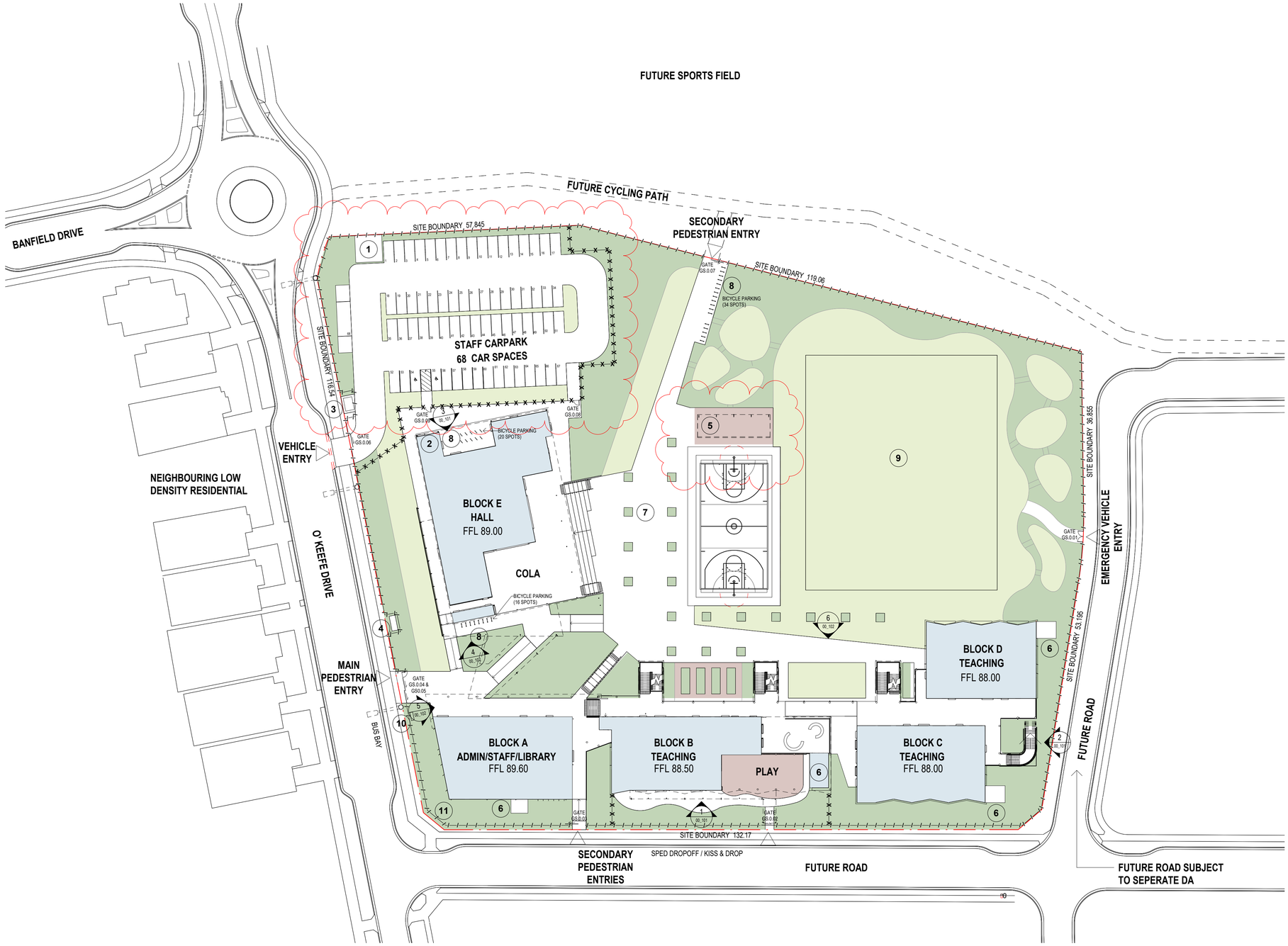

SITE SERVICES

NUMBER	DESCRIPTION
1	WASTE PAD
2	MAIN SWITCHBOARD ROOM
3	SUBSTATION
4	PUMPS
5	SHADE STRUCTURE
6	PLANT WITH SCREEN
7	ASSEMBLY
8	BICYCLE PARKING (TOTAL OF 60 SPOTS)
9	SPORTS FIELD
10	MAIN SCHOOL SIGN
11	FUTURE ELECTRIC SCHOOL SIGN
	SITE BOUNDARY
	FENCE LINE : 2.1m HIGH DIPLOMAT PALISSADE FENCE TYPE.
	FENCE LINE : 1.2m

NOTE :
REFER TO LANDSCAPE ARCHITECT DRAWINGS FOR MORE INFORMATION

29/04/2020 5:45:57 PM

FOR COORDINATION

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
	VL	13.08.19	PRELIMINARY ISSUE FOR REVIEW
A	VL	30.08.19	ISSUE FOR SSDA ToA
B	RO	11.02.20	ISSUE FOR RTS - BICYCLE PARKING NOTE ADDED, LEGEND, AWNING & PLAYSPACE AMENDED & STAIR MOVED
C	HS	10.03.20	ISSUE FOR RTS - CAR & BIKE PARKING AMENDED
D	SJ	29.04.20	ISSUE FOR RTS - CAR PARKING NUMBERS ADDED, SHADE STRUCTURE AMENDED

LEGEND

CON	CONCRETE	MR1a	METAL ROOFING_COLOUR A - UPPER LEVEL
CFC1	CLADDING CFC_NEUTRAL COLOUR	MR1b	METAL ROOFING_COLOUR B - LOWER LEVEL
CFC2a	CLADDING CFC_FEATURE COLOUR A	PC-b	POWDERCOAT_FEATURE COLOUR B
CFC2b	CLADDING CFC_FEATURE COLOUR B	PC-e	POWDERCOAT_FEATURE COLOUR E
CFC2c	CLADDING CFC_FEATURE COLOUR C	PC-f	POWDERCOAT_FEATURE COLOUR F
DP	DOWNPIPE	PMS	PERFORATED MESH SCREEN
LV1	ALUMINIUM LOUVRES - TYPE 1		
LV2	ALUMINIUM LOUVRES - TYPE 2		
MWC1b	METAL WALL CLADDING_COLOUR B		

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HYDRAULIC WOOLACOTTS (02) 8241 9900	
FIRE MCD FIRE ENGINEERING (04) 2392 2745	LANDSCAPE ARCHITECT TAYLOR BRAMMER LANDS. ARCH. (02) 9387 8855

PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS

O'KEEFE DRIVE, ORAN PARK, NSW, 2570

NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME

SITE PLAN

PROJECT NORTH

0 5000 10000 15000 20000 25000 50000

SCALE 1 : 500 @ A1

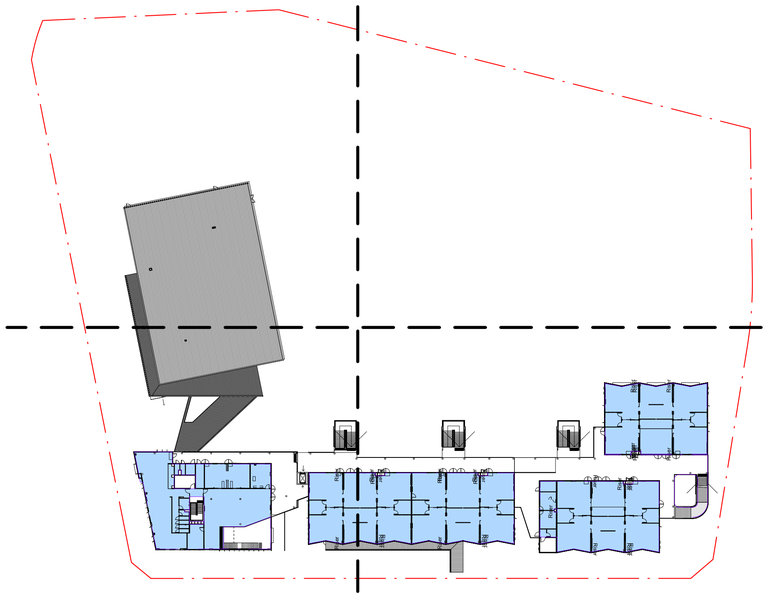
DRAWN	CHECKED	VERIFIED	DATE
HS	KLC	SR	1 MAY 2020

DRAWING NUMBER

PROJECT CODE	SCH. REF.	DISC.	TYPE	SERIES#	REVISION
NHQC2 - CF - AR - SSDA - 00_002					D

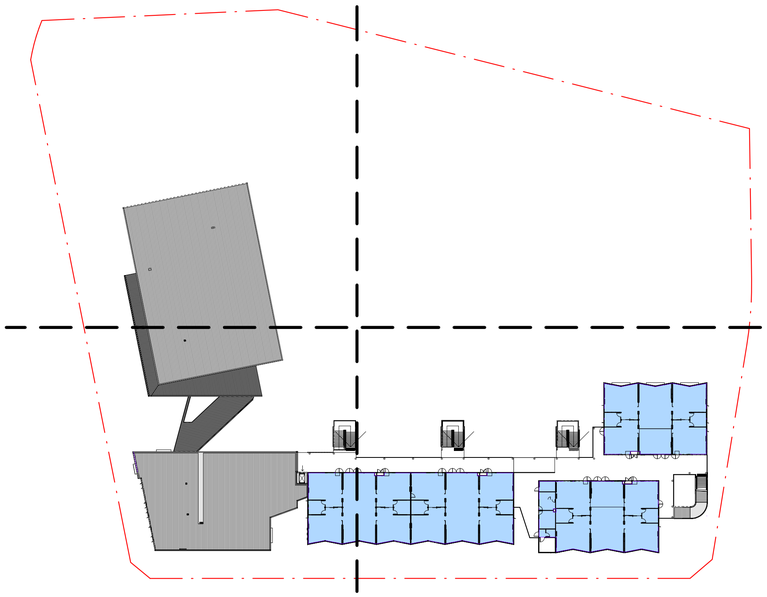
GFA - LEVEL 00

Building	Area
BLOCK A	521.61 m²
BLOCK B	487.56 m²
BLOCK C	477.57 m²
BLOCK D	421.01 m²
BLOCK E	715.74 m²
BLOCK E WC	18.22 m²
	2641.71 m²



GFA - LEVEL 01

Building	Area
BLOCK A	540.39 m²
BLOCK B	845.58 m²
BLOCK C	477.57 m²
BLOCK D	421.01 m²
	2284.55 m²



GFA - LEVEL 02

Building	Area
BLOCK B	845.54 m²
BLOCK C	477.64 m²
BLOCK D	421.02 m²
	1744.20 m²

GFA - TOTAL

Level	Building	Area
BLOCK A		
00	BLOCK A	521.61 m²
01	BLOCK A	540.39 m²
BLOCK B		
00	BLOCK B	487.56 m²
01	BLOCK B	845.58 m²
02	BLOCK B	845.54 m²
BLOCK C		
00	BLOCK C	477.57 m²
01	BLOCK C	477.57 m²
02	BLOCK C	477.64 m²
BLOCK D		
00	BLOCK D	421.01 m²
01	BLOCK D	421.01 m²
02	BLOCK D	421.02 m²
BLOCK E		
00	BLOCK E	715.74 m²
BLOCK E WC		
00	BLOCK E WC	18.22 m²
		6670.46 m²

FSR

$$\frac{\text{GFA} = 6{,}754\ \text{m}^2}{\text{SITE AREA} = 20{,}812\ \text{m}^2} = \mathbf{0.32 : 1}$$

GFA CALCULATED FOLLOWING THE LEP DEFINITION.

11/03/2020 2:40:16 PM

FOR CO-ORDINATION

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
A	HS	10.03.20	ISSUE FOR RTS

LEGEND

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PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS
O'KEEFE DRIVE, ORAN PARK, NSW, 2570
NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME
GFA PLANNING AREA CALCULATIONS

PROJECT NORTH

DRAWN	CHECKED	VERIFIED	DATE
Author	Checker	Approver	10 MARCH 2020

DRAWING NUMBER

PROJECT CODE	SCH. REF.	DISC.	TYPE	SERIES#	REVISION
NHQC2 - CF - AR - SSDA - 00_004					A

11/02/2020 11:11:59 AM

SSDA

AMMENDMENTS			
REV	BY	DATE	DESCRIPTION
	VL	13.08.19	PRELIMINARY ISSUE FOR REVIEW
A	VL	30.08.19	ISSUE FOR SSDA ToA
B	KLC	31.10.19	ISSUE FOR SSDA
C	RO	11.02.20	ISSUE FOR RTS - STAIR, AWNING, PLAYSPACE AMENDED. PLANT LOUVRES SETBACK. SPED ENTRANCE RELOCATED.

LEGEND

CON	CONCRETE
CFC1	CLADDING CFC_NEUTRAL COLOUR
CFC2a	CLADDING CFC_FEATURE COLOUR A
CFC2b	CLADDING CFC_FEATURE COLOUR B
CFC2c	CLADDING CFC_FEATURE COLOUR C
DP	DOWNPIPE
LV1	ALUMINIUM LOUVRES - TYPE 1
LV2	ALUMINIUM LOUVRES - TYPE 2
MWC1b	METAL WALL CLADDING_COLOUR B
MR1a	METAL ROOFING_COLOUR A - UPPER LEVEL
MR1b	METAL ROOFING_COLOUR B - LOWER LEVEL
PC-b	POWDERCOAT_FEATURE COLOUR B
PC-e	POWDERCOAT_FEATURE COLOUR E
PC-f	POWDERCOAT_FEATURE COLOUR F
PMS	PERFORATED MESH SCREEN

ADMIN/STAFF
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LIBRARY
SERVICES
SPECIAL EDUCATION
SPECIAL PROGRAMS
TEACHING SPACE

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FIRE MCD FIRE ENGINEERING (04) 2392 2745	LANDSCAPE ARCHITECT TAYLOR BRAMMER LANDS. ARCH. (02) 9387 8855

PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS

O'KEEFE DRIVE, ORAN PARK, NSW, 2570

NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME

COMPOSITE PLAN - LEVEL 00

PROJECT NORTH

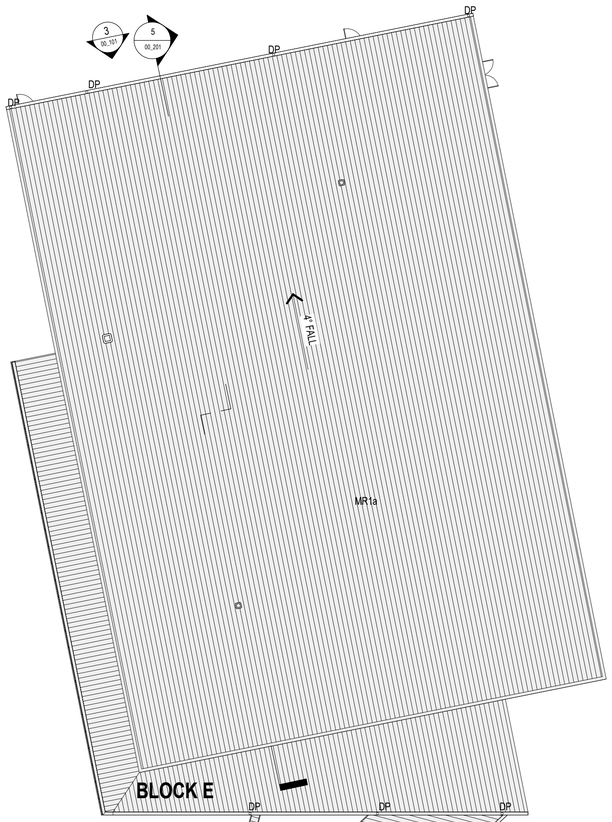
0 2000 4000 6000 8000 10000 20000

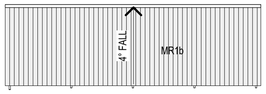
SCALE 1 : 200 @ A1

DRAWN	CHECKED	VERIFIED	DATE
HS	KLC	SR	11 FEBURARY 2020

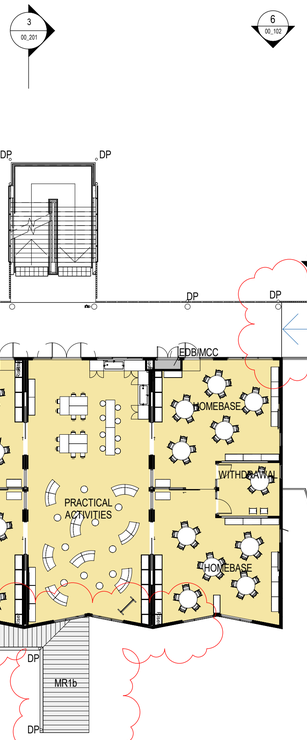
DRAWING NUMBER

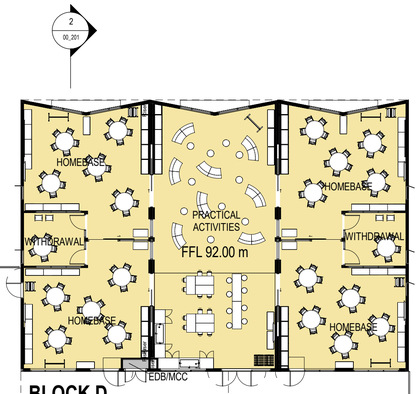
PROJECT CODE	SCH. REF.	DISC.	TYPE	SERIES#	REVISION
NHQC2 - CF - AR - SSDA - 00_011					C

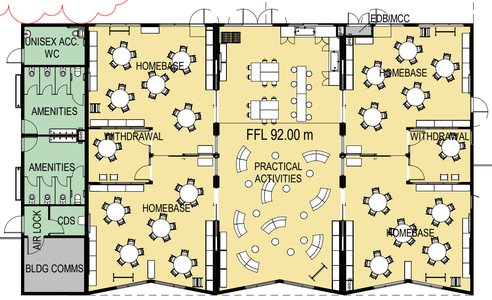




SHADE STRUCTURE







BULKHEAD OVER

SITE BOUNDARY

SITE BOUNDARY

SITE BOUNDARY

11/02/2020 11:16:09 AM

SSDA

AMMENDMENTS			
REV	BY	DATE	DESCRIPTION
-	VL	13.08.19	PRELIMINARY ISSUE FOR REVIEW
A	VL	30.08.19	ISSUE FOR SSDA ToA
B	KLC	31.10.19	ISSUE FOR SSDA
C	RO	11.02.20	ISSUE FOR RTS - BLOCK A WEST FACING EXTERIOR WALL AMENDED & WINDOW TYPE CHANGED BLOCK A EAST, STAIR, RAMP, AWNING AMENDED.

LEGEND

CON	CONCRETE
CFC1	CLADDING CFC_NEUTRAL COLOUR
CFC2a	CLADDING CFC_FEATURE COLOUR A
CFC2b	CLADDING CFC_FEATURE COLOUR B
CFC2c	CLADDING CFC_FEATURE COLOUR C
DP	DOWNPIPE
LV1	ALUMINIUM LOUVRES - TYPE 1
LV2	ALUMINIUM LOUVRES - TYPE 2
MWC1b	METAL WALL CLADDING_COLOUR B
MR1a	METAL ROOFING_COLOUR A - UPPER LEVEL
MR1b	METAL ROOFING_COLOUR B - LOWER LEVEL
PC-b	POWDERCOAT_FEATURE COLOUR B
PC-e	POWDERCOAT_FEATURE COLOUR E
PC-f	POWDERCOAT_FEATURE COLOUR F
PMS	PERFORATED MESH SCREEN

ADMIN/STAFF
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SPECIAL EDUCATION
SPECIAL PROGRAMS
TEACHING SPACE

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PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS
O'KEEFE DRIVE, ORAN PARK, NSW, 2570
NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME
COMPOSITE PLAN - LEVEL 01

PROJECT NORTH

0 2000 4000 6000 8000 10000 20000
SCALE 1 : 200 @ A1

DRAWN	CHECKED	VERIFIED	DATE
HS	KLC	SR	11 FEBURARY 2020

PROJECT CODE	SCH. REF.	DISC.	TYPE	SERIES#	DRAWING NUMBER	REVISION
NHQC2	CF	AR	SSDA	00_012		C

11/02/2020 11:19:50 AM

SSDA

AMMENDMENTS			
REV	BY	DATE	DESCRIPTION
	VL	13.08.19	PRELIMINARY ISSUE FOR REVIEW
A	VL	30.08.19	ISSUE FOR SSDA ToA
B	KLC	31.10.19	ISSUE FOR SSDA
C	RO	11.02.20	ISSUE FOR RTS - STAIR, RAMP & ROOF LINE AMENDED

LEGEND

CON	CONCRETE
CFC1	CLADDING CFC_NEUTRAL COLOUR
CFC2a	CLADDING CFC_FEATURE COLOUR A
CFC2b	CLADDING CFC_FEATURE COLOUR B
CFC2c	CLADDING CFC_FEATURE COLOUR C
DP	DOWNPIPE
LV1	ALUMINIUM LOUVRES - TYPE 1
LV2	ALUMINIUM LOUVRES - TYPE 2
MWC1b	METAL WALL CLADDING_COLOUR B
MR1a	METAL ROOFING_COLOUR A - UPPER LEVEL
MR1b	METAL ROOFING_COLOUR B - LOWER LEVEL
PC-b	POWDERCOAT_FEATURE COLOUR B
PC-e	POWDERCOAT_FEATURE COLOUR E
PC-f	POWDERCOAT_FEATURE COLOUR F
PMS	PERFORATED MESH SCREEN

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AMENITIES
HALL
LIBRARY
SERVICES
SPECIAL EDUCATION
SPECIAL PROGRAMS
TEACHING SPACE

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HYDRAULIC WOOLACOTTS (02) 8241 9900	
FIRE MCD FIRE ENGINEERING (04) 2392 2745	LANDSCAPE ARCHITECT TAYLOR BRAMMER LANDS. ARCH. (02) 9387 8855

PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS

O'KEEFE DRIVE, ORAN PARK, NSW, 2570

NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME

COMPOSITE PLAN - LEVEL 02

PROJECT NORTH

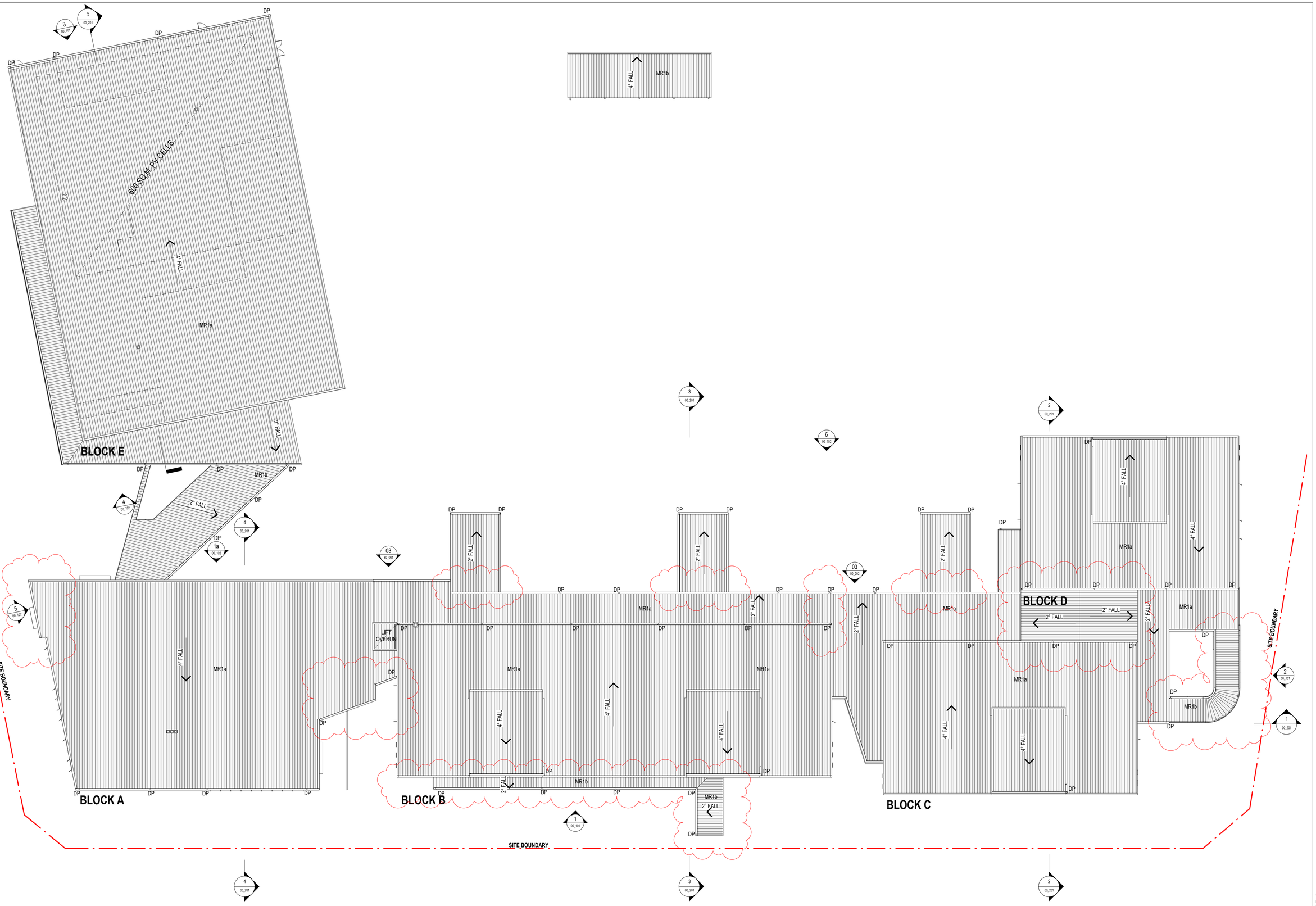
0 2000 4000 6000 8000 10000 20000

SCALE 1 : 200 @ A1

DRAWN	CHECKED	VERIFIED	DATE
HS	KLC	SR	11 FEBURARY 2020

DRAWING NUMBER

PROJECT CODE	SCH. REF.	DISC.	TYPE	SERIES#	REVISION
NHQC2 - CF - AR - SSDA - 00_013					C



11/02/2020 11:20:12 AM

SSDA

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
	VL	13.08.19	PRELIMINARY ISSUE FOR REVIEW
A	VL	30.08.19	ISSUE FOR SSDA ToA
B	KLC	31.10.19	ISSUE FOR SSDA
C	RO	11.02.20	ISSUE FOR RTS - ROOF LINE AMENDED

LEGEND

CON	CONCRETE	MR1a	METAL ROOFING_COLOUR A - UPPER LEVEL
CFC1	CLADDING CFC_NEUTRAL COLOUR	MR1b	METAL ROOFING_COLOUR B - LOWER LEVEL
CFC2a	CLADDING CFC_FEATURE COLOUR A	PC-b	POWDERCOAT_FEATURE COLOUR B
CFC2b	CLADDING CFC_FEATURE COLOUR B	PC-e	POWDERCOAT_FEATURE COLOUR E
CFC2c	CLADDING CFC_FEATURE COLOUR C	PC-f	POWDERCOAT_FEATURE COLOUR F
DP	DOWNPIPE	PMS	PERFORATED MESH SCREEN
LV1	ALUMINIUM LOUVRES - TYPE 1		
LV2	ALUMINIUM LOUVRES - TYPE 2		
MWC1b	METAL WALL CLADDING_COLOUR B		

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PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS

O'KEEFE DRIVE, ORAN PARK, NSW, 2570

NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME

COMPOSITE ROOF PLAN

PROJECT NORTH

0 2000 4000 6000 8000 10000 20000

SCALE 1 : 200 @ A1

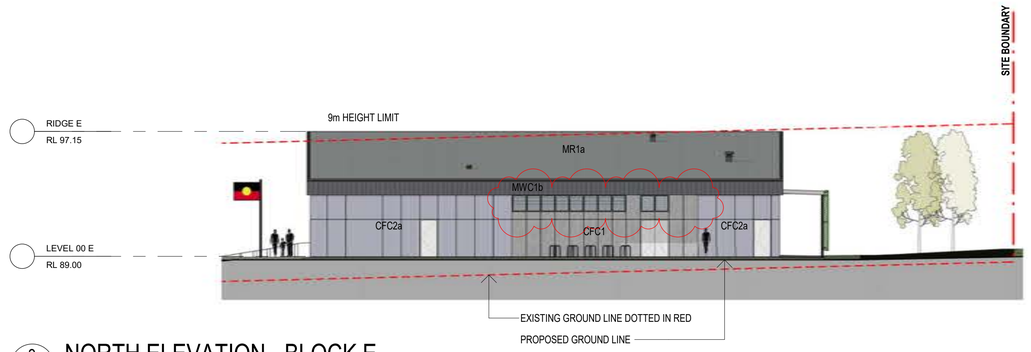
DRAWN	CHECKED	VERIFIED	DATE
HS	KLC	SR	11 FEBURARY 2020

DRAWING NUMBER

PROJECT CODE	SCH. REF.	DISC.	TYPE	SERIES#	REVISION
NHQC2 - CF - AR - SSDA - 00_021					C

1 / 00_002 SOUTH ELEVATION
1 : 200

2 / 00_002 EAST ELEVATION
1 : 200



3 / 00_002 NORTH ELEVATION - BLOCK E
1 : 200

11/02/2020 10:26:13 AM

SSDA

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
A	VL	30.08.19	ISSUE FOR SSDA ToA
B	KLC	31.10.19	ISSUE FOR SSDA
C	RO	11.02.20	ISSUE FOR RTS - WINDOW LOUVRES ADDED TO BLOCK A & E. VERT. ALUMINIUM BLADES ADDED TO WALKWAY. OVERHEAD DOOR HEIGHT AMENDED BLOCK E

LEGEND

CON	CONCRETE
CFC1	CLADDING CFC_NEUTRAL COLOUR
CFC2a	CLADDING CFC_FEATURE COLOUR A
CFC2b	CLADDING CFC_FEATURE COLOUR B
CFC2c	CLADDING CFC_FEATURE COLOUR C
DP	DOWNPIPE
LV1	ALUMINIUM LOUVRES - TYPE 1
LV2	ALUMINIUM LOUVRES - TYPE 2
MWC1b	METAL WALL CLADDING_COLOUR B
MR1a	METAL ROOFING_COLOUR A - UPPER LEVEL
MR1b	METAL ROOFING_COLOUR B - LOWER LEVEL
PC-b	POWDERCOAT_FEATURE COLOUR B
PC-e	POWDERCOAT_FEATURE COLOUR E
PC-f	POWDERCOAT_FEATURE COLOUR F
PMS	PERFORATED MESH SCREEN

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PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS
O'KEEFE DRIVE, ORAN PARK, NSW, 2570
NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME
SOUTH, EAST & NORTH ELEVATIONS

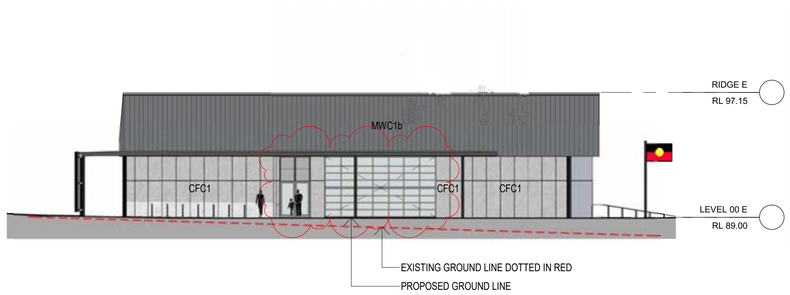
PROJECT NORTH

0 2000 4000 6000 8000 10000 20000
SCALE 1 : 200 @ A1

DRAWN	CHECKED	VERIFIED	DATE
HS	KLC	SR	11 FEBURARY 2020

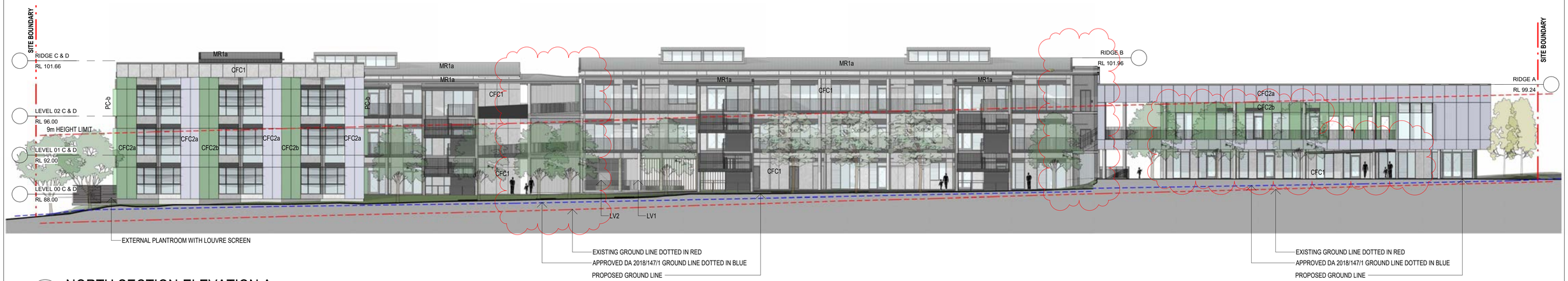
DRAWING NUMBER

PROJECT CODE	SCH. REF.	DISC.	TYPE	SERIES#	REVISION
NHQC2 - LP - AR - SSDA - 00_101					C



4 00_002 SOUTH SECTION-ELEVATION - BLOCK E
1 : 200

5 00_002 WEST ELEVATION - O'KEEFE DRIVE
1 : 200



6 00_002 NORTH SECTION-ELEVATION A
1 : 200

11/02/2020 10:32:36 AM

SSDA

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
	VL	13.08.19	PRELIMINARY ISSUE FOR REVIEW
A	VL	30.08.19	ISSUE FOR SSDA ToA
B	KLC	31.10.19	ISSUE FOR SSDA
C	RO	11.02.20	ISSUE FOR RTS - BLOCK A WEST FACADE AMENDED. WINDOW LOUVRES ADDED TO BLOCK A NORTH ELEVATION. VERTICAL ALUMINIUM BLADES ADDED TO WALKWAY. BLOCK E OVERHEAD DOOR HEIGHT AMENDED AND WINDOW LOUVRES ADDED

LEGEND

CON	CONCRETE
CFC1	CLADDING CFC_NEUTRAL COLOUR
CFC2a	CLADDING CFC_FEATURE COLOUR A
CFC2b	CLADDING CFC_FEATURE COLOUR B
CFC2c	CLADDING CFC_FEATURE COLOUR C
DP	DOWNPIPE
LV1	ALUMINIUM LOUVRES - TYPE 1
LV2	ALUMINIUM LOUVRES - TYPE 2
MWC1b	METAL WALL CLADDING_COLOUR B
MR1a	METAL ROOFING_COLOUR A - UPPER LEVEL
MR1b	METAL ROOFING_COLOUR B - LOWER LEVEL
PC-b	POWDERCOAT_FEATURE COLOUR B
PC-e	POWDERCOAT_FEATURE COLOUR E
PC-f	POWDERCOAT_FEATURE COLOUR F
PMS	PERFORATED MESH SCREEN

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PERUMAL PEDAVOLI ARCHITECTS

PROJECT
CATHERINE FIELD PS
O'KEEFE DRIVE, ORAN PARK, NSW, 2570
NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME
WEST ELEVATION & SOUTH & NORTH SECTION-ELEVATIONS

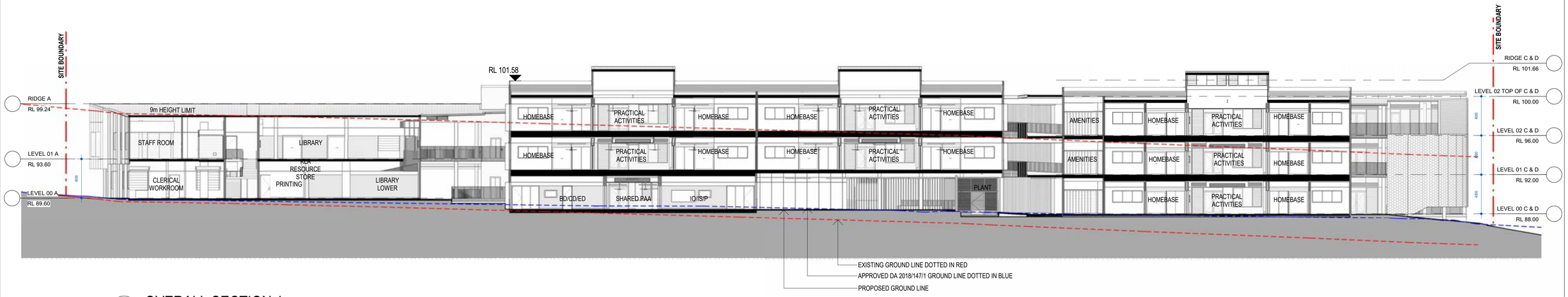
PROJECT NORTH

0 2000 4000 6000 8000 10000 20000
SCALE 1 : 200 @ A1

DRAWN	CHECKED	VERIFIED	DATE
HS	KLC	SR	11 FEBURARY 2020

DRAWING NUMBER

PROJECT CODE	SCH. REF.	DISC.	TYPE	SERIES#	REVISION
NHQC2 - CF - AR - SSDA - 00_102					C



1 / 00_011 **OVERALL SECTION 1**
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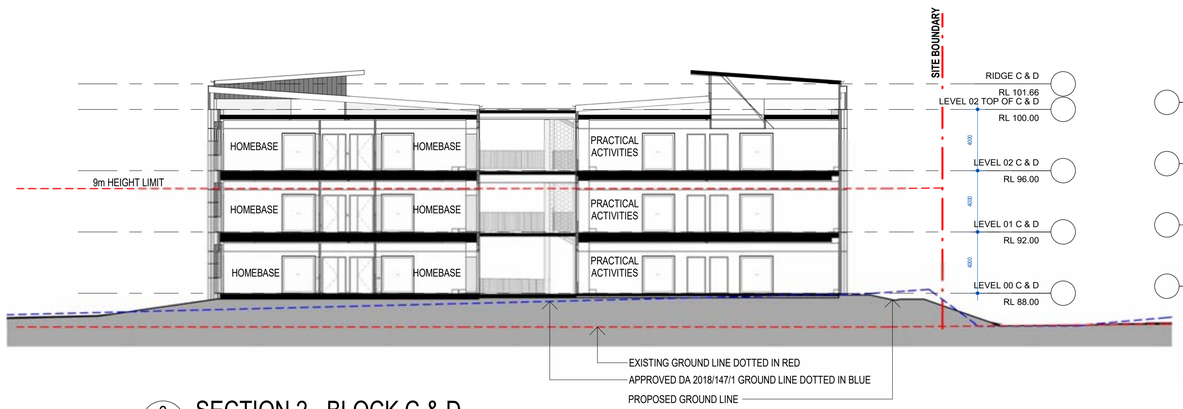

2 / 00_011 **SECTION 2 - BLOCK C & D**
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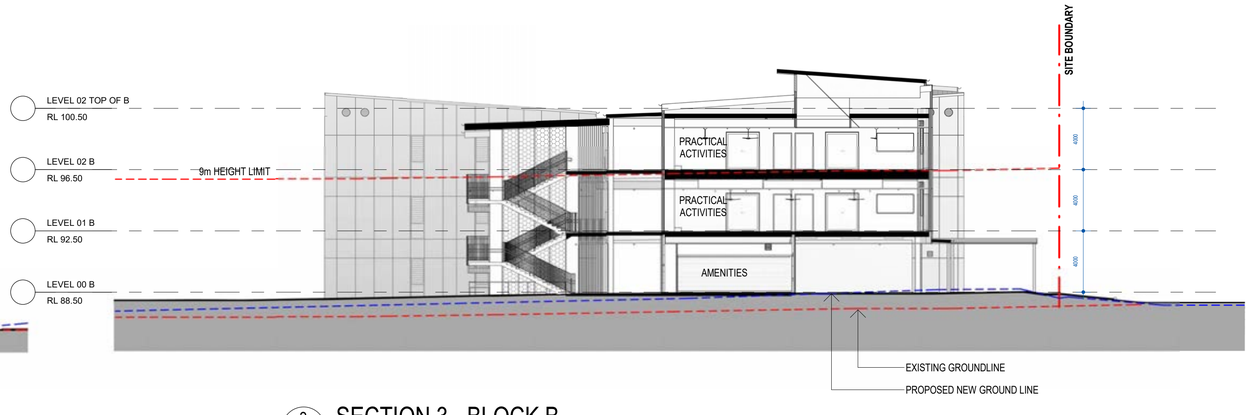

3 / 00_011 **SECTION 3 - BLOCK B**
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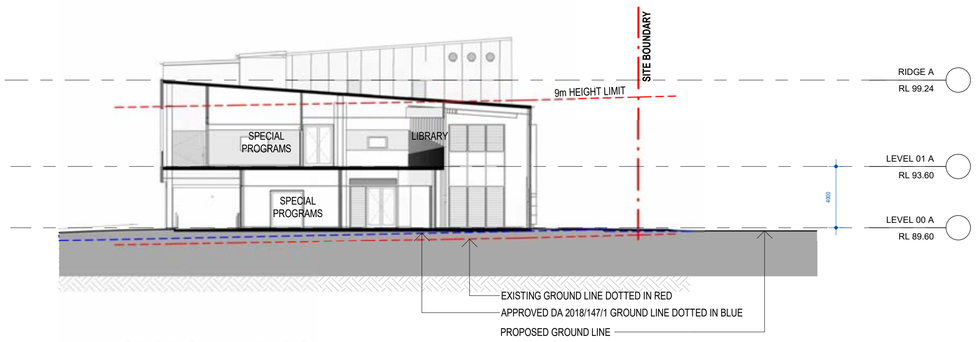

4 / 00_011 **SECTION 4 - BLOCK A**
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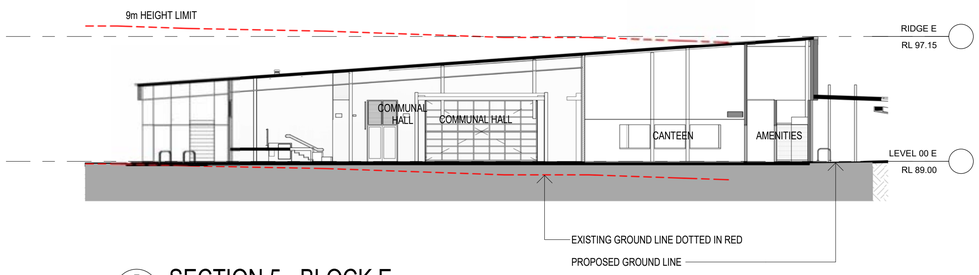

5 / 00_011 **SECTION 5 - BLOCK E**
1 : 200

11/02/2020 10:34:29 AM

SSDA

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
	VL	13.08.19	PRELIMINARY ISSUE FOR REVIEW
A	VL	30.08.19	ISSUE FOR SSDA ToA
B	KLC	31.10.19	ISSUE FOR SSDA

LEGEND

CON	CONCRETE
CFC1	CLADDING CFC_NEUTRAL COLOUR
CFC2a	CLADDING CFC_FEATURE COLOUR A
CFC2b	CLADDING CFC_FEATURE COLOUR B
CFC2c	CLADDING CFC_FEATURE COLOUR C
DP	DOWNPIPE
LV1	ALUMINIUM LOUVRES - TYPE 1
LV2	ALUMINIUM LOUVRES - TYPE 2
MWC1b	METAL WALL CLADDING_COLOUR B
MR1a	METAL ROOFING_COLOUR A - UPPER LEVEL
MR1b	METAL ROOFING_COLOUR B - LOWER LEVEL
PC-b	POWDERCOAT_FEATURE COLOUR B
PC-e	POWDERCOAT_FEATURE COLOUR E
PC-f	POWDERCOAT_FEATURE COLOUR F
PMS	PERFORATED MESH SCREEN

HANSENYUNCKEN

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FIRE
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PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS

O'KEEFE DRIVE, ORAN PARK, NSW, 2570

NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME
SECTIONS

PROJECT NORTH

0 2000 4000 6000 8000 10000 20000
SCALE 1 : 200 @ A1

DRAWN	CHECKED	VERIFIED	DATE
HS	KLC	SR	11 FEBURARY 2020

DRAWING NUMBER

PROJECT CODE	SCH. REF.	DISC.	TYPE	SERIES#	REVISION
NHQC2 - CF - AR - SSDA - 00_201					B

MAIN ENTRY FROM O'KEEFE DRIVE

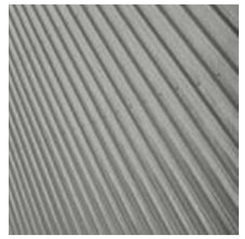
STREET VIEW FROM O'KEEFE DRIVE WITH HALL & MAIN ENTRIES

CFC1 - CLADDING
NEUTRAL COLOUR

PMS/PC-e - PERFORATED METAL SCREEN
POWDERCOATED

CON - CONCRETE

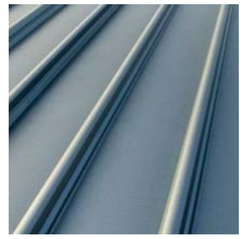
CFC2a - CLADDING
FEATURE COLOUR A



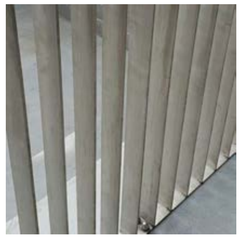
MR1a - METAL ROOFING
COLOUR A

LV1 - PRIVACY SCREEN
ALUMINIUM LOUVRES

CFC2b - CLADDING
FEATURE COLOUR B



MR1b - METAL ROOFING
COLOUR B



GALVANISED BALUSTRADES

CFC2c - CLADDING
FEATURE COLOUR C

LV2, EXTERNAL DOOR & WINDOW FRAMES
& PC-f POWDERCOAT

PC-b & PC-E SUNSHADES ACCENT
POWDERCOAT

PMS / PC-c - HALL ENTRY SCREEN FEATURE
POWDERCOATED PERFORATED METAL

11/02/2020 10:40:24 AM

SSDA

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
A	KLC	31.10.19	ISSUE FOR SSDA

LEGEND

CON	CONCRETE	MR1a	METAL ROOFING_COLOUR A - UPPER LEVEL
CFC1	CLADDING CFC_NEUTRAL COLOUR	MR1b	METAL ROOFING_COLOUR B - LOWER LEVEL
CFC2a	CLADDING CFC_FEATURE COLOUR A	PC-b	POWDERCOAT_FEATURE COLOUR B
CFC2b	CLADDING CFC_FEATURE COLOUR B	PC-e	POWDERCOAT_FEATURE COLOUR E
CFC2c	CLADDING CFC_FEATURE COLOUR C	PC-f	POWDERCOAT_FEATURE COLOUR F
DP	DOWNPIPE	PMS	PERFORATED MESH SCREEN
LV1	ALUMINIUM LOUVRES - TYPE 1		
LV2	ALUMINIUM LOUVRES - TYPE 2		
MWC1b	METAL WALL CLADDING_COLOUR B		

HANSEN YUNCKEN

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HYDRAULIC WOOLACOTTS (02) 8241 9900	
FIRE MCD FIRE ENGINEERING (04) 2392 2745	LANDSCAPE ARCHITECT TAYLOR BRAMMER LANDS. ARCH. (02) 9387 8855

PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS

O'KEEFE DRIVE, ORAN PARK, NSW, 2570

NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME

RENDERS & MATERIAL BOARD

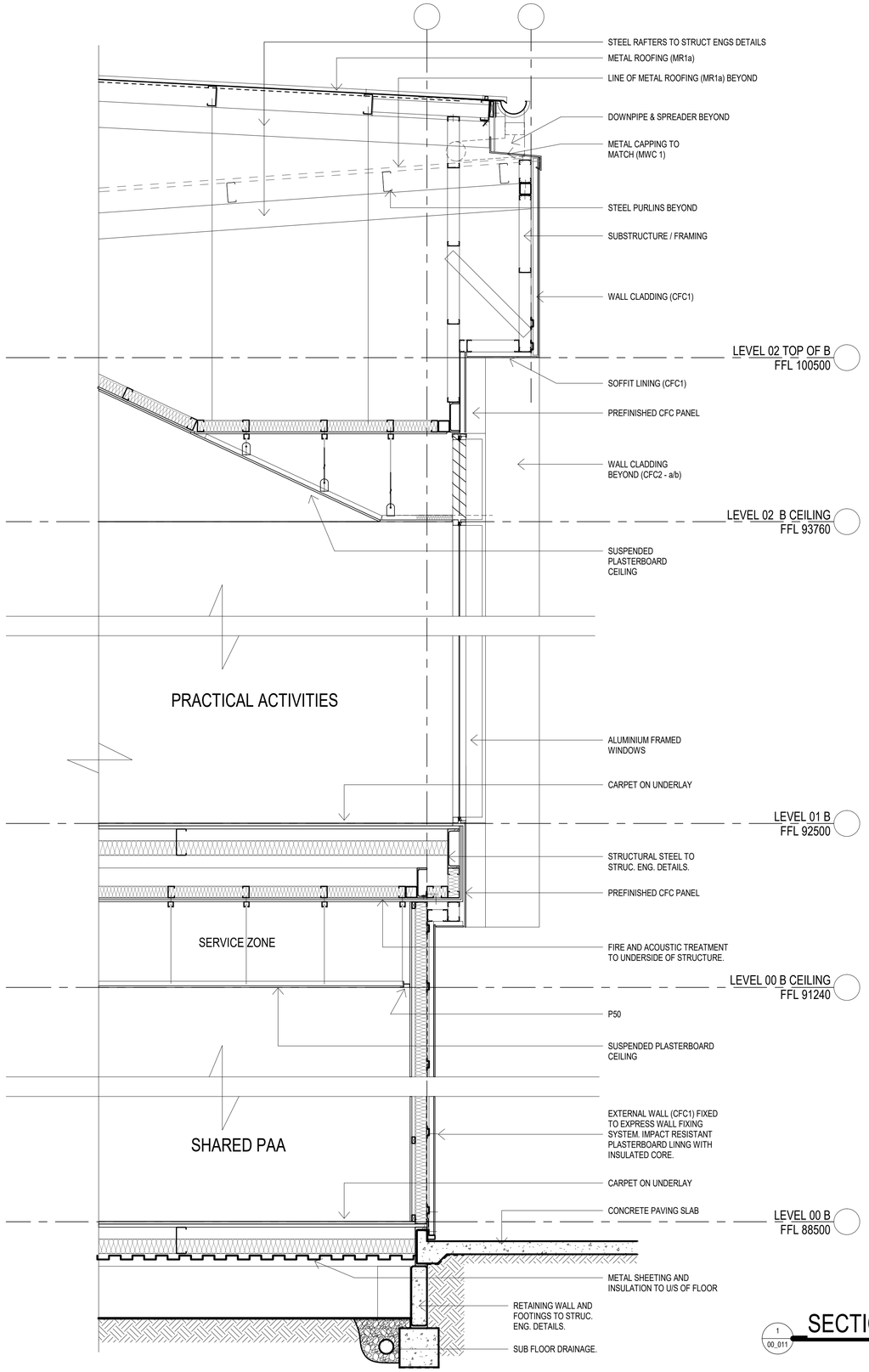
PROJECT NORTH

DRAWN	CHECKED	VERIFIED	DATE
HS	KLC	SR	11 FEBURARY 2020

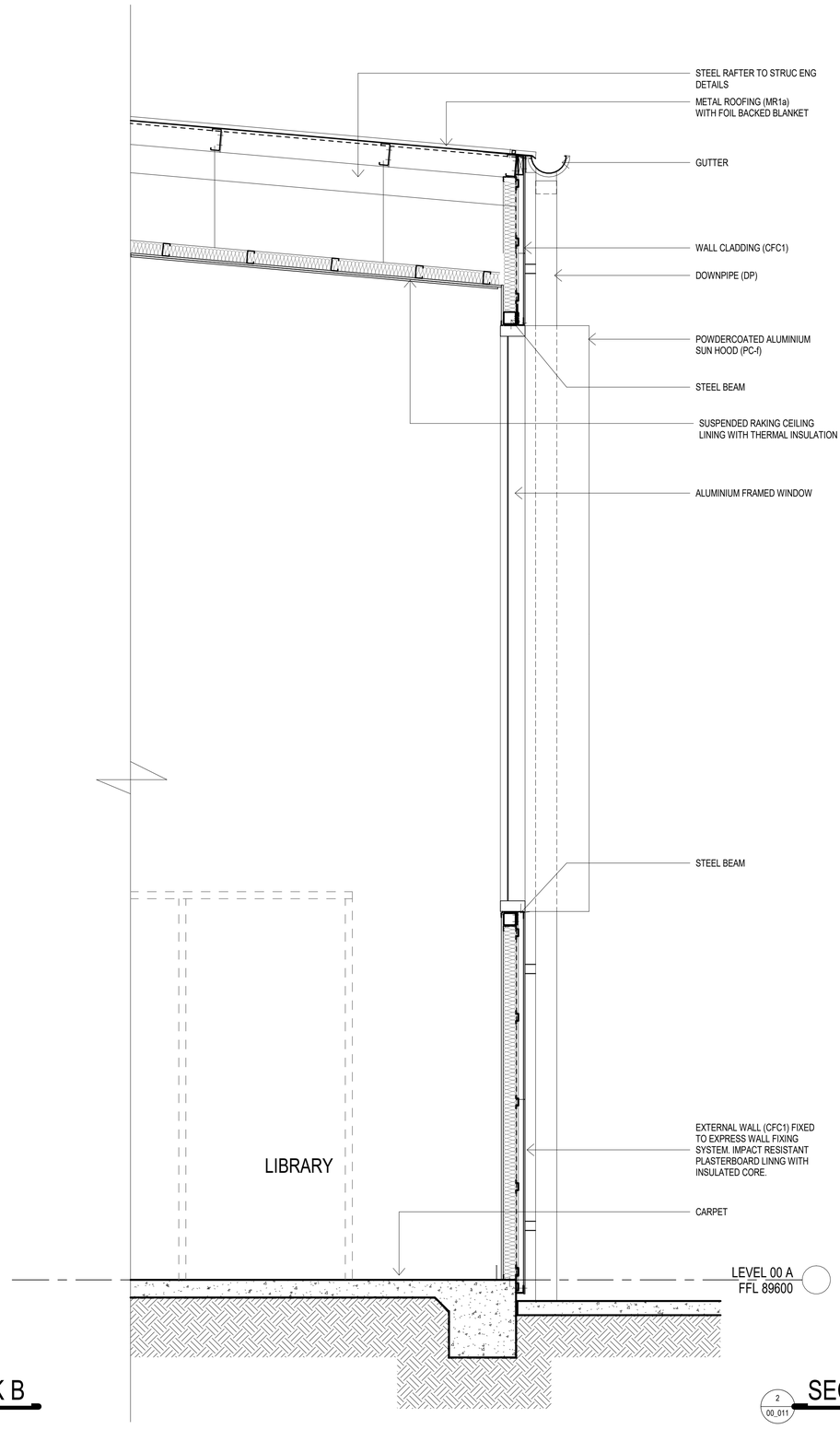
DRAWING NUMBER

PROJECT CODE	SCH. REF.	DISC.	TYPE	SERIES#
NHQC2	LP	AR	SSDA	00_401

REVISION A



1 00_011 SECTION - BLOCK B



2 00_011 SECTION - BLOCK A

11/02/2020 10:40:43 AM

SSDA

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
	VL	13.08.19	PRELIMINARY ISSUE FOR REVIEW
A	VL	30.08.19	ISSUE FOR SSDA ToA
B	KLC	31.10.19	ISSUE FOR SSDA

LEGEND

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CFC2c	CLADDING CFC_FEATURE COLOUR C
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PC-e	POWDERCOAT_FEATURE COLOUR E
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PMS	PERFORATED MESH SCREEN

HANSEN YUNCKEN

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FIRE MCD FIRE ENGINEERING (04) 2392 2745	LANDSCAPE ARCHITECT TAYLOR BRAMMER LANDS. ARCH. (02) 9387 8855

PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS

O'KEEFE DRIVE, ORAN PARK, NSW, 2570

NEW HIGH QUALITY CLASSROOMS PACKAGE 2

DRAWING NAME

WALL SECTIONS

PROJECT NORTH

0 200 400 600 800 1000 2000

SCALE 1 : 20 @ A1

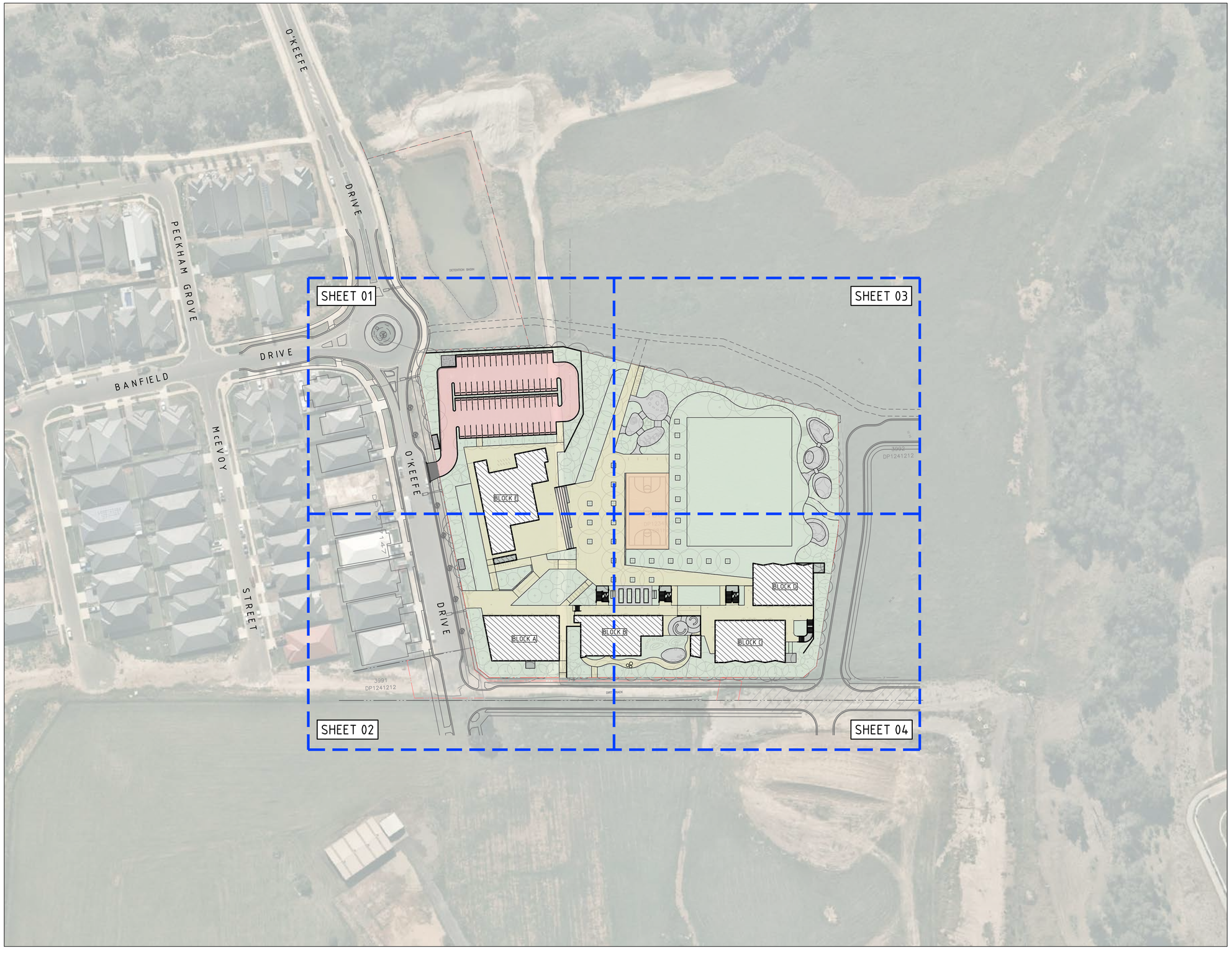
DRAWN	CHECKED	VERIFIED	DATE
HS	KLC	SR	11 FEBURARY 2020

DRAWING NUMBER

PROJECT CODE SCH. REF. DISC. TYPE SERIES#

NHQC2 - CF - AR -SSDA- 00_801

REVISION B



LEGEND

- PROPOSED BOUNDARY LINE
- EXISTING BOUNDARY LINE
- SHEET EXTENTS

Date : 20.12.2019 2:58 PM Plotted By : JO Found : T:\2019 Jobs\190518 - New High Quality Classrooms Package 2 - HY\02 - Catherine Fields\D-Drawings\D-Northrop\C-CIVIL\3-CAD\2-CAD FILES\02-ID\NHQC2-CF-CV-S-DDC201.21.dwg

DRAWN: J O DESIGNED: T. BUGAEV JOB MANAGER: J. GILLIGAN VERIFIER: .

NOT FOR CONSTRUCTION

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
1	JO	29.11.19	ISSUE FOR 75% DESIGN DOCUMENTATION
2	JO	20.12.19	ISSUED FOR DETAILED DESIGN DOCUMENTATION

ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK, NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.

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Vince Pedavoli NSW reg No.5045

PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS
NEW HIGH QUALITY CLASSROOMS

DRAWING NAME
GENERAL ARRANGEMENT PLAN

PROJECT NORTH
NORTH

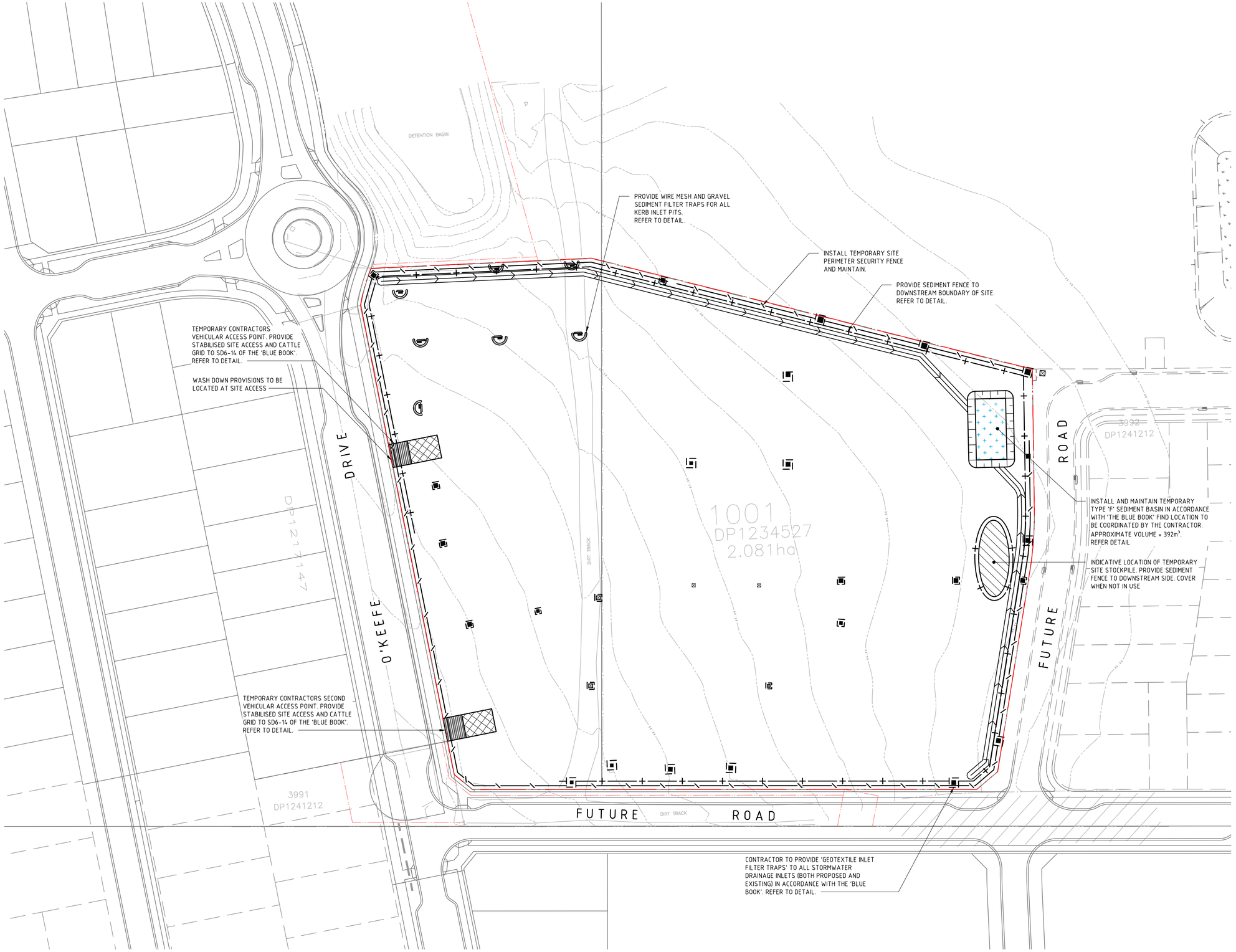
SCALE 1:800 @ A1 0 10 20 30 40m

DRAWN	CHECKED	VERIFIED	DATE
JO	JG	JG	20.12.19

DRAWING NUMBER
PROJECT CODE SCH.REF. DISC. TYPE SERIES#
NHQC2-CF-CV-S-DDC201.21

REVISION
2

DESIGNED: T. BUGAEV
DRAWN: J. O
JOB MANAGER: J. GILLIGAN
VERIFIER: .



LEGEND

- PROPOSED BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EXISTING CONTOURS
- SEDIMENT FENCE
- SECURITY FENCE
- WIRE MESH AND GRAVEL INLET FILTER
- GEOTEXTILE INLET FILTER TRAPS
- DRAINAGE SWALE
- STABILISED SITE ACCESS
- STOCKPILE
- SEDIMENT BASIN

SITE PARAMETERS	
CONSTRAINT	VALUE
SEDIMENT TYPE	D
SOIL HYDROLOGY GROUP	C
K = SOIL ERODIBILITY (K-FACTOR)	0.050
R = RAINFALL EROSIVITY (R-FACTOR)	3157
S = 2 YEAR, 6 HOUR STORM INTENSITY	12.1 mm/hr (LAKE HAVEN)
LS = SLOPE LENGTH/GRADIENT	0.87 (150m SLOPE @ 3% GRADE)
P = EROSION CONTROL PRACTICE (P-FACTOR)	1.3 (TYPICAL)
C = GROUND COVER (C-FACTOR)	1.0 (TYPICAL FOR STRIPPED SITE)
SOIL LOSS (RUSLE METHOD) (tonnes/ha/yr)	179
EROSION HAZARD (TABLE 4.2 BLUE BOOK)	LOW BASIN/TANKS REQUIRED

SEDIMENT BASIN/TANKS SIZING		
CONSTRAINT	VALUE	UNITS
CV = VOLUMETRIC RUNOFF COEFFICIENT	0.5	
R = 5 DAY, 75TH PERCENTILE RAINFALL	25.1	mm/hr
A = CATCHMENT AREA	2.08	ha
SETTLING ZONE VOLUME (10xCVxRxA)	261	m^3
SOIL LOSS (CALC ABOVE)	138	m^3/ha/yr
A2 = DISTURBED CATCHMENT AREA	2.08	ha
SEDIMENT STORAGE VOLUME (0.17xSOIL LOSSxA2)	131	m^3
TOTAL BASIN/TANKS VOLUME REQUIRED	392	m^3

NOT FOR CONSTRUCTION

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
1	JO	29.11.19	ISSUE FOR 75% DESIGN DOCUMENTATION
2	JO	20.12.19	ISSUED FOR DETAILED DESIGN DOCUMENTATION
3	JO	07.02.20	RE-ISSUED FOR DETAILED DESIGN DOCUMENTATION

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PERUMAL PEDAVOLI ARCHITECTS

CATHERINE FIELD PS
NEW HIGH QUALITY CLASSROOMS

DRAWING NAME
SEDIMENT AND SOIL EROSION CONTROL PLAN

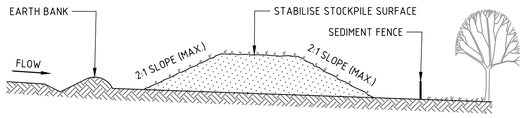
PROJECT NORTH
NORTH

SCALE 1:500 @ A1 0 5 10 15 20 25m

DRAWN	CHECKED	VERIFIED	DATE
JO	JG	JG	20.12.19

DRAWING NUMBER
PROJECT CODE SCH.REF. DISC. TYPE SERIES#
NHQC2-CF-CV-S-DDC202.01

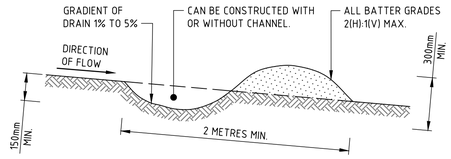
REVISION 3



CONSTRUCTION NOTES

1. PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.

STOCKPILE

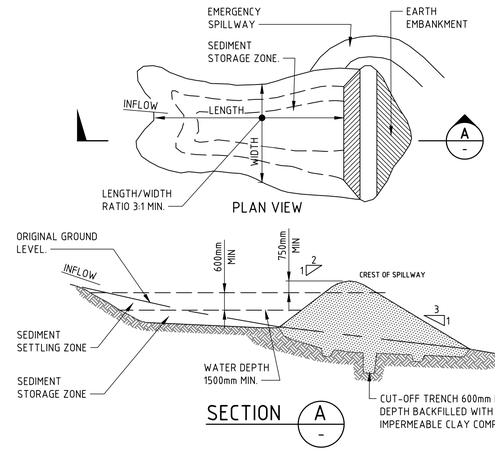


CONSTRUCTION NOTES

1. BUILD WITH GRADIENTS BETWEEN 1 AND 5 PERCENT.
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.
3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.
5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

NOTE: ONLY TO BE USED AS TEMPORARY BANK
WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.

DRAINAGE SWALE

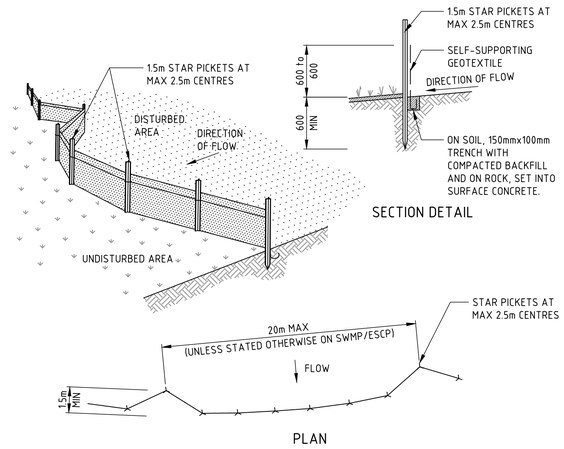


CONSTRUCTION NOTES

1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95 PER CENT STANDARD PROCTOR DENSITY.
4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OR FOREIGN MATERIAL.
5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING TO AT LEAST 100mm TO HELP BOND COMPACTED FILL TO THE EXISTING SUBSTRATE.
6. SPREAD THE FILL IN 100mm TO 150mm LAYERS AND COMPACT IT AT OPTIMUM MOISTURE CONTENT FOLLOWING THE SWMP.
7. CONSTRUCT THE EMERGENCY SPILLWAY.
8. REHABILITATE THE STRUCTURE FOLLOWING THE SWMP.

(APPLIES TO 'TYPE D' AND 'TYPE F' SOILS ONLY)

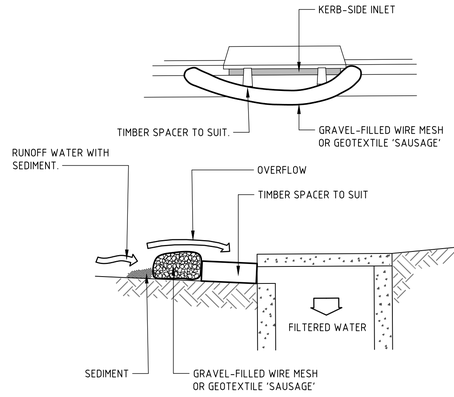
SEDIMENT BASIN - WET



CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

SEDIMENT FENCE

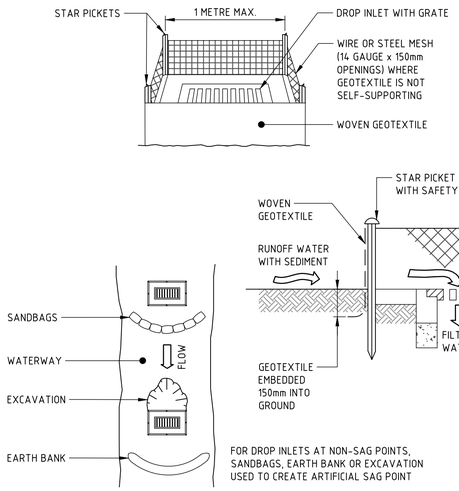


NOTE:THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN APPROVED SWMP/ESCP.

CONSTRUCTION NOTES

1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

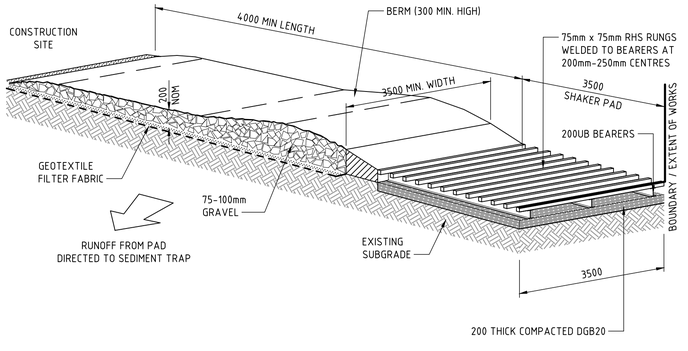
WIRE MESH AND GRAVEL SEDIMENT FILTER



CONSTRUCTION NOTES

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. FOLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER TRAPS



MAINTENANCE

- THE TEMPORARY ACCESS SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY,
- THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL GRAVEL AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT,
- ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.
- INSTALL BARRIER ON EITHER SIDE OF SHAKER PAD TO ENSURE VEHICLES ARE GUIDED ON TO THE PAD.
- INVERT OF SHAKER PAD TO BE DRAINED VIA AGRICULTURAL PIPE WRAPPED IN GEOTEXTILE FABRIC.

STABILISED SITE ACCESS

NOT FOR CONSTRUCTION

Found : T:\2019 Jobs\190518 - New High Quality Classrooms Package 2 - HY\02 - Catherine Field\D-Drawings\D-Northrop\C-CIVIL\3-CAD\2-CAD FILES\2-DDWG\NHQC2-CF-CV-S-DDC202.11.dwg
Plotted By : JO
Date : 20.12.2019 2:58 PM
DESIGNED: T. BUGAEV
DRAWN: J O
JOB MANAGER: J. GILLIGAN
VERIFIER: .

AMMENDMENTS

REV	BY	DATE	DESCRIPTION
1	JO	29.11.19	ISSUE FOR 75% DESIGN DOCUMENTATION
2	JO	20.12.19	ISSUED FOR DETAILED DESIGN DOCUMENTATION

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CATHERINE FIELD PS
NEW HIGH QUALITY CLASSROOMS

DRAWING NAME
SEDIMENT AND SOIL EROSION CONTROL DETAILS

PROJECT NORTH

DRAWN	CHECKED	VERIFIED	DATE
JO	JG	JG	20.12.19

DRAWING NUMBER

PROJECT CODE	SCH.REF.	DISC. TYPE	SERIES#	REVISION
NHQC2-CF-CV-S-DDC202.11				2