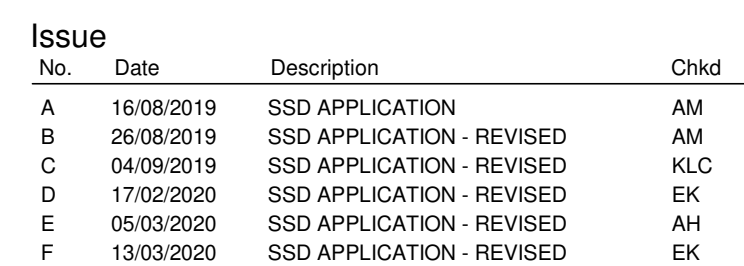
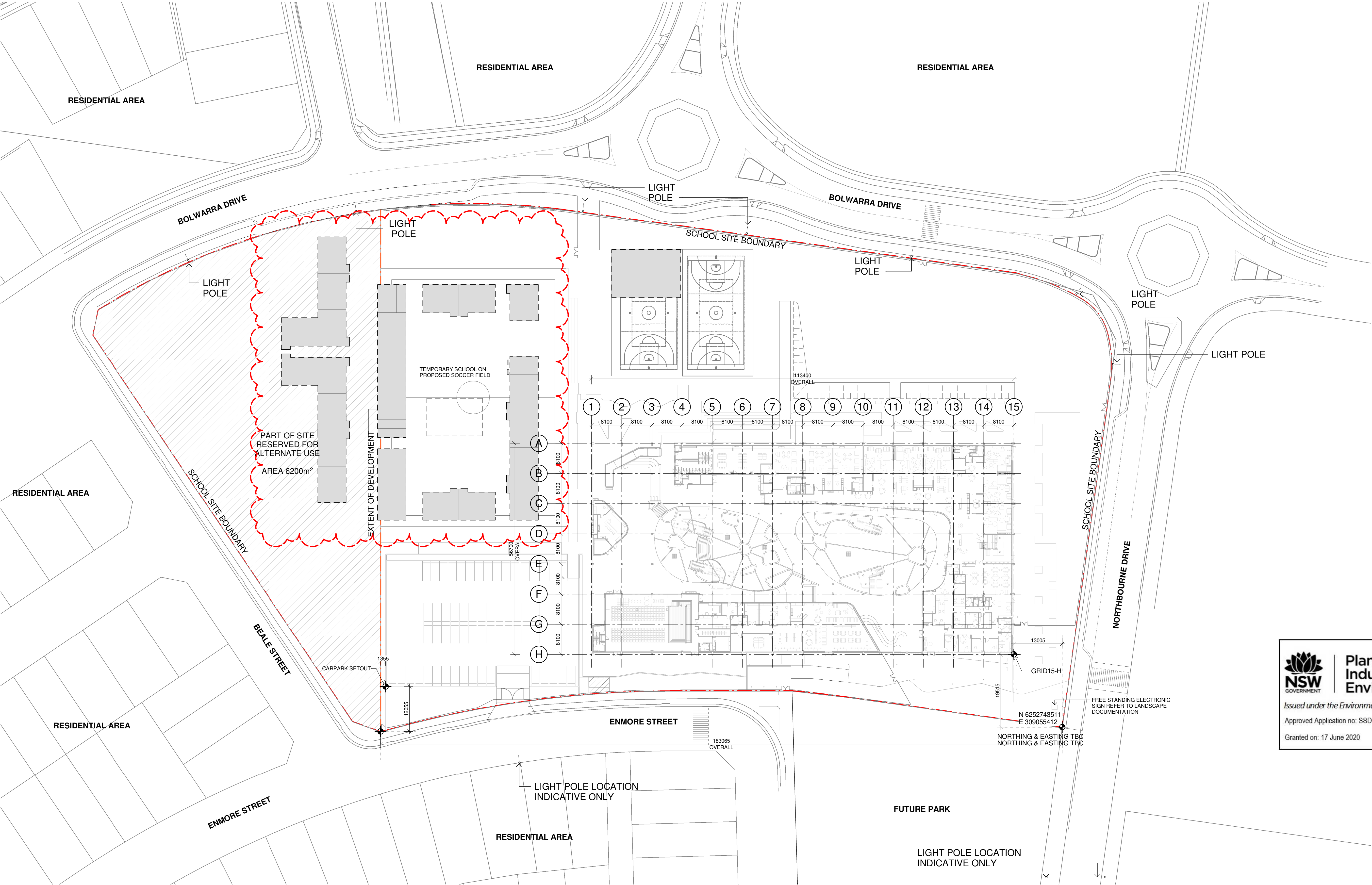


- NOTE: RL'S NOTED ARE APPROXIMATE



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Drawing Reference		Revision
19154-NBRS-A-012		F





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Granted on: 17 June 2020 Sheet no: 2 of 35

1 BUILDING SETOUT PLAN
1 : 500

Issue No.	Date	Description	Chkd
A	16/08/2019	SSD APPLICATION	AM
B	26/08/2019	SSD APPLICATION - REVISED	AM
C	04/09/2019	SSD APPLICATION - REVISED	KLC
D	17/02/2020	SSD APPLICATION - REVISED	EK
E	05/03/2020	SSD APPLICATION - REVISED	AH
F	13/03/2020	SSD APPLICATION - REVISED	EK
G	15/05/2020	LAYOUT REVISED, ASPHALT WALKWAY BETWEEN HOMEBASES ADDED	AH

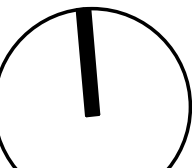
Drawing Title
SITE PLAN - BUILDING SETOUT

Project
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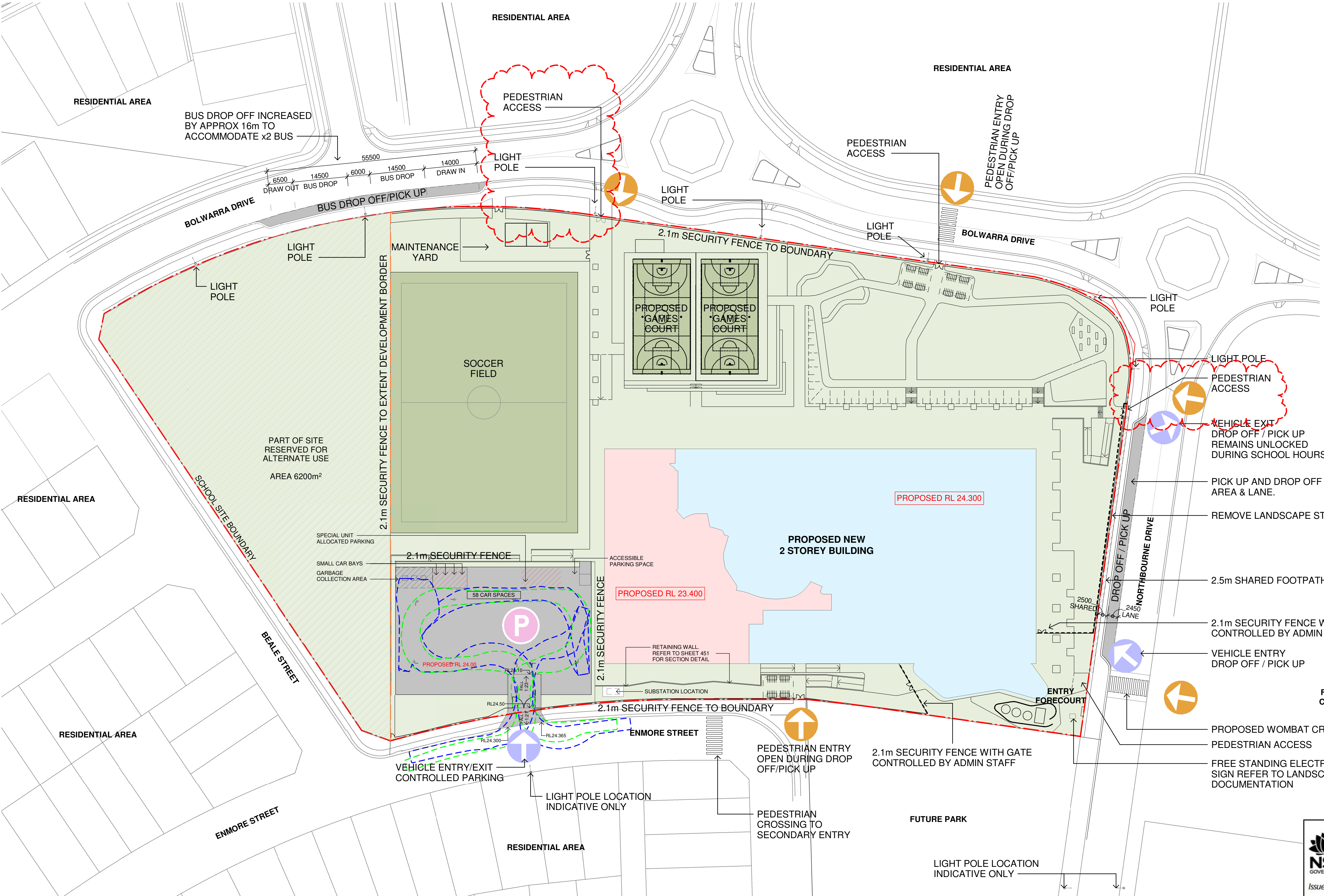
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Drawing Reference
19154-NBRS-A-050

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Scale 1:500 @ A1 or 1:1000 @ A3

Revision
G



- LEGEND**
- PROPOSED BUILDING
 - PROPOSED CARPARKING
 - POTENTIAL FUTURE ROADS
 - GRASSED / LANDSCAPED AREA
 - GAMES COURT AND SOCCER FIELD
 - BOUNDARY LINE
 - ZONE OF WORKS
 - DIRECTION OF FALL
 - TRAFFIC NOISE
 - PROPOSED PARKING
 - POINT OF VEHICLE ACCESS
 - POINT OF PEDESTRIAN ACCESS

NOTE: RL'S NOTED ARE APPROXIMATE

1 SITE PLAN - ACCESS DIAGRAM
1 : 500

Issue No.	Date	Description	Chkd
A	16/08/2019	SSD APPLICATION	AM
B	26/08/2019	SSD APPLICATION - REVISED	AM
C	04/09/2019	SSD APPLICATION - REVISED	KLC
D	17/02/2020	SSD APPLICATION - REVISED	EK
E	05/03/2020	SSD APPLICATION - REVISED	AH
F	13/03/2020	SSD APPLICATION - REVISED	EK
G	18/03/2020	SSD APPLICATION - REVISED	AH
H	25/03/2020	SSD APPLICATION - REVISED	EK
I	08/05/2020	PEDESTRIAN GATES AMENDED	AH

- RL 23.400
- RL 24.300
- EMERGENCY VEHICLE SWEEP PATH
- 11m GARBAGE TRUCK SWEEP PATH

Drawing Title
SITE PLAN - ACCESS DIAGRAM

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Drawing Reference
19154-NBRSEARCHITECTURE-A-051
Revision
I

LEGEND

-  = PROPOSED PARKING
-  = POINT OF VEHICLE ACCESS
-  = POINT OF PEDESTRIAN ACCESS
-  = BOUNDARY LINE

Room Schedule			
Name	Number	Department	Area
ADMIN		Admin	146 m ²
STAFF UNIT		Admin	220 m ²
CIRCULATION	18	Circulation	487 m ²
Room	20	Circulation	16 m ²
Room	24	Circulation	Not Placed
			503 m ²
COMMUNAL HALL UNIT		Hall	277 m ²
			277 m ²
SUPPORT UNIT		Learning	74 m ²
TYPICAL HOMEBASE 1	1	Learning	76 m ²
TYPICAL HOMEBASE 2	2	Learning	76 m ²
TYPICAL HOMEBASE 3	3	Learning	76 m ²
TYPICAL HOMEBASE 4	4	Learning	76 m ²
TYPICAL HOMEBASE 5	5	Learning	76 m ²
TYPICAL HOMEBASE 6	6	Learning	76 m ²
TYPICAL HOMEBASE 7	7	Learning	76 m ²
TYPICAL HOMEBASE 8	8	Learning	76 m ²
TYPICAL HOMEBASE 9	9	Learning	76 m ²
TYPICAL HOMEBASE 10	10	Learning	76 m ²
TYPICAL HOMEBASE 11	11	Learning	76 m ²
TYPICAL HOMEBASE 12	12	Learning	76 m ²
TYPICAL HOMEBASE 13	13	Learning	76 m ²
TYPICAL HOMEBASE 14	14	Learning	76 m ²
TYPICAL HOMEBASE 15	15	Learning	76 m ²
TYPICAL HOMEBASE 16	16	Learning	76 m ²
TYPICAL HOMEBASE 17	17	Learning	76 m ²
			1373 m ²
LIBRARY		Library	Not Placed
LIBRARY	19	Library	144 m ²
CENTRAL PLAY AREA		Outdoor Play Area	Not Enclosed
SUPPORT OUTDOOR SPACE		Outdoor Play Area	83 m ²
SOUTH WEST PLAY AREA		Outdoor Play Area	Not Placed
SPORTS FIELD AND PLAY AREA		Outdoor Play Area	Not Enclosed
			83 m ²
SERVERY AREA		Services	19 m ²
CANTEEN		Services	38 m ²
			57 m ²
BOYS WC		Toilets	19 m ²
GIRLS WC		Toilets	20 m ²
BOYS WC		Toilets	Not Placed
GIRLS WC		Toilets	Not Placed
ACC. WC		Toilets	Not Placed
BOYS WC	21	Toilets	19 m ²
GIRLS WC	22	Toilets	19 m ²
ACC WC	23	Toilets	19 m ²
			94 m ²



1 SITE PLAN - TEMPORARY SCHOOL LAYOUT
1 : 500

Issue No.	Date	Description	Chkd
C	04/09/2019	SSD APPLICATION - REVISED	KLC
D	17/02/2020	SSD APPLICATION - REVISED	EK
E	13/03/2020	SSD APPLICATION - REVISED	EK
F	07/05/2020	CLEARANCE BETWEEN BUILDINGS REDUCED, SECURITY GATE TO TEMPORARY PATH ADDED, HOME BASE 4-7 MOVED TO THE SOUTH LAYOUT REVISED, ASPHALT WALKWAY BETWEEN HOMEBASES ADDED	AH
G	15/05/2020		AH

- Admin
- Circulation
- Hall
- Learning
- Library
- Outdoor Play Area
- Services
- Toilets

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Granted on: 17 June 2020 Sheet no: 4 of 35

Drawing Title
SITE PLAN - TEMPORARY SCHOOL LAYOUT

Project
NEW MARSDEN PARK PUBLIC SCHOOL
at
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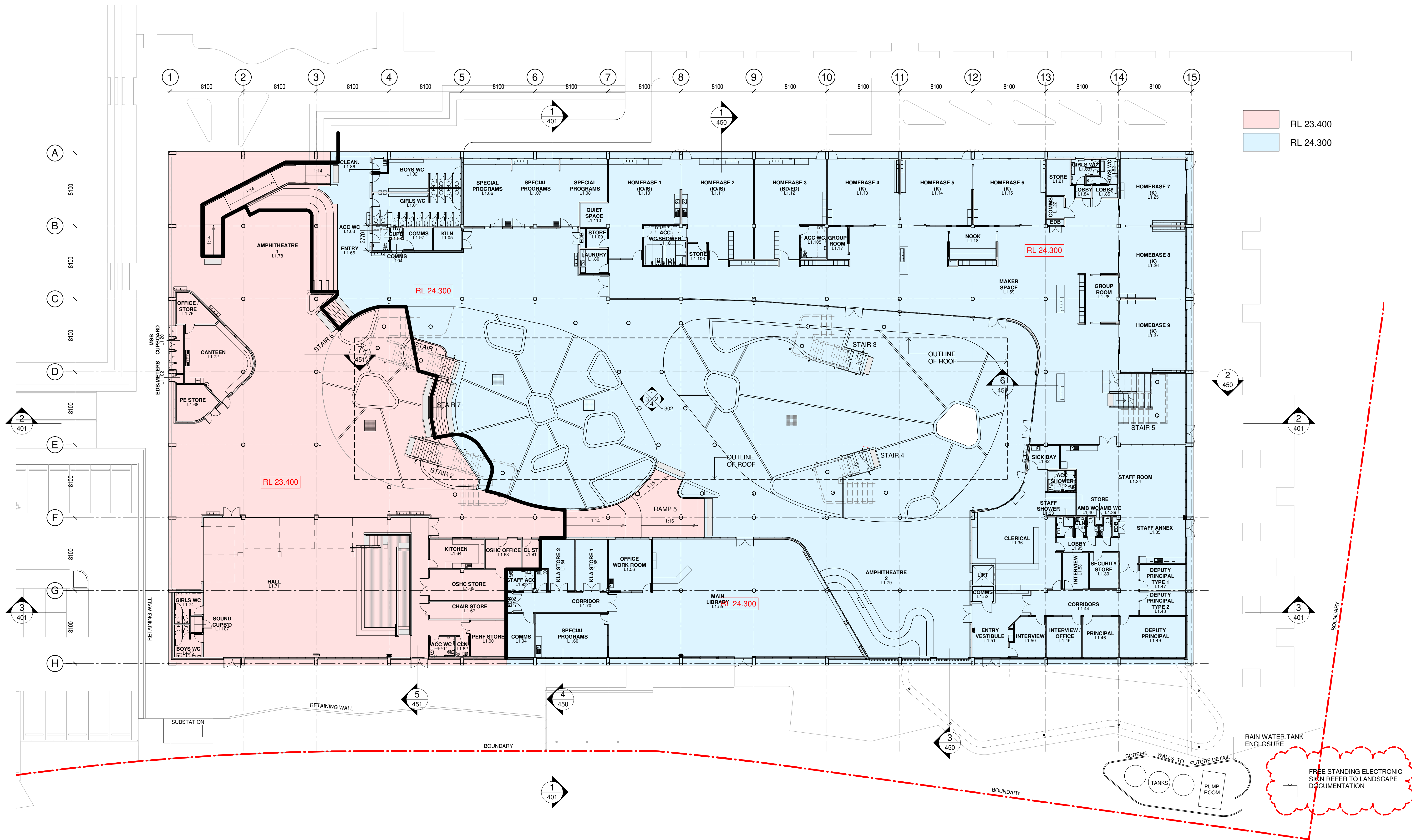
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Drawing Reference
19154-NBRSEARCHITECTURE-A-052

Revision
G



1 LEVEL 1 - FULL PLAN
1 : 200

Issue No.	Date	Description	Chkd
A	16/08/2019	SSD APPLICATION	AM
B	17/02/2020	SSD APPLICATION - REVISED	EK
C	05/03/2020	SSD APPLICATION - REVISED	AH

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Granted on: 17 June 2020 Sheet no: 5 of 35

Drawing Title
LEVEL 1 - FULL PLAN

Project
NEW MARSDEN PARK PUBLIC SCHOOL
at
Marsden Park NSW 2765

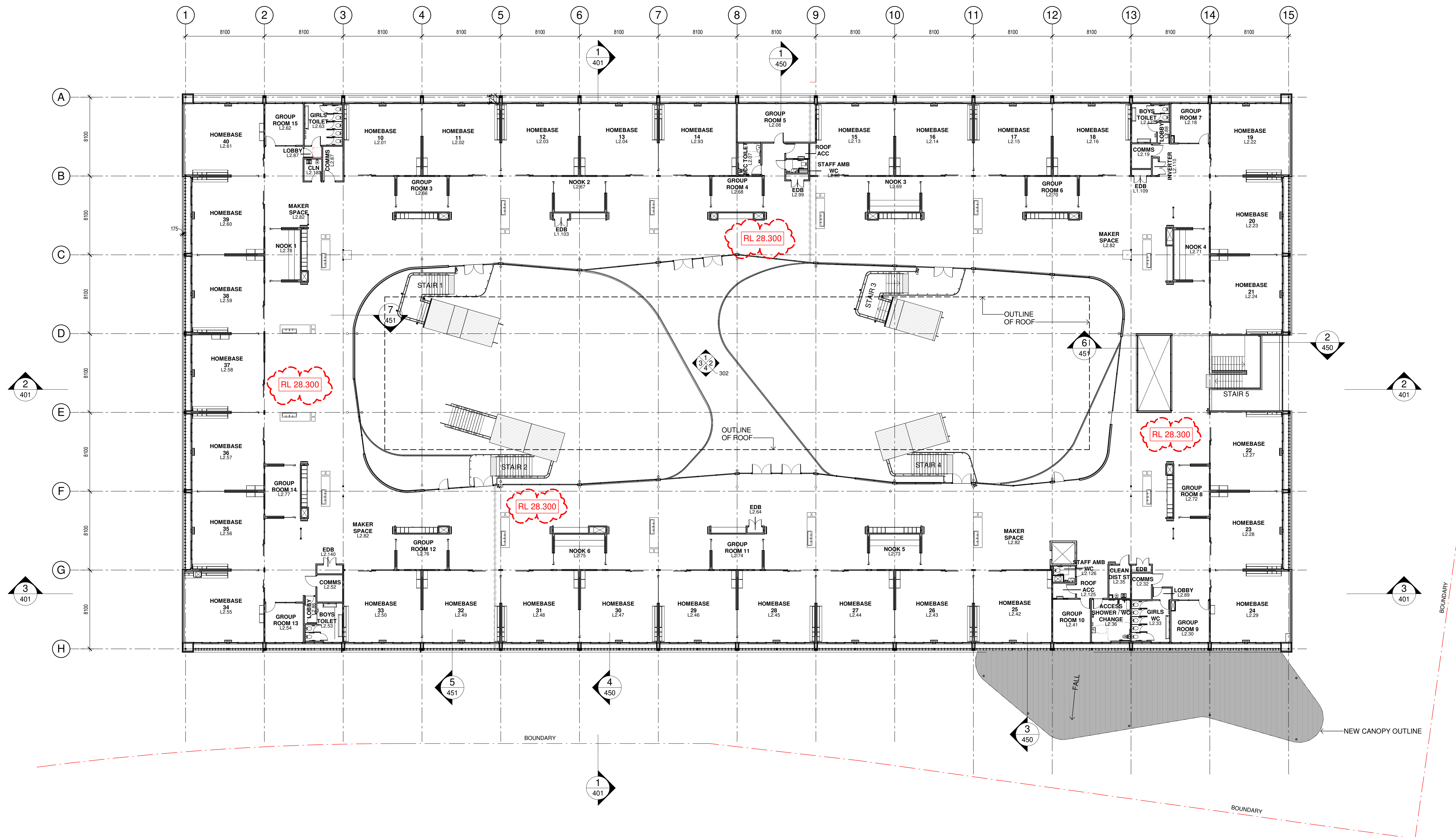
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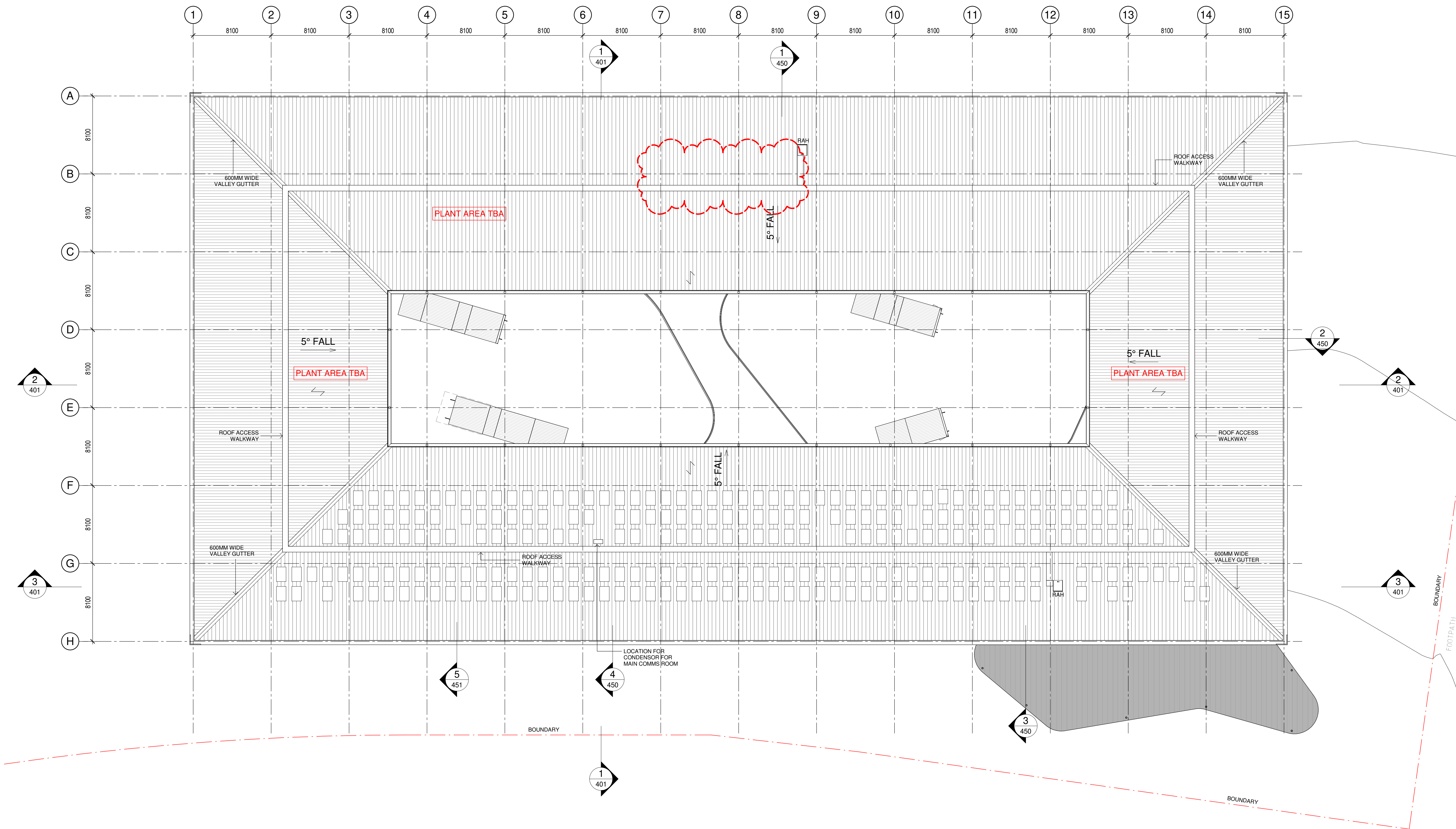
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Drawing Reference
19154-NBRS-A-100

Revision
C



1 LEVEL 2 - FULL PLAN
1 : 200



1 ROOF PLAN
1 : 200

Issue No.	Date	Description	Chkd
A	16/08/2019	SSD APPLICATION	AM
B	17/02/2020	SSD APPLICATION - REVISED	EK



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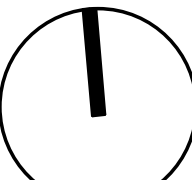
Drawing Title
ROOF PLAN

Project
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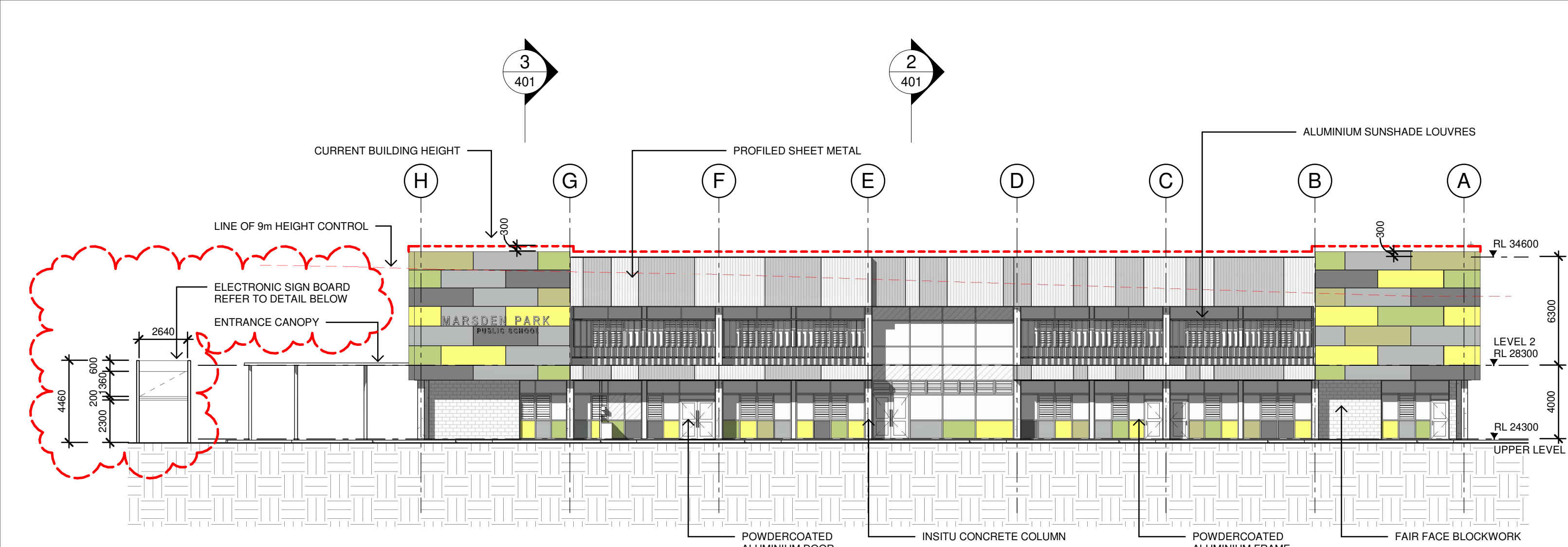
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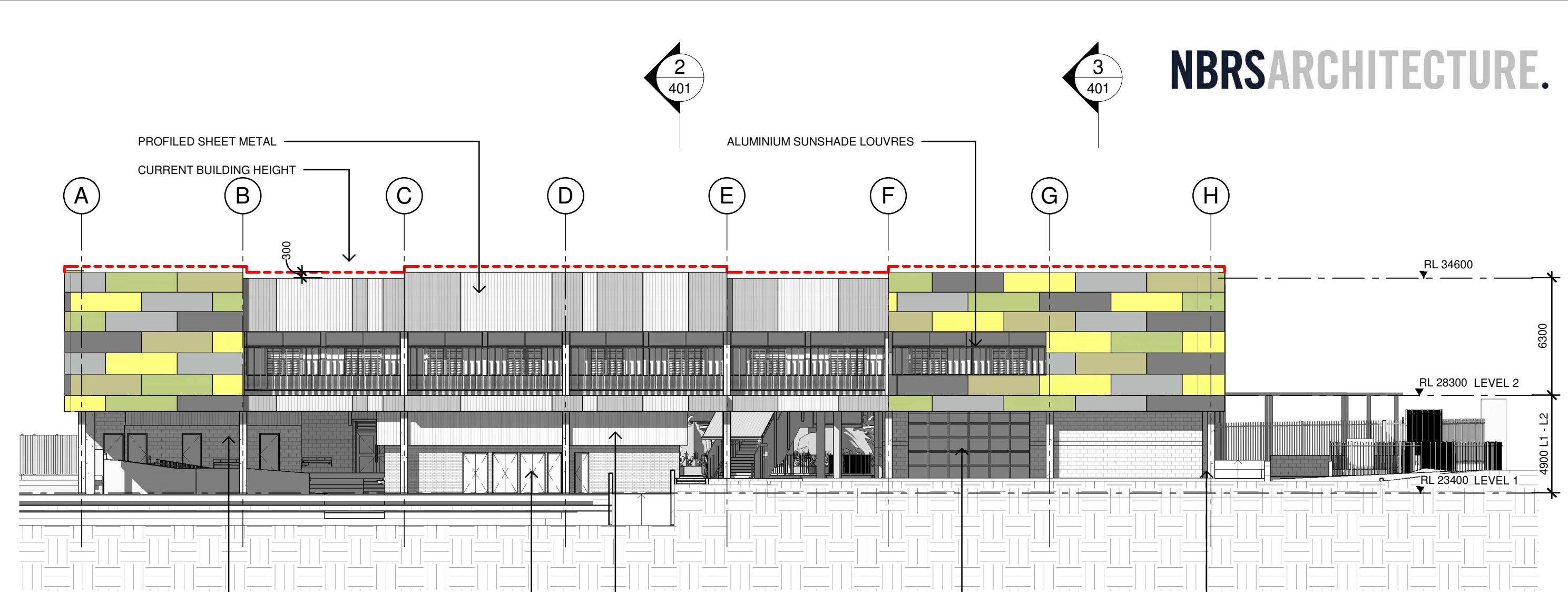
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Drawing Reference
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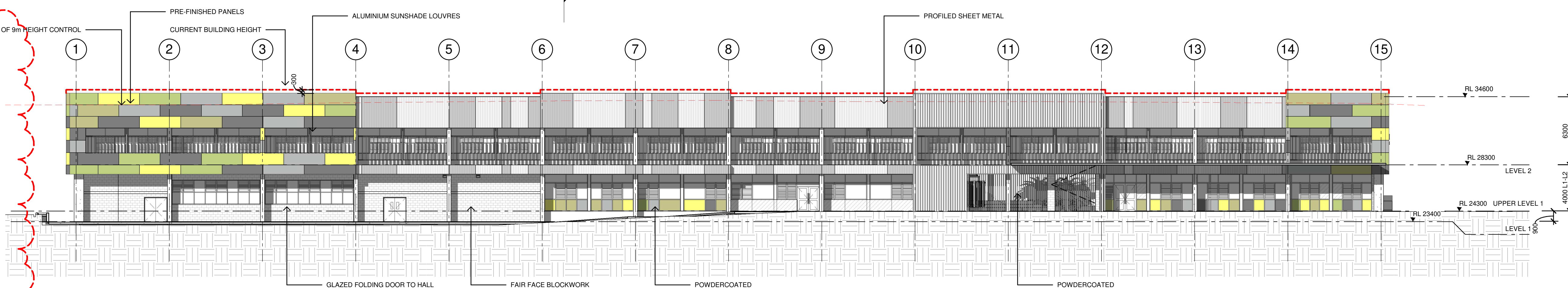
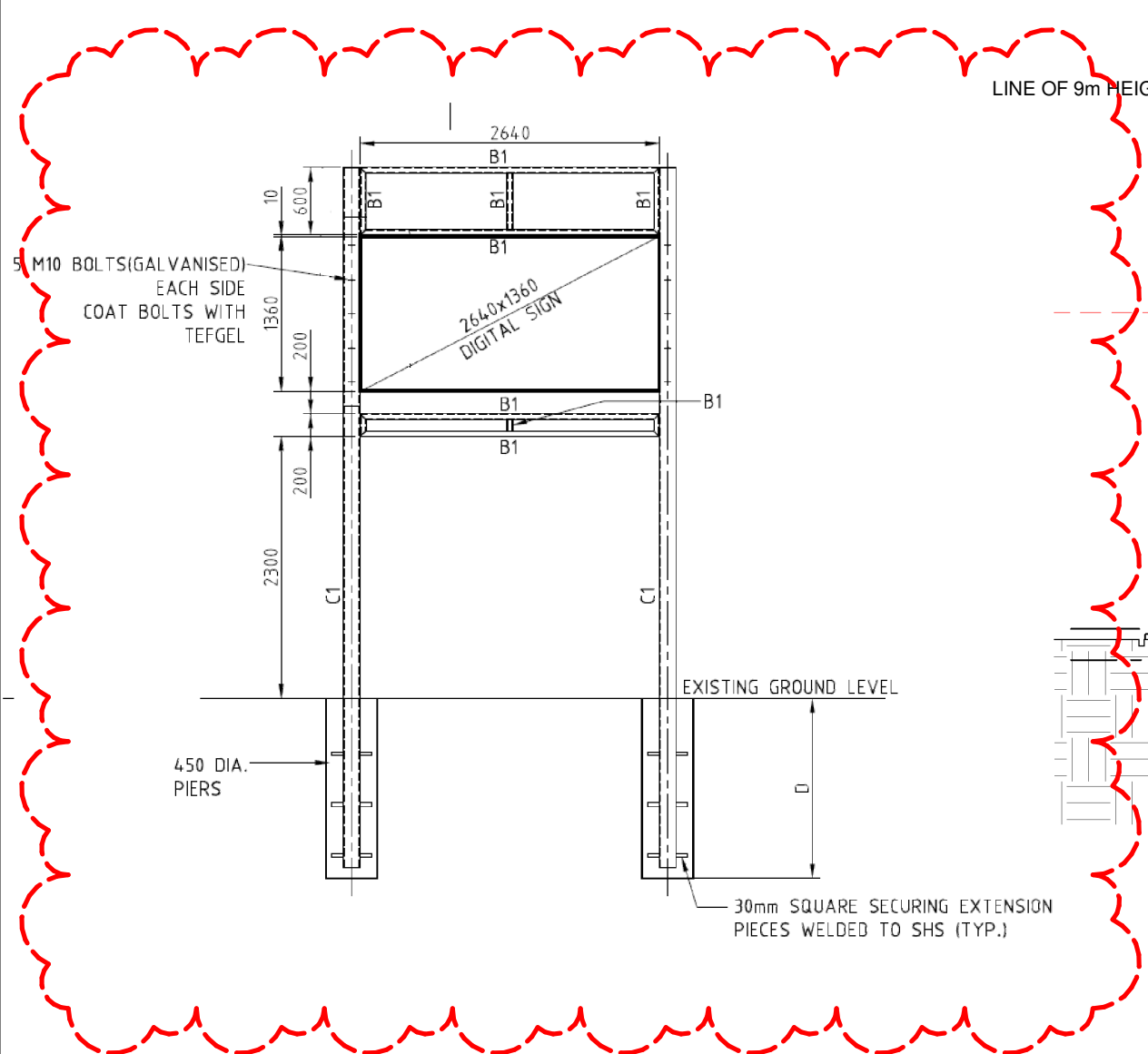
Revision
B



1 EAST ELEVATION
1 : 200



2 WEST ELEVATION
1 : 200



3 SOUTH ELEVATION
1 : 200



4 NORTH ELEVATION
1 : 200

Issue No.	Date	Description	Chkd
A	16/08/2019	SSD APPLICATION	AM
B	17/02/2020	SSD APPLICATION - REVISED	EK
C	05/03/2020	SSD APPLICATION - REVISED	AH
D	20/03/2020	SSD APPLICATION - REVISED	AH

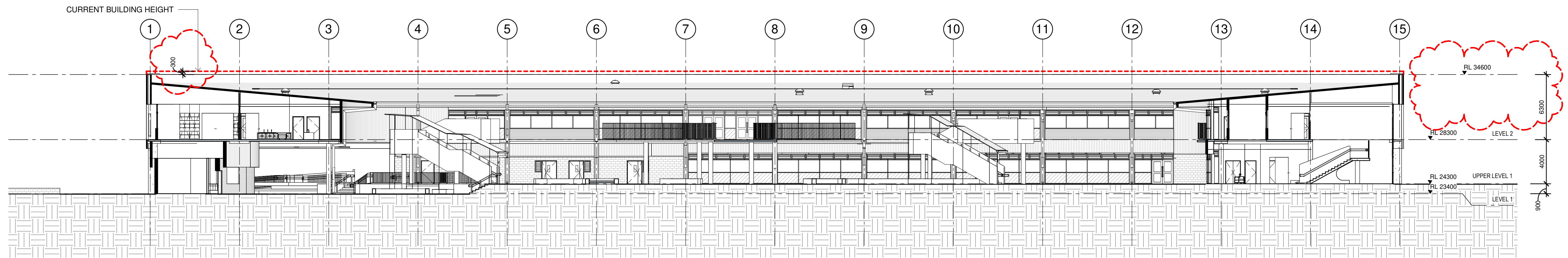
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Drawing Title
BUILDING ELEVATIONS

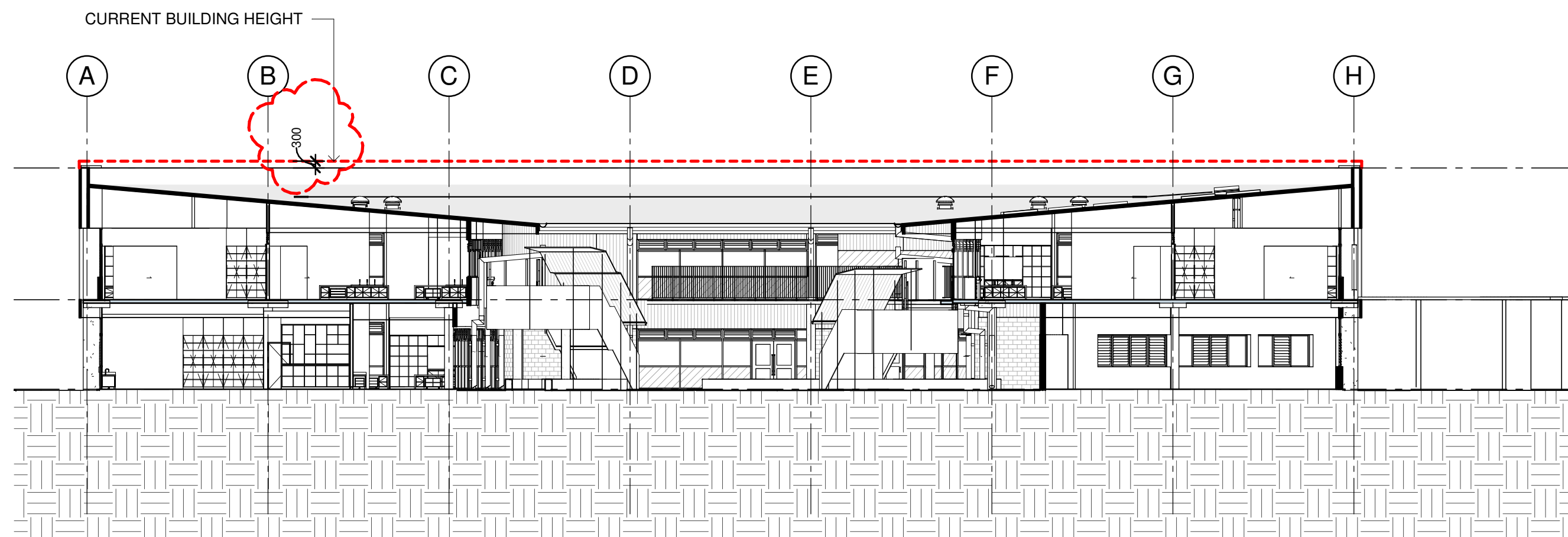
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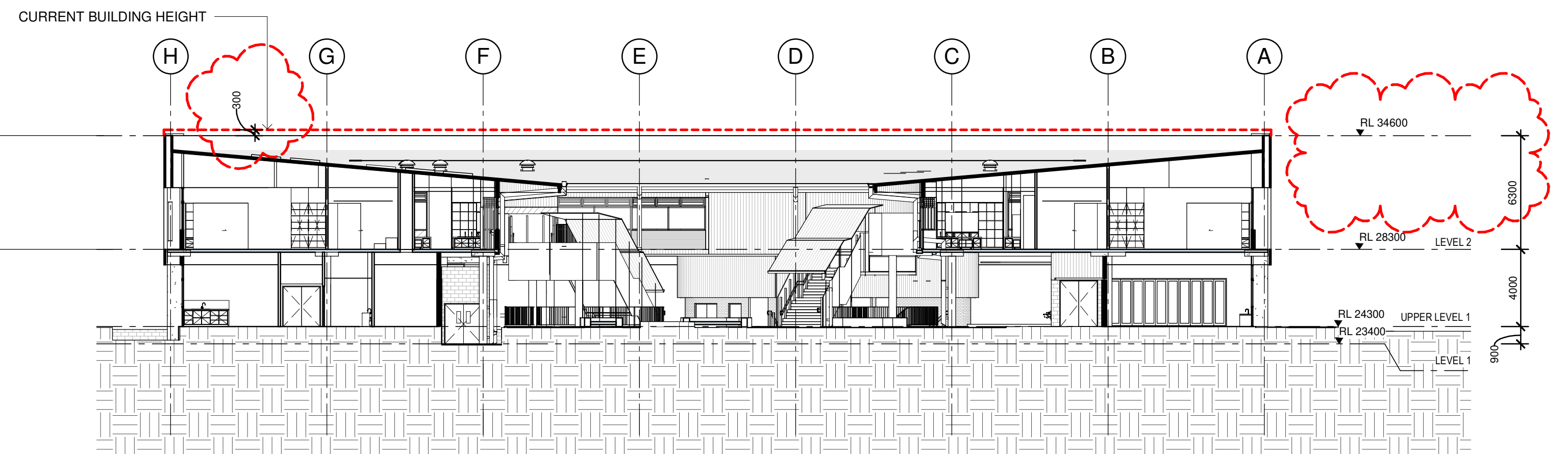
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Drawing Reference 19154-NBRS-A-301
Revision D



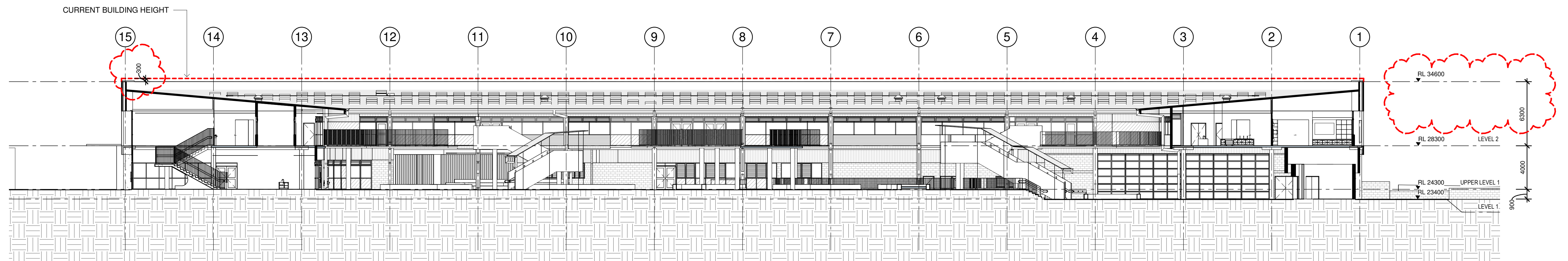
1 COURTYARD ELEVATION - NORTH
1 : 200



2 COURTYARD ELEVATION - EAST
1 : 200



3 COURTYARD ELEVATION - WEST
1 : 200



4 COURTYARD ELEVATION - SOUTH
1 : 200

Issue No.	Date	Description	Chkd
A	16/08/2019	SSD APPLICATION	AM
B	17/02/2020	SSD APPLICATION - REVISED	EK
C	04/03/2020	SSD APPLICATION - REVISED	AH


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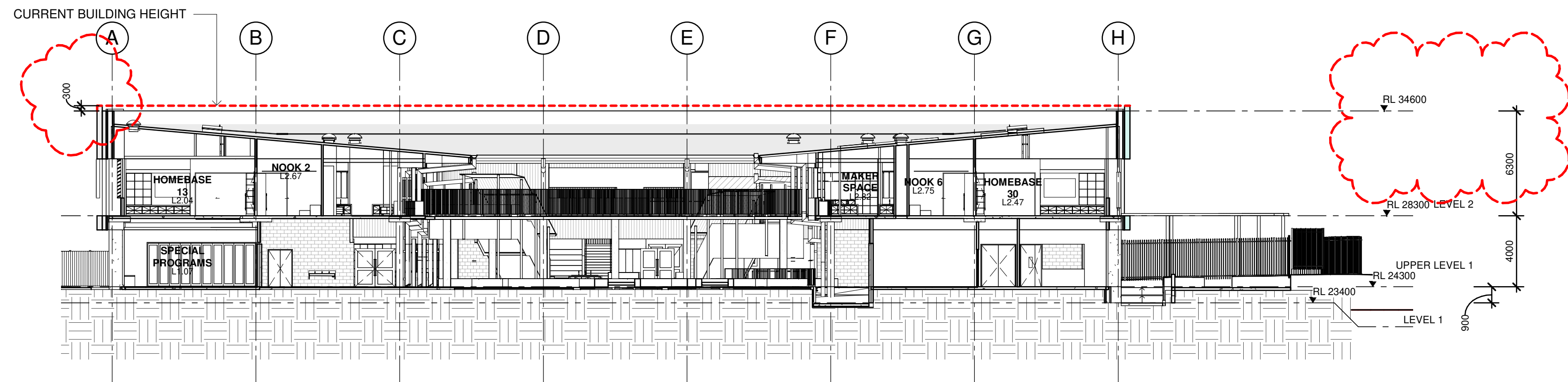
Drawing Title
COURTYARD ELEVATIONS

Project
 NEW MARSDEN PARK PUBLIC SCHOOL
 at
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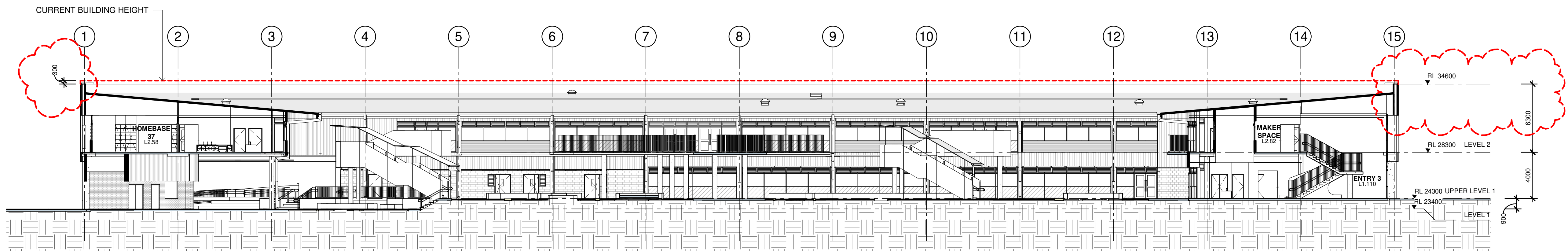
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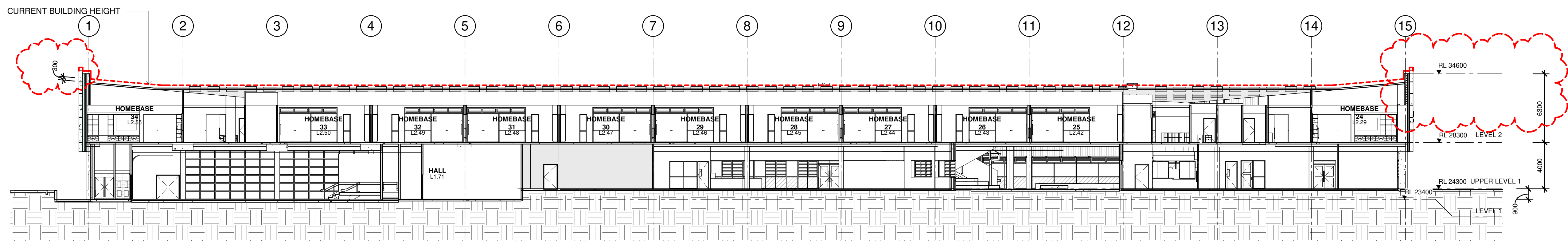
Drawing Reference
 19154-NBRS-A-302
 Revision
 C



1 SECTION 01
1 : 200



2 SECTION 02
1 : 200



3 SECTION 03
1 : 200

Issue No.	Date	Description	Chkd
A	16/08/2019	SSD APPLICATION	AM
B	17/02/2020	SSD APPLICATION - REVISED	EK
C	04/03/2020	SSD APPLICATION - REVISED	AH



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Drawing Title
BUILDING SECTIONS

Project
NEW MARSDEN PARK PUBLIC
SCHOOL
at
Marsden Park NSW 2765

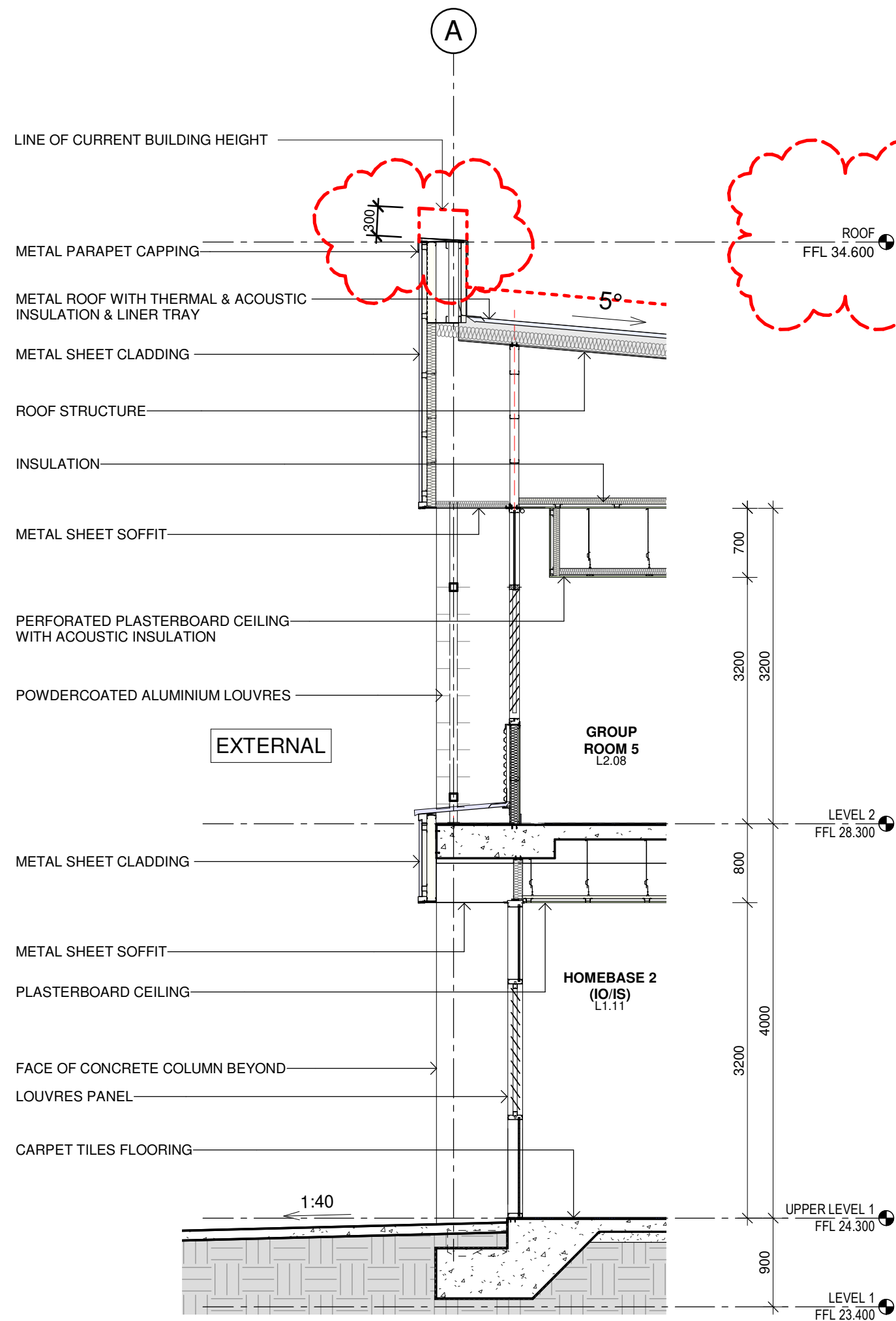
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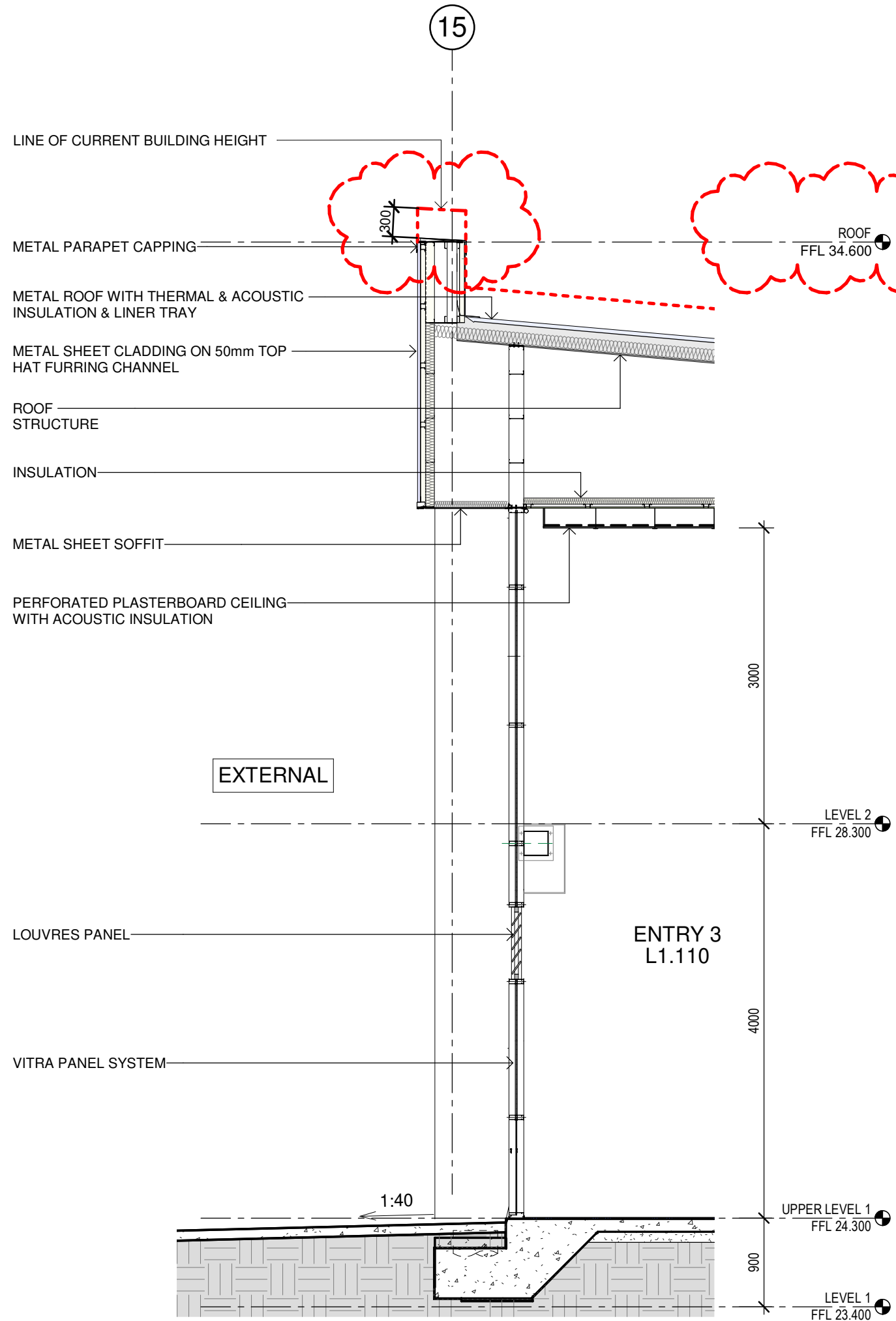
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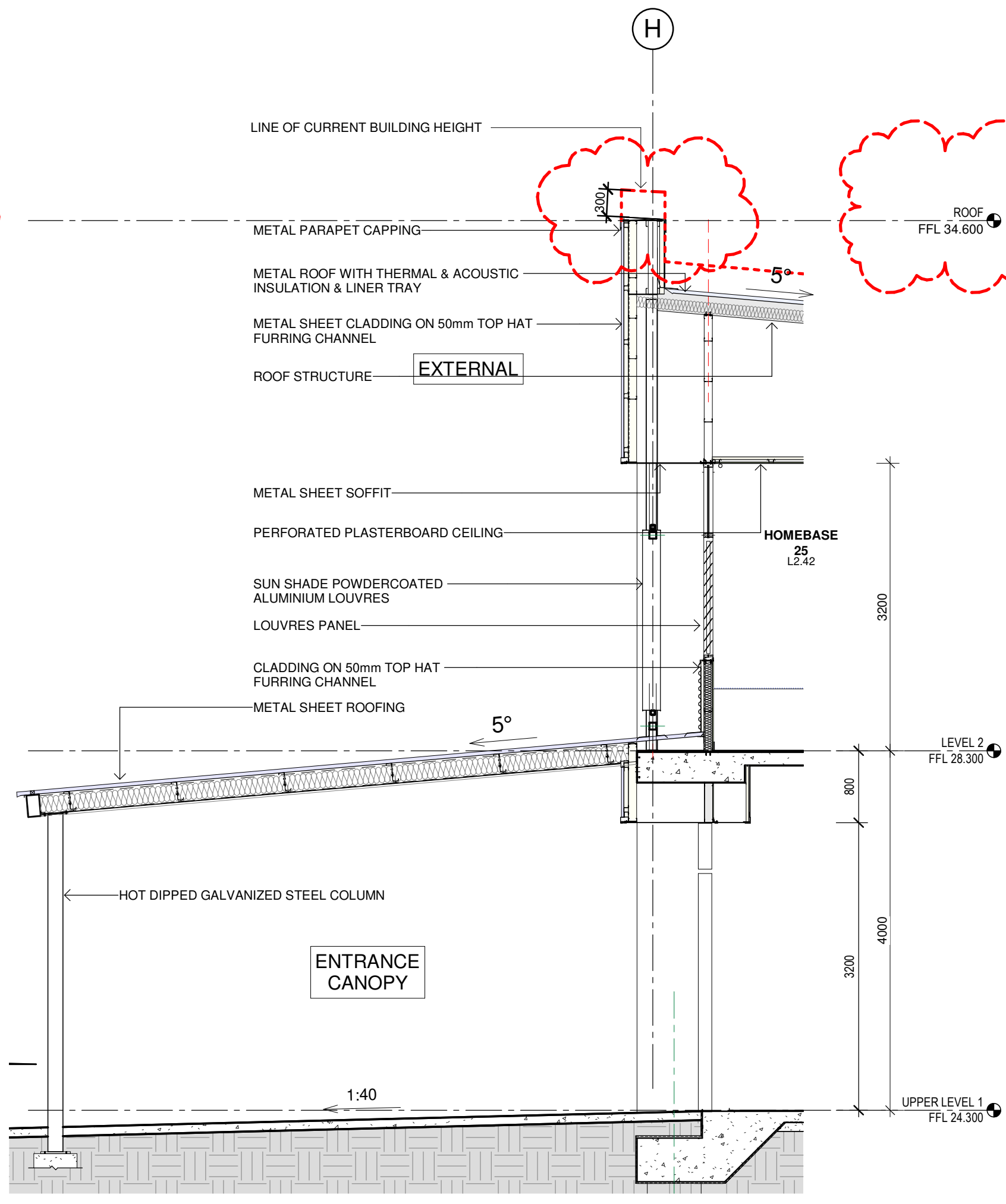
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Revision
C



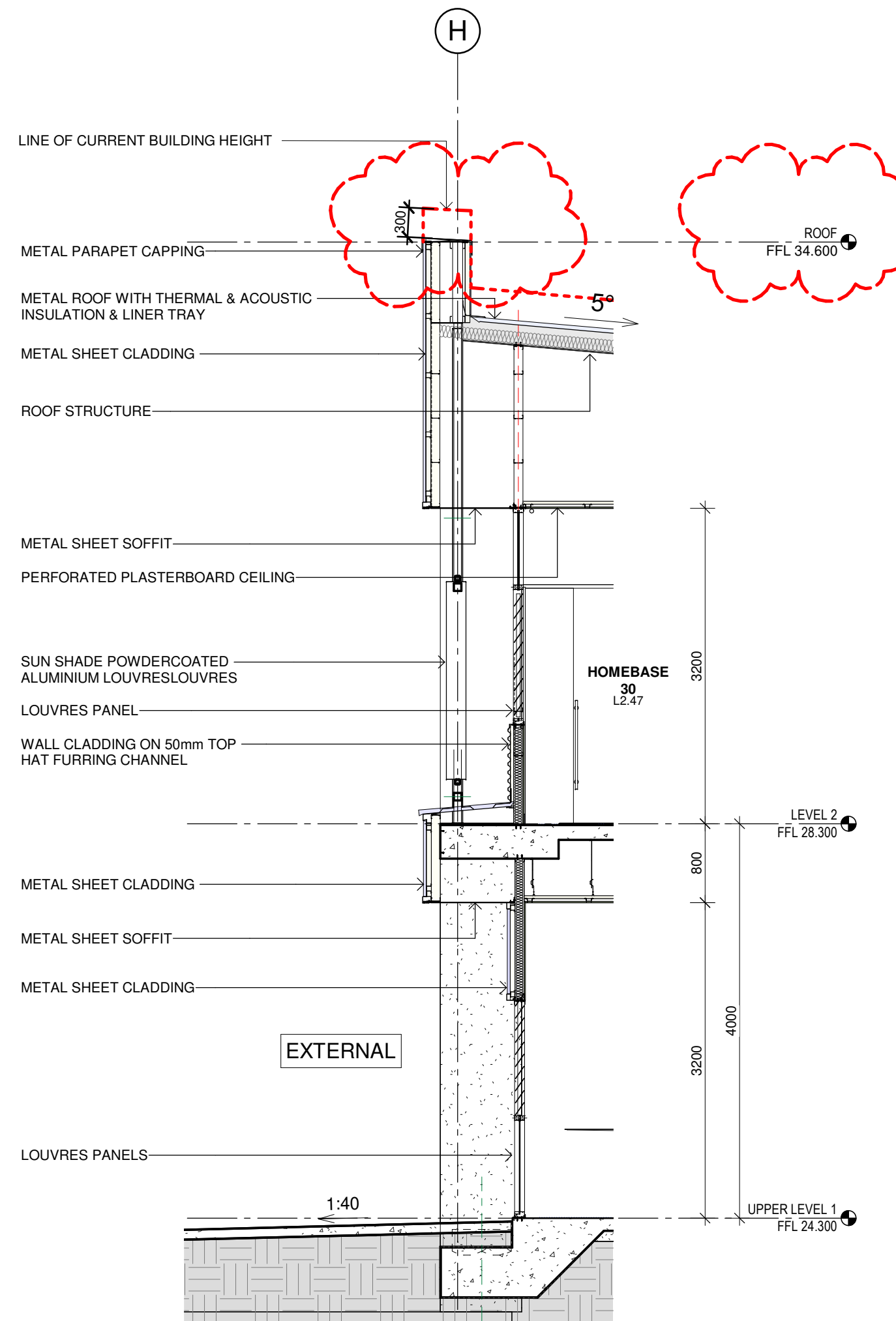
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1 : 50



2 Wall Section 02
1 : 50

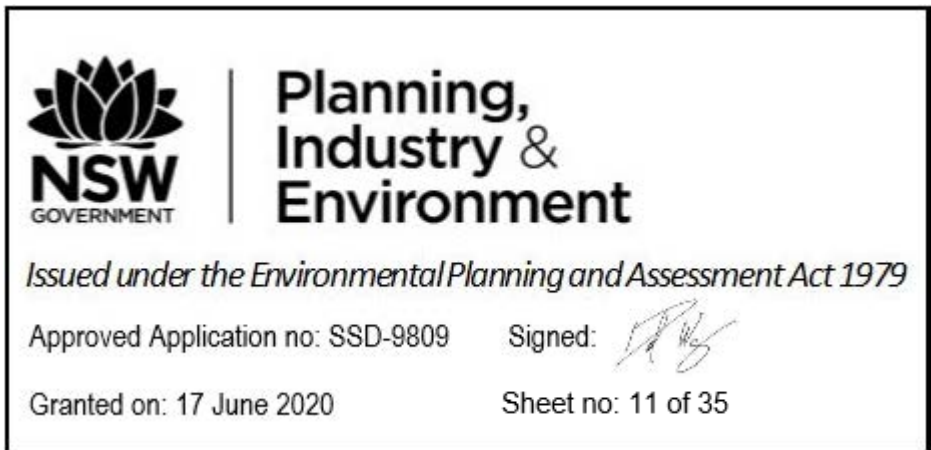


3 Wall Section 03
1 : 50



4 Wall Section 04
1 : 50

Issue No.	Date	Description	Chkd
A	16/08/2019	SSD APPLICATION	AM
B	17/02/2020	SSD APPLICATION - REVISED	EK
C	04/03/2020	SSD APPLICATION - REVISED	AH

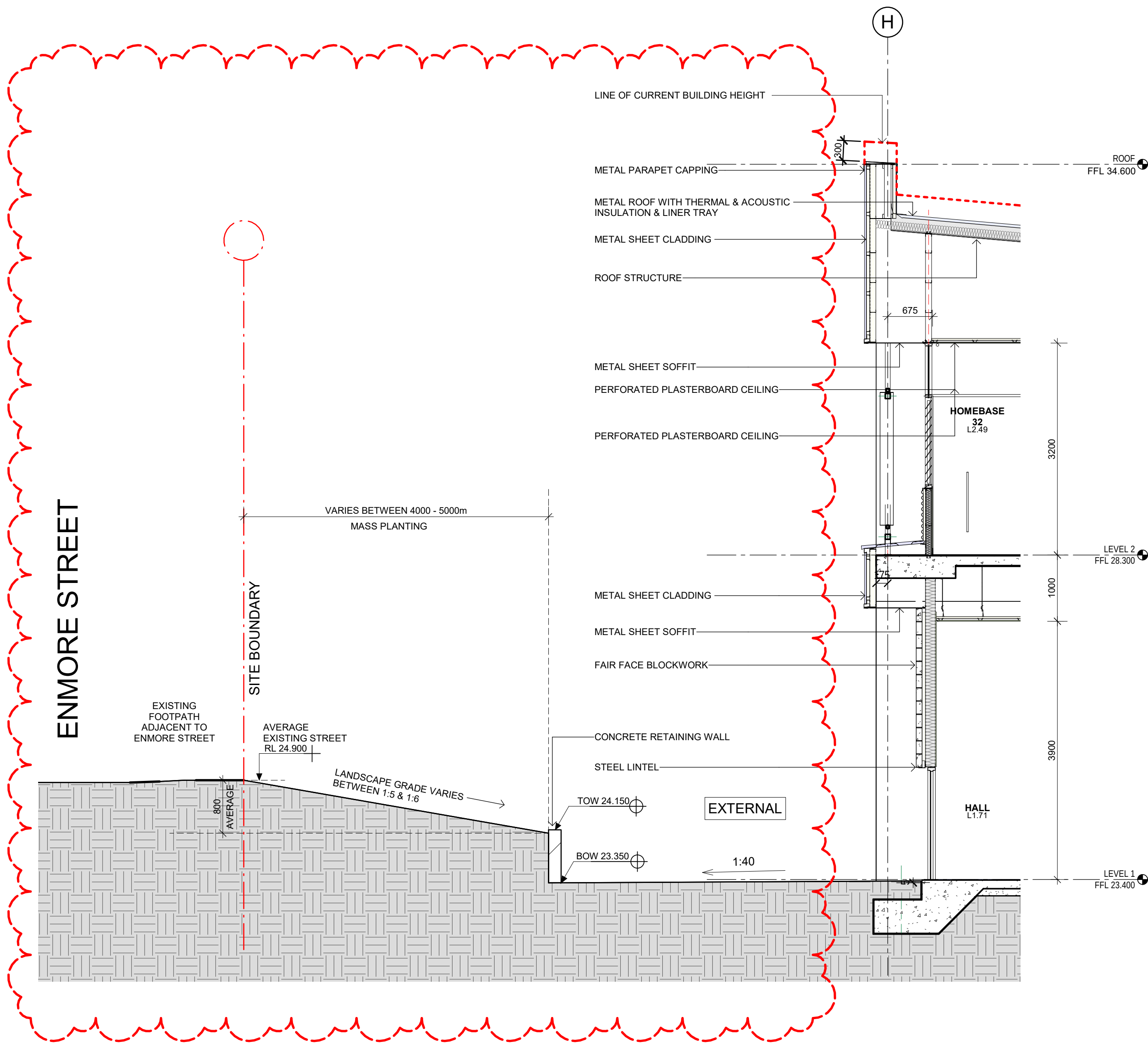


Drawing Title
WALL SECTIONS

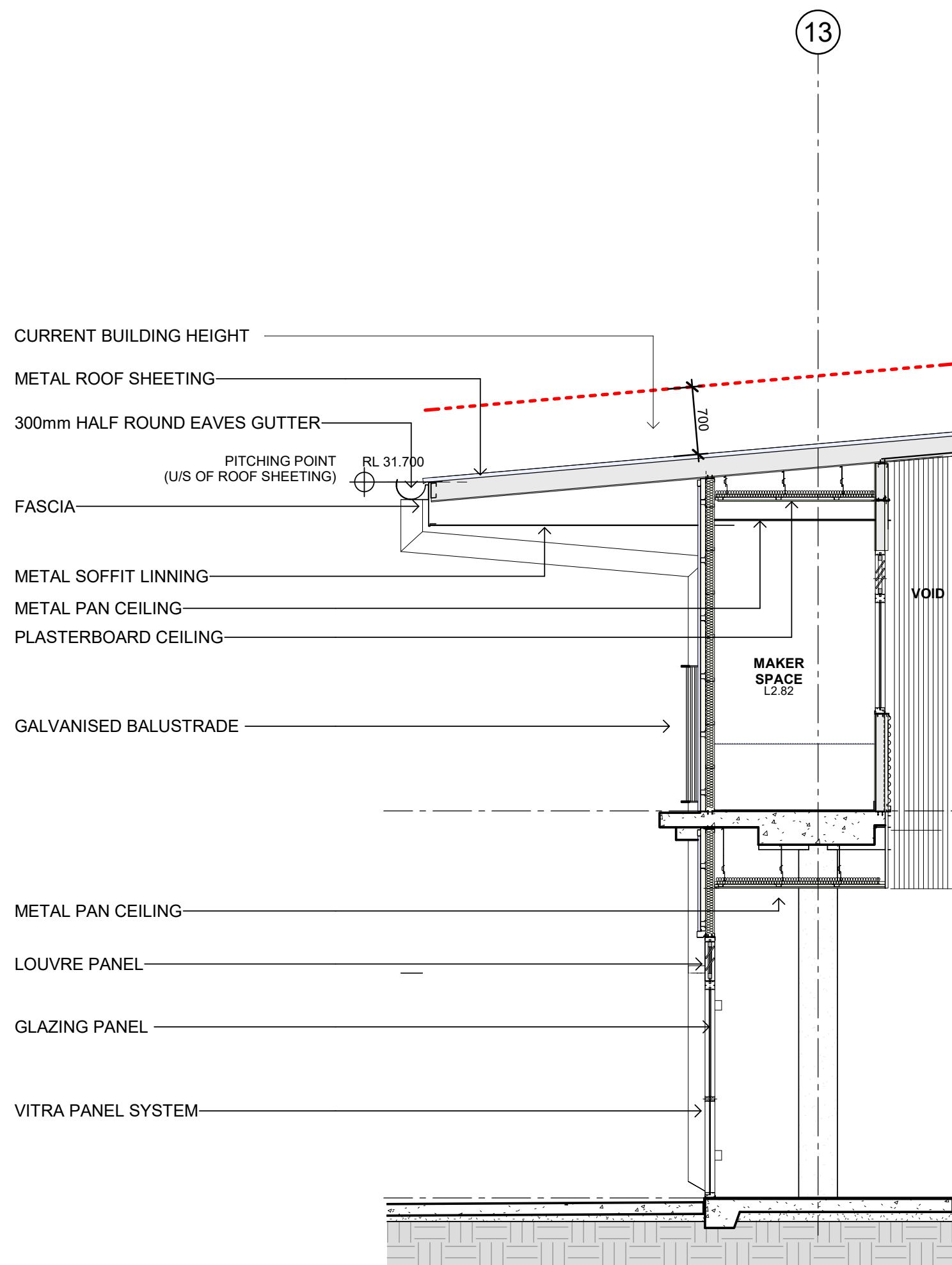
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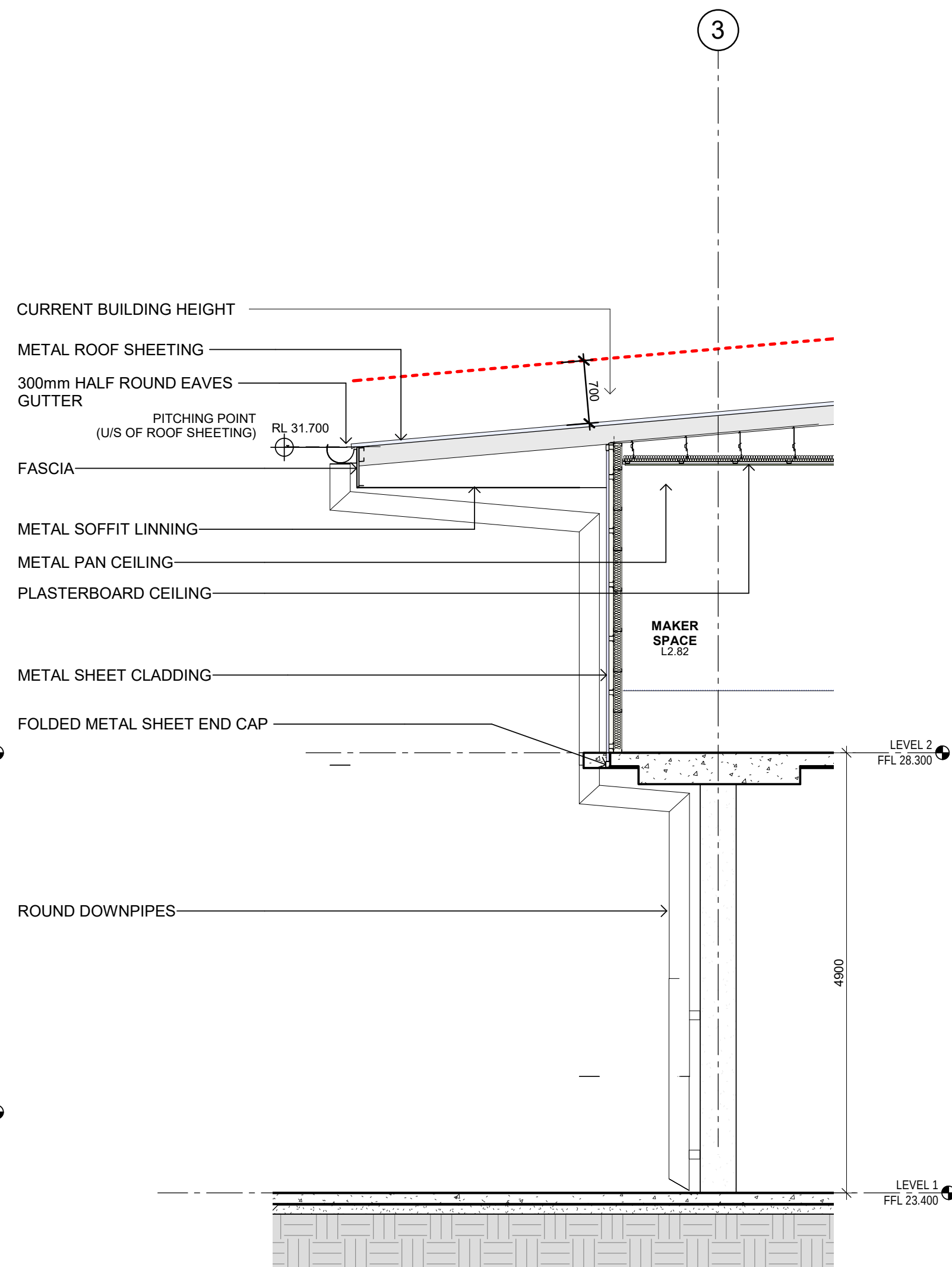
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Drawing Reference 19154-NBRS-A-450
Revision C



5 Wall Section 05
1 : 50



6 Wall Section 06
1 : 50



7 Wall Section 07
1 : 50

Issue No.	Date	Description	Chkd
A	16/08/2019	SSD APPLICATION	AM
B	17/02/2020	SSD APPLICATION - REVISED	EK
C	05/03/2020	SSD APPLICATION - REVISED	AH
D	25/03/2020	SSD APPLICATION - REVISED	EK



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Drawing Title
WALL SECTIONS

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NEW MARSDEN PARK PUBLIC
SCHOOL
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Scale 1 : 50 @ A1

Drawing Reference
19154-NBRSEARCHITECTURE-A-451
Revision
D

LEGEND

- SITE BOUNDARY
- 2.1m PALISADE FENCE
- 1.8m DECORATIVE SCREEN FENCE
- COLOURED CONCRETE BLOCK RETAINING WALLS
- TURF
- SYNTHETIC TURF
- MASS PLANTING
- COLOURED CONCRETE
- SPORTS COURTS
- AMPHITHEATRE / SPECTATOR SEATING
- ASPHALT
- SOFTFALL - PLAYGROUND MULCH
- RUBBER SOFTFALL SLOPE
- LARGE TREE PLANTING REFER SCHEDULE
- MEDIUM TREE PLANTING REFER SCHEDULE
- SMALL TREE PLANTING REFER SCHEDULE
- INDICATIVE STREET TREES AS PER SUBDIVISION PLAN

- 1 SPORTS FIELD WITH SPECTATOR SEATING
- 2 SPORTS COURT WITH SPECTATOR SEATING AND LUSH PLANTING TO PERIMETER
- 3 LEARNING BOARDWALK THROUGH LUSH PLANTING
- 4 AMPHITHEATRE BREAK OUT SPACE
- 5 NORTHERN ENTRY WITH BIKE STORAGE
- 6 PLAYGROUND AREA FOR NATURE PLAY ELEMENTS
- 7 OPEN FREE PLAY TURF AREA
- 8 VEGGIE GARDENS IN RAISED PLANTERS
- 9 CLASS BREAKOUT SPACES WITH RAISED PLANTERS AND SEATING
- 10 RUBBER SOFTFALL ENBANKMENT WITH CLIMBING PLAY ELEMENTS
- 11 HALL BREAKOUT SPACE WITH LOW SEATING WALLS
- 12 SOUTHERN ENTRY WITH BIKE STORAGE
- 13 MAIN ENTRY WITH PLANTING AND FEATURE CANOPY
- 14 CLASS BREAKOUT SPACES WITH DENSE SHADE TREES AND SEATING
- 15 INTERNAL BREAKOUT SPACES WITH SYNTHETIC TURF, RAISED PLANTERS AND LOW SEATING WALLS

Issue No.	Date	Description	Chkd
A	02/07/2019	PRELIM ISSUE FOR INFO	CB
B	04/07/2019	PRELIM ISSUE FOR COORD	CB
C	07/07/2019	PRELIM ISSUE FOR COORD	CB
D	09/07/2019	PRELIM ISSUE FOR COORD	CB
E	15/07/2019	PRELIM ISSUE FOR COORD	CB
F	15/07/2019	PRELIM ISSUE FOR COORD	CB
G	16/07/2019	ISSUED FOR SUBMISSION	CWP
H	14/08/2019	ISSUED FOR SUBMISSION	CWP
I	26/08/2019	ISSUED FOR SUBMISSION	CB
J	04/09/2019	ISSUED FOR SUBMISSION	CWP



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Sheet no: 13 of 35

BOLWARRA DRIVE
PROPOSED MAJOR ROAD

PROPOSED NORTHERN
PEDESTRAIN CROSS OVER

1
101

NORTH ENTRY

BIKE STORE

BIKE STORE

PLAY GROUND

PLAY EMBANKMENT

PLAY EMBANKMENT

CLASS BREAKOUT

CLASS BREAKOUT

CLASS BREAKOUT

CLASS BREAKOUT

CLASS BREAKOUT

CLASS BREAKOUT

CLASS BREAKOUT

CLASS BREAKOUT

CLASS BREAKOUT

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CLASS BREAKOUT

CLASS BREAKOUT

CLASS BREAKOUT

NORTHBOURNE STREET

PICK UP/
DROP OFF BAY

PICK UP/
DROP OFF BAY

PROPOSED EASTERN
PEDESTRAIN CROSS OVER

HYL

SUBSTATION

ENMORE STREET

PROPOSED SOUTHERN
PEDESTRAIN CROSS OVER

3x WATER TANKS

SERVICES

Drawing Title
SITE ARRANGEMENT PLAN

Project
MARSDEN PARK PUBLIC SCHOOL
Location
MARSDEN PARK NSW
Client
SCHOOLS INFRASTRUCTURE NSW

Landscape Architect
NBR ARCHITECTURE
LANDSCAPE
Level 3, 4 Glen Street, Milsom Point, NSW 2061 Australia
T: 61 2 9922 2344 F: 61 2 9922 1308
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Date
12/05/2020
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Project No.
19154
Sheet No.
LDA100
Revision No.
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MATERIALS PALETTES



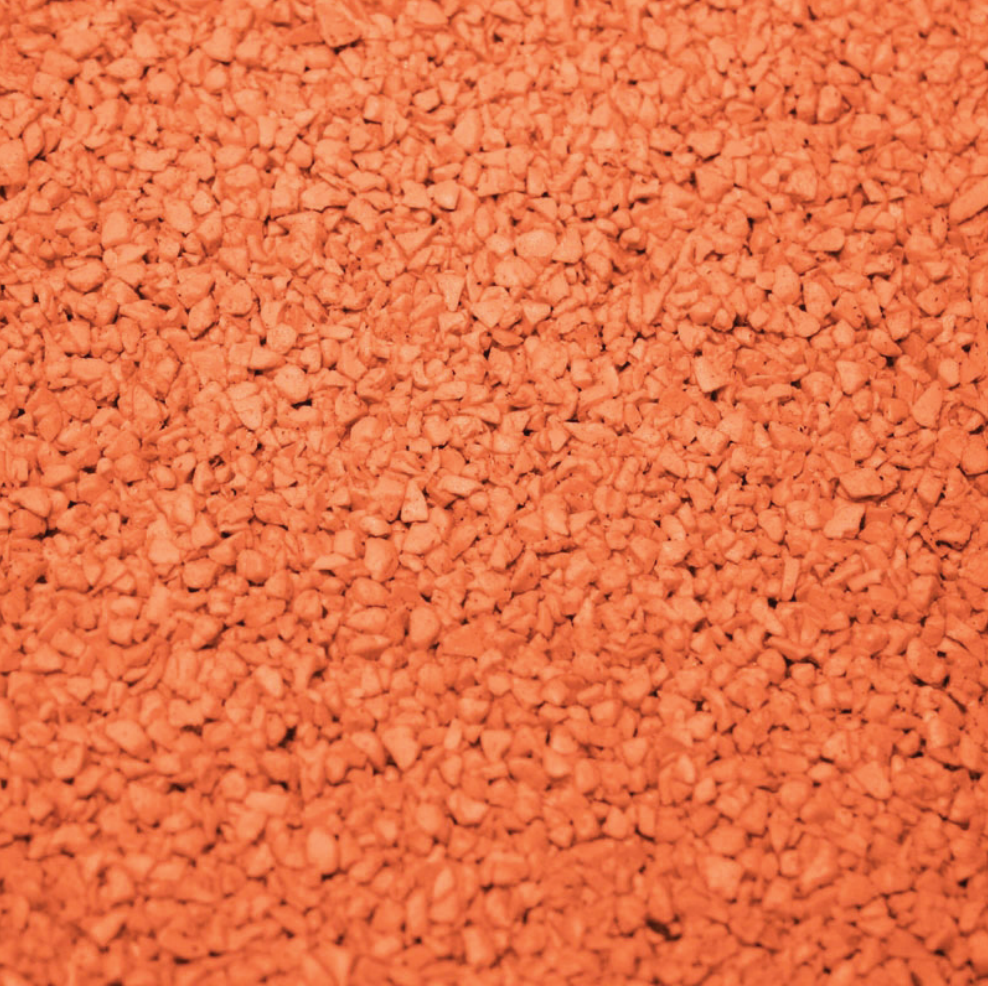
COLOURED CONCRETE - CCS PEWTER



COLOURED CONCRETE - CCS BLUE GUM



SYNTHETIC TURF



RUBBER SOFTFALL



COLOURED CONCRETE - CCS ONYX



CONCRETE SEATING WALLS

PRECEDENT IMAGES



RATSED GARDEN + SEATING EDGE



SHADED SEATING



PLAY EMBANKMENT



SPECTATOR SEATING



HERB/VEGETABLE GARDEN



CLEAR CIRCULATION

PLANTING PALETTE

Botanical Name	Common Name	Pot Size	Height	Width	Fire Resistant	Native (N) Exotic (E)	Blacktown Council List	Comments
Large Tree								
Angophora floribunda	Rough Barked Apple	75lt	20m	6m		N	Yes	Positioned outside high activity zone
Eucalyptus crebra	Narrow-leaved Ironbark	75lt	30m	8m		N	Yes	Positioned outside high activity zone
Eucalyptus moluccana	Grey Box	75lt	30m	8m		N	Yes	Positioned outside high activity zone
Flindersia australis	Crows Ash	200lt	15m	8m		N		
Fraxinus 'Raywoodii'	Claret Ash	200lt	20m	8 m		E	Yes	
Lophostemon confertus	Brush Box	200lt	15m	10m	Yes	N		
Medium to Small Trees								
Acmena smithii	Lilly Pilly	200lt	10m	5m		N		
Banksia integrifolia	Coast Banksia	75lt				N	Yes	
Buckinghamiana callcissima	Ivory Curl Tree	100lt	6m	4m	Yes	E		
Bursaria spinosa	Native Blackthorn	100lt	5m	4m		N	Yes	
Cupaniopsis anacardiodes	Tuckeroo	200lt	8m	5m	Yes	N		
Glochidion ferdinandi	Cheese Tree	200lt	12m	6m	Yes	N		
Harpulia pendula	Tulip Tree	200lt	12m	6m		E		
Sapium seberiferum	Chinese Tallow Tree	100lt	8m	7m		E	Yes	
Tristaniopsis laurina	Water Gum	200lt	10m	6m	Yes	N		
Waterhousia floribunda	Weeping Lily Pily	200lt	8m	5m		N		
Shrubs								
Banksia ericifolia	Heath Banksia	25lt	4m	4m	Yes	N		
Banksia spinulosa	Hair Pin Banksia	25lt	4m	4m	Yes	N	Yes	
Callistemon little john	Dwarf Form	5lt	1m	1m		N	Yes	
Doryanthes excelsa	Gymea Lilly	25lt	3m	2m	Yes	N	Yes	
Dodonaea viscosa subsp. cuneata	Sticky Hop Bush	200mm	4m	3m		N	Yes	
Hibbertia diffusa	Guniea Flower	200mm	2m	3m	Yes	N		
Westringia fruticosa	Coastal Rosemary	25lt	1m	1m		N		
Grasses								
Carex appressa	Tall Sedge	140mm	1.0m	0.5m		N	Yes	
Dianella revoluta	native Flax Lily	140mm	0.6m	0.5m	Yes	N	Yes	
Juncas usitatus	Rush	140mm	1.0m	0.5m		N	Yes	
Lomandra longifolia	Mat Rush	140mm	1.0m	0.6m	Yes	N	Yes	
Lomandra tanika	Mat Rush Cv	140mm	0.7m	0.6m		N		
Themeda australis	Kangaroo Grass	140mm	0.5m	0.5m		N	Yes	
Groundcovers								
Banksia spinulosa 'Birthday Candles'	Creeping Banksia	140mm	0.5m	2m	Yes	N		
Grevillea 'Bronze Rambler'	Grevillea	140mm	0.4m	1.5m	Yes	N	Yes	
Hardenbergia violaceae	Purple Coral Pea	140 mm	0.4m	1.5m	Yes	N	Yes	
Trachelospermum jasminoides	Star Jasmine	140 mm	0.4m	1.5m		E	Yes	



1 SITE SECTION 1
1:50



2 SITE SECTION 2
1:50



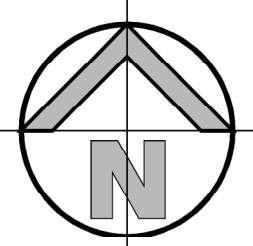
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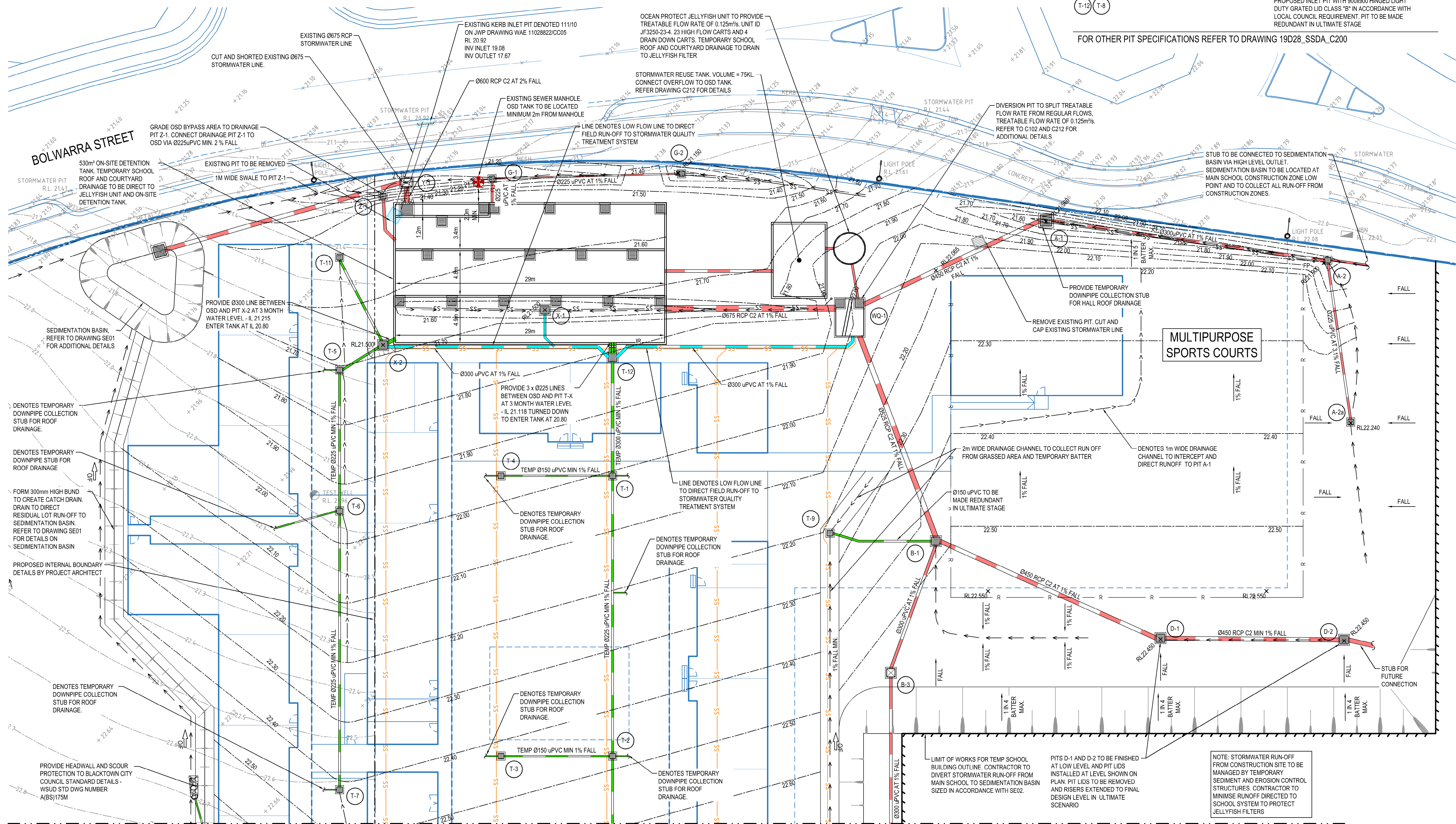
4 SITE SECTION 4
1:50



5 SITE SECTION 5
1:50



PIT/STRUCTURE NUMBER								DESCRIPTION
T-1	T-2	T-3	T-4	T-5	T-6	T-7	T-9	PROPOSED INLET PIT WITH 600x600 HINGED LIGHT DUTY GRATED LID CLASS "B" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT. PIT TO BE MADE REDUNDANT IN ULTIMATE STAGE
T-10	T-11							
T-12	T-8							PROPOSED INLET PIT WITH 900x900 HINGED LIGHT DUTY GRATED LID CLASS "B" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT. PIT TO BE MADE REDUNDANT IN ULTIMATE STAGE
FOR OTHER PIT SPECIFICATIONS REFER TO DRAWING 19D28_SSDA_C200								



TEMPORARY SCHOOL PLAN
SCALE 1:200



Planning,
Industry &
Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-9809

Signed: [Signature]

Granted on: 17 June 2020

Sheet no: 16 of 35

Client
ADCO CONSTRUCTION PTY LID

Architect
NBRS ARCHITECTURE

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Project
MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW

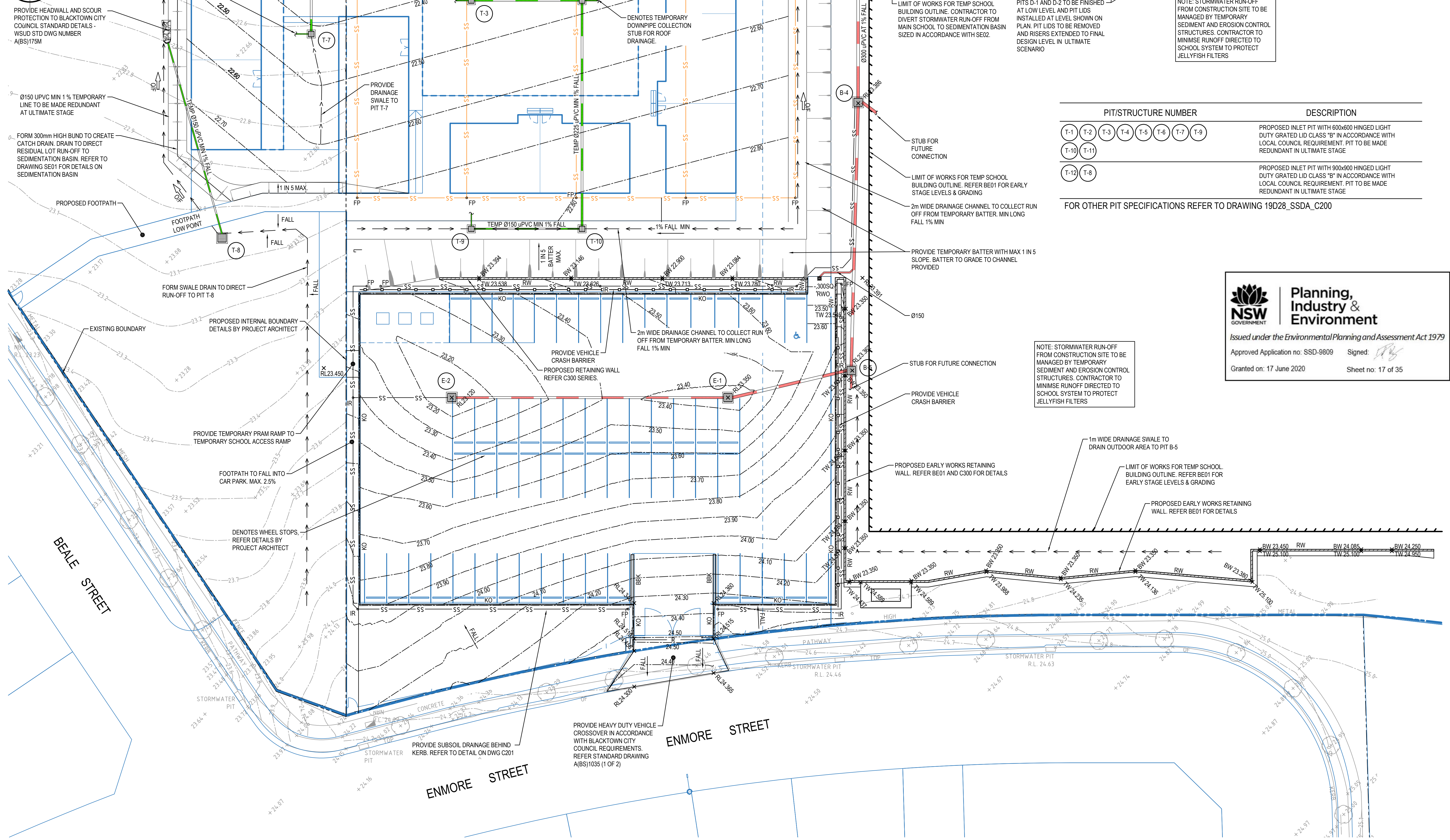
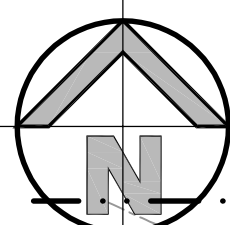
Title
TEMPORARY SCHOOL PLAN
SHEET 1 OF 2

Drawn
I.Khachab
Checked
N.Wetzlar
Designed
N.Wetzlar
Approved
A.Francis
Date
JAN 2020
Scale @A1
1:200

Drawing number
19D28_SSDA_C050
Revision
04

SURVEY
INFORMATION
SURVEYED BY LCG
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM191370

ISSUED FOR APPROVAL



PIT/STRUCTURE NUMBER								DESCRIPTION
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FOR OTHER PIT SPECIFICATIONS REFER TO DRAWING 19D28_SSDA_C200

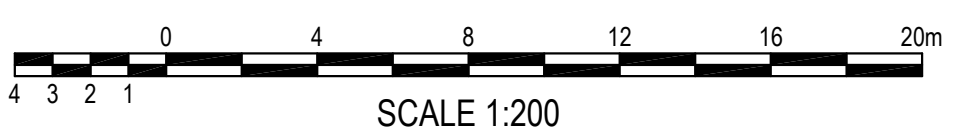


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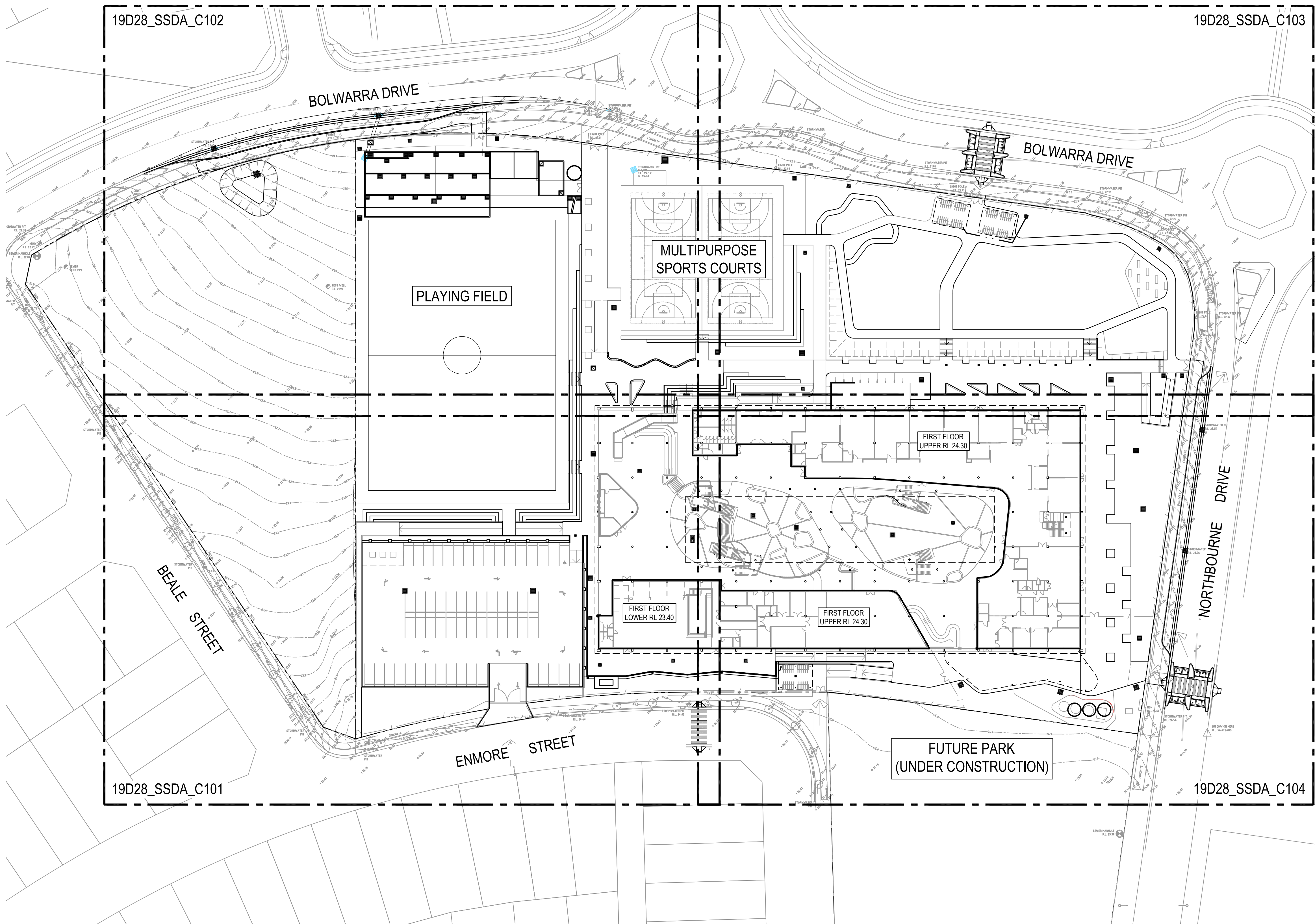
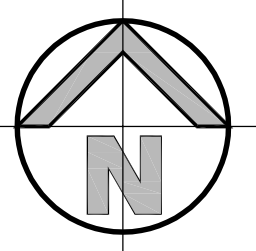
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TEMPORARY SCHOOL PLAN
SCALE 1:200

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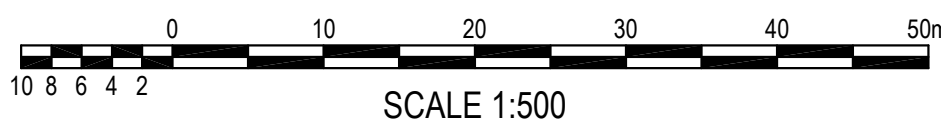
SURVEY INFORMATION SURVEYED BY LCG DATUM: A.H.D. ORIGIN OF LEVELS: SSM191370																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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LEGEND

- EXISTING BOUNDARY
- PROPOSED JUNCTION PITS
- PROPOSED SURFACE INLET PITS
- PROPOSED PIT TAG
- STORMWATER UPSTREAM INVERT RL
- STORMWATER PIPE DIAMETER & CLASS
- STORMWATER PIPE LENGTH
- STORMWATER PIPE GRADE
- STORMWATER DOWNSTREAM INVERT RL
- PROPOSED GRATED DRAIN
- PROPOSED STORMWATER PIPE
- PROPOSED LOW FLOW STORMWATER PIPE
- STORMWATER LINE TO BE MADE REDUNDANT FOLLOWING CLOSURE OF TEMPORARY SCHOOL
- PROPOSED SUBSOIL LINE
- EXISTING STORMWATER PIPE
- PROPOSED BATTER LINE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED SPOT LEVEL
- EXISTING SPOT LEVEL
- PROPOSED TOP OF WALL LEVEL
- PROPOSED BOTTOM OF WALL LEVEL
- 300 SQ RAINWATER OUTLET WITH Ø150mm OUTLET PIPE
- PROPOSED KERB ONLY
- BLACKTOWN CITY COUNCIL KERB ONLY
- PROPOSED BACK TO BACK KERB
- PROPOSED DISH DRAIN
- PROPOSED STORMWATER SWALE
- PROPOSED RETAINING WALL
- PROPOSED RIDGE LINE
- PROPOSED FLUSHING POINT (FP)
- PROPOSED INTERMEDIATE RISER (IR)
- PROPOSED DOWNPIPE LOCATION (DP)
- PROPOSED DOWNPIPE COLLECTION LINE
- PROPOSED LIMIT OF WORK

GENERAL ARRANGEMENT PLAN
SCALE 1:500



Planning, Industry & Environment

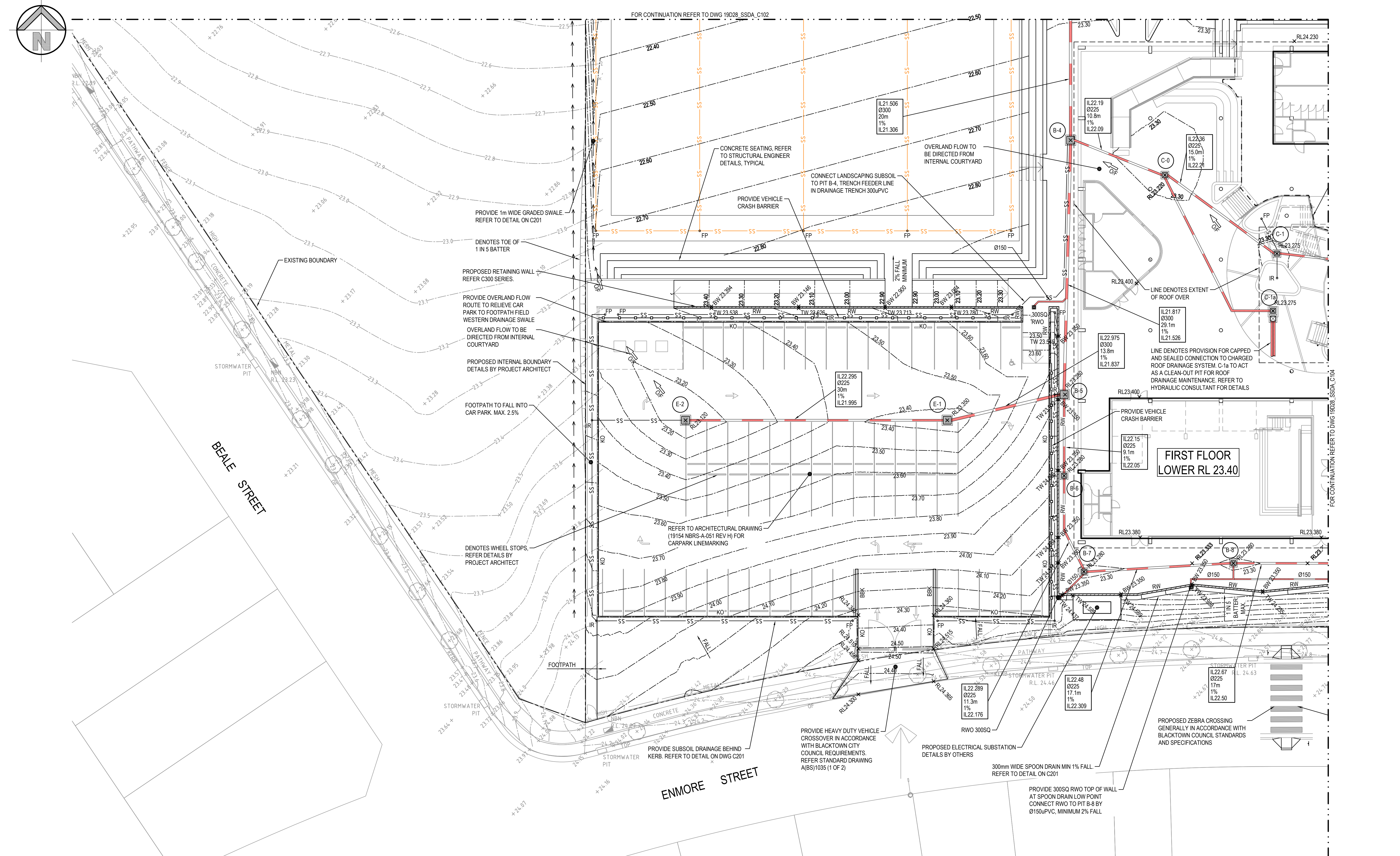
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Approved Application no: SSD-9809 Signed: *[Signature]*

Granted on: 17 June 2020 Sheet no: 18 of 35

ISSUED FOR APPROVAL

SURVEY INFORMATION SURVEYED BY LCG DATUM: A.H.D. ORIGIN OF LEVELS: SSM191370	06 ISSUED FOR SSDA APPROVAL ONLY			IK	NW	15.05.2020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Planning, Industry & Environment

Signed: 
Sheet no: 19 of 35

Granted on: 17 June 2020

Architect

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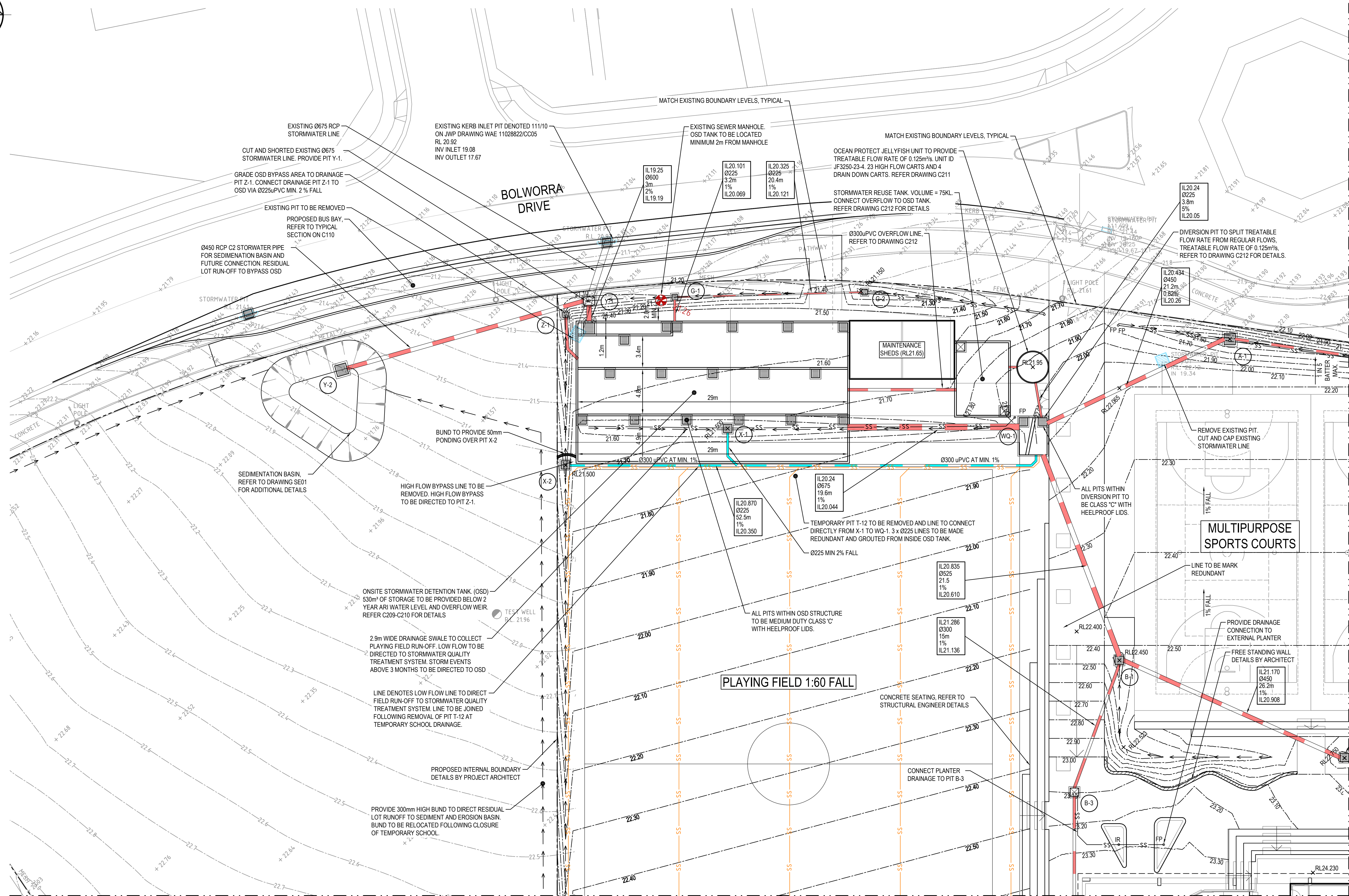
Title
DETAIL PLAN
SHEET 1 OF 4

Checked N.Wetzlar	Approved A.Francis	Date/Time 1:200
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Drawing number	Revision
19D28_SSDA_C101	06

SURVEY
INFORMATION
SURVEYED BY LCG
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM191370

06	ISSUED FOR SSDA APPROVAL ONLY	JK	NW	15.05.2020	
05	ISSUED FOR COORDINATION	JK	NW	08.05.2020	
04	ISSUED FOR SSDA APPROVAL ONLY	JK	NW	24.03.2020	
03	ISSUED FOR TENDER ONLY	BH	BH	05.03.2020	
02	ISSUED FOR TENDER ONLY	KR	NW	24.02.2020	
01	PRELIMINARY	JK	NW	12.02.2020	
REVISION	AMENDMENT	DESIGNED	DESIGNED	DATE	REVISION

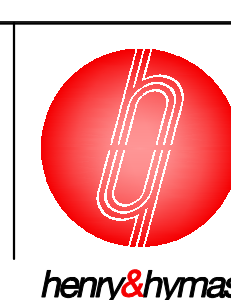


FOR CONTINUATION REFER TO DWG 19D28 SSDA C10



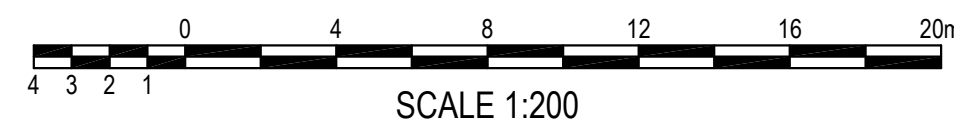
Granted on: 17 June 2020 Sheet no: 20 of 35

Architect
NBRS ARCHITECTURE



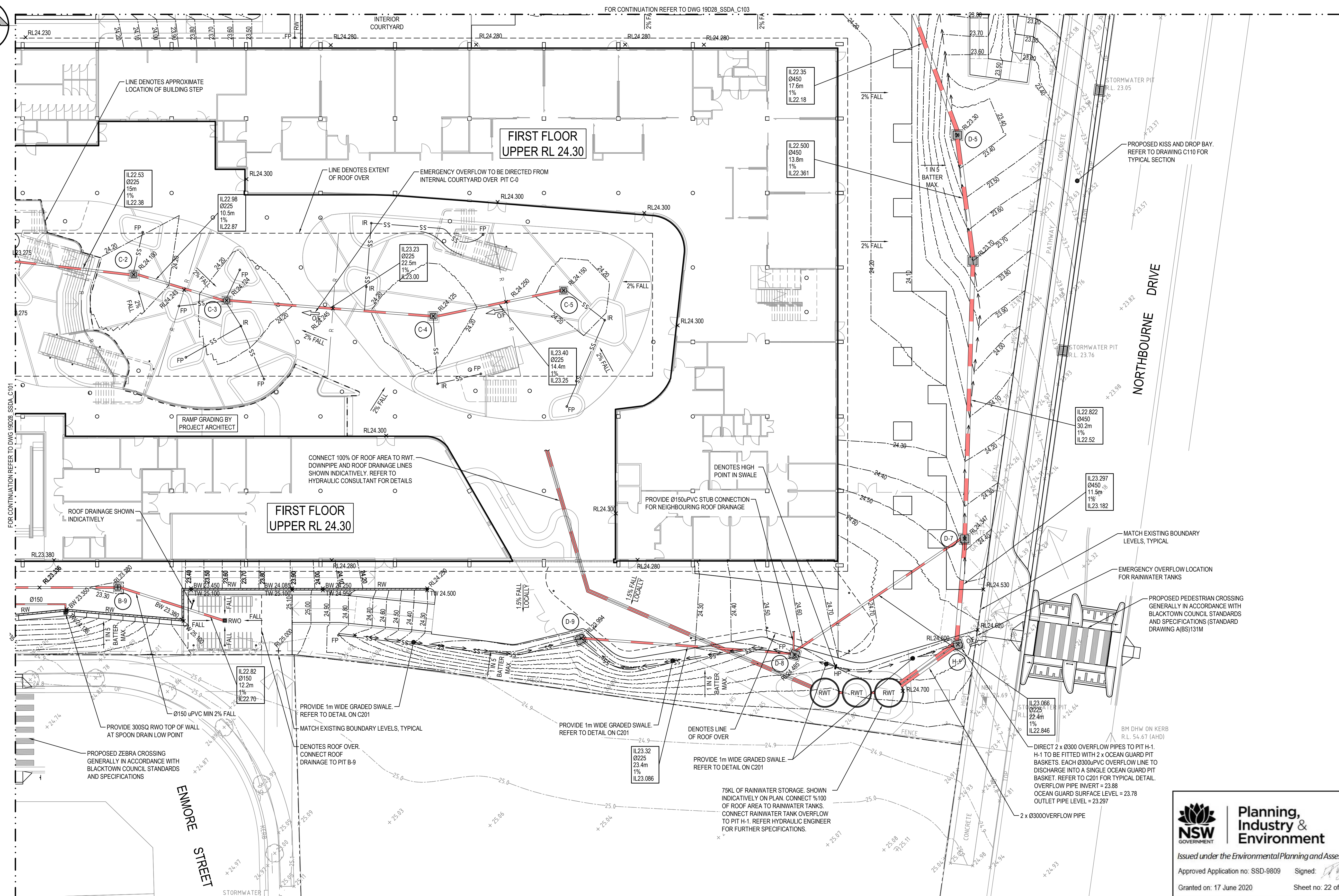
Drawing number	Revision
19D28_SSDA_C102	07

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05	ISSUED FOR SSDA APPROVAL ONLY	IK	NW	01.05.2020	
04	ISSUED FOR TENDER ONLY	BH	BH	05.03.2020	
03	ISSUED FOR TENDER ONLY	KR	NW	24.02.2020	
02	PRELIMINARY	IK	NW	14.02.2020	
01	PRELIMINARY	IK	NW	12.02.2020	
DEVELOP	AMENDMENT	DESIGN	DESIGN	DATE	DEVELOP



ISSUED FOR APPROVAL

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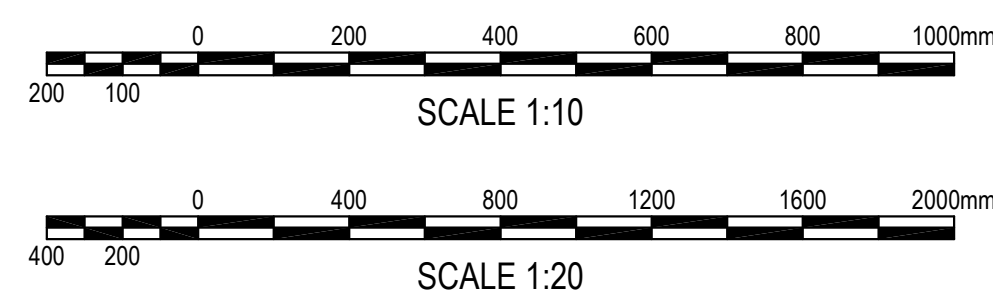
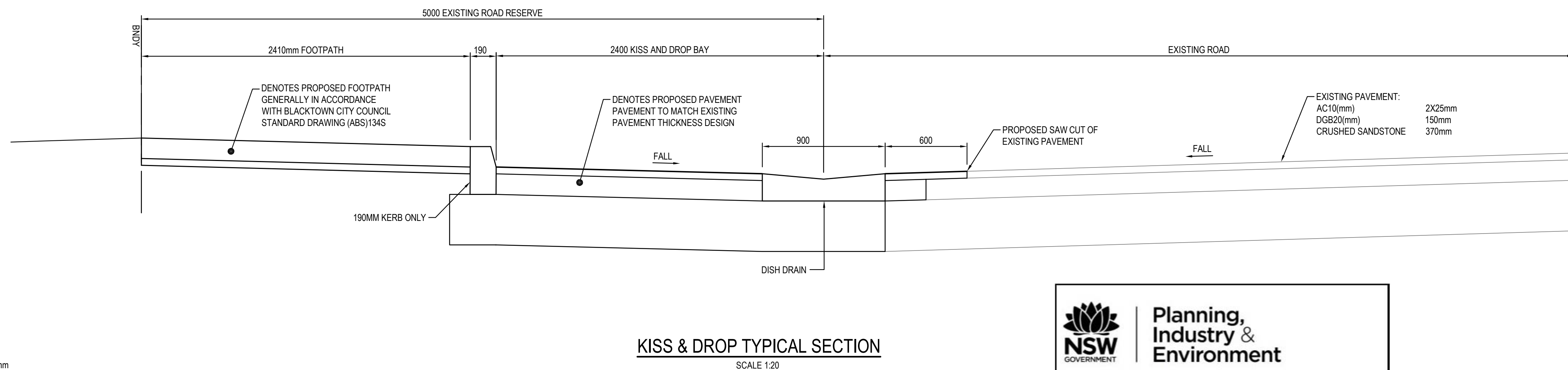
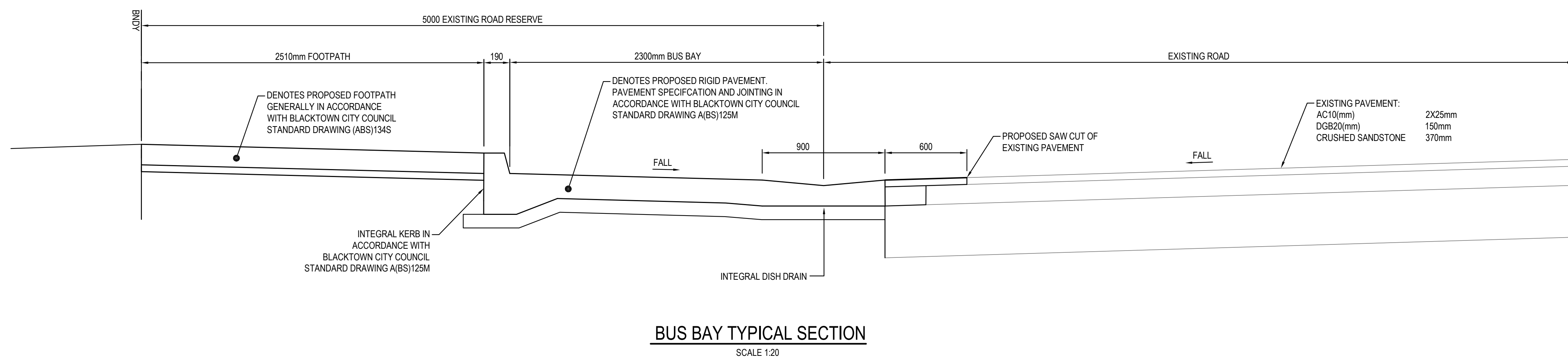
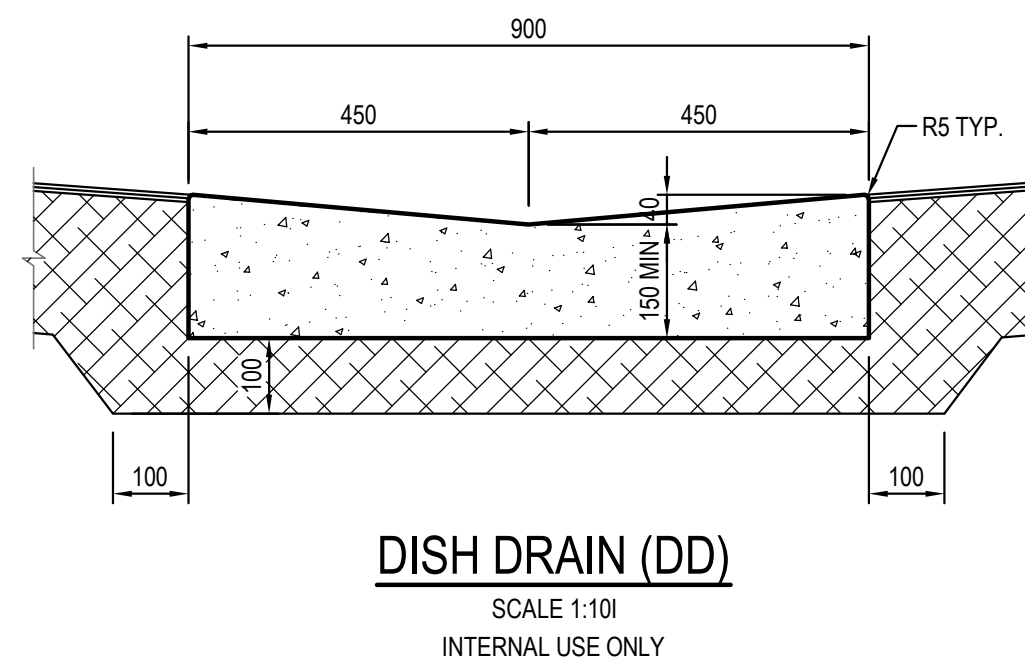
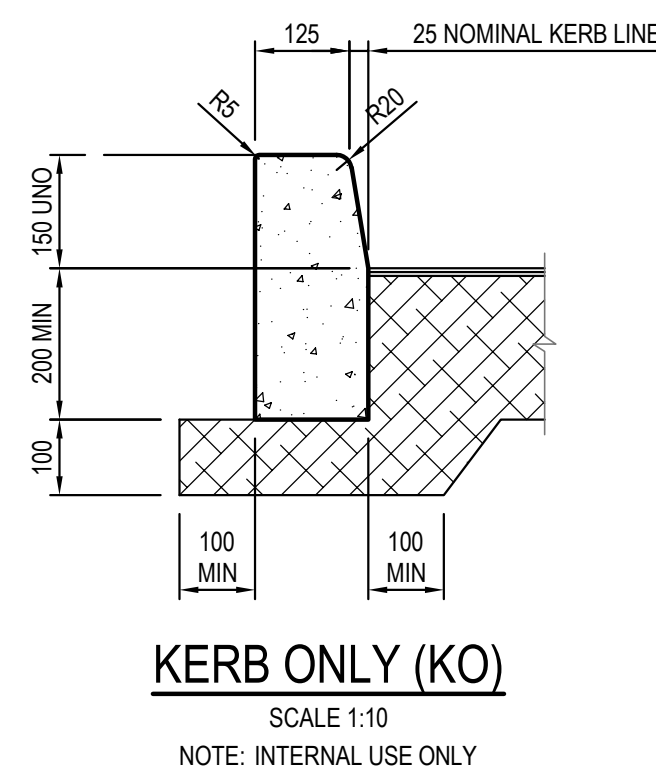
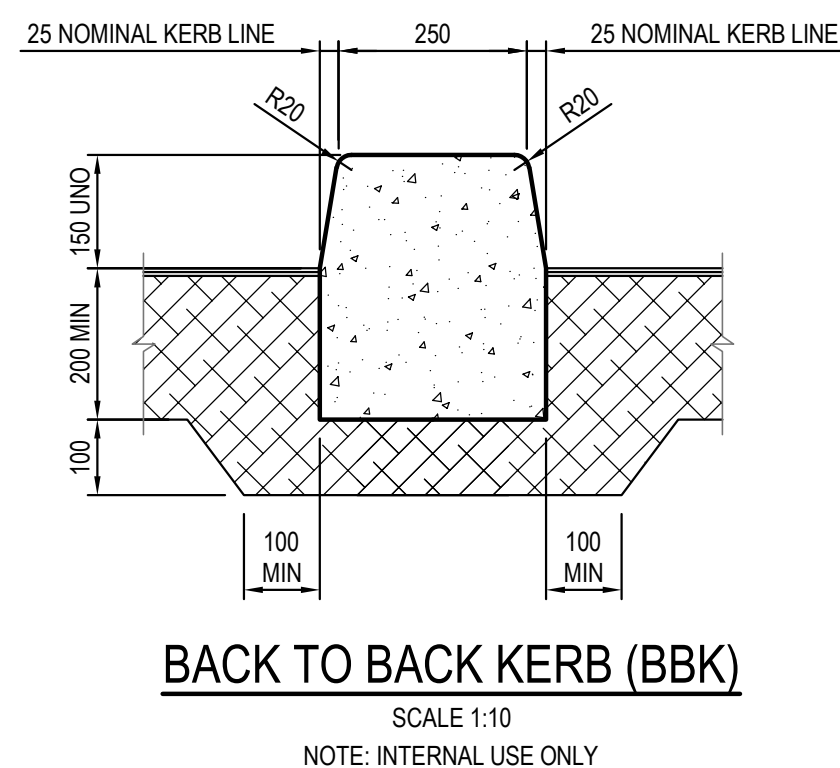
0 4 8 12 16 20m

SCALE 1:200

ISSUED FOR APPROVAL

INCLUDES ALL KERBS, GUTTERS, DISH DRAINS, CROSSING AND EDGES

1. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSING TO BE CONSTRUCTED ON MINIMUM 75mm GRANULAR BASE COURSE COMPACTED TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1.
2. EXPANSION JOINTS (E/J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATION IN KERBS.
3. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN SLABS.
4. BROADMAID FINISHED TO ALL RAMPED AND VEHICULAR CROSSINGS, ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
5. IN THE REPLACEMENT OF KERBS
EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm FROM LIP OF GUTTER, UPON COMPLETION OF NEW KERBS, NEW BASE COURSE AND SURFACE IS TO BE LAID 900mm WIDE TO MATCH EXISTING MATERIALS AND THICKNESS.
EXISTING ALLOTMENT DRAINAGE PIPE ARE TO BE BUILT INTO NEW KERB WITH A 100mm DIA HOLE.
EXISTING KERBS ARE TO BE COMPLETELY REMOVED WHERE NEW KERBS ARE SHOWN.





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Approved Application no: SSD-9809

Signed: 

Granted on: 17 June 2020

Sheet no: 23 of 35

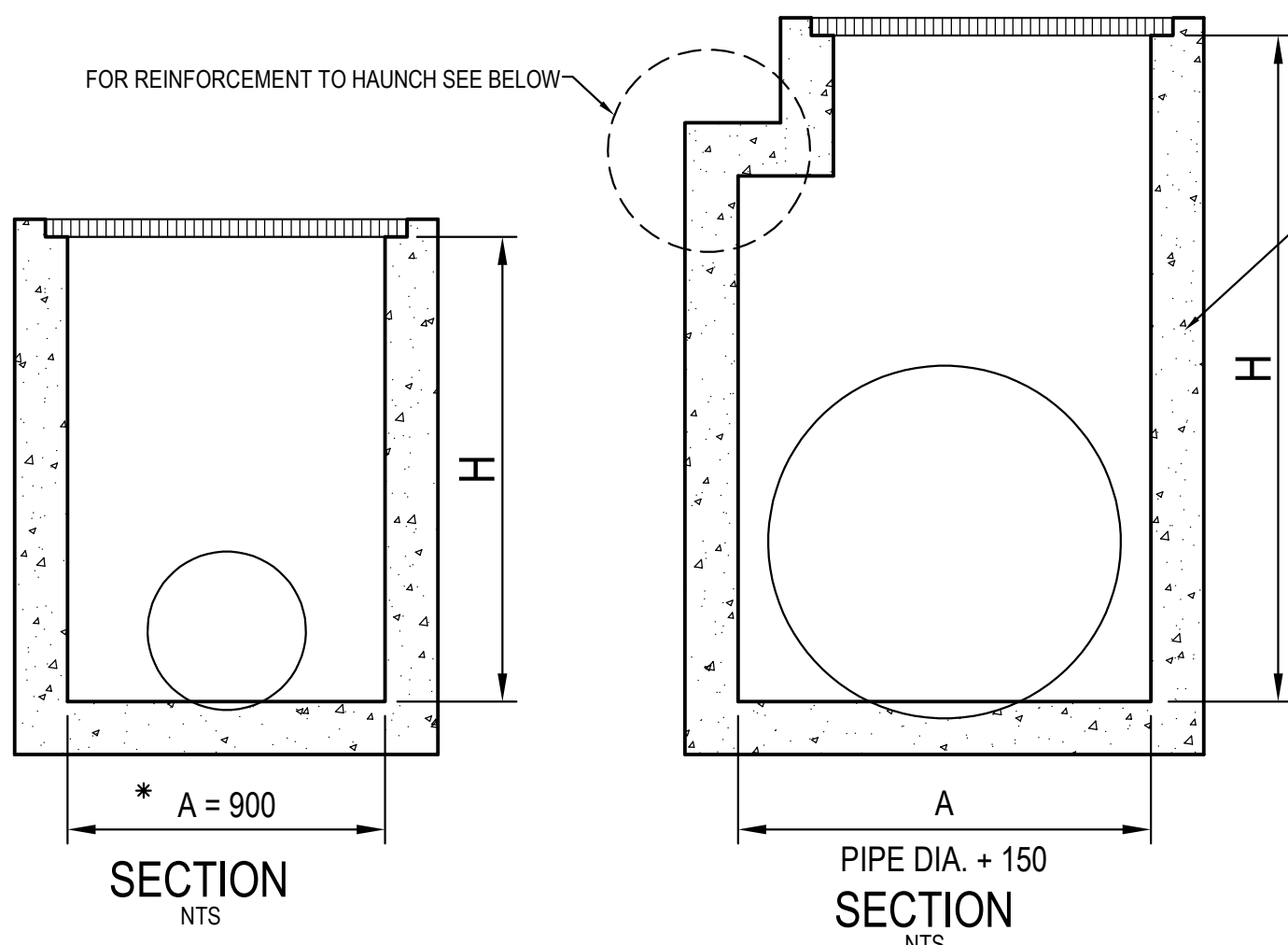
ISSUED FOR APPROVAL

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TYPICAL PIT CHAMBER SIZES

IT IS THE CONTRACTORS RESPONSIBILITY TO SELECT PIT CHAMBER SIZE WITH REGARDS TO PIPE SIZE, DEPTH TO INVERT AND SKEW ANGLE. REFER SKETCHES BELOW.

- SELECT PIT CHAMBER USING THE STEPS BELOW:
- SELECT PIT CHAMBER SIZE DEPENDING ON THE PIPE DIAMETERS.
- CHECK PIT CHAMBER SIZE TO SATISFY DEPTH TO INVERT REQUIREMENTS.
- CHECK PIT CHAMBER DIMENSIONS TO SATISFY THE SKEW ANGLE IN THE TABLE.



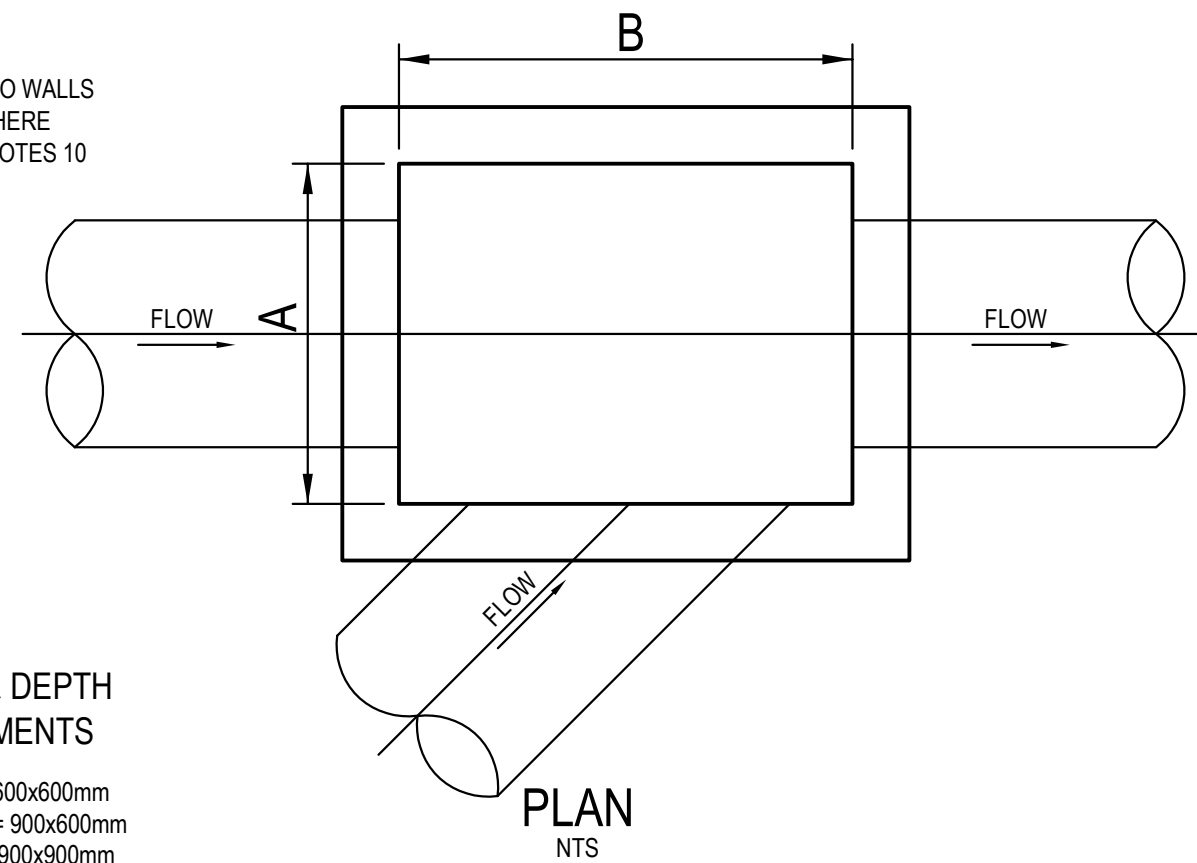
*A = 600 FOR PIPES UP TO 375 DIA.

- PIT CHAMBER DIMENSIONS FOR PIPES UP TO 600 DIA.

PIT SIZE & DEPTH REQUIREMENTS

H = 0-900mm - AxB = 600x600mm
H = 900-1200mm - AxB = 900x600mm
H = >1200mm - AxB = 900x900mm

FOR B = 600mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 225mm
FOR B = 900mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 375mm
FOR B = 1200mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 600mm
FOR B = 1500mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 825mm
FOR B = 1900mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 1050mm



- PIT CHAMBER FOR SIDE ENTRY ON SKEW

TABLE 1	
SIEVE SIZE (MM)	WEIGHT PASING (%)
75.0	100
9.5	100 TO 50
2.36	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

TABLE 2	
SIEVE SIZE (MM)	WEIGHT PASING (%)
19.0	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

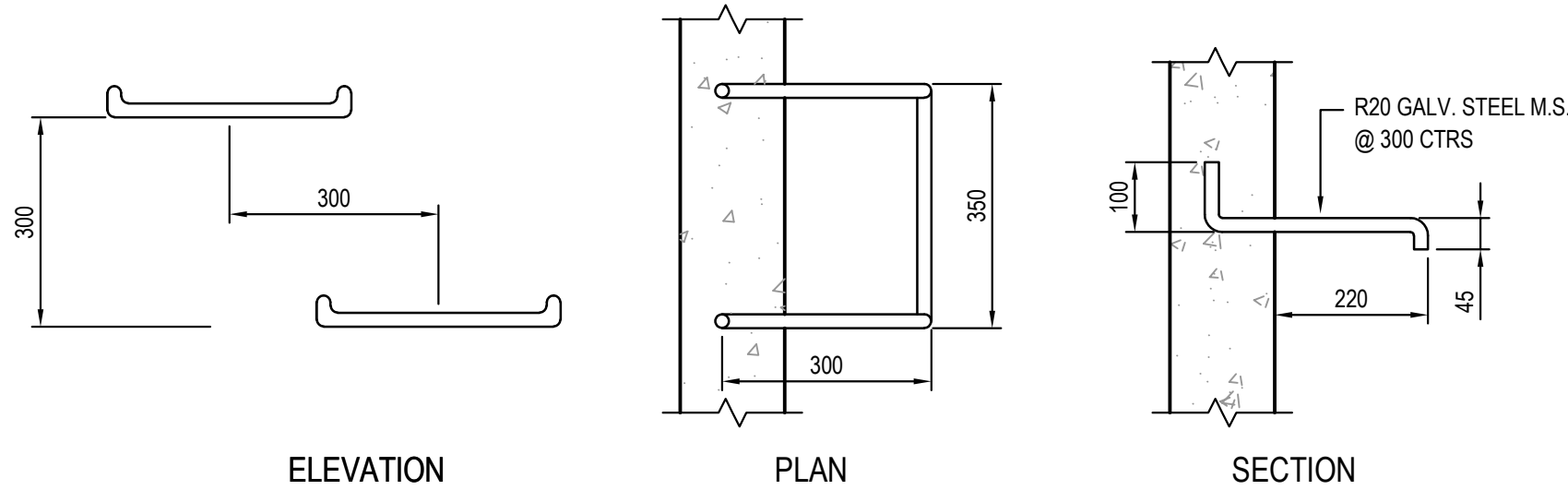
TABLE 3				
SUPPORT TYPE	BED ZONE X	HAUNCH ZONE Y	BED AND HAUNCH ZONES COMPACTION	MAX BEDDING FACTOR
HS1		0.1D	50	2.0
HS2	100 IF D<=1500, OR 150 IF D>=1500	0.3D	60	2.5
HS3		0.3D	70	4.0

PIT LID SCHEDULE

PIT/STRUCTURE NUMBER	DESCRIPTION
B-3	PROPOSED JUNCTION PIT WITH 900x900 MEDIUM DUTY SEALED LID CLASS "C" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT.
A-2 A-2a A-3 A-4 A-5 A-6 A-7 B-6 B-7 B-8 B-9 C-0 C-1 C-1a C-2 C-3 C-4 C-5 D-9 D-2a G-1 G-2 Z-1	PROPOSED INLET PIT WITH 600x600 HINGED LIGHT DUTY GRATED LID CLASS "B" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT.
D-1 D-2 D-4 D-5 D-6 D-7 D-8 B-5 A-1 B-1 X-1 X-2	PROPOSED INLET PIT WITH 900x900 HINGED LIGHT DUTY GRATED LID CLASS "B" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT.
H-1	PROPOSED INLET PIT WITH 900x1200 HINGED LIGHT DUTY GRATED LID CLASS "B" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT.
E-1 E-2	PROPOSED INLET PIT WITH 900x900 HINGED HEAVY DUTY GRATED LID CLASS "D" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT.
B-4 D-3	PROPOSED INLET PIT WITH 900x900 HINGED MEDIUM DUTY GRATED LID CLASS "C" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT.
WQ-1	PROPOSED INLET PIT WITH 900x900 HINGED LIGHT DUTY GRATED LID CLASS "B" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT. PIT DIMENSIONS TO BE CUSTOMISED TO SUIT INTERNAL WEIR DIVERTING TREATABLE FLOW RATE.
Y-1	PROPOSED JUNCTION PIT WITH 1200x900 LIGHT DUTY SEALED LID CLASS "B" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT.
Y-2	PROPOSED INLET PIT WITH 900x900 HINGED LIGHT DUTY SURCHARGE STYLE GRATED LID CLASS "B" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT.
Z-1	PROPOSED INLET PIT WITH 600x600 HINGED LIGHT DUTY GRATED LID CLASS "B" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT.

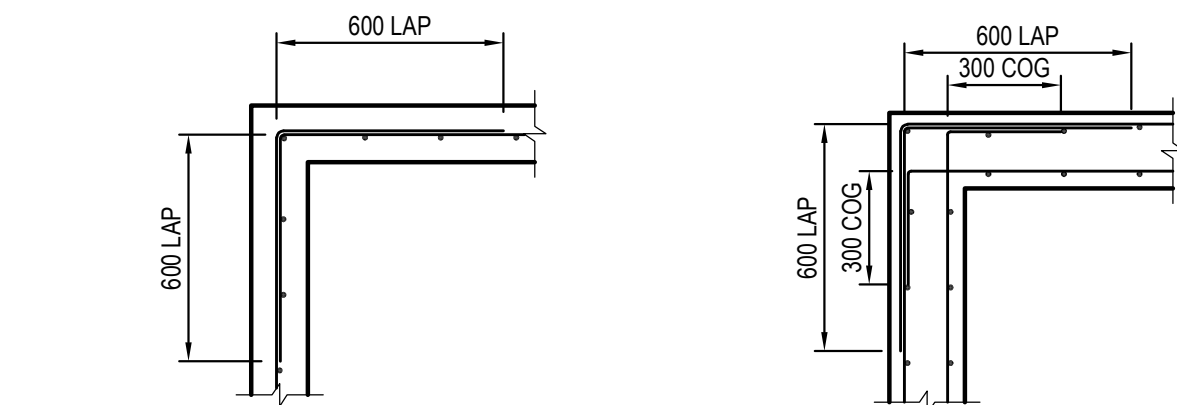
NOTE:

REFER TO C050 & C051 FOR TEMPORARY SCHOOL PITS LID SPECIFICATION.



TYPICAL STEP IRON DETAIL

SCALE 1:10

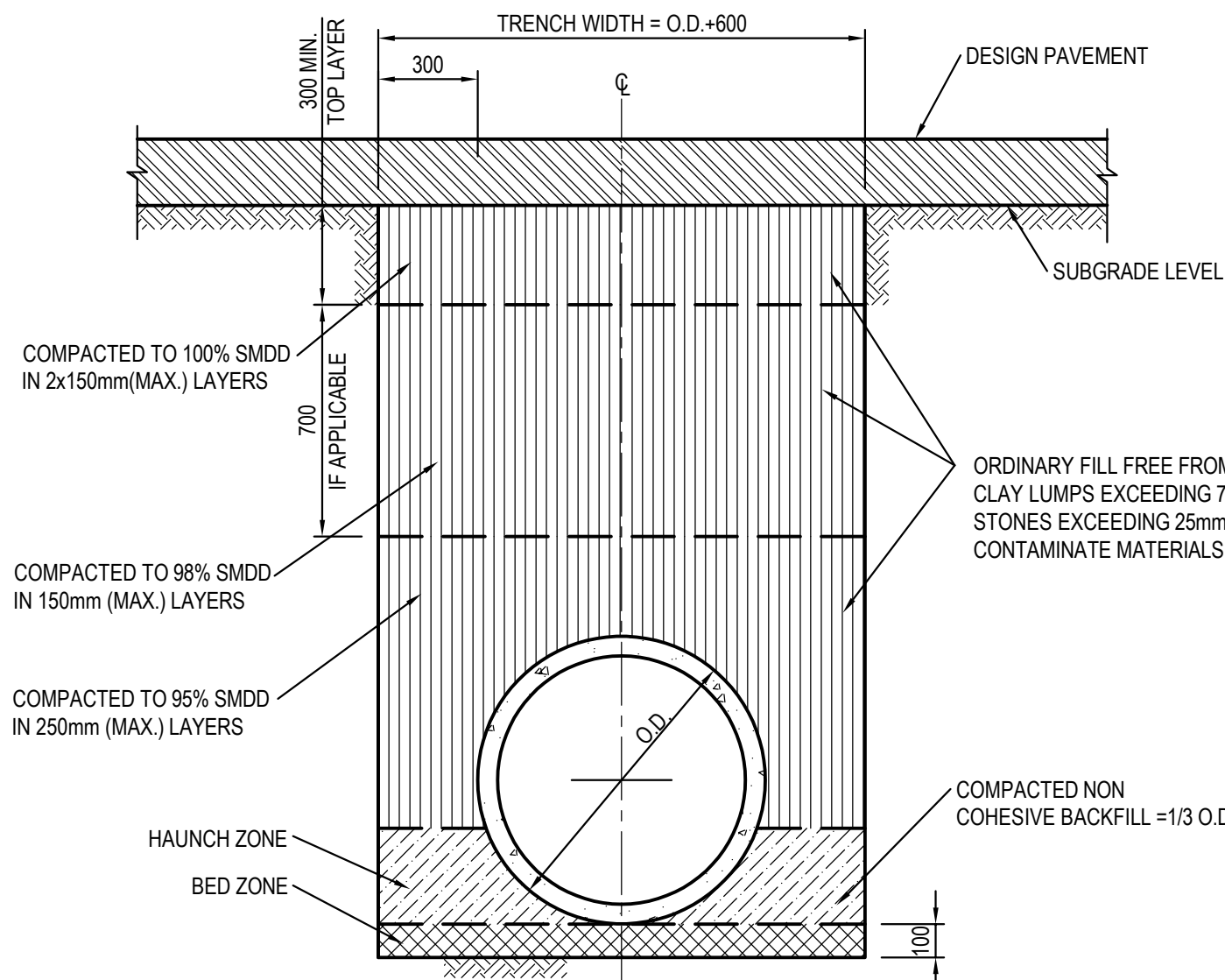


150 WALL - CORNER DETAIL

SCALE 1:20

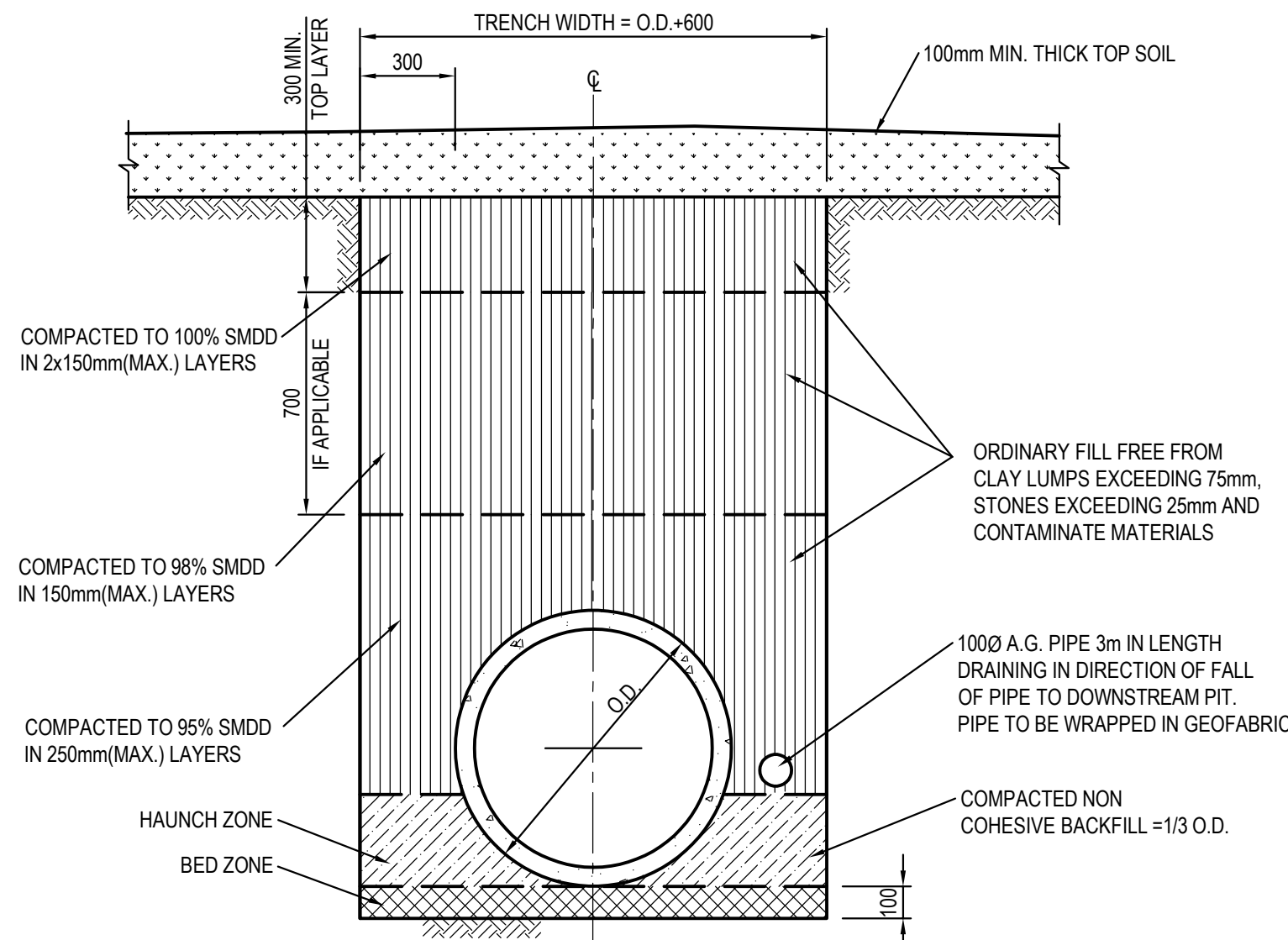
200 WALL - CORNER DETAIL

SCALE 1:20



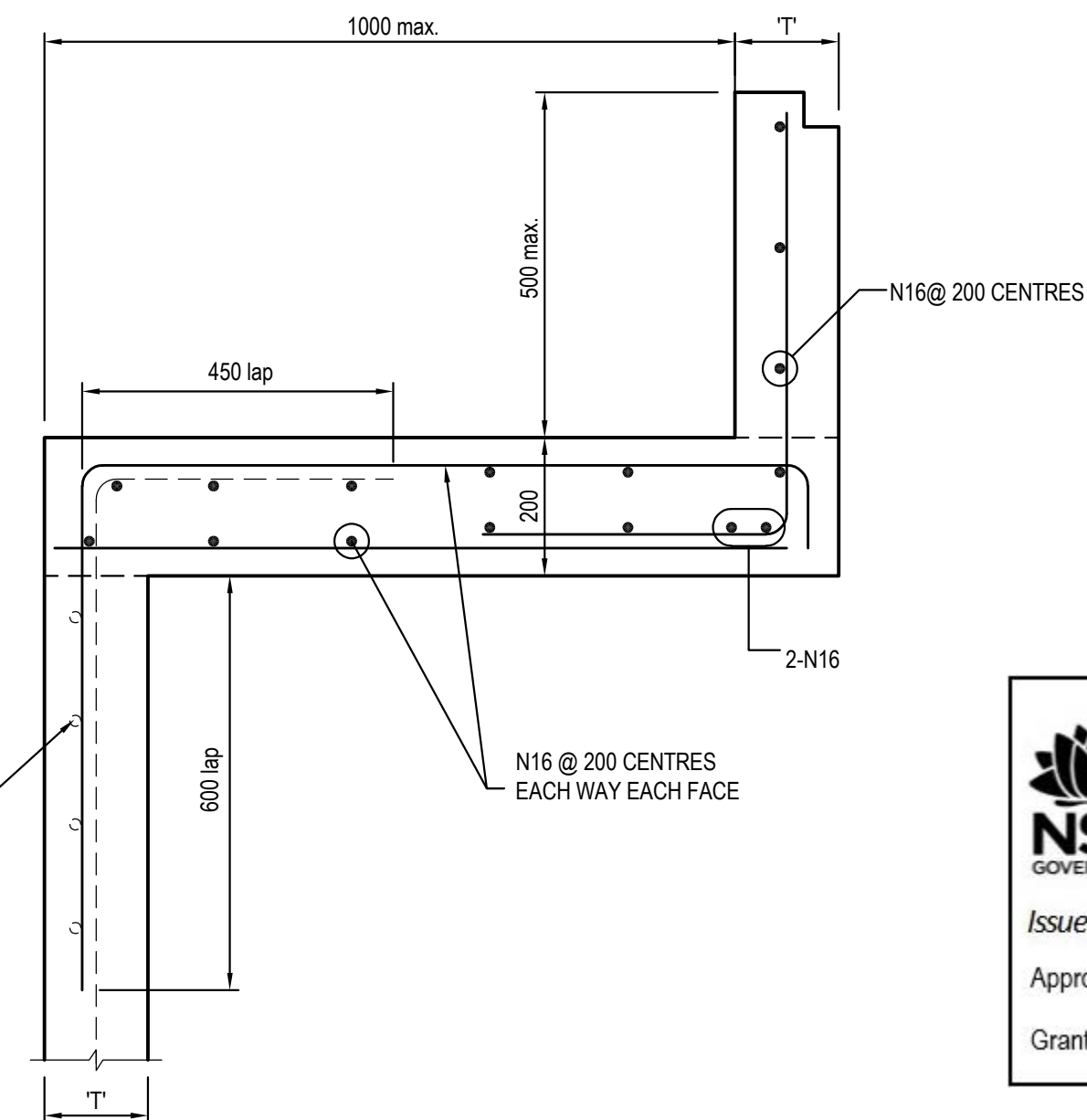
PIPE TRENCH INSTALLATION BENEATH PAVEMENT

(H1 & H2 SUPPORT)
SCALE 1:20



PIPE TRENCH INSTALLATION IN LANDSCAPE AREAS

(H1 & H2 SUPPORT)
SCALE 1:20



HAUNCH DETAIL -TYPICAL

SCALE 1:10

NOTES:

- ALL GRATED INLET PITS TO CONTAIN OCEAN PROTECT 200 MICRON PIT BASKETS OR APPROVED EQUIVALENT UNLESS NOTED ON PLAN. REFER DRAWING C201 & C250 FOR DETAILS.
- ALL PITS IN FOOTPATH TO BE FITTED WITH SLIP RESISTANT HEELGUARD LID.
- PIT SCHEDULE ABOVE DOES NOT INCLUDE PIT LIDS FOR WATER QUALITY DEVICES OR BELOW GROUND OSD TANKS, REFER DRAWINGS C210 AND C211.

NSW GOVERNMENT

Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-9809 Signed: *[Signature]*

Granted on: 17 June 2020 Sheet no: 24 of 35

ISSUED FOR APPROVAL

SURVEY INFORMATION

SURVEYED BY LCG

DATUM: A.H.D.

ORIGIN OF LEVELS: SSM191370

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
05	ISSUED FOR SSDA APPROVAL ONLY	IK	NW	15.05.2020					
04	ISSUED FOR COORDINATION	IK	NW	08.05.2020					
03	ISSUED FOR SSDA APPROVAL ONLY	KR	NW	24.03.2020					
02	ISSUED FOR TENDER ONLY	KR	NW	24.02.2020					
01	PRELIMINARY	IK	NW	12.02.2020					

Client
ADCO CONSTRUCTIONS PTY LTD

Architect
NBRS ARCHITECTURE

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Project
**MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW**

Title
**STORMWATER MISCELLANEOUS DETAILS
& PIT LID SCHEDULE**

Drawn
I.Khachab

Designed
N.Wetzlar

Checked
N.Wetzlar

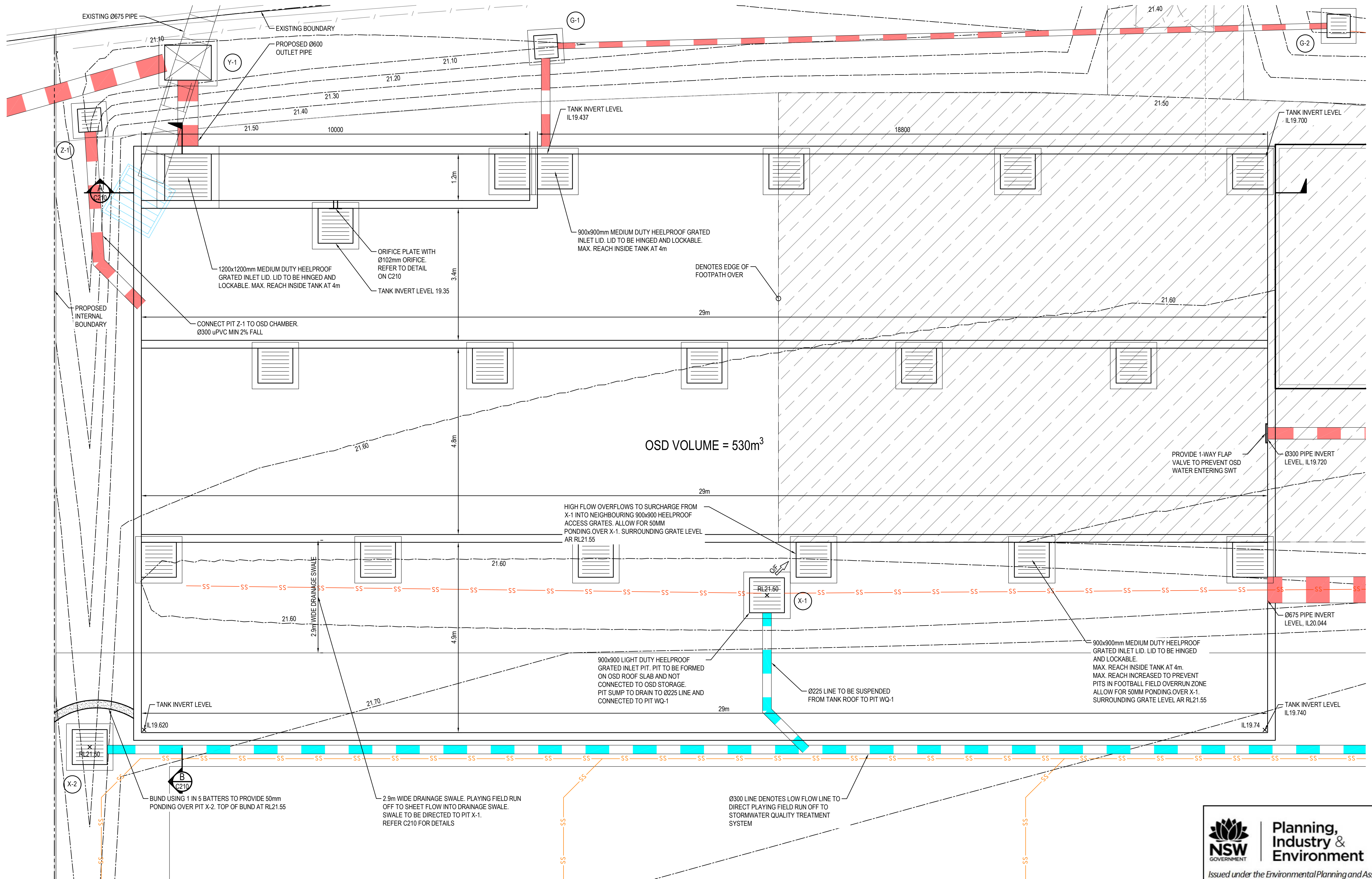
Approved
A.Francis

Date
JUNE 2019

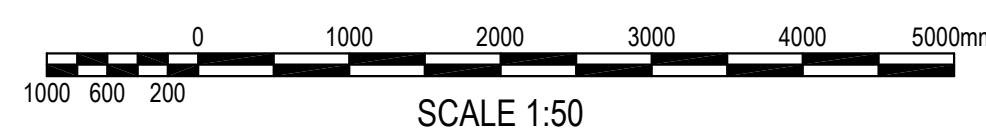
Scale
AS NOTED

Drawing number
19D28_SSDA_C200

Revision
05



OSD TANK PLAN
SCALE 1:50



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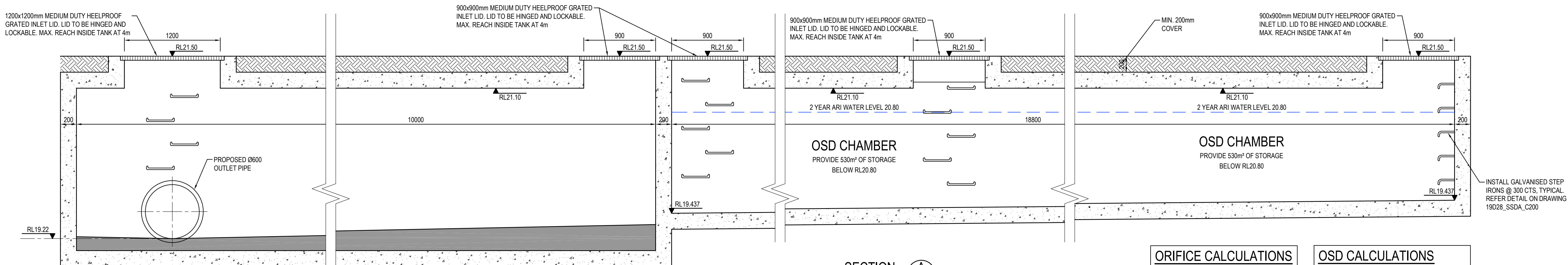
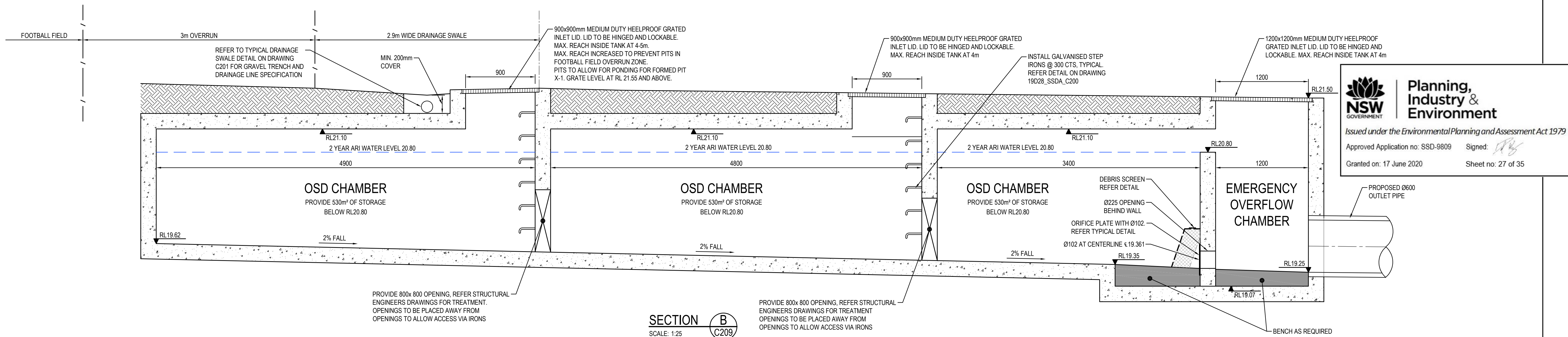
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Approved Application no: SSD-9809 Signed: *[Signature]*

Granted on: 17 June 2020 Sheet no: 26 of 35

ISSUED FOR APPROVAL

SURVEY INFORMATION SURVEYED BY LCG DATUM: A.H.D. ORIGIN OF LEVELS: SSM191370																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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ORIFICE CALCULATIONS

2 YEAR WIER LEVEL = 20.80
ORIFICE CENTRELINE = 19.361
2 YEAR PERMISSIBLE SITE DISCHARGE = 25l/s

$$A = \frac{Q}{0.6\sqrt{2 \times g \times h}}$$

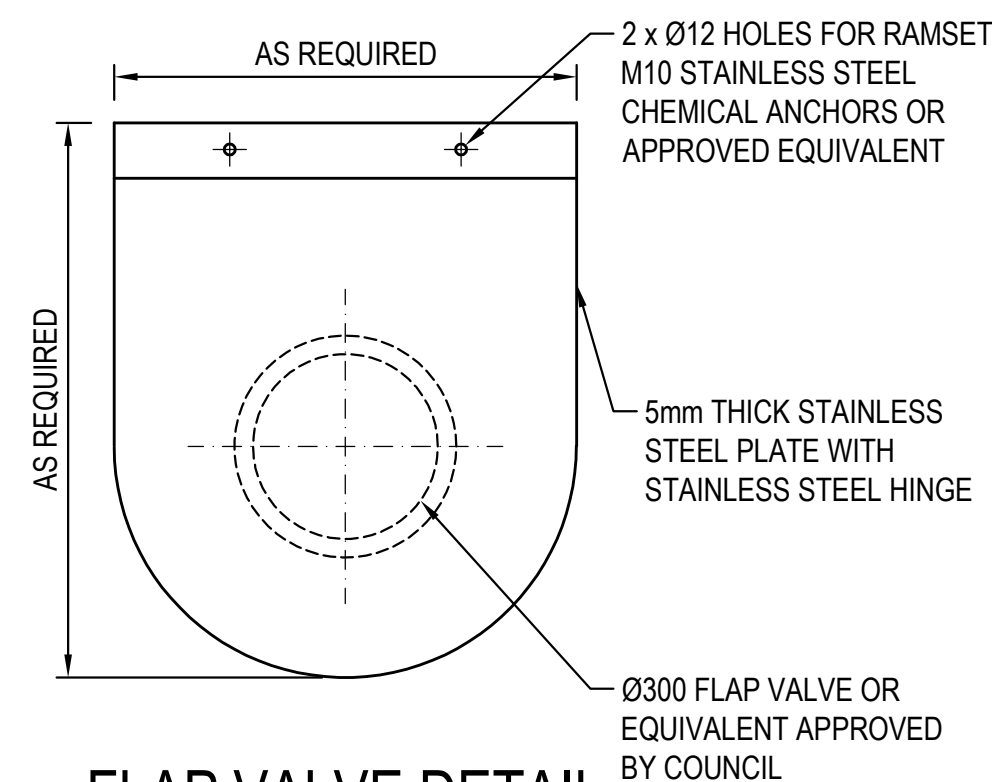
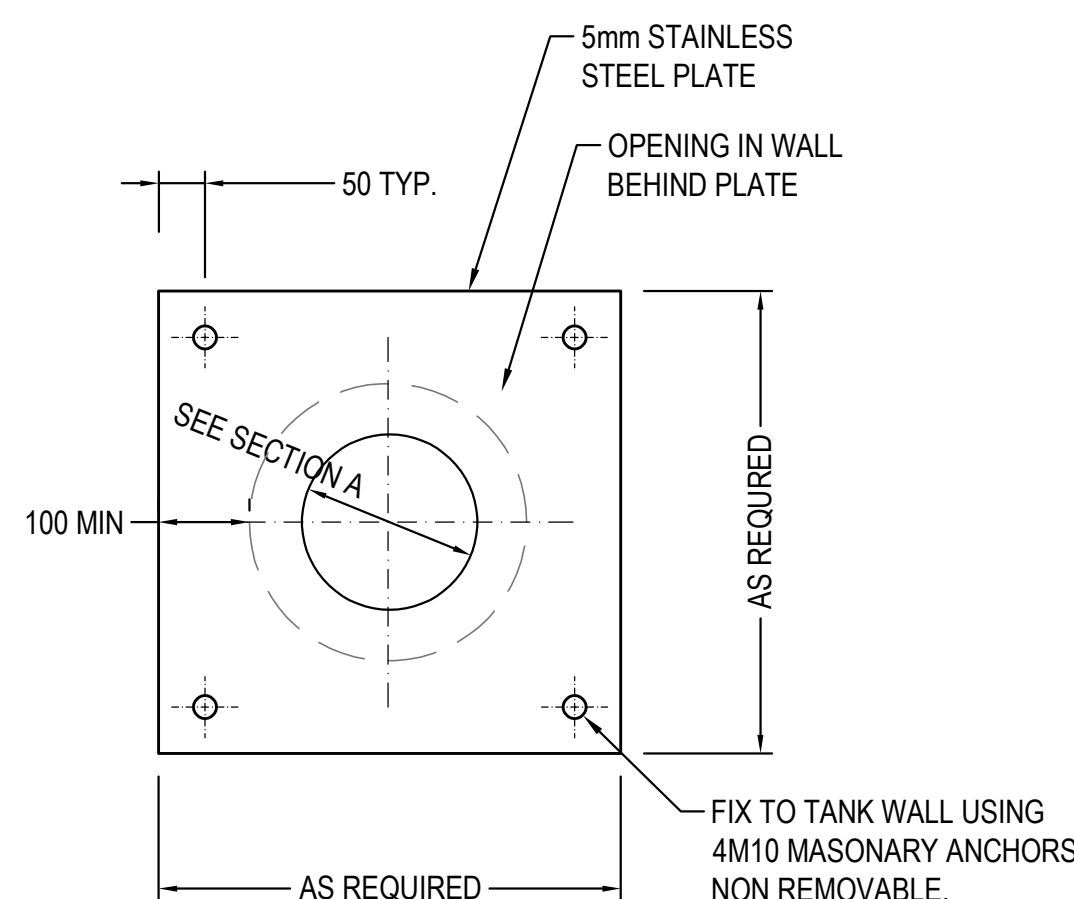
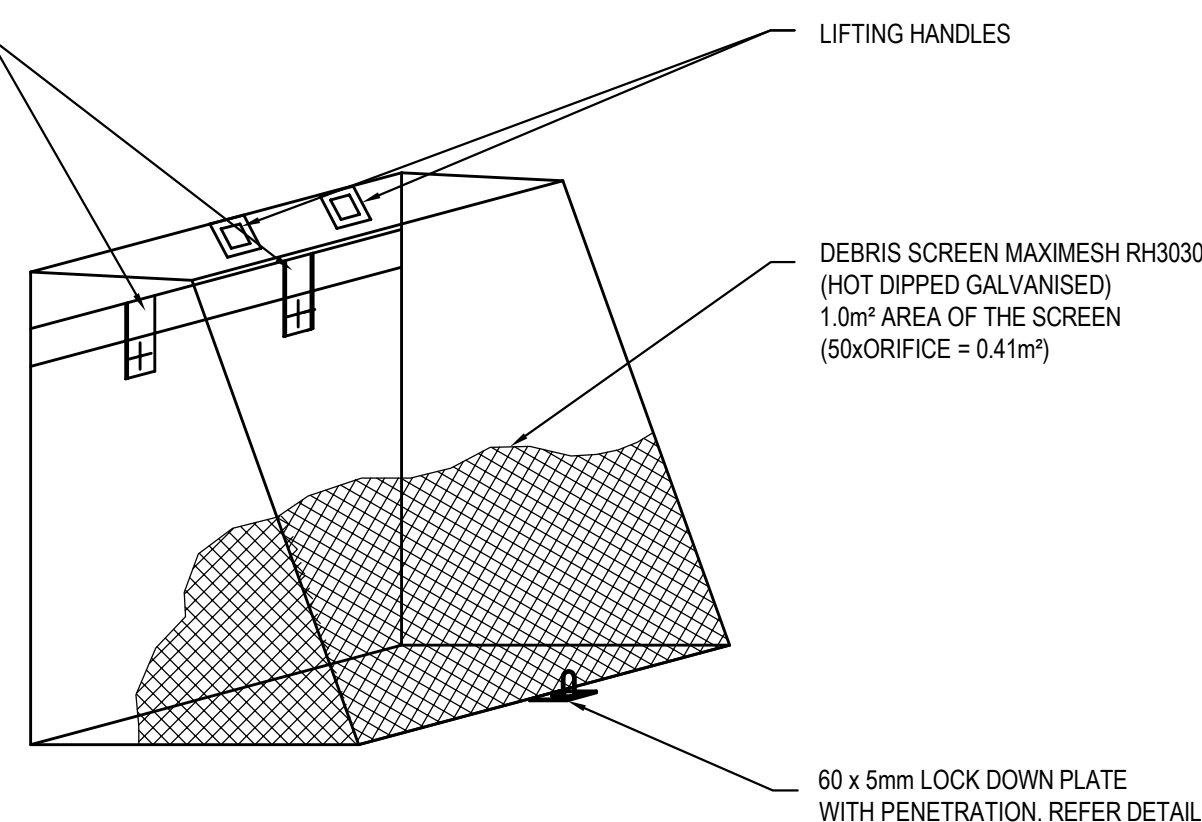
g = 9.81m/s²
h = 20.80 - 19.361 = 1.439
Q = 25l/s
A = 0.008m²
DIAMETER = 0.102mm

OSD CALCULATIONS

PLAN AREA = 417.80m²
ALLOWANCE FOR STRUCTURAL ELEMENTS = 11.6m²
AVERAGE DEPTH = 1.31m
TOTAL VOLUME BELOW 20.80 = 530m³

100 x 16 MOUNTING BAR WITH BRACKETS. SCREEN TO BE ATTACHED (GENERALLY ON A SLIDING MECHANISM) TO THE WALL, BUT SHOULD BE REMOVABLE (WITHOUT THE USE OF TOOLS) TO PERMIT CLEANSING AND EASY INSPECTION OF THE OUTLET CONTROL. ALL STEEL TO BE HOT DIPPED GALVANISED.

MAXIMESH RH3030 IS RECOMMENDED FOR ORIFICES LESS THAN 150mm IN DIAMETER AND SCREEN AREA 50x THE ORIFICE AREA REFER BLACKTOWN CITY COUNCIL STANDARD DRAWINGS FOR DETAILS



CONFINED SPACE DANGER SIGN



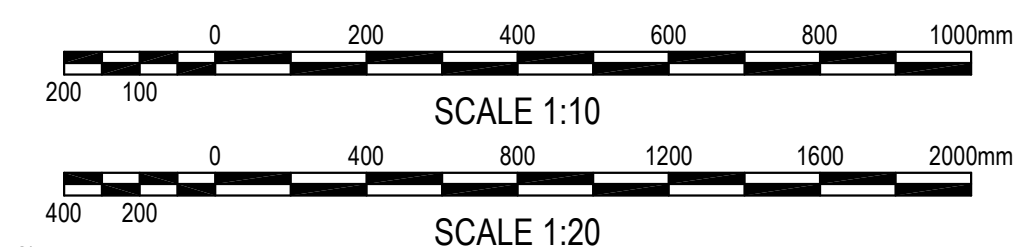
COLOURS: DANGER AND BACKGROUND WHITE
ELLIPTICAL AREA RED
RECTANGLE CONTAINING ELLIPSE BLACK
OTHER LETTERING AND BORDER BLACK

- A) A CONFINED SPACE DANGER SIGN SHALL BE POSITIONED IN A LOCATION SUCH THAT IT IS CLEARLY VISIBLE TO PERSONS PROPOSING TO ENTER THE BELOW GROUND TANKS/ CONFINED SPACE AT ALL ACCESS POINTS OF THE TANK/ CONFINED SPACE.
- B) SIGN TO BE MINIMUM DIMENSIONS:- 300mm x 450mm (LARGE ENTRIES SUCH AS DOORS) 250mm x 180mm (SMALL ENTRIES I.E. GRATES, MANHOLES)
- C) SIGN SHALL BE MANUFACTURED FROM COLOUR BONDED METAL OR POLYPROPYLENE
- D) SIGN SHALL BE AFFIXED TO A SURFACE WITH SCREWS AT EACH CORNER.

OSD SIGN



SIZE: 110mm X 80mm
CORNERS: SQUARE
COLOUR: ETCHED AND FILLED BLACK LEGEND ON NATURAL SILVER BACKGROUND
MATERIAL: ALUMINIUM 0.9MM MILL



ISSUED FOR APPROVAL

SURVEY INFORMATION

SURVEYED BY LCG

DATUM: A.H.D.

ORIGIN OF LEVELS: SSM191370

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
05	ISSUED FOR SSDA APPROVAL ONLY	IK	NW	15.05.2020					
04	ISSUED FOR COORDINATION	IK	NW	08.05.2020					
03	ISSUED FOR SSDA APPROVAL ONLY	IK	NW	24.03.2020					
02	ISSUED FOR TENDER ONLY	KR	NW	24.02.2020					
01	PRELIMINARY	IK	NW	13.02.2020					

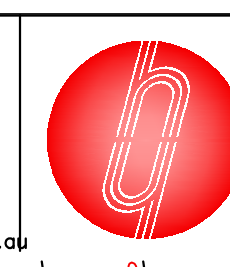
Client
ADCO CONSTRUCTIONS PTY LTD

Architect
NBRS ARCHITECTURE

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Project
**MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW**

Title
OSD TANK SECTIONS AND DETAILS

Drawn
I.Khachab

Designed
N.Wetzlar

Checked
N.Wetzlar

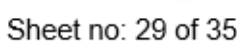
Approved
A.Francis

Date
JUNE 2019

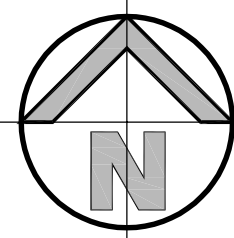
Scale @A1
AS NOTED

Drawing number
19D28_SSDA_C210

Revision
05



2	0
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Planning,
Industry &
Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-9809

Signed: *[Signature]*

Granted on: 17 June 2020

Sheet no: 30 of 35

LEGEND

EXISTING BOUNDARY
OCEAN GUARD PIT BASKET,
200 MICRON MESH PIT
INSERT OR APPROVED
EQUIVALENT

TOTAL SITE AREA: 23947m²

ROOF AREA
AREA= 5916m²
5529m² OF ROOF AREA
DIRECTED TO RWT

IMPERVIOUS AREA
AREA= 9123m²

TOTAL PERVIOUS AREA = 8908m²

TURFED AREA
AREA= 5174m²

LANDSCAPING AREA
PLANTED
AREA= 3069m²

LANDSCAPING AREA
NON PLANTED
AREA= 665m²

CATCHMENT DIRECTED TO JELLYFISH
SYSTEM = 18,654.2m²

1 YEAR FLOW = 0.298m³/S
3 MONTH FLOW = 0.149m³/S
TREATABLE FLOW RATE REQUIRED IN MUSIC = 0.125m³/S

CATCHMENT DIRECTED TO JELLYFISH
SYSTEM (FIELD LOW FLOW DIVERSION
SYSTEM) = 4414.6m²

1 YEAR FLOW = 0.042m³/S
3 MONTH FLOW = 0.021m³/S
TREATABLE FLOW RATE REQUIRED IN MUSIC = 0.125m³/S

CATCHMENT TO BYPASS JELLYFISH
SYSTEM = 878.2m²

REFER TO C251 FOR CATCHMENTS

CATCHMENT PLAN

SCALE 1:400

0 8 16 24 32 40m
SCALE 1:400

SURVEY INFORMATION SURVEYED BY RPS

DATUM: A.H.D.
ORIGIN OF LEVELS: SSM191370

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
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03	ISSUED FOR COORDINATION	JK	NW	08.05.2020					
02	ISSUED FOR SSDA APPROVAL ONLY	KR	NW	24.03.2020					
01	ISSUED FOR TENDER ONLY	KR	NW	24.02.2020					

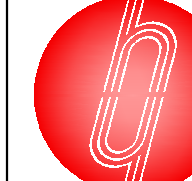
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Architect
NBRS ARCHITECTURE

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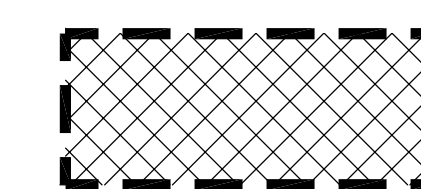
henry&hymas

Project
MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW

Title
CATCHMENT PLAN

Drawn
I.Khachab
Checked
N.Wetzlar
Designed
N.Wetzlar
Approved
A.Francis
Date
JAN 2020
Scale @A1
1:400

Drawing number
19D28_SSDA_C250
Revision
04



ROOF AREA



SURFACE DRAINAGE AREA

----- C1 - CATHCMENT DIRECTED
TO JELLYFISH SYSTEM =
18.654.2m²

1 YEAR FLOW = 0.298m³/S
3 MONTH FLOW = 0.149m³/S

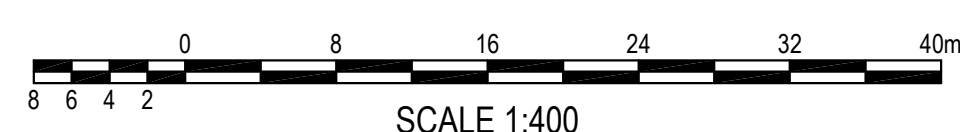
— — — — — C2 - CATCHMENTS DIRECTED
TO JELLYFISH SYSTEM
(FIELD LOW FLOW
DIVERSION SYSTEM) =
4414.6m²

1 YEAR FLOW = $0.042\text{m}^3/\text{S}$
3 MONTH FLOW = $0.021\text{m}^3/\text{S}$

— C3 - CATCHMENT TO BYPASS
JELLYFISH SYSTEM = 878.2m²

DETAIL CATCHMENT PLAN

SCALE 1:400



SURVEY
INFORMATION
SURVEYED BY RPS

DATUM: A.H.D.
ORIGIN OF LEVELS: SSM191370

[illegible]

Client
ADCO CONSTRUCTIONS PTY LTD

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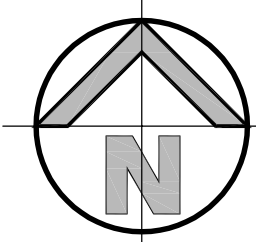


Project
MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW

DETAIL CATCHMENT PLAN

Drawn	Designed	Date
I.Khachab	N.Wetzlar	JAN 2020
Checked	Approved	Scale: 1:1

Drawing number		Revision
19D28_SSDA_C251		04

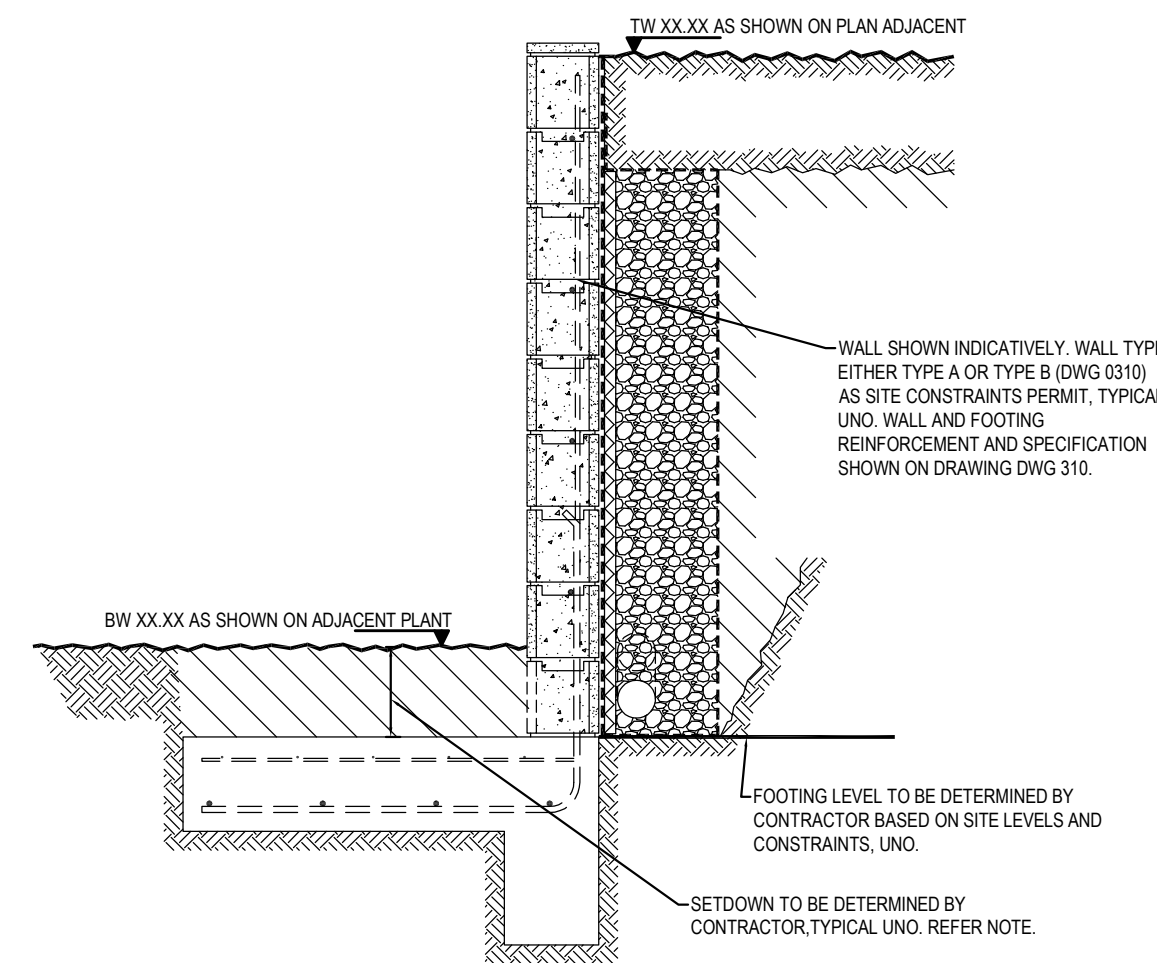


LEGEND

RW PROPOSED 190 BLOCK WORK
RETAINING WALL

RETAINING WALLS NOTES

- DRAINAGE SHALL BE PROVIDED AS SHOWN ON THE DRAINAGE DRAWINGS.
- BACKFILLING SHALL BE CARRIED OUT AFTER GROUT OR CONCRETE HAS REACHED A MINIMUM STRENGTH OF 0.85fc. BACKFILLING SHALL BE APPROVED GRANULAR MATERIAL COMPACTED IN LAYERS NOT EXCEEDING 200mm TO 95% STANDARD COMPACTION UNLESS NOTED OTHERWISE.
- PROVIDE WATERPROOFING TO BACK WALLS AS SPECIFIED OR NOTED.
- WHERE RETAINING WALLS RELY ON CONNECTING STRUCTURAL ELEMENTS FOR STABILITY, DO NOT BACKFILL AGAINST THE WALL UNLESS IT IS ADEQUATELY PROPPED OR THE ELEMENTS HAVE BEEN CONSTRUCTED AND HAVE SUFFICIENT STRENGTH TO WITHSTAND THE LOADS.
- FOR ALL TEMPORARY BATTERS OBTAIN GEOTECHNICAL ENGINEERS RECOMMENDATIONS.



FOOTING SETDOWN AND STEPS TO BE DETERMINED ON-SITE BY CONTRACTOR TO SUIT SITE CONDITIONS AND CONSTRAINTS. IF REQUIRED, CONTACT LANDSCAPE ARCHITECT FOR PLANTING SETDOWN ALLOWANCES AND CIVIL ENGINEER FOR PAVEMENT AND SERVICE SETDOWN ALLOWANCES.

RETAINING WALL PLAN
SCALE 1:400

 **Planning, Industry & Environment**
Issued under the Environmental Planning and Assessment Act 1979
Approved Application no: SSD-9809 Signed: 
Granted on: 17 June 2020 Sheet no: 32 of 35

ISSUED FOR APPROVAL

**SURVEY
INFORMATION**
SURVEYED BY LCG
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM191370

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Client
ADCO CONSTRUCTIONS PTY LTD
Architect
NBR ARCHITECTURE
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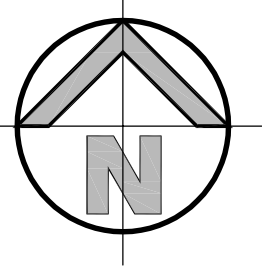
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Project
**MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW**
Title
RETAINING WALL PLAN

Drawn I.Khachab	Designed N.Wetzlar	Date JAN 2020
Checked N.Wetzlar	Approved A.Francis	Scale @A1 1:400
Drawing number 19D28_SSDA_C300		Revision 05



MASONRY CONSTRUCTION:

- B1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3700 AND AS NOTED ON THE DRAWINGS.
- B2 BRICK AND BLOCK COMPRESSIVE STRENGTH (f_{uc}) SHALL BE 15 MPa MINIMUM UNO. STRENGTH GRADE SHALL BE CLEARLY INDICATED ON THE DELIVERY DOCKETS.
- B3 JOINT MORTAR SHALL BE OF CLASS M3 WITH 1:1:6 (CEMENT: LIME: SAND) PROPORTIONS BY VOLUME AND COMPLY WITH AS3700. MORTAR JOINTS SHALL BE 10 mm THICK AND HAVE A MAXIMUM TOOLED DEPTH OF 3 mm UNO.
- B4 NON-LOAD BEARING WALLS SHALL BE SEPARATED FROM THE LOAD-BEARING ELEMENTS BY 15 mm THICK 'CANEITE' OR EXPANDED POLYSTYRENE UNO AT BOTH HORIZONTAL AND VERTICAL FACES.
- NON-LOAD BEARING WALLS SHALL BE TIED TO THE SOFFITS OF BEAMS OR SLABS OVER BY USING 'MET 4-1' TIES (OR APPROVED EQUIVALENT), AT 800 mm MAX. CENTRES, UNO ON THE DRAWINGS, TO MANUFACTURER'S SPECIFICATIONS
- B5 WHERE CONCRETE SLABS BEAR ON UNREINFORCED MASONRY, INCLUDING CLAY BRICKS, RENDER THE BEARING SURFACE OF THE MASONRY WALL WITH 1:3 (CEMENT: SAND) MORTAR TO ACHIEVE A LEVEL SURFACE AND PLACE A PRE-GREASED METAL SLIP JOINT PROTECTED BY 0.2 mm POLYETHYLENE SHEET TAPED TO THE FORMWORK BEFORE PLACING CONCRETE. SPECIAL DETAILS SUCH AS WATER-PROOFING MAY APPLY FOR ROOF SLABS OR SIMILARLY EXPOSED ELEMENTS.
- B6 CONTROL JOINTS

1. CONTROL JOINTS SHALL BE PROVIDED IN MASONRY WALLS AS PER THE TABLE BELOW UNLESS CLOSER SPACINGS ARE SPECIFIED ELSEWHERE IN THE DOCUMENTATION.

MASONRY TYPE	LOCATION	JOINT SIZE (mm)	SPACING (m)
CONCRETE MASONRY	- EXTERNAL	10	7.0
	- EXTERNAL (WITH OPENINGS > 900mm IN HEIGHT)	10	5.0
	- INTERNAL (FACE FINISHED)	10	6.0
	- INTERNAL (RENDERED)	10	5.0
LIGHT-WEIGHT MASONRY	- INTERNAL / EXTERNAL	10	6.0
CLAY MASONRY	- INTERNAL / EXTERNAL	15	6.0 *
	- PARAPET WALLS	15	4.0

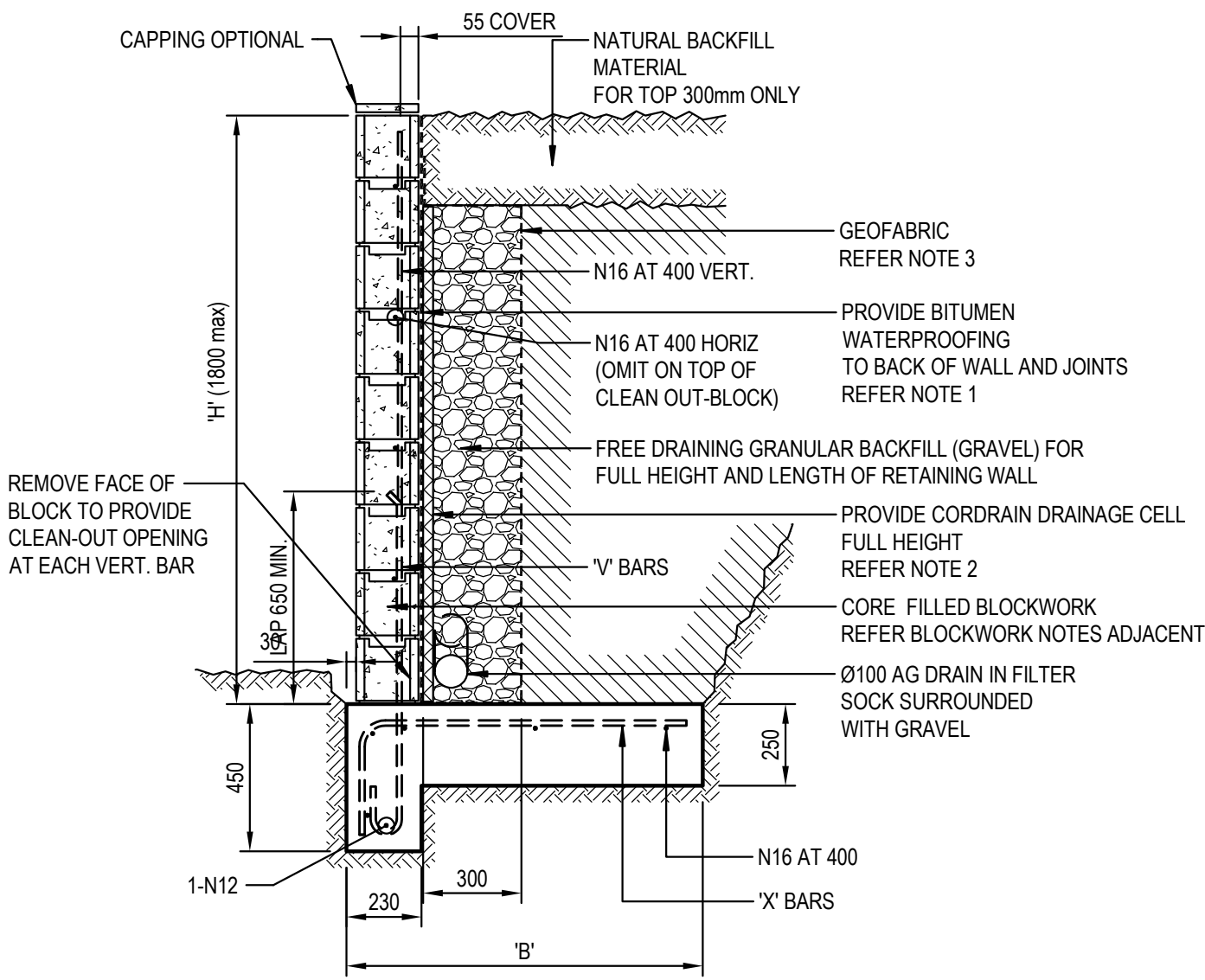
* - FOR REACTIVE 'CLASS M' SITES ONLY, REFER TABLE 4.3 OF AS3700.2011 FOR ARTICULATION JOINTS IN CLAY MASONRY.

2. CONTROL JOINTS SHALL BE PLACED AT HALF THE SPECIFIED SPACING FROM A CORNER. PROVIDE JOINTS TO MATCH JOINTS IN THE SUPPORTING STRUCTURE.
3. CONTROL JOINTS MUST BE KEPT FREE OF MORTAR AND SEALED WITH A POLYETHYLENE FOAM BACKING ROD SQUEEZED INTO THE GAP AND A GUNNED-IN MASTIC SEALANT. IF THE WALL IS TO BE FIRE-RATED, A FIRE-RATED SEALING SYSTEM WILL BE REQUIRED INSTEAD.

B7 BLOCKWORK

1. IN CORE-FILLED BLOCKWORK, EXCESS MORTAR PROTRUDING INTO THE CORES SHALL BE REMOVED BY RODDING AFTER EACH COURSE IS LAID. EVERY CORE FILLED WITH GROUT SHALL HAVE A CLEANOUT BLOCK IN THE BOTTOM COURSE.
2. REINFORCEMENT SHALL BE PLACED AND SECURELY TIED IN POSITION AS SHOWN ON THE DRAWINGS. STARTER BARS SHALL BE HELD IN PLACE BY TYING TO HORIZONTAL BARS AT CLEANOUT BLOCKS. PROVIDE COVER TO REINFORCEMENT AS SHOWN IN THE DETAILS.
3. CORE FILLING GROUT SHALL BE AS NOTED IN CONCRETE NOTES IN LIFTS NO MORE THAN 1200mm IN HEIGHT.

Element	Slump	Max. Agg. Size	Cement Type	Exposure Class/fn.	Min. Conc. Grade (f'c) MPa U.N.O.	Conc. Cover (U.N.O.)
Core Filling Grout	230±30	10	GP	-	20	-



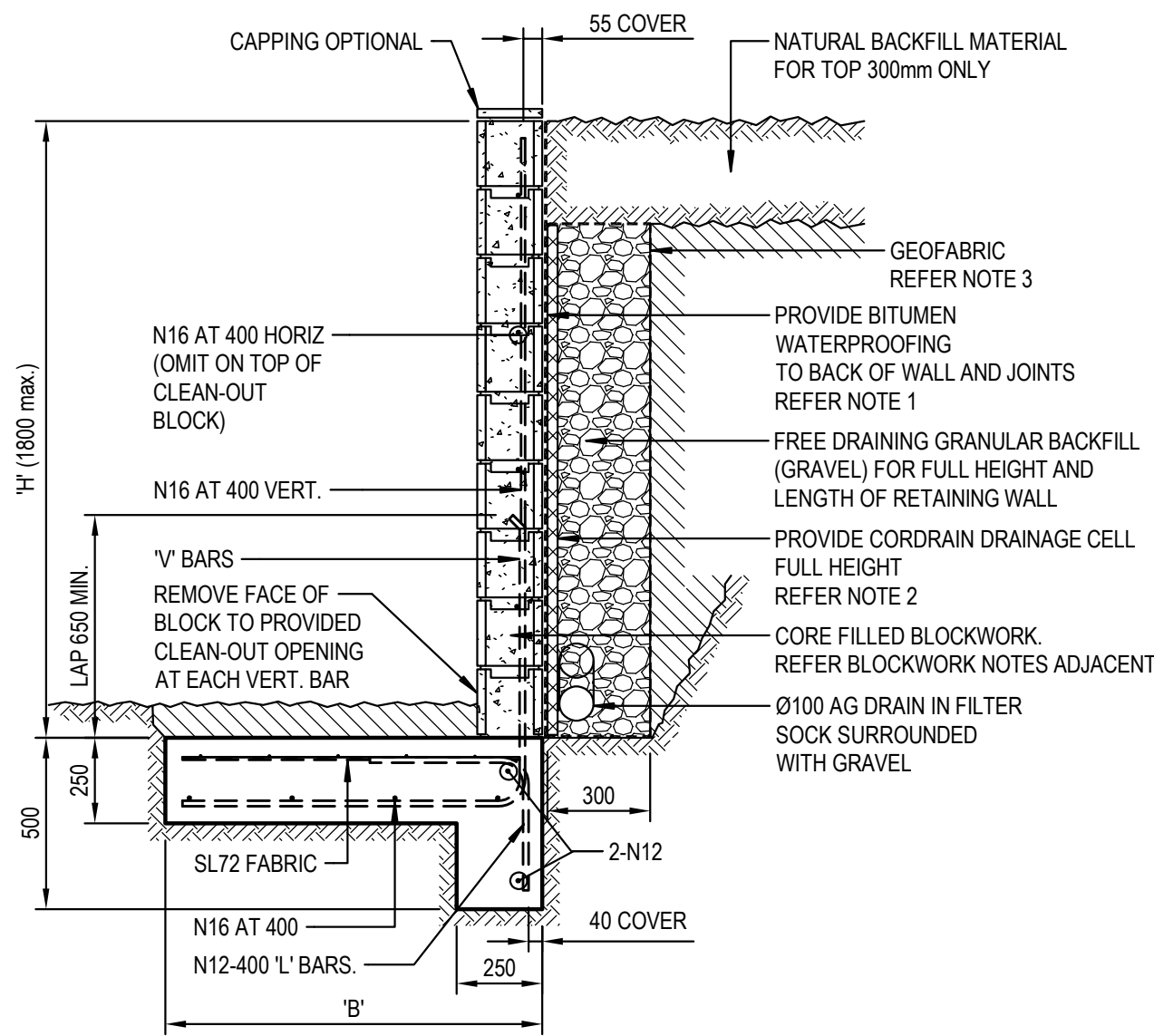
200 SERIES BLOCK WALL - TYPE A

RETAINING WALL SECHEDULE - TYPE A

TOTAL HEIGHT 'H' (mm)	HEIGHT OF BLOCK TYPE			'B' (mm)	'V' & 'X' BARS	'K' BARS
	150 SERIES	200 SERIES	300 SERIES			
800	800	-	-	800	N12 AT 400	-
1000	1000	-	-	900	N12 AT 400	-
1200	1200	-	-	1000	N12 AT 400	-
1400	-	1400	-	1100	N16 AT 400	-
1600	-	1600	-	1200	N16 AT 400	-
1800	-	1800	-	1400	N16 AT 400	-

NOTES:

1. ENSURE REAR FACE OF RETAINING WALL IS FULLY WATERPROOFED. USE EMER-PROOF ECOFLEX OR APPROVED EQUIVALENT IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION. EG: 2 COATS min. APPLIED IN OPPOSITE DIRECTIONS AND ALLOWED TO CURE FOR 7 DAYS. (TO BE CONFIRMED BY THE ARCHITECT)
2. INSTALL FULL HEIGHT DRAINAGE CELL TO REAR OF WALL. USE NYLEX CORDRAIN/18 OR APPROVED EQUIVALENT, AT 1500 CENTRES.
3. PROVIDE GEOFABRIC MATERIAL AS SEPARATION BETWEEN GRANULAR BACKFILL (GRAVEL) AND NATURAL BACKFILL MATERIAL. USE BIDIM A24 OR APPROVED EQUIVALENT.
4. MINIMUM ALLOWABLE BEARING PRESSURE AT BASE = 150 kPa



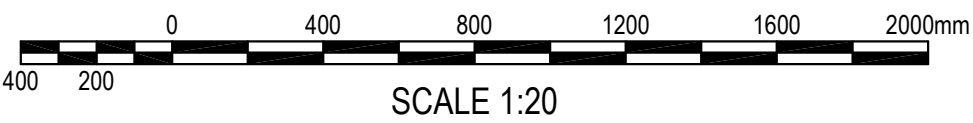
200 SERIES BLOCK WALL - TYPE B

RETAINING WALL SCHEDULE - TYPE B

TOTAL HEIGHT 'H' (mm)	HEIGHT OF BLOCK TYPE		'B' (mm)	'V' & 'X' BARS	'K' BARS
	200 SERIES	300 SERIES			
800	800	-	800	N16 AT 400	-
1000	1000	-	1200	N16 AT 400	-
1200	1200	-	1500	N16 AT 400	-
1400	1400	-	1800	N16 AT 400	-
1600	1600	-	2100	N16 AT 400	-
1800	1800	-	2300	N16 AT 200	-

NOTES:

1. ENSURE REAR FACE OF RETAINING WALL IS FULLY WATERPROOFED. USE EMER-PROOF ECOFLEX OR APPROVED EQUIVALENT IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION. EG: 2 COATS min. APPLIED IN OPPOSITE DIRECTIONS AND ALLOWED TO CURE FOR 7 DAYS. (TO BE CONFIRMED BY THE ARCHITECT)
2. INSTALL FULL HEIGHT DRAINAGE CELL TO REAR OF WALL. USE NYLEX CORDRAIN/18 OR APPROVED EQUIVALENT, AT 1500 CENTRES.
3. PROVIDE GEOFABRIC MATERIAL AS SEPARATION BETWEEN GRANULAR BACKFILL (GRAVEL) AND NATURAL BACKFILL MATERIAL. USE BIDIM A24 OR APPROVED EQUIVALENT.
4. MINIMUM ALLOWABLE BEARING PRESSURE AT BASE = 150 kPa



SURVEY INFORMATION
SURVEYED BY LCG

DATUM: A.H.D.
ORIGIN OF LEVELS: SSM191370

SCALE 1:20



Planning,
Industry &
Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-9809

Signed:

Granted on: 17 June 2020

Sheet no: 33 of 35

ISSUED FOR APPROVAL

Drawn
I.Khachab
Checked
N.Wetzlar
Designed
N.Wetzlar
Approved
A.Francis
Date
JAN 2020
Scale @A1
1:20

Drawing number
19D28_SSDA_C310
Revision
05

Client
ADCO CONSTRUCTIONS PTY LTD
Architect
NBRS ARCHITECTURE

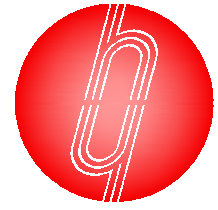
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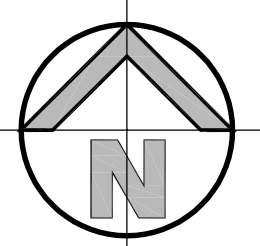
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Project
MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW

Title
RETAINING WALL DETAILS



Planning,
Industry &
Environment

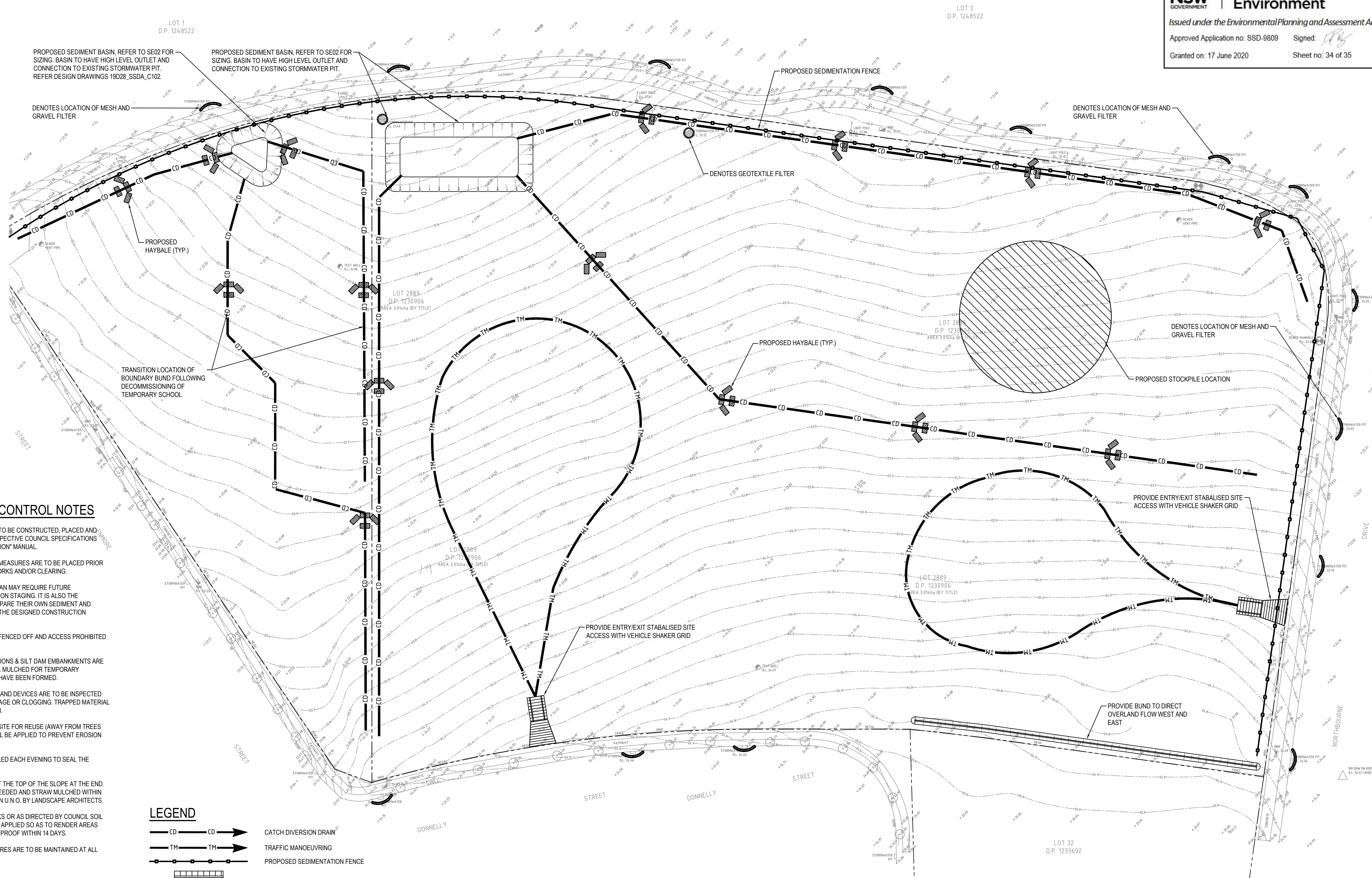
Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-9809

Signed: [Signature]

Granted on: 17 June 2020

Sheet no: 34 of 35



SEDIMENT & EROSION CONTROL NOTES

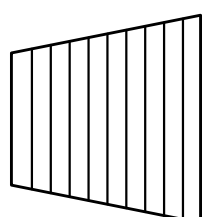
- ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH RESPECTIVE COUNCIL SPECIFICATIONS AND LANDCOM'S 'SOIL AND CONSTRUCTION' MANUAL.
- ALL PERIMETER & SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN EARTH WORKS AND/OR CLEARING.
- THE SEDIMENT & EROSION CONTROL PLAN MAY REQUIRE FUTURE ADJUSTMENT TO REFLECT CONSTRUCTION STAGING. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO PREPARE THEIR OWN SEDIMENT AND EROSION CONTROL PLAN WHICH SUITS THE DESIGNED CONSTRUCTION STAGING.
- FILTRATION BUFFER ZONES ARE TO BE FENCED OFF AND ACCESS PROHIBITED TO ALL PLANT AND MACHINERY.
- ALL TEMPORARY EARTH BERMS, DIVERSIONS & SILT DAM EMBANKMENTS ARE TO BE MACHINE COMPACTED, SEEDED & MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
- ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING. TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE LOCATION.
- ALL TOPSOIL IS TO BE STOCKPILED ON SITE FOR REUSE (AWAY FROM TREES AND DRAINAGE LINES). MEASURES SHALL BE APPLIED TO PREVENT EROSION OF THE STOCKPILES.
- ALL EARTHWORK AREAS SHALL BE ROLLED EACH EVENING TO SEAL THE EARTHWORKS.
- ALL FILLS ARE TO BE LEFT WITH A LIP AT THE TOP OF THE SLOPE AT THE END. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND STRAW MULCHED WITHIN 14 DAYS OF COMPLETION OF FORMATION U.N.O. BY LANDSCAPE ARCHITECTS.
- UPON COMPLETION OF ALL EARTHWORKS OR AS DIRECTED BY COUNCIL SOIL CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14 DAYS.
- EROSION AND SILT PROTECTION MEASURES ARE TO BE MAINTAINED AT ALL TIMES.

LEGEND

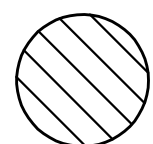
- CD → CD → CATCH DIVERSION DRAIN
- TM → TM → TRAFFIC MANOEUVRING
- ○ ○ ○ PROPOSED SEDIMENTATION FENCE



PROPOSED VEHICLE SHAKER GRID



PROPOSED STABILISED SITE ACCESS



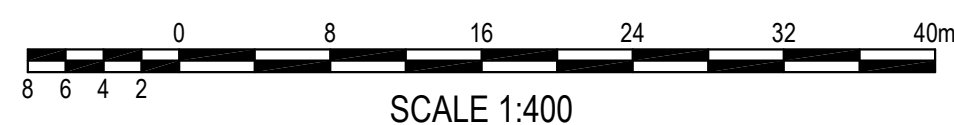
PROPOSED STOCKPILE LOCATION



PROPOSED HAYBALE FILTER

SEDIMENT & EROSION CONTROL PLAN

SCALE 1:400



**SURVEY
INFORMATION**
SURVEYED BY LCG
DATUM: A.H.D.
ORIGIN OF LEVELS: SSM191370

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
05	ISSUED FOR SSDA APPROVAL ONLY	IK	NW	15.05.2020					
04	ISSUED FOR COORDINATION	IK	NW	08.05.2020					
03	ISSUED FOR SSDA APPROVAL ONLY	KR	NW	24.03.2020					
02	ISSUED FOR TENDER ONLY	KR	NW	24.02.2020					
01	PRELIMINARY	IK	NW	13.02.2020					

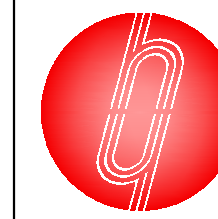
Client
ADCO CONSTRUCTIONS PTY LTD
Architect
NBRS ARCHITECTURE

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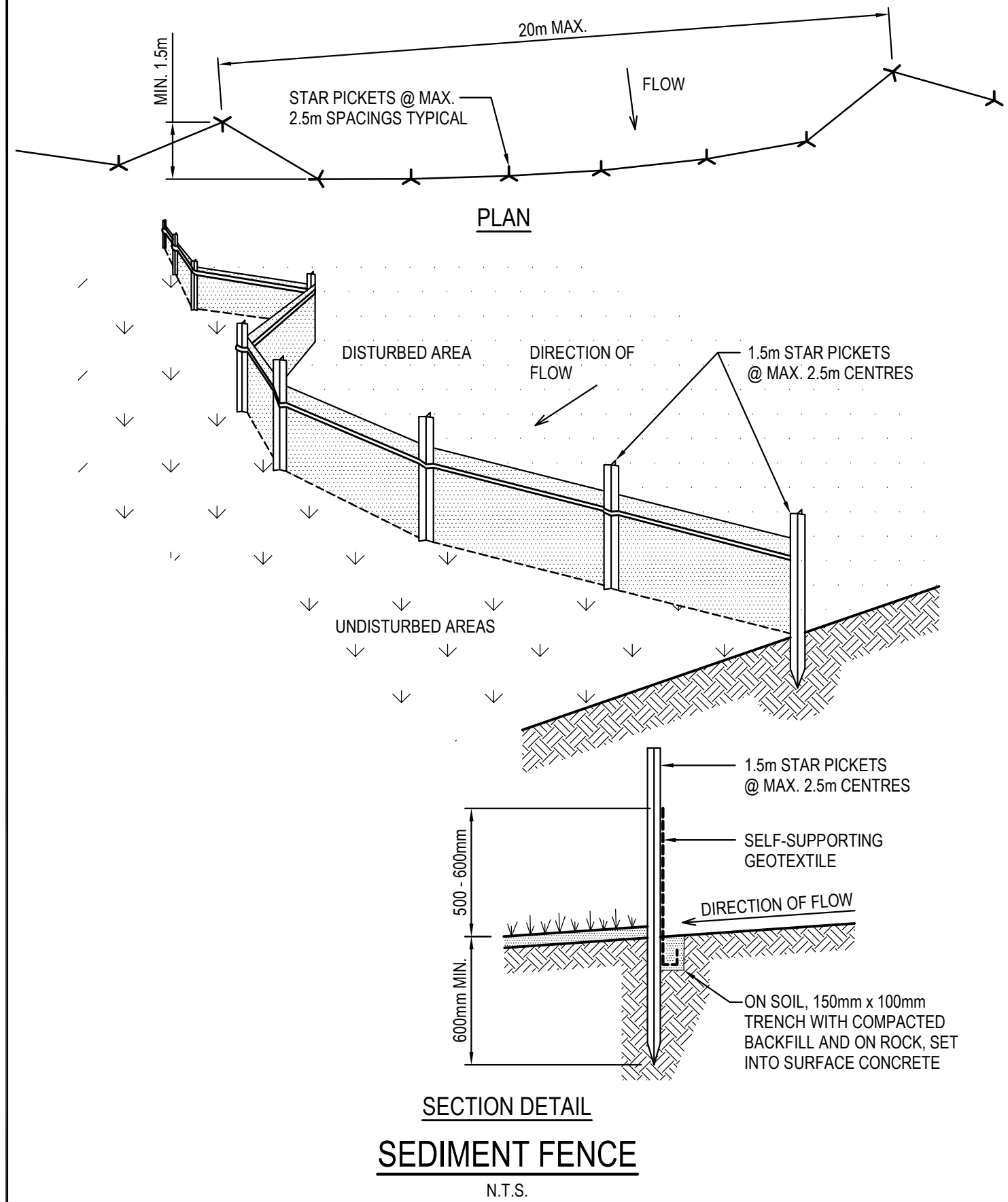


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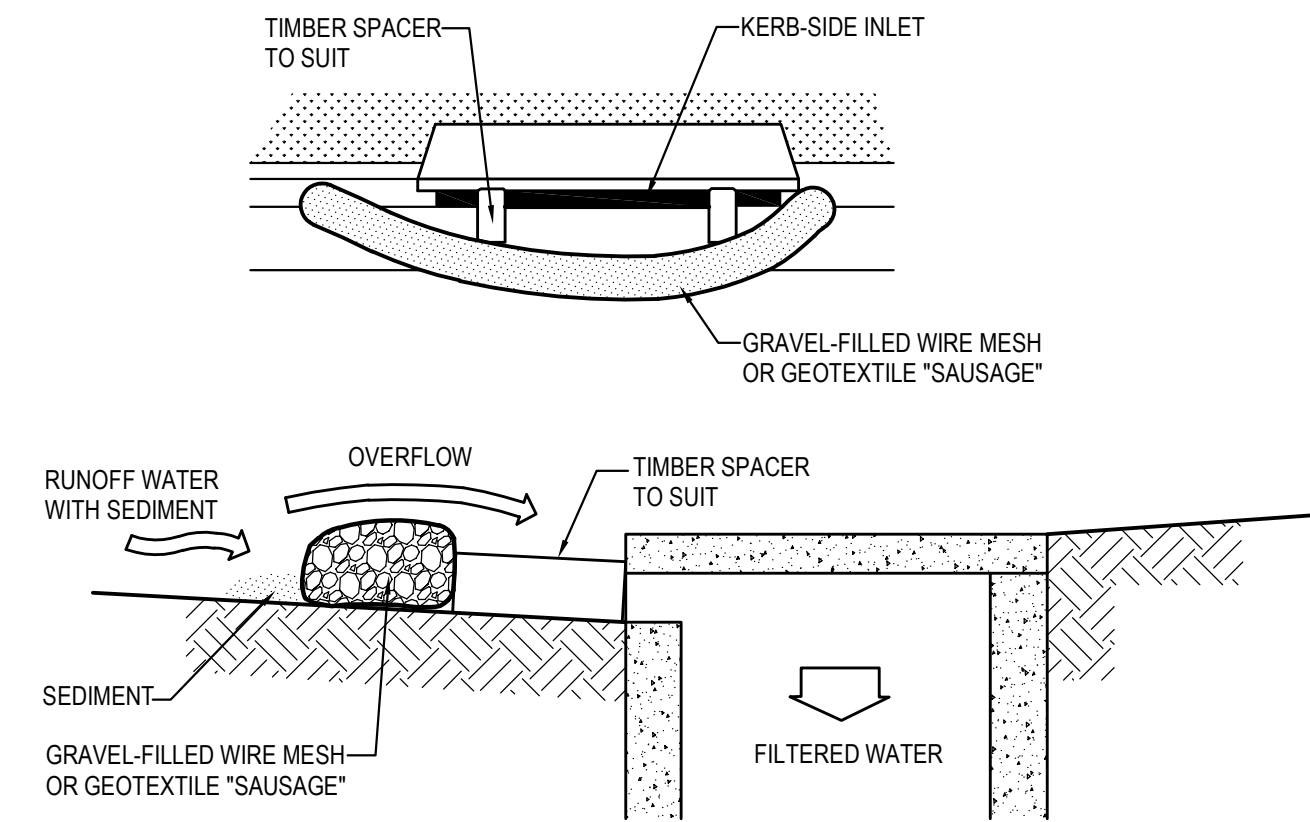
Project
**MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW**
Title
SEDIMENT & EROSION CONTROL PLAN

Drawn I.Khachab	Designed N.Wetzlar	Date JAN 2020
Checked N.Wetzlar	Approved A.Francis	Scale @A1 1:400
Drawing number 19D28_SSDA_SE01	Revision 05	



SEDIMENT FENCE CONSTRUCTION NOTES:

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

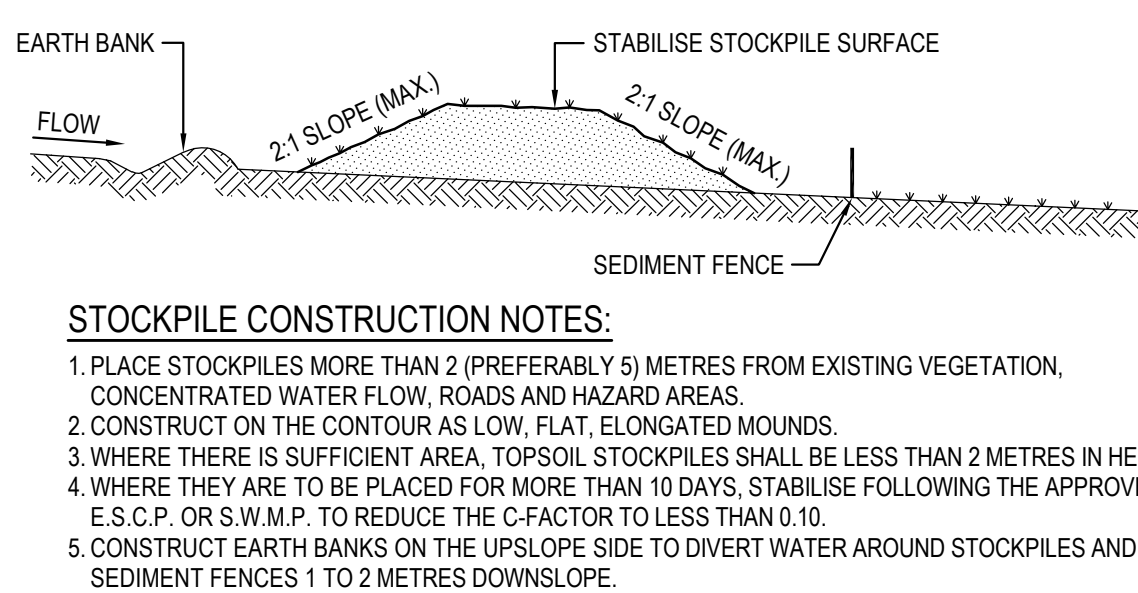


MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:

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

MESH & GRAVEL INLET FILTER

N.T.S.



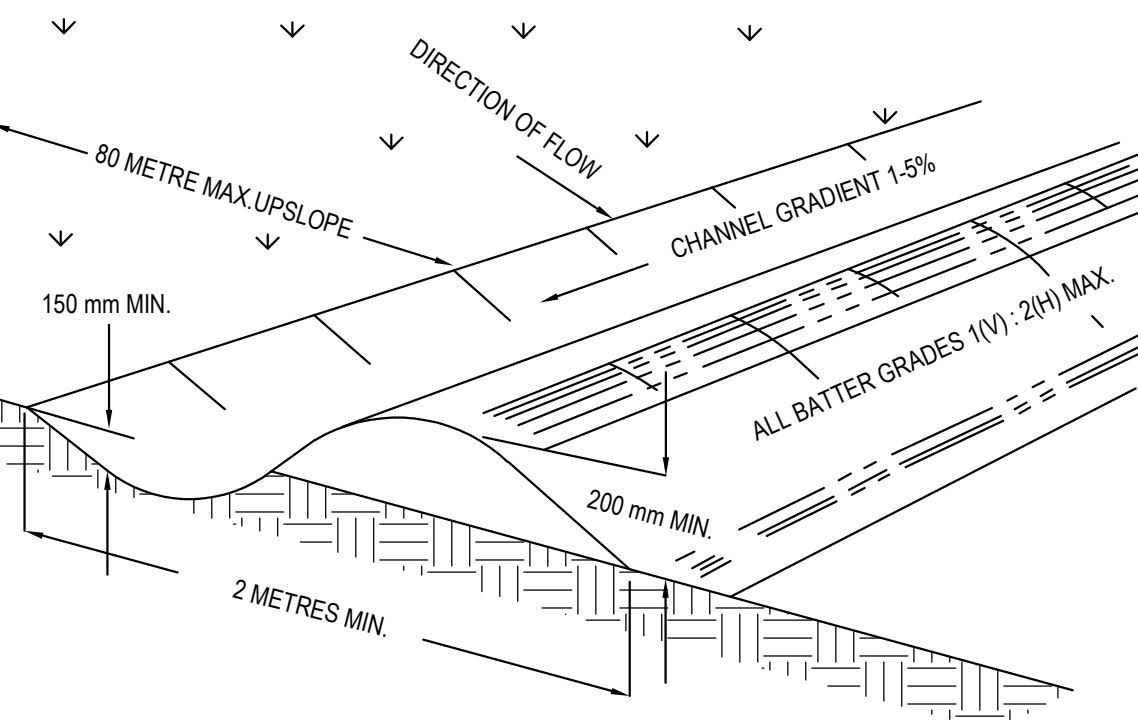
STOCKPILES

N.T.S.

CONSTRUCTION SEQUENCE

WORKS SHALL BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:

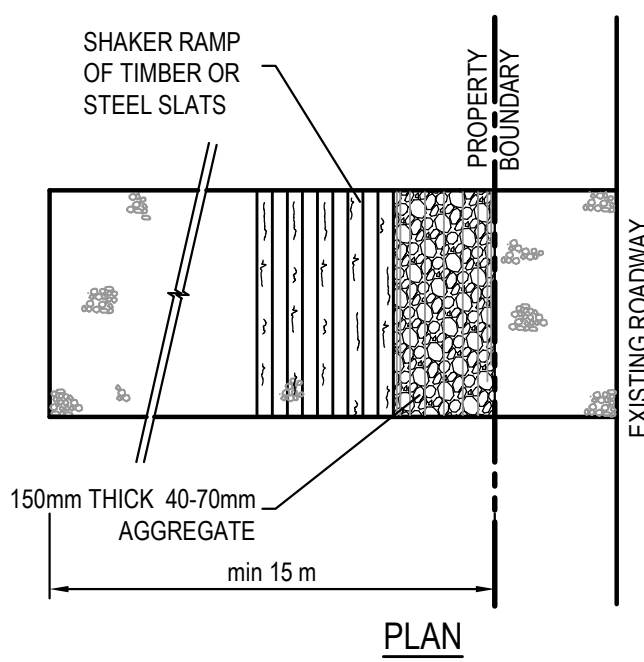
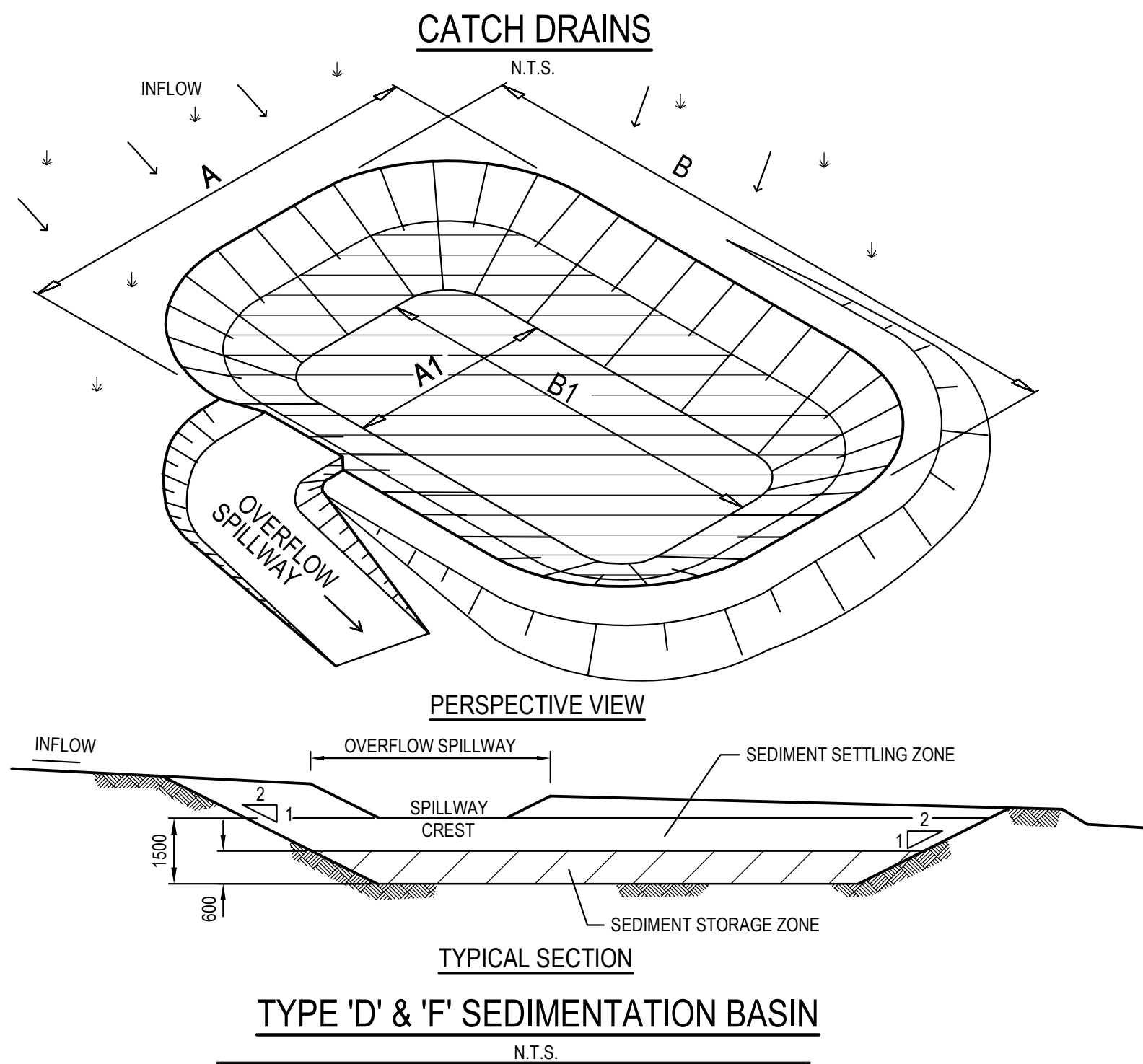
1. INSTALL SEDIMENT FENCING AND CUT DRAINS TO MEET THE REQUIREMENTS OF THE SEDIMENT AND EROSION CONTROL PLAN. WASTE COLLECTION BINS SHALL BE INSTALLED ADJACENT TO SITE OFFICE.
2. CONSTRUCT STABILISED SITE ACCESS IN ACCORDANCE WITH LOCAL COUNCIL'S REQUIREMENTS.
3. REDIRECT CLEAN WATER AROUND THE CONSTRUCTION SITE.
4. INSTALL SEDIMENT CONTROL PROTECTION MEASURES AT ALL NATURAL AND MAN-MADE DRAINAGE STRUCTURES. MAINTAIN UNTIL ALL THE DISTURBED AREAS ARE STABILISED.
5. CLEAR AND STRIP THE WORK AREAS. MINIMISE THE DAMAGE TO THE GRASS AND LOW GROUND COVER OF NON-DISTURBED AREAS.
6. ANY DISTURBED AREAS, OTHER THAN BUILDING PAD AREAS, SHALL IMMEDIATELY BE COVERED WITH SITE TOPSOIL WITHIN 7 DAYS OF CLEARING. BUILDING PAD AREAS SHALL BE COVERED WITH BITUMEN EMULSION AS SPECIFIED.
7. APPLY PERMANENT STABILISATION TO SITE (LANDSCAPING).



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

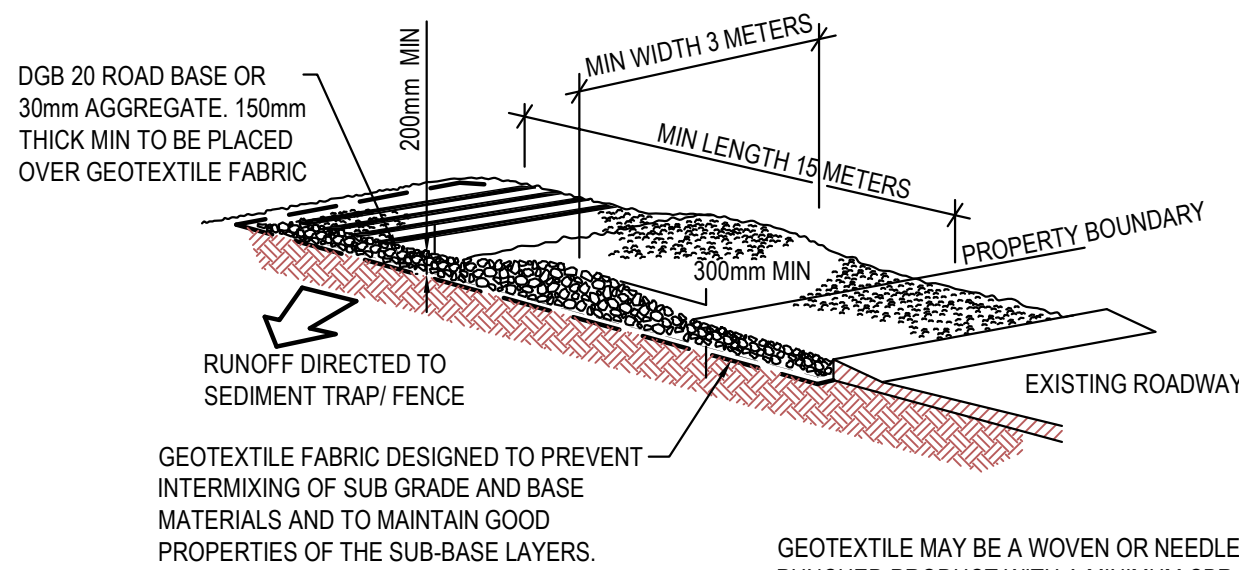
CATCH DRAIN CONSTRUCTION NOTES:

1. CONSTRUCT ALONG GRADIENT AS SPECIFIED.
2. MAXIMUM SPACING BETWEEN BANKS SHALL BE 80 METRES.
3. DRAINS TO BE OF PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V-SHAPED.
4. EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE.
5. CONSTRUCTION IS OF A TEMPORARY NATURE AND SHALL BE COMPACTED AT THE END A DAYS WORK OR IMMEDIATELY PRIOR RAIN.
6. ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO SEDIMENT BASIN OR SIMILAR.
7. DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL AISTE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED.
8. COMPACT 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.



STABILISED SITE ACCESS WITH SHAKER RAMP

CONSTRUCTION SITE

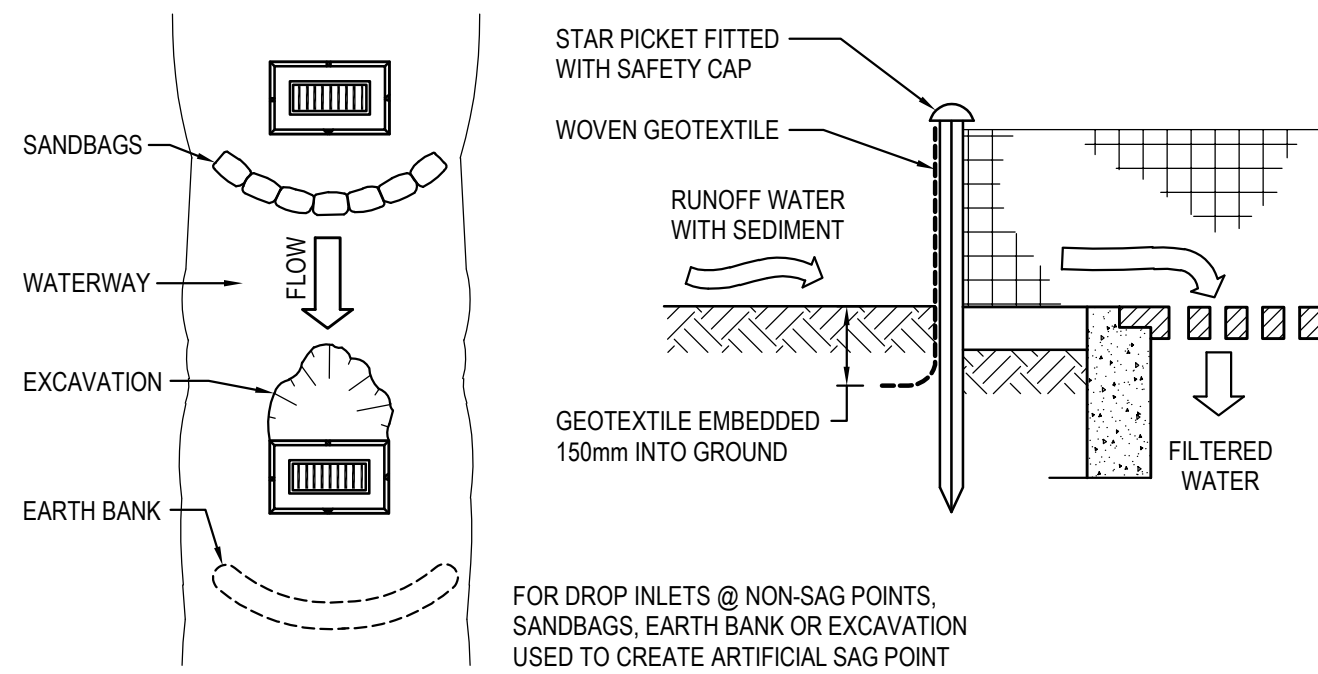
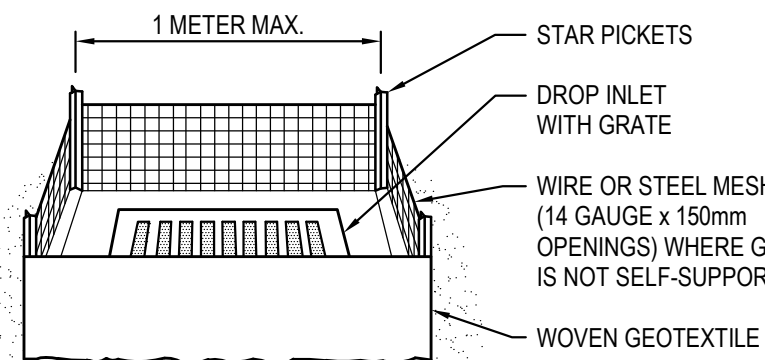


STABILISED SITE ACCESS WITH SHAKER RAMP

N.T.S.

NOTES:

1. THIS DEVICE IS TO BE LOCATED AT ALL EXITS FROM CONSTRUCTION SITE.
2. THIS DEVICE IS TO BE REGULARLY CLEANED OF DEPOSITED MATERIAL SO AS TO MAINTAIN A 50mm DEEP SPACE BETWEEN PLANKS.
3. ANY UNSEALED ROAD BETWEEN THIS DEVICE AND NEAREST ROADWAY IS TO BE TOPPED WITH 100mm THICK 40-70mm SIZE AGGREGATE.
4. ALTERNATIVELY, THREE(3) PRECAST CONCRETE CATTLE GRIDS (AS MANUFACTURED BY *HUMES CONCRETE MAY BE USED. 1, 2 & 3 ABOVE ALSO APPLY.

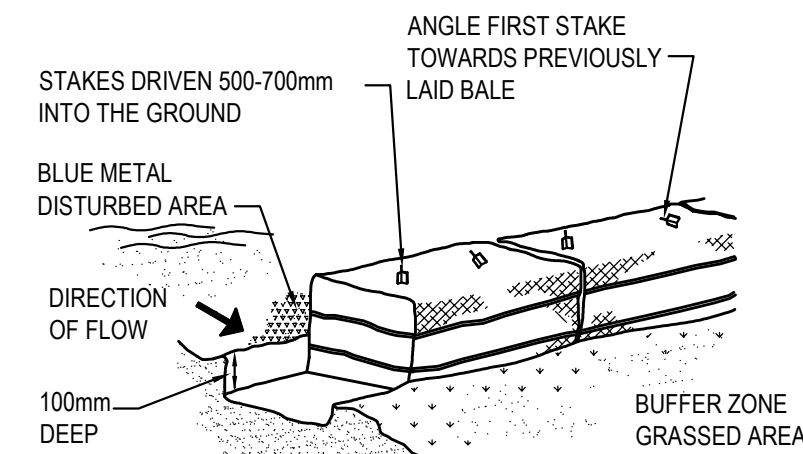


GEOTEXTILE INLET FILTER CONSTRUCTION NOTES:

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE.
2. PICKET SPACING TO BE MAXIMUM 1.0m.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILES UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER

N.T.S.



HAYBALE BARRIERS

N.T.S.

SEDIMENT BASIN SIZING

1. THE SEDIMENT BASIN SHALL BE CONSTRUCTED ON A RATE PER HECTARE BASIS AND HAS BEEN IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDCOM MANUAL "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION", FOR SEDIMENTATION TYPE D SOILS. THE DISTURBED AREA WITHIN THIS CATCHMENT AT ANY ONE TIME SHOULD BE LIMITED TO AN AREA FOR WHICH EACH SEDIMENT BASIN CAN HANDLE. EACH BASIN SHALL BE SIZED IN ACCORDANCE WITH THE TABLE BELOW.

SEDIMENT BASIN SIZING TYPE D SOILS	
VOLUMETRIC RUNOFF COEFFICIENT, CV	0.25 (APPENDIX F - TABLE F2)
75TH PERCENTILE 5 DAY TOTAL RAINFALL DEPTH, R	19.00 mm
CATCHMENT AREA, A	1 Ha (UNIT AREA)
SETTLING ZONE VOLUME (PER HECTARE) 10 CV A R	47.50 m³
DISTURBED CATCHMENT AREA	1 Ha (UNIT AREA)
R K L S P C	110.87 m³
SEDIMENT ZONE VOLUME (0.17 A (R K L S P C)/1.3	14.5m³ < 50% SETTLING VOL.ADOPT 48.3 m³ PER HECTARE
TOTAL SEDIMENT BASIN VOLUME REQUIRED :	71.25 m³/Ha

* (LANDCOM MANAGING URBAN STORMWATER MANUAL REFERENCE)

2. THE FOLLOWING DESIGN PARAMETERS HAVE BEEN ASSESSED FOR THE SITE:

CONSTRAINT	VALUE	(SOURCE)*
RAINFALL EROSIVITY (R-FACTOR)	2350	APPENDIX B
LENGTH/SLOPE GRADIENT FACTOR, LS	0.955	APPENDIX A - TABLE A1
SOIL ERODIBILITY (K-FACTOR)	0.038	(ASSUMED BASED ON SOIL TYPE)
EROSION CONTROL PRACTICE FACTOR (P-FACTOR)	1.3 (COMPACTED)	APPENDIX A - TABLE A2
COVER FACTOR (C-FACTOR)	1.0 (DURING EARTHWORKS)	APPENDIX A - FIGURE A5
CALCULATED SOIL LOSS, A (RUSLE EQUATION)	110.87 t/Ha/YR	A = R K L S P C
SOIL HYDROLOGIC GROUP	GROUP C	(ASSUMED BASED ON SOIL TYPE)
SEDIMENT TYPE	TYPE D	(ASSUMED BASED ON SOIL TYPE)
75TH PERCENTILE 5-DAY RAINFALL EVENT	19.0 mm (BLACKTOWN)	TABLE 6.3A

* (LANDCOM MANAGING URBAN STORMWATER MANUAL REFERENCE)

BASIN MANAGEMENT

1. THE CAPTURED STORMWATER IN THE SETTLING ZONE SHOULD BE DRAINED TO MEET THE MINIMUM STORAGE CAPACITY REQUIRED WITHIN A FIVE (5) DAY PERIOD FOLLOWING RAINFALL, PROVIDED THE ACCEPTABLE WATER QUALITY (NFR) AND TURBIDITY HAVE BEEN ACHIEVED.
2. CHEMICAL FLOCCULENT SUCH AS GYPSUM MAY BE DOSED TO AID SETTLING WITHIN 24 HOURS OF CONCLUSION OF EACH STORM. THE APPLIED DOSING RATES SHOULD ACHIEVE THE TARGET QUALITY WITHIN 36 TO 72 HOURS OF THE STORM EVENT.
3. INSPECT THE SEDIMENT BASINS AFTER EACH RAINFALL EVENT AND/OR WEEKLY. ENSURE THAT ALL SEDIMENT IS REMOVED ONCE THE SEDIMENT STORAGE ZONE IS FULL (REFER TO PEGS INSTALLED IN BASINS IN ACCORDANCE WITH THE SWMP). ENSURE THAT OUTLET AND EMERGENCY SPILLWAY WORKS ARE MAINTAINED IN A FULLY OPERATIONAL CONDITION AT ALL TIMES.

SOWING SEASON	SEED MIX
AUTUMN/WINTER	OATS@40KG/Ha + JAPANESE MILLET@10kg/Ha
SPRING/SUMMER	OATS@20kg/Ha + JAPANESE MILLET@20kg/Ha

NOTE : THESE PLANT SPECIES ARE FOR TEMPORARY REVEGETATION ONLY. THEY WILL ONLY PROVIDE PROTECTION FROM EROSION FOR SIX MONTHS. WHERE THE LOTS ARE TO BE LEFT UNDEVELOPED FOR A LONGER PERIOD, THE CONTRACTOR SHALL SEEK ADVICE FROM THE SITE SUPERINTENDENT AS TO MORE APPROPRIATE REVEGETATION METHODS.

REVEGETATION IN ACCORDANCE WITH THE ABOVE TABLE WILL BE ENHANCED BY ADDING LIME AT A RATE OF 4kg/TONNE OF TOPSOIL AND 7.5kg/TONNE OF SUBSOIL.

4. THE LONG TERM GROUND COVER FACTORS FOR THE CONSTRUCTION WORKS IS NOT TO EXCEED THE FOLLOWING LIMITS:

LAND	MAXIMUM C-FACTOR	REMARKS
WATERWAYS AND OTHER AREAS OF CONCENTRATED FLOWS, POST CONSTRUCTION	0.05	APPLIES AFTER TEN WORKING DAYS OF COMPLETION OF FORMATION AND BEFORE CONCENTRATED FLOWS ARE APPLIED. FOOT AND VEHICULAR TRAFFIC IS PROHIBITED IN THIS AREA AND 70% GROUND COVER IS REQUIRED.
STOCKPILES, POST CONSTRUCTION	0.10	APPLIES AFTER TEN WORKING DAYS FROM COMPLETION OF FORMATION. 60% GROUND COVER IS REQUIRED.
ALL LANDS, INCLUDING WATERWAYS AND STOCKPILES, DURING CONSTRUCTION.	0.15	APPLIES AFTER 20 DAYS OF INACTIVITY, EVEN THOUGH WORKS MAY BE INCOMPLETE. 50% GROUND COVER IS REQUIRED.

ISSUED FOR APPROVAL

SURVEY INFORMATION SURVEYED BY LCG DATUM: A.H.D. ORIGIN OF LEVELS: SSM191370																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</
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