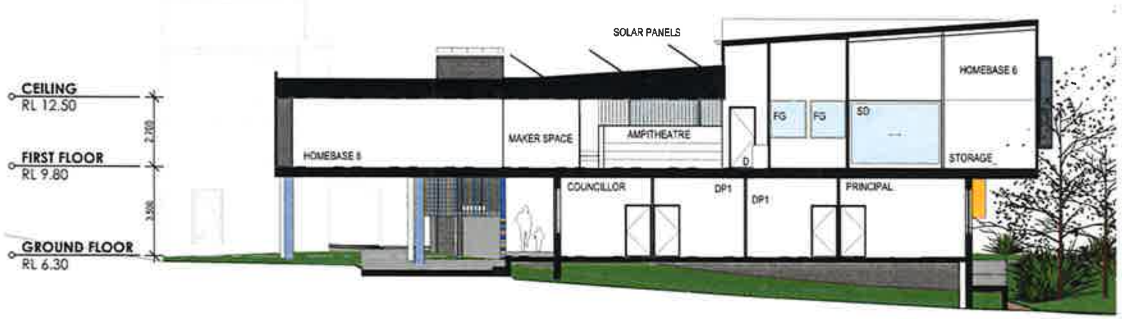

SECTION C
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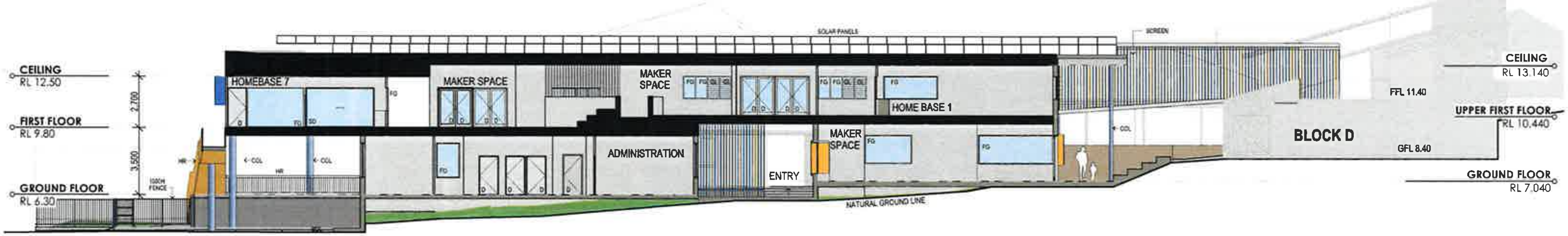
SECTION D
1:200



SECTION E
1:200

EJE ARCHITECTURE
412 KING STREET, NEWCASTLE NSW 2300

REV	DATE	COMMENTS	DRN
06	27/07/2017	ISSUE FOR PRG	SJ
07	24/08/2017	ISSUE FOR MEETING	SJ
08	5/09/2017	ISSUE FOR PRE DA REVIEW	SJ
09	7/09/2017	ISSUE FOR PRE DA REVIEW	SJ
10	25/09/2017	ISSUE FOR DA	SJ

PROJECT: UPGRADE WORKS TERRIGAL PUBLIC SCHOOL

CLIENT: NSW Government Education, 35 Bridge Street SYDNEY NSW 2000

SITE: Havenview Rd TERRIGAL NSW 2260

DRAWING: SECTIONS

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

DRAWN	DATE	SCALE
PB	25/09/2017	1:200@A3

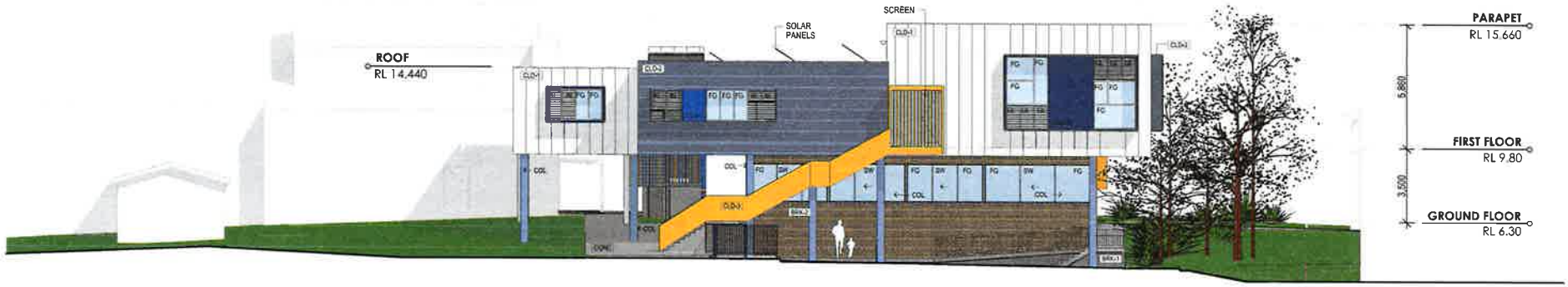
PROJECT No	PHASE	DRAWING No	REV
11506	DA	TE10	10

EJE architecture

ABBREVIATIONS

AW	AWNING WINDOW	FG	FIXED GLASS
BD	BI-FOLD DOOR	MRS-1	METAL ROOF SHEET
BOL	BOLLARD	PC-1	POLYCARBONATE ROOF SHEET
COL	COLUMN	SB	SMART BOARD
DP	DOWNPIPE	SD	SLIDING DOOR
DR	DOOR	ST	STORAGE
EG	EAVES GUTTER		

NORTH ELEVATION
1:200



EAST ELEVATION
1:200

EJE ARCHITECTURE

REV	DATE	COMMENTS
07	21/08/2017	ISSUE FOR PRG
08	24/08/2017	ISSUE FOR MEETING
09	5/09/2017	ISSUE FOR PRE DA REVIEW
10	7/09/2017	ISSUE FOR PRE DA REVIEW
11	25/09/2017	ISSUE FOR DA

DRN | CHKD | VRFD

PROJECT: UPGRADE WORKS
TERRIGAL PUBLIC SCHOOL

CLIENT: NSW GOVERNMENT Education
35 Bridge Street
SYDNEY NSW 2000

SITE: Havenview Rd
TERRIGAL NSW 2260

DRAWING: ELEVATIONS N & E

WORK IN TOUCHED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

DRAWN	DATE	SCALES
PB	25/09/2017	1:200@A3

PROJECT No.	PHASE	DRAWING No.	REV
11506	DA	TE11	11

EJE architecture

ABBREVIATIONS

AW	AWNING WINDOW	FG	FIXED GLASS
BD	BI-FOLD DOOR	MRS-1	METAL ROOF SHEET
BOL	BOLLARD	PC-1	POLYCARBONATE ROOF SHEET
COL	COLUMN	SB	SMART BOARD
DP	DOWNPIPE	SD	SLIDING DOOR
DR	DOOR	ST	STORAGE
EG	EAVES GUTTER		

SOUTH ELEVATION
1:200

WEST ELEVATION
1:200

EJE ARCHITECTURE

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03	7/09/2017	ISSUE FOR PRE DA REVIEW
04	25/09/2017	ISSUE FOR DA

DRN | CHKD | VRFD

PROJECT: UPGRADE WORKS
TERRIGAL PUBLIC SCHOOL

CLIENT: NSW GOVERNMENT Education
35 Bridge Street
SYDNEY NSW 2000

SITE: Haverview Rd
TERRIGAL NSW 2260

DRAWING: ELEVATIONS S & W

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

DRAWN	DATE	SCALE
PB	25/09/2017	1:200@A3

PROJECT No	PHASE	DRAWING No	REV.
11506	DA	TE12	04

EJE architecture

CLD-1

COLORBOND SNAPLOCK MATT - 500/38 'SURFMIST'

BRK -2

ASTRAL BRICKS - SYMMETRY 'ASPHALT'

BRK -1

ASTRAL BRICKS - URBAN ONE 'CHIFFON'

CLD-3

VITRA PANEL - 'ICE WHITE' OR SIMILAR

CLD-3

VITRA PANEL - 'MOSMAN BAY' OR SIMILAR

NORTH ELEVATION
1:200

CLD-2

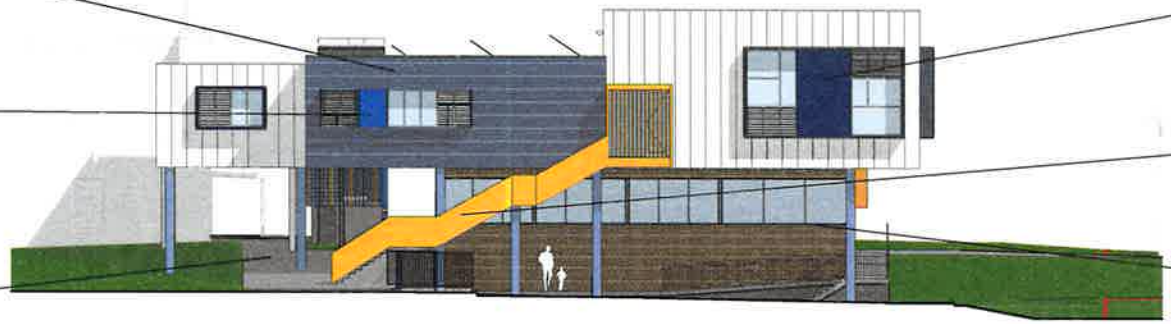
NUWALL - E200/E100 MIX (HOR) 'MATT NEW DENIM'

CLD-3

VITRA PANEL - 'BLUE WREN' OR SIMILAR

CONC

CONCRETE - FINISHES TBC



CLD-3

VITRA PANEL - 'DEEP WATER' OR SIMILAR

CLD-3

VITRA PANEL - 'RICH YELLOW'

CLD-3

VITRA PANEL - 'NORTH SKY' (TO MATCH EXISTING COLUMNS)

EAST ELEVATION
1:200

EJE ARCHITECTURE
ACN 003 012 940 | ABN 34 084 468 449
Nominated Architect : Richard Gallen
NSW Architects Registration No.4366
A: 413 King Street, Newcastle West NSW 2302
P: +61 2 4929 2251 | F: +61 2 4926 3380 | E: mail@eje.com.au | W: www.eje.com.au

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REV	DATE	COMMENTS
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02	7/09/2017	ISSUE FOR PRE DA REVIEW
03	25/09/2017	ISSUE FOR DA

DRN | CHKD | VRFD

PROJECT: UPGRADE WORKS
TERRIGAL PUBLIC SCHOOL

CLIENT: NSW Government | Education
35 Bridge Street
SYDNEY NSW 2000

SITE: Havenview Rd
TERRIGAL NSW 2260

DRAWING: **MATERIALS SELECTIONS**

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

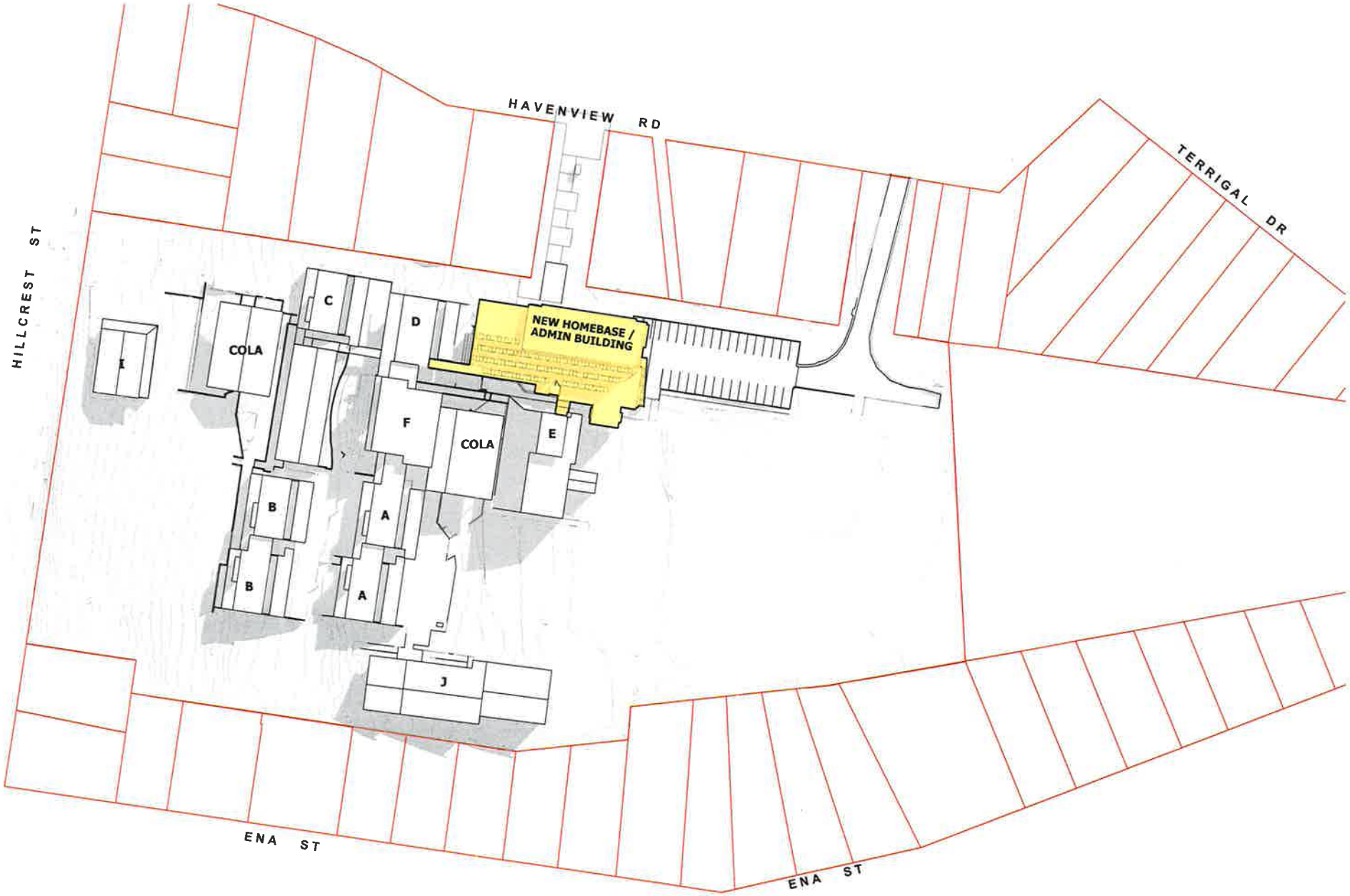
FILENAME : F:\EJA Projects\11506 Terrigal PS\11506 TE13 Materials Selections.DWG

DRAWN	DATE	SCALE
PB	25/09/2017	1:200@A3

PROJECT No.	PHASE	DRAWING No.	REV.
11506	DA	TE13	03

EJE architecture

PROPOSED WORKS



Jun-21-9am
1:1000

EJE ARCHITECTURE
ACN 002 952 842 | ABN 12 641 643 842
Nominated Architect: Bernard Collins
NSW Architects Registration 1142
4 King Street, Newcastle NSW 2300
P +61 2 4929 2333 | F +61 2 4929 3229 | E mail@eje.com.au | W www.eje.com.au

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REV	DATE	COMMENTS
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02	7/09/2017	ISSUE FOR PRE DA REVIEW
03	25/09/2017	ISSUE FOR DA

DRN	CHKD	VRFD
##	SS	GS
##	SS	GS
##	SS	GS

PROJECT: UPGRADE WORKS
TERRIGAL PUBLIC SCHOOL

CLIENT: NSW GOVERNMENT | Education
35 Bridge Street
SYDNEY NSW 2000

SITE: Havenview Rd
TERRIGAL NSW 2260

DRAWING: **SHADOW DIAGRAM JUNE 21, 9am**

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

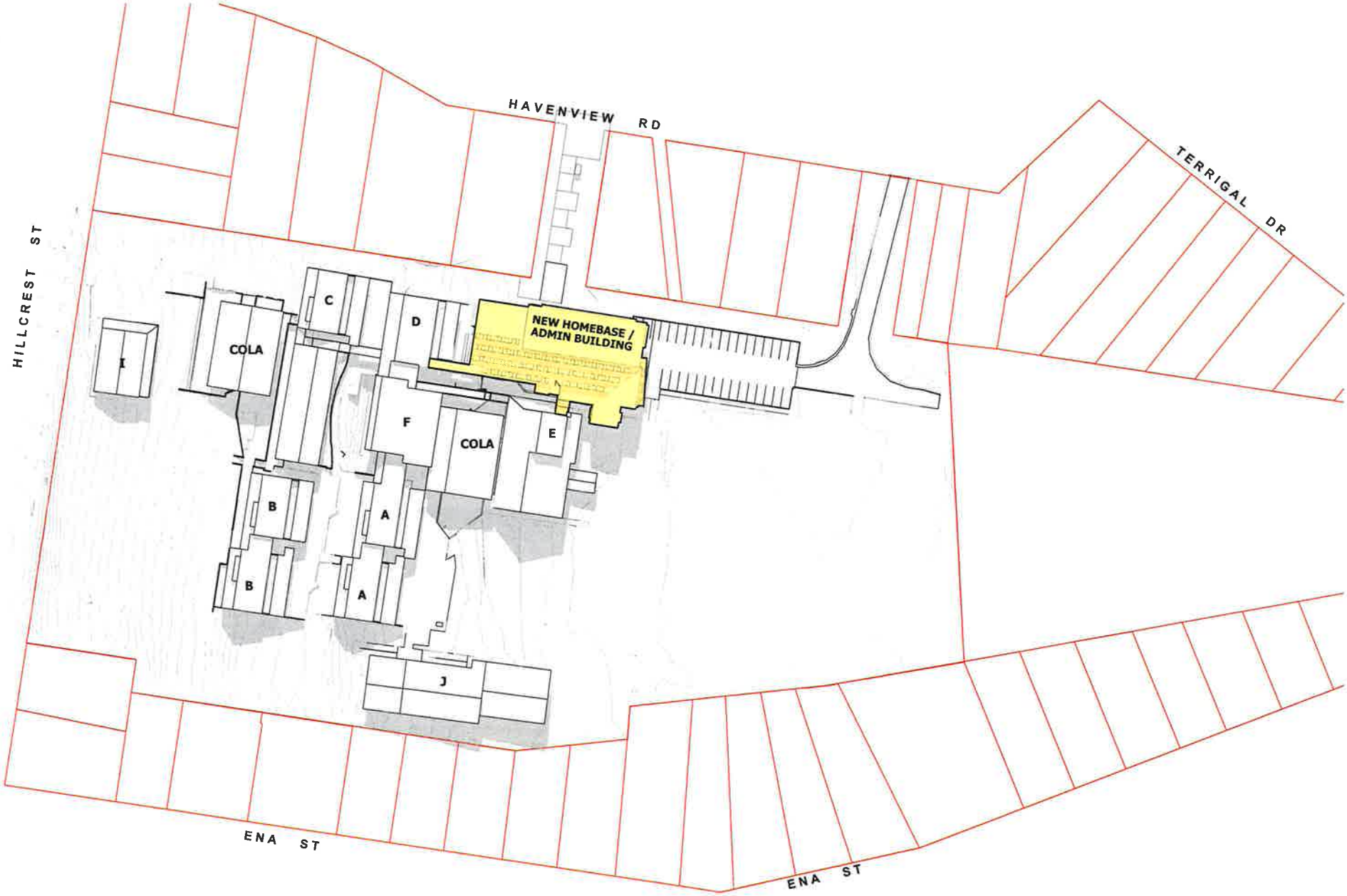
FILENAME: [illegible]

DRAWN	DATE	SCALE
PB	25/09/2017	1:1000@A3

PROJECT No	PHASE	DRAWING No	REV
11506	DA	TE23	03

EJE architecture

PROPOSED WORKS



Jun-21-12 Noon
1:1000

EJE ARCHITECTURE

REV	DATE	COMMENTS
01	5/09/2017	ISSUE FOR PRE DA REVIEW
02	7/09/2017	ISSUE FOR PRE DA REVIEW
03	25/09/2017	ISSUE FOR DA

DRN	CHKD	VRFD
##	SS	GS
##	SS	GS
##	SS	GS

PROJECT: UPGRADE WORKS
TERRIGAL PUBLIC SCHOOL

CLIENT: NSW GOVERNMENT Education
35 Bridge Street
SYDNEY NSW 2000

SITE: Havenview Rd
TERRIGAL NSW 2260

DRAWING: **SHADOW DIAGRAM JUNE 21, 12 Noon**

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

DRAWN	DATE	SCALES
PB	25/09/2017	1:1000@A3

PROJECT No	PHASE	DRAWING No	REV
11506	DA	TE24	03

EJE architecture

PROPOSED WORKS

HAVENVIEW RD

TERRIGAL DR

HILLCREST ST

NEW HOMEBASE / ADMIN BUILDING

COLA

C

D

I

F

COLA

E

B

A

B

A

J

ENA ST

ENA ST

Jun-21-3pm
1:1000

EJE ARCHITECTURE

COMPLETION OF THE QUALITY ASSURANCE CHECKS IS VERIFICATION THAT THE DOCUMENT CONFORMS WITH THE REQUIREMENTS OF THE QUALITY PROJECT PLAN, WHERE THE QUALITY ASSURANCE CHECK IS NEGLIGIBLE THE DOCUMENT IS PRELIMINARY FOR INFORMATION PURPOSES ONLY OR SUCH PURPOSES AS STATED IN THE REVISION COLUMN.

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REV	DATE	COMMENTS	DRN	CHKD	APVD
01	5/09/2017	ISSUE FOR PRE DA REVIEW	##	SS	GS
02	7/09/2017	ISSUE FOR PRE DA REVIEW	##	SS	GS
03	25/09/2017	ISSUE FOR DA	##	SS	GS

PROJECT: UPGRADE WORKS
TERRIGAL PUBLIC SCHOOL

CLIENT: NSW GOVERNMENT Education
35 Bridge Street
SYDNEY NSW 2000

SITE: Havenview Rd
TERRIGAL NSW 2260

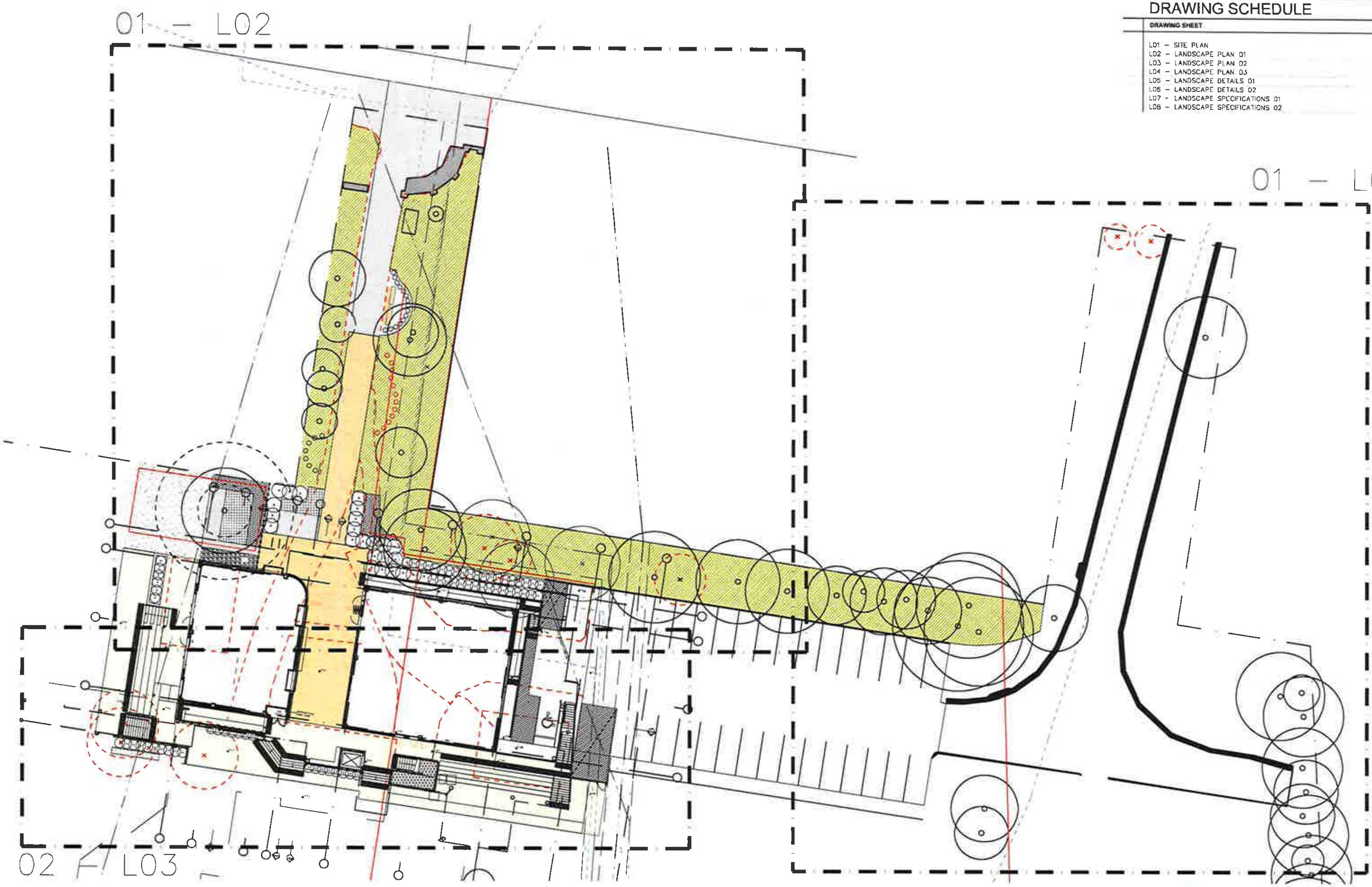
DRAWING: **SHADOW DIAGRAM JUNE 21, 3pm**

WORK IN FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS AND LEVELS ON SITE PRIOR TO THE ORDERING OF MATERIALS OR THE COMPLETION OF WORKSHOP DRAWINGS. IF IN DOUBT ASK. REPORT ALL ERRORS AND OMISSIONS.

DRAWN	DATE	SCALE
PB	25/09/2017	1:1000@A3

PROJECT No.	PHASE	DRAWING No.	REV
11506	DA	TE25	03

EJE architecture



DRAWING SCHEDULE

DRAWING SHEET	REVISION
L01 – SITE PLAN	H
L02 – LANDSCAPE PLAN 01	I
L03 – LANDSCAPE PLAN 02	E
L04 – LANDSCAPE PLAN 03	D
L05 – LANDSCAPE DETAILS 01	F
L06 – LANDSCAPE DETAILS 02	C
L07 – LANDSCAPE SPECIFICATIONS 01	C
L08 – LANDSCAPE SPECIFICATIONS 02	E

rev no:	date:	comments:	by:	verified:
G	02.03.18	REVISED TENDER ISSUE	GF	PW
F	28.02.18	REVISED TENDER ISSUE	GF	PW
E	23.02.18	REVISED TENDER ISSUE	GF	PW
D	01.02.18	REVISED TENDER ISSUE	GF	PW
C	30.01.18	ISSUE FOR RFI COORDINATION	GF	PW
B	15.01.18	ISSUE FOR TENDER	GF	PW
A	27.10.17	PRELIMINARY ISSUE FOR TENDER	GF	PW
H	05.04.18	REVISED TENDER ISSUE	KH	PW

PROJECT:
TERRIGAL PUBLIC SCHOOL

CLIENT:
NSW GOVERNMENT EDUCATION

SITE:
HAVENVIEW ROAD, TERRIGAL

DRAWING:
SITE PLAN

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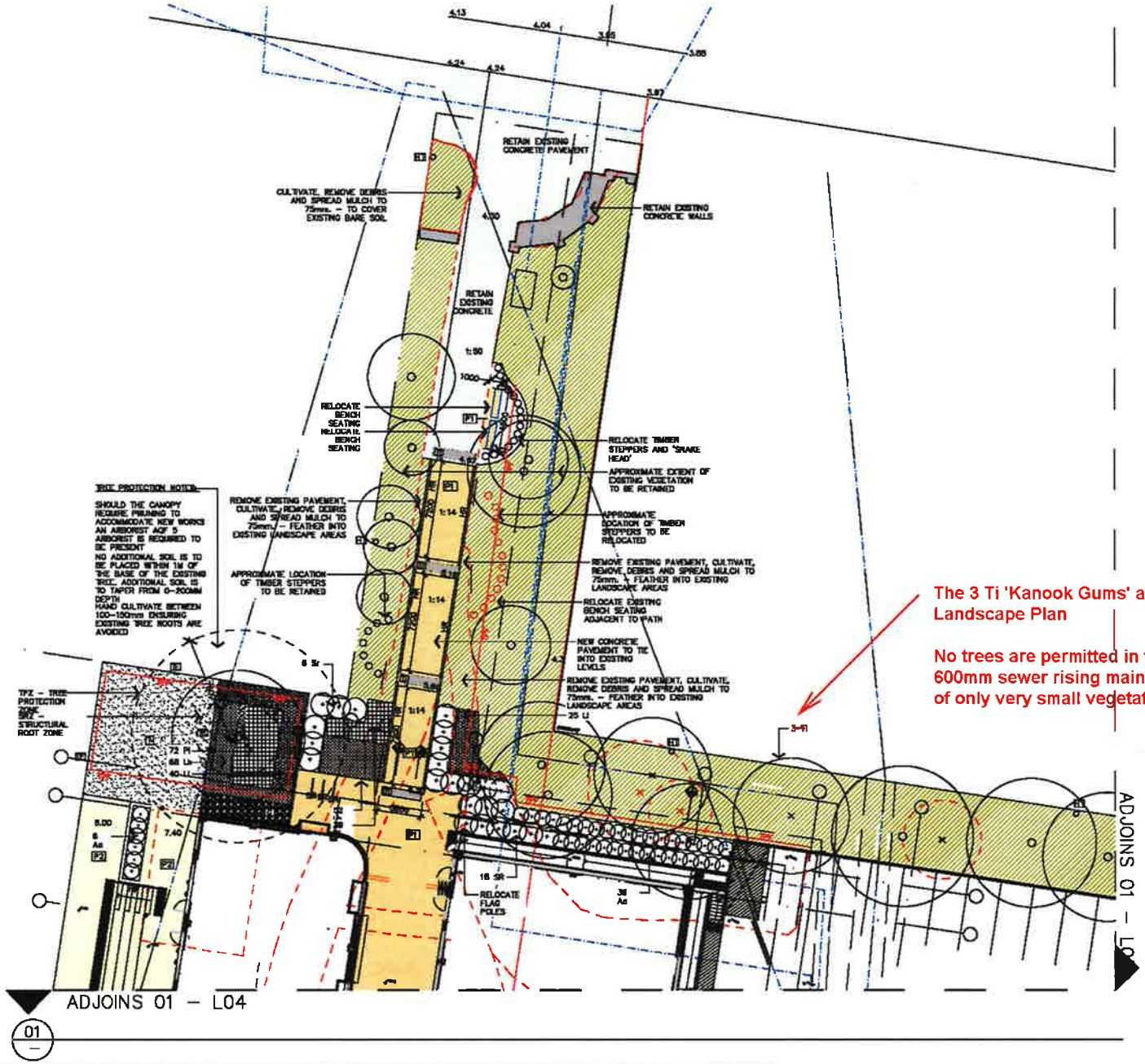
WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.

drawn:	scale:	no in set:	date:
GF	1:400 @A3	1/8	04.04.18

phase	project no:	DWG no:	revision no:
TENDER	11506.5	L01	H



The 3 Ti 'Kanook Gums' are deleted from the Landscape Plan

No trees are permitted in the vicinity of the 600mm sewer rising main. Plantings to consist of only very small vegetation, like grasses.

LEGEND

- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED
- NEW TREES REFER TO PLANT SCHEDULE
- NEW SHRUBS REFER TO PLANT SCHEDULE
- MASS PLANTING REFER TO PLANT SCHEDULE
- EXISTING PLANTING TO BE RETAINED
- TURF
- P1: PAVING TYPE 1 COLOURED CONCRETE (APOLLO)
- P2: PAVING TYPE 2 COLOURED CONCRETE (PEBBLE)
- Ti: TACTILE INDICATOR REFER SCHEDULE
- TPF: TREE PROTECTION FENCE REFER DETAIL
- HR: HAND RAIL REFER SCHEDULE
- F1: NEW SECURITY FENCE REFER SCHEDULE
- TE: TIMBER EDGE REFER TO SCHEDULE OF MATERIALS
- HT: HOSE TAP REFER TO HYDRAULICS
- BR: BIKE RACK REFER TO SPECIFICATIONS

rev no:	date:	comments:	by:	verified:	rev no:	date:	comments:	by:	verified:
U	28.02.18	REVISED TENDER ISSUE	GF	PW					
T	23.02.18	REVISED TENDER ISSUE	GF	PW					
E	01.02.18	REVISED TENDER ISSUE	GF	PW					
D	30.01.18	ISSUE FOR RM COORDINATION	GF	PW					
C	19.01.18	ISSUE FOR TENDER	GF	PW					
B	11.10.17	PRELIMINARY ISSUE FOR TENDER	GF	PW	H	04.04.18	REVISED TENDER ISSUE	KH	PW
A	27.10.17	PRELIMINARY ISSUE FOR TENDER	GF	PW		02.03.18	REVISED TENDER ISSUE	GF	PW

PROJECT: TERRIGAL PUBLIC SCHOOL

SITE: HAVENVIEW ROAD, TERRIGAL

CLIENT: NSW GOVERNMENT EDUCATION

DRAWING: LANDSCAPE PLAN 01

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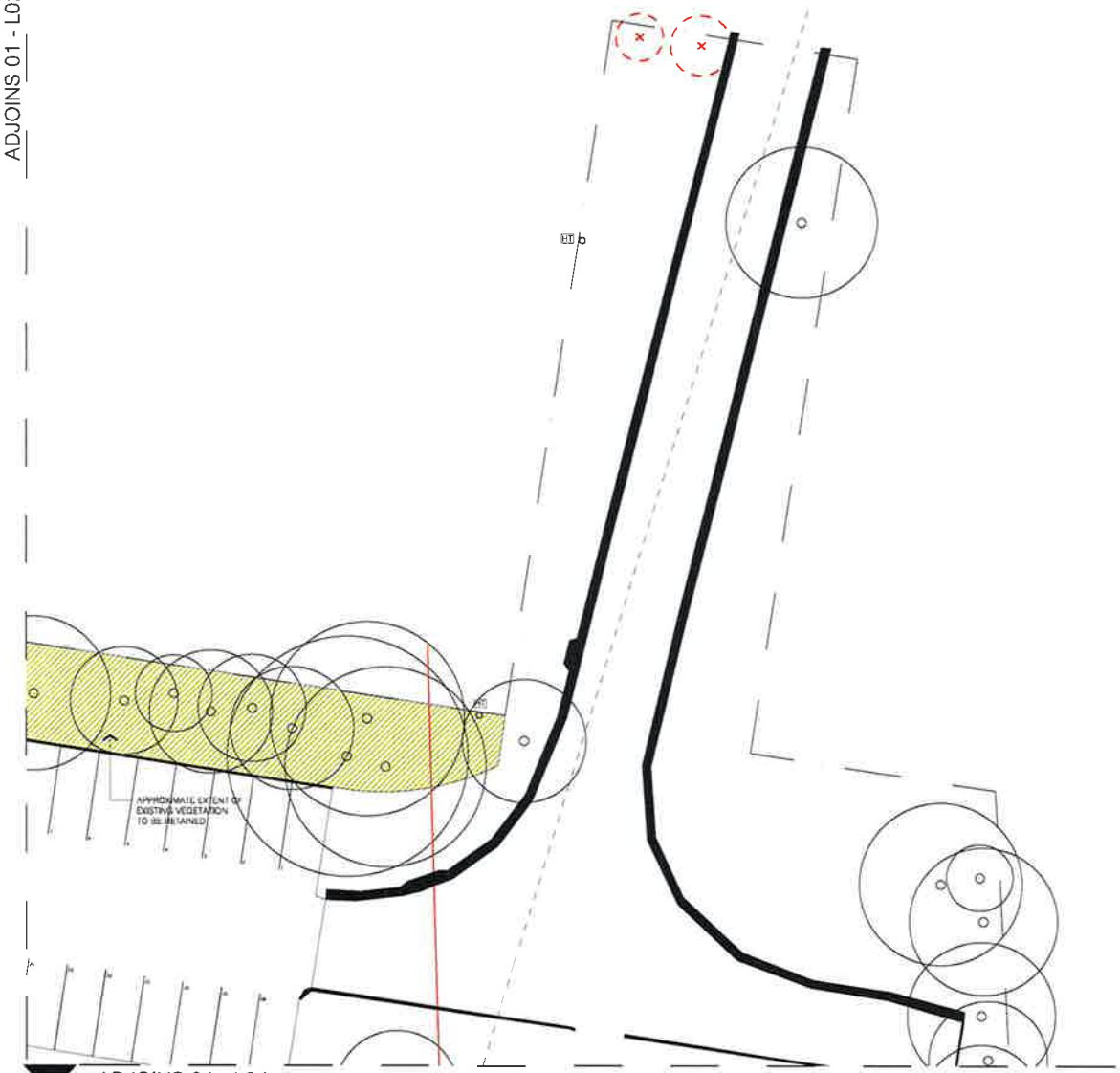
WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK OR MANUFACTURE OF COMPONENTS

drawn:	scale:	sheet size:	date:
GF	1:200 @A3	2/6	04.04.18

phase:	project no:	drawing no:	revision no:
TENDER	11606.5	L02	I

ADJOINS 01 - L02



ADJOINS 01 - L04

01
-

LEGEND

- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED
- NEW TREES REFER TO PLANT SCHEDULE
- NEW SHRUBS REFER TO PLANT SCHEDULE
- MASS PLANTING REFER TO PLANT SCHEDULE
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rev no:	date:	comments:	by:	verified:	rev no:	date:	comments:	by:	verified:
E	28.02.18	REVISED TENDER ISSUE	GF	PW					
D	01.02.18	REVISED TENDER ISSUE	GF	PW					
C	30.01.18	ISSUE FOR RFI COORDINATION	GF	PW					
B	16.01.18	ISSUE FOR TENDER	GF	PW					
A	27.10.17	PRELIMINARY ISSUE FOR TENDER	GF	PW					

PROJECT:
TERRIGAL PUBLIC SCHOOL

CLIENT:
NSW GOVERNMENT EDUCATION

SITE:
HAVENVIEW ROAD, TERRIGAL

DRAWING:
LANDSCAPE PLAN 02

address: 412 King street newcastle nsw 2300 ph: 49 294 928 fax: 49 293 089 www.terras.com.au

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WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.

drawn:	scale:	no in set:	date:
GF	1:300 @A3	3/8	28.02.18

phase:	project no:	DWG no:	revision no:
TENDER	11506.5	L03	E

LEGEND

- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED
- NEW TREES REFER TO PLANT SCHEDULE
- NEW SHRUBS REFER TO PLANT SCHEDULE
- MASS PLANTING REFER TO PLANT SCHEDULE
- EXISTING PLANTING TO BE RETAINED
- TURF
- P1: PAVING TYPE 1 COLOURED CONCRETE (APOLLO)
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- TI: TACTILE INDICATOR REFER SCHEDULE
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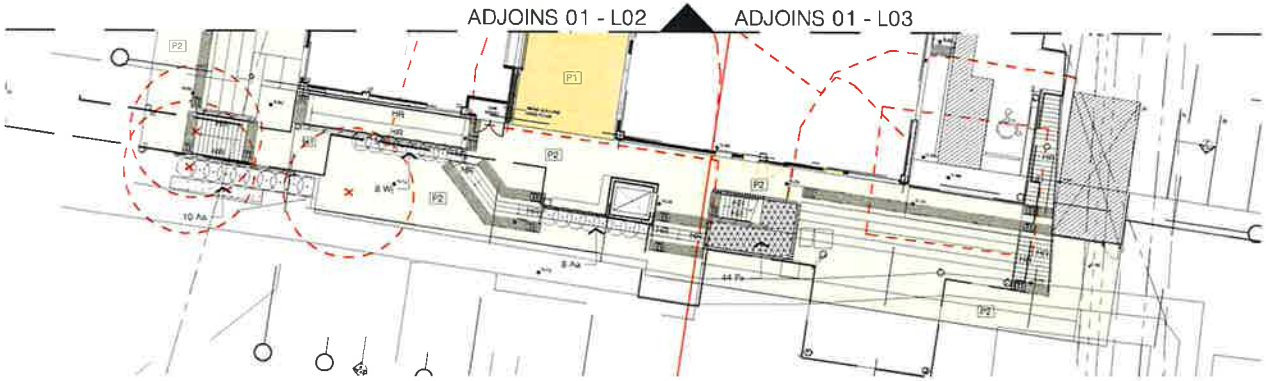
- HR: HR: HAND RAIL REFER SCHEDULE
- F1: F1: NEW SECURITY FENCE REFER SCHEDULE
- TE: TE: TIMBER EDGE REFER TO SCHEDULE OF MATERIALS
- HT: HT: HOSE TAP REFER TO HYDRAULICS
- BR: BR: BIKE RACK REFER TO SPECIFICATIONS



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rev no:	date:	comments:	by:	verified:
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B	16.01.18	ISSUE FOR TENDER	GF	PW
A	27.10.17	PRELIMINARY ISSUE FOR TENDER	GF	PW

rev no:	date:	comments:	by:	verified:

PROJECT:
TERRIGAL PUBLIC SCHOOL

CLIENT:
NSW GOVERNMENT EDUCATION

SITE:
HAVENVIEW ROAD, TERRIGAL

DRAWING:
LANDSCAPE PLAN 03

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WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.

drawn:	scale:	no in set:	date:
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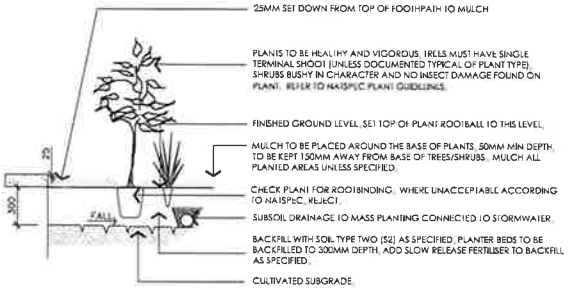
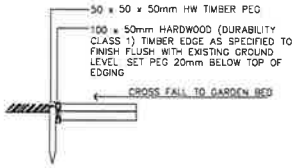
phase:	project no:	DWG no:	revision no:
TENDER	11506.5	L04	D



D1 INDIVIDUAL IN MASS PLANTING
Typical detail Scale 1:20



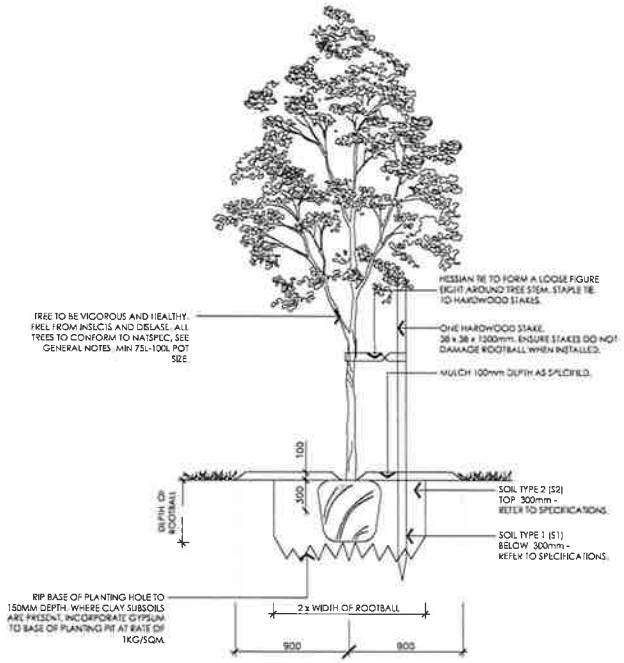
D2 TIMBER EDGE
Typical Section Scale 1:20

PLANT SCHEDULE

All trees supplied are to comply with AS 2303 Tree stock for landscape use - 2015

ABV	BOTANICAL NAME	COMMON NAME	HEIGHT	POT SIZE	SPACING	QTY.
	TREES					
Ti	Tristaniopsis laurina	Kanooka Gum	12 x 5m	100L	as shown	3
	SHRUBS					
Ag	Acmena 'Allyn Magic'	Allyn Magic	1.2m	5L	as shown	50
Sr	Syzygium 'Resilience'	Resilience	3m	5L	as shown	24
Wl	Westringia 'Jervis Gem'	Coastal Rosemary	1.2m	5L	as shown	8
	MASS PLANTING					
Ll	Lomandra 'Hystrix'	Hystrix	0.7m	2.5L	4/m2	120
Ll	Lomandra longifolia	Mat Rush	1m	2.5L	2/m2	65
Px	Philodendron 'Xanadu'	Xanadu	0.8m	2.5L	4/m2	44
Pl	Poa labillardieri	Tussock Grass	0.9m	2.5L	4/m2	121

This schedule shall be read in conjunction with the landscape plans. Refer to the written specification for further information. The contractor shall check the schedule with the quantities shown on the drawing. Quantities shown in the plant schedule shall take precedence over quantities shown on the drawing. Refer all discrepancies, should they exist, to the superintendent before planting works commences. Order plants as soon as the head contract for the works has been let. Do not make substitutions unless approved in writing.



D3 TREE IN TURF
Section & Plan Scale 1:20

rev no:	date:	comments:	by:	verified:	rev no:	date:	comments:	by:	verified:
F	04.04.18	REVISED TENDER ISSUE	GF	PW					
E	01.03.18	REVISED TENDER ISSUE	GF	PW					
D	28.02.18	REVISED TENDER ISSUE	GF	PW					
C	01.02.18	REVISED TENDER ISSUE	GF	PW					
B	30.01.17	ISSUE FOR RFT COORDINATION	GF	PW					
A	16.01.17	ISSUE FOR TENDER	GF	PW					

PROJECT: TERRIGAL PUBLIC SCHOOL
CLIENT: NSW GOVERNMENT EDUCATION
SITE: HAVENVIEW ROAD, TERRIGAL
DRAWING: LANDSCAPE DETAILS 01

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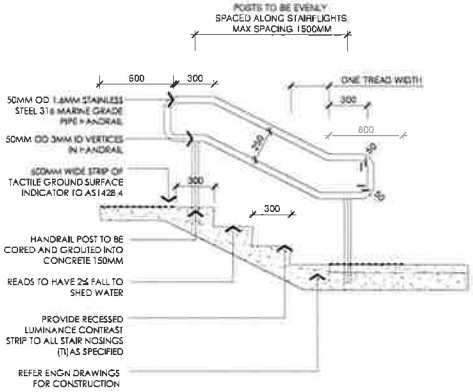
WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.

drawn:	scale:	date:
GF	AS SHOWN @A3	5/8 04.04.18

phase	project no:	DWG no:	revision no:
TENDER	11506.5	L05	F



NOTE:
STAINLESS STEEL TO BE 316 MARINE GRADE ALL WELDS & HEATED AREAS TO BE POLISHED FINISH ALL COMPLETED WORKS TO BE PASSIVATED TO MAINTAIN STAINLESS STEEL FINISH

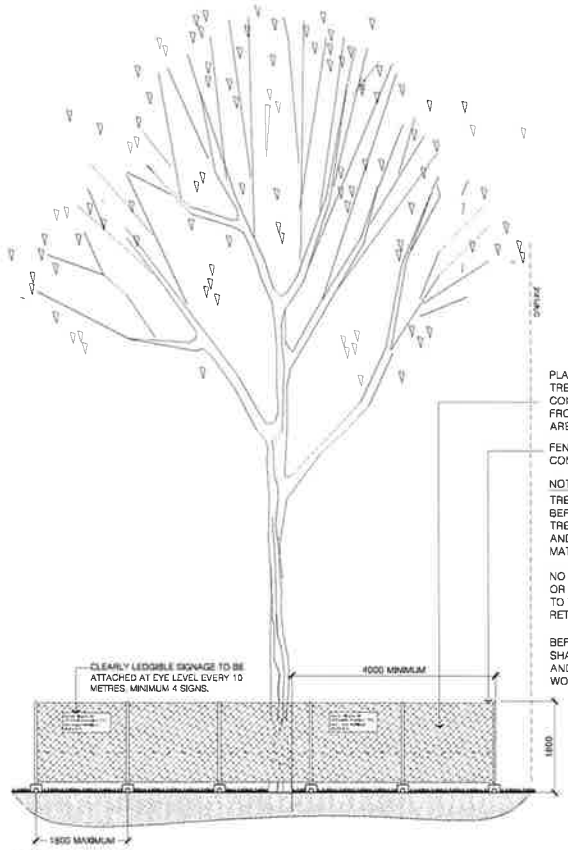
BALUSTRADE TO TAKE LOADING FORCES IN ACCORDANCE WITH AS 1170.1 ALL WELDING IN ACCORDANCE WITH AS 1554.6:1994 & AS 2205.10.1-1997 ALL ENDS TO BE SEALED WITH DOMED CAPPING.

POSTS TO BE KEPT A MINIMUM OF 75MM FROM ANY CONCRETE EDGE TO AVOID CONCRETE SPLITTING.

PROVIDE A LUMINANCE CONTRASTING (30%) STRIP, NOT LESS THAN 50MM AND NOT MORE THAN 75MM DEEP ACROSS THE FULL WIDTH OF THE NOSING AT EACH STEP. IF NOT SET BACK A MINIMUM OF 15MM FROM THE FRONT OF THE NOSING ENSURE THE STRIP EXTENDS DOWN THE RISER NO MORE THAN 10MM. AS 1428.1:2009 CL. 11.1(F) & (G)

TI TO HAVE LUMINANCE CONTRASTING (60%) TO INSTALLATION SURFACE AND MEET AS1428.4 - DESIGN FOR ACCESS AND MOBILITY & AS4586 - SLIP RESISTANCE CLASSIFICATION FOR NEW PEDESTRIAN SURFACE MATERIALS

D1 TYPICAL EXTERNAL STAIR DETAIL
SECTION — Scale 1:40



PLACE PROTECTIVE FENCING AROUND ALL TREES TO BE RETAINED WITHIN THE CONSTRUCTION ZONE A MINIMUM OF 4000mm FROM THE TRUNK OR AS INDICATED BY ARBORIST

FENCING TO BE FREE STANDING TEMPORARY CONSTRUCTION FENCING.

NOTES:
TREE PROTECTION FENCING SHALL BE IN PLACE BEFORE ANY OTHER SITE WORK IS UNDERTAKEN TREE PROTECTION FENCE MUST BE STRONG AND VISIBLE. POST NOTICES TO KEEP VEHICLES, MATERIALS AND PEOPLE OUT.

NO MATERIAL STOCKPILES ARE TO BE STORED OR PLANT / MACHINERY TRAFFIC AND PARKING IS TO TAKE PLACE WITHIN THE DRIPLINE OF RETAINED TREES.

BEFORE WORK BEGINS THE RETAINED TREES SHALL BE INSPECTED BY A QUALIFIED ARBORIST AND ANY REQUIRED PRUNING AND ANCILLARY WORK CARRIED OUT

D2 TREE PROTECTIVE FENCING (TPF)
Typical Section — Scale 1:100

rev no:	date:	comments:	by:	verified:	rev no:	date:	comments:	by:	verified:
C	01.02.18	REVISED TENDER ISSUE	GF	PW					
B	30.01.17	ISSUE FOR TENDER	GF	PW					
A	16.01.17	ISSUE FOR TENDER	GF	PW					

PROJECT:
TERRIGAL PUBLIC SCHOOL

SITE:
HAVENVIEW ROAD, TERRIGAL

CLIENT:
NSW GOVERNMENT EDUCATION

DRAWING:
LANDSCAPE DETAILS 02

terras landscape architects

WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.

drawn:	scale:	no in set:	date:
GF	AS SHOWN @A3	6/8	01.02.17

phase:	project no:	DWG no:	revision no:
TENDER	11506.5	L06	C

1.0 GENERALLY

1.1 GENERAL
All landscape works shall be carried out by a person or business eligible for membership with the Landscape Contracter Association of NSW or comparable trade organisation. The Contractor shall allow for all restriction to his operations caused as a result of other contractors, likely damage to existing structures, fences, retaining walls, pavements, services or other improvements either within or outside the site. The Contractor shall be responsible for ensuring that full and adequate protection from damage shall be provided to all finished surfaces and material subject to staining or other disfigurement, and shall be responsible for making good all damages and disfigurement.
Check with engineers drawings when available to see extent of earthwork, drainage, changes in and location of services, coordinated works as required.
Making good shall apply to any are affected by the contractor that does not form part of the trial works and shall include but not be limited to the contractors compound, stockpile areas, sedimentation and erosion control measures etc. Making good shall require the contractor to repair any damage and/or return disturbed areas to a pre-construction state and may involve some or all of the following:
Removing all contractor's structures (eg. site sheds), fences, barriers, unused or unwanted materials; Removing contaminants and affected ground;
Returning levels to existing;
Decompaction;
Ripping;
Spreading topsoil
Resurfacing (including turfing and revegetation).

1.2 ORDERING
REQUIREMENT: Within 14 days of the date of acceptance of tender, furnish proof of ordering the required materials, and advise immediately if any supply difficulties are encountered. Ensure Substitutions shall not be approved unless accepted in writing by the supervisor. The plant schedule shall be the accepted document for plant quantities and sizes to be used for the project. Where discrepancies arise between the drawings and the plant schedule seek clarification from the supervisor as soon as practicable.

1.3 WORK NEAR TREES
PROTECTION: Protect trees to be retained from damage as per AS 4970 - 2009. Take necessary precautions. Do not store or otherwise place bulk materials and harmful materials under or near trees. Do not place spoil from excavations against tree trunks, even for short periods. Prevent damage to tree bark. Do not attach slays, guys and the like to trees. Avoid compaction of the ground under trees. Refer Tree Protection Detail.
WORK UNDER TREES: Do not add or remove topsoil within the drip line, use hand methods such that root systems are preserved intact and undamaged. Open up excavations under tree canopies for as short a period as possible.
ROOTS: Where it is necessary to cut tree roots, use means such that the cutting does not unduly disturb the remaining root system.
DAMAGES: Any damage to trees to be retained will be attended to by a qualified arborist who will prepare a report covering rectification works. Submit report to supervisor for approval. Conduct remedial works as required including removal and replacement if so recommended. All costs to be borne by the contractor.

1.4 INSPECTION
The contractor must notify the Superintendent prior to commencement of stages of work. Refer Section 4 of specifications. Contractor shall be required to amend / alter any works completed without hold points reviewed.

1.5 STANDARDS
REFERENCED DOCUMENTS:
AS 4419 Soils for landscaping and garden use - 2003
AS 4454 Composts, soil conditioners and mulches - 2003
AS 4970 Protection of trees on development sites - 2009
AS 3500 Plumming and drainage - 2013
AS 2439.1 Perforated plastics drainage - 2007
AS 2303 Tree stock for landscape use - 2015

1.6 SAMPLES
PLANTS: All plants shall be made available for inspection on site or at local nursery. The entire material represented may be rejected, except of plants with a correctable defect subject to satisfactory treatment.
TREES SHALL COMPLY AS 2303 TREE STOCK FOR LANDSCAPE USE 2015
BULK MATERIALS: 2 kg sample of each type specified. Submit bulk material samples, not less than 2 working days before bulk deliveries.
INSPECTION OF TREES:
Timing: Trees may be inspected before shipment.
Partial sampling: Expose a small section of the rootball, by washing, sufficient to permit inspection of root development from the stem to the outer extremity. After inspection, carefully replace soil.
Root systems: Root systems may be inspected using partial sampling at the following rates:
- <20 trees: 1 tree sampled
Forward order contracts: Submit regular reports in writing to the contract administrator. Include checks against specification requirements, and current photographs.
-Inspection frequency: 3 months
-Report frequency: 3 months.
Compliance
General: Non-compliance may lead to rejection of the entire batch.
Substitution: If non-complying trees are proposed, submit proposal in writing to the contract administrator. Only written approvals of substitution are recognised. Submit a copy of the written approval of substitution with the non-complying trees.
Holding proposals
General: Submit proposals in writing to the contract administrator for proposed methods for holding trees beyond specified dates so that trees will continue to comply.
Shipment
Responsibility: Landscape Contractor.

1.7 WEEDS
Eradicate weeds by environmentally acceptable methods using a non-residual glyphosate herbicide at the manufacturer's recommended rates. Regularly remove, by hand, rubbish and weed growth that may occur or recur throughout grassed, planted and mulched areas. Continue eradication throughout the course of the works and during the Planting Establishment Period so that a weed free area is established at completion of the establishment period.

1.8 EXISTING SERVICES
Existing services on site may include but not limited to storm water drainage, water, and associated power service conduits. Locations of all services should be established prior to excavation and cultivation of planting beds and installation of trees etc. Do not excavate by machine within 1m of existing underground services without prior approval or identification of service locations.
Services locations where shown are approximate only, the true location of actual in ground services must be determined by the contractor on site.

1.9 SETOUT AND DIMENSIONS
Critical design dimensions shall be obtained by the landscape contractor by survey before commencing work. Check engineerss drawings where available to determine extent of earthworks, structures.

2.0 SOILS

2.1 SUBSOIL PREPARATION
CULTIVATION: Cultivate bases of planting holes and beds 150mm, do not use augers unless followed with cultivation of sides and base. Do not disturb services or tree roots; if necessary cultivate these areas by hand. Cultivate manually within 300 mm of paths or structures. Remove stones exceeding 25 mm, clods of earth exceeding 50 mm, and any weeds, rubbish or other deleterious material brought to the surface during cultivation. Trim the surface to the required design levels after cultivation.

2.2 SUBSOIL ADDITIVES
ADDITIVES: Apply required additives to stockpiled site topsoil as required by soil tests if scheduled in this specification. GYPSUM Provide 150g/m.sq gypsum to base of all tree planting locations unless otherwise approved.

2.3 SOIL
DEFINITIONS: [From AS 4419 - 2003, Soils for landscaping and garden use]
Imported Soils
TYPE 01 General purpose soil: (BELLOW 300MM) — A soil which is suitable for the growing of domestic plants.
Type: Equal to AS 4419-2003 'Soil Blend' with max 5% organic matter content
Texture: Equal to AS 4419-2003 Table L1 Sandy Loam.
TYPE 02 Premium garden soil: (TOP 300MM) — A general purpose soil that contains additional organic matter [min 10% OM]
Type: Equal to AS 4419-2003 'Organic Soil' with min 10% organic matter content
Texture: Equal to AS 4419-2003 Table L1 Sandy Loam.

Note:
If site topsoil is available it can be substituted for imported soils-
Ensure soil is ameliorated to match referenced imported soil type

Site Topsoil
TYPE 03 Topsoil: The original surface layer of soil from grassland, bushland or cultivated land.
TYPE 04 Ameliorated Topsoil: The original surface layer of soil from grassland, bushland or cultivated land. Site topsoil may be reused on site to substitute imported soils provided it meets with the following requirements:
Testing: Soil to be tested in accordance with AS 4419-2003
Amelioration: Soil is to be tested and ameliorated to meet standard of proposed imported soil. Testing results and proposed amelioration is to be submitted to council prior to use.

2.4 SOIL TESTING
TESTING: If site topsoil is to be reused, testing is to be undertaken with results, proposed amelioration and general methodology to be provided to the council project officer or with specification notes to demonstrate implementation of required additives prior to soil spreading on top of cultivated sub grade.
SAMPLING: As recommended in AS 4419-2003 Appendix A
SAMPLING TECHNIQUE: The sampling technique should be undertaken in accordance with the guidelines of AS 4419-2003.

Soil for the landscape works shall be free from weeds including but not limited to, onion weed, nut grass, clover, wandering jew, bindii and oxalis. The landscape contractor shall obtain a certificate from the soil supplier that the soil provided for the project is weed free and be made available to the client if requested. Soil shall be assumed to be placed to all mass planting bed areas and individual tree planting locations. The landscape contractor is responsible for the removal and or disposal of all spoilt or excess soil excavated in the process of implementing the landscape works. Soils shall comply with the texture classification 'Medium - (sandy Loam)' or 'Coarse - (sandy soil)'

2.5 SOIL LEVELS
Finished soil levels shall allow turf or mulch to be finished level to the top of timber edging, kerbs, paving or concrete footpaths or as otherwise shown on drawings.

2.6 PLACING SOIL
PLACING: Place the approved soil on the prepared subsoil. Spread and grade evenly, making the necessary allowances so that the required finished levels and contours may be achieved after light compaction. Prevent areas of excess compaction being caused by constructional plant. Avoid differential subsidence and produce a finished soil surface which is:
at design levels;
smooth and free from stones or lumps of soil;
graded to drain freely, without ponding, to catchment points;
graded evenly into adjoining ground surfaces; and
ready for planting.

2.7 FERTILISER
REQUIREMENT: Provide proprietary fertilisers, delivered to the site in sealed bags marked to show manufacturer or vendor, weight, fertiliser type, N:P:K ratio, recommended uses and application rates. Use in accordance with the manufacturer's recommendations.

2.8 MULCH
GENERALLY: Use mulch as scheduled which is free of deleterious and extraneous matter such as soil, weeds and sticks. Use organic mulches which are free of stones AND COMPLY WITH AUSTRALIAN STANDARDS SPECIFYING LESS THAN 5% FINES. Use ANL 'Forest Blend' 20-40mm mulch or equivalent.
APPLICATION: Place mulch to the required depth, clear of plant stems, and rake to an even surface flush with the surrounding finished levels.

2.9 SUB-SURFACE DRAINAGE
Provide sub soil drains where necessary to intercept groundwater seepage and prevent water build upin tree planting pits.
Connect subsoil drains to the stormwater drainage system. Refer to plans and details.
Groundworks, for trench excavation and backfilling
STANDARD: To AS 3500.
INSPECTION: Give sufficient notice so that inspection may be made at the following stages:
- Sub-soil drainage laid in position prior to covering.

CONNECTION: If connection into an existing drain is required, carry out the excavation necessary to locate and expose the connection point. On completion, reinstate the surfaces and elements which have been disturbed such as roads, pavements, kerbs, footpaths and nature strips.
PIPE DEPTH: Comply with the following minium depths, measured to the crown of the pipe:
450mm below the finished surface of unpaved ground.
SUBSOIL DRAINS: Perforated plastic pipe: To AS 2439.1
Diameter: 90mm.
Junctions: Use purpose made fittings.
BACKFILLING: Backfill with 20mm nominal size washed screenings, to the following depths:
To the underside of the bases of overlying structures such as pavements, slabs and channels.
To within 75mm of the finished surface of unpaved or unhandicapped areas.
FILTER FABRIC: Use polymeric fabric formed from a plastic yarn containing stabilizers or inhibitors to make the filaments resistant to deterioration due to UV light. Protect the fabric from prolonged exposure to sunlight.
FILTER SOCK: Use an approved permeable polyester sock capable of retaining particles of 0.25mm size. Securely fit or join the sock at each joint by tape or other approved means.

3.0 SOFT LANDSCAPE WORKS

3.1 PLANTS
Supply plants to the following quality:
are vigorous, well established, free from disease and pests, of good foliage, have large healthy root systems, with no evidence of root curl, restriction or damage;
are hardened off, not soft or forced, and suitable for planting in the natural climatic conditions prevailing at the site.
do not require staking to stand upright other than staking to control damage from strong winds or local conditions.
Staking should then be as detailed on the drawings and provide free movement with support only to protect from excessive movement.
SUBSTITUTIONS: Make no substitutions.
LABELLING: Label at least one plant of each species or variety in a batch with a readable tag.
REPLACEMENTS:. Using plants of the same type, quality and size, replace any plants which are damaged whilst being transported to the site or during the work under the Contract, or which fail or are rejected.
STORAGE: Deliver plant material to the site on a day to day basis, and plant immediately after delivery. If this is not possible, keep the plants in good condition on the site, adequately protected from frost, wind, sun and vermin by appropriate storage methods, including an on-site nursery of sufficient size, with provision for watering the stock.
POTTING-ON: Do not carry out potting-on unless authorised.

3.2 TURFING
TURF: Obtain turf from a specialist grower of cultivated turf. Use turf of even thickness, free from weeds and other foreign matter.
SUPPLY: Deliver the turf within 24 hours of cutting, and lay it within 36 hours of cutting. Prevent it from drying out between cutting and laying.
FERTILISING: Mix the fertilizer thoroughly into the topsoil before placing the turf. Apply lawn fertiliser at the completion of the first and last mowings, and at other times as required to maintain healthy grass cover.
LAYING: Lay the turf in the following manner:
In stretcher pattern with the joints staggered and close butted.
Parallel with the long sides of level areas, and with contours on slopes.
To finish flush, after tamping, with adjacent finished surfaces of ground, paving edging, or grass seeded areas.
TAMPING: Lightly tamp to an even surface immediately after laying. Do not use a roller.
WATERING: Water immediately after laying until the topsoil is moistened to its full depth. Continue watering to maintain moisture to this depth. Keep the grass in a healthy condition.
MOWING: Mow to maintain the grass height within the required range. Carry out the last mowing not more than seven days before the end of the planting establishment period. Remove grass clippings from the site after each mowing.
MAINTENANCE: Maintain the turfed areas until the attainment of a dense continuous award of healthy and evenly green grass over the whole area. Lift failed turf and relay with new turf.
TOP DRESSING: When the turf is established mow, remove cuttings and lightly top dress entire turf area to a depth of 10 mm. Rub the dressing well into the joints and correct any unevenness in the turf surface.

3.3 PLANTING ESTABLISHMENT
PERIOD: The Planting Establishment Period commences at the date of issue of a written certificate of practical completion from the superintendent.
PROGRAM: Furnish a proposed planting maintenance program with the tender
LOG BOOK: Keep a log book recording when and what maintenance work has been done and what materials, including toxic materials, have been used. Make the log book available for inspection on request.
RECURRENT WORKS: Throughout the Planting Establishment Period, continue to carry out recurrent works of a maintenance nature including, but not limited to, watering, mowing, weeding, rubbish removal, fertilising, pest and disease control, staking and tying, replanting, cultivating, pruning and keeping the site neat and tidy.
REPLACEMENTS: Continue to replace failed, damaged or stolen plants for the extent of the Planting Establishment Period.
MULCHED SURFACES: Maintain the surface in a clean and tidy condition and reinstate the mulch as necessary.
GRASSED AREAS: Commence grass maintenance works at the completion of turfing, and continue to carry out grass maintenance throughout the contract and Planting Establishment Period, maintaining healthy weed free growth.
STAKES AND TIES: Adjust or replace as required. Remove those not required at the end of the Planting Establishment Period. Prune trees as directed by the landscape architect.
SITE WATER: The contractor shall be responsible for sourcing, checking availability and if required importing water to maintain the plants during the plant establishment period as required under this specification.

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C	01.02.18	REVISED ISSUE FOR TENDER	GF	PW					
B	30.01.18	ISSUE FOR TENDER	GF	PW					
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PROJECT: TERRIGAL PUBLIC SCHOOL
SITE: HAVENVIEW ROAD, TERRIGAL
CLIENT: NSW GOVERNMENT EDUCATION
DRAWING: LANDSCAPE SPECIFICATIONS 01

terras landscape architects

drawn:	scale:	no in set:	date:
GF	NTS	7/8	01.02.18

phase:	project no:	DWG no:	revision no:
TENDER	11506.5	L07	C

4.0 SCHEDULE OF MATERIALS AND FINISHES

NOTE:Use proprietary items as specified below or similar item equal in workmanship, materials and design if approved by the Superintendent.

4.1 EXCAVATION SCHEDULE

Depth below finished surface levels shown on plan.

LOCATION	DEPTH SOIL	NOTES
Trees	Refer detail	
Mass planting	375mm	Allow for 300mm topsoil and 75mm mulch.
Turf	100mm	Ensure no ponding

4.2 CULTIVATION SCHEDULE

LOCATION	DEPTH SOIL	NOTES
Subgrade	150mm	

4.2 SOIL SCHEDULE

If requested by the superintendent a basic soil test shall be carried out at the contractors expense to ascertain the physical and chemical properties of the proposed imported soil where no certificate of soil type is provided.

LOCATION	DEPTH	SOIL TYPE
Trees	Top 300mm	02 Premium garden soil [10 % compost]
	Below 300mm	01 General purpose soil
T1 - Turf	100mm	Ameliorated site topsoil OR 01 General purpose soil - sandy loam
Mass planting	Top 300mm	02 Premium garden soil [10 % compost]
	Below 300mm	Ameliorated site topsoil OR 01 General purpose soil - sandy loam

4.2 WEED CONTROL METHODS

WEED TYPE	CONTROL METHODS
Stripped Soil Stockpile	Glyphosate two weeks prior to stripping
Mass Planting Areas	Hand weeding
Turf	Selective herbicide approved for nominated species

4.2 STAKES AND TIES SCHEDULE

CONTAINER SIZE	TYPE	INSTALLED HEIGHT
<45 Lt	2 x 35mm hardwood stakes. Loose hessian ties	Minimum 1200mm AGL installed
45 - 200 Litre	3 x 50mm hardwood stakes. Loose hessian ties.	Minimum 1500mm AGL installed

4.3 HOLD POINTS - CHECKS REQUIRED.

Landscape contractor shall provide superintendent notification of Checks on progress of the works required and obtain approval to proceed following checking at hold points below.

STAGE OF WORKS	REQUIRED WORK TO BE COMPLETED	NOTICE
Subgrades	Excavated and cultivated with sub soil drainage lines installed prior to planting	1 day
Plant stock	All plants to be made available on site or at a local nursery or holding area prior to planting	2 days
Planting works	Placement of planting and planting technique	1 day
Completion	Completion of all hard and soft landscape works as documented on the drawings	2 days
Maintenance period	Completion of plant establishment activities.	2 days

All landscape works shall be coordinated with councils project manger during construction.Notification of minimum 7 days is to be provided prior to commencement of approved landscape works .

4.4 FERTILISER/SOIL ADDITIVES SCHEDULE.

LOCATION	TYPE	NPK RATIO
Mass planting (Pre planting)	A mix of water crystals, wetting agent, inert carrier and fertilisers.	Equal to Terracottem or Terraform.
Raised planters (Pre planting)	A mix of water crystals, wetting agent, inert carrier and fertilisers.	Terracottem at manufacturers recommendations.
Mass planting (Post planting)	Seaweed based soil conditioner with plant growth regulators.	Seasol
Mass Planting -Exotics (Maintenance Period)	6 mths slow release	16:2:12:2
Native Trees	A mix of water crystals, wetting agent, inert carrier and fertilisers.	Equal to Terracottem or Terraform
Exotic Trees	A mix of water crystals, wetting agent, inert carrier and fertilisers.	Equal to Terracottem or Terraform
Turf (At laying)	Turf starter	20:12:4
Turf (Maintenance Period)	Organic lawn fertiliser	10:4:5

4.5 MULCH SCHEDULE.

CODE	LOCATION	TYPE	DEPTH
	Trees	equal to ANL "Eucy mulch"	75mm.
	Mass planting	equal to ANL "Eucy mulch"	75mm.

Provide mulch to all exposed soil areas, where planting is set back from building, continue mulch to building foundations.

4.3 TREE WATERING REQUIREMENTS

Create Watering Rings/Water-In.

Where trees are to be watered manually, create a watering ring for each tree, using:

- the inside diameter of the watering ring is less than the diameter of the root-ball this is to ensure that all water applied goes to the root-ball and not the site soils;
- the watering ring is wide enough and sufficiently robust to be durable;
- the watering ring is big enough so that water can be applied at a rate of 20% of root-ball volume in a single application;
- water trees in by applying water, through the watering ring, at a rate of approximately 40% of root-ball volume (2 applications of 20% of root-ball volume);
- Roots of the newly planted tree are in the rootball. Water applied must be directed to the rootball and watering the surrounding site soils can be, at best wasteful and at worst, damaging.
- Continue to water trees as per instructions below:

CONTAINER SIZE	AMMOUNT OF WATER	WATER FREQUENCY
45 Litre	7 Litres	3 x week (first 6mths)
100Litre	20 Litres	3 x week (first 6mths)

4.6 TURF SCHEDULE.

CODE	TYPE
T1	Couch CT2

4.7 EDGE SCHEDULE.

CODE	TYPE	SIZE
As indicated on landscape plans	(TE) TIMBER EDGE	Longitudinal Edging: 100 x 38mm rough sawn treated pine, Fix to stakes with 2no. 40mm galnails Joiner Timber: 75 x 15 x 450mm long treated pine Stakes:42 x 42 x 450 mm long treated pine

4.8 PLANT ESTABLISHMENT SCHEDULE.

AREA	PERIOD	NOTES
Plantings	Refer to contract information Item 13 - Times for site access and completion for the extent of the landscape maintenance period	From date of written acceptance of Practical Completion.

4.9 FENCING SCHEDULE

CODE	TYPE	LOCATION/SPACING
F1	Equal to ARC Industrial Fencing. Ambassador Galvabond steel palisade Colour: Black (Powder coat) Height: 2100mm (Gates to match) Install to AS1725 - 2010 and as per manufacturers instructions	As shown on drawings

4.10 PAVING

CODE	TYPE	FINISH
P1	Coloured concrete to engn details - "CCS Apollo"	Tooled edges with broom finish in one direction over top to edge
P2	Coloured concrete to engn details - CCS "Pebble"	Tooled edges with broom finish in one direction over top to edge

Ensure all pavement meets Australian Standards for slip resistance and provide copies of test results.
All pavement construction to engineers details and specifications.

4.11 STABILISED GRAVEL SCHEDULE.

CODE	LOCATION	TYPE
G	As shown on landscape plans	150mm 3% stabilised gravel on compacted subgrade

4.12 TACTILE INDICATORS.

CODE	TYPE
TI	Lisi (25mm) Latham spiral top stainless steel tactile indicator studs. (25M) Fixing: All studs should be installed into correctly drilled holes using Latham Thixotropic Stud Adhesive. All studs need to be installed in accordance with AS 1428.4 - 2002 & AS 1428.1 - 2009 where applicable Location: As noted on plans

4.13 SUBSOIL DRAINAGE

CODE	LOCATION	TYPE
SSD	All mass planted areas	Perforated plastic pipe: To AS 2439.1. Diameter 90mm. Junctions: Use purpose made fittings. Filter fabric: Use polymeric fabric formed from a plastic yarn containing stabilisers or inhibitors to make the filaments resistant to deterioration due to UV light. Backfill: Use 20mm nominal size washed screenings. Connect to stormwater system.

4.14 STEP SCHEDULE

CODE	TYPE
ST1	Concrete steps to engineers details Colour: Plain grey concrete with light grit blast finish. Tread:300mm , Riser: Varies Finish: Apply two coats penetrative sealer as recommended by manufacturer Esure all pavement meets Australian Standards for slip resistance and provide copies of test results. Important: Provide non lip nosing inset to all concrete steps Type: Latham ACS-50 Safety insert tread. Recess into concrete Colour: Black

4.15 BIKE RACK SCHEDULE

CODE	TYPE
BR	Drafin Street Furniture - Circular Stainless Steel Bike Stand Product Number: 88644 Size: 850mm H x 900mm W Material: 316 Stainless Steel Fixing: In ground

NOTE

WHERE PROPRIETY NAMES HAVE BEEN NOMINATED THE CONTRACTOR MAY OFFER EQUAL ALTERNATIVES FOR CONSIDERATION BY THE SUPERINTENDENT. IF ACCEPTABLE, WRITTEN APPROVAL FOR REPLACEMENTS WILL BE ISSUED.

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PROJECT: TERRIGAL PUBLIC SCHOOL

SITE: HAVENVIEW ROAD, TERRIGAL

CLIENT: NSW GOVERNMENT EDUCATION

DRAWING: LANDSCAPE SPECIFICATIONS 02

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WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING MATERIALS OR COMPLETION OF WORKS OF DRAWINGS.

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