

NSW DEPARTMENT OF EDUCATION

NORTH KELLYVILLE NEW PRIMARY SCHOOL

Hezlett Road, Kellyville North

DRAWING LIST - DEVELOPMENT APPLICATION		
PROJECT No.	SHEET	TITLE

1. ARCHITECTURAL		
0000 KEY DRAWINGS & EXIST CONDITIONS		
21-26108-KN-SD	AR-0000	COVER SHEET, LOCALITY PLAN & DRG LIST
21-26108-KN-SD	AR-0001	LOCATION / SITE PLAN
21-26108-KN-SD	AR-0006	BUILDING FABRIC AND FINISHES SCHEDULE
21-26108-KN-SD	AR-0100	SITE ANALYSIS
21-26108-KN-SD	AR-0500	PERSPECTIVE
21-26108-KN-SD	AR-0501	PERSPECTIVE
1000 SITEWORKS		
21-26108-KN-SD	AR-1000	MAIN BUILDING SETOUT PLAN
21-26108-KN-SD	AR-1100	SITE PLAN - ACCESS DIAGRAM
2000 PLANS		
21-26108-KN-SD	AR-2000	FLOOR PLAN - LEVEL 1
21-26108-KN-SD	AR-2001	FLOOR PLAN - LEVEL 2
21-26108-KN-SD	AR-2003	ROOF PLAN
21-26108-KN-SD	AR-2010	ROOM SCHEDULE
3000 BUILDING ELEVATIONS		
21-26108-KN-SD	AR-3000	BUILDING ELEVATIONS - WITH LOUVRES
21-26108-KN-SD	AR-3001	BUILDING ELEVATIONS - WITHOUT LOUVRES
21-26108-KN-SD	AR-3002	COURTYARD ELEVATIONS
3000 MAJOR BUILDING SECTIONS		
21-26108-KN-SD	AR-3100	BUILDING SECTIONS
21-26108-KN-SD	AR-3101	BUILDING SECTIONS
4000 DETAIL PLANS ELEVATIONS AND SECTIONS		
21-26108-KN-SD	AR-4000	TYPICAL DETAIL WALL SECTION
21-26108-KN-SD	AR-4001	TYPICAL DETAIL WALL SECTION (COURTYARD)
5000 SERIES BUILDING FABRIC DETAILS		
21-26108-KN-SD	AR-5050	FAÇADE DETAIL - SHEET 1
21-26108-KN-SD	AR-5200	FAÇADE WINDOW AND LOUVRE DETAILS
7000 INTERNAL LAYOUTS & DETAILS		
21-26108-KN-SD	AR-7001	TYPICAL HOMEBASE NODE FURNITURE PLAN
21-26108-KN-SD	AR-7002	ROOM PLANS & ELEVATIONS - SHEET 1
21-26108-KN-SD	AR-7011	ROOM PLANS & ELEVATIONS - SHEET 10
9000 SHADOW DIAGRAMS		
21-26108-KN-SD	AR-9000	SHADOW ANALYSIS - MARCH 20
21-26108-KN-SD	AR-9001	SHADOW ANALYSIS - JUNE 22
21-26108-KN-SD	AR-9002	SHADOW ANALYSIS - SEPTEMBER 22
21-26108-KN-SD	AR-9003	SHADOW ANALYSIS - DECEMBER 22

DRAWING LIST - DEVELOPMENT APPLICATION		
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2. LANDSCAPE		
21-26108-KN-SD	LA-0001	SITE PLAN
21-26108-KN-SD	LA-0002	GENERAL ARRANGEMENT PLAN SHEET 1 OF 3
21-26108-KN-SD	LA-0003	GENERAL ARRANGEMENT PLAN SHEET 2 OF 3
21-26108-KN-SD	LA-0004	LEVELS AND RETAINING WALL LAYOUT PLAN
21-26108-KN-SD	LA-0005	GENERAL ARRANGEMENT PLAN SHEET 3 OF 3
3. CIVIL		
21-26108-KN-SD	CI-1010	STORMWATER PLAN
21-26108-KN-SD	CI-1011	STORMWATER DRAINAGE PLAN-SHEET 1 OF 3
21-26108-KN-SD	CI-1012	STORMWATER DRAINAGE PLAN-SHEET 2 OF 3
21-26108-KN-SD	CI-1013	STORMWATER DRAINAGE PLAN-SHEET 3 OF 3
21-26108-KN-SD	CI-1015	STORMWATER DRAINAGE DETAILS-SHEET 1 OF 2
21-26108-KN-SD	CI-1016	STORMWATER DRAINAGE DETAILS-SHEET 2 OF 2
21-26108-KN-SD	CI-1020	PAVEMENT PLAN
21-26108-KN-SD	CI-1025	CIVIL - ROAD WORKS DETAILS
21-26108-KN-SD	CI-1030	EARTHWORKS PLAN
21-26108-KN-SD	CI-1035	EROSION AND SEDIMENT CONTROL PLAN
21-26108-KN-SD	CI-1036	EROSION AND SEDIMENT CONTROL DETAILS



--- SITE BOUNDARY
 ——— EXTENT OF DOE LAND HOLDING

LOCATION PLAN
 NOT TO SCALE

NSW GOVERNMENT
 Planning

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. **SSD 8344**

granted on the **16 MAR 2018**

Signed *[Signature]*

Sheet **1** of **44**

DEVELOPMENT APPLICATION

M	SSD SUBMISSION	LR	MD*	BM*	24.11.2017		
L	PRELIMINARY SD SUBMISSION	LR	MD*	BM*	23.11.2017		
K	SCHEME DESIGN FOR APPROVAL	LR	MD*	MW*	20.09.2017		
J	SD SUBMISSION	LR	MD*	MW*	31.08.2017		
H	SSD SUBMISSION	LR	SM*	MW*	29.08.2017		
G	SSD SUBMISSION	LR	SM*	MW*	11.08.2017		
F	TENDER ADDENDUM 02	KV	SM	MW	28.07.2017		
E	TENDER ADDENDUM 01	LR	SM	MW	21.07.2017		
No	Revision	Note	* indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



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Drafting Check	S. BEATON*	Design Check	P. THATCHER*
Approved (Project Director)	A. MILLER		
Nominated / Responsible Architect	A. MILLER		
Scale	N T S		

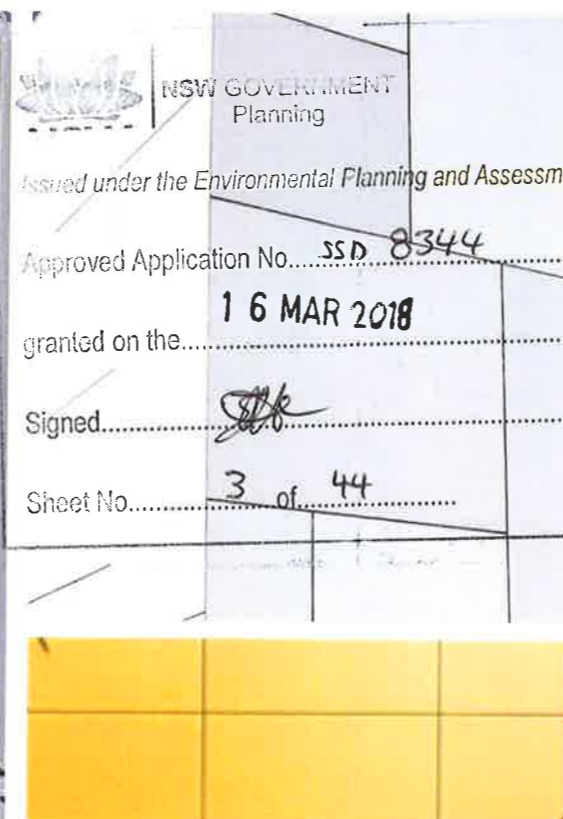
Client	NSW DEPARTMENT OF EDUCATION		
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL		
Title	COVER SHEET, LOCALITY PLAN & DRG LIST		
Original Size	A1	Drawing No:	21-26108 - KN-SD - AR-0000
Rev:	M		



Anodised horizontal louvres to North facing homebases



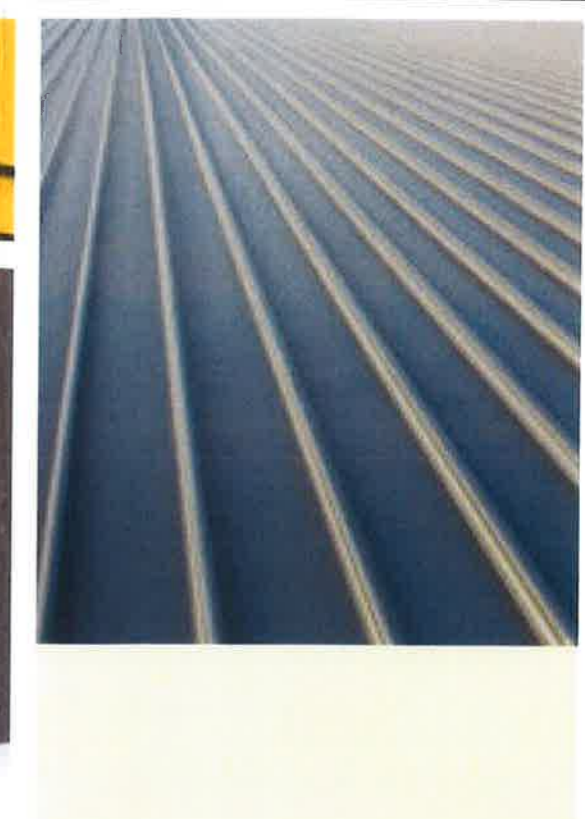
Anodised vertical louvres to South, East and West homebases



Compressed fibre cement facade cladding



Aluminium composite panel below window sills to homebases



Metal deck roofing
Colour: Colorbond Surfemist



Louvre windows to homebases



Acoustic baffle ceiling to maker spaces



Metal pan ceiling to homebases



Pinboard feature walls to homebases and breakout spaces



Vinyl flooring to maker spaces



Timber laminate joinery



Carpet tiles to homebases

DEVELOPMENT APPLICATION

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A	ISSUED FOR TENDER	LR	SM*	MW*	28.06.2017



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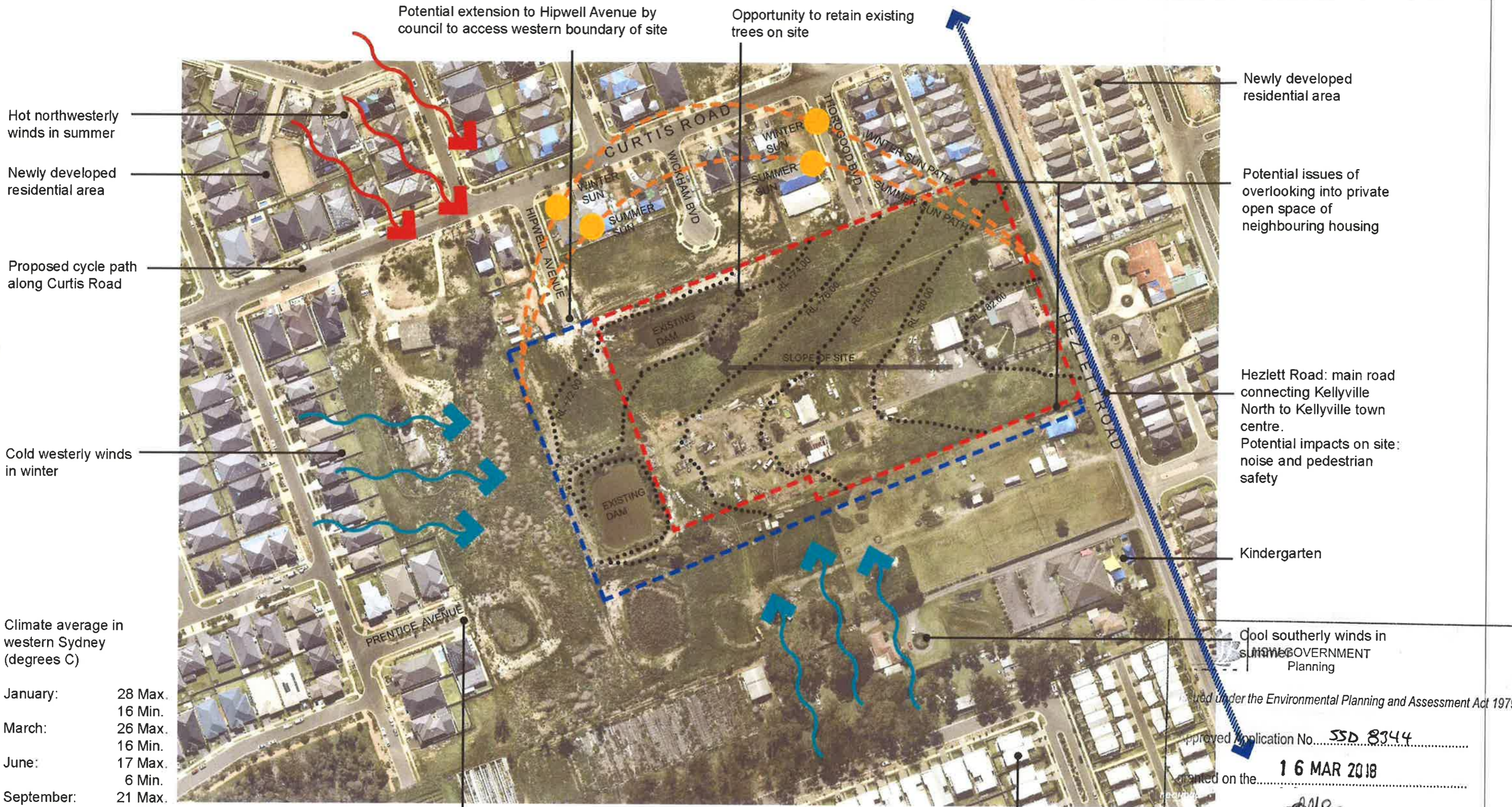
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Nominated / Responsible Architect	A. MILLER		
Scale	N T S		

Client **NSW DEPARTMENT OF EDUCATION**
Project **NORTH KELLYVILLE NEW PRIMARY SCHOOL**

Title **BUILDING FABRIC AND FINISHES SCHEDULE**

Original Size **A1** Drawing No: **21-26108 - KN-SD - AR-0006** Rev: **G**



Hot northwesterly winds in summer

Newly developed residential area

Proposed cycle path along Curtis Road

Cold westerly winds in winter

Climate average in western Sydney (degrees C)

January:	28 Max. 16 Min.
March:	26 Max. 16 Min.
June:	17 Max. 6 Min.
September:	21 Max. 8 Min.

Potential extension to Hipwell Avenue by council to access western boundary of site

Opportunity to retain existing trees on site

Newly developed residential area

Potential issues of overlooking into private open space of neighbouring housing

Hezlett Road: main road connecting Kellyville North to Kellyville town centre.
Potential impacts on site: noise and pedestrian safety

Kindergarten

Potential extension to Prentice Road by council to access south western corner of site

Newly developed residential area

NSW GOVERNMENT Planning

Approved Under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8344

Granted on the 16 MAR 2018

Signed: *[Signature]*

Sheet No. 4 Approx. 40km to 44 Sydney CBD

DEVELOPMENT APPLICATION

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Approved (Project Director)	Nominated / Responsible Architect A. MILLER	
Scale N T S	This Drawing must not be used for Construction unless signed as Approved	

Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL
Title	SITE ANALYSIS
Original Size	A1
Drawing No:	21-26108 - KN-SD - AR-0100
Rev:	H




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J		SSD SUBMISSION	LR	MD*	BM*	24.11.2017
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D		SSD SUBMISSION	LR	SM*	MW*	11.08.2017
C		REISSUED FOR TENDER	LR	SM*	MW*	28.06.2017
B		40% SCHEME/TENDER ISSUE	LR	SM	MW	16.06.2017



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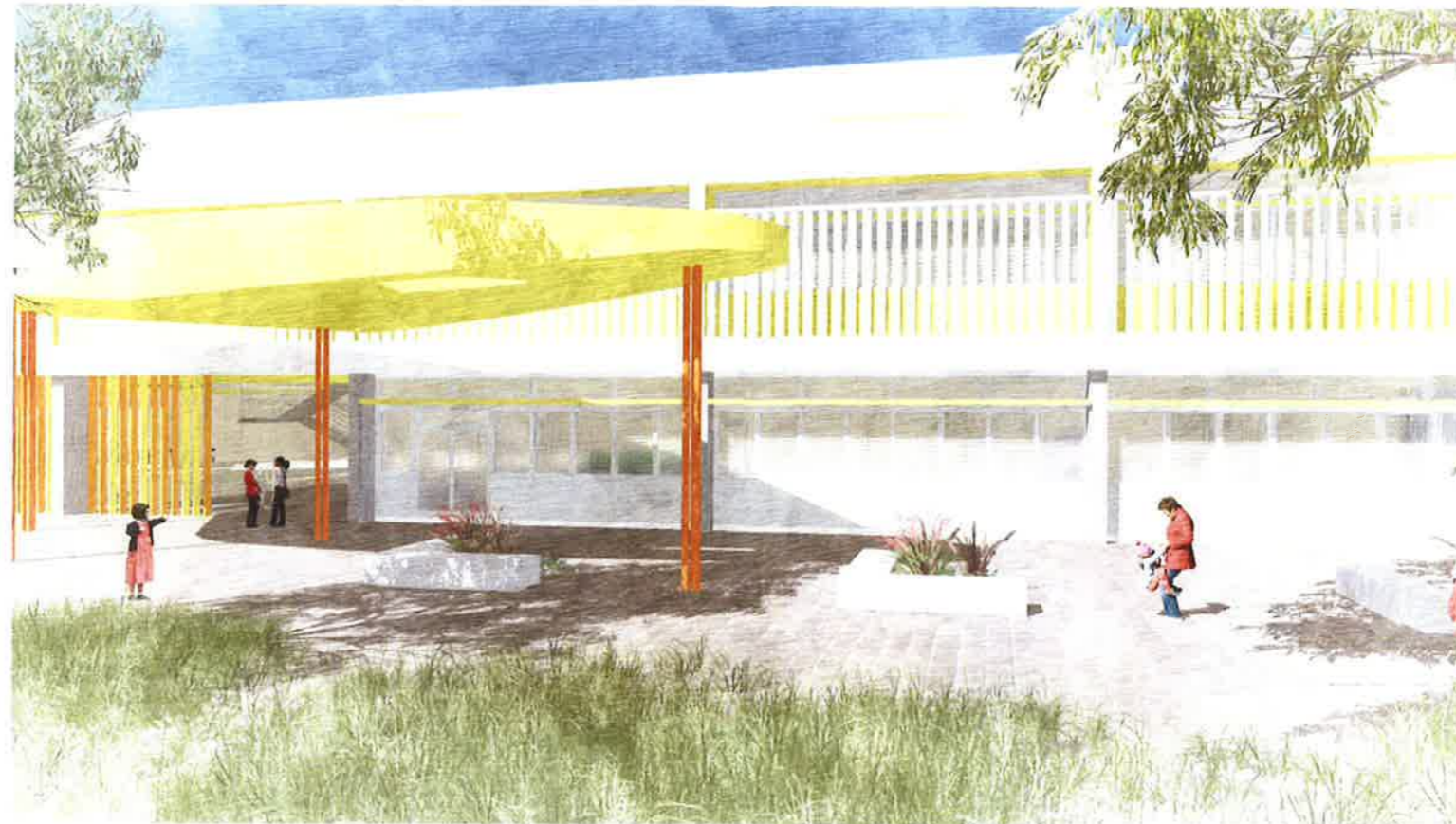
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Drafting Check	S. BEATON*	Design Check	P. THATCHER*
Approved (Project Director)	A. MILLER		
Nominated / Responsible Architect	A. MILLER		
Scale	N T S		

Client **NSW DEPARTMENT OF EDUCATION**
 Project **NORTH KELLYVILLE NEW PRIMARY SCHOOL**

Title **PERSPECTIVE**

Original Size **A1** Drawing No: **21-26108 - KN-SD - AR-0500** Rev: **J**



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DEVELOPMENT APPLICATION

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B		40% SCHEME/TENDER ISSUE	LR	SM*	MW*	16.06.2017
A		ISSUED FOR SSD DEVELOPMENT APPLICATION	LR	SM*	MW*	09.06.2017



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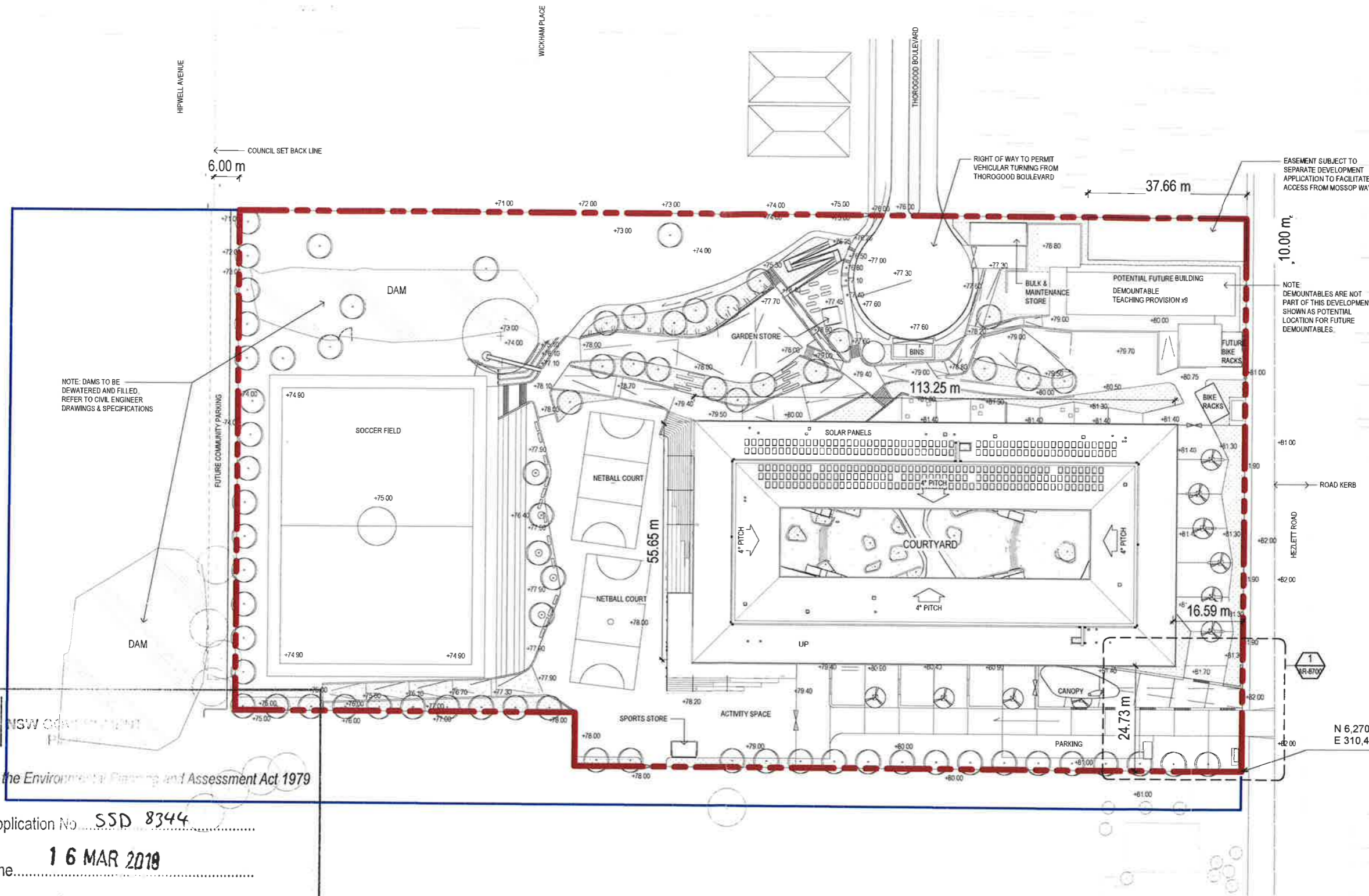
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Drafting Check	A. MACLEAN*	Design Check	P. THATCHER*
Approved (Project Director)	A. MILLER		
Nominated / Responsible Architect	A. MILLER		
Scale	N T S		

Client **NSW DEPARTMENT OF EDUCATION**
Project **NORTH KELLYVILLE NEW PRIMARY SCHOOL**

Title **PERSPECTIVE**

Original Size **A1** Drawing No: **21-26108 - KN-SD - AR-0501** Rev: **G**



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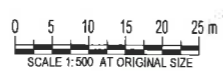
Sheet No. 7 of 44

MAIN BUILDING SETOUT PLAN
SCALE 1:500

--- SCHOOL SITE BOUNDARY
 --- DOE LAND HOLDING

DEVELOPMENT APPLICATION

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L		SSD SUBMISSION	LR	MD*	BM*	24.11.2017
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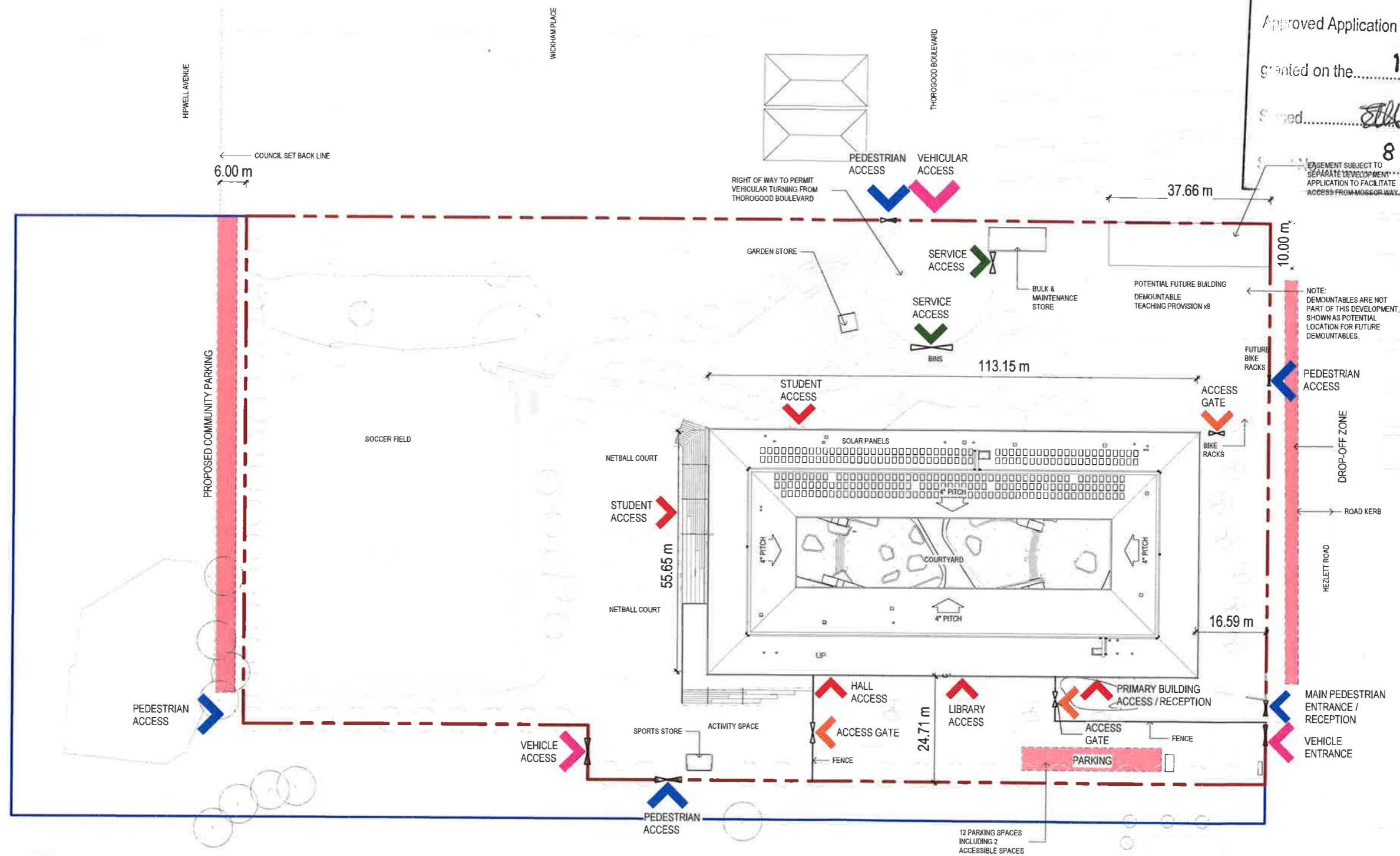
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 Drafting S. BEATON* Design Check P. THATCHER*
 Approved (Project Director) Nominated / Responsible Architect A. MILLER
 Scale 1:500

Client **NSW DEPARTMENT OF EDUCATION**
 Project **NORTH KELLYVILLE NEW PRIMARY SCHOOL**
 Title **MAIN BUILDING SETOUT PLAN**
 Drawing No: **21-26108 - KN-SD - AR-1000** Rev: **L**



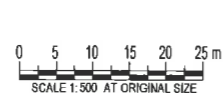
- LEGEND:**
- BOUNDARY PEDESTRIAN ACCESS
 - BOUNDARY VEHICULAR ACCESS
 - BUILDING ENTRY POINT
 - INTERNAL ACCESS GATE
 - SERVICE ACCESS
 - PARKING

SITE PLAN - ACCESS DIAGRAM
SCALE 1:500

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DEVELOPMENT APPLICATION

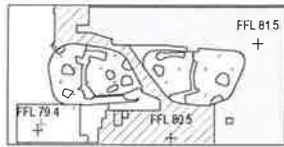
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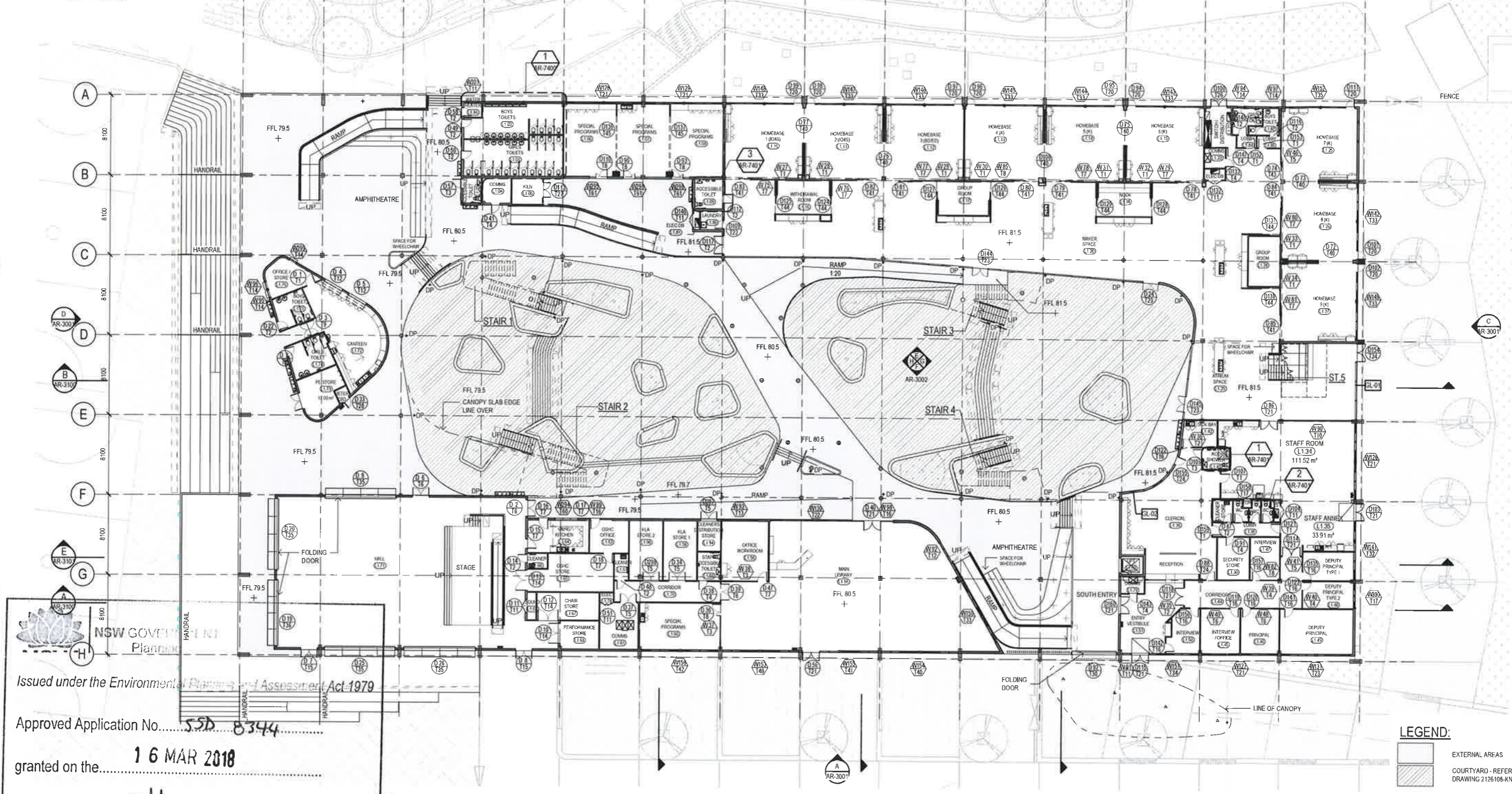
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Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL
Title	SITE PLAN - ACCESS DIAGRAM
Original Size	A1
Drawing No:	21-26108 - KN-SD - AR-1100
Rev:	B



KEY PLAN



FLOOR PLAN - LEVEL 1
SCALE 1:200

LEGEND:

- EXTERNAL AREAS
- COURTYARD - REFER TO LANDSCAPE DRAWING 21/26108-KN-SD-LA-0003

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Approved Application No. 550 8344

granted on the 16 MAR 2018

Signed [Signature]

Sheet No. 9 of 44

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N		SSD SUBMISSION	LR	MD*	BM*	24.11.2017
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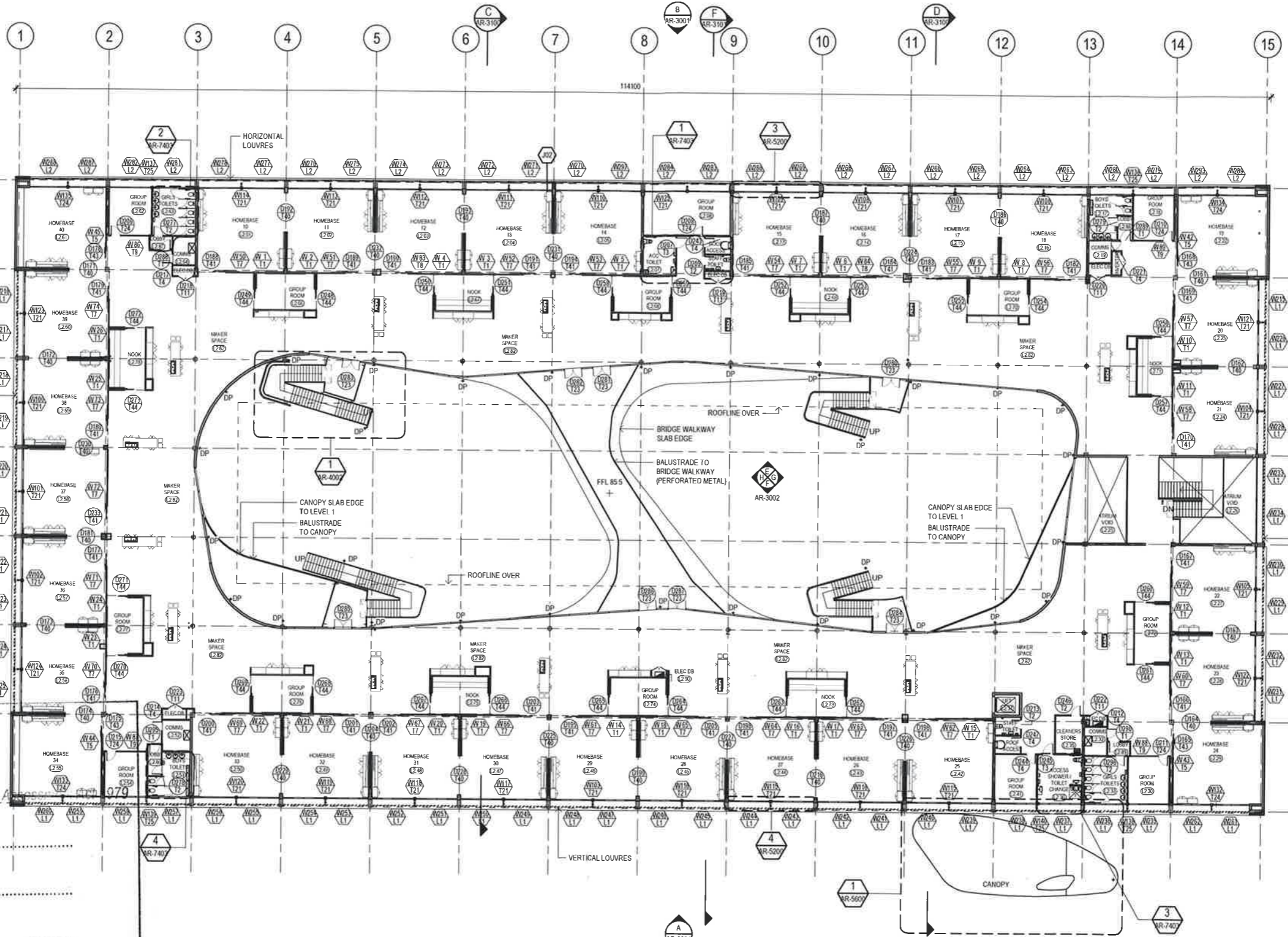
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Check	S. BEATON*	Design Check	P. THATCHER*
Approved (Project Director)	A. MILLER		
Nominated / Responsible Architect	A. MILLER		
Scale	As indicated		

Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL
Title	FLOOR PLAN - LEVEL 1
Original Size	A1
Drawing No:	21-26108-KN-SD-AR-2000
Rev:	N

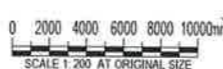


FLOOR PLAN - LEVEL 2
SCALE 1:200


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 Sheet No. 10 of 44

UNCOORDINATED WITH OTHER DISCIPLINES

No	Revision	Note	Drawn	Job Manager	Project Director	Date
N		SSD SUBMISSION	LR	MD*	BM*	24.11.2017
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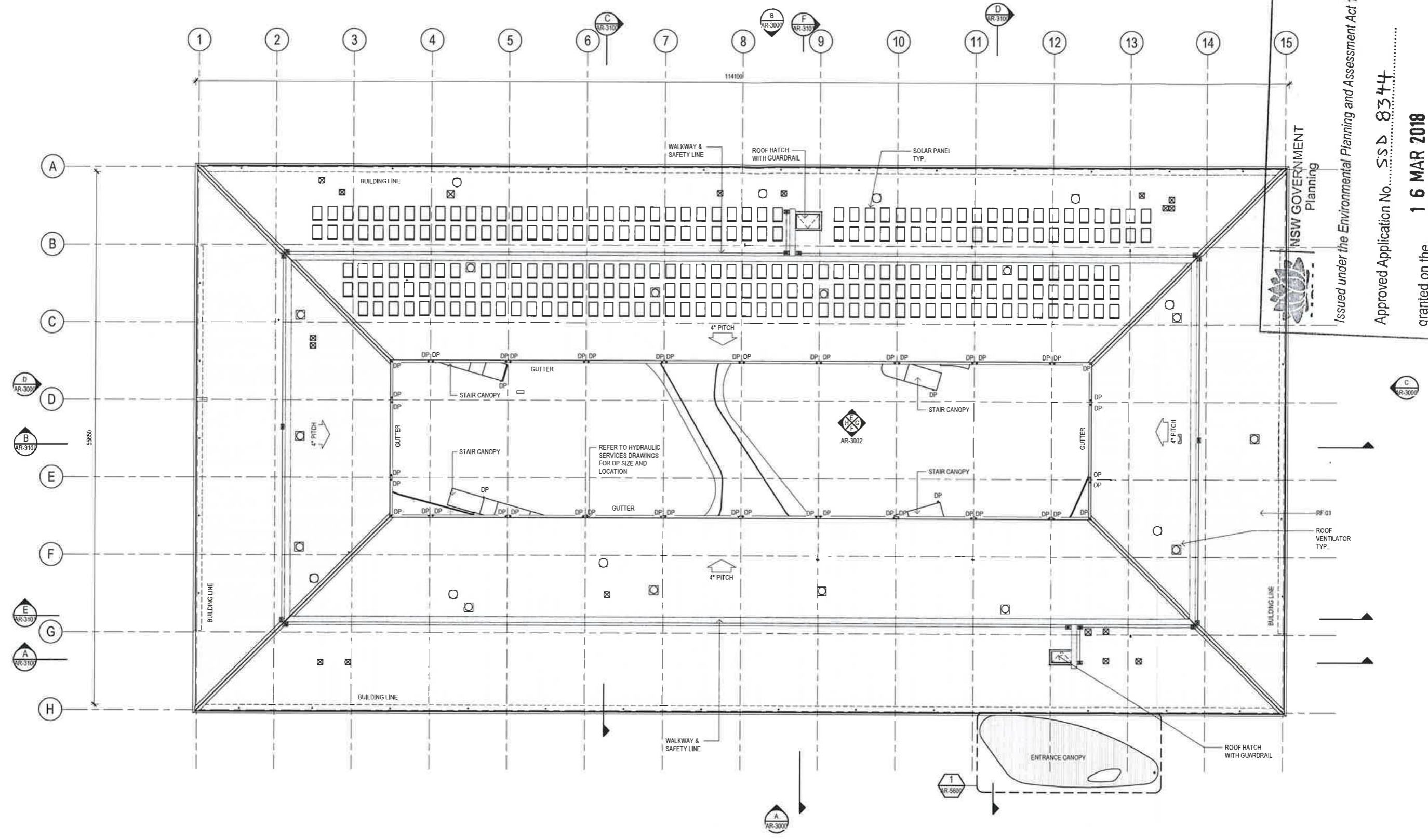
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 Design Check: P. THATCHER*
 Approved (Project Director): A. MILLER
 Nominated / Responsible Architect: A. MILLER
 Scale: 1:200
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DEVELOPMENT APPLICATION

Client: **NSW DEPARTMENT OF EDUCATION**
 Project: **NORTH KELLYVILLE NEW PRIMARY SCHOOL**
 Title: **FLOOR PLAN - LEVEL 2**
 Original Size: **A1**
 Drawing No: **21-26108 - KN-SD - AR-2001**
 Rev: **N**

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ROOF PLAN
 SCALE 1:200

DEVELOPMENT APPLICATION

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0 2000 4000 6000 8000 10000mm
 SCALE 1:200 AT ORIGINAL SIZE

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Drawn L. ROQUE Designer M. SLOANE
 Drafting Check S. BEATON* Design Check P. THATCHER*
 Approved (Project Director) Nominated / Responsible Architect A. MILLER
 Scale 1:200

Client NSW DEPARTMENT OF EDUCATION
 Project NORTH KELLYVILLE NEW PRIMARY SCHOOL
 Title ROOF PLAN
 Original Size A1 Drawing No: 21-26108 - KN-SD - AR-2003 Rev: M

ROOM SCHEDULE (STORES)			
ROOM NAME	ROOM NUMBER	AREA m ²	BRIEF AREA REQUIREMENT m ²
MAINTENANCE STORE	ST 02	32.50	30
GARDEN STORE	ST 03	13.35	13
BULK STORE	ST 01	32.40	32
SPORTS STORE	ST 04	17.75	17
Grand total 4		96.00	

ROOM SCHEDULE (LEVEL 1)			
ROOM NAME	ROOM NUMBER	AREA m ²	BRIEF AREA REQUIREMENT m ²
GIRLS TOILETS	L1 01	38.12	
BOYS TOILETS	L1 02	31.00	
ACCESSIBLE TOILET	L1 03	4.60	
COMMS	L1 04	7.34	4
KILN	L1 05	8.16	6
SPECIAL PROGRAMS	L1 06	38.94	38 WITH STORE
SPECIAL PROGRAMS	L1 07	39.01	38 WITH STORE
SPECIAL PROGRAMS	L1 08	38.94	38 WITH STORE
ACCESSIBLE TOILET	L1 09	8.27	
HOMEBASE 1 (IORS)	L1 10	58.88	60
HOMEBASE 2 (IORS)	L1 11	58.69	60
HOMEBASE 3 (BDVED)	L1 12	59.30	60
HOMEBASE 4 (K)	L1 13	59.15	60
HOMEBASE 5 (K)	L1 14	58.77	60
HOMEBASE 6 (K)	L1 15	59.32	60
WITHDRAWAL ROOM	L1 16	17.89	9 (SHARED x2)
GROUP ROOM	L1 17	17.22	9
NOOK	L1 18	17.89	9 (18) x2
MAKER SPACE	L1 20	497.96	
ELEC SWITCH / DISTRIBUTION	L1 21	11.07	
COMMS	L1 22	4.10	
ELEC DB	L1 23	2.26	
GIRLS TOILET	L1 24	6.76	
HOMEBASE 7 (K)	L1 25	54.88	60
HOMEBASE 8 (K)	L1 26	59.01	60
HOMEBASE 9 (K)	L1 27	59.98	60
GROUP ROOM	L1 28	16.61	9
ATRIUM SPACE	L1 29	133.21	
SECURITY STORE	L1 30	14.00	14
CLEANER STORE	L1 32	4.39	3
ELEC DB	L1 33	0.92	
STAFF ROOM	L1 34	111.52	99
STAFF ANNEX	L1 35	33.91	46
CLERICAL	L1 36	94.40	74
WC	L1 39	2.77	5
WC	L1 40	2.37	
WC	L1 41	2.37	
SICK BAY	L1 42	9.20	9
STAFF ACC SHOWER	L1 43	5.54	5.5
CORRIDOR	L1 44	37.96	
INTERVIEW / OFFICE	L1 45	17.79	17
PRINCIPAL	L1 46	17.79	17
INTERVIEW	L1 47	13.13	13
DEPUTY PRINCIPAL TYPE 2	L1 48	13.99	13
DEPUTY PRINCIPAL	L1 49	32.87	26
INTERVIEW	L1 50	13.07	13
ENTRY VESTIBULE	L1 51	37.97	22
LIFT	L1 52	4.21	
MAIN LIBRARY	L1 55	289.55	290
OFFICE WORKROOM	L1 56	28.40	27
CLEANER	L1 57	3.74	3
PLA STORE 1	L1 58	20.02	20
STAFF ACCESSIBLE TOILET	L1 59	6.60	
SPECIAL PROGRAMS	L1 60	38.29	38 WITH STORE
COMMS	L1 61	18.27	
STORE	L1 62	0.61	
OSHC OFFICE	L1 63	13.01	13
OSHC KITCHEN	L1 64	20.18	20
OSHC STORE	L1 65	30.14	30
CLEANER	L1 66	3.00	3
CHAIR STORE	L1 67	17.41	15
PERFORMANCE STORE	L1 68	11.05	11
SOUND	L1 69	2.50	2
CORRIDOR	L1 70	22.41	
HALL	L1 71	383.70	370
CANTEEN	L1 72	53.71	54
PE STORE	L1 73	17.09	17
GIRLS TOILET	L1 74	14.19	
BOYS TOILET	L1 75	10.65	
OFFICE / STORE	L1 76	13.20	13
ELEC	L1 78	1.20	
COMMS	L1 79	4.08	4
LAUNDRY	L1 80	4.17	8
ELEC DB	L1 81	1.14	
BOYS TOILET	L1 82	5.65	
LOBBY	L1 84	2.36	
LOBBY	L1 85	2.95	
WATER HEATER	L1 86	2.49	
METER CBD	L1 90	1.51	
DEPUTY PRINCIPAL TYPE 1	L1 93	14.74	13
CLEANERS DISTRIBUTION STORE	L1 94	7.01	
LOBBY	L1 95	9.68	
PLA STORE 2	L1 96	20.02	20
Grand total 83		3042.22	

ROOM SCHEDULE (LEVEL 2)			
ROOM NAME	ROOM NUMBER	AREA m ²	BRIEF AREA REQUIREMENT m ²
HOMEBASE 10	L2 01	59.10	60
HOMEBASE 11	L2 02	58.91	60
HOMEBASE 12	L2 03	58.77	60
HOMEBASE 13	L2 04	58.91	60
HOMEBASE 14	L2 05	59.18	60
ACC TOILET	L2 07	9.98	5.5
GROUP ROOM	L2 08	30.54	9
ROOF ACCESS	L2 09	3.62	
STAFF TOILET	L2 10	3.15	5
ELEC DB	L2 12	1.38	
HOMEBASE 15	L2 13	59.10	60
HOMEBASE 16	L2 14	58.77	60
HOMEBASE 17	L2 15	58.91	60
HOMEBASE 18	L2 16	59.10	60
BOYS TOILETS	L2 17	12.42	
GROUP ROOM	L2 18	15.21	9
COMMS	L2 19	4.00	4
ELEC DB	L2 20	2.00	
INVERTER	L2 21	1.68	
HOMEBASE 19	L2 22	58.34	60
HOMEBASE 20	L2 23	58.78	60
HOMEBASE 21	L2 24	59.76	60
ATRIUM VOID	L2 25	40.38	
ATRIUM VOID	L2 26	59.56	
HOMEBASE 22	L2 27	59.30	60
HOMEBASE 23	L2 28	59.08	60
HOMEBASE 24	L2 29	58.43	60
GROUP ROOM	L2 30	16.16	9
ELEC DB	L2 31	1.54	
COMMS	L2 32	5.12	4
GIRLS TOILETS	L2 33	16.24	
CLEANERS STORE	L2 35	8.24	7
ACCESS SHOWER / TOILET CHANGE	L2 36	17.06	
LIFT	L2 37	4.21	
STAFF TOILET	L2 39	3.72	5
ROOF ACCESS	L2 40	3.60	
GROUP ROOM	L2 41	16.64	9
HOMEBASE 25	L2 42	59.06	60
HOMEBASE 26	L2 43	58.86	60
HOMEBASE 27	L2 44	58.92	60
HOMEBASE 28	L2 45	58.91	60
HOMEBASE 29	L2 46	58.91	60
HOMEBASE 30	L2 47	58.91	60
HOMEBASE 31	L2 48	58.92	60
HOMEBASE 32	L2 49	58.92	60
HOMEBASE 33	L2 50	60.14	60
ELEC DB	L2 51	1.93	
COMMS	L2 52	7.09	4
BOYS TOILETS	L2 53	12.32	
GROUP ROOM	L2 54	15.21	9
HOMEBASE 34	L2 55	58.38	60
HOMEBASE 35	L2 56	59.11	60
HOMEBASE 36	L2 57	59.05	60
HOMEBASE 37	L2 58	59.09	60
HOMEBASE 38	L2 59	59.11	60
HOMEBASE 39	L2 60	59.08	60
HOMEBASE 40	L2 61	58.38	60
GROUP ROOM	L2 62	16.16	9
GIRLS TOILETS	L2 63	16.47	
COMMS	L2 64	5.12	4
ELEC DB	L2 65	1.76	
GROUP ROOM	L2 66	17.26	
NOOK	L2 67	16.61	9
GROUP ROOM	L2 68	17.27	9
NOOK	L2 69	16.61	9
GROUP ROOM	L2 70	17.26	9
NOOK	L2 71	17.27	9
GROUP ROOM	L2 72	17.92	9
NOOK	L2 73	17.25	9
GROUP ROOM	L2 74	17.25	9
NOOK	L2 75	17.25	9
GROUP ROOM	L2 76	17.92	9
GROUP ROOM	L2 77	16.61	9
NOOK	L2 78	17.27	9
MAKER SPACE	L2 82	1672.08	
LOBBY	L2 86	3.35	
LOBBY	L2 87	2.42	
LOBBY	L2 88	2.74	
LOBBY	L2 89	2.42	
ELEC DB	L2 90	0.67	
Grand total 60		4288.16	



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Approved Application No. SSD 8344

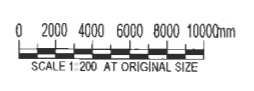
granted on the 16 MAR 2018

Signed [Signature]

Sheet No. 12 of 44

UNCOORDINATED WITH OTHER DISCIPLINES

No	Revision	Note	Drawn	Job Manager	Project Director	Date
N	SSD SUBMISSION		LR	MD*	BM*	24.11.2017
M	PRELIMINARY SD SUBMISSION		LR	MD*	BM*	23.11.2017
L	SD SUBMISSION		LR	MD*	MW*	02.11.2017
K	SCHEME DESIGN FOR APPROVAL		LR	MD*	MW*	20.09.2017
J	SD SUBMISSION		LR	SM*	MW*	31.08.2017
H	SSD SUBMISSION		LR	SM*	MW*	29.08.2017
G	SSD SUBMISSION		LR	SM*	MW*	11.08.2017
F	TENDER ADDENDUM 02		LR	SM	MW	28.07.2017



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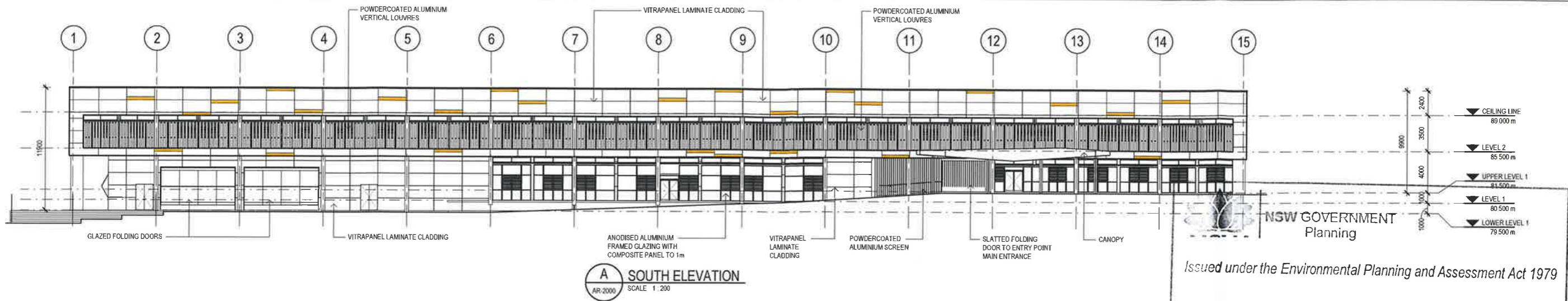
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Drafting Check: S. BEATON*	Design Check: P. THATCHER*
Approved (Project Director):	
Nominated / Responsible Architect: A. MILLER	
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DEVELOPMENT APPLICATION

Client: **NSW DEPARTMENT OF EDUCATION**
Project: **NORTH KELLYVILLE NEW PRIMARY SCHOOL**
Title: **ROOM SCHEDULE**

Original Size: **A1**
Drawing No: **21-26108 - KN-SD - AR-2010** Rev: **N**



A SOUTH ELEVATION
AR-2000 SCALE 1:200

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Planning

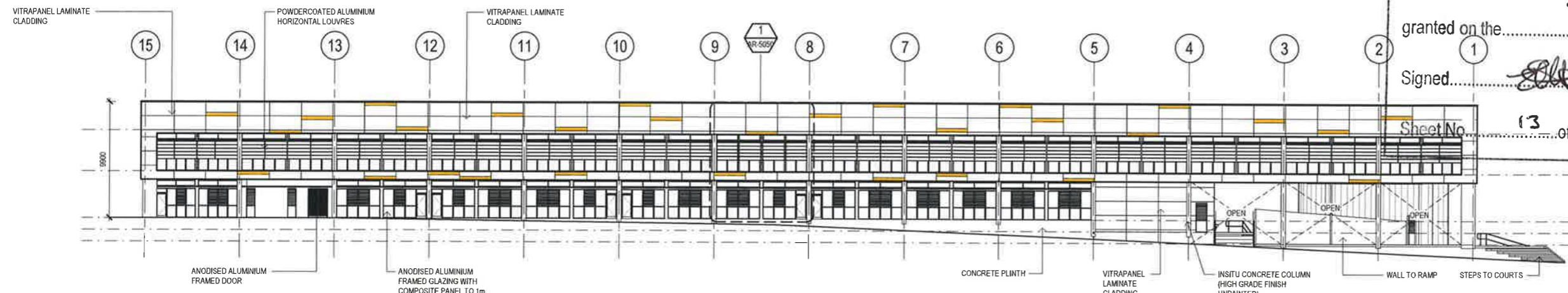
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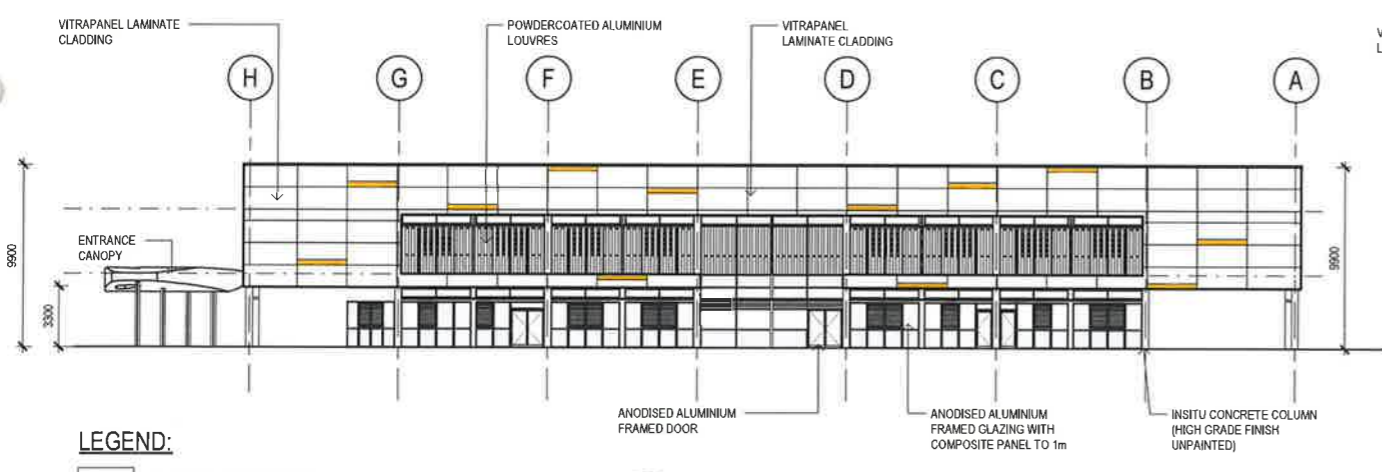
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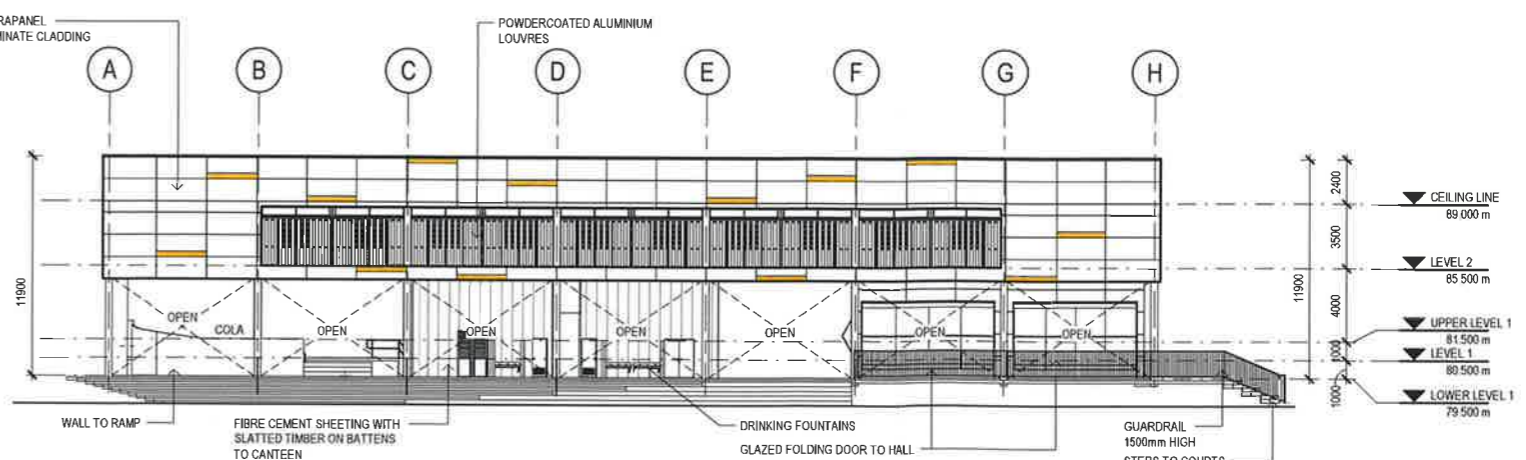
Sheet No. **13** of **44**



B NORTH ELEVATION
AR-2000 SCALE 1:200



C EAST ELEVATION
AR-2000 SCALE 1:200



D WEST ELEVATION
AR-2000 SCALE 1:200

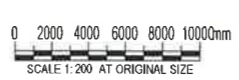
LEGEND:
 Vitrapanel F168 TYLDESLEY
 Vitrapanel L079 RICH YELLOW

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21-26108-KN-SD-AR-3001

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DEVELOPMENT APPLICATION

No	Revision	Note	Drawn	Job Manager	Project Director	Date
L	SSD SUBMISSION		LR	MD*	BM*	24.11.2017
K	PRELIMINARY SD SUBMISSION		LR	MD*	BM*	23.11.2017
J	SCHEME DESIGN FOR APPROVAL		LR	MD*	MW*	20.09.2017
H	SD SUBMISSION		LR	MD*	MW*	31.08.2017
G	SSD SUBMISSION		LR	SM*	MW*	29.08.2017
F	SSD SUBMISSION		LR	SM*	MW*	11.08.2017
E	TENDER ADDENDUM 02		LR	SM	MW	28.07.2017
D	REISSUED FOR TENDER		LR	SM	MW	28.06.2017

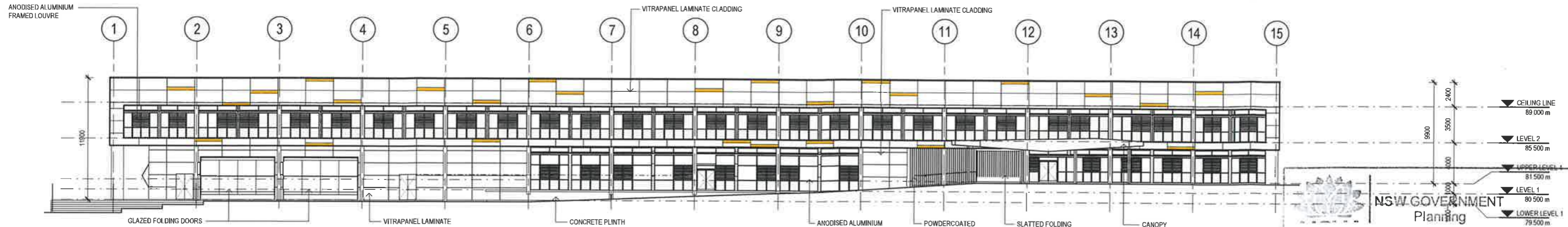


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 Drafting Check S. BEATON* Design Check P. THATCHER*
 Approved (Project Director) A. MILLER
 Nominated / Responsible Architect A. MILLER
 Scale 1:200

Client **NSW DEPARTMENT OF EDUCATION**
 Project **NORTH KELLYVILLE NEW PRIMARY SCHOOL**
 Title **BUILDING ELEVATIONS - WITH LOUVRES**
 Drawing No: **21-26108 - KN-SD - AR-3000** Rev: **L**



A SOUTH ELEVATION
AR-2000 SCALE 1:200

NSW GOVERNMENT
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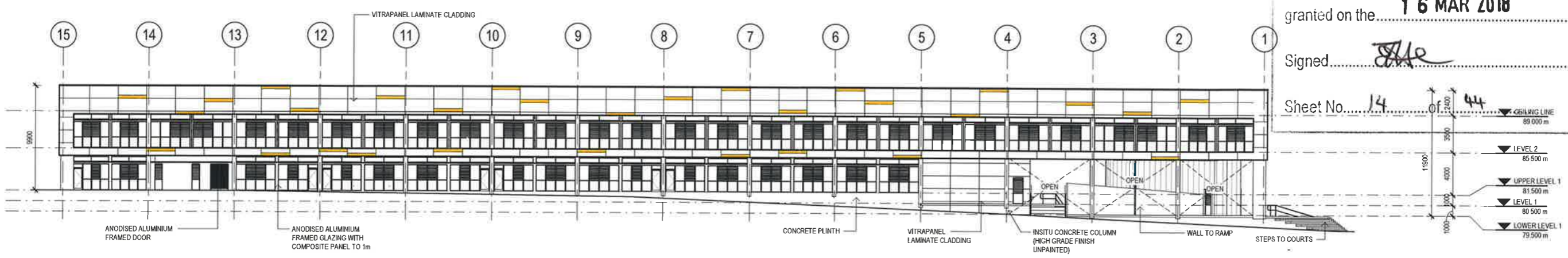
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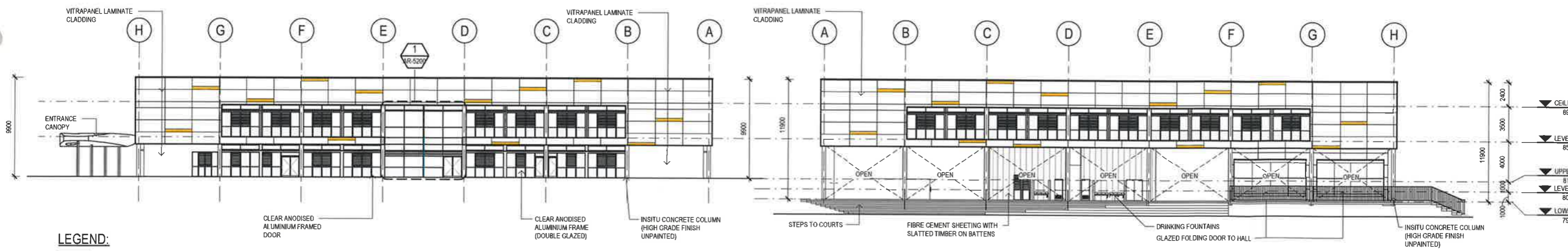
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Sheet No. **14** of **44**



B NORTH ELEVATION
AR-2000 SCALE 1:200



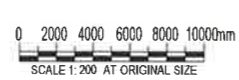
C EAST ELEVATION
AR-2000 SCALE 1:200

D WEST ELEVATION
AR-2000 SCALE 1:200

LEGEND:
 [White box] VITRAPANEL F168 TYLDESLEY
 [Yellow box] VITRAPANEL L079 RICH YELLOW

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K	PRELIMINARY SD SUBMISSION	LR	MD*	BM*	23.11.2017	
J	SCHEME DESIGN FOR APPROVAL	LR	MD*	MW*	20.08.2017	
H	SD SUBMISSION	LR	MD*	MW*	31.08.2017	
G	SSD SUBMISSION	LR	SM*	MW*	29.08.2017	
F	SSD SUBMISSION	LR	SM*	MW*	11.08.2017	
E	TENDER ADDENDUM 02	LR	SM	MW	28.07.2017	
D	ISSUED FOR TENDER	LR	SM	MW	28.06.2017	
No	Revision	Note: * Indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



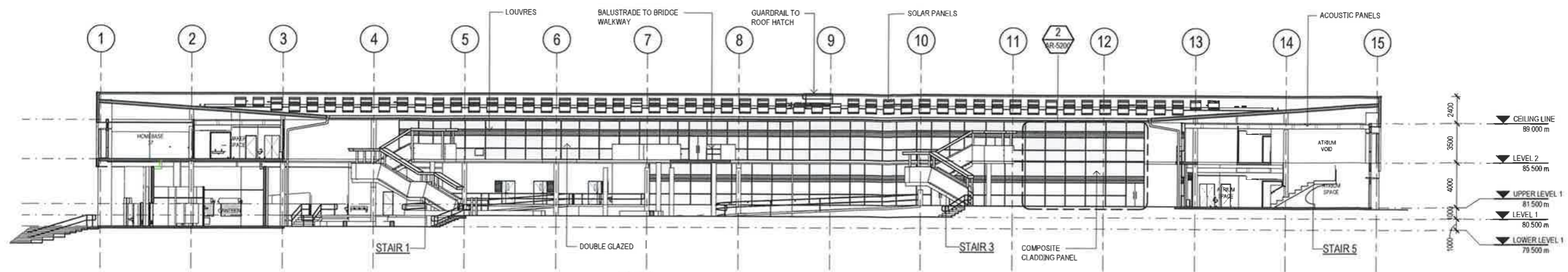
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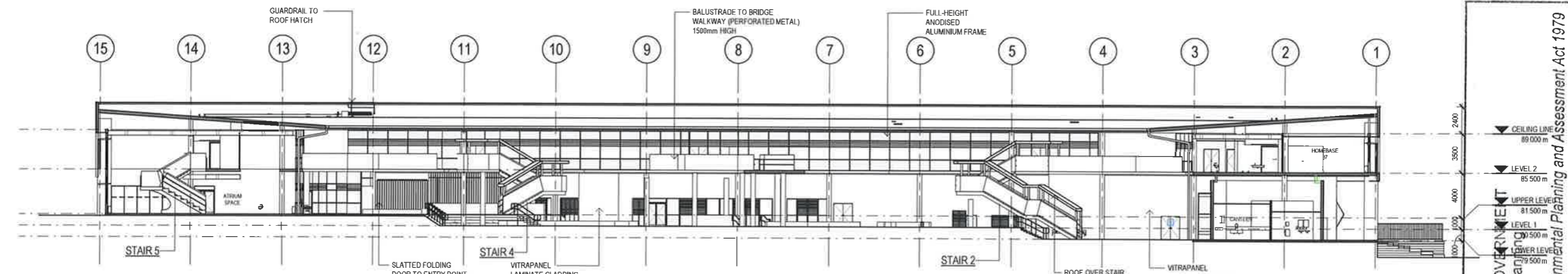
Drawn L. ROQUE Designer M. SLOANE
 Drafting Check S. BEATON* Design Check P. THATCHER*
 Approved (Project Director) A. MILLER
 Nominated / Responsible Architect A. MILLER
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Client **NSW DEPARTMENT OF EDUCATION**
 Project **NORTH KELLYVILLE NEW PRIMARY SCHOOL**
 Title **BUILDING ELEVATIONS - WITHOUT LOUVRES**
 Original Size **A1** Drawing No: **21-26108 - KN-SD - AR-3001** Rev: **L**

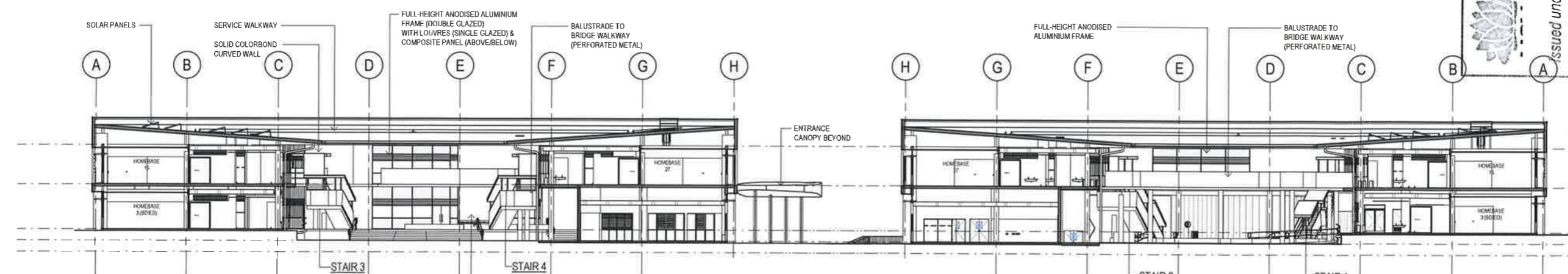
DEVELOPMENT APPLICATION



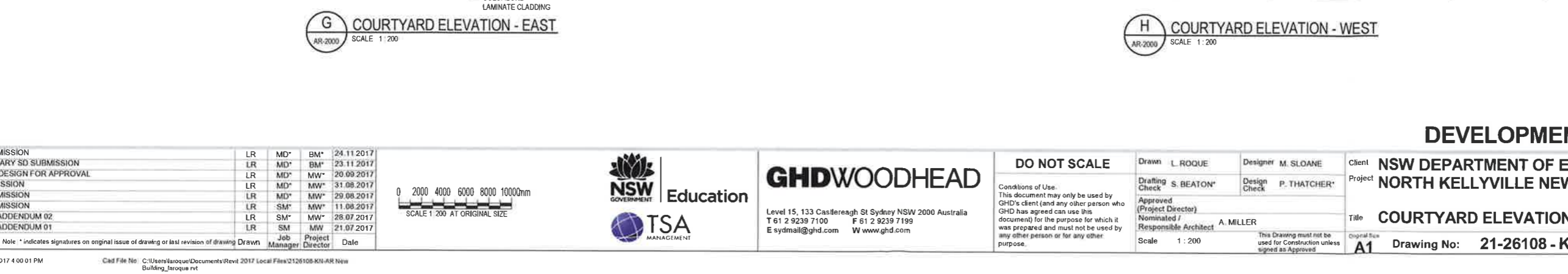
E COURTYARD ELEVATION - NORTH
AR-2000 SCALE 1:200



F COURTYARD ELEVATION - SOUTH
AR-2000 SCALE 1:200



G COURTYARD ELEVATION - EAST
AR-2000 SCALE 1:200



H COURTYARD ELEVATION - WEST
AR-2000 SCALE 1:200

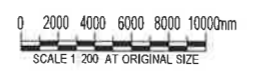
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Approved Application No. **SS.D. 8344**
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Signed: *[Signature]*

Sheet No. **15** of **44**

No	Revision	Note	Job Manager	Project Director	Date	
L	SSD SUBMISSION		LR	MD*	BM*	24.11.2017
K	PRELIMINARY SD SUBMISSION		LR	MD*	BM*	23.11.2017
J	SCHEME DESIGN FOR APPROVAL		LR	MD*	MW*	20.09.2017
H	SD SUBMISSION		LR	MD*	MW*	31.08.2017
G	SSD SUBMISSION		LR	MD*	MW*	29.08.2017
F	SSD SUBMISSION		LR	SM*	MW*	11.06.2017
E	TENDER ADDENDUM 02		LR	SM*	MW*	26.07.2017
D	TENDER ADDENDUM 01		LR	SM*	MW*	21.07.2017



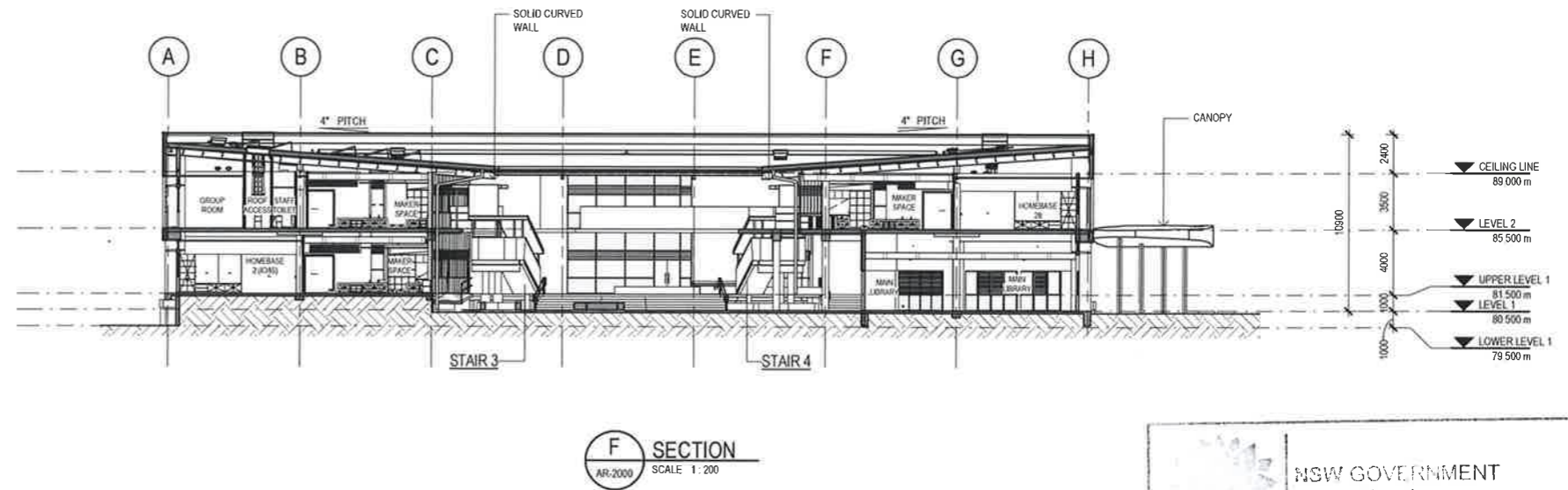
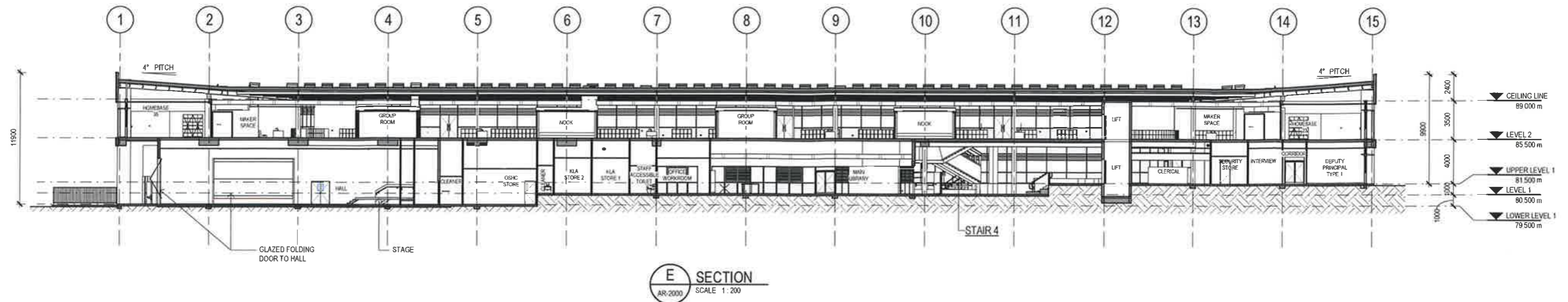
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Drafting Check	S. BEATON*	Design Check	P. THATCHER*
Approved (Project Director)	A. MILLER		
Nominated / Responsible Architect	A. MILLER		
Scale	1:200		

Client **NSW DEPARTMENT OF EDUCATION**
Project **NORTH KELLYVILLE NEW PRIMARY SCHOOL**
Title **COURTYARD ELEVATIONS**
Drawing No: **21-26108 - KN-SD - AR-3002** Rev: **L**

DEVELOPMENT APPLICATION



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No	Revision	Note	Drawn	Job Manager	Project Director	Date
J	SSD SUBMISSION		LR	MD*	BM*	24.11.2017
H	PRELIMINARY SD SUBMISSION		LR	MD*	BM*	23.11.2017
G	SD SUBMISSION		LR	MD*	BM*	02.11.2017
F	SCHEME DESIGN FOR APPROVAL		LR	PM*	MD*	20.09.2017
E	SD SUBMISSION		LR	PM*	MD*	31.08.2017
D	SSD SUBMISSION		LR	MD*	MW*	29.08.2017
C	SSD SUBMISSION		LR	MD*	MW*	11.08.2017
B	TENDER ADDENDUM 02		LR	MD*	MW*	28.07.2017



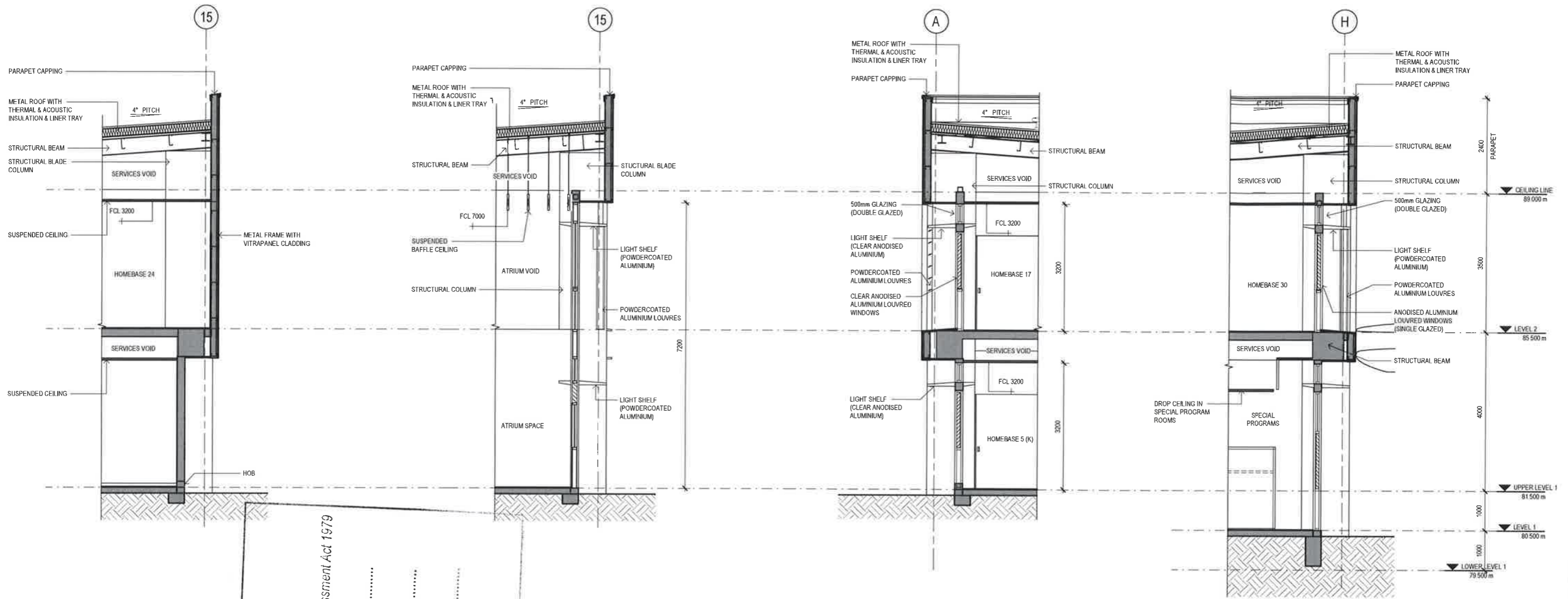
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Drafting Check	S. BEATON*	Design Check	P. THATCHER*
Approved (Project Director)	A. MILLER		
Nominated / Responsible Architect	A. MILLER		
Scale	1:200		

Client	NSW DEPARTMENT OF EDUCATION		
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL		
Title	BUILDING SECTIONS		
Original Size	A1	Drawing No:	21-26108 - KN-SD - AR-3101
Rev:	J		



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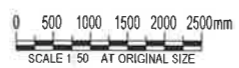
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AR-3100 SCALE 1:50

3 TYP - WALL SECTION 3
AR-3100 SCALE 1:50

4 TYP - WALL SECTION 4
AR-3100 SCALE 1:50

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 granted on the **16 MAR 2018**
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No	Revision	Note	Drawn	Job Manager	Project Director	Date
M	SSD SUBMISSION		LR	MD*	BM*	24.11.2017
L	PRELIMINARY SD SUBMISSION		LR	MD*	BM*	23.11.2017
K	SCHEME DESIGN FOR APPROVAL		LR	MD*	MW*	20.09.2017
J	SD SUBMISSION		LR	MD*	MW*	31.08.2017
H	SSD SUBMISSION		LR	SM*	MW*	29.08.2017
G	SSD SUBMISSION		LR	SM*	MW*	11.08.2017
F	TENDER ADDENDUM 02		LR	SM	MW	28.07.2017
E	TENDER ADDENDUM 01		LR	SM	MW	21.07.2017



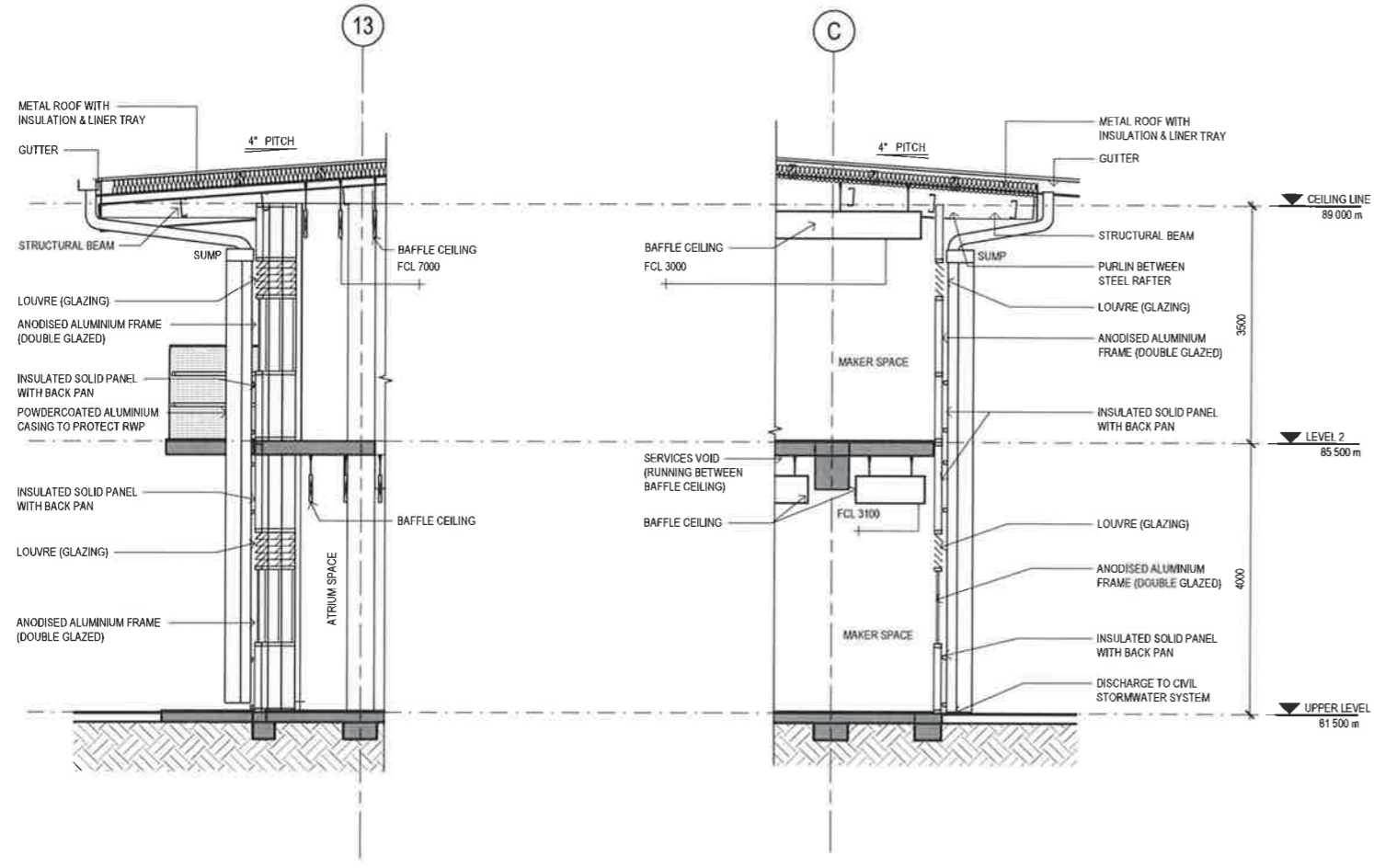
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 Drafting Check S. BEATON* Design Check P. THATCHER*
 Approved (Project Director)
 Nominated / Responsible Architect A. MILLER
 Scale 1:50
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DEVELOPMENT APPLICATION
 Client NSW DEPARTMENT OF EDUCATION
 Project NORTH KELLYVILLE NEW PRIMARY SCHOOL
 Title TYPICAL DETAIL WALL SECTION
 Drawing No: 21-26108 - KN-SD - AR-4000 Rev: M

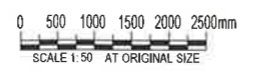
NSW GOVERNMENT
 Planning
 under the Environmental Planning and Assessment Act 1979
 Application No. SSD 8344
 dated on the 16 MAR 2018
 signed [Signature]
 sheet No. 19 of 44



1 TYP - COURTYARD WALL SECTION 1
 AR-3100 SCALE 1:50

2 TYP - COURTYARD WALL SECTION 2
 AR-3100 SCALE 1:50

No	Revision	Note	Drawn	Job Manager	Project Director	Date
L	SSD SUBMISSION		LR	MD*	BM*	24.11.2017
K	PRELIMINARY SD SUBMISSION		LR	MD*	BM*	23.11.2017
J	SCHEME DESIGN FOR APPROVAL		LR	MD*	MW*	20.09.2017
H	SD SUBMISSION		LR	MD*	MW*	31.08.2017
G	SSD SUBMISSION		LR	MD*	MW*	29.08.2017
F	SSD SUBMISSION		LR	SM*	MW*	11.08.2017
E	TENDER ADDENDUM 02		LR	SM*	MW*	28.07.2017
D	TENDER ADDENDUM 01		LR	SM	MW	21.07.2017



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Drafting Check	S. BEATON*	Design Check	P. THATCHER*
Approved (Project Director)			
Nominated / Responsible Architect	A. MILLER		
Scale	1:50		

Client **NSW DEPARTMENT OF EDUCATION**
 Project **NORTH KELLYVILLE NEW PRIMARY SCHOOL**
 Title **TYPICAL DETAIL WALL SECTION (COURTYARD)**
 Drawing No: **21-26108 - KN-SD - AR-4001** Rev: **L**

DEVELOPMENT APPLICATION

NSW GOVERNMENT
Planning

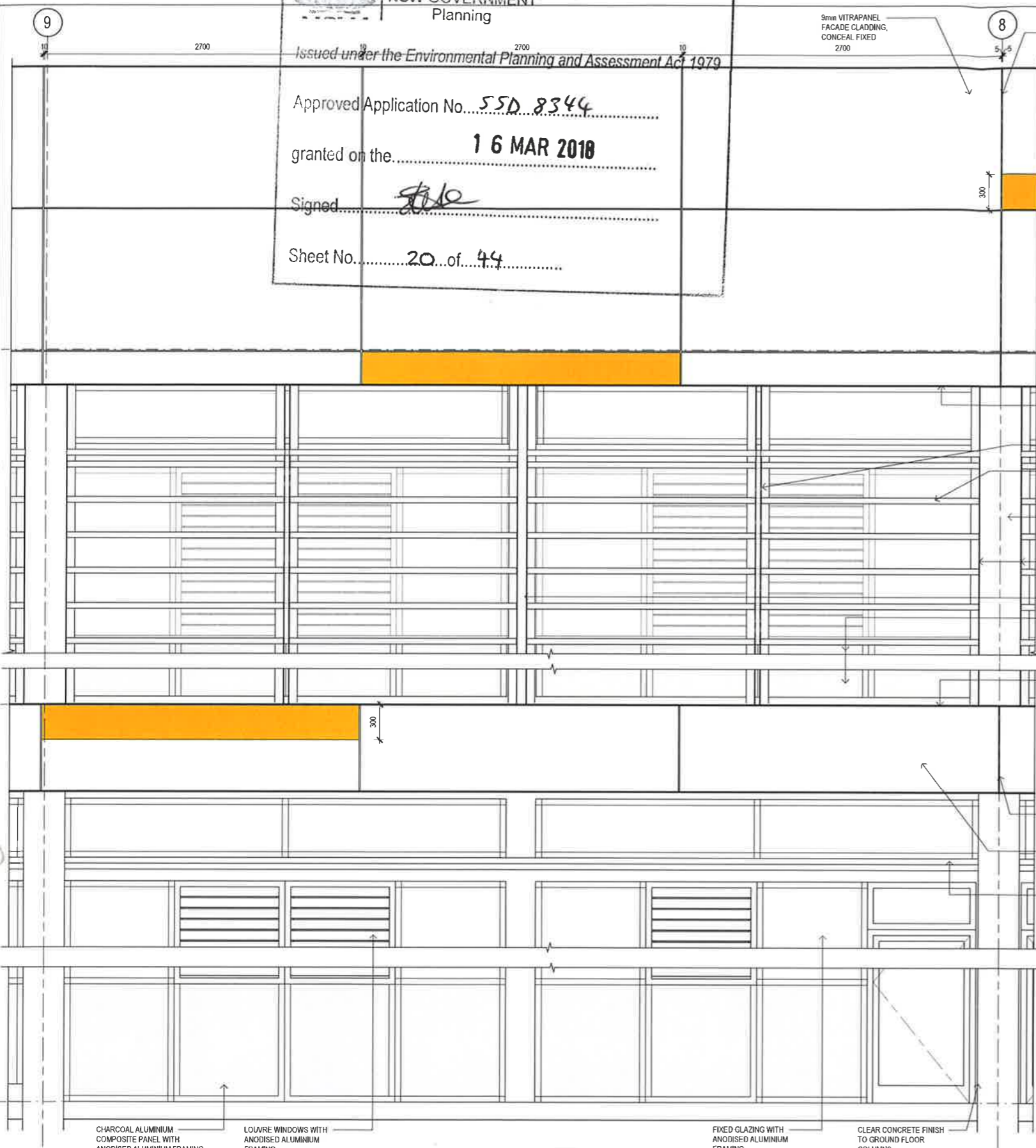
Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. 550 8344

granted on the 16 MAR 2018

Signed: *[Signature]*

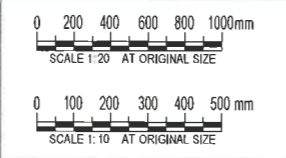
Sheet No. 20 of 44



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1 ELEVATION DETAIL
AR-3000 SCALE 1:20

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A	PRELIMINARY SD SUBMISSION	LR	MD*	BM*	23.11.2017		
No	Revision	Note	* indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



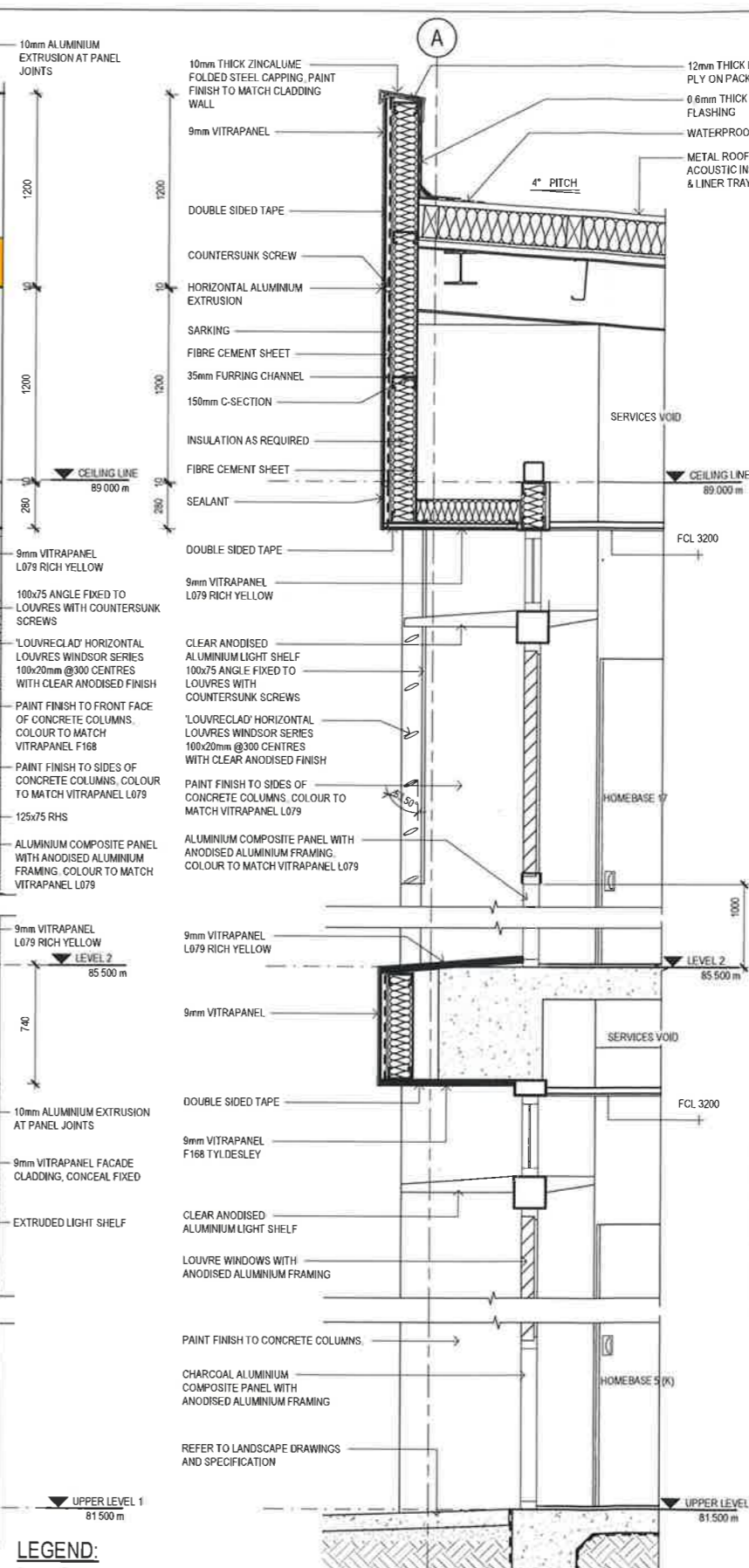
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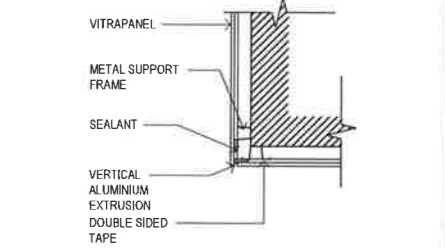
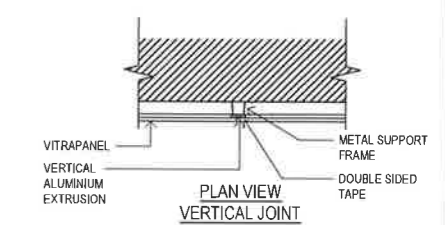
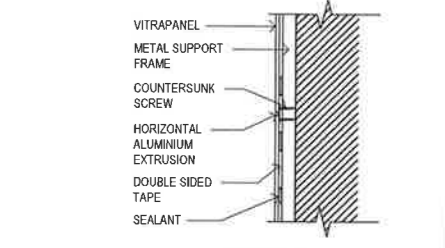
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□ VITRAPANEL F168 TYLDESLEY

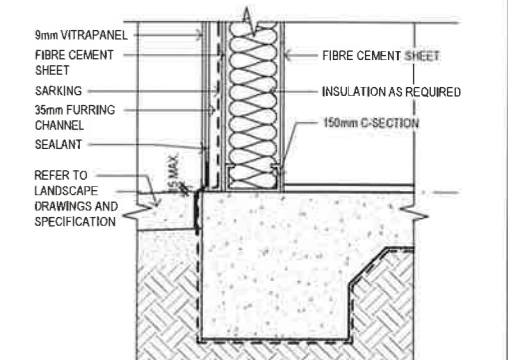
■ VITRAPANEL L079 RICH YELLOW



2 TYP - FACADE SECTION
AR-3100 SCALE 1:20



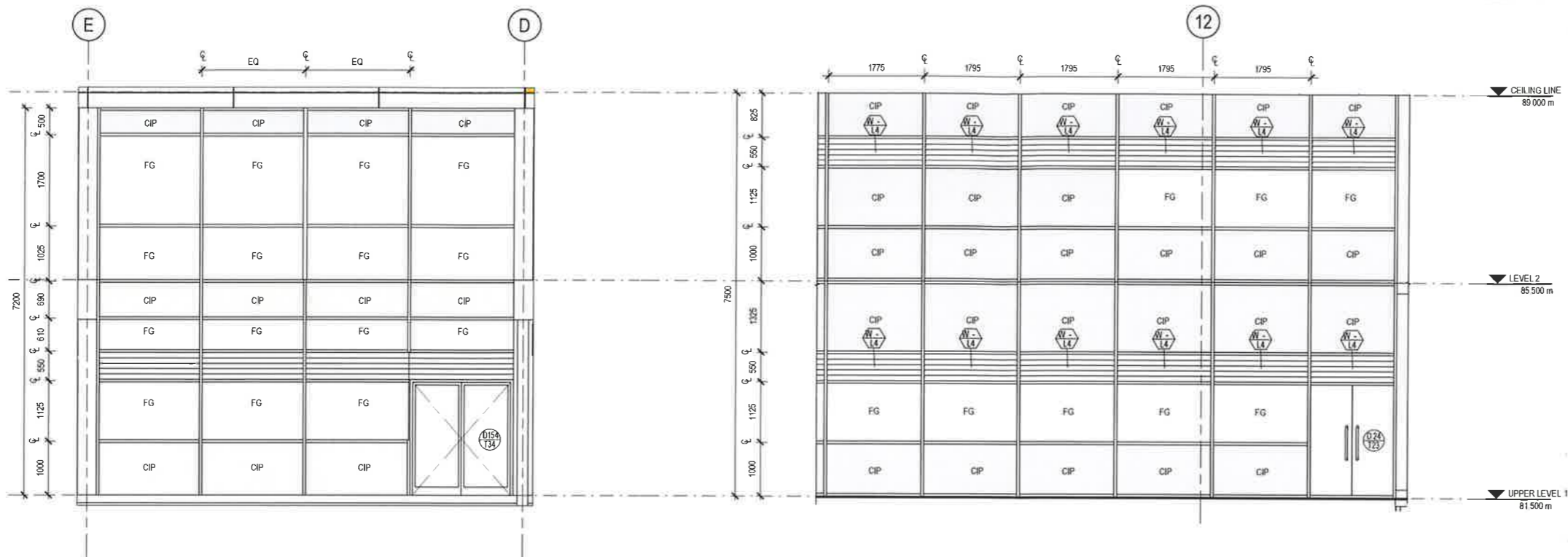
JOINT DETAIL
SCALE 1:10



CLADDING PANEL/SLAB JUNCTION DETAIL
SCALE 1:10

DEVELOPMENT APPLICATION

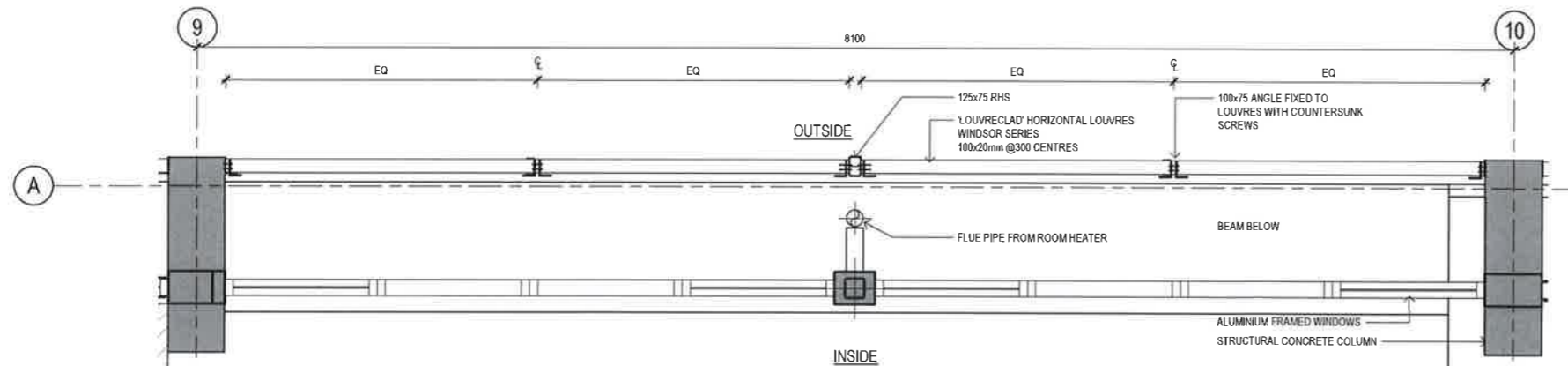
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Approved (Project Director) Nominated / Responsible Architect A. MILLER	Scale As indicated	This Drawing must not be used for Construction unless signed as Approved	Title FAÇADE DETAIL - SHEET 1
			Original Size A1 Drawing No: 21-26108 - KN-SD - AR-5050 Rev: B



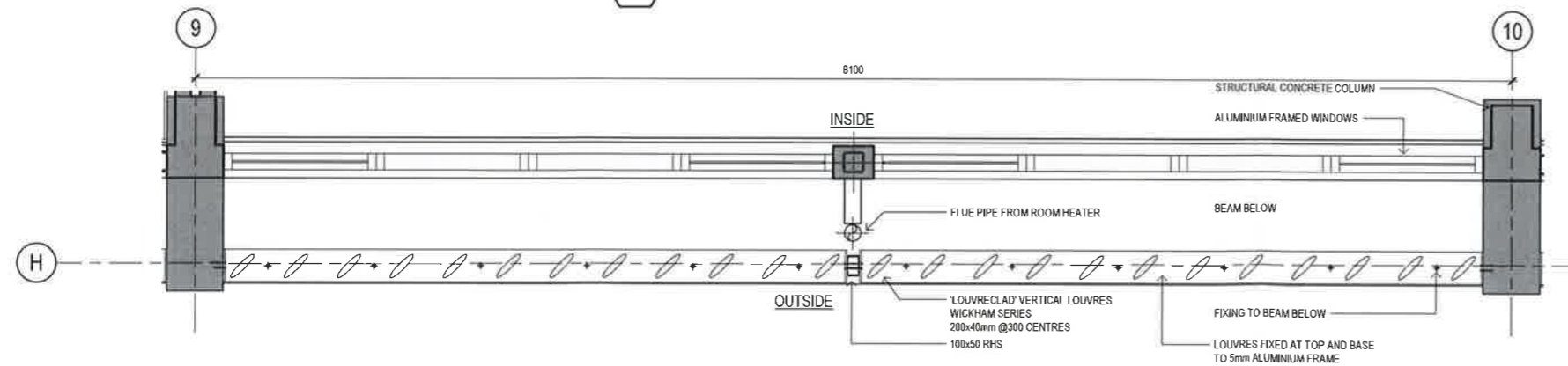

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 Approved Application No. **SSD 8344**
 granted on the **16 MAR 2018**
 Signed *[Signature]*
 Sheet No. **21** of **44**

1 ATRIUM GLAZING DETAIL (GL-01)
AR-3001 SCALE 1:50

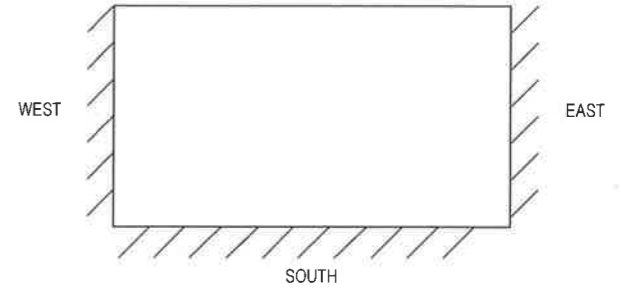
2 TYPICAL GLAZING DETAIL (GL-02) - COURTYARD GLAZING
AR-3002 SCALE 1:50



3 HORIZONTAL LOUVRE DETAIL AT NORTH FACADE
AR-2001 SCALE 1:20



4 VERTICAL LOUVRE DETAIL AT EAST, WEST & SOUTH FACADE
AR-2001 SCALE 1:20



PLAN DIAGRAM OF VERTICAL LOUVRE DIRECTION

NOTE:

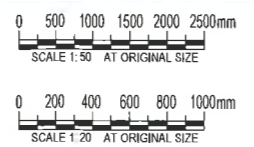
- LEVEL 1:**
U=4.5 EVERYWHERE, WITH:
 * SE AND SW FACADES - SHGC=0.6
 * NE AND NW FACADES - SHGC=0.45
- LEVEL 2:**
U=4.5
 * NE AND NW WINDOWS - SHGC=0.45
- FOR SW AND SE FACADES:
 U=3.0 FOR FIXED GLASS (EXCEPT GLAZING THAT FACING INTERNAL COURTYARD) AND,
 U=4.5 FOR ALL LOUVRES IN THE INTERNAL COURTYARD
 * SE AND SW FACADES - SHGC=0.6
 * NE AND NW FACADES - SHGC=0.45

LEGEND:

- CIP - COMPOSITE INSULATED PANEL WITH BACK PAN
 FG - FIXED GLASS
- LOUVRE - SINGLE GLAZED
 FG - DOUBLE GLAZED
 FIG - FIXED INTERNAL GLAZING
 ===== - MANIFESTATION @ 1500mm & 1000mm HIGH ACROSS INTERIOR GLAZING
 PA - POWDERCOATED ALUMINIUM
 AA - ANODISED ALUMINIUM
- * GLAZING TO LEVEL 2 WHERE THERE ARE HORIZONTAL LOUVRES / WINDOWS NEED TO BE OPERABLE (HINGED ON SIDE & RESTRICTED TO 100mm) BUT WITH ABILITY TO RELEASE (WITH KEY) TO ENABLE CLEANING FROM INSIDE.

DEVELOPMENT APPLICATION

D	SSD SUBMISSION	LR	MD*	BM*	24.11.2017		
C	PRELIMINARY SD SUBMISSION	LR	MD*	BM*	23.11.2017		
B	SCHEME DESIGN FOR APPROVAL	LR	MD*	BM*	20.09.2017		
A	SD SUBMISSION	LR	PM*	MD*	31.08.2017		
No	Revision	Note	* Indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



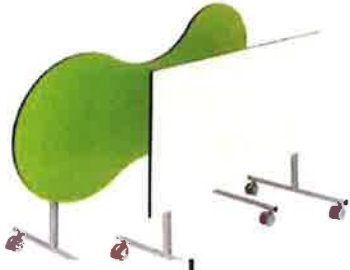
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Drafting Check	A. MACLEAN*	Design Check	P. THATCHER*
Approved (Project Director)	A. MILLER		
Nominated / Responsible Architect	A. MILLER		
Scale	As Indicated		

Client **NSW DEPARTMENT OF EDUCATION**
 Project **NORTH KELLYVILLE NEW PRIMARY SCHOOL**
 Title **FAÇADE WINDOW AND LOUVRE DETAILS**
 Original No. **A1** Drawing No. **21-26108 - KN-SD - AR-5200** Rev: **D**

**TABLE: T-A01 AND T-A08
BATGER FLIP TABLE**
DIMENSIONS: 1200WX600D
HEIGHT: 635MM AND 695MM
QUANTITY: 2



**TABLE: S-A05 AND S-A06
WOOD'S FURNITURE CUBE**
DIMENSIONS: 450X450X430H
QUANTITY: 4



**CHAIR: S-54 AND S-55
SEBEL POSTURA**
SEAT HEIGHT: 430MM AND 380MM
QUANTITY: 12



**STORAGE: B-55
SEBEL FURNITURE TOTE
STORAGE**
DIMENSIONS: 1175WX435DX865H
QUANTITY: 3



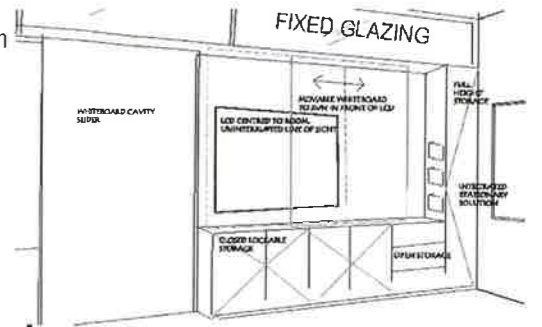
**TABLE: T-19
WOOD'S FURNITURE EUREKA**
DIMENSIONS: 120X600MM
HEIGHT: ADJUSTABLE 525-805MM
QUANTITY: 6



**TABLE: C-A02
ENVIRO CARPET:**
DIMENSIONS: 3600X2000mm
QUANTITY: 1



WHITEBOARD, LCD SCREEN STORAGE UNIT



**CHAIR: S-30 AND S-31
BUSINESS INTERIORS CERO STOOL**
SEAT HEIGHT: 380MM AND 460MM
QUANTITY: 4



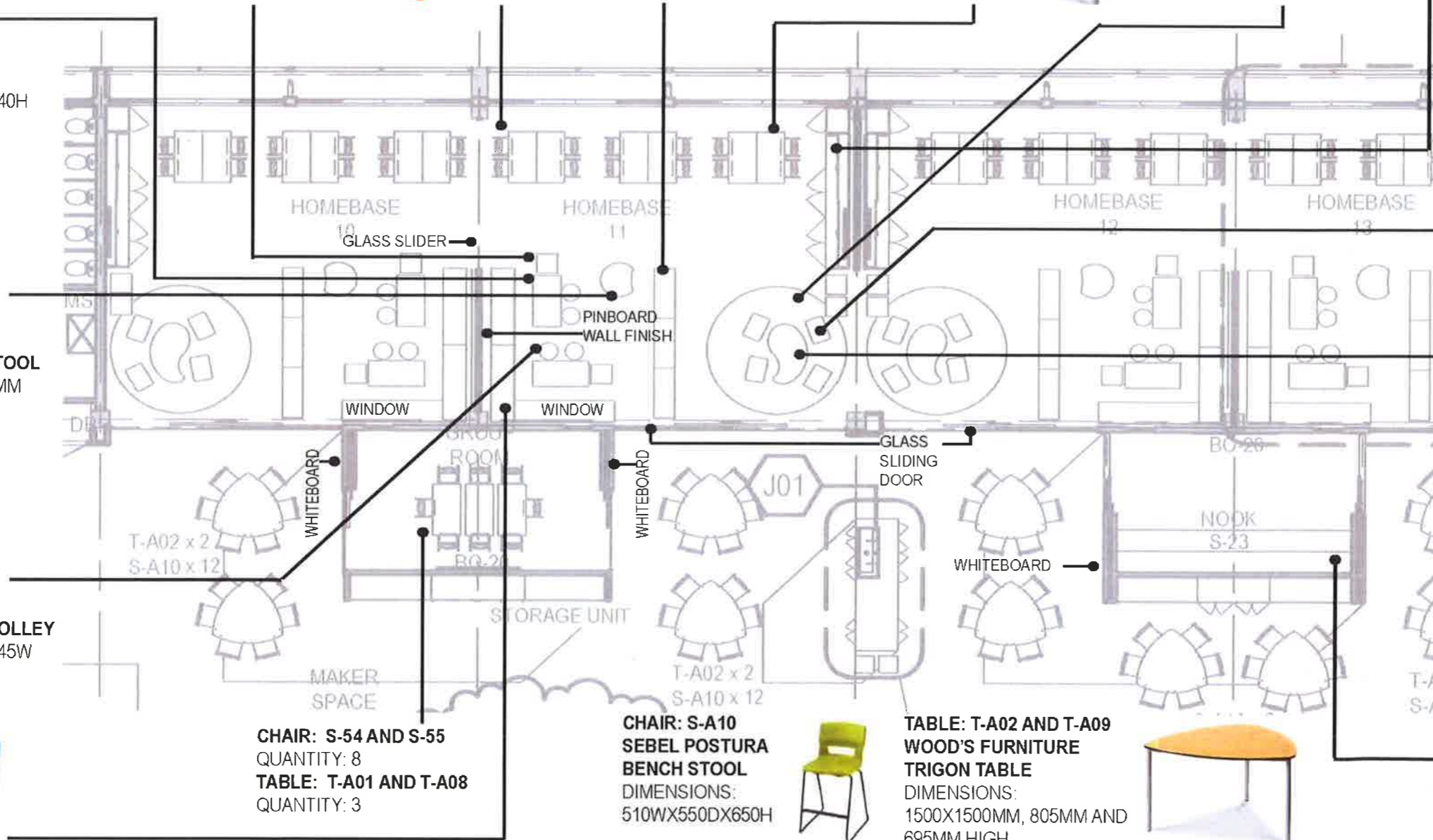
**CHAIR: T-51
FURNWARE TEACHER'S HUB**
DIMENSIONS: 1100WX535DX1040H
QUANTITY: 1



**CHAIR: S-32 AND S-33
WOOD'S FURNITURE HOKKI STOOL**
SEAT HEIGHT: 380MM AND 460MM
QUANTITY: 4



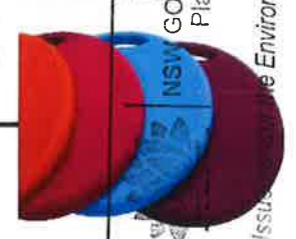
**CHAIR: B-53
FURNWARE SEATING TOTE TROLLEY**
DIMENSIONS: 2154,1802 and 1445W
X500DX460H
QUANTITY: 1 OF EACH



**TABLE: T-A03 AND T-A04
WOOD'S FURNITURE TY-G-2**
DIMENSIONS: 1390X897
HEIGHT: 580MM AND 695MM
QUANTITY: 1



**CHAIR: S-A01
SEBEL CUSHPOD**
DIMENSIONS: 400DIA
QUANTITY: 8



NSW GOVERNMENT
Department of Education
Environmental Planning and Assessment Act 1979
Approved Application No. 550 8344
granted on the 16 MAR 2018
Signed: [Signature]
Sheet No. 22 of 44

No	Revision	Note	Drawn	Job Manager	Project Director	Date
E	SSD SUBMISSION		LR	MD*	BM*	24.11.2017
D	PRELIMINARY SD SUBMISSION		LR	MD*	BM*	23.11.2017
C	SCHEME DESIGN FOR APPROVAL		LR	MD*	BM*	20.09.2017
B	SD SUBMISSION		LR	PM*	MD*	31.08.2017
A	ISSUED FOR TENDER		LR	SM*	MW*	28.06.2017

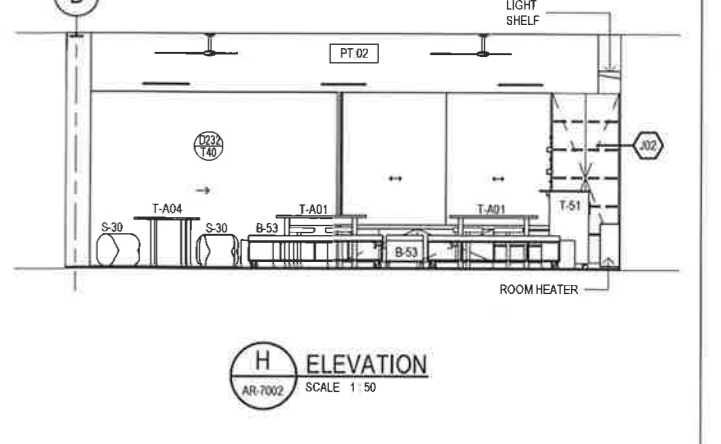
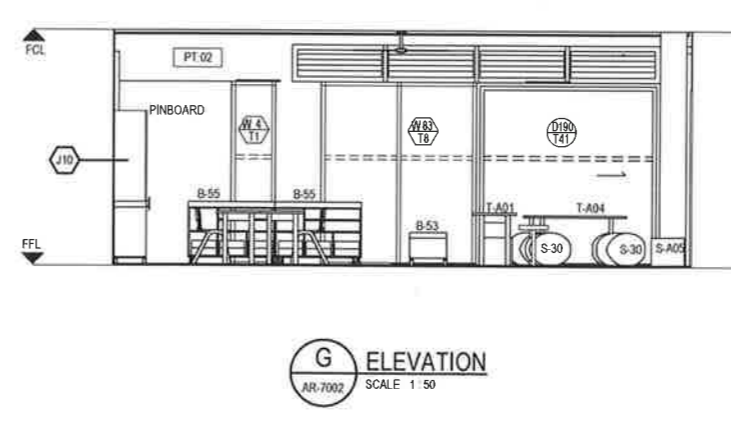
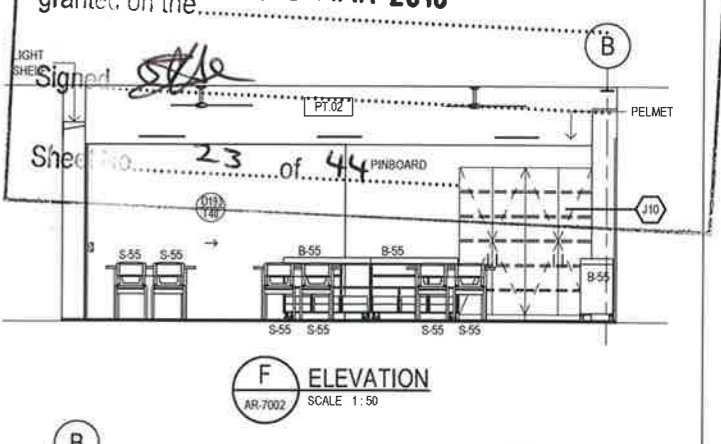
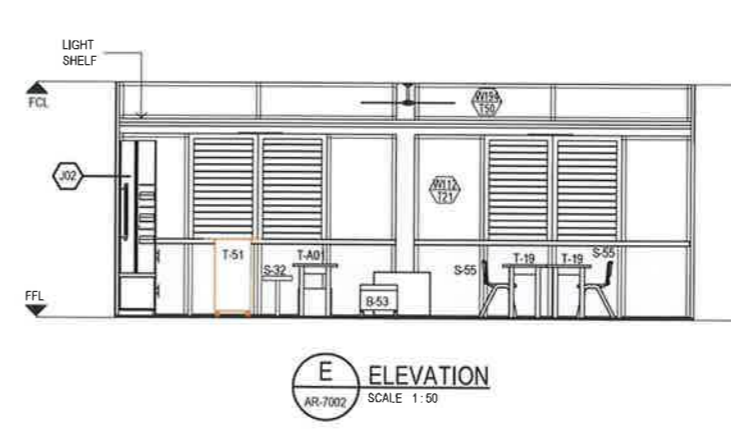
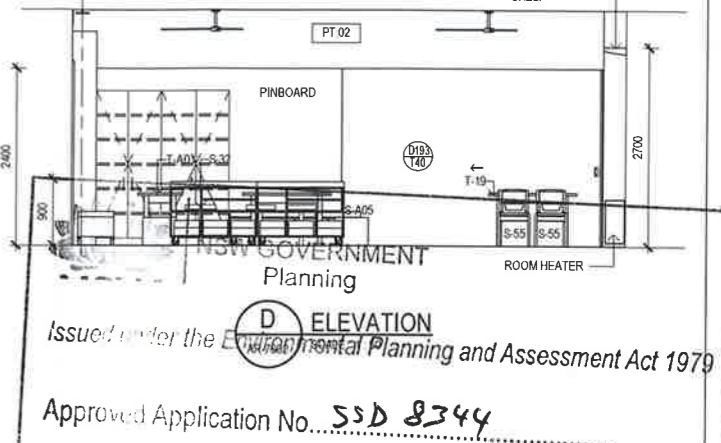
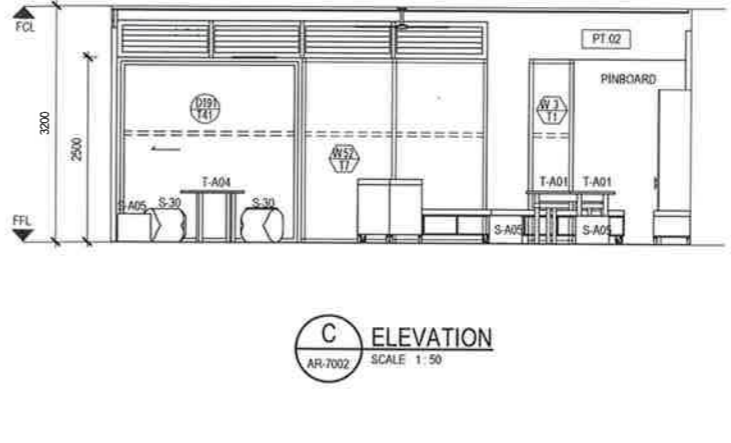
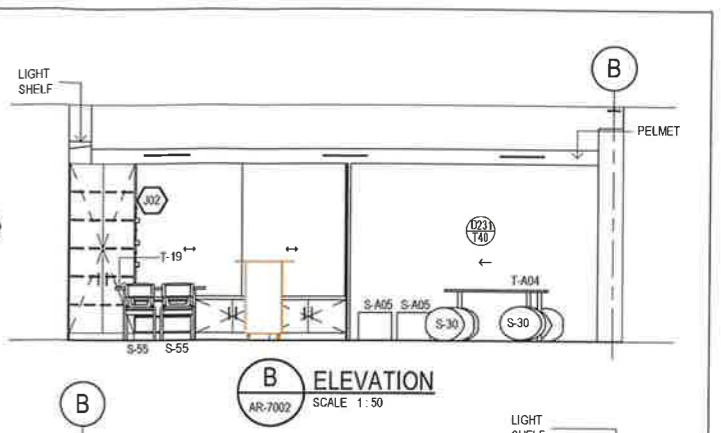
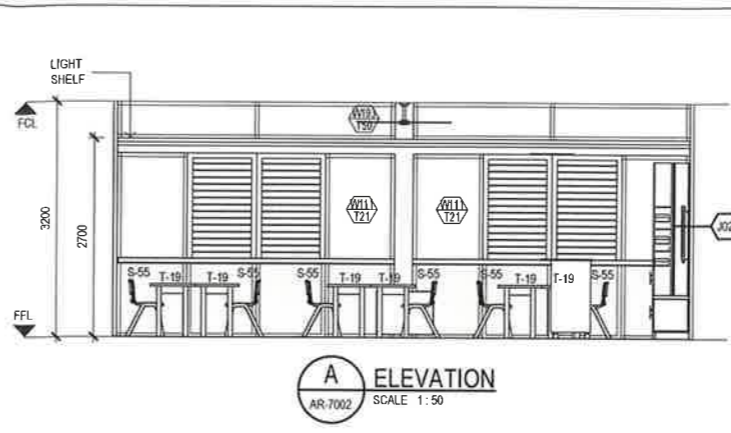
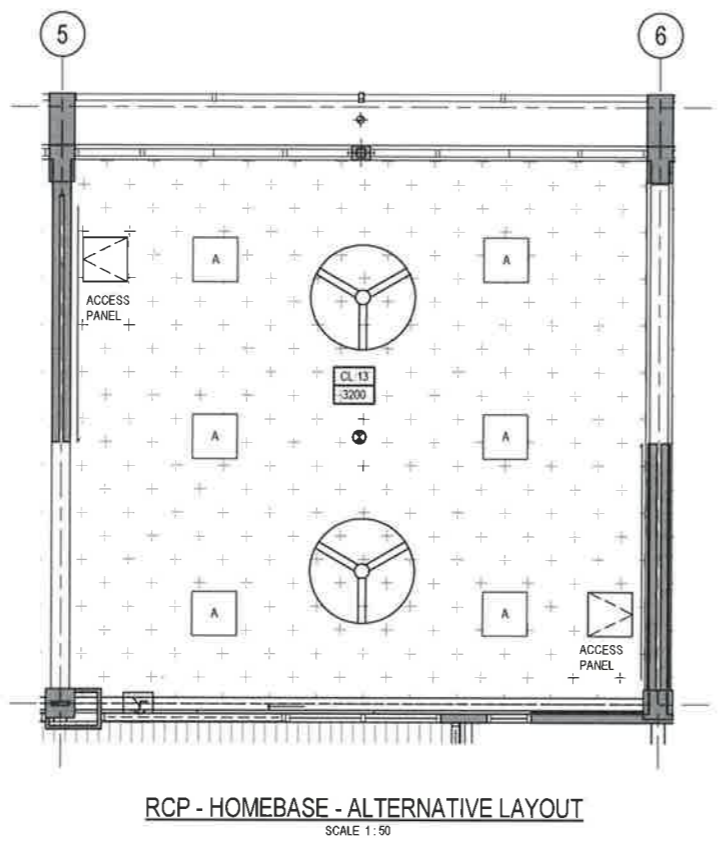
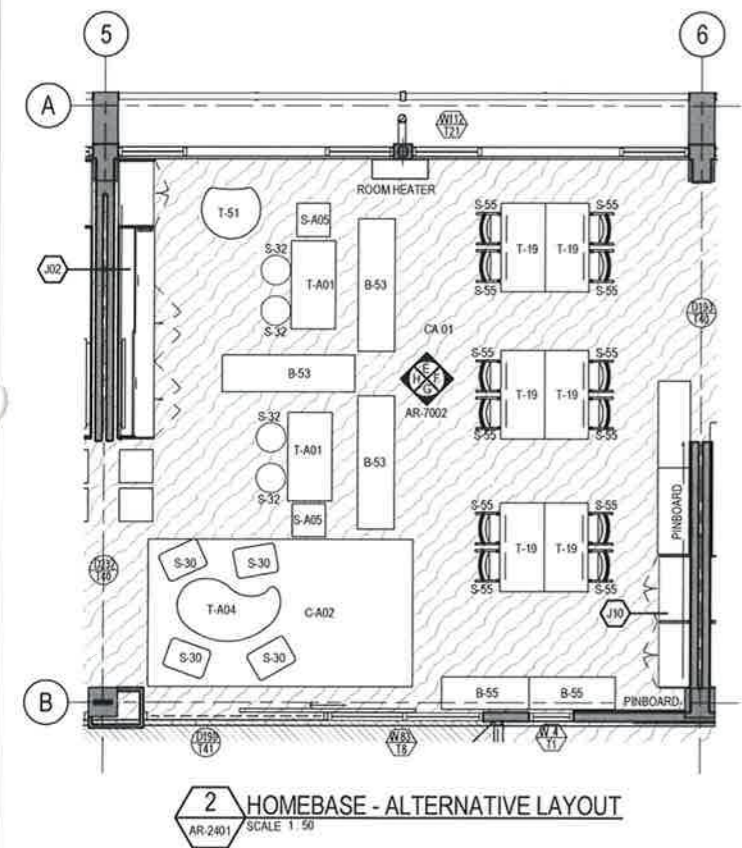
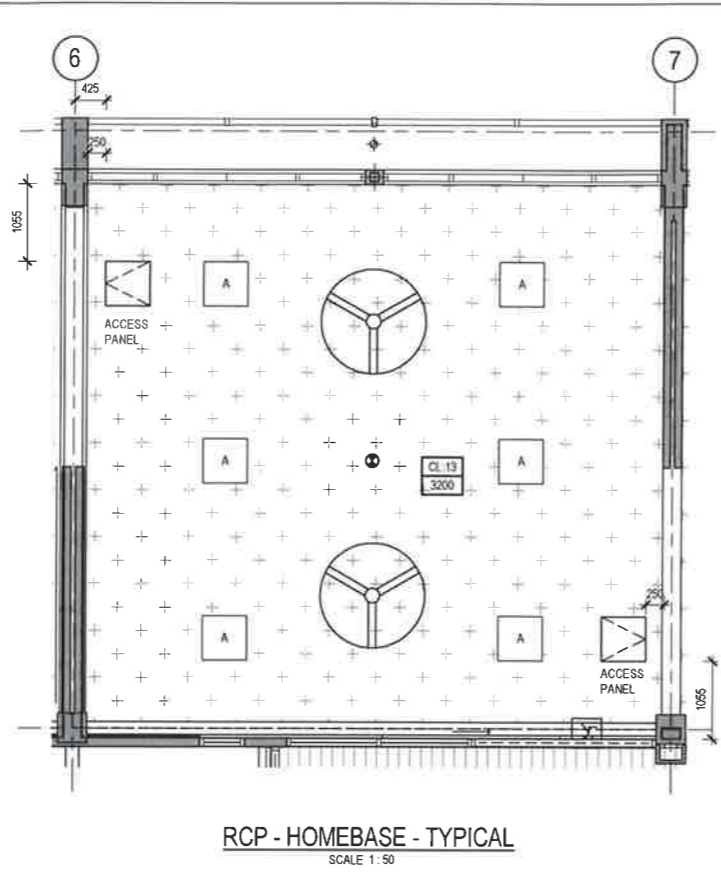
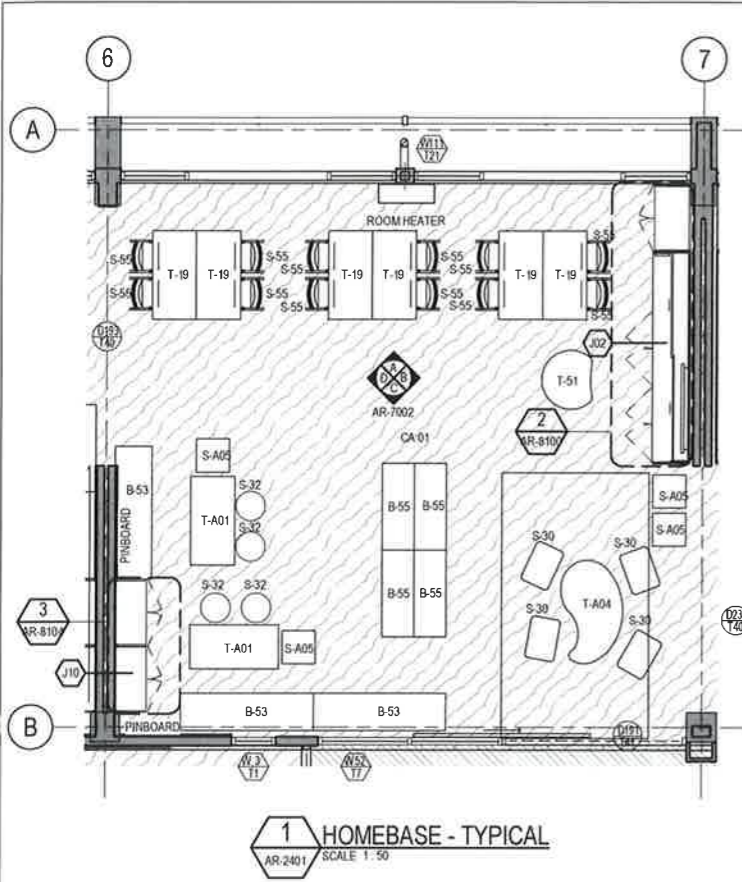


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Drawn P. HO	Designer M. SLOANE
Drafting Check A. MACLEAN*	Design Check P. THATCHER*
Approved (Project Director)	Nominated / Responsible Architect A. MILLER
Scale N T S	

Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL
Title	TYPICAL HOMEBASE NODE FURNITURE PLAN
Original Size	A1
Drawing No:	21-26108 - KN-SD - AR-7001
Rev:	E

DEVELOPMENT APPLICATION



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granted on the... 16 MAR 2018
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D	SSD SUBMISSION	LR	MD*	BM*	24.11.2017		
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B	SCHEME DESIGN FOR APPROVAL	LR	MD*	BM*	20.09.2017		
A	SD SUBMISSION	LR	PM*	MD*	31.08.2017		
No	Revision	Note	Indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

0 500 1000 1500 2000 2500mm
SCALE 1:50 AT ORIGINAL SIZE

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Drafting Check A. MACLEAN* Design Check P. THATCHER*
Approved (Project Director) Nominated / Responsible Architect A. MILLER
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DEVELOPMENT APPLICATION
Client NSW DEPARTMENT OF EDUCATION
Project NORTH KELLYVILLE NEW PRIMARY SCHOOL
Title ROOM PLANS & ELEVATIONS - SHEET 1
Drawing No: 21-26108 - KN-SD - AR-7002 Rev: D



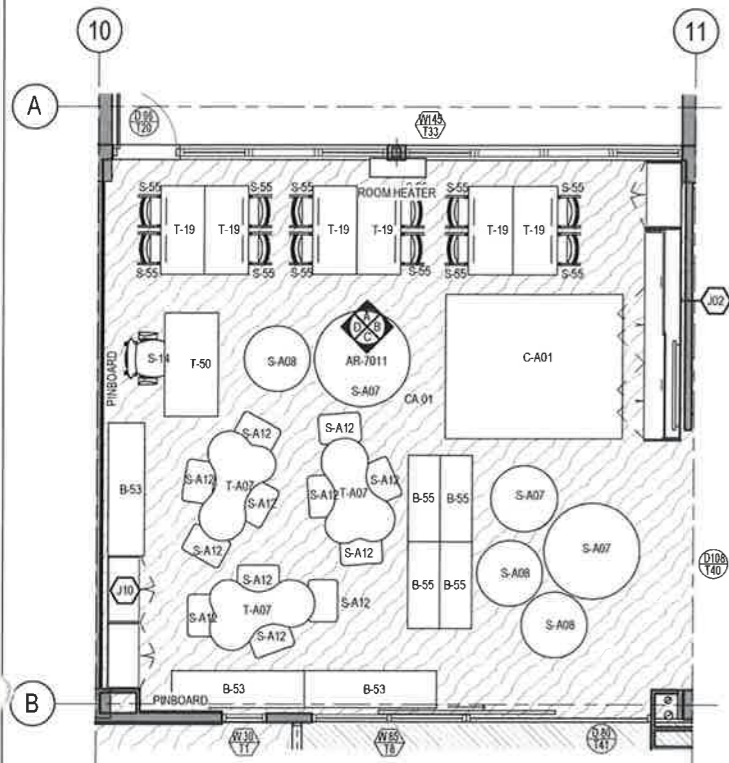
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Approved Application No. SSD 8344

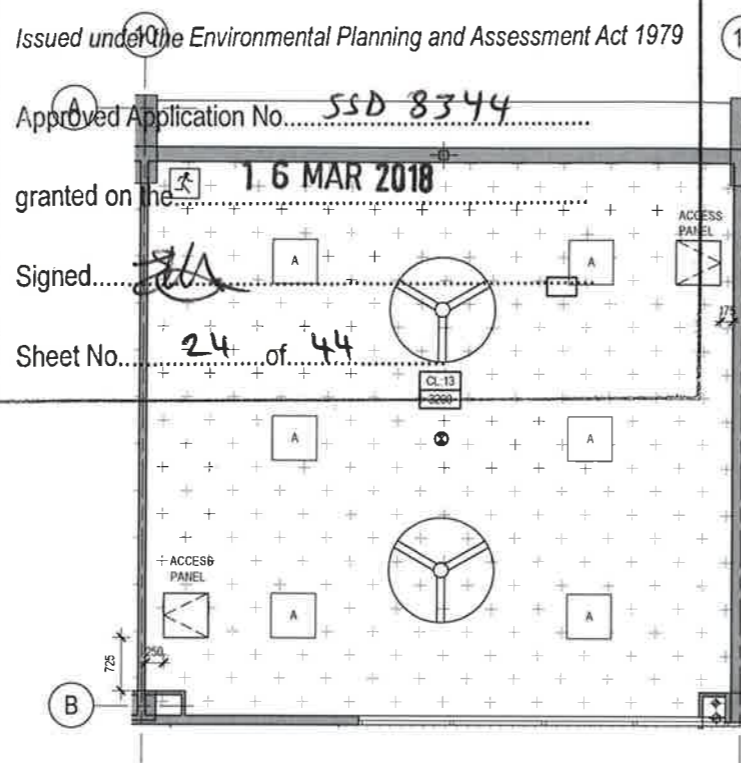
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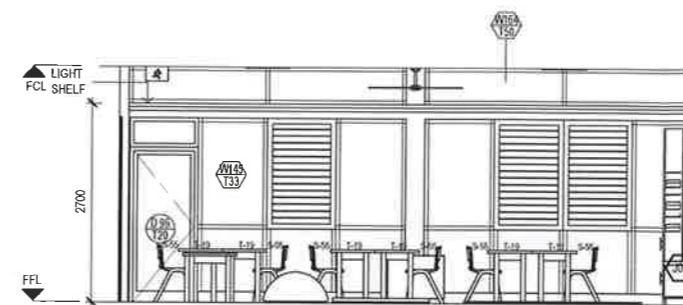
Sheet No. 24 of 44



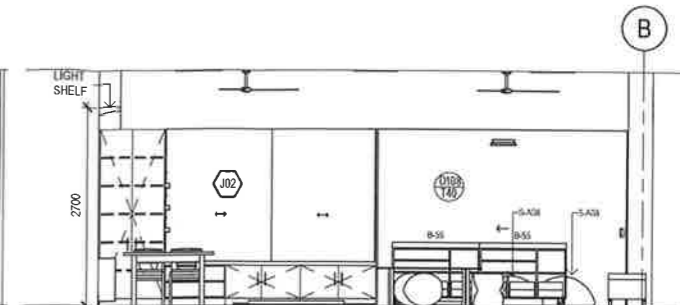
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AR-2400 SCALE 1:50



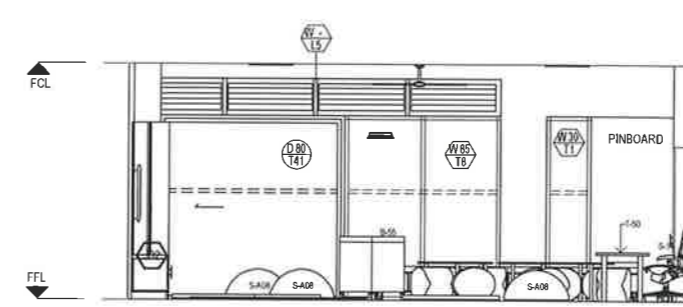
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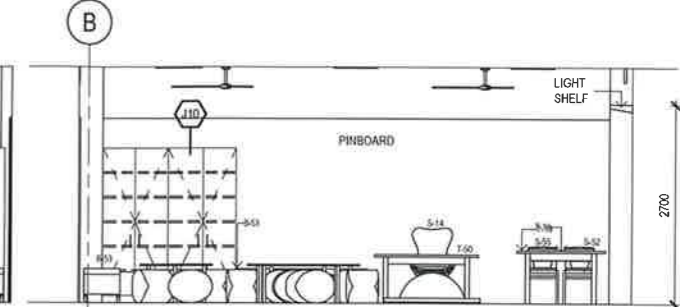
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AR-7011 SCALE 1:50



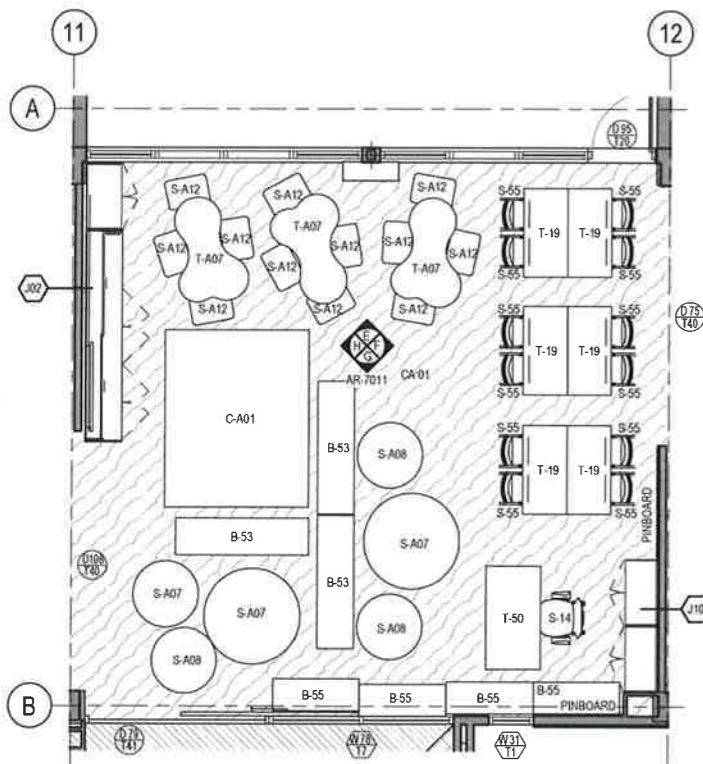
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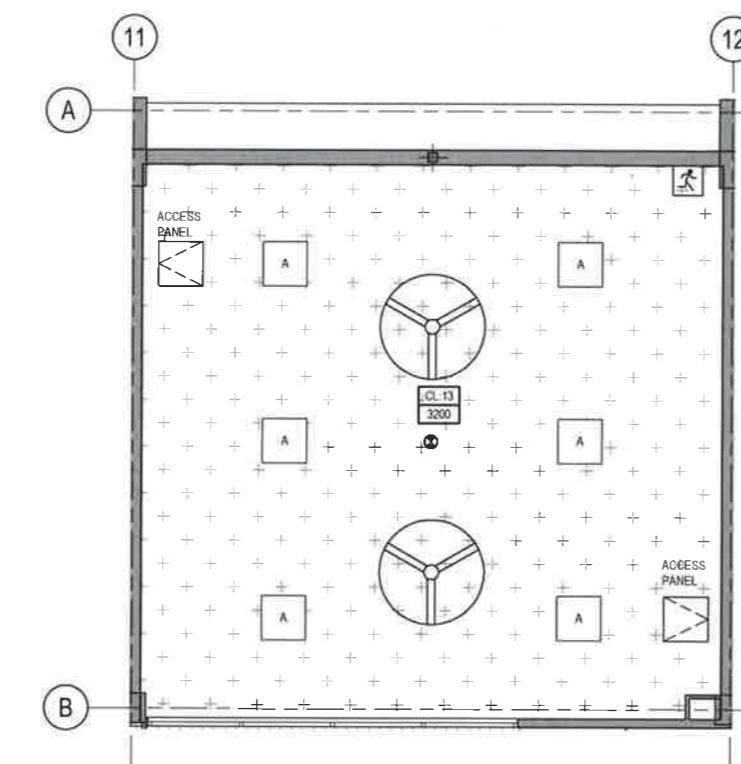
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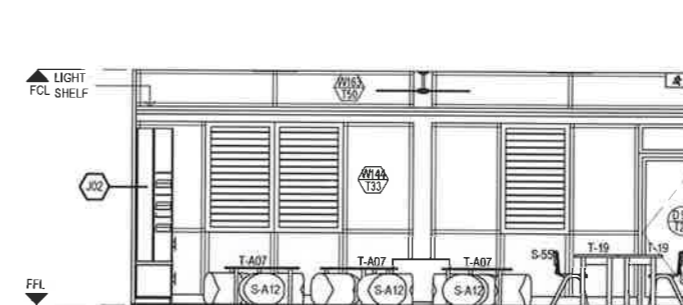
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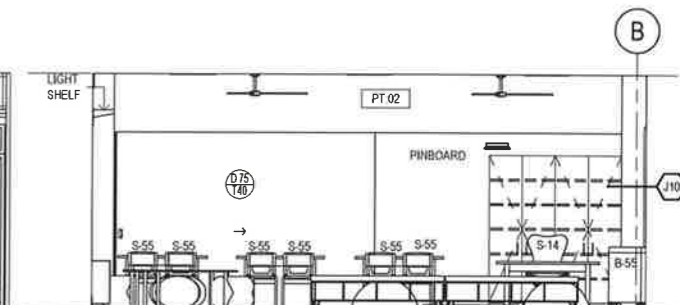
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AR-2400 SCALE 1:50



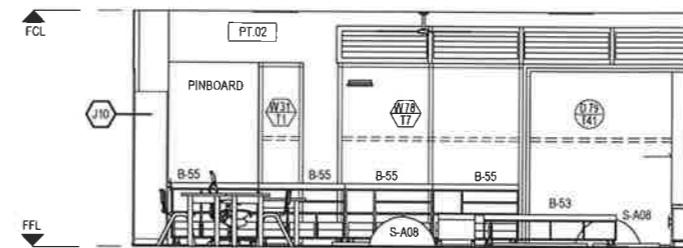
RCP - K (KINDERGARTEN) - ALTERNATIVE LAYOUT
SCALE 1:50



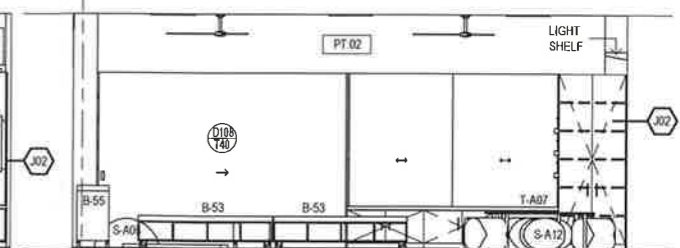
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AR-7011 SCALE 1:50



F ELEVATION
AR-7011 SCALE 1:50



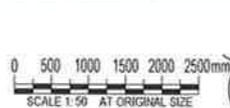
G ELEVATION
AR-7011 SCALE 1:50



H ELEVATION
AR-7011 SCALE 1:50

DEVELOPMENT APPLICATION

D	SSD SUBMISSION	LR	MD*	BM*	24.11.2017	
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A	SD SUBMISSION	RI	PM*	MD*	31.08.2017	
No	Revision	Note	Drawn	Job Manager	Project Director	Date



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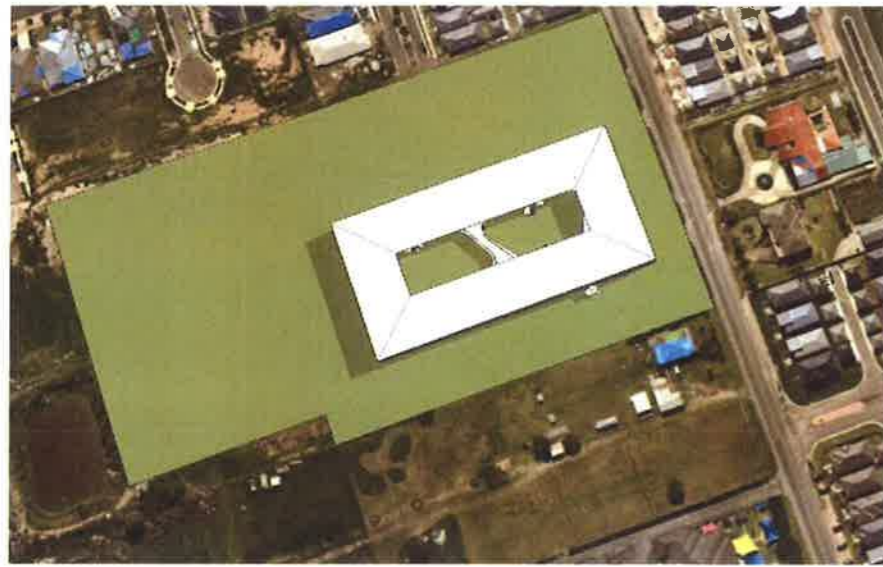
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Drawn	R. IBARROLA	Designer	M. SLOANE
Drafting Check	A. MACLEAN*	Design Check	P. THATCHER
Approved (Project Director)	A. MILLER		
Nominated / Responsible Architect	A. MILLER		
Scale	1:50		

Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL
Title	ROOM PLANS & ELEVATIONS - SHEET 10
Original Scale	A1
Drawing No.	21-26108 - KN-SD - AR-7011
Rev.	D



MARCH 20, 9AM



MARCH 20, 10AM



MARCH 20, 11AM



MARCH 20, 12PM



MARCH 20, 1PM



MARCH 20, 2PM



MARCH 20, 3PM



MARCH 20, 3.30PM

	NSW GOVERNMENT Planning
Issued	under the Environmental Planning and Assessment Act 1979
Approved	Application No. <u>SSP 8344</u>
granted	on the <u>16 MAR 2018</u>
Signed	
Sheet	<u>25</u> of <u>44</u>

DEVELOPMENT APPLICATION

No	Revision	Note	Job Manager	Project Director	Date	
J		SSD SUBMISSION	LR	MD*	BM*	24.11.2017
H		PRELIMINARY SD SUBMISSION	LR	MD*	BM*	23.11.2017
G		SCHEME DESIGN FOR APPROVAL	LR	PM*	MD*	20.09.2017
F		SD SUBMISSION	LR	PM*	MD*	31.08.2017
E		SSD SUBMISSION	LR	MD*	MW*	29.08.2017
D		SSD SUBMISSION	LR	MD*	MW*	11.08.2017
C		TENDER ADDENDUM 01	LR	MD*	MW*	21.07.2017
B		ISSUED FOR SSD DEVELOPMENT APPLICATION	LR	MD*	MW*	09.06.2017



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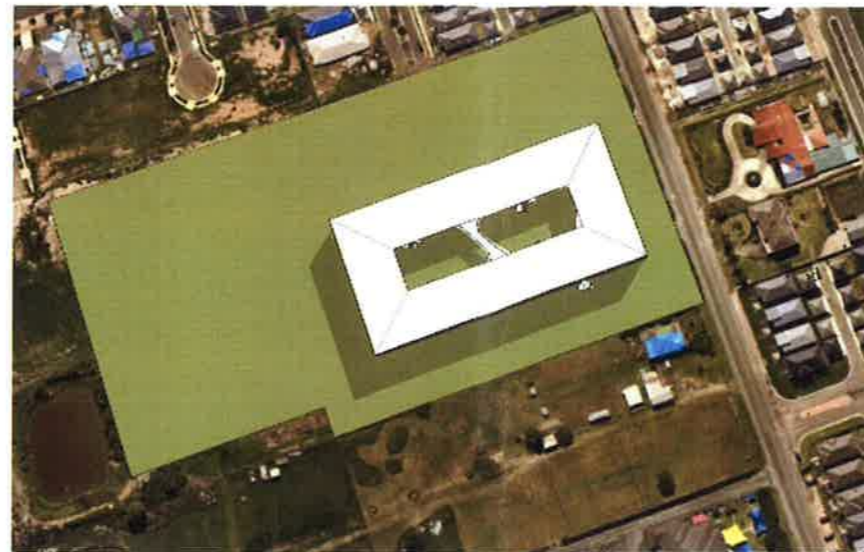
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Drawn	P. HO	Designer	M. SLOANE
Drafting Check	S. BEATON*	Design Check	P. THATCHER*
Approved (Project Director)			
Nominated / Responsible Architect	A. MILLER		
Scale	N T S		

Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL
Title	SHADOW ANALYSIS - MARCH 20
Original Size	A1
Drawing No:	21-26108 - KN-SD - AR-9000
Rev:	J



JUNE 22, 9AM



JUNE 22, 10AM



JUNE 22, 11AM



JUNE 22, 12PM



JUNE 22, 1PM



JUNE 22, 2PM



JUNE 22, 3PM



JUNE 22, 3.30PM


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Approved Application No..... SSD 8344
 granted on the..... **16 MAR 2018**
 Signed..... 
 Sheet No..... 26 of..... 44

DEVELOPMENT APPLICATION

J	SSD SUBMISSION	LR	MD*	BM*	24.11.2017		
H	PRELIMINARY SD SUBMISSION	LR	MD*	BM*	23.11.2017		
G	SCHEME DESIGN FOR APPROVAL	LR	PM*	MD*	20.09.2017		
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D	SSD SUBMISSION	LR	MD*	MW*	11.08.2017		
C	TENDER ADDENDUM 01	LR	MD*	MW*	21.07.2017		
B	ISSUED FOR SSD DEVELOPMENT APPLICATION	LR	MD*	MW*	09.06.2017		
No	Revision	Note:	indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



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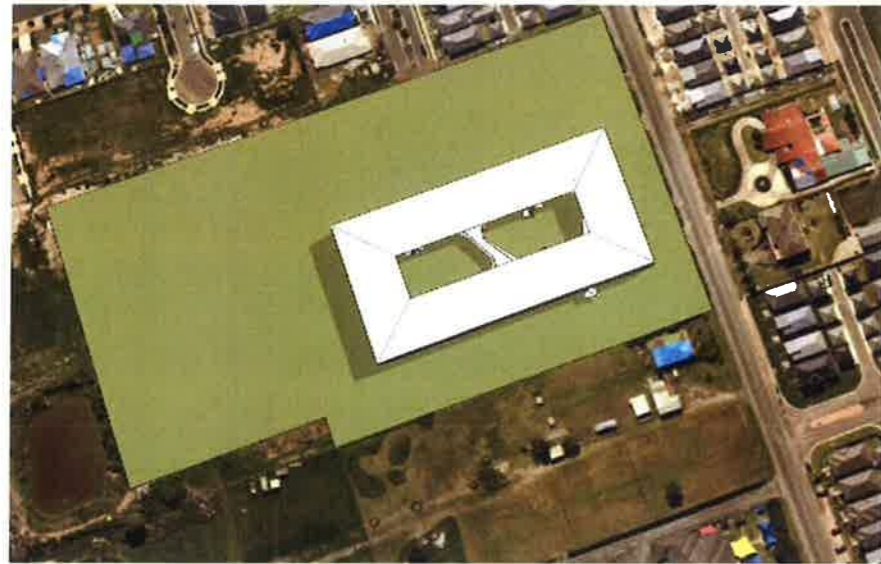
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Drawn	P. HO	Designer	M. SLOANE
Drafting Check	S. BEATON*	Design Check	P. THATCHER*
Approved (Project Director)			
Nominated / Responsible Architect	A. MILLER		
Scale	N T S		

Client	NSW DEPARTMENT OF EDUCATION		
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL		
Title	SHADOW ANALYSIS - JUNE 22		
Original Size	A1	Drawing No:	21-26108 - KN-SD - AR-9001
Rev:	J		



SEPT 22, 9AM



SEPT 22, 10AM



SEPT 22, 11AM



SEPT 22, 12PM



SEPT 22, 1PM




SEPT 22, 2PM



SEPT 22, 3PM



SEPT 22, 3.30PM

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Planning

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Approved Application No.....SSD 8344.....

granted on the..... **16 MAR 2018**

Signed..... elle

Sheet No..... 27 of 44

No	Revision	Note	Drawn	Job Manager	Project Director	Date
J		SSD SUBMISSION	LR	MD*	BM*	24.11.2017
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C		TENDER ADDENDUM 01	LR	MD*	MW*	21.07.2017
B		ISSUED FOR SSD DEVELOPMENT APPLICATION	LR	MD*	MW*	09.06.2017

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 **TSA** MANAGEMENT

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Drawn	P. HO	Designer	M. SLOANE
Drafting Check	S. BEATON*	Design Check	P. THATCHER*
Approved (Project Director)			
Nominated / Responsible Architect	A. MILLER		
Scale	N T S		

Client	NSW DEPARTMENT OF EDUCATION		
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL		
Title	SHADOW ANALYSIS - SEPTEMBER 22		
Original Size	A1	Drawing No:	21-26108 - KN-SD - AR-9002
Rev:	J		

DEVELOPMENT APPLICATION



DEC 22, 9AM



DEC 22, 10AM



DEC 22, 11AM



DEC 22, 12PM



DEC 22, 1PM



DEC 22, 2PM



DEC 22, 3PM



DEC 22, 3.30PM

NSW GOVERNMENT
Planning

under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8344

granted on the 16 MAR 2018

Signed [Signature]

Sheet No. 28 of 44

DEVELOPMENT APPLICATION

J	SSD SUBMISSION	LR	MD*	BM*	24.11.2017	
H	PRELIMINARY SD SUBMISSION	LR	MD*	BM*	23.11.2017	
G	SCHEME DESIGN FOR APPROVAL	LR	PM*	MD*	20.09.2017	
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C	TENDER ADDENDUM 01	LR	MD*	MW*	21.07.2017	
B	ISSUED FOR SSD DEVELOPMENT APPLICATION	LR	MD*	MW*	09.06.2017	
No.	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

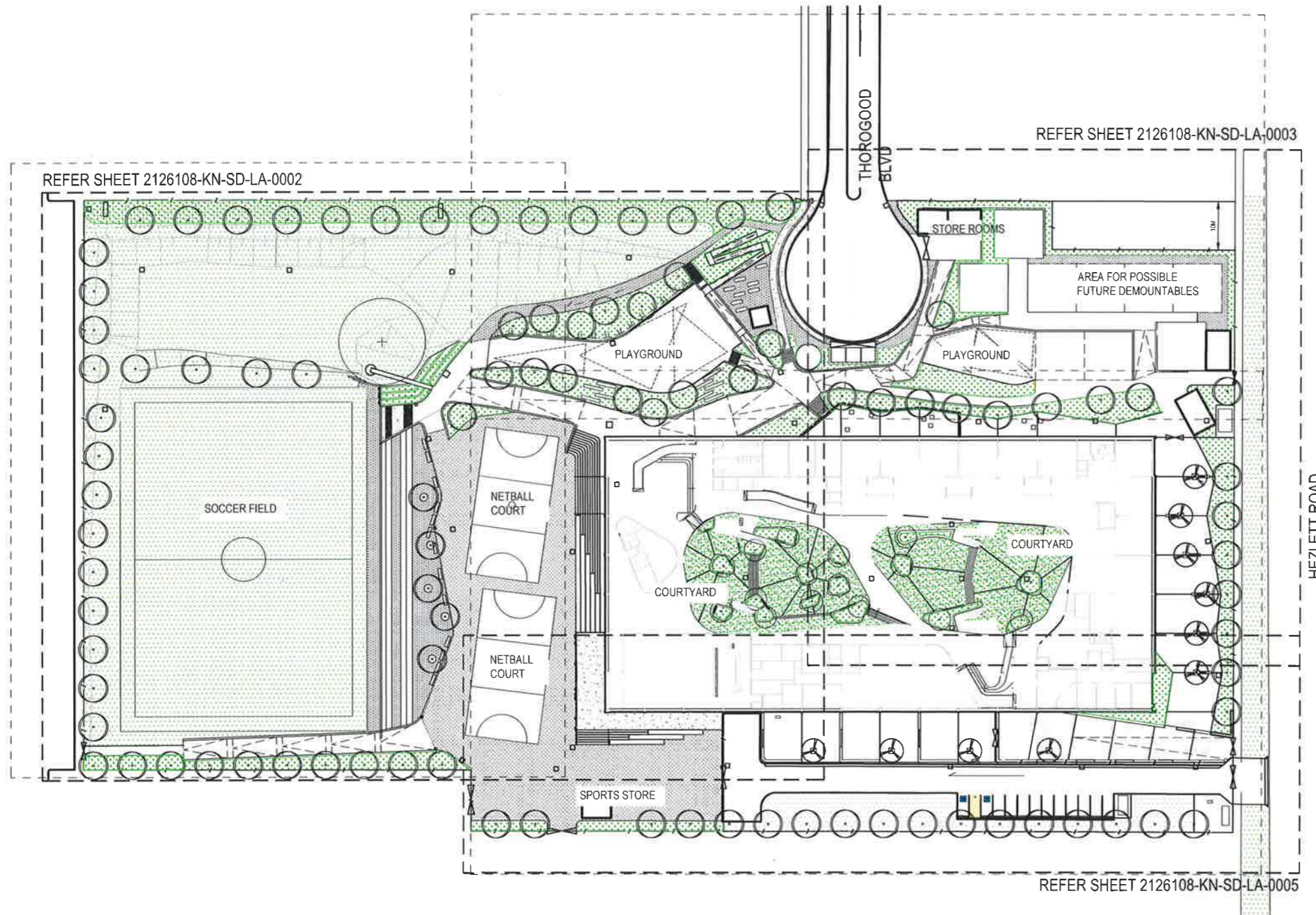


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Drafting Check	S. BEATON*	Design Check	P. THATCHER*
Approved (Project Director)	A. MILLER		
Nominated / Responsible Architect	A. MILLER		
Scale	N T S		

Client	NSW DEPARTMENT OF EDUCATION		
Project	NORTH KELLYVILLE NEW PRIMARY SCHOOL		
Title	SHADOW ANALYSIS - DECEMBER 22		
Original Scale	A1	Drawing No:	21-26108 - KN-SD - AR-9003
Rev:	J		



PLANTING SCHEDULE				
BOTANICAL NAME	COMMON NAME	POT SIZE	NUMBER	TYPICAL USE
TREES				
BAC/HOUSIA CITRIODORA	LEMON MYRTLE	100 Ltr	19	Path/avenue planting
COR'MBIA CITRIODORA	LEMON SCENTED GUM	100 Ltr	60	School perimeter planting
EUCA/YPTUS TERETICORNIS	FOREST RED GUM	100 Ltr	10	Scattered lawn planting
TRUSTANIOPSIS LAURINA	WATER GUM	100 Ltr	10	Plaza planting
WATERHOUSIA FLORIBUNDA	WEEPING LILLY PILLY	100 Ltr	16	Indoor Planters
SHRUB & GROUND COVER PLANTING				
ASPDISTRA ELATIOR	CAST IRON PLANT	200mm	40	Indoor Plants
ASPENIUM ANTIQUM	BIRDS NEST FERN	150mm	36	Indoor Planters
COR'DYLINE 'MINI PINK SPECIAL'	MINI PINK SPECIAL	150mm	40	Indoor Planters
DIANELLA TASMANICA	TASMAN FLAX LILLY	150mm	1275	Feature garden beds and slope stabilisation
GREVILLEA 'BRONZE RAMBLER'	GREVILLEA	tubestock	900	Slope stabilisation
GREVILLEA 'FOREST RAMBLER'	GREVILLEA	tubestock	900	Slope stabilisation
FATSIA JAPONICA	JAPANESE ARALIA	200mm	36	Indoor Planters
HIBBERTIA SCANDENS	GOLDEN GUINEA VINE	tubestock	1175	Slope stabilisation & feature garden beds
LEPTOSPERMUM LAEVIGATUM	COASTAL TEA TREE	tubestock	500	Screening & slope stabilisation
LOMANDRA TANIKA	TANIKA	150mm	1275	Feature garden beds and slope stabilisation
MELALEUCA THYMIFOLA	THYME HONEY MYRTLE	150mm	450	Feature garden bed
STRELITZIA REGINAE	BIRD OF PARADISE	150mm	375	Feature garden bed
VIOLA HEDERACEA	NATIVE VIOLETS	tubestock	150	Indoor Planters
	MIXED HERBS	punnets	30	Indoor Planters

NSW GOVERNMENT
Planning

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Approved Application No. SSD 8344

granted on the 16 MAR 2018

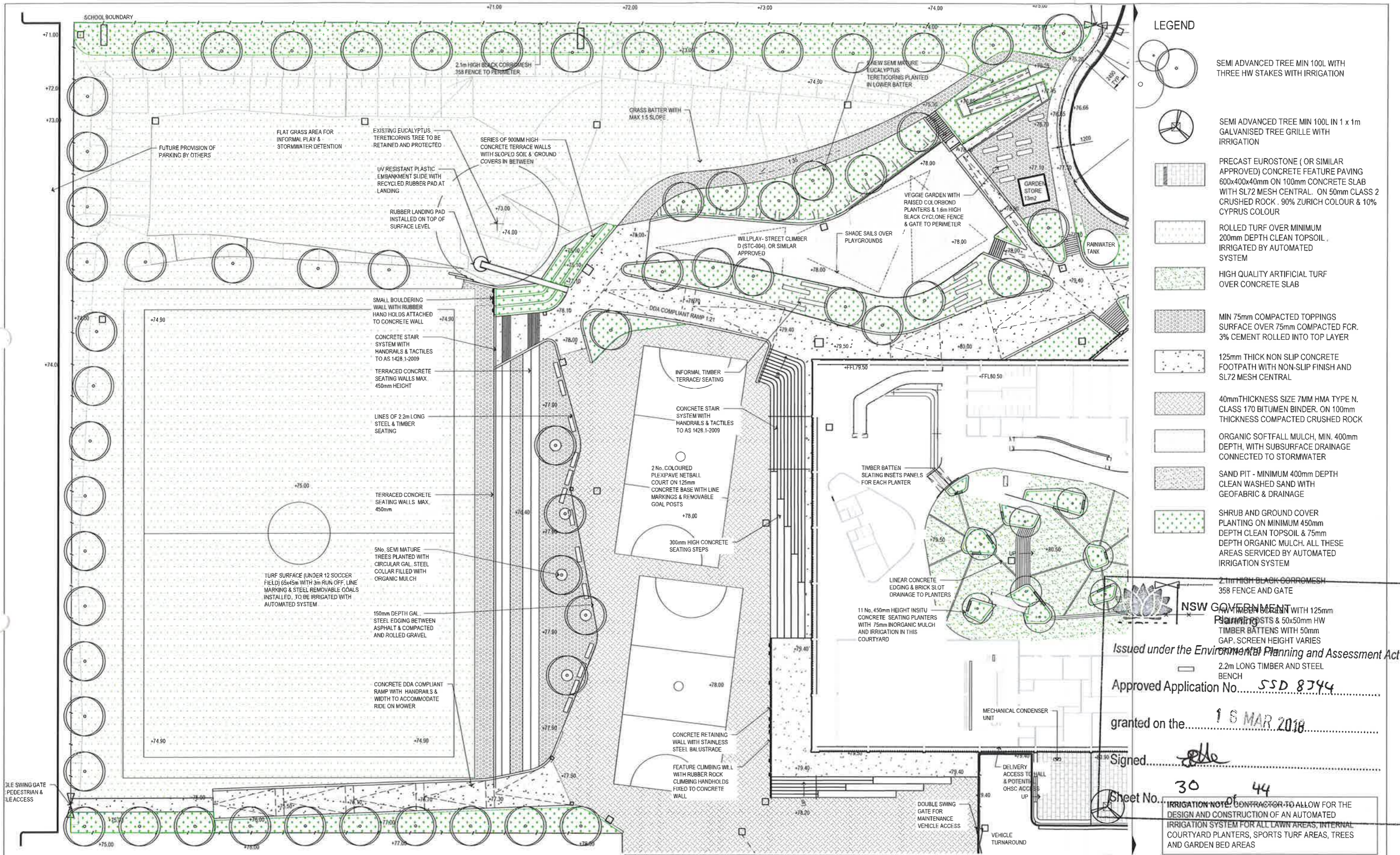
Signed [Signature]

Sheet No. 29 of 44

IRRIGATION NOTE: CONTRACTOR TO ALLOW FOR THE DESIGN AND CONSTRUCTION OF AN AUTOMATED IRRIGATION SYSTEM FOR ALL LAWN AREAS, INTERNAL COURTYARD PLANTERS, SPORTS TURF AREAS, TREES AND GARDEN BED AREAS

DEVELOPMENT APPLICATION

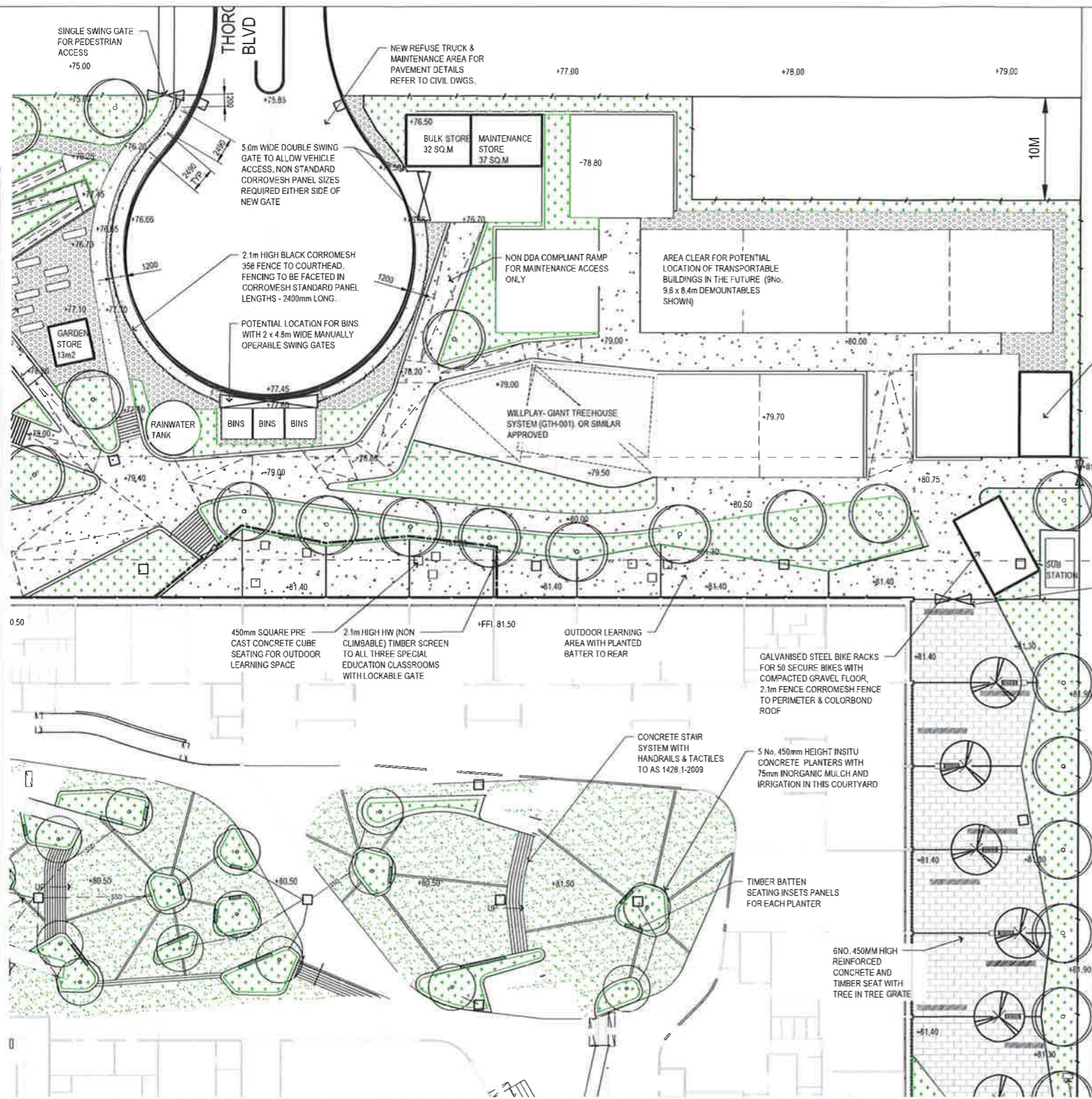
J SSD SUBMISSION SH PM* MD* 27.11.17					DO NOT SCALE Drawn L.KRSTIC Designer S.HANSEN Drafting Check A.MACLEAN* Design Check R.NOWOISKY* Approved (Project Director) Date Scale 1:500	Client NSW DEPARTMENT OF EDUCATION Project NORTH KELLYVILLE NEW PRIMARY SCHOOL Title SITE PLAN
I SCHEME DESIGN FOR APPROVAL SH PM* MD* 20.09.17						
No Revision Note: * indicates signatures on original issue of drawing or last revision of drawing Drawn Job Manager Project Director Date		Conditions of Use: This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.				



- LEGEND**
- SEMI ADVANCED TREE MIN 100L WITH THREE HW STAKES WITH IRRIGATION
 - SEMI ADVANCED TREE MIN 100L IN 1 x 1m GALVANISED TREE GRILLE WITH IRRIGATION
 - PRECAST EUROSTONE (OR SIMILAR APPROVED) CONCRETE FEATURE PAVING 600x400x40mm ON 100mm CONCRETE SLAB WITH SL72 MESH CENTRAL. ON 50mm CLASS 2 CRUSHED ROCK. 90% ZURICH COLOUR & 10% CYPRUS COLOUR
 - ROLLED TURF OVER MINIMUM 200mm DEPTH CLEAN TOPSOIL. IRRIGATED BY AUTOMATED SYSTEM
 - HIGH QUALITY ARTIFICIAL TURF OVER CONCRETE SLAB
 - MIN 75mm COMPACTED TOPPIINGS SURFACE OVER 75mm COMPACTED FCR. 3% CEMENT ROLLED INTO TOP LAYER
 - 125mm THICK NON SLIP CONCRETE FOOTPATH WITH NON-SLIP FINISH AND SL72 MESH CENTRAL
 - 40mm THICKNESS SIZE 7MM HMA TYPE N. CLASS 170 BITUMEN BINDER. ON 100mm THICKNESS COMPACTED CRUSHED ROCK
 - ORGANIC SOFTFALL MULCH, MIN. 400mm DEPTH, WITH SUBSURFACE DRAINAGE CONNECTED TO STORMWATER
 - SAND PIT - MINIMUM 400mm DEPTH CLEAN WASHED SAND WITH GEOFABRIC & DRAINAGE
 - SHRUB AND GROUND COVER PLANTING ON MINIMUM 450mm DEPTH CLEAN TOPSOIL & 75mm DEPTH ORGANIC MULCH. ALL THESE AREAS SERVICED BY AUTOMATED IRRIGATION SYSTEM

NSW GOVERNMENT
 Planning
 Issued under the Environmental Planning and Assessment Act 1979
 Approved Application No. **SSD 8344**
 granted on the **16 MAR 2018**
 Signed *[Signature]*
 Sheet No. **30** of **44**
 IRRIGATION NOTE: CONTRACTOR TO ALLOW FOR THE DESIGN AND CONSTRUCTION OF AN AUTOMATED IRRIGATION SYSTEM FOR ALL LAWN AREAS, INTERNAL COURTYARD PLANTERS, SPORTS TURF AREAS, TREES AND GARDEN BED AREAS

Education						DO NOT SCALE		Drawn L.KRSTIC Designer S.HANSEN	Client NSW DEPARTMENT OF EDUCATION Project NORTH KELLYVILLE NEW PRIMARY SCHOOL Title GENERAL ARRANGEMENT PLAN SHEET 1 OF 3
K SSD SUBMISSION SH PM* MD* 27.11.17				Scale 1:250 Date		Drafting Check A. MACLEAN* Design Check R. NOWOISKY*		Original Size A1	
Plot Date: 26 November 2017 - 12:04 PM Plotted by: Steve Hansen				Cad File No: N:\AU\Sydney\Projects\2126108\6. Kellyville North PS\06 Landscape\03 Scheme Design\21_2108 XL LANDSCAPE.dwg		Conditions of Use: This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.		Drawing No: 2126108-KN-SD-LA-0002 Rev: K	



- LEGEND**
- SEMI-ADVANCED TREE MIN 100L WITH THREE HW STAKES WITH IRRIGATION
 - SEMI-ADVANCED TREE MIN 100L IN 1 x 1m GALVANISED STEEL GRILLE WITH IRRIGATION
 - PRECAST EUROSTONE (OR SIMILAR APPROVED) CONCRETE FEATURE PAVING 600x400x40mm ON 100mm CONCRETE SLAB WITH SL72 MESH CENTRAL. ON 50mm CLASS 2 CRUSHED ROCK, 90% ZURICH COLOUR & 10% CYPRUS COLOUR
 - ROLLED TURF OVER MINIMUM 200mm DEPTH CLEAN TOPSOIL, IRRIGATED BY AUTOMATED SYSTEM
 - HIGH QUALITY ARTIFICIAL TURF OVER CONCRETE SLAB
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 - 125mm THICK NON-SLIP CONCRETE FOOTPATH WITH NON-SLIP FINISH AND SL72 MESH CENTRAL
 - 40mm THICKNESS SIZE 7MM HMA TYPE N, CLASS 170 BITUMEN BINDER, ON 100mm THICKNESS COMPACTED CRUSHED ROCK
 - ORGANIC SOFTFALL MULCH, MIN. 400mm DEPTH, WITH SUBSURFACE DRAINAGE CONNECTED TO STORMWATER
 - SAND PIT - MINIMUM 400mm DEPTH CLEAN WASHED SAND WITH GEOFABRIC & DRAINAGE
 - SHRUB AND GROUND COVER PLANTING ON MINIMUM 450mm DEPTH CLEAN TOPSOIL & 75mm DEPTH ORGANIC MULCH. ALL THESE AREAS SERVICED BY AUTOMATED IRRIGATION SYSTEM
 - 2.1m HIGH BLACK CORROMESH 358 FENCE AND GATE
 - HW TIMBER SCREEN WITH 125mm SQUARE POSTS & 50x50mm HW TIMBER BATTENS WITH 50mm GAP. SCREEN HEIGHT VARIES FROM 1.6 TO 1.9m
 - 2.2m LONG TIMBER AND STEEL BENCH

NSW GOVERNMENT Planning

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granted on the 16 MAR 2018

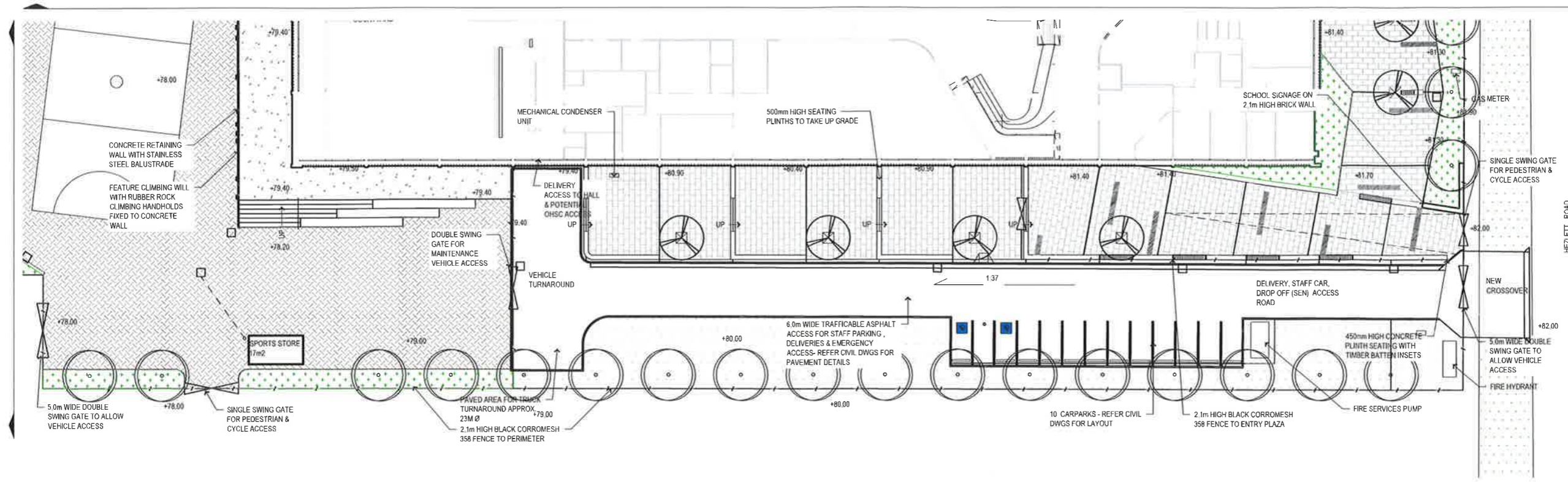
Signed [Signature]

Sheet No. 31 of 44

IRRIGATION NOTE: CONTRACTOR TO ALLOW FOR THE DESIGN AND CONSTRUCTION OF AN AUTOMATED IRRIGATION SYSTEM FOR ALL LAWN AREAS, INTERNAL COURTYARD PLANTERS, SPORTS TURF AREAS, TREES AND GARDEN BED AREAS

DEVELOPMENT APPLICATION

						DO NOT SCALE		Drawn L.KRSTIC Designer S.HANSEN	Client NSW DEPARTMENT OF EDUCATION Project NORTH KELLYVILLE NEW PRIMARY SCHOOL Title GENERAL ARRANGEMENT PLAN SHEET 2 OF 3
L SSD SUBMISSION				SH PM* MD* 27.11.17		Drafting Check A.MACLEAN* Design Check R.NOWOISKY*		Approved (Project Director) Date	Original Size A1 Drawing No: 2126108-KN-SD-LA-0003 Rev: L
No Revision Note * indicates signatures on original issue of drawing or last revision of drawing				Drawn Job Manager Project Director Date		Scale 1:250		This Drawing must not be used for construction unless signed as approved	



LEGEND

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- SEMI ADVANCED TREE MIN 100L IN 1 x 1m GALVANISED TREE GRILLE WITH IRRIGATION
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- MIN 75mm COMPACTED TOPPINGS SURFACE OVER 75mm COMPACTED FCR. 3% CEMENT ROLLED INTO TOP LAYER
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- 2.2m LONG TIMBER AND STEEL BENCH

NSW GOVERNMENT Planning

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8344

granted on the 16 MAR 2018

Signed [Signature]

Sheet No. 33 of 44

IRRIGATION NOTE: CONTRACTOR TO ALLOW FOR THE DESIGN AND CONSTRUCTION OF AN AUTOMATED IRRIGATION SYSTEM FOR ALL LAWN AREAS, INTERNAL COURTYARD PLANTERS, SPORTS TURF AREAS, TREES AND GARDEN BED AREAS

DEVELOPMENT APPLICATION

Education						DO NOT SCALE		Drawn L.KRSTIC Designer S.HANSEN	Client NSW DEPARTMENT OF EDUCATION Project NORTH KELLYVILLE NEW PRIMARY SCHOOL Title GENERAL ARRANGEMENT PLAN SHEET 3 OF 3
E SSD SUBMISSION				SH PM* MD* 27.11.17		Drafting Check A.MACLEAN* Design Check R.NOWISKY*		Approved (Project Director) Date	Original Size A1 Drawing No: 2126108-KN-SD-LA-0005 Rev: E
No Revision Note: * indicates signatures on original issue of drawing or last revision of drawing				Drawn Job Manager Project Director Date		Scale 1:250		This Drawing must not be used for Construction unless signed as Approved	

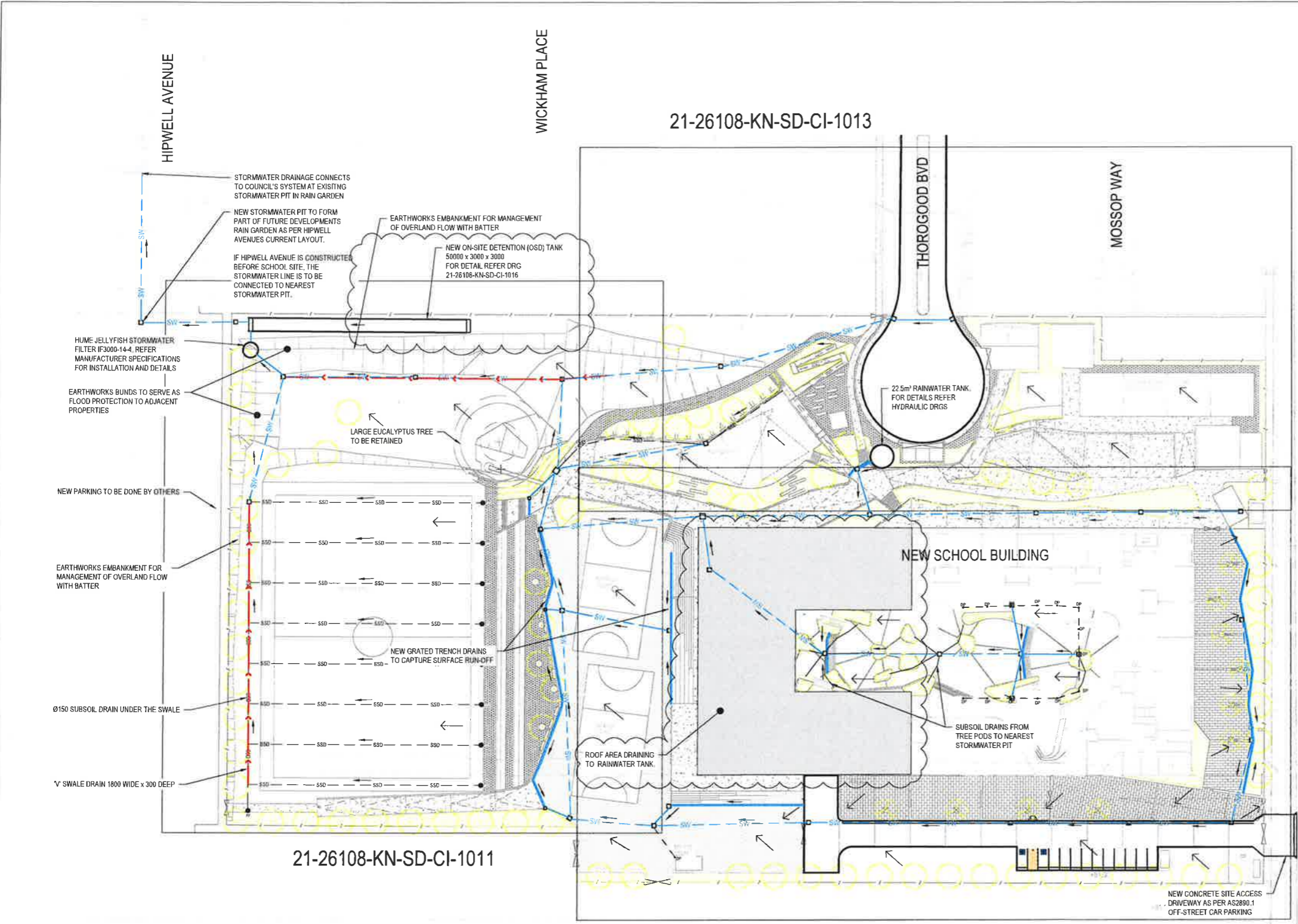
21-26108-KN-SD-CI-1013

LEGEND:

- NEW GRATED TRENCH DRAIN
- NEW STORMWATER PIPE
- NEW STORMWATER PIT
- PIPE FLOW DIRECTION
- NEW GRASSED DRAINAGE SWALE
- NEW SUBSOIL DRAINAGE
- NEW RAINWATER TANK
- NEW DOWNPIPE CONNECTION LINE Ø150 UPVC
- OVERLAND FLOW DIRECTION

NOTES:

1. ALL STORMWATER PIPES TO HAVE A MINIMUM OF 1% SLOPE IN DIRECTION SHOWN. ALL PIPES TO BE MINIMUM 450mm COVER IN LANDSCAPED/FOOTPATH AREA AND 600mm COVER IN TRAFFICABLE AREA.
2. ALL STORMWATER PIPES TO BE REINFORCED CONCRETE (RCP) CLASS 2 WITH RUBBER RING JOINT UNO.
3. STORMWATER PIPES ARE TO BE INSTALLED IN ACCORDANCE WITH AS 3725. ALL BEDDING IS TO BE TYPE H2 UNLESS NOTED OTHERWISE.
4. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
5. STORMWATER PITS/SIGRATED PITS AND COVERS/GRATES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
6. GRATES AND COVERS SHALL CONFORM WITH AS 3896-1992.
7. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH CURRENT STANDARDS AND CONSTRUCTION SPECIFICATIONS.
8. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.
9. ALL STRUCTURES TO BE CONSTRUCTED TO NEW FINISHED SURFACE LEVELS.
10. DATUM FOR LEVELS IS AHD.
11. THE POSITION, SIZE, SURFACE LEVELS AND INVERT LEVELS OF EXISTING STORMWATER PITS ARE TAKEN FROM SURVEY DRAWING. THESE ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
12. ALL STORMWATER PITS SHALL BE CONSTRUCTED USING CAST IN-SITU CONCRETE OR HEAVY DUTY PRECAST PITS.
13. CONNECTION TO EXISTING STORMWATER PITS TO BE CARRIED OUT BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATION AND IN CONSULTATION WITH THE ASSET OWNER (i.e. COUNCIL). MAKE REQUIRED OPENING INSIDE THE EXISTING STORMWATER PIT WALL AT THE CONNECTION POINT OF NEW LINE. REPAIR AND MAKE GOOD THE PIT WALL INCLUDING NECESSARY ADJUSTMENT OF THE PIT BENCHING TO MATCH NEW PIPE CONNECTIONS.
14. GRATES, FRAMES AND COVERS IN ROADWAYS TO BE DURHAM OR RMS APPROVED HEAVY DUTY CLASS D.
15. GRATES AND FRAMES NOT IN ROADWAYS TO BE DURHAM OR EQUIVALENT MEDIUM DUTY CLASS B.
16. ALL GRATES TO BE HINGED AND LOCKABLE. PROVIDE HEEL SAFE GRATE AS PER AS 1428.1-7.5 IN ROADWAYS AND PARKING AREA (PEDESTRIAN TRAVERSING AREAS).



21-26108-KN-SD-CI-1011

21-26108-KN-SD-CI-1012

OVERALL STORMWATER DRAINAGE PLAN
SCALE 1:500

NSW GOVERNMENT Planning

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Approved Application No... 55D 8344

granted on the... **16 MAR 2018**

Signed... *[Signature]*

Sheet No... 34 ... of 44

I	ISSUED FOR SSD SUBMISSION	MR	MD*	BM*	02.02.18	
H	ISSUED FOR SSD SUBMISSION	MR	MD*	BM*	30.01.18	
G	ISSUED FOR SSD SUBMISSION	MR	PM*	MD*	24.11.17	
F	SCHEME DESIGN FOR APPROVAL	MR	PM*	MD*	15.09.17	
E	ISSUED FOR SD SUBMISSION	MR	PM*	MD*	05.09.17	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

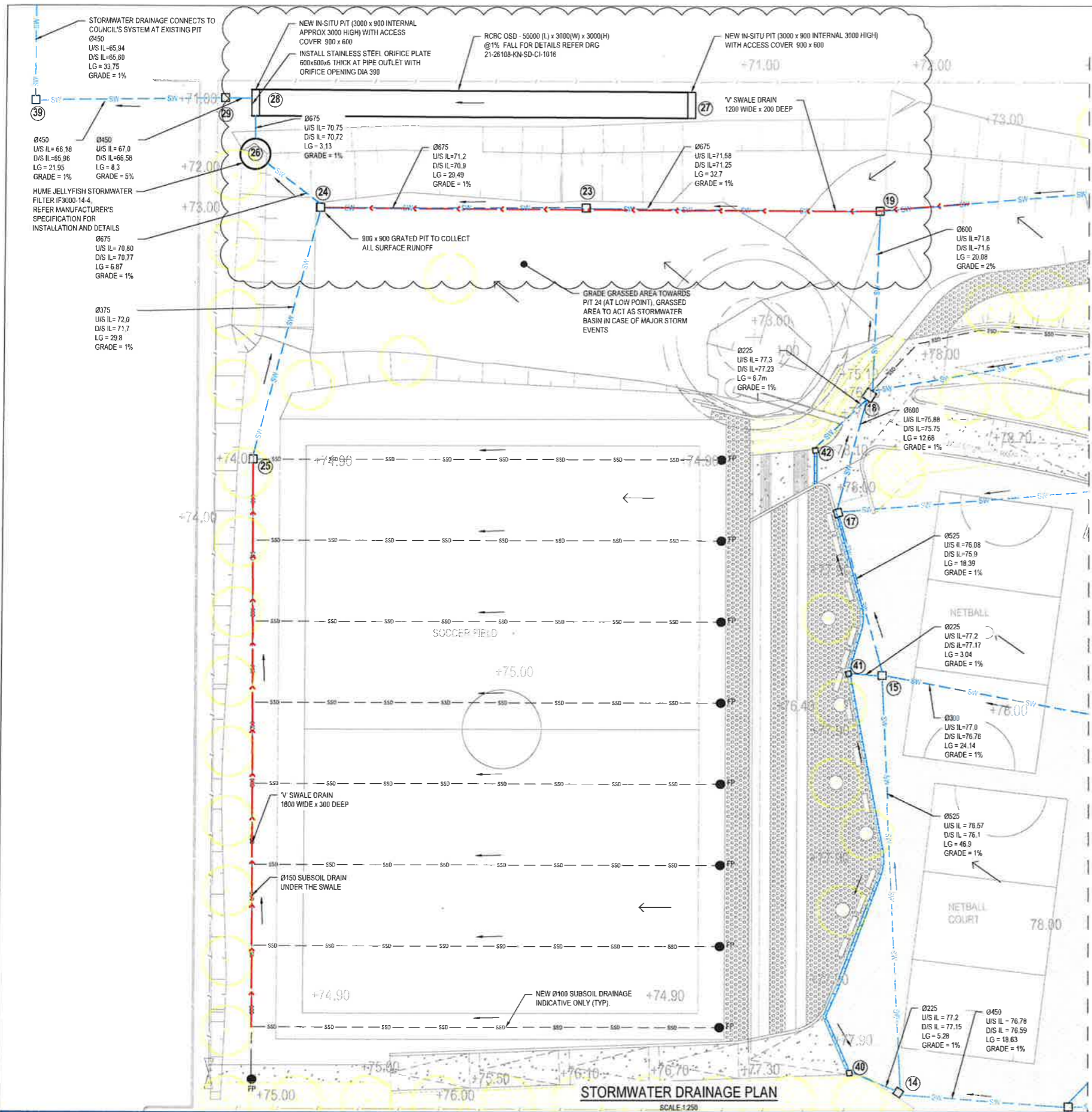
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DO NOT SCALE	Drawn M.RANGWALA	Designer G.DE SWARDT
Conditions of Use This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check A.MACLEAN*	Design Check A.RAHMAN*
	Approved (Project Director) Date	
	Scale 1:500	This Drawing must not be used for Construction unless signed as Approved

Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE PUBLIC SCHOOL
Title	CIVIL OVERALL STORMWATER DRAINAGE PLAN
Original Size	A1
Drawing No:	21-26108-KN-SD-CI-1010 Rev: H

PRELIMINARY

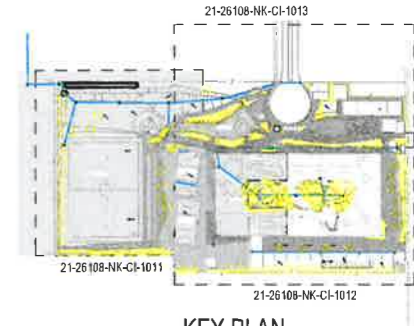


FOR CONTINUATION REFER DRG 21-26108-KN-CI-1012

PIT NUMBER	PIT DETAILS
1	600 x 600 GRATED INLET PIT
2	900 x 900 GRATED INLET PIT
3	900 x 900 GRATED INLET PIT
4	900 x 900 GRATED INLET PIT
5	900 x 900 GRATED INLET PIT
6	1200 x 1200 DEEP DROP PIT
7	900 x 900 GRATED INLET PIT
8	900 x 900 GRATED INLET PIT
9	900 x 900 GRATED INLET PIT
10	900 x 900 GRATED INLET PIT
11	900 x 900 GRATED INLET PIT
12	900 x 900 GRATED INLET PIT
13	900 x 900 GRATED INLET PIT
14	900 x 900 GRATED INLET PIT
15	600 x 600 GRATED INLET PIT
16	900 x 900 GRATED INLET PIT
17	600 x 600 GRATED INLET PIT
18	1200 x 1200 DEEP DROP PIT
19	900 x 900 GRATED INLET PIT
20	900 x 900 GRATED INLET PIT
21	900 x 900 GRATED INLET DROP PIT
22	900 x 900 GRATED INLET PIT
23	900 x 900 GRATED INLET PIT
24	900 x 900 GRATED INLET PIT
25	900 x 900 GRATED INLET PIT
26	GPT-HUMEGARD
27	3000 x 900 IN-SITU ACCESS PIT
28	3000 x 900 IN-SITU ACCESS PIT
29	1200 x 1200 DEEP DROP PIT
30	900 x 900 GRATED INLET PIT
31	900 x 900 GRATED INLET PIT
32	900 x 900 GRATED INLET PIT
33	900 x 900 GRATED INLET PIT
34	900 x 900 GRATED INLET PIT
35	900 x 900 GRATED INLET PIT
36	900 x 900 GRATED INLET PIT
37	900 x 900 GRATED INLET PIT
38	900 x 900 GRATED INLET PIT
39	900 x 900 GRATED INLET PIT
40	600 x 600 GRATED INLET PIT
41	600 x 600 GRATED INLET PIT
42	600 x 600 GRATED INLET PIT

- LEGEND:**
- NEW GRATED TRENCH DRAIN
 - NEW STORMWATER PIPE
 - NEW STORMWATER PIT
 - PIPE FLOW DIRECTION
 - NEW GRASSSED DRAINAGE SWALE
 - NEW SUBSOIL DRAINAGE
 - NEW RAINWATER TANK
 - NEW DOWNPIPE CONNECTION LINE Ø150 UPVC
 - NEW FLUSH POINT
 - OVERLAND FLOW DIRECTION

NOTES:
1. REFER TO DRG 21-26108-KN-SD-CI-1010 FOR DRAINAGE NOTES.



KEY PLAN
SCALE 1:2500

NSW GOVERNMENT
Planning

issued under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8344

granted on the 16 MAR 2018

Signed [Signature]

Sheet No. 35 of 44

PRELIMINARY

<table border="1"> <tr><td>G</td><td>ISSUED FOR SSD SUBMISSION</td><td>MR</td><td>PM*</td><td>MD*</td><td>02.02.18</td></tr> <tr><td>F</td><td>ISSUED FOR SSD SUBMISSION</td><td>MR</td><td>PM*</td><td>MD*</td><td>24.11.17</td></tr> <tr><td>E</td><td>SCHEME DESIGN FOR APPROVAL</td><td>MR</td><td>PM*</td><td>MD*</td><td>15.09.17</td></tr> <tr><td>D</td><td>ISSUED FOR SD SUBMISSION</td><td>MR</td><td>PM*</td><td>MD*</td><td>05.09.17</td></tr> <tr><td>B</td><td>ISSUED FOR SSD SUBMISSION</td><td>MR</td><td>CS*</td><td>SM*</td><td>09.08.17</td></tr> </table>	G	ISSUED FOR SSD SUBMISSION	MR	PM*	MD*	02.02.18	F	ISSUED FOR SSD SUBMISSION	MR	PM*	MD*	24.11.17	E	SCHEME DESIGN FOR APPROVAL	MR	PM*	MD*	15.09.17	D	ISSUED FOR SD SUBMISSION	MR	PM*	MD*	05.09.17	B	ISSUED FOR SSD SUBMISSION	MR	CS*	SM*	09.08.17	<p>Scale 1:250 AT ORIGINAL SIZE</p> <p>Scale 1:250 AT ORIGINAL SIZE</p>		<p>Level 15, 133 Castlereagh Street, Sydney NSW 2000 Australia T 61 2 9239 7100 F 61 2 9239 7199 E sydmail@ghd.com W www.ghd.com</p>	<p>DO NOT SCALE</p> <p>Conditions of Use This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.</p>	<table border="1"> <tr><td>Drawn</td><td>M RANGWALA</td></tr> <tr><td>Designer</td><td>G.DE SWARDT</td></tr> <tr><td>Drafting Check</td><td>A MACLEAN*</td></tr> <tr><td>Design Check</td><td>A RAHMAN*</td></tr> <tr><td>Approved (Project Director)</td><td></td></tr> <tr><td>Date</td><td></td></tr> <tr><td>Scale</td><td>1:500</td></tr> </table> <p>This Drawing must not be used for construction unless signed as Approved</p>	Drawn	M RANGWALA	Designer	G.DE SWARDT	Drafting Check	A MACLEAN*	Design Check	A RAHMAN*	Approved (Project Director)		Date		Scale	1:500	<table border="1"> <tr><td>Client</td><td>NSW DEPARTMENT OF EDUCATION</td></tr> <tr><td>Project</td><td>NORTH KELLYVILLE PUBLIC SCHOOL</td></tr> <tr><td>Title</td><td>CIVIL STORMWATER DRAINAGE PLAN-SHEET 1 OF 3</td></tr> <tr><td>Original Size</td><td>A1</td></tr> <tr><td>Drawing No.</td><td>21-26108-KN-SD-CI-1011</td></tr> <tr><td>Rev.</td><td>F</td></tr> </table>	Client	NSW DEPARTMENT OF EDUCATION	Project	NORTH KELLYVILLE PUBLIC SCHOOL	Title	CIVIL STORMWATER DRAINAGE PLAN-SHEET 1 OF 3	Original Size	A1	Drawing No.	21-26108-KN-SD-CI-1011	Rev.	F
G	ISSUED FOR SSD SUBMISSION	MR	PM*	MD*	02.02.18																																																									
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Rev.	F																																																													

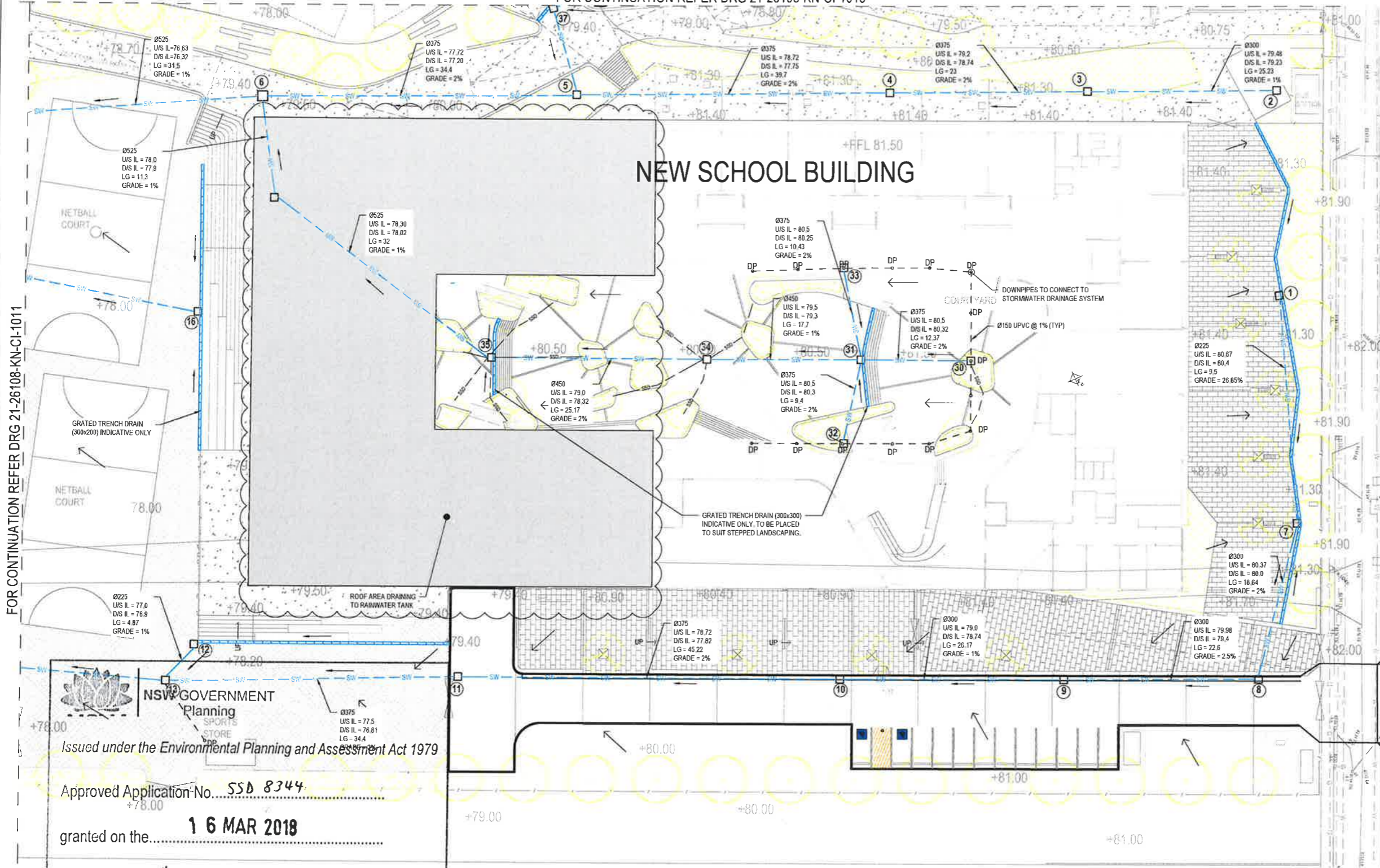
NOTES:
 1. REFER TO DRG 21-26108-KN-SD-CI-1010 FOR DRAINAGE NOTES.

- LEGEND:**
- NEW GRATED TRENCH DRAIN (300W x 200D)
 - NEW STORMWATER PIPE
 - NEW STORMWATER PIT
 - PIPE FLOW DIRECTION
 - NEW GRASSED DRAINAGE SWALE
 - NEW SUBSOIL DRAINAGE
 - NEW RAINWATER TANK
 - NEW DOWNPIPE CONNECTION LINE Ø150 UPVC
 - NEW FLUSH POINT
 - OVERLAND FLOW DIRECTION

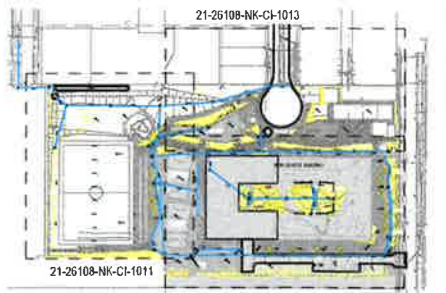
PIT SCHEDULE

PIT NUMBER	PIT DETAILS
1	600 x 600 GRATED INLET PIT
2	900 x 900 GRATED INLET PIT
3	900 x 900 GRATED INLET PIT
4	900 x 900 GRATED INLET PIT
5	900 x 900 GRATED INLET PIT
6	1200 x 1200 DEEP DROP PIT
7	900 x 900 GRATED INLET PIT
8	900 x 900 GRATED INLET PIT
9	900 x 900 GRATED INLET PIT
10	900 x 900 GRATED INLET PIT
11	900 x 900 GRATED INLET PIT
12	900 x 900 GRATED INLET PIT
13	900 x 900 GRATED INLET PIT
14	900 x 900 GRATED INLET PIT
15	600 x 600 GRATED INLET PIT
16	900 x 900 GRATED INLET PIT
17	600 x 600 GRATED INLET PIT
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20	900 x 900 GRATED INLET PIT
21	900 x 900 GRATED INLET DROP PIT
22	900 x 900 GRATED INLET PIT
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24	900 x 900 GRATED INLET PIT
25	900 x 900 GRATED INLET PIT
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32	900 x 900 GRATED INLET PIT
33	900 x 900 GRATED INLET PIT
34	900 x 900 GRATED INLET PIT
35	900 x 900 GRATED INLET PIT
36	900 x 900 GRATED INLET PIT
37	900 x 900 GRATED INLET PIT
38	900 x 900 GRATED INLET PIT
39	900 x 900 GRATED INLET PIT
40	600 x 600 GRATED INLET PIT
41	600 x 600 GRATED INLET PIT
42	600 x 600 GRATED INLET PIT

FOR CONTINUATION REFER DRG 21-26108-KN-CI-1013



FOR CONTINUATION REFER DRG 21-26108-KN-CI-1011



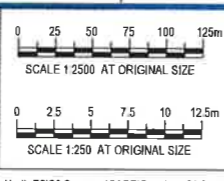
NSW GOVERNMENT
 Planning
 SPORTS STORE
 Issued under the Environmental Planning and Assessment Act 1979
 Approved Application No. SSD 8344
 granted on the **16 MAR 2018**
 Signed [Signature]
 Sheet No. 36 of 44

STORMWATER DRAINAGE PLAN
 SCALE 1:250

KEY PLAN
 SCALE 1:2500

PRELIMINARY

No	Revision	Note	Drawn	Job Manager	Project Director	Date
H	ISSUED FOR SSD SUBMISSION		MR	MD*	BM*	02.02.18
G	ISSUED FOR SSD SUBMISSION		MR	MD*	BM*	30.01.18
F	ISSUED FOR SSD SUBMISSION		MR	PM*	MD*	24.11.17
E	SCHEME DESIGN FOR APPROVAL		MR	PM*	MD*	15.09.17
D	ISSUED FOR SD SUBMISSION		MR	PM*	MD*	05.09.17



DO NOT SCALE

Drawn	M.RANGWALA	Designer	G.DE SWARDT
Drafting Check	A.MACLEAN*	Design Check	A.RAHMAN*
Approved (Project Director)	Date		
Scale	1:500		

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Client	NSW DEPARTMENT OF EDUCATION		
Project	NORTH KELLYVILLE PUBLIC SCHOOL		
Title	CIVIL STORMWATER DRAINAGE PLAN-SHEET 2 OF 3		
Original Size	A1	Drawing No:	21-26108-KN-SD-CI-1012 Rev: G



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Planning

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Approved Application No. **SSD 8344**

granted on the **16 MAR 2018**

Signed *[Signature]*

Sheet No. **37** of **44**



KEY PLAN
SCALE 1:2500

LEGEND:

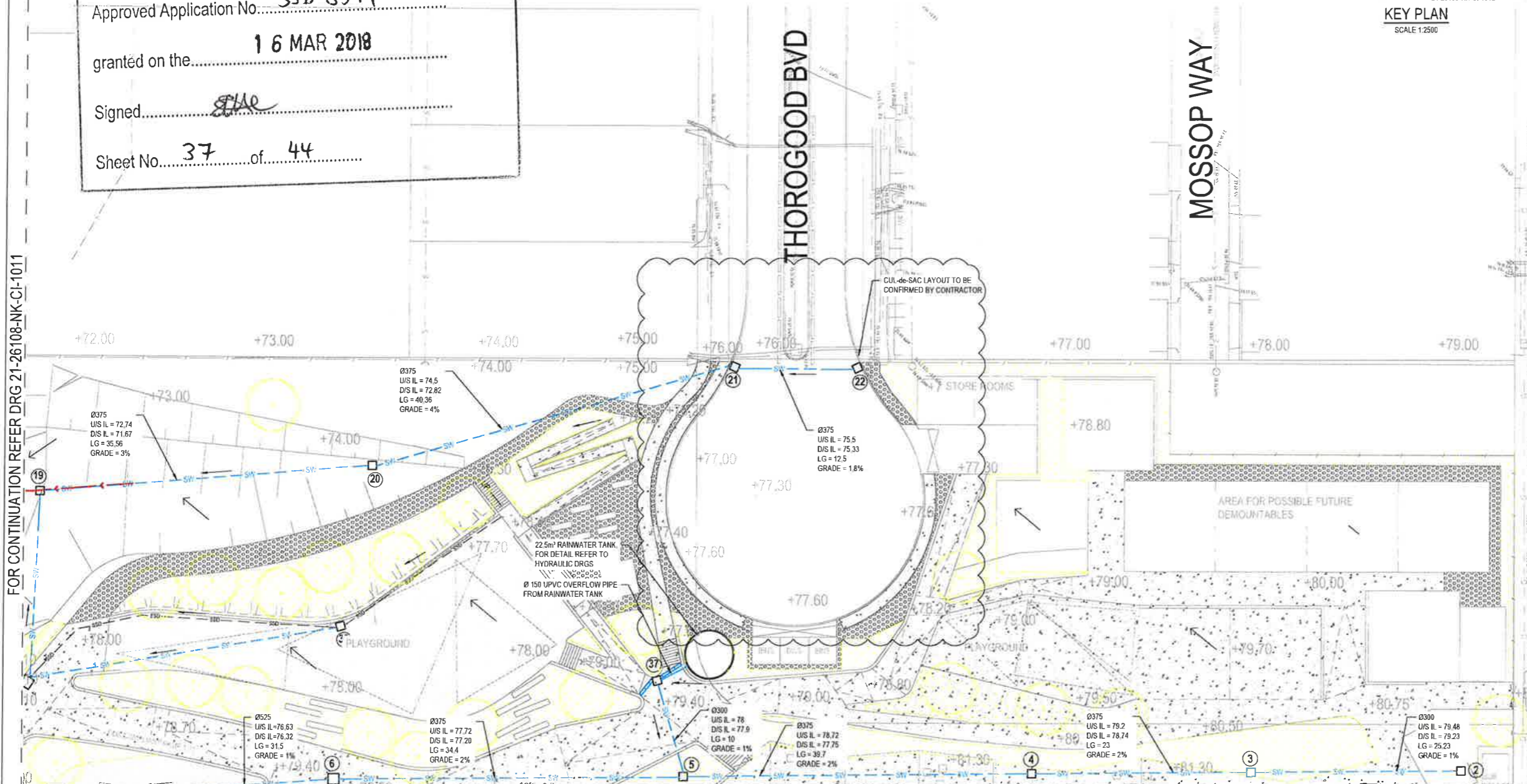
- NEW GRATED TRENCH DRAIN
- NEW STORMWATER PIPE
- NEW STORMWATER PIT
- PIPE FLOW DIRECTION
- NEW GRASSED DRAINAGE SWALE
- NEW SUBSOIL DRAINAGE
- NEW RAINWATER TANK
- NEW DOWNPIPE CONNECTION LINE Ø150 UPVC
- NEW FLUSH POINT
- OVERLAND FLOW DIRECTION

NOTES:

- REFER TO DRG 21-26108-KN-SD-CI-1010 FOR DRAINAGE NOTES.

PIT SCHEDULE	
PIT NUMBER	PIT DETAILS
1	800 x 800 GRATED INLET PIT
2	900 x 800 GRATED INLET PIT
3	900 x 900 GRATED INLET PIT
4	900 x 900 GRATED INLET PIT
5	900 x 900 GRATED INLET PIT
6	1200 x 1200 DEEP DROP PIT
7	900 x 900 GRATED INLET PIT
8	900 x 900 GRATED INLET PIT
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13	900 x 900 GRATED INLET PIT
14	900 x 900 GRATED INLET PIT
15	600 x 600 GRATED INLET PIT
16	900 x 900 GRATED INLET PIT
17	600 x 600 GRATED INLET PIT
18	1200 x 1200 DEEP DROP PIT
19	900 x 900 GRATED INLET PIT
20	900 x 900 GRATED INLET PIT
21	900 x 900 GRATED INLET DROP PIT
22	900 x 900 GRATED INLET PIT
23	900 x 900 GRATED INLET PIT
24	900 x 900 GRATED INLET PIT
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32	900 x 900 GRATED INLET PIT
33	900 x 900 GRATED INLET PIT
34	900 x 900 GRATED INLET PIT
35	900 x 900 GRATED INLET PIT
36	900 x 900 GRATED INLET PIT
37	900 x 900 GRATED INLET PIT
38	900 x 900 GRATED INLET PIT
39	900 x 900 GRATED INLET PIT
40	600 x 600 GRATED INLET PIT
41	600 x 600 GRATED INLET PIT
42	600 x 600 GRATED INLET PIT

FOR CONTINUATION REFER DRG 21-26108-NK-CI-1011



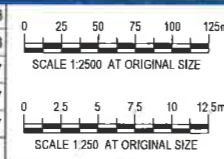
FOR CONTINUATION REFER DRG 21-26108-KN-CI-1012

STORMWATER DRAINAGE PLAN

SCALE 1:250

PRELIMINARY

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D	ISSUED FOR SSD SUBMISSION	MR	MD*	BM*	30.01.18
C	ISSUED FOR SSD SUBMISSION	MR	PM*	MD*	24.11.17
B	SCHEME DESIGN FOR APPROVAL	MR	PM*	MD*	15.09.17
A	ISSUED FOR SD SUBMISSION	MR	PM*	MD*	05.09.17

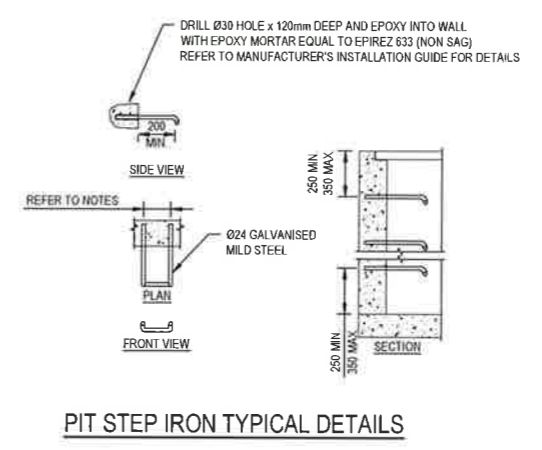
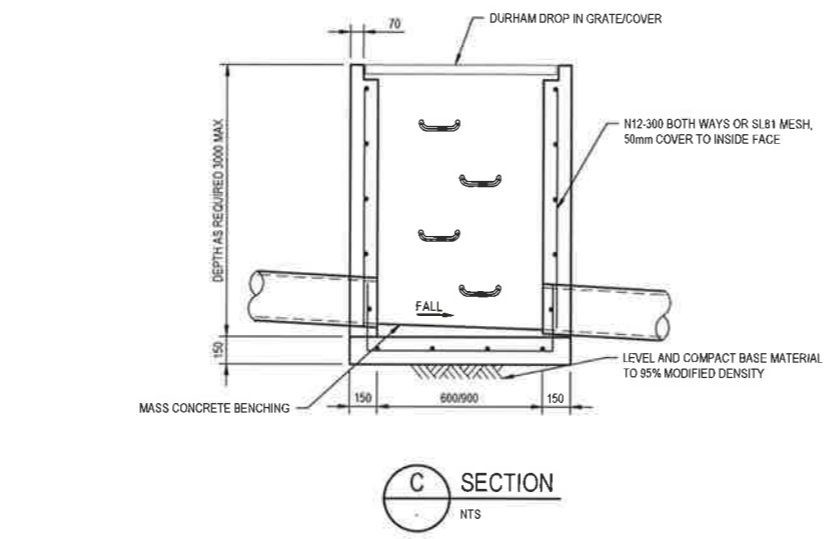
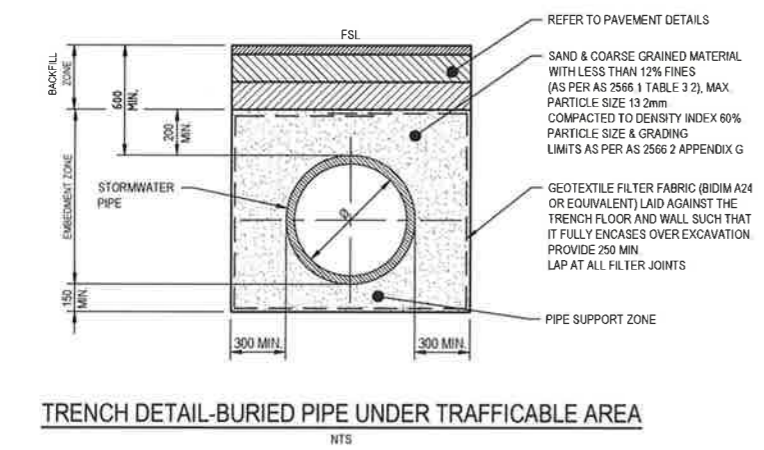
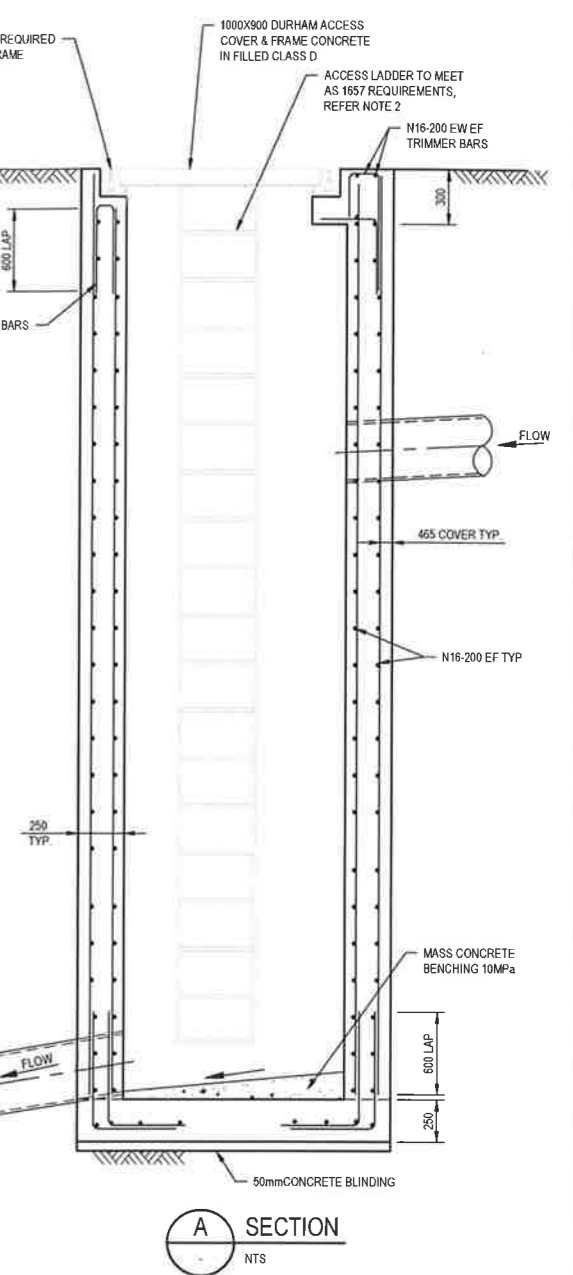
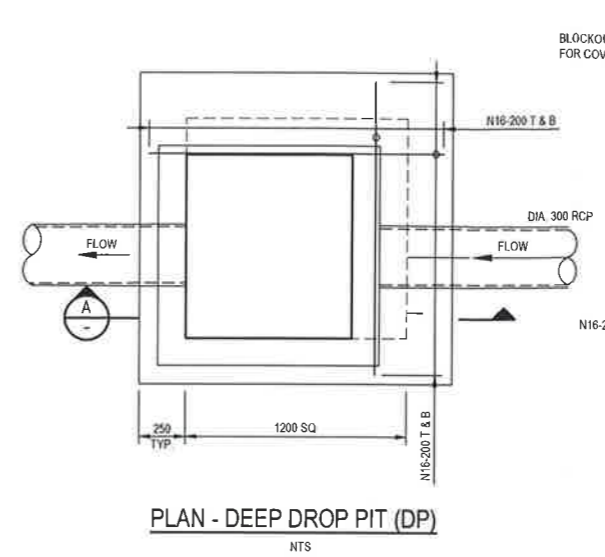
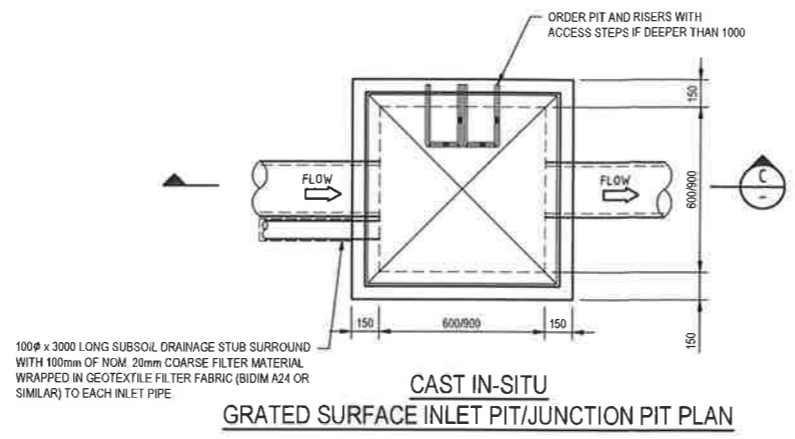
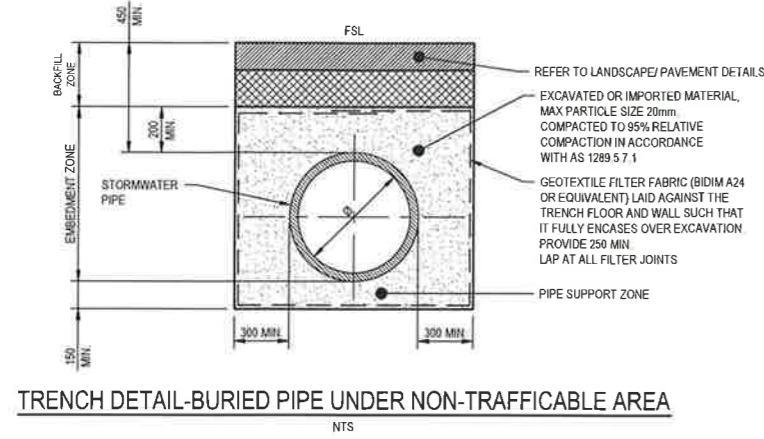


GHD
Level 15, 133 Castlereagh Street, Sydney NSW 2000 Australia
T 61 2 9239 7100 F 61 2 9239 7199
E sydney@ghd.com W www.ghd.com

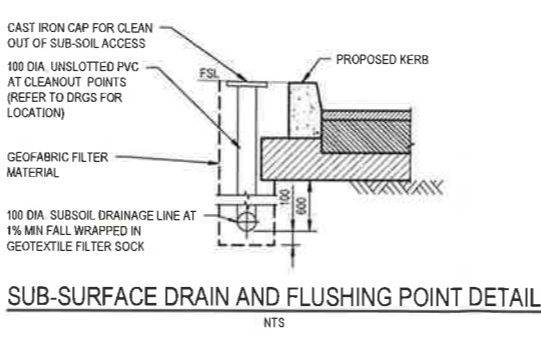
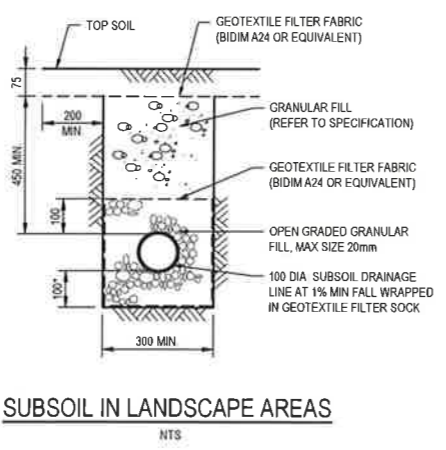
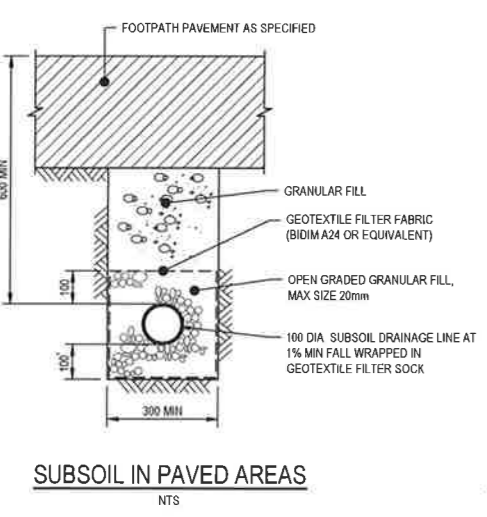
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Drawn	M.RANGWALA	Designer	G.DE SWARDT
Drafting Check	A.MACLEAN*	Design Check	A.RAHMAN*
Approved (Project Director)	Date		
Scale	1:500	This Drawing must not be used for Construction unless signed as Approved	

Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE PUBLIC SCHOOL
Title	CIVIL STORMWATER DRAINAGE PLAN-SHEET 3 OF 3
Original Size	A1
Drawing No.	21-26108-KN-SD-CI-1013
Rev.	D



- NOTES:**
1. WHEN POSITIONED IN STRAIGHT ALIGNMENT, STEP IS 400mm WIDE
 2. STAGGERED STEPS ARE 200mm WIDE, STEPS ARE STAGGERED 200 CENTRE TO CENTRE FOR ALL ALTERNATE STEPS
 3. SPACING OF STEPS ARE UNIFORM TO WITHIN ±2mm IN EACH PIT.



NSW GOVERNMENT Planning

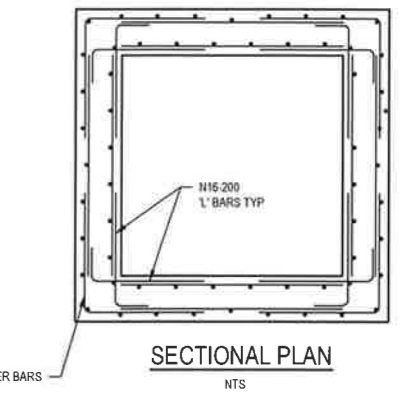
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Approved Application No. **SSD 8344**

granted on the **16 MAR 2018**

Signed *[Signature]*

Sheet No. **38** of **44**



PRELIMINARY

E	ISSUED FOR SSD SUBMISSION	MR	PM*	MD*	24.11.17		
D	ISSUED FOR SD SUBMISSION	MR	PM*	MD*	05.09.17		
C	ISSUED FOR SSD SUBMISSION	MR	CS*	SM*	09.08.17		
B	ISSUED FOR TENDER	MR	CS*	SM*	28.06.17		
No	Revision	Note	* indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



DO NOT SCALE	Drawn M.RANGWALA	Designer G.DE SWARDT	Client NSW DEPARTMENT OF EDUCATION
Conditions of Use: This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drafting Check A.MACLEAN*	Design Check A.RAHIMAN*	Project NORTH KELLYVILLE PUBLIC SCHOOL
	Approved (Project Director) Date		Title CIVIL STORMWATER DRAINAGE DETAILS-SHEET 1 OF 2
	Scale NTS	This Drawing must not be used for Construction unless signed as Approved	

Original Size	A1	Drawing No:	21-26108-KN-SD-CI-1015	Rev:	E
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NSW GOVERNMENT
Planning

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No.....SSD...8344.....

granted on the...16 MAR 2018.....

Signed.....*[Signature]*.....

Sheet No...39...of...44.....

THIS IS AN
**ON SITE STORMWATER
DETENTION SYSTEM**
REQUIRED BY YOUR LOCAL COUNCIL
IT IS AN OFFENCE TO REDUCE THE VOLUME OF
THE TANK OR BASIN OR TO INTERFERE WITH THE
ORIFICE PLATE THAT CONTROLS THE OUTFLOW
THIS PLATE MUST NOT BE REMOVED

CORNERS: SQUARE
COLOUR: ETCHED AND FILLED BLACK LEGEND ON
NATURAL SILVER BACKGROUND
MATERIAL: ALUMINIUM 0.9mm MILL

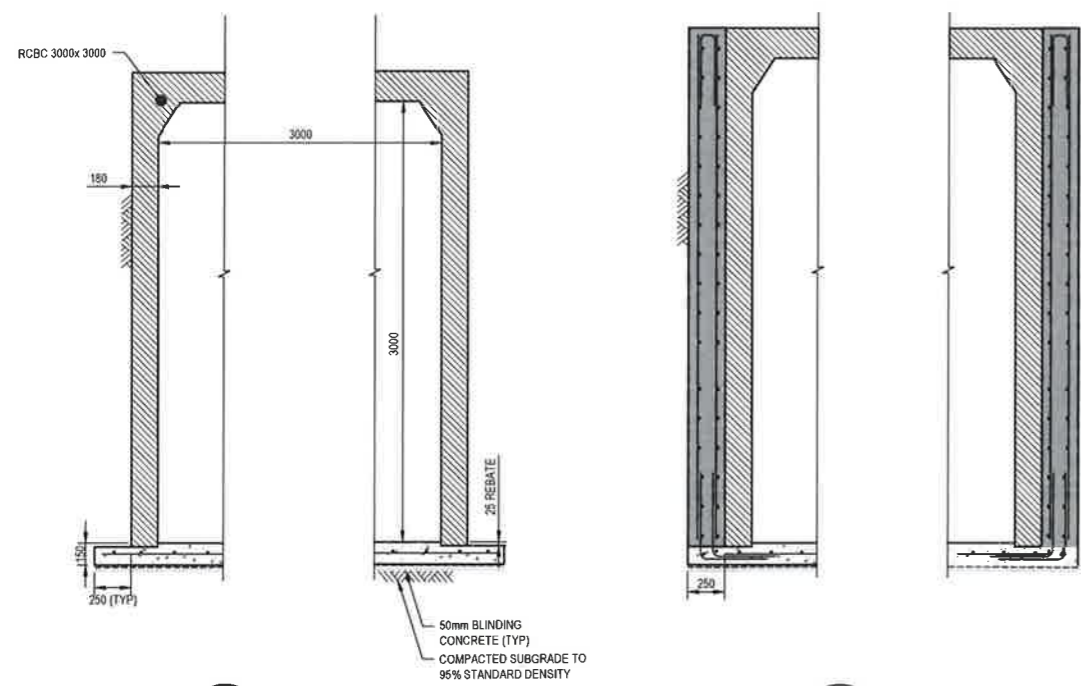
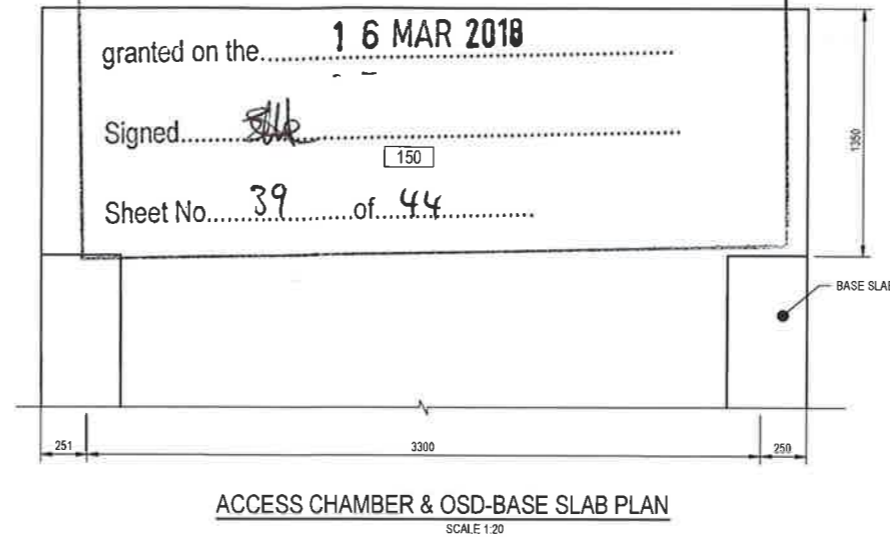
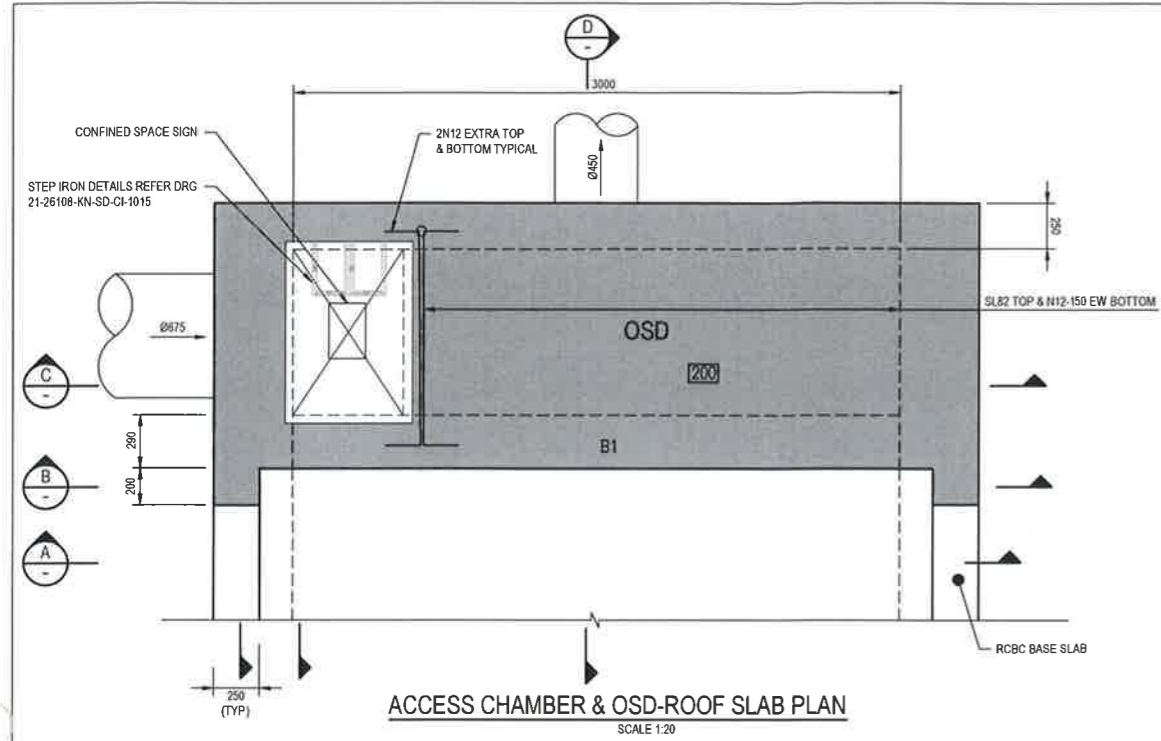
OSD PLAQUE
NTS

NOTES:

- 1 STRUCTURAL DETAIL DRGS WILL BE PROVIDED IN CONSTRUCTION SET
- 2 ALL ACCESS LIDS/GRATES TO BE 'CLASS B' (NON-TRAFFICABLE AREA) OR CLASS D (TRAFFICABLE AREA) BOLT DOWN
- 3 REFER MANUFACTURERS SPECIFICATION FOR INSTALLATION AND MAINTENANCE INSTRUCTIONS

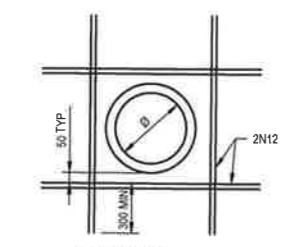
ABBREVIATIONS

EW DENOTES EACH WAY
CP DENOTES CENTRALLY PLACED
CJ DENOTES CONSTRUCTION JOINT

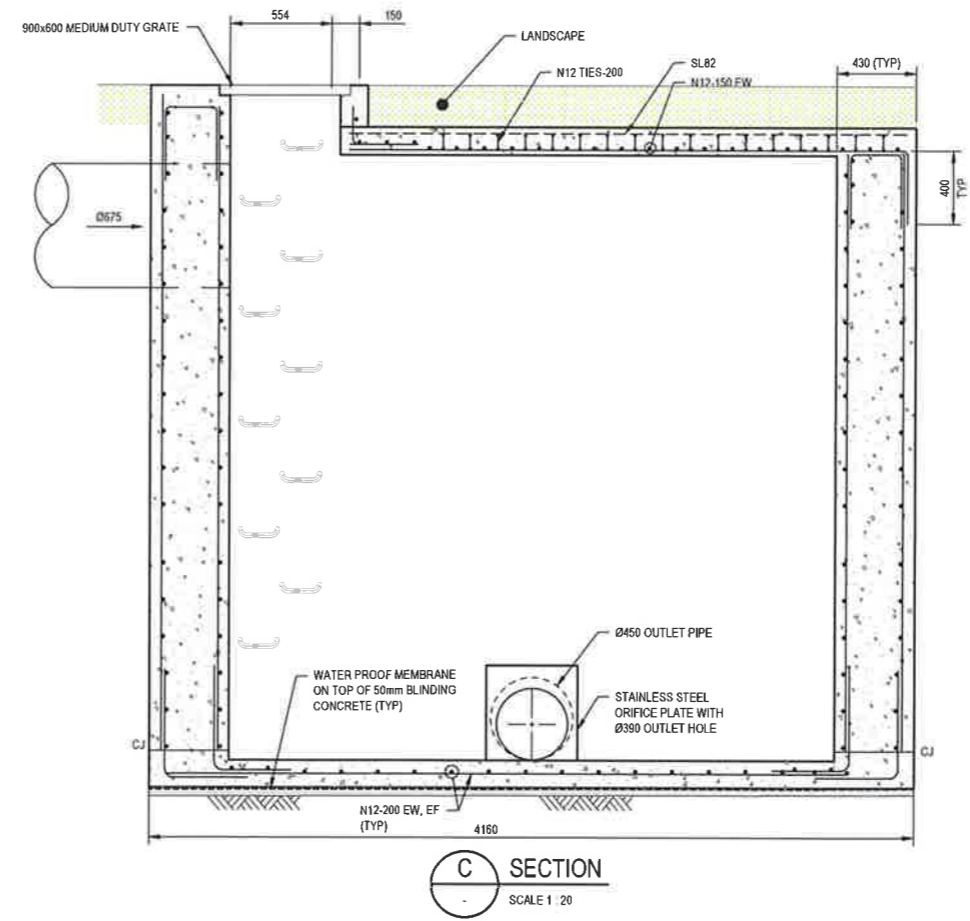


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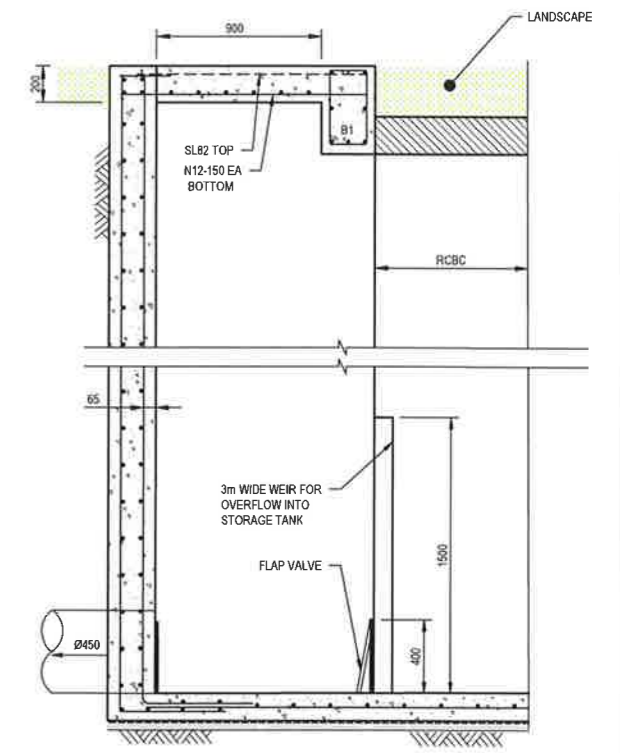
B SECTION
SCALE 1:25



PIPE PENETRATION DETAIL
SCALE 1:20



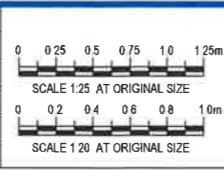
C SECTION
SCALE 1:20



D SECTION
SCALE 1:20

PRELIMINARY

No	Revision	Note	Drawn	Job Manager	Project Director	Date
D	ISSUED FOR SSD SUBMISSION		MR	PM*	MD*	24.11.17
C	SCHEME DESIGN FOR APPROVAL		MR	PM*	MD*	15.09.17
B	ISSUED FOR SD SUBMISSION		MR	PM*	MD*	05.09.17
A	ISSUED FOR SSD SUBMISSION		MR	CS*	SM*	09.08.17



DO NOT SCALE	
Drawn	M.RANGWALA
Designer	G.DE SWARDT
Drafting Check	A.MACLEAN*
Design Check	A. RAHMAN*
Approved (Project Director)	
Date	
Scale	1:20

Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE PUBLIC SCHOOL
Title	CIVIL STORMWATER DRAINAGE DETAILS-SHEET 2 OF 2
Original Size	A1
Drawing No	21-26108-KN-SD-CI-1016
Rev	D



Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. **SSD 8344**

granted on the **16 MAR 2018**

Signed *[Signature]*

Sheet No. **40** of **44**

LEGEND:

- NEW CONCRETE PAVED AREA
- NEW PRECAST CONCRETE FEATURE PAVED AREA TO LANDSCAPE ARCHITECT SPECIFICATION
- NEW ORGANIC SOFTFALL TO LANDSCAPE ARCHITECT SPECIFICATION
- NEW ASPHALT ROAD (TRAFFICABLE)
- NEW FEATURE PLAY AREA PAVED TO LANDSCAPE/ARCH SPECIFICATION
- LANDSCAPING TO ARCHITECT SPECIFICATION
- PROPOSED TURF SURFACE TO LANDSCAPE ARCHITECT SPECIFICATION

NOTES:

1. PAVEMENT AREAS ARE INDICATIVE ONLY
- LINE MARKING AND SIGNAGE NOTES:**
1. ALL LINE MARKINGS AND SIGNAGE TO BE APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF AS 2890 AND RMS STANDARDS, SPECIFICATIONS AND GUIDES
 2. LINE MARKING IN PARKING BAYS: PAINT WATER BASED - COLOUR 'WHITE' LINE SHALL BE 100mm WIDE UNBROKEN LINE FOR PARKING. LINE MARKING OTHER THAN PARKING BAYS: PAINT WATER BASED WITH REFLECTIVE GLASS BEADS - COLOUR 'WHITE'
 3. LINE MARKING FOR DISABLED PARKING AREAS:
 - 3.1. PAINT WATER BASED WITH REFLECTIVE BEADS
 - 3.2. COLOUR 'BLUE', 'YELLOW' AND 'WHITE' AS PER AS/NZS 2890 6 (2009)
 - 3.3. LINE MARKING AROUND THE DEDICATED ODA SPACES UNBROKEN 'YELLOW' LINES 100mm WIDE
 - 3.4. THE SYMBOL OF ACCESS (WHEELCHAIR) WHITE (800mm HIGH) ON A BLUE SQUARE (1200mm x 1200mm), SITTING 500mm BACK IN THE SPACE AND CENTRED
 - 3.5. THE SHARED SPACE IS TO BE OUTLINED WITH 'YELLOW' LINES 100mm WIDE ON ALL SIDES (EXCEPT ALONG KERB FACE) WITH 45° DIAGONAL STRIPES 150mm WIDE SPACED 300mm APART.
 - 3.6. ALL SPACES TO BE DELINEATED IN ACCORDANCE WITH AS/NZS 2890 6 (2009)
 4. ALL EXISTING SIGNS AFFECTED BY PROPOSED WORKS SHALL BE REINSTATED IF IN GOOD CONDITION, OTHERWISE THEY SHALL BE REPLACED.
 5. ALL SIGNS ARE TO BE ANTI-GRAFFITI COATED
 6. ALL SIGNS ARE TO BE TYPE 'A' UNLESS NOTED OTHERWISE ON PLAN
 7. BOLLARDS TO BE HEAVY DUTY GALVANISED STEEL "SECURAPOST" FIXED BOLLARDS 125NB (IBR125B) BY LEDA SECURITY PRODUCTS OR APPROVED EQUIVALENT TO BE CONCRETED INTO THE GROUND. FINISH SHALL BE FACTORY POWDER COAT TO AS 3715 IN 'INDUSTRIAL YELLOW'. WALL THICKNESS TO BE NOM. 5.4mm. BOLLARD TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS AND DETAILS

LINEMARKING AND SIGNAGE ABBREVIATIONS

- LM PARKING LINE MARKING
- PX PEDESTRIAN CROSSING
- KO KERB ONLY
- K&G KERB & GUTTER
- MK MOUNTABLE KERB
- FK FLUSH KERB
- TB GIVEWAY LINEMARKING



CHEVRON LINEMARKING
(ACCESSIBLE PARKING/ SHARED SPACE)

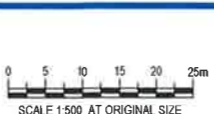


LINEMARKING FOR PEDESTRIAN CROSSING (PX)

PAVEMENT, LINEMARKING AND SIGNAGE PLAN

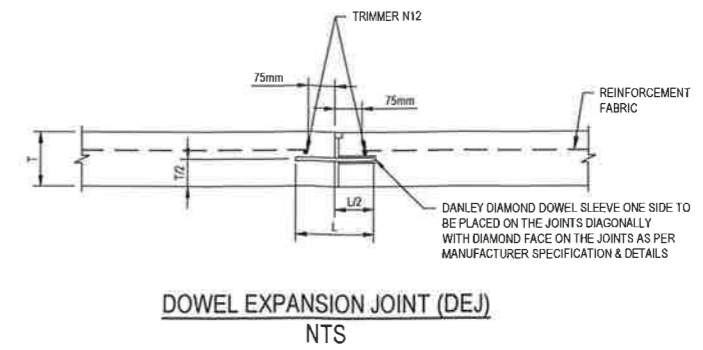
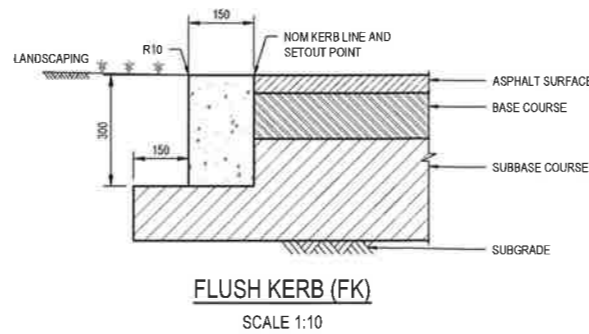
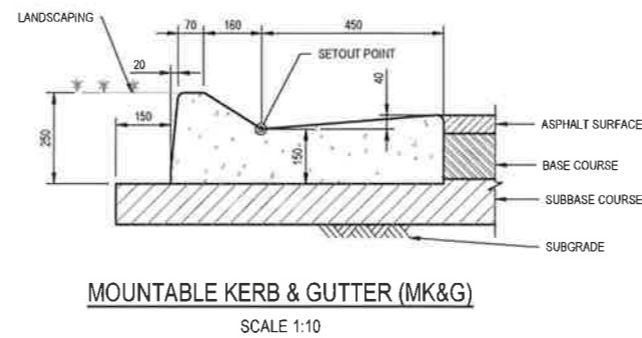
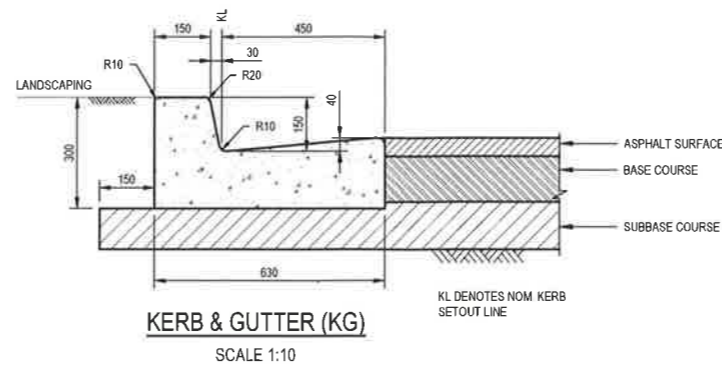
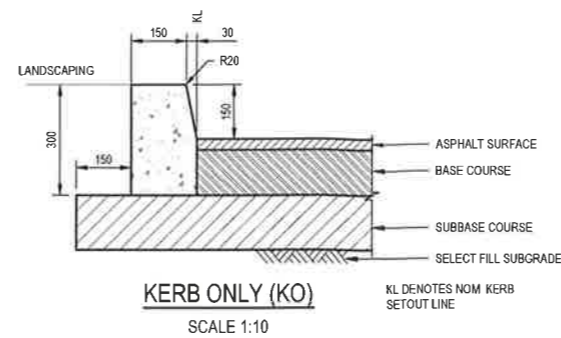
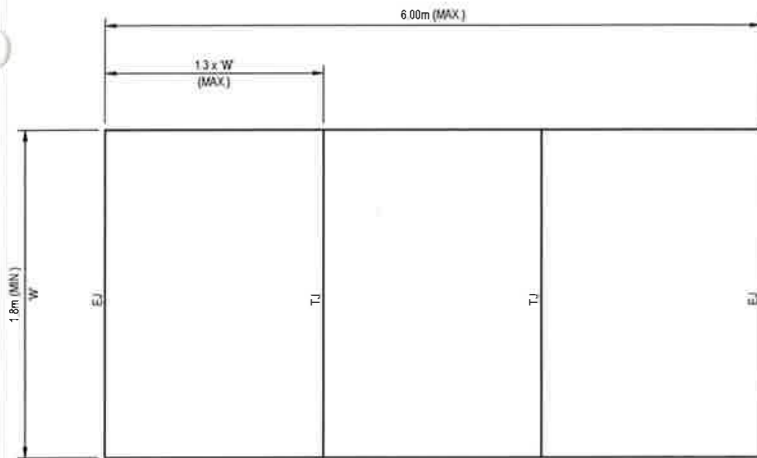
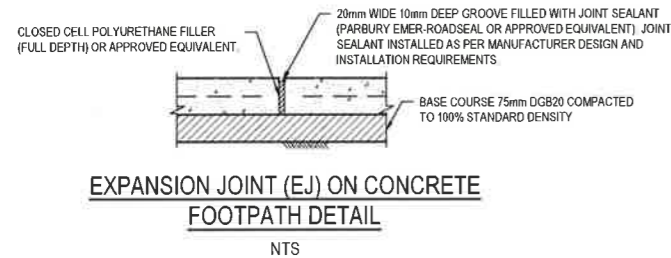
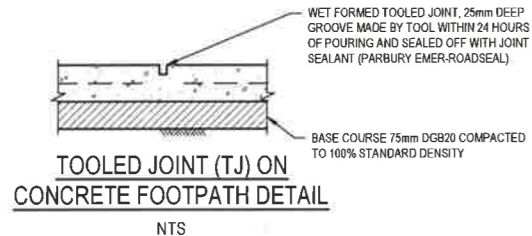
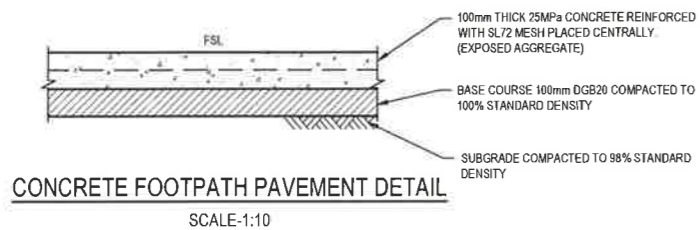
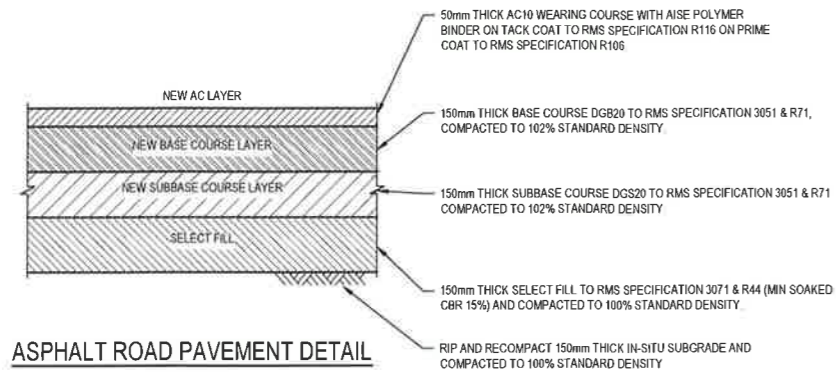
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E	SCHEME DESIGN FOR APPROVAL	MR	PM*	MD*	15.09.17	
D	ISSUED FOR SD SUBMISSION	MR	PM*	MD*	05.09.17	
C	ISSUED FOR SSD SUBMISSION	MR	CS*	SM*	09.08.17	
B	ISSUED FOR TENDER	MR	CS*	SM*	28.06.17	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

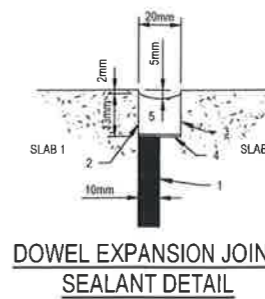


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	Approved (Project Director) Date	
	Scale 1:500	This Drawing must not be used for construction unless signed as Approved

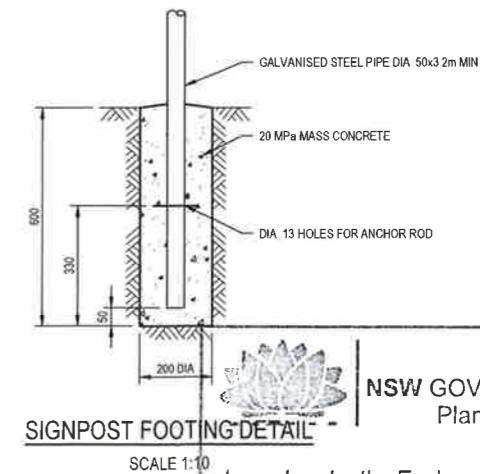
Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE PUBLIC SCHOOL
Title	CIVIL PAVEMENT, LINE MARKING & SIGNAGE PLAN
Original Size	A1
Drawing No:	21-26108-KN-SD-CI-1020
Rev:	F



FABRIC	T	L	DOWELS (GALV)
CONCRETE PAVEMENT	180	156	DANLEY 10x110x110 DIAMOND AT 450 CENTRES



- CLOSED CELL POLYURETHANE FILLER (FULL DEPTH) CUT HOLES IN FILLER TO FIT CLOSELY AROUND DOWELS
- FORM GROOVE IN SLAB 2 & AGAINST FACE OF SLAB 1
- JET WASH & DRY GROOVE AFTER SLAB CURING PERIOD, PRIME FACES WITH FOSROC PRIMER 10
- BOND BREAKER TAPE
- INSTALL JOINT SEALANT PARBURY EMER-ROADSEAL OR APPROVED EQUIVALENT WITH MOVEMENT ACCOMMODATION FACTOR +/- 50% IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS



Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8344

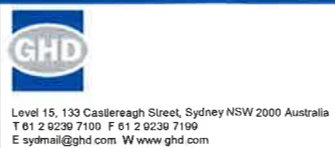
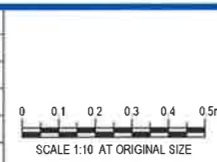
granted on the 16 MAR 2018

Signed [Signature]

Sheet No. 41 of 44

PRELIMINARY

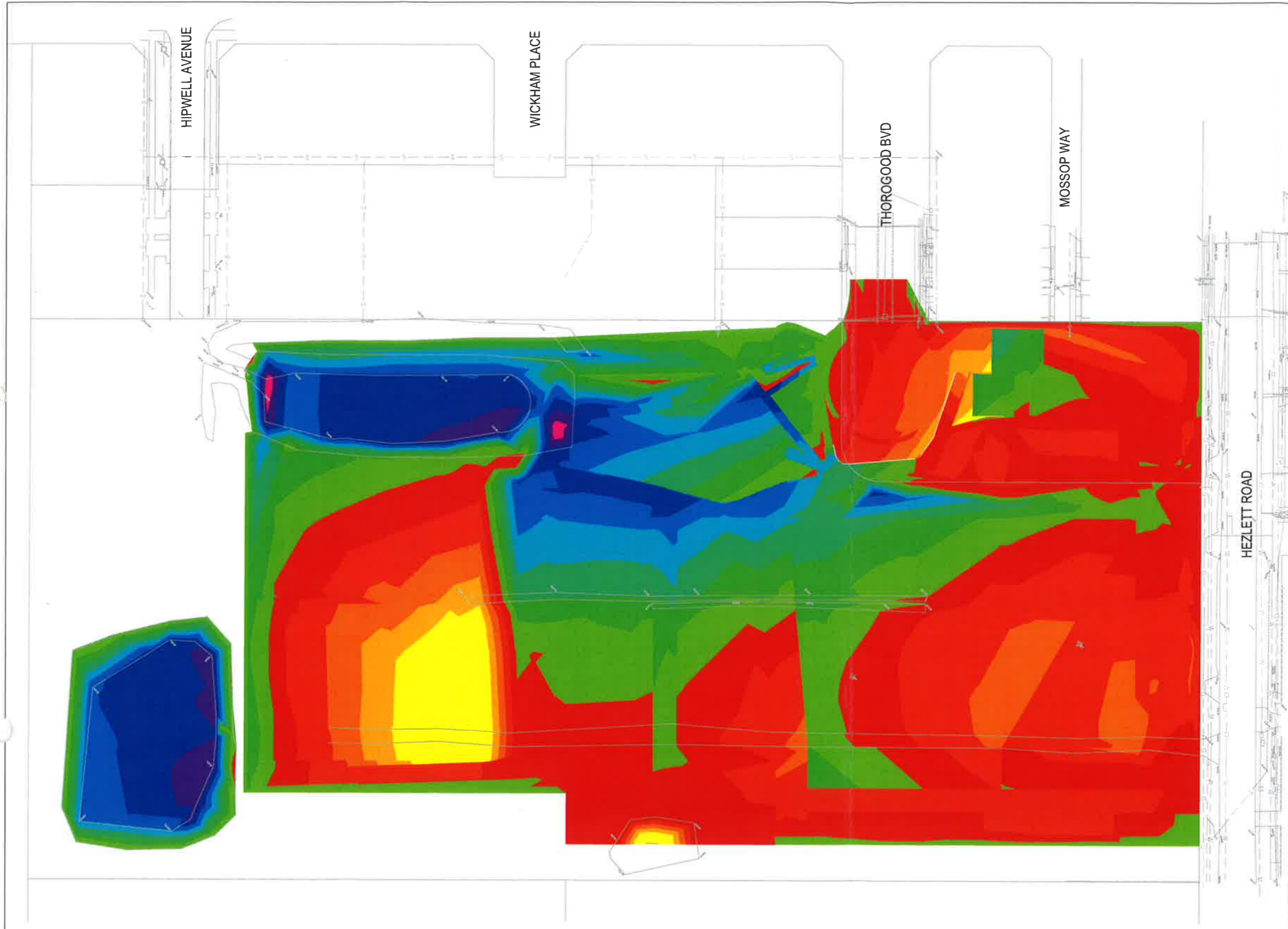
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E		SCHEME DESIGN FOR APPROVAL	MR	PM*	MD*	15.09.17
D		ISSUED FOR SD SUBMISSION	MR	PM*	MD*	05.09.17
C		ISSUED FOR SSD SUBMISSION	MR	CS*	SM*	09.08.17
B		ISSUED FOR TENDER	MR	CS*	SM*	28.06.17



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Drawn	M.RANGWALA	Designer	G.DE SWARDT
Drafting Check	A.MACLEAN*	Design Check	A.RAHMAN*
Approved (Project Director)	Date		
Scale	AS SHOWN		

Client	NSW DEPARTMENT OF EDUCATION
Project	NORTH KELLYVILLE PUBLIC SCHOOL
Title	CIVIL ROAD WORKS DETAILS
Original Size	A1
Drawing No.	21-26108-KN-SD-CI-1025
Rev.	F



Surface Analysis: Elevation Ranges			
Number	Color	Minimum Elevation (m)	Maximum Elevation (m)
1	Yellow	-3.000	-2.500
2	Light Yellow	-2.500	-2.000
3	Orange	-2.000	-1.500
4	Dark Orange	-1.500	-1.000
5	Red	-1.000	-0.500
6	Dark Red	-0.500	0.000
7	Light Green	0.000	0.500
8	Green	0.500	1.000
9	Dark Green	1.000	1.500
10	Light Blue	1.500	2.000
11	Blue	2.000	2.500
12	Dark Blue	2.500	3.000
13	Very Dark Blue	3.000	3.500
14	Pink	3.500	4.000
15	Red	4.000	4.500
16	Dark Red	4.500	5.000

APPROX. EARTHWORKS VOLUMES
 CUT 11362m³ (Includes 2929m³ of 100mm Stripping Layer)
 FILL 18836m³ (Includes 4930m³ to Fill South-western dam)
 NET 7474m³ Fill required

NOTES:

- CUT AND FILL VOLUMES ARE INDICATIVE ONLY WITH FINAL DESIGN LEVELS YET TO BE CONFIRMED
- CUT AND FILL VOLUMES DOES NOT ACCOUNT FOR CLEARING AND GRUBBING VOLUMES
- CUT AND FILL VOLUMES ARE BASED ON AN AERIAL SURVEY
- CUT AND FILL VOLUMES DOES NOT CONSIDER ANY GEOTECHNICAL REQUIREMENTS OF SOIL AT THIS STAGE
- EARTHWORK LEVELS ARE GENERALLY LOWER THAN FINISHED LEVELS TO ALLOW FOR FINISHED SURFACE TREATMENTS. THE DIFFERENCE BETWEEN FINISHED SURFACE LEVELS AND EARTHWORKS LEVELS ARE APPROXIMATELY:
 BUILDING SLAB = 350mm
 CONCRETE FOOTPATH = 175mm
 PAVER TYPE 1 (NON-TRAFFICABLE) = 190mm
 PAVER TYPE 2 (TRAFFICABLE) = 350mm
 COMPACTED TOPPING = 150mm
 ROAD PAVEMENT = 340mm
 SPORTSFIELD TURF = 200mm

NSW GOVERNMENT
 Planning

used under the Environmental Planning and Assessment Act 1979

Approved Application No. **SSD 8344**

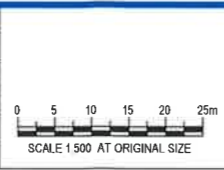
granted on the **16 MAR 2018**

Signed..... *[Signature]*

Sheet No. **42** of **44**

EARTHWORKS PLAN
 SCALE 1:500

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
F	ISSUED FOR SSD SUBMISSION		MR	PM*	MD*	24.11.17
E	SCHEME DESIGN FOR APPROVAL		MR	PM*	MD*	15.09.17
D	ISSUED FOR SD SUBMISSION		MR	PM*	MD*	05.09.17
C	ISSUED FOR SSD SUBMISSION		MR	CS*	SM*	09.08.17
B	ISSUED FOR TENDER		MR	CS*	SM*	28.06.17



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Education

TSA
 MANAGEMENT

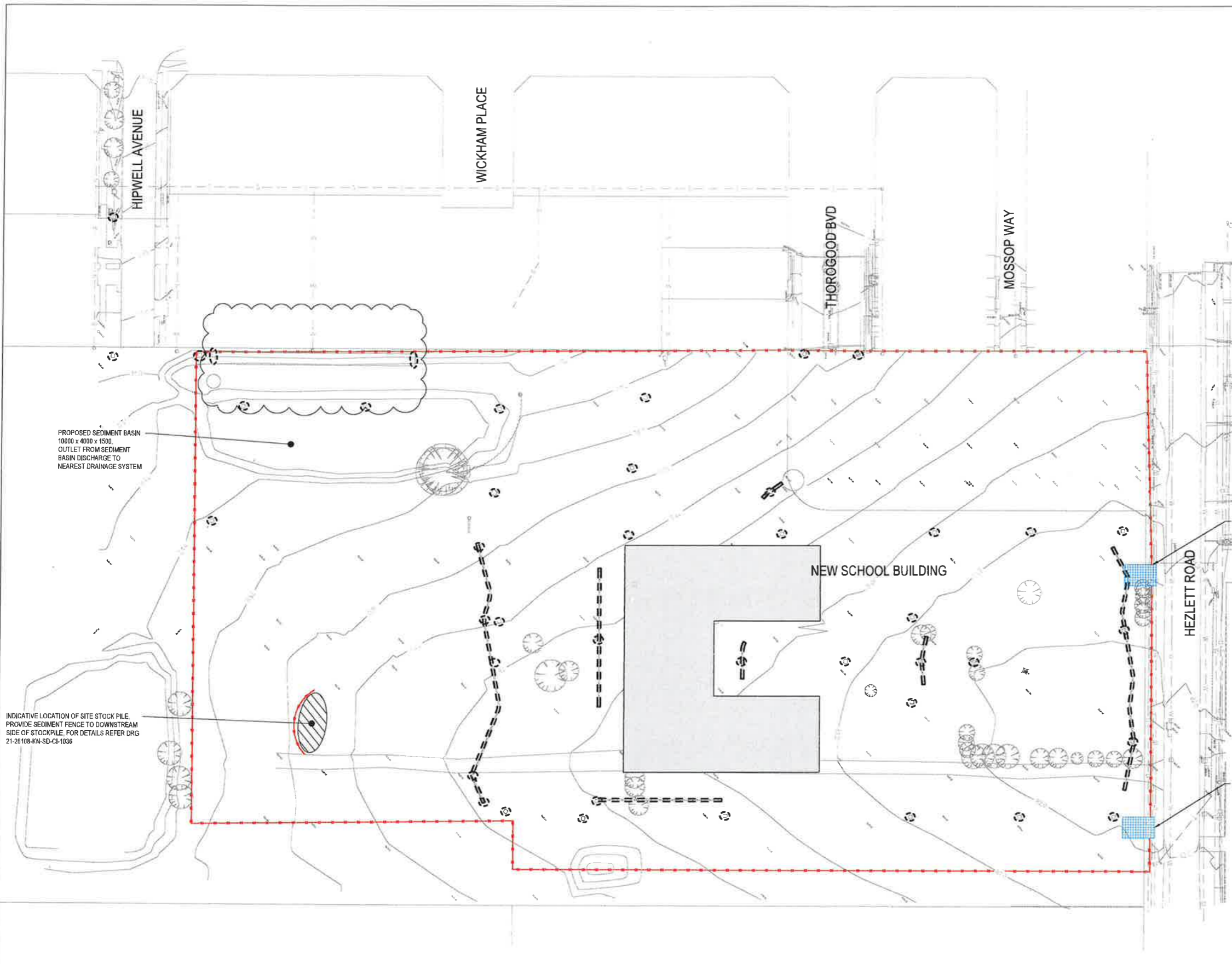
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PRELIMINARY

Client **NSW DEPARTMENT OF EDUCATION**
 Project **NORTH KELLYVILLE PUBLIC SCHOOL**
 Title **CIVIL EARTHWORKS PLAN**
 Original Size **A1**
 Drawing No: **21-26108-KN-SD-CI-1030** Rev: **F**



- LEGEND:**
- PROPOSED SEDIMENT FENCE
 - PROPOSED GEOTEXTILE FILTER
 - STABILIZED SITE ACCESS (TEMP ACCESS)

- NOTES:**
1. ALL WORKS SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH:
 - (A) EPA - POLLUTION CONTROL MANUAL FOR URBAN STORMWATER.
 - (B) DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT MANUAL - "URBAN EROSION & SEDIMENT CONTROL".
 - (C) SOIL AND CONSTRUCTION VOLUME 1, 4TH EDITION, MARCH 2004 - LANDCOM "BLUEBOOK" (D) COUNCIL POLICIES
 2. MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES TO THE SATISFACTION OF THE PRINCIPAL'S REPRESENTATIVE.
 3. MINIMISE THE AREA OF SITE BEING DISTURBED AT ANY ONE TIME.
 4. PROTECT ALL STOCKPILES OF MATERIALS FROM SCOUR AND EROSION. DO NOT STOCKPILE LOOSE MATERIAL IN ROADWAYS, NEAR DRAINAGE PITS OR IN WATERCOURSES.
 5. ALL SOIL AND WATER CONTROL MEASURES ARE TO BE PUT BACK IN PLACE AT THE END OF EACH WORKING DAY, AND MODIFIED TO BEST SUIT SITE CONDITIONS.
 6. CONTROL WATER FROM UPSTREAM OF THE SITE SUCH THAT IT DOES NOT ENTER THE DISTURBED SITE.
 7. ALL CONSTRUCTION VEHICLES SHALL ENTER & EXIT THE SITE VIA THE APPROVED CONSTRUCTION ENTRY/EXIT ROUTE.
 8. ALL VEHICLES LEAVING THE SITE SHALL BE CLEANED & INSPECTED BEFORE LEAVING.
 9. MAINTAIN ALL STORMWATER PIPES CLEAR OF DEBRIS & SEDIMENT. INSPECT STORMWATER SYSTEM & CLEAN OUT AFTER EACH STORM EVENT.
 10. CLEAN OUT ALL EROSION & SEDIMENT CONTROL DEVICES AFTER EACH STORM EVENT.
 11. SEDIMENT AND EROSION CONTROL PLAN IS INDICATIVE ONLY.
 12. ALL NEW STORMWATER PITS TO BE SURROUNDED BY GEOTEXTILE INLET FABRIC DURING CONSTRUCTION.

APPROXIMATE LOCATION OF STABILIZED SITE ACCESS

NSW GOVERNMENT
Planning

under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8344

granted on the 16 MAR 2018

Signed [Signature]

Sheet No. 43 of 44

APPROXIMATE LOCATION OF STABILIZED SITE ACCESS

EROSION AND SEDIMENT CONTROL PLAN
SCALE 1:500

G	ISSUED FOR SSD SUBMISSION	MR	PM*	MD*	02.02.18	
F	ISSUED FOR SSD SUBMISSION	MR	PM*	MD*	24.11.17	
E	SCHEME DESIGN FOR APPROVAL	MR	PM*	MD*	15.09.17	
D	ISSUED FOR SD SUBMISSION	MR	PM*	MD*	05.09.17	
B	ISSUED FOR SSD SUBMISSION	MR	CS*	SM*	09.08.17	
No	Revision	Note: * indicates signature on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

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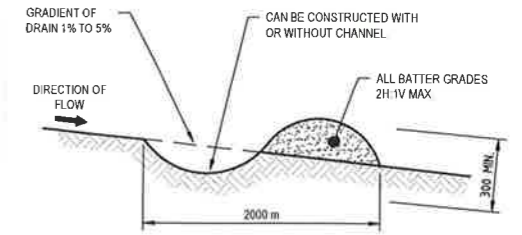
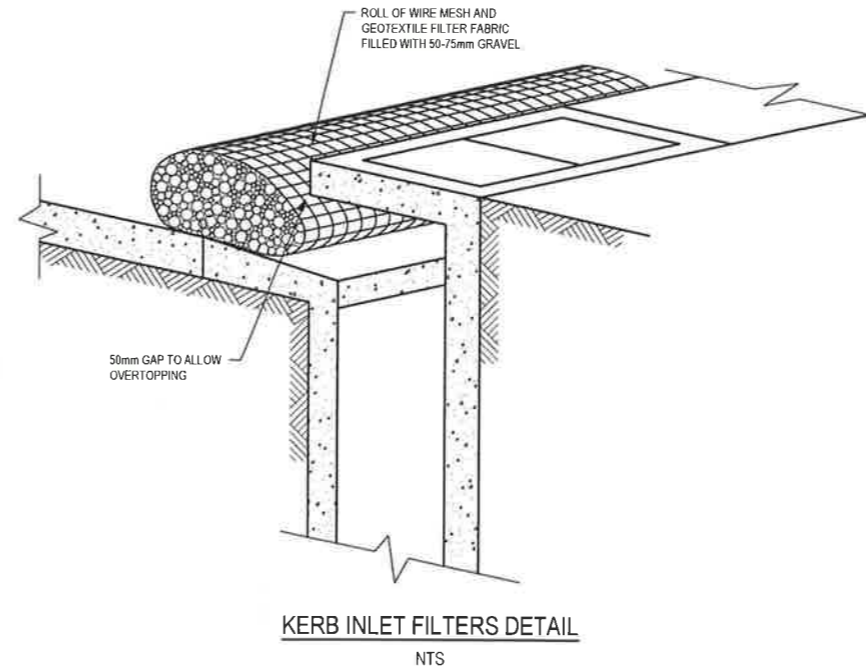
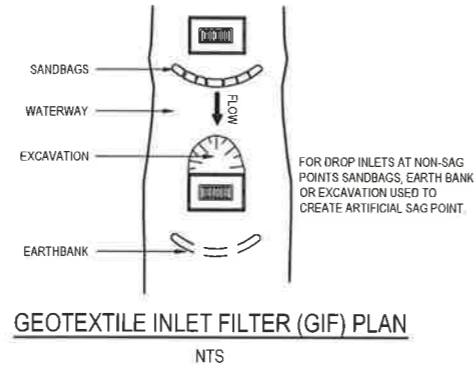
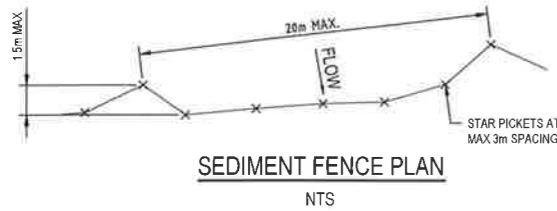
Drawn M.RANGWALA
Designer G.DE SWARDT
Drafting Check A.MACLEAN*
Design Check A.RAHMAN*
Approved (Project Director)
Date
Scale 1:500

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PRELIMINARY

Client NSW DEPARTMENT OF EDUCATION
Project NORTH KELLYVILLE PUBLIC SCHOOL
Title CIVIL EROSION AND SEDIMENT CONTROL PLAN

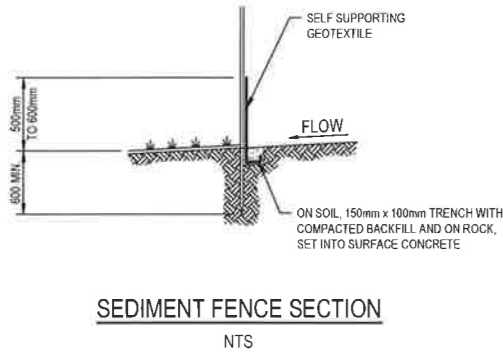
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Drawing No: 21-26108-KN-SD-CI-1035 Rev: F



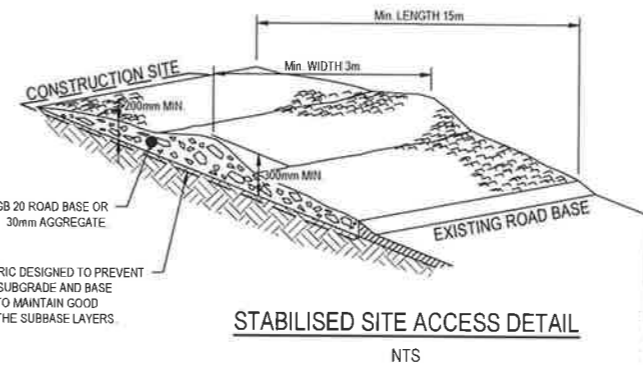
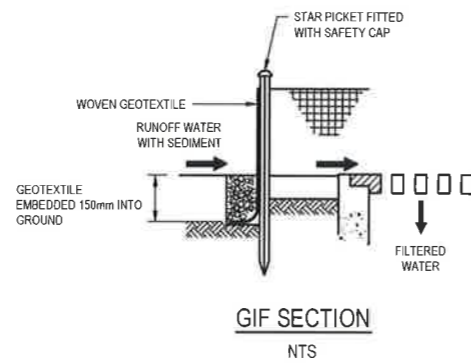
NOTE:
ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.

EARTH BANK (LOW FLOW) CONSTRUCTION SEQUENCE

1. CONSTRUCT WITH GRADIENT OF 1% TO 5%.
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE.
3. DRAINS TO BE OF CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V-SHAPED.
4. EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE.
5. PERMANENT OR TEMPORARY STABILISATION OF THE EARTH BANK TO BE COMPLETED WITHIN 10 DAYS OF CONSTRUCTION.
6. ALL OUTLETS FROM DISTURBED LANDS ARE TO BE FEED INTO A SEDIMENT BASIN OR SIMILAR.
7. DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL SITE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED.
8. COMPACTED BANK WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN FIVE DAYS.
9. EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDE NORMAL FLOW.

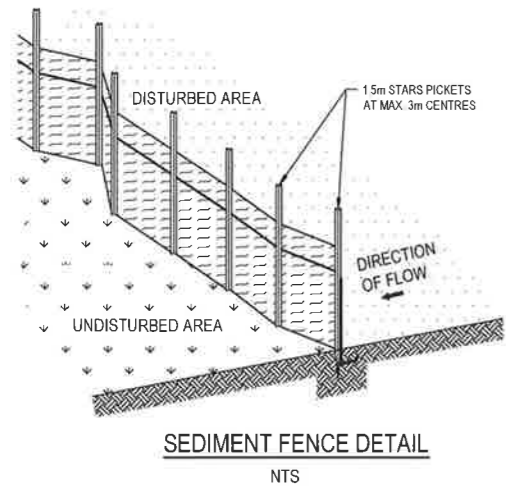


- GIF CONSTRUCTION NOTES**
1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES
 2. SUPPORT GEOTEXTILE WITH MESH TIED TO POST AT 1m CENTRES
 3. DO NOT COVER INLET WITH GEOTEXTILE
 4. CONSTRUCTION DETAILS ARE SIMILAR TO STANDARD DRAWING 6-6 AND STANDARD DRAWING 6-7 IN BLUEBOOK (REFER DRG CI-1035 NOTE 1)



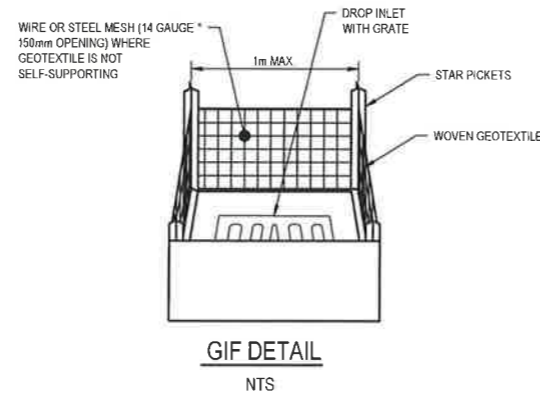
STABILISED SITE ACCESS CONSTRUCTION NOTES

1. STRIP TOPSOIL AND LEVEL SITE.
2. COMPACT SUBGRADE.
3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
4. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE. MINIMUM LENGTH 15m OR TO BUILDING ALIGNMENT. MINIMUM WIDTH 3m.
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP.



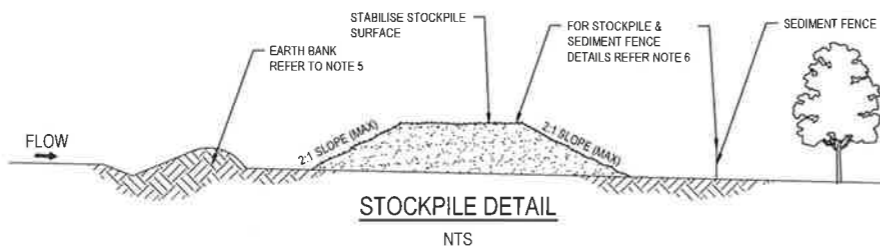
SEDIMENT FENCE CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
2. DRIVE 1.5m LONG STAR PICKETS INTO GROUND, 3m APART.
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC.
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POST WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.



STOCKPILE CONSTRUCTION NOTES

1. LOCATE STOCKPILE AT LEAST 5m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS A LOW, FAT, ELONGATED MOUND.
3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. REHABILITATE IN ACCORDANCE WITH THE CONSTRUCTION ENVIRONMENT MANAGEMENT PLAN. CONSTRUCT EARTH BANK (STANDARD DRAWING 5-5) IN BLUEBOOK (REFER DRG CI-1035 NOTE 1) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND.
5. HE STOCKPILE AND A SEDIMENT FENCE (STANDARD DRAWING 6-8) IN BLUEBOOK (REFER DRG CI-1035 NOTE 1).
6. 1-2m DOWNSLOPE OF STOCKPILE.



NSW GOVERNMENT
Planning

Under the Environmental Planning and Assessment Act 1979

Approved Application No. **SSD 8344**

granted on the **16 MAR 2018**

Signed *[Signature]*

Sheet No. **44** of **44**

PRELIMINARY

E	ISSUED FOR SSD SUBMISSION	MR	PM*	MD*	24.11.17		
D	SCHEME DESIGN FOR APPROVAL	MR	PM*	MD*	15.09.17		
C	ISSUED FOR SD SUBMISSION	MR	PM*	MD*	05.09.17		
B	ISSUED FOR SSD SUBMISSION	MR	CS*	SM*	09.08.17		
A	40% SCHEME/TENDER ISSUE	MR	CS*	SM*	16/06/17		
No	Revision	Note:	* indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



DO NOT SCALE	Drawn M.RANGWALA	Designer G.DE SWARDT	Client THE DEPARTMENT OF EDUCATION
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	Approved (Project Director) Dale		Title CIVIL SEDIMENT CONTROL DEVICES
Scale AS SHOWN	This Drawing must not be used for construction unless signed as Approved		Original Size A1 Drawing No: 21-26108-KN-SD-CI-1036 Rev: E