

1 SITE ANALYSIS PLAN
1 : 750



Planning,
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Approved Application no: SSD-9809 Signed: 

Granted on: 17 June 2020 Sheet no: 1 of 35

| 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 |

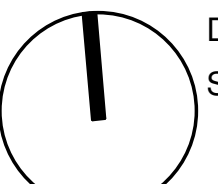
Drawing Title
SITE ANALYSIS

Project
NEW MARSDEN PARK PUBLIC SCHOOL
at
Marsden Park NSW 2765



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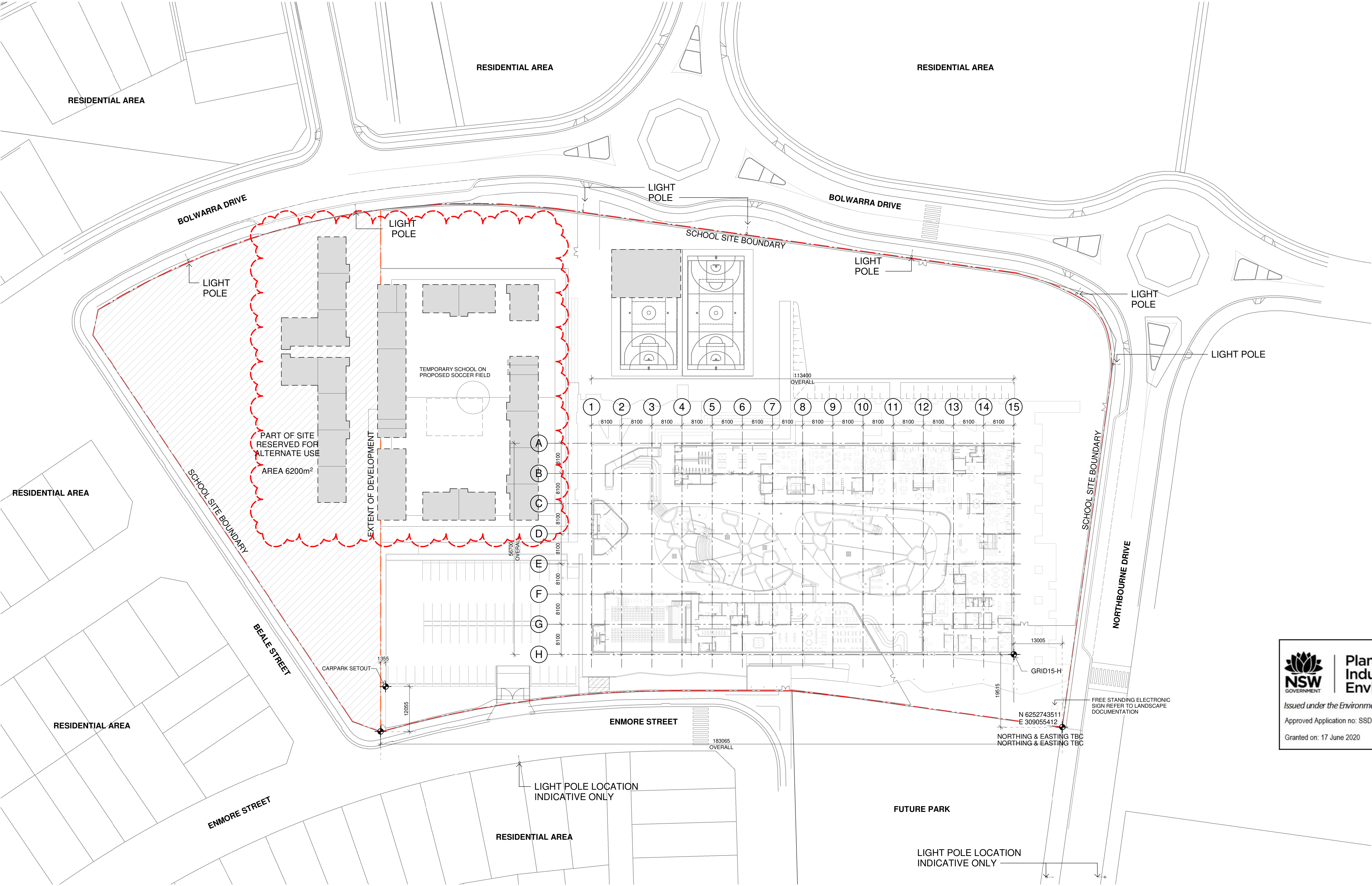


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Drawing Reference
19154-NBRS-A-012

Revision
F

0 7.5m 15m 22.5m 30m 37.5m 45m 52.5m 60m 1:750





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

1 BUILDING SETOUT PLAN
1 : 500

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| 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 |

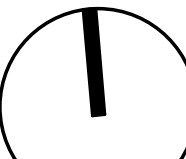
Drawing Title
SITE PLAN - BUILDING SETOUT

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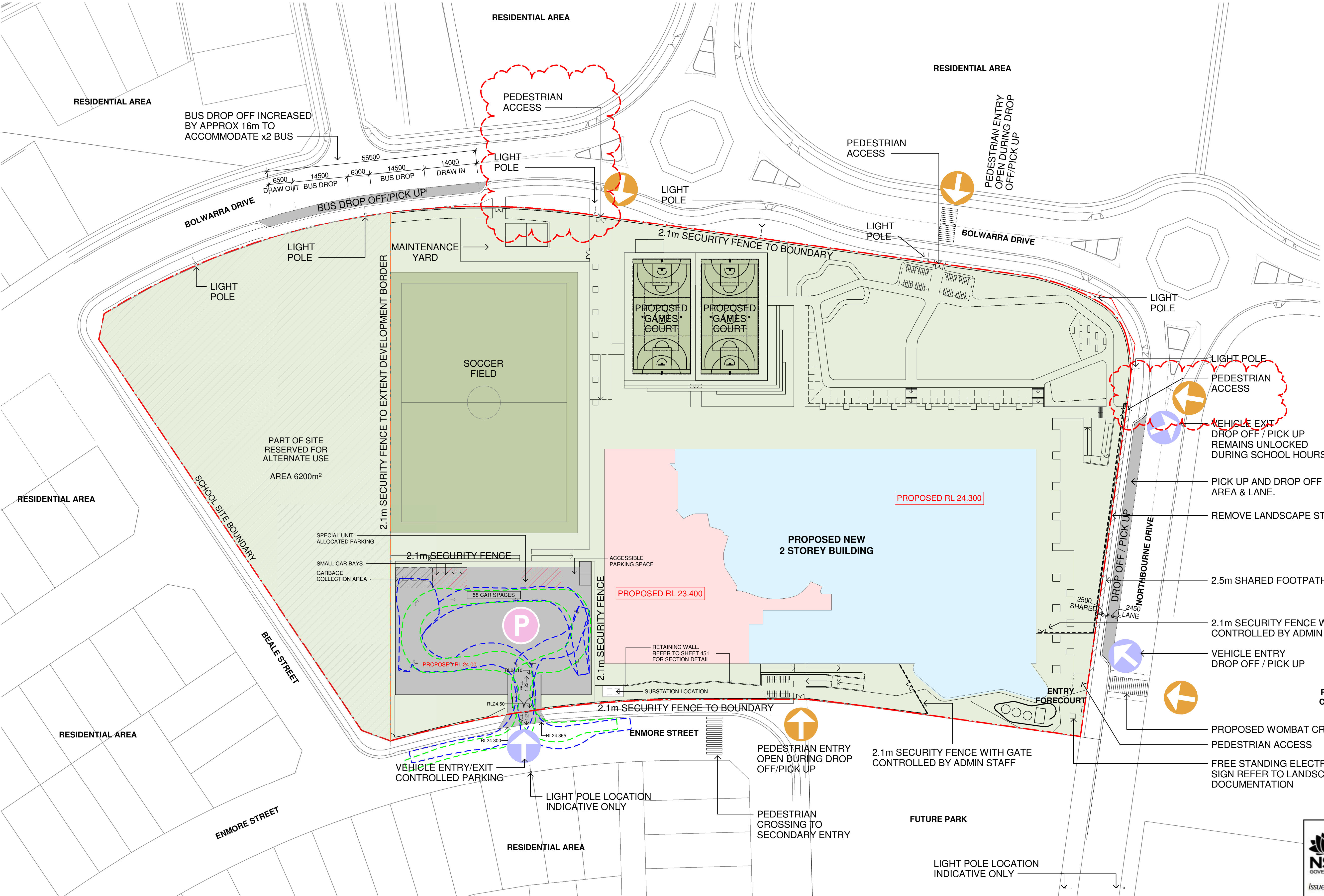
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Drawing Reference
19154-NBRS-A-050

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

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| 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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19154-NBRSEARCHITECTURE-A-051

Revision
I

Date 8/05/2020 4:39:32 PM
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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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Drawing Title
SITE PLAN - TEMPORARY SCHOOL LAYOUT

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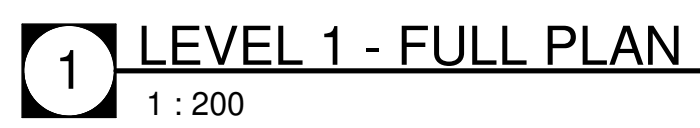
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19154-NBRSEARCHITECTURE-A-052

Revision
G




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



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Granted on: 17 June 2020

Sheet no: 5 of 35

Project
NEW MARSDEN PARK PUBLIC
SCHOOL
at
Marsden Park NSW 2765

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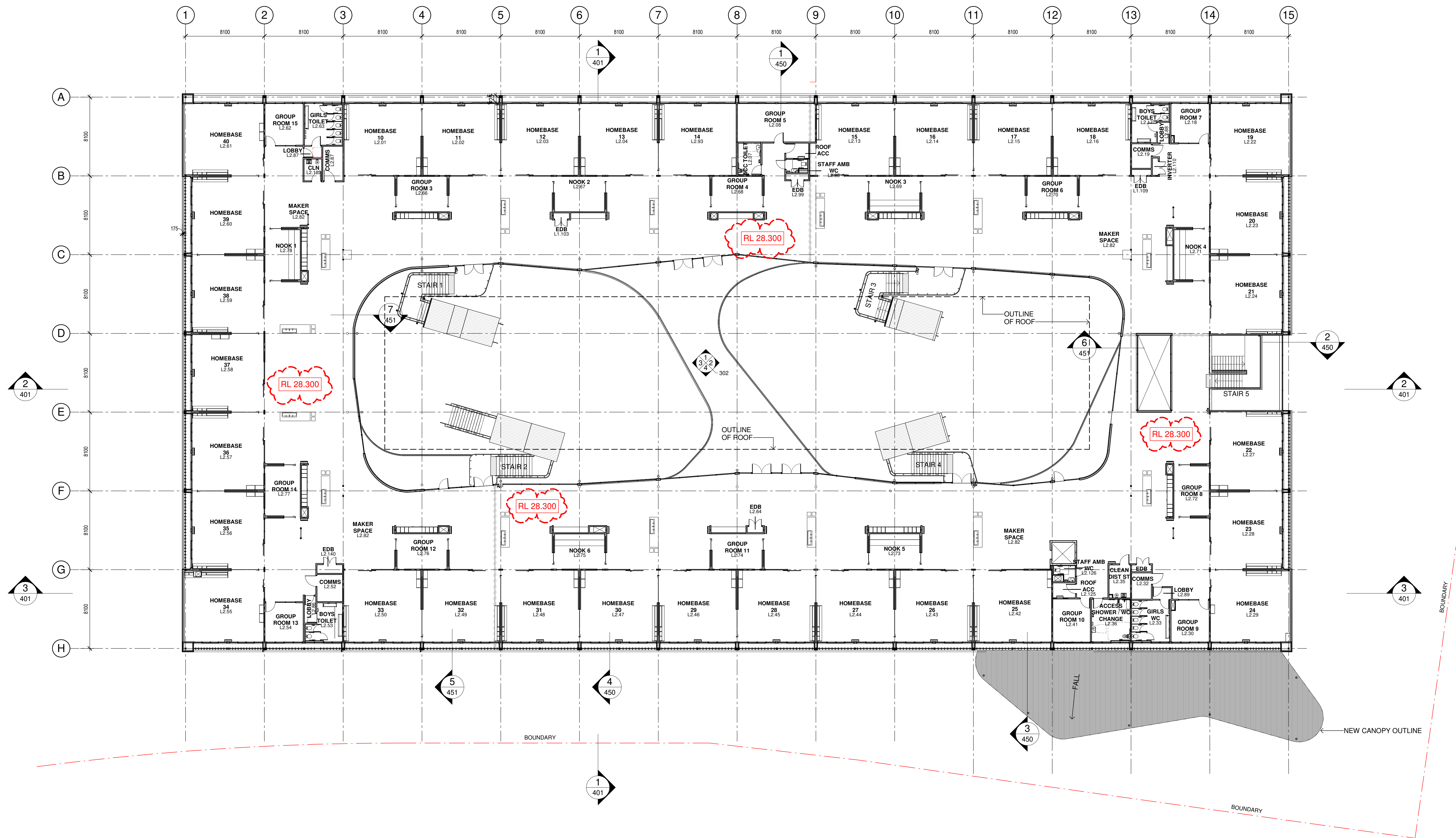
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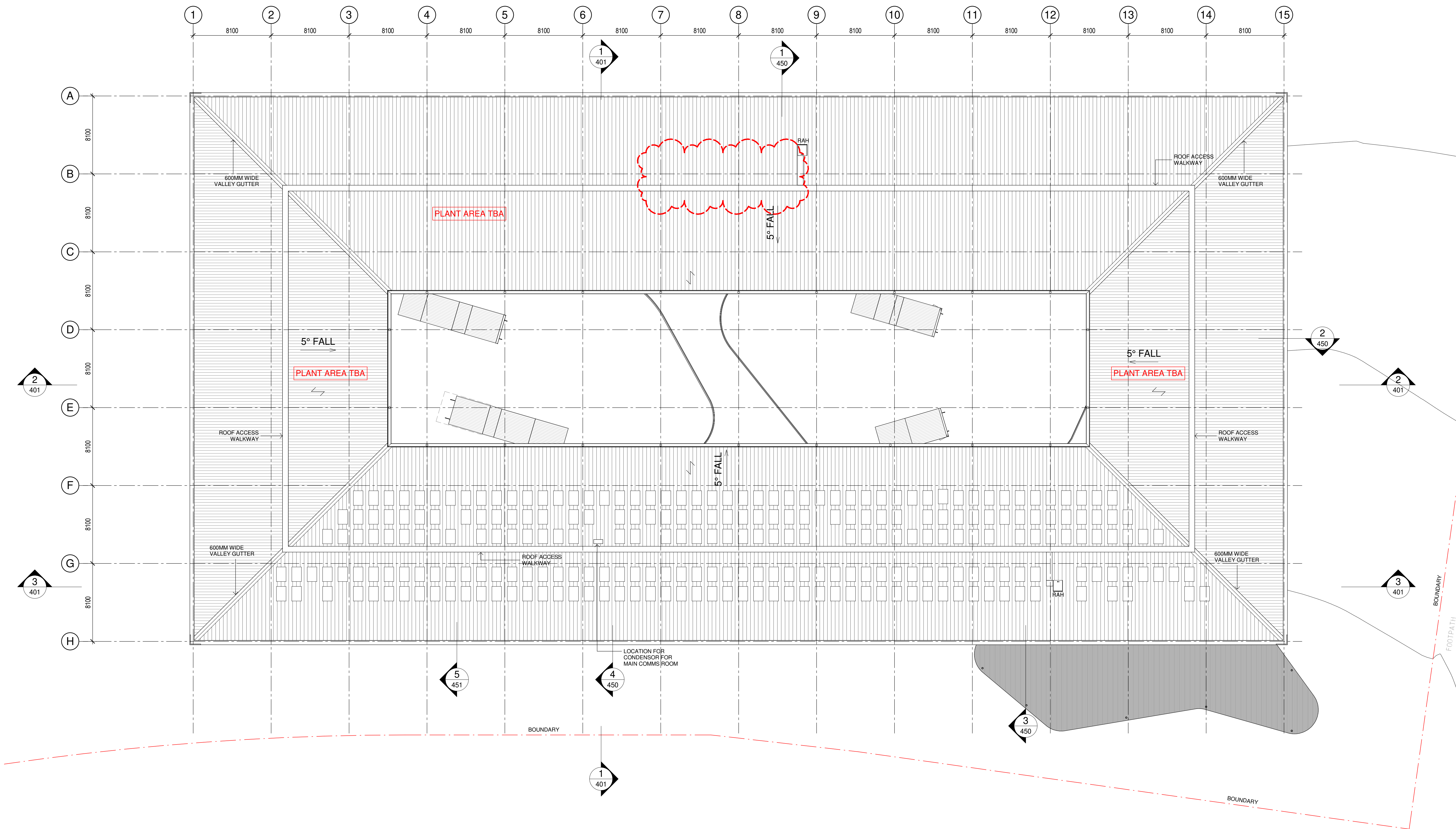
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| Drawing Reference | Revision |
| 19154-NBRS-A-100 | C |

vision

C



1 LEVEL 2 - FULL PLAN
1 : 200



| Issue No. | Date | Description | Chkd |
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| A | 16/08/2019 | SSD APPLICATION | AM |
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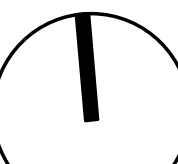
Drawing Title
ROOF PLAN

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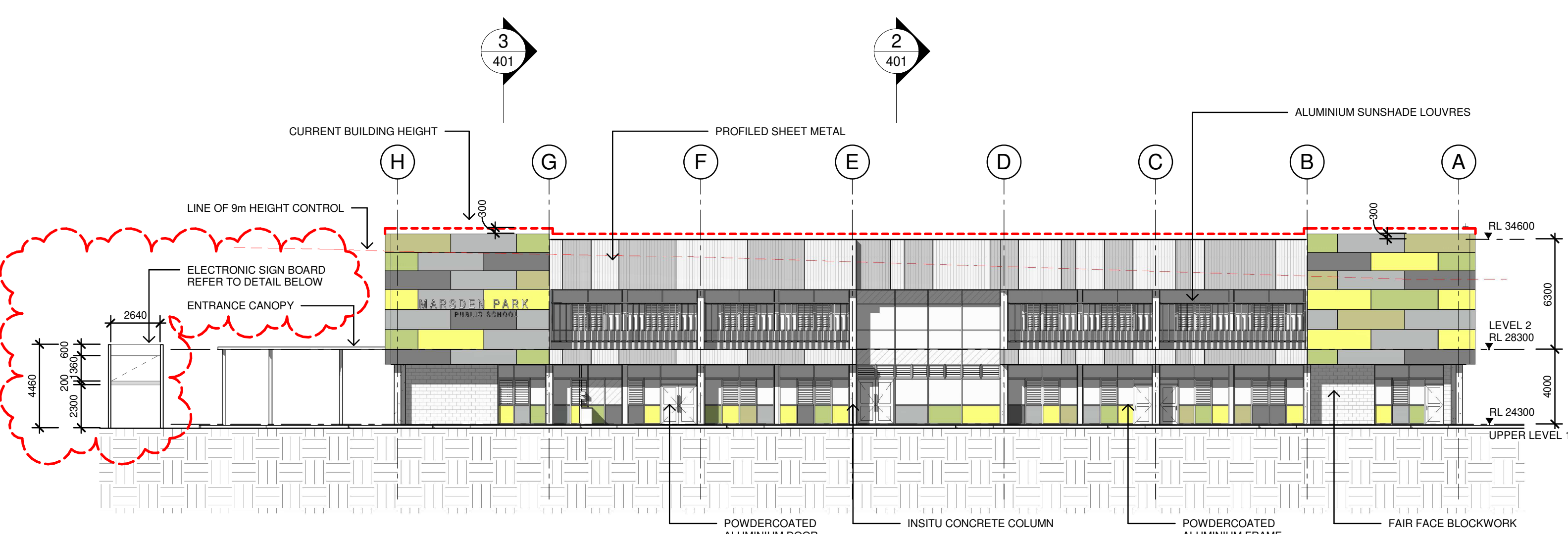
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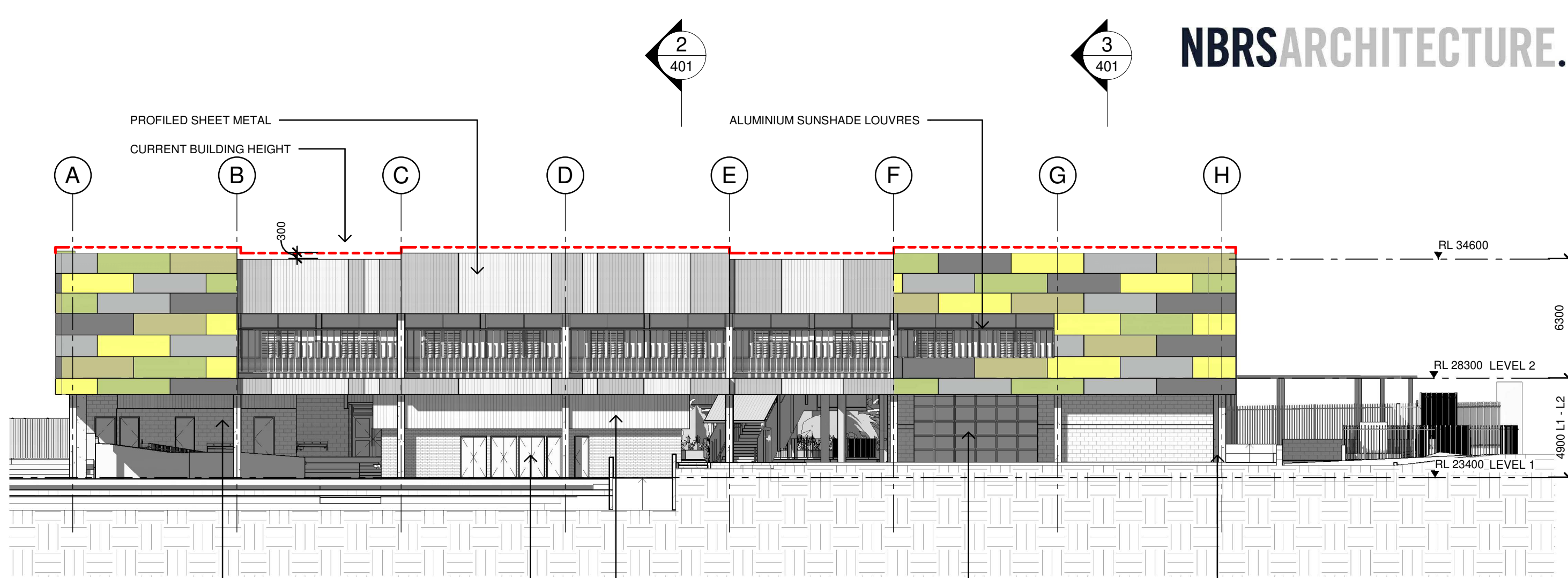
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Drawing Reference
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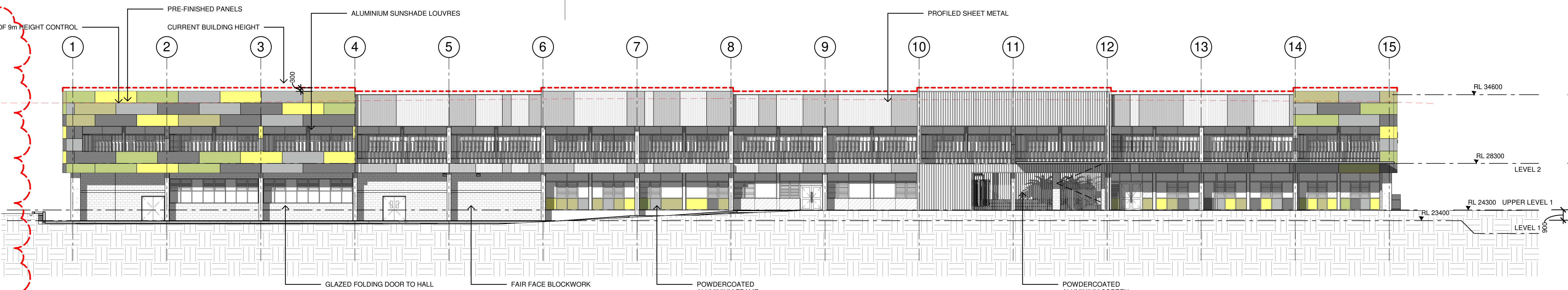
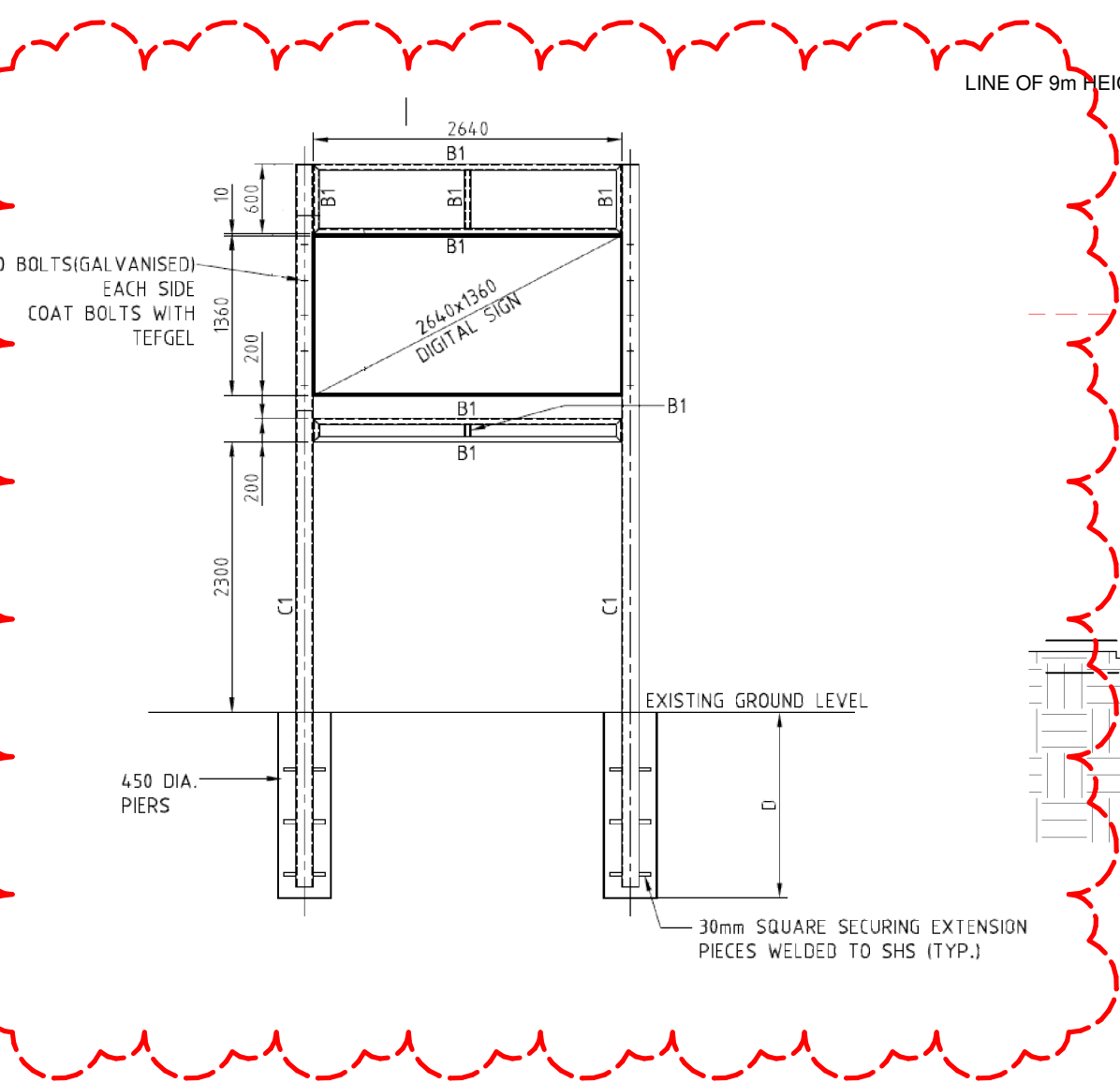
Revision
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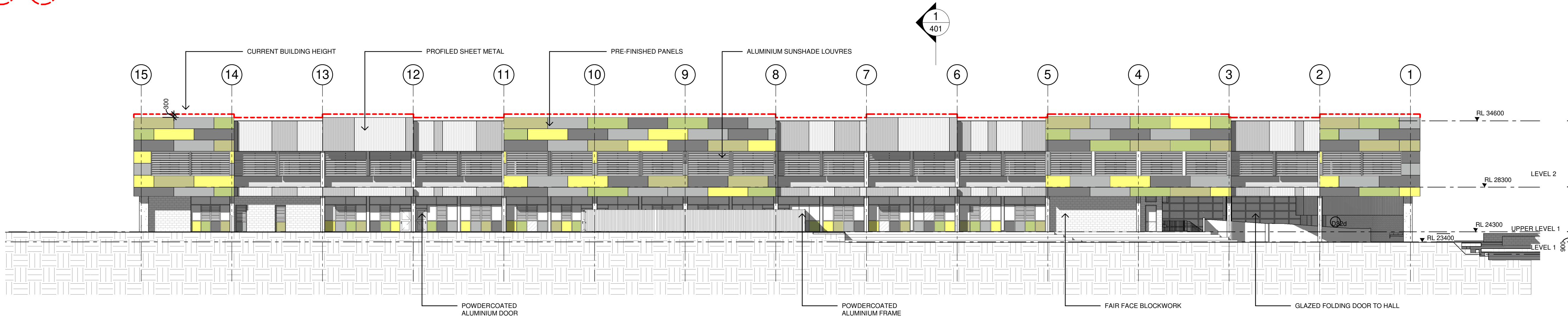
1 EAST ELEVATION
1 : 200



2 WEST ELEVATION
1 : 200



3 SOUTH ELEVATION
1 : 200



4 NORTH ELEVATION
1 : 200

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| C | 05/03/2020 | SSD APPLICATION - REVISED | AH |
| D | 20/03/2020 | SSD APPLICATION - REVISED | AH |

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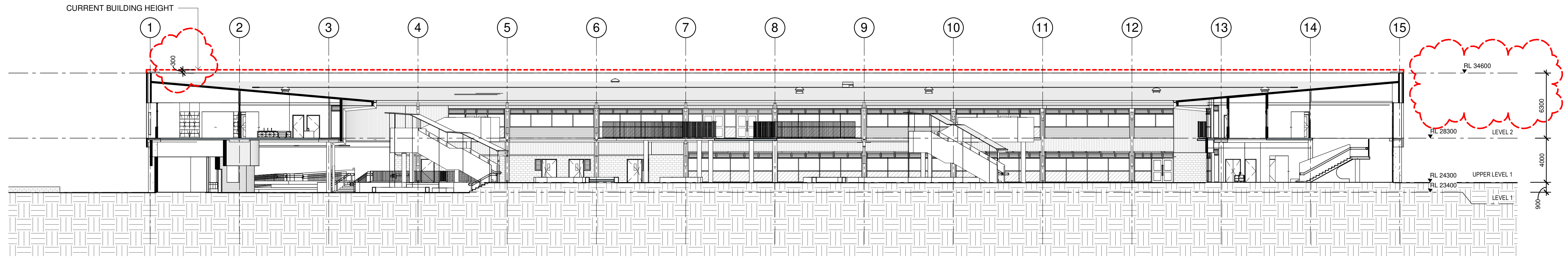
Drawing Title
BUILDING ELEVATIONS

Project
NEW MARSDEN PARK PUBLIC SCHOOL
at
Marsden Park NSW 2765

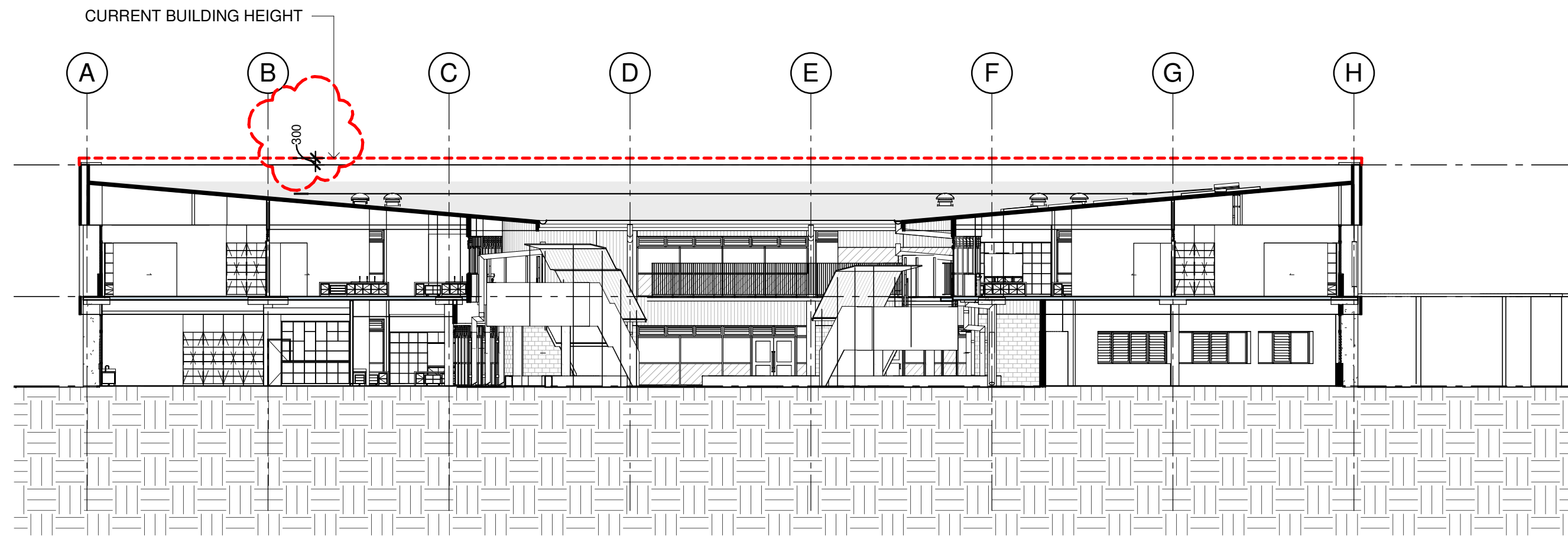
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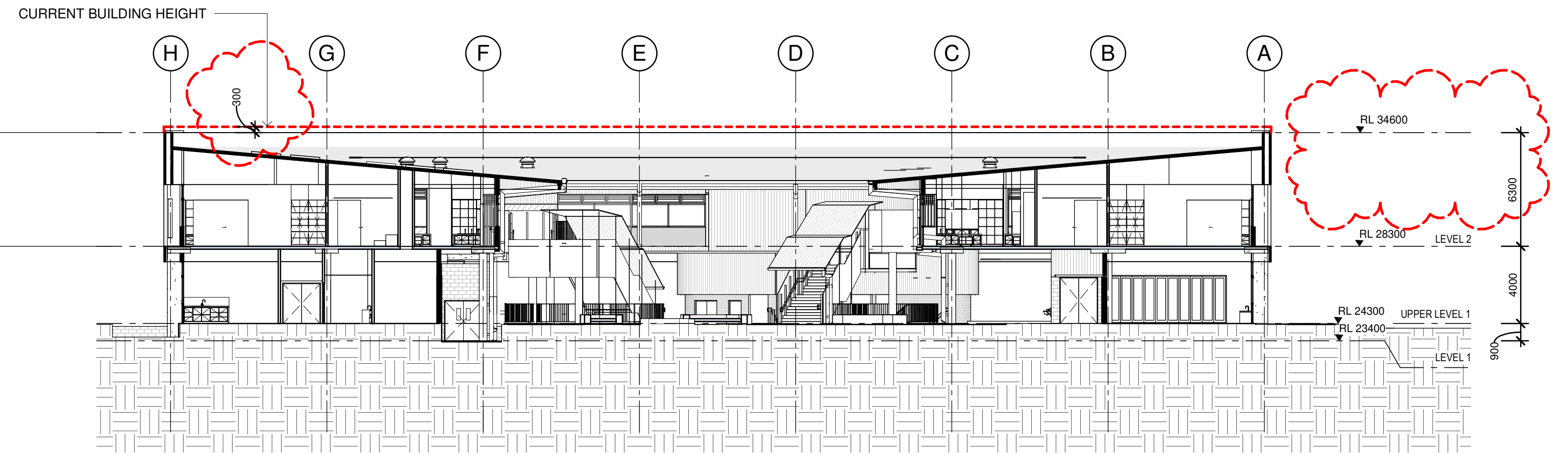
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19154-NBRS-A-301
Revision
D



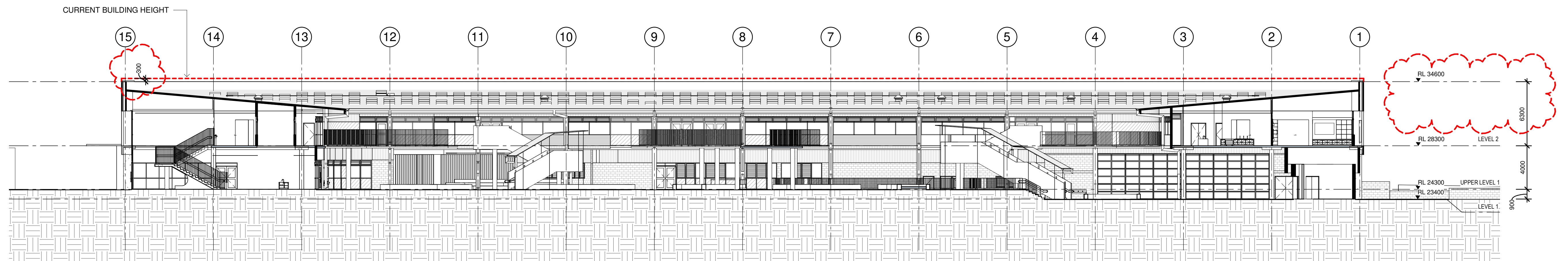
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1 : 200



2 COURTYARD ELEVATION - EAST
1 : 200



3 COURTYARD ELEVATION - WEST
1 : 200



4 COURTYARD ELEVATION - SOUTH
1 : 200

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Drawing Title
COURTYARD ELEVATIONS

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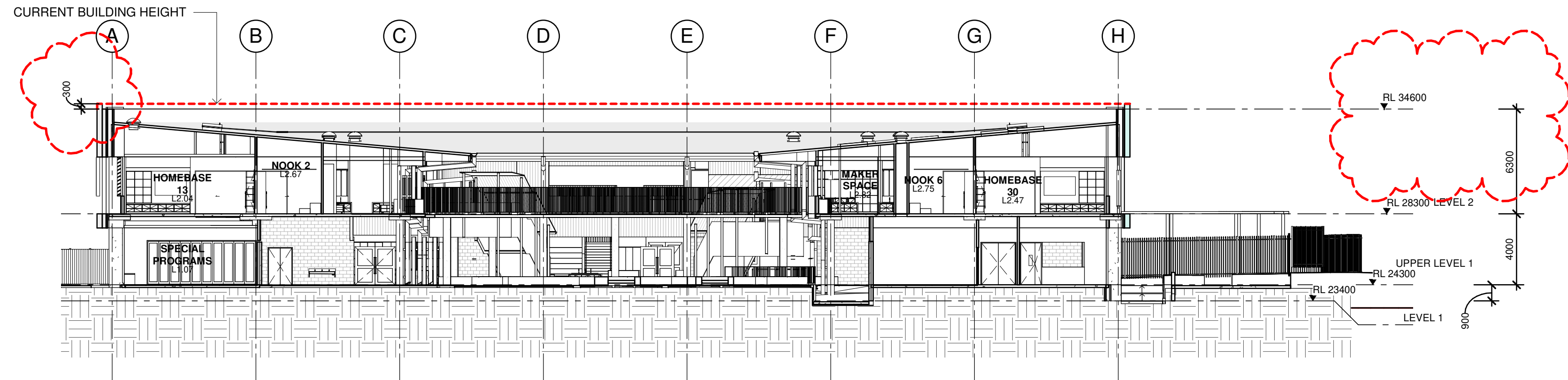
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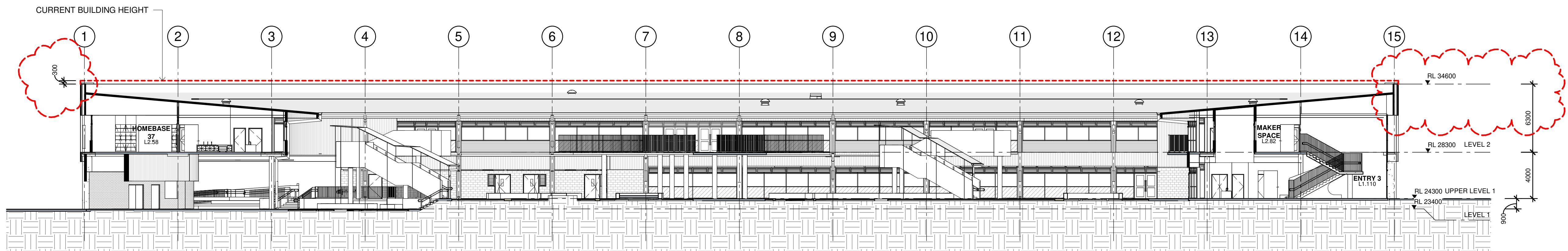
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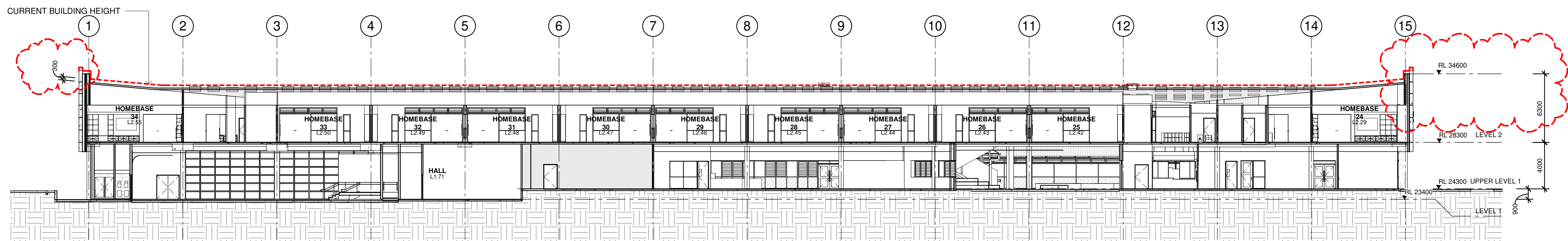
Drawing Reference
19154-NBRS-A-302
Revision
C



1 SECTION 01
1 : 200



2 SECTION 02
1 : 200



3 SECTION 03
1 : 200

| Issue No. | Date | Description | Chkd |
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Drawing Title
BUILDING SECTIONS

Project
NEW MARSDEN PARK PUBLIC SCHOOL
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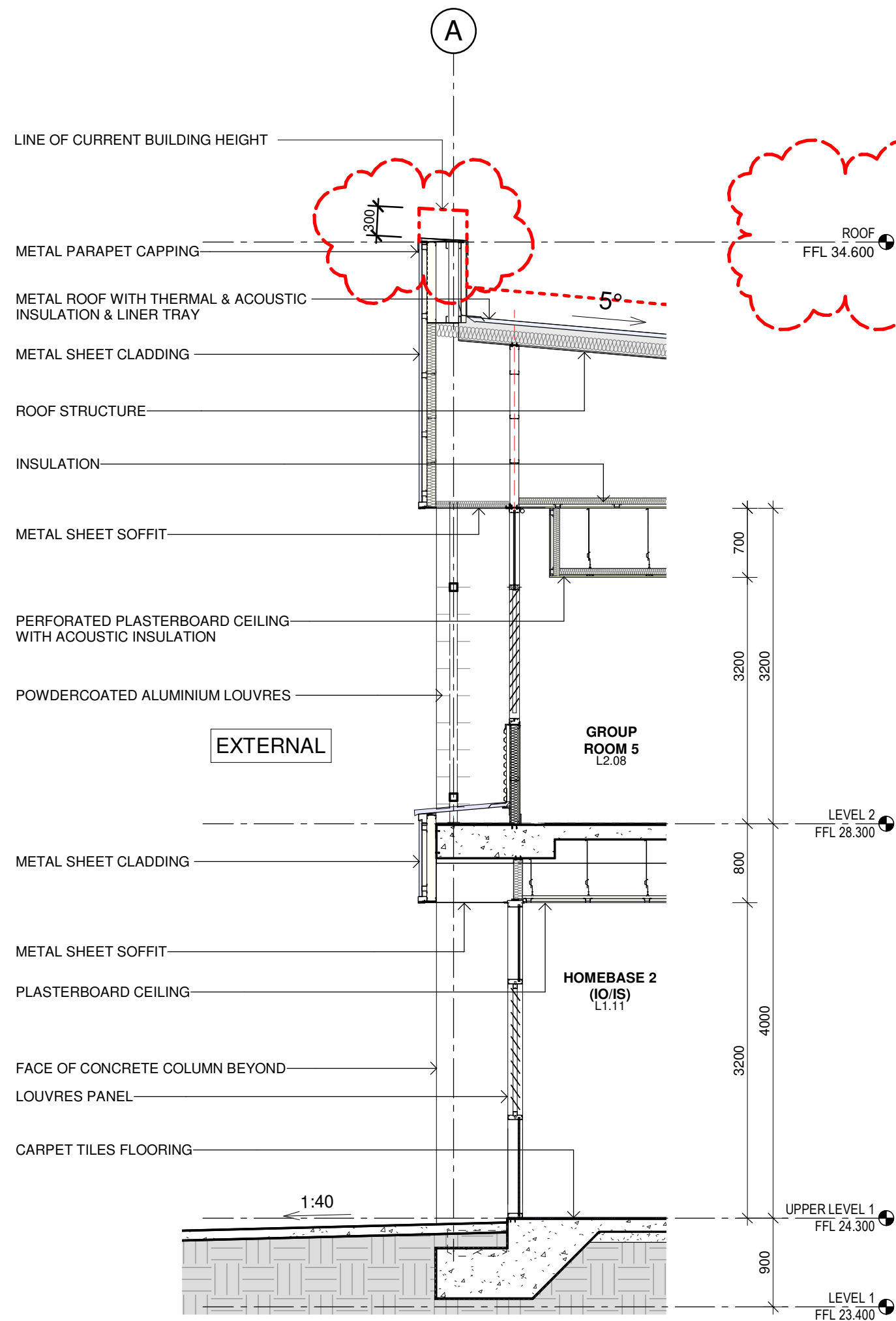
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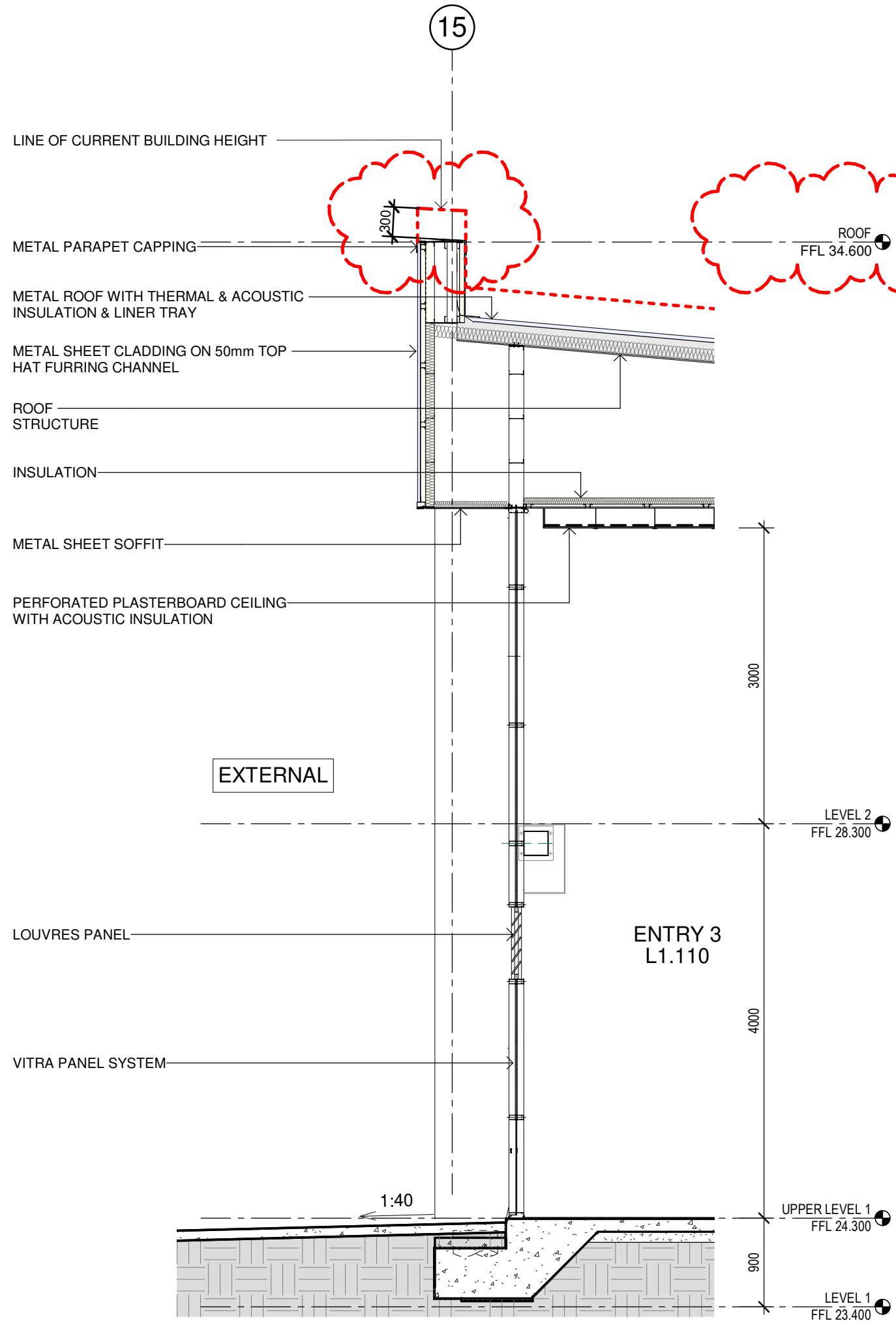
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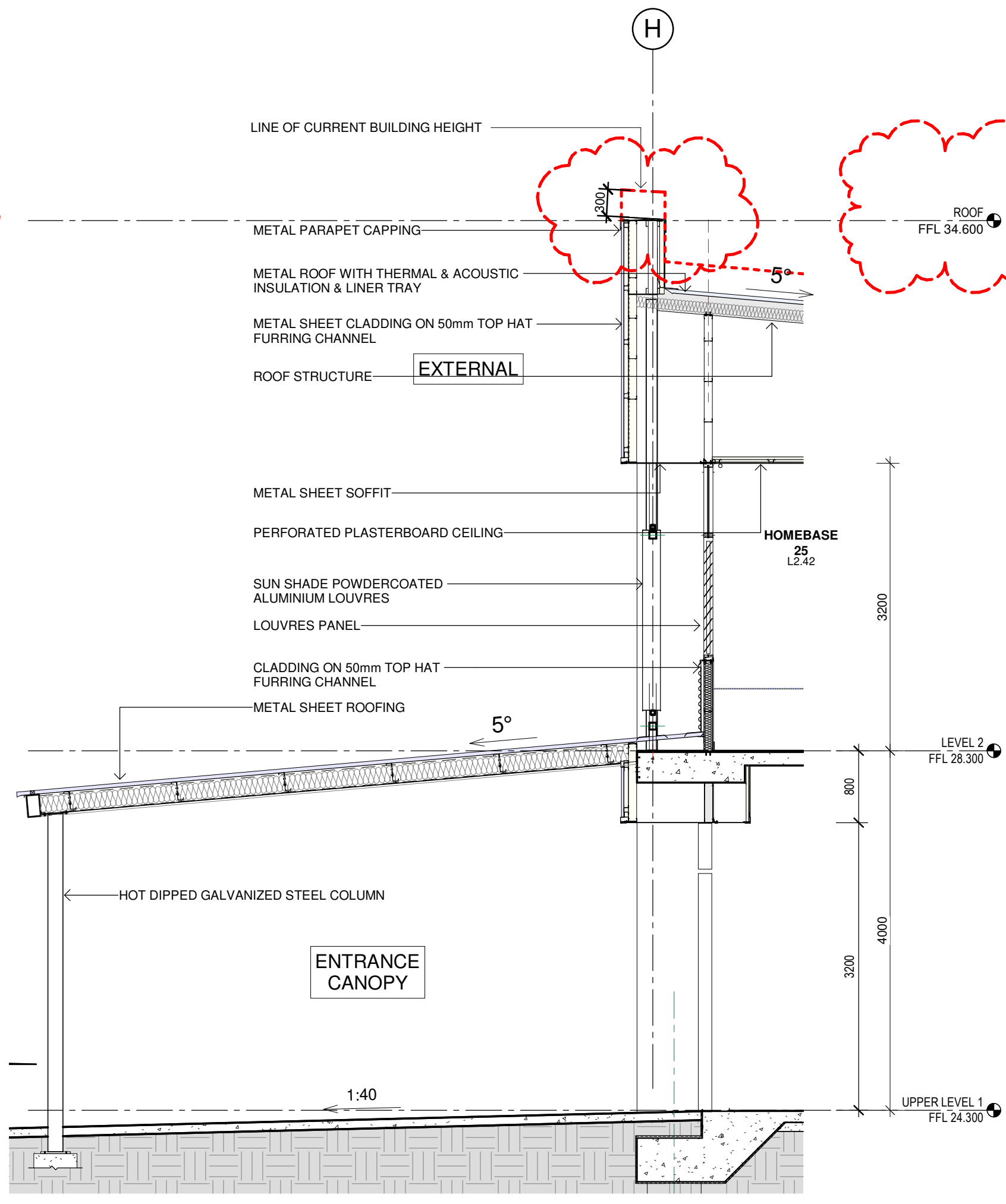
Drawing Reference
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Revision
C



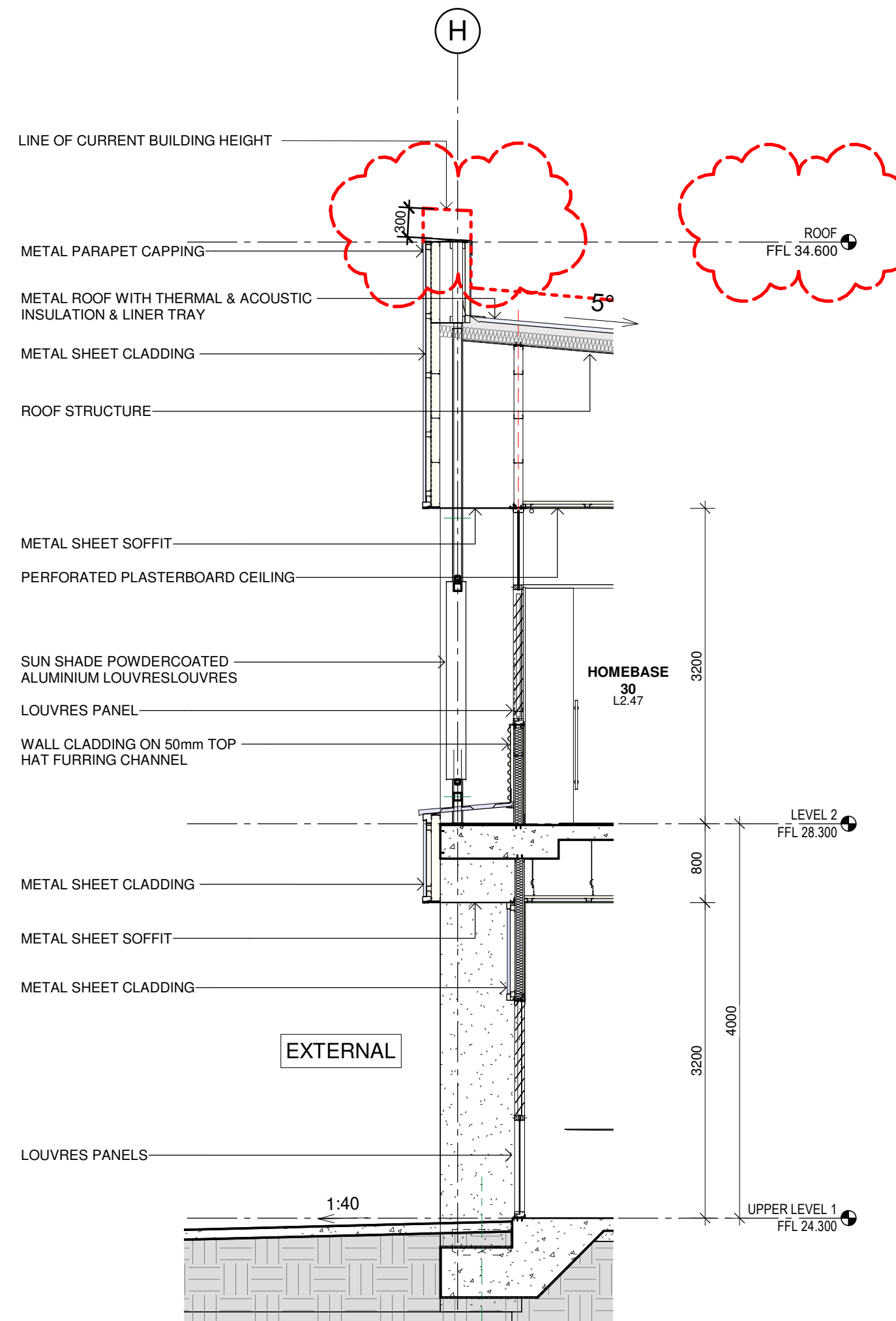
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1 : 50



2 Wall Section 02
1 : 50

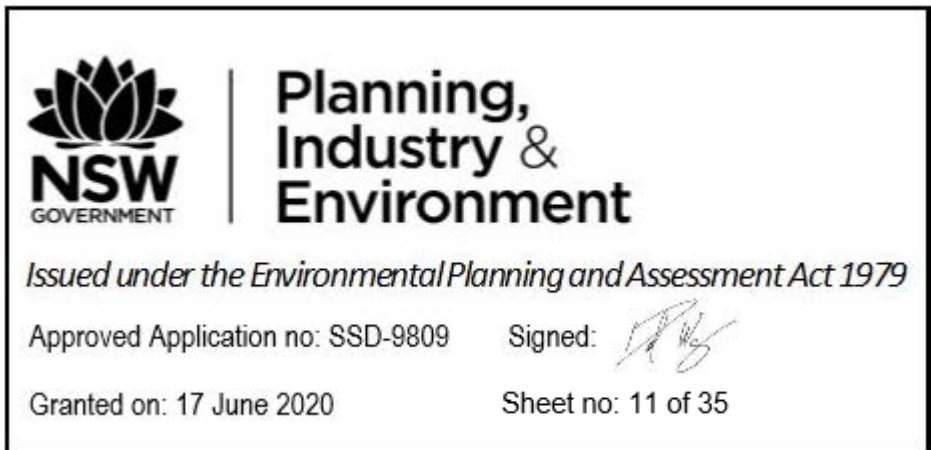


3 Wall Section 03
1 : 50



4 Wall Section 04
1 : 50

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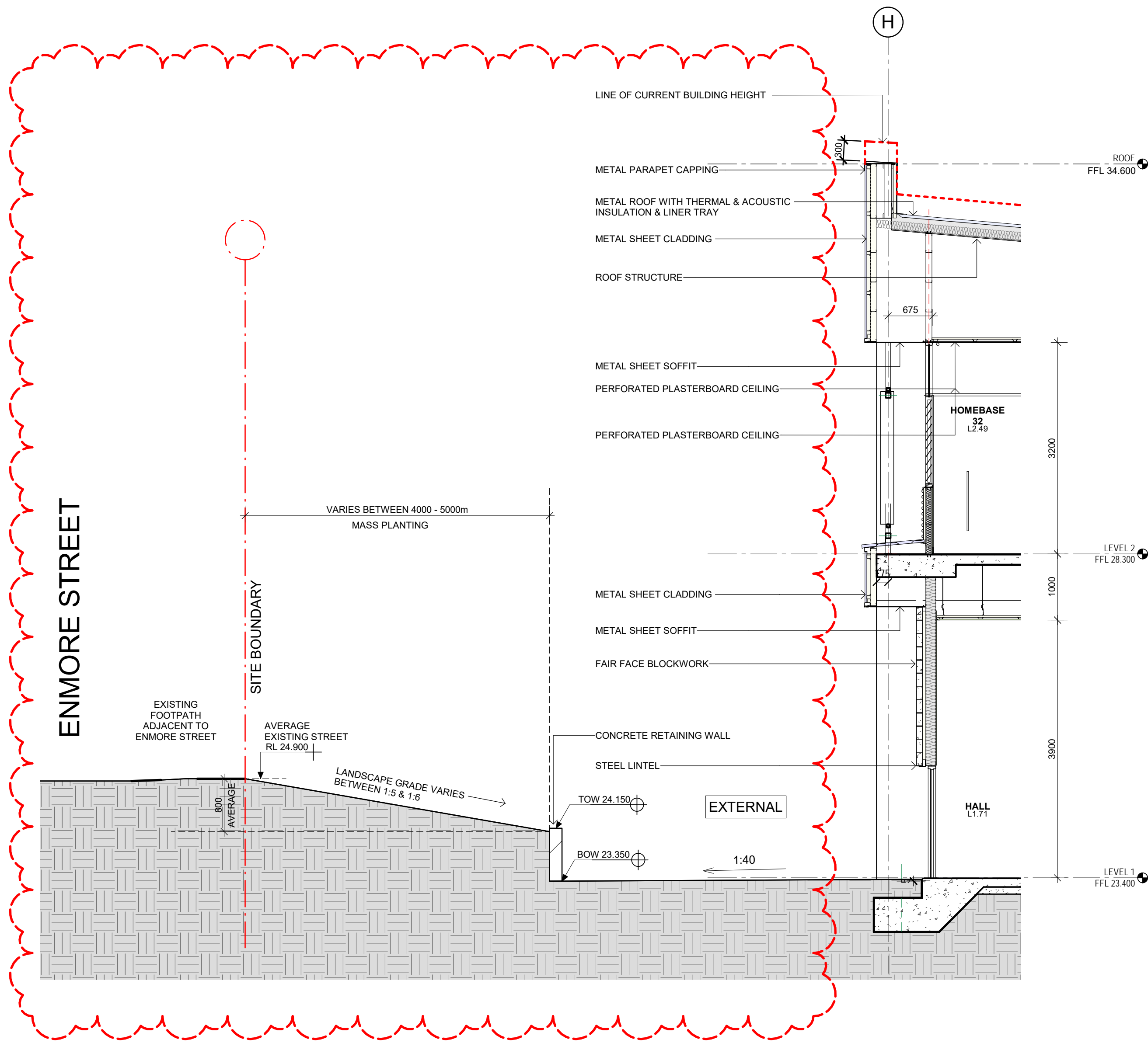


Drawing Title
WALL SECTIONS

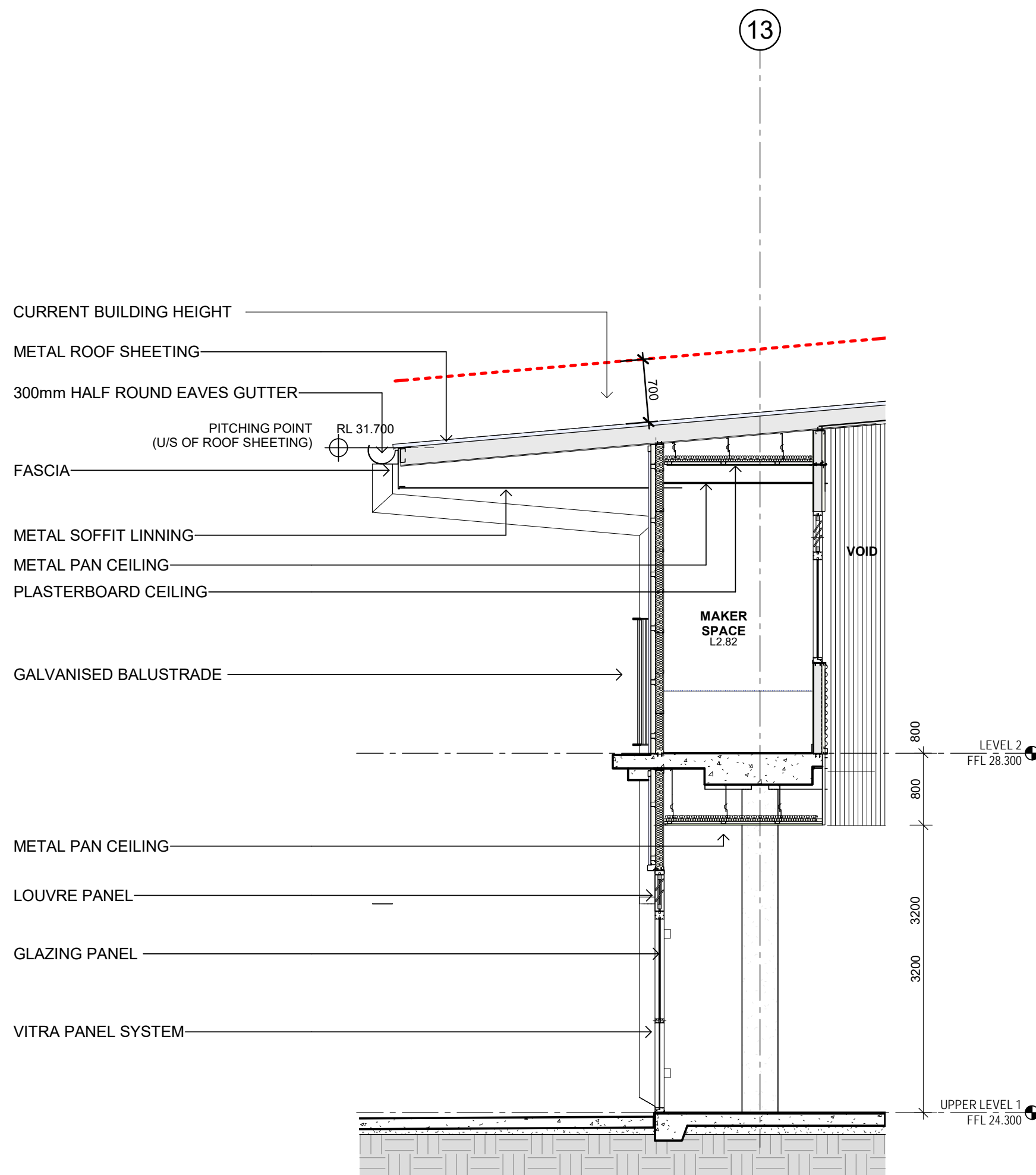
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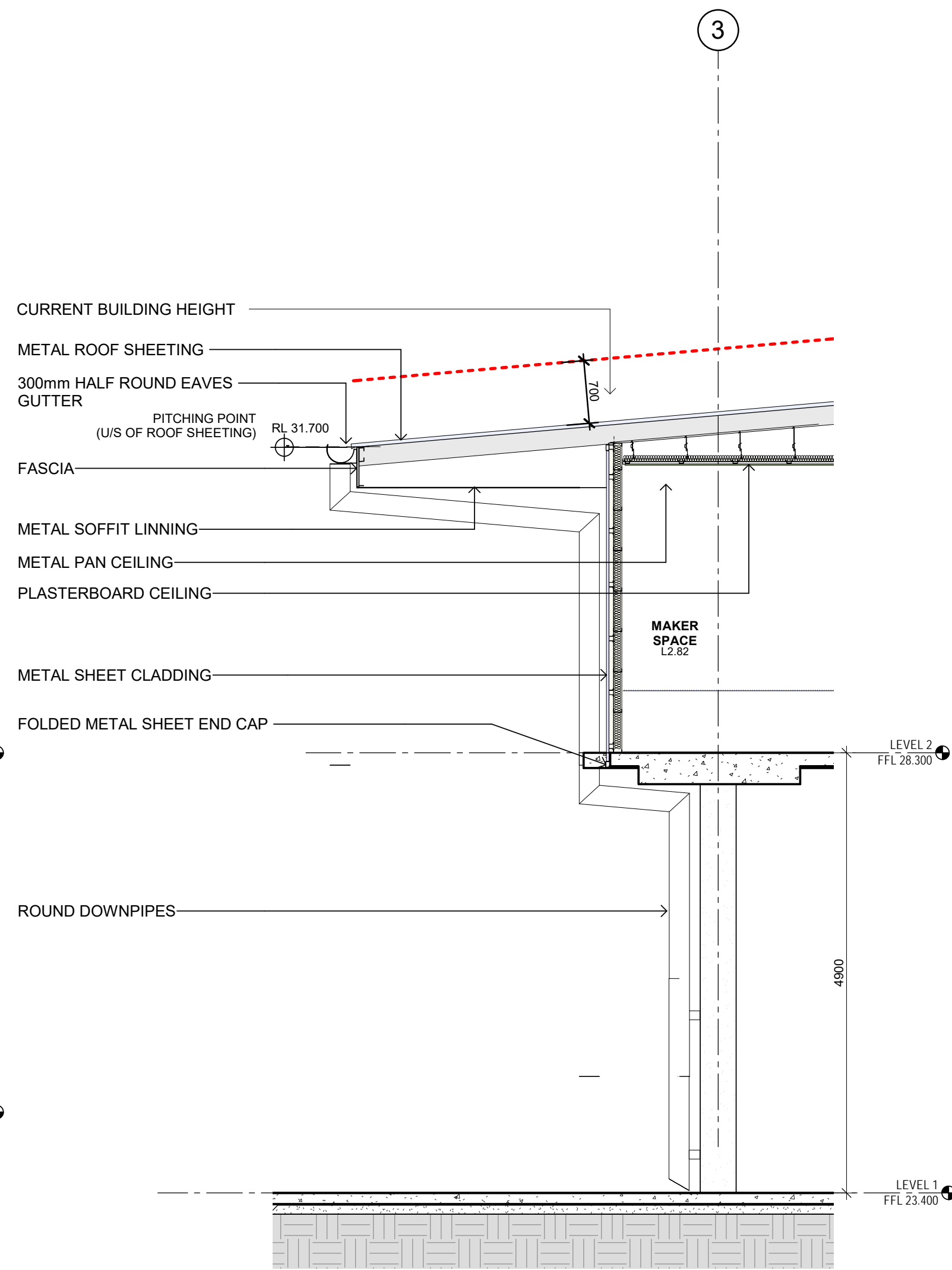
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Revision C



5 Wall Section 05
1 : 50



6 Wall Section 06
1 : 50



7 Wall Section 07
1 : 50

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| D | 25/03/2020 | SSD APPLICATION - REVISED | EK |



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Drawing Title
WALL SECTIONS

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Drawing Reference
19154-NBRS-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

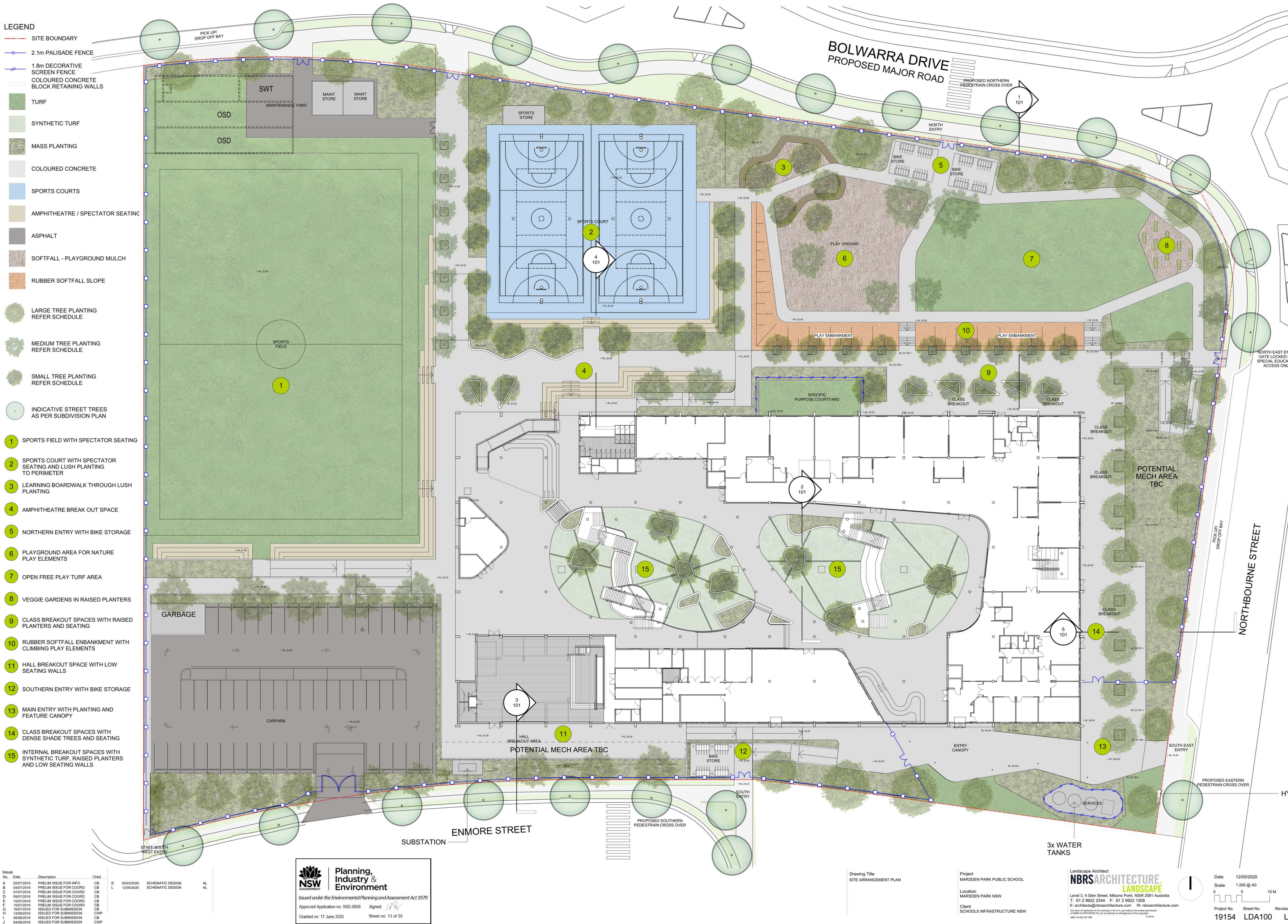
| Issue No. | Date | Description | Chkd | K | L | 05/03/2020 | SCHEMATIC DESIGN | AL |
|-----------|------------|------------------------|------|---|---|------------|------------------|----|
| A | 02/07/2019 | PRELIM ISSUE FOR INFO | CB | | | | | AL |
| B | 04/07/2019 | PRELIM ISSUE FOR COORD | CB | | | | | AL |
| 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 | | | | | |

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: 13 of 35



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

Scale
1:200 @ A0

Project No.
19154

Sheet No.
LDA100

Revision No.
L

MATERIALS PALETTES



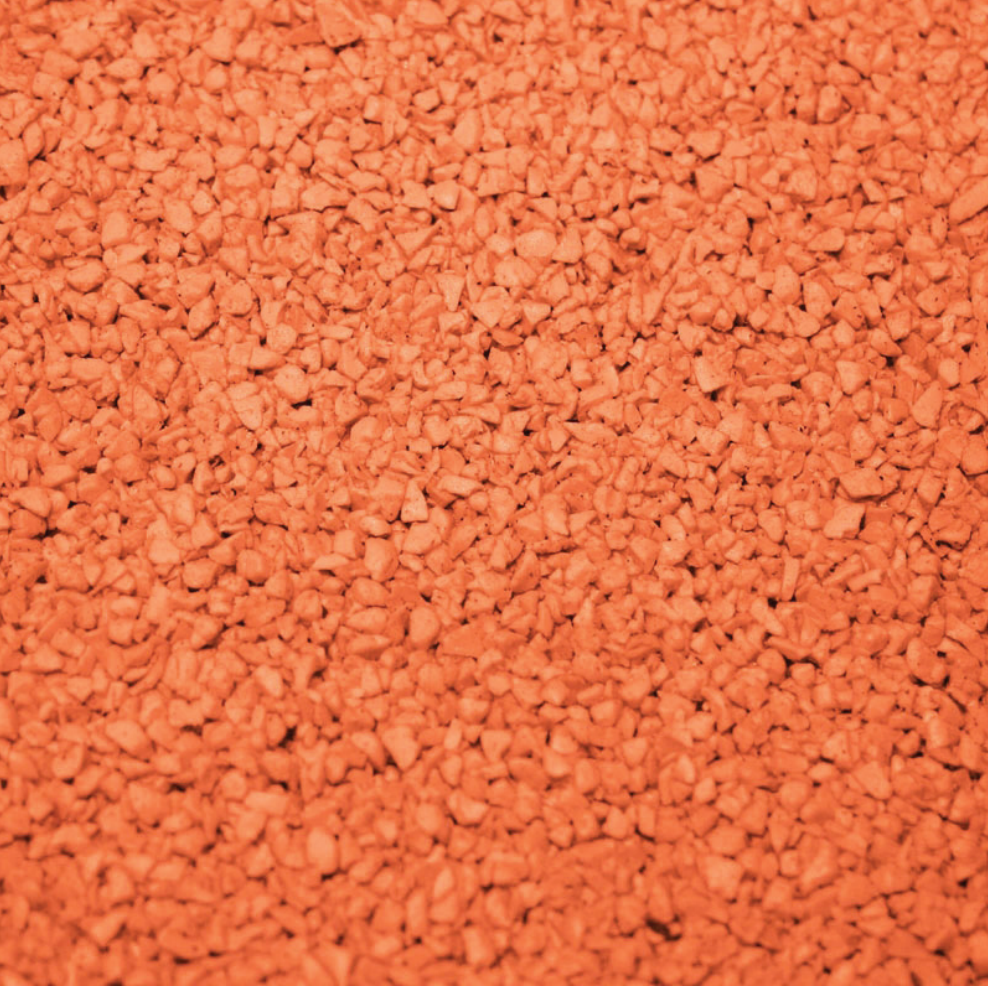
COLOURED CONCRETE - CCS PEWTER



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



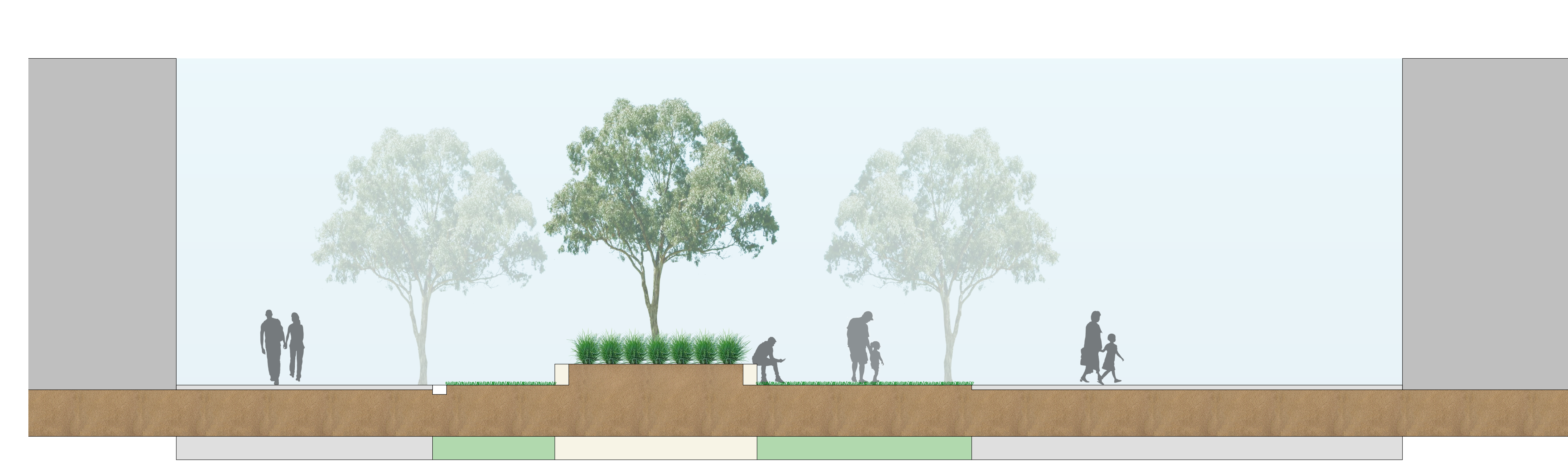
CLEAR CIRCULATION

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



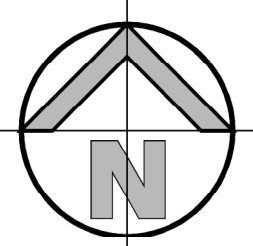
3 SITE SECTION 3
1:50



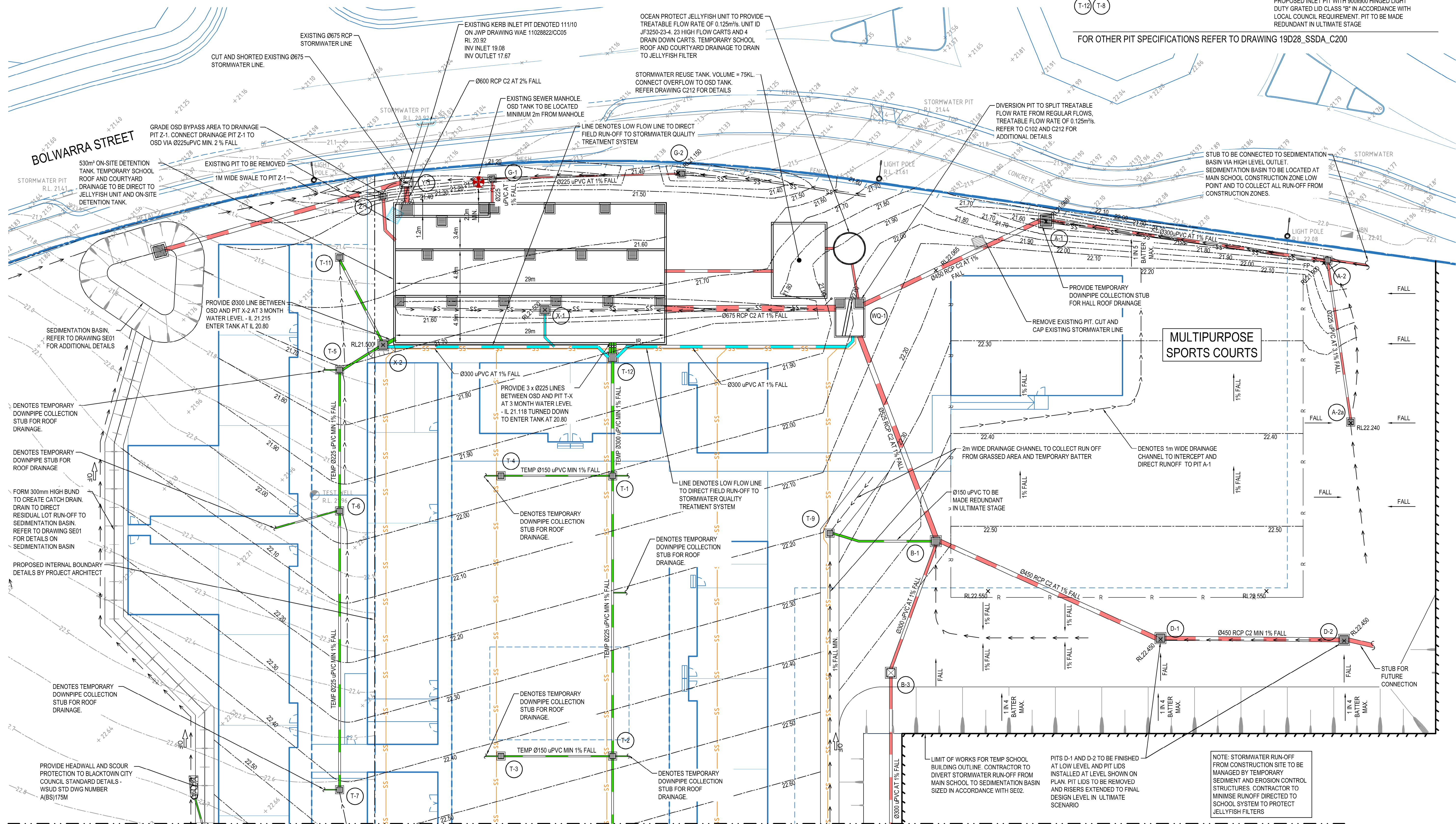
4 SITE SECTION 4
1:50



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

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: 16 of 35



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

| REVISION | AMENDMENT | DRAWN | DESIGNED | DATE | REVISION | AMENDMENT | DRAWN | DESIGNED | DATE |
|----------|-------------------------------|-------|----------|------------|----------|-----------|-------|----------|------|
| 04 | ISSUED FOR SSDA APPROVAL ONLY | IK | NW | 15.05.2020 | | | | | |
| 03 | ISSUED FOR COORDINATION | IK | BH | 08.05.2020 | | | | | |
| 02 | ISSUED FOR SSDA APPROVAL ONLY | IK | NW | 25.03.2020 | | | | | |
| 01 | PRELIMINARY | IK | NW | 14.02.2020 | | | | | |

Client
ADCO CONSTRUCTION PTY LID
Architect
NBRS ARCHITECTURE

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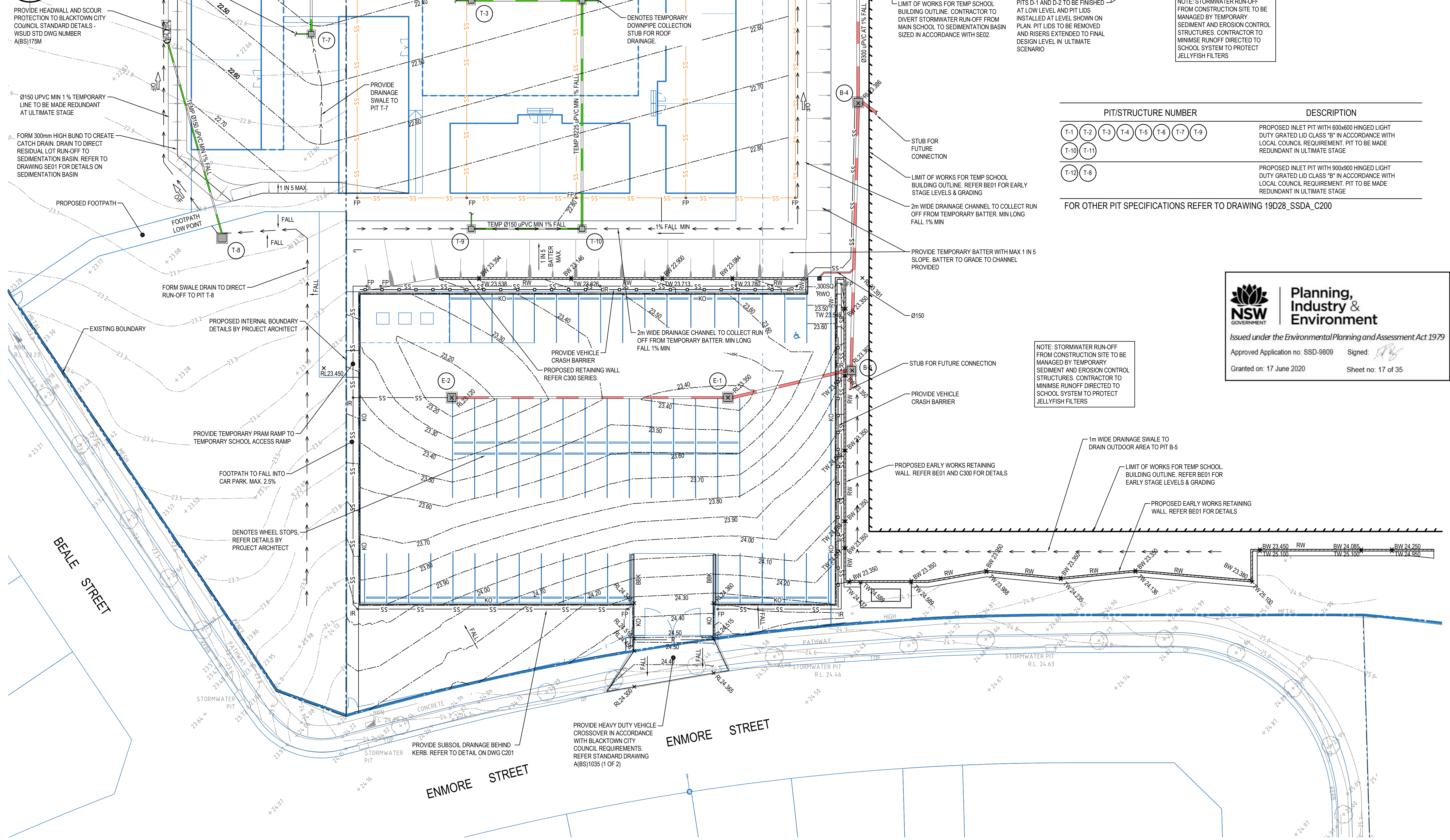
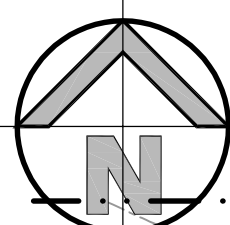
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Email
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Project
**MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW**
Title
**TEMPORARY SCHOOL PLAN
SHEET 1 OF 2**

| | | |
|--|------------------------|-----------------------|
| Drawn I.Khachab | Designed N.Wetzelar | Date JAN 2020 |
| Checked N.Wetzelar | Approved A.Francis | Scale @A1 1:200 |
| Drawing number 19D28_SSDA_C050 | | Revision 04 |



| PIT/STRUCTURE NUMBER | | | | | | | | DESCRIPTION |
|----------------------|------|-----|-----|-----|-----|-----|-----|---|
| T-1 | T-2 | T-3 | T-4 | T-5 | T-6 | T-7 | T-8 | 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-9 | | | | | | | 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



**Planning,
Industry &
Environment**

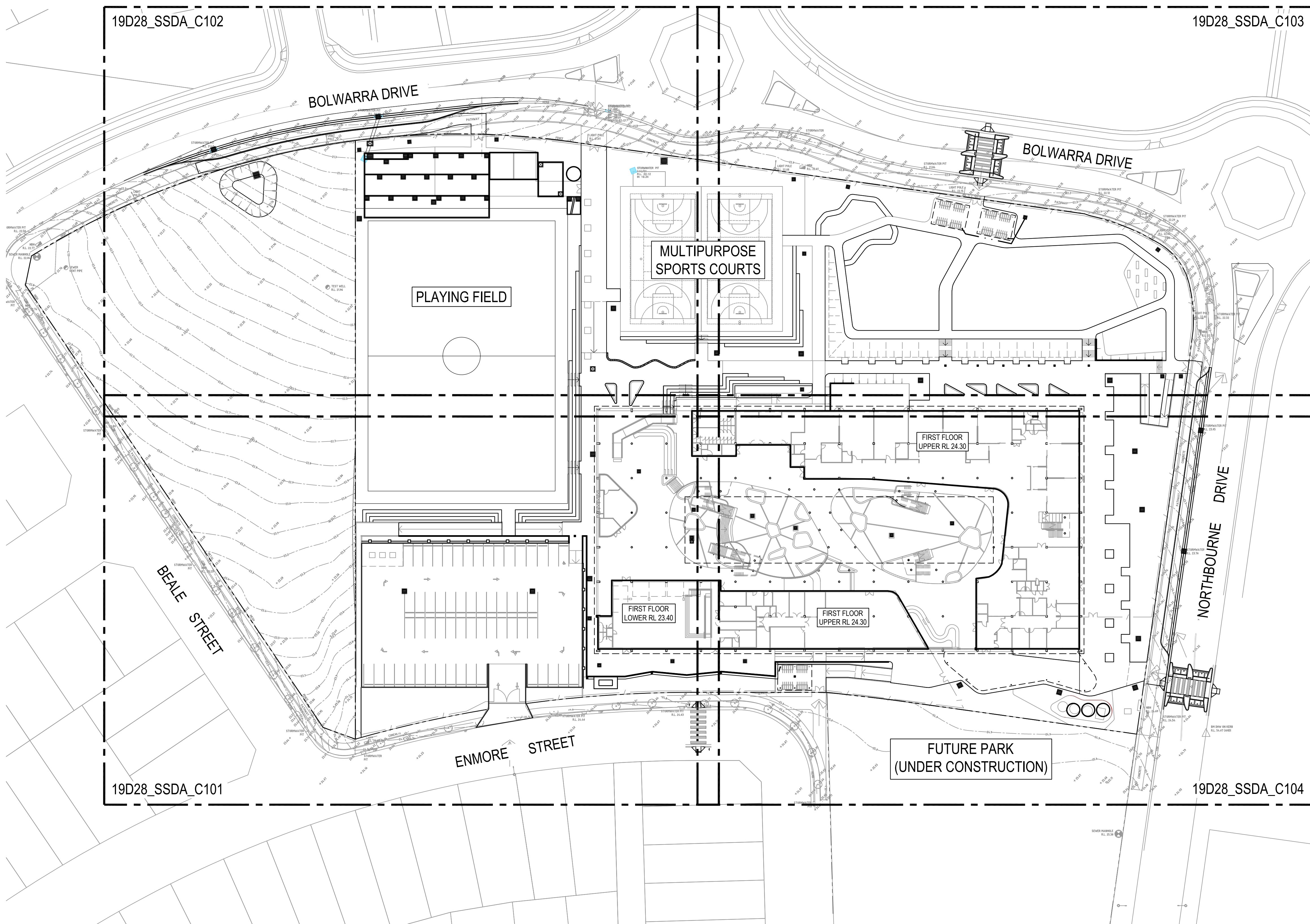
Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-9809 Signed: 

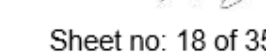
Granted on: 17 June 2020 Sheet no: 17 of 35

ISSUED FOR APPROVAL

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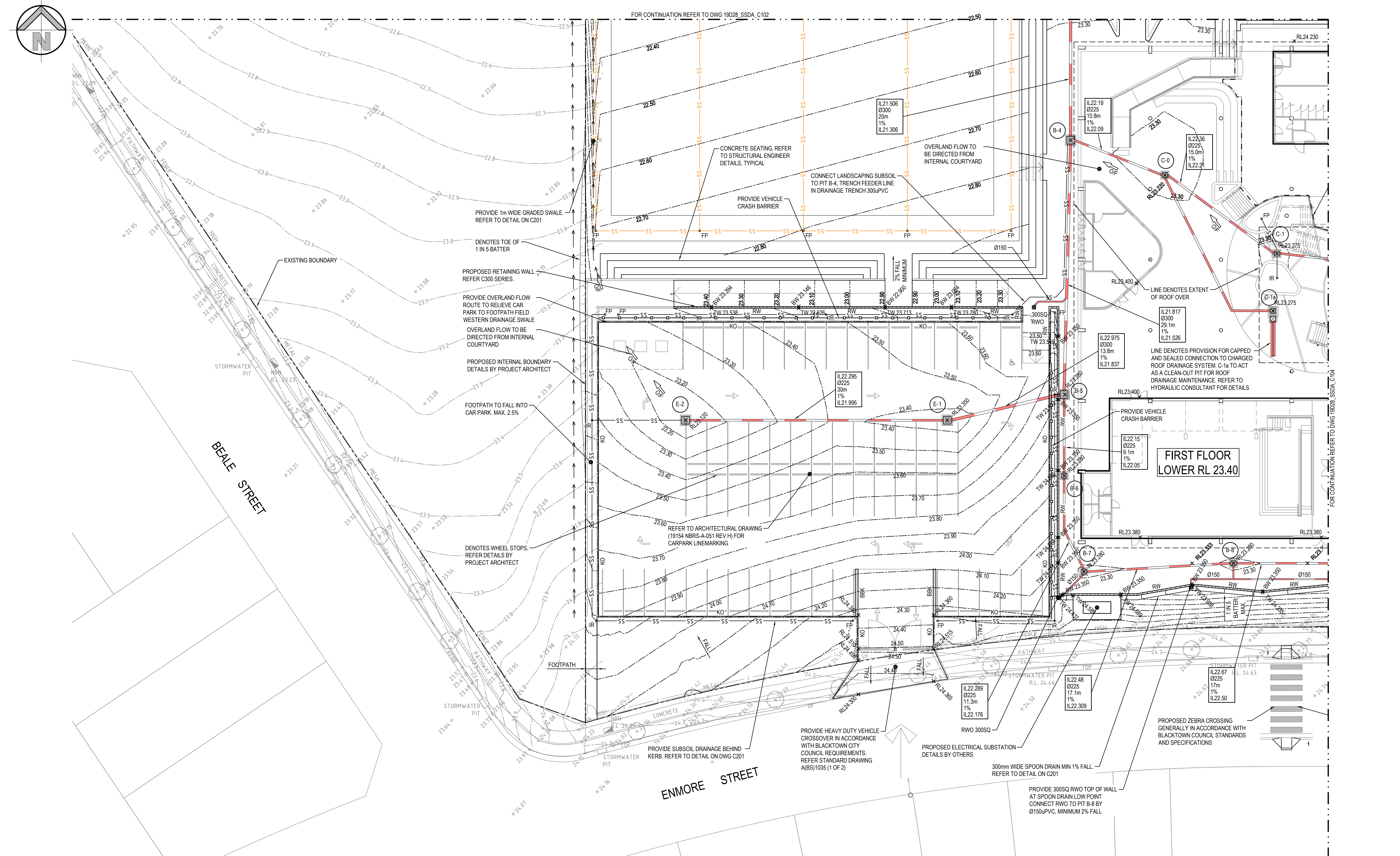
[Symbol: Circle with cross] PROPOSED JUNCTION PITS
 [Symbol: Square with cross] PROPOSED SURFACE INLET PITS
 [Symbol: Circle with 'A-1' and 'PIT NUMBER'] LINE LETTER
 [Symbol: Circle with 'A-1' and 'PIT NUMBER'] PIT NUMBER
 [Symbol: Box with '40.125', '0425RGP', '20.450m', '1.5%', '39.616'] STORMWATER UPSTREAM INVERT RL.
 [Symbol: Box with '40.125', '0425RGP', '20.450m', '1.5%', '39.616'] STORMWATER PIPE DIAMETER & CLASS
 [Symbol: Box with '40.125', '0425RGP', '20.450m', '1.5%', '39.616'] STORMWATER PIPE LENGTH
 [Symbol: Box with '40.125', '0425RGP', '20.450m', '1.5%', '39.616'] STORMWATER PIPE GRADE
 [Symbol: Box with '40.125', '0425RGP', '20.450m', '1.5%', '39.616'] STORMWATER DOWNSTREAM INVERT RL.
 [Symbol: Grate] PROPOSED GRATED DRAIN
 [Symbol: Red line] PROPOSED STORMWATER PIPE
 [Symbol: Cyan line] PROPOSED LOW FLOW STORMWATER PIPE
 [Symbol: Green line] STORMWATER LINE TO BE MADE REDUNDANT FOLLOWING CLOSURE OF TEMPORARY SCHOOL
 [Symbol: Dashed line with 'SS'] PROPOSED SUBSOIL LINE
 [Symbol: Solid line] EXISTING STORMWATER PIPE
 [Symbol: Dashed line] PROPOSED BATTER LINE
 [Symbol: Dashed line with '22.7'] EXISTING CONTOURS
 [Symbol: Dashed line with '22.80'] PROPOSED CONTOURS
 [Symbol: Circle with 'X' and 'BL 24.300'] PROPOSED SPOT LEVEL
 [Symbol: Circle with 'X' and '22.30'] EXISTING SPOT LEVEL
 [Symbol: Circle with 'X' and 'TW 24.300'] PROPOSED TOP OF WALL LEVEL
 [Symbol: Circle with 'X' and 'BW 23.300'] PROPOSED BOTTOM OF WALL LEVEL
 [Symbol: Square with 'RWO'] 300 SQ RAINWATER OUTLET WITH Ø150mm OUTLET PIPE
 [Symbol: Double line] PROPOSED KERB ONLY
 [Symbol: Double line with 'KO'] BLACKTOWN CITY COUNCIL KERB ONLY
 [Symbol: Double line with 'BKO'] PROPOSED BACK TO BACK KERB
 [Symbol: Double line with 'BBK'] PROPOSED DISH DRAIN
 [Symbol: Double line with 'DD'] PROPOSED STORMWATER SWALE
 [Symbol: Dashed line with 'R'] PROPOSED RETAINING WALL
 [Symbol: Dashed line with 'FP'] PROPOSED RIDGE LINE
 [Symbol: Dashed line with 'SS'] PROPOSED FLUSHING POINT (FP)
 [Symbol: Dashed line with 'IR'] PROPOSED INTERMEDIATE RISER (IR)
 [Symbol: Dashed line with 'DP'] PROPOSED DOWNPIPE LOCATION (DP)
 [Symbol: Dashed line with 'DP'] PROPOSED DOWNPIPE COLLECTION LINE
 [Symbol: Dashed line with 'DP'] PROPOSED LIMIT OF WORK



GENERAL ARRANGEMENT PLAN

SCALE 1:500

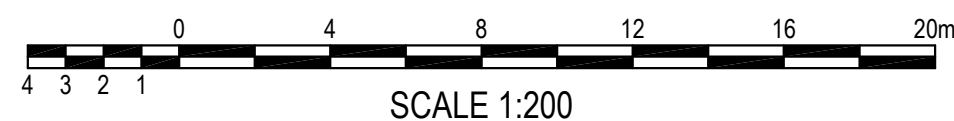
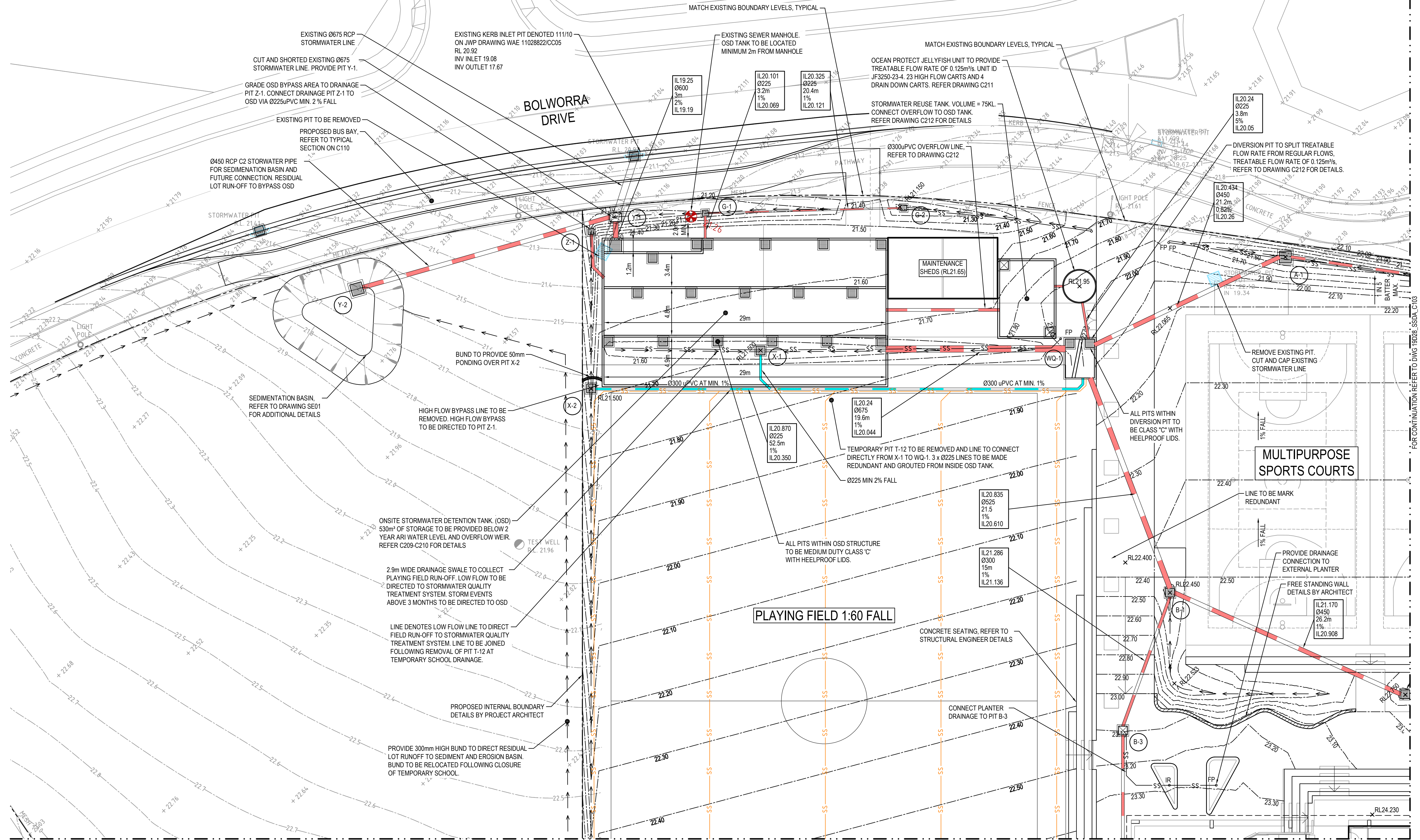
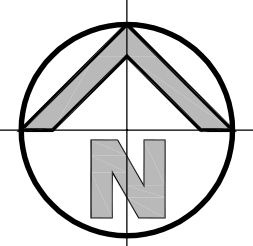
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| Drawing number | Revision |
| 19D28_SSDA_C101 | 06 |

ISSUED FOR APPROVAL

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| <div>SURVEY INFORMATION SURVEYED BY LCG</div> <div>DATUM: A.H.D. ORIGIN OF LEVELS: SSM191370</div> | 06 | ISSUED FOR SSDA APPROVAL ONLY | IK | NW | 15.06.2020 | |
| | 05 | ISSUED FOR COORDINATION | IK | NW | 06.06.2020 | |
| | 04 | ISSUED FOR SSDA APPROVAL ONLY | IK | 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 | IK | NW | 12.02.2020 | |
| | REVISION | AMENDMENT | DRWING | RECEIVED | DATE | REVISION |



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: 20 of 35

Client
ADCO CONSTRUCTIONS PTY LTD

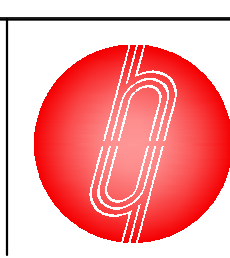
Architect
NBRS ARCHITECTURE

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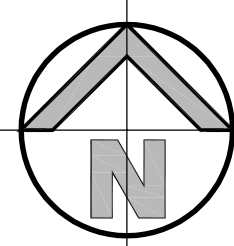


Project
**MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW**

Title
**DETAIL PLAN
SHEET 2 OF 4**

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

Drawing number
19D28_SSDA_C102
Revision
07



Planning,
Industry &
Environment

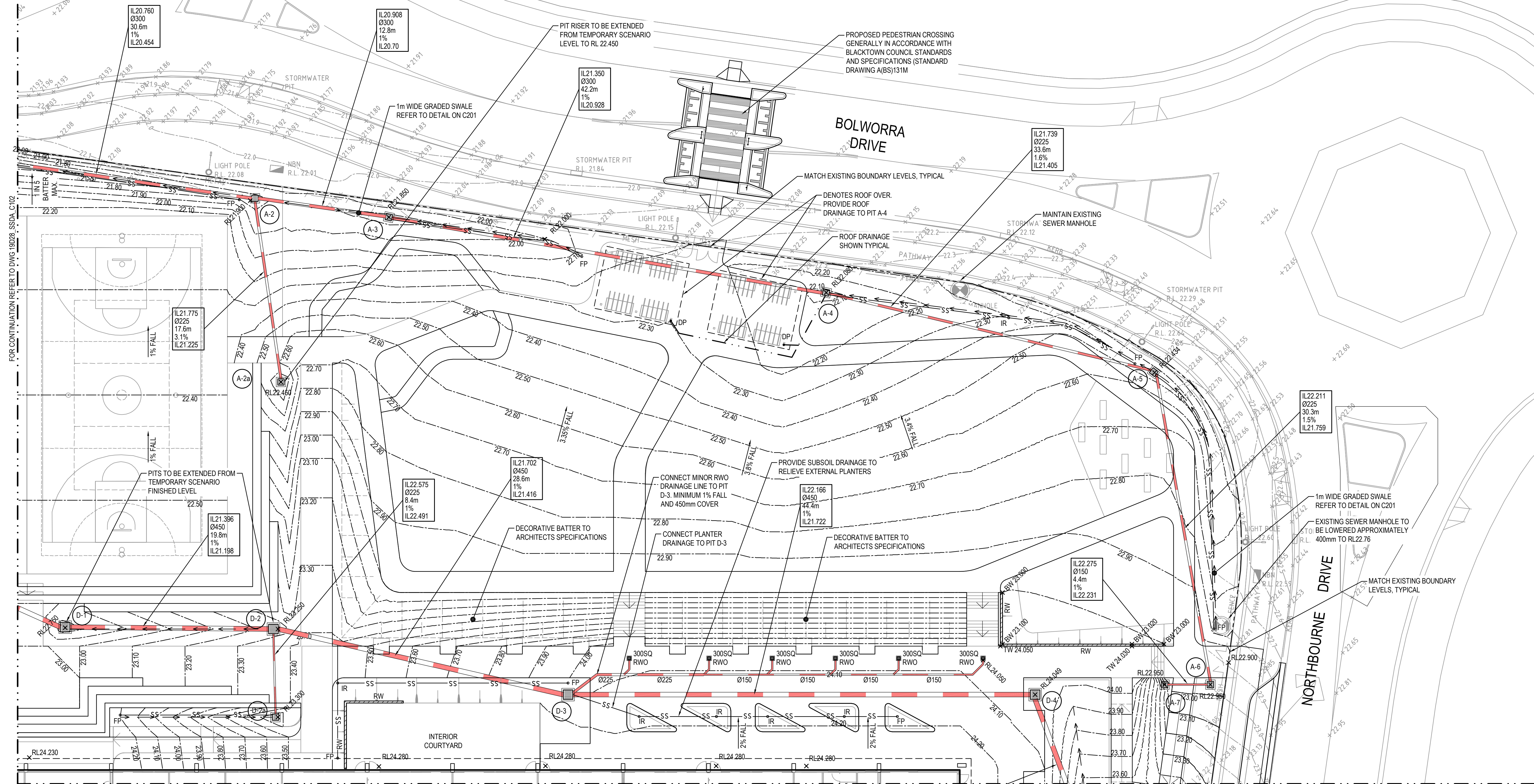
Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-9809

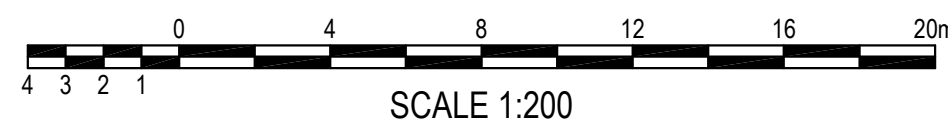
Signed:

Granted on: 17 June 2020

Sheet no: 21 of 35



DETAIL PLAN
SCALE 1:200



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 |
|----------|-------------------------------|-------|----------|------------|----------|-----------|-------|----------|------|
| 06 | ISSUED FOR SSDA APPROVAL ONLY | IK | NW | 15.05.2020 | | | | | |
| 05 | ISSUED FOR COORDINATION | IK | NW | 08.05.2020 | | | | | |
| 04 | ISSUED FOR SSDA APPROVAL ONLY | IK | NW | 34.03.2020 | | | | | |
| 03 | ISSUED FOR TENDER ONLY | BH | BH | 05.03.2020 | | | | | |
| 02 | ISSUED FOR TENDER ONLY | KR | NW | 24.02.2020 | | | | | |
| 01 | PRELIMINARY | IK | NW | 12.02.2020 | | | | | |

Client
ADCO CONSTRUCTIONS PTY LTD
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NBRS ARCHITECTURE

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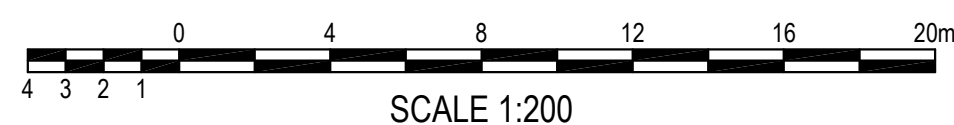
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Project
**MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW**
Title
**DETAIL PLAN
SHEET 3 OF 4**

| | | |
|--|-----------------------|-----------------------|
| Drawn I.Khachab | Designed N.Wetzlar | Date JAN 2020 |
| Checked N.Wetzlar | Approved A.Francis | Scale @A1 1:200 |
| Drawing number 19D28_SSDA_C103 | | Revision 06 |





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GOVERNMENT

**Planning,
Industry &
Environment**

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-9809 Signed: 

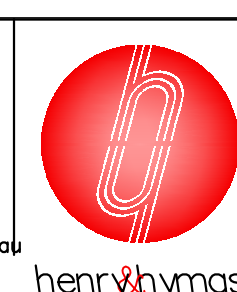
Granted on: 17 June 2020 Sheet no: 22 of 35

| | | |
|--|-----------------------|-----------------------|
| Drawn I.Khachab | Designed N.Wetzlar | Date JAN 2020 |
| Checked N.Wetzlar | Approved A.Francis | Scale @A1 1:200 |
| Drawing number 19D28_SSDA_C104 | | Revision 06 |

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|--|--|



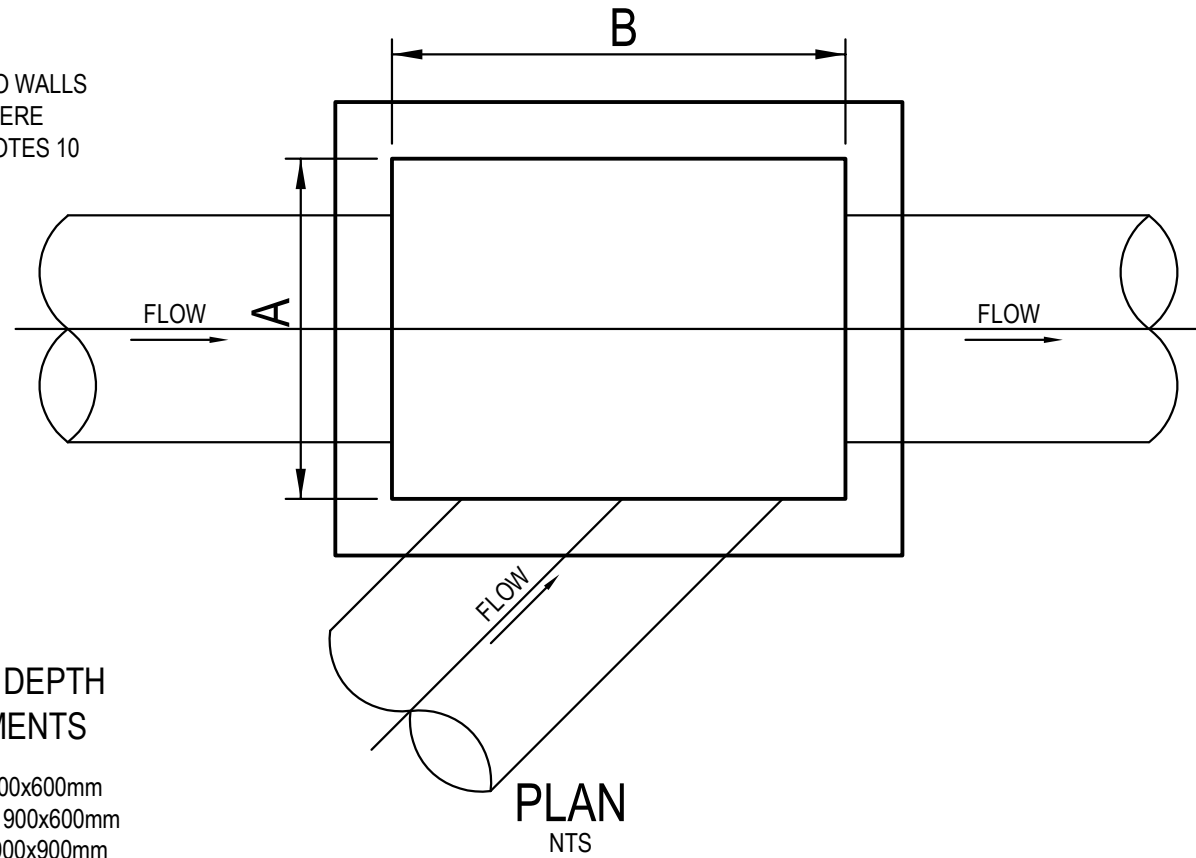
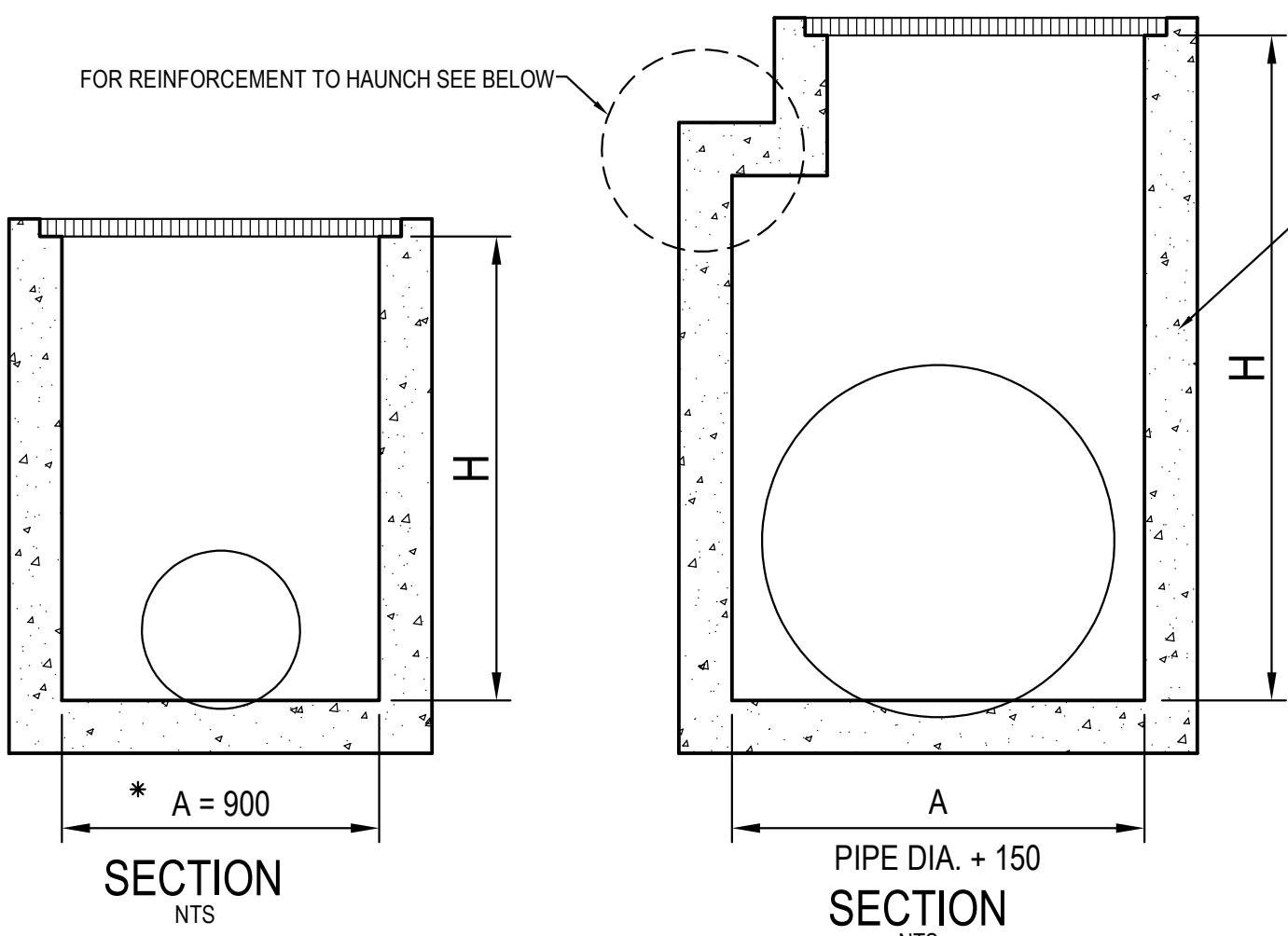
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|---------|---|
| Project | MARSDEN PARK PUBLIC SCHOOL NORTHBOURNE DR MARSDEN PARK NSW |
| Title | DETAIL PLAN SHEET 4 OF 4 |

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.

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



| 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

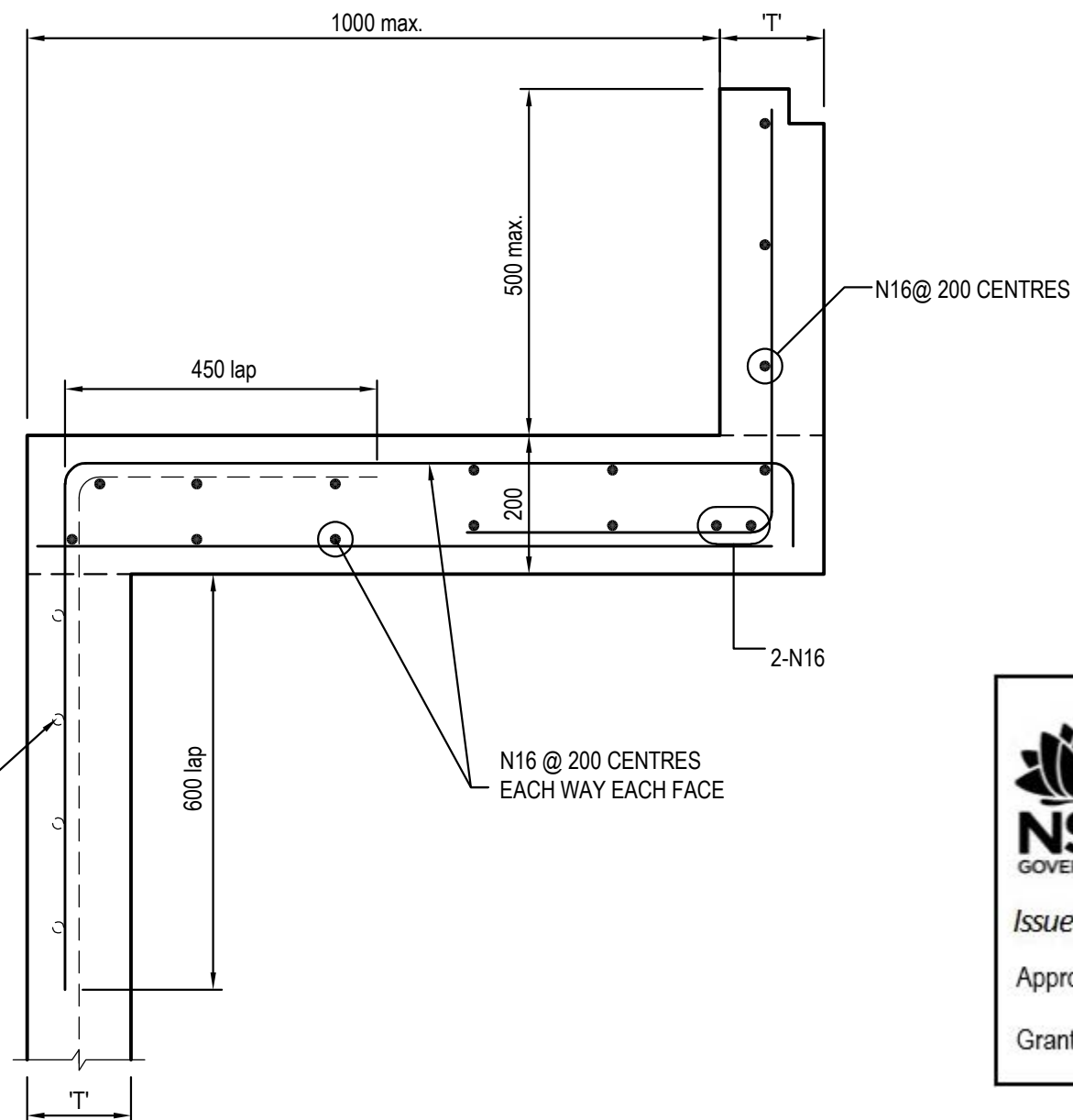
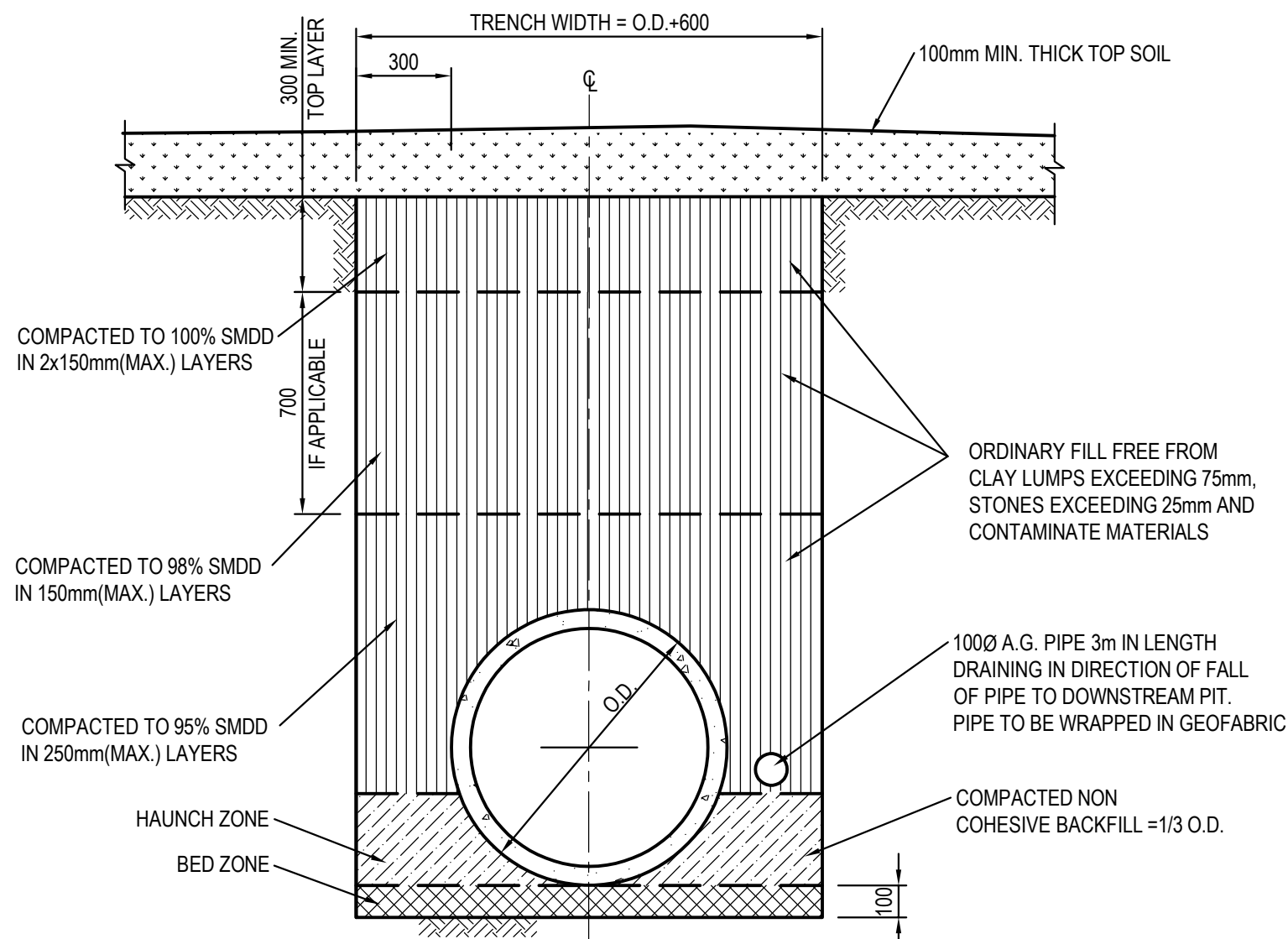
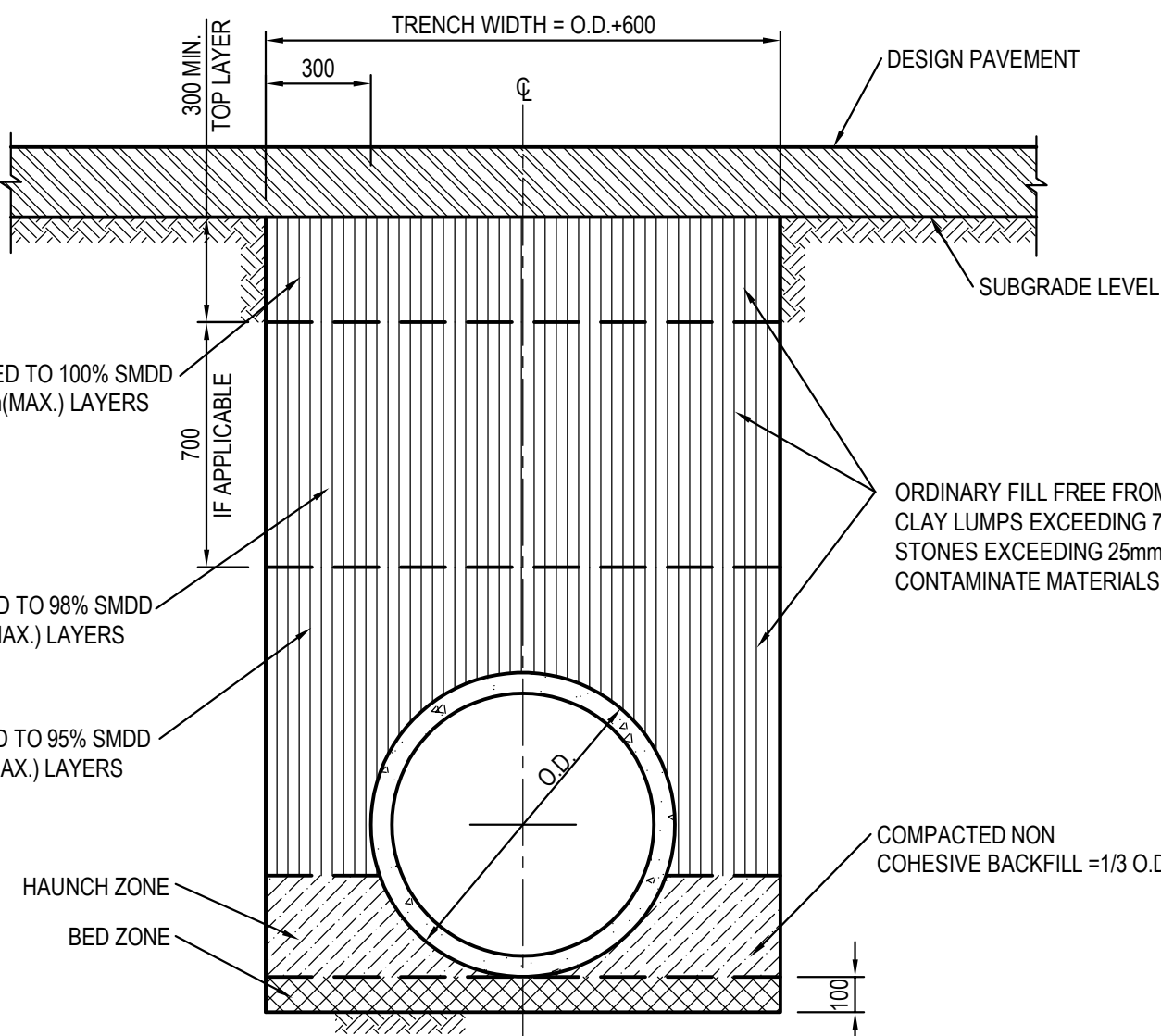
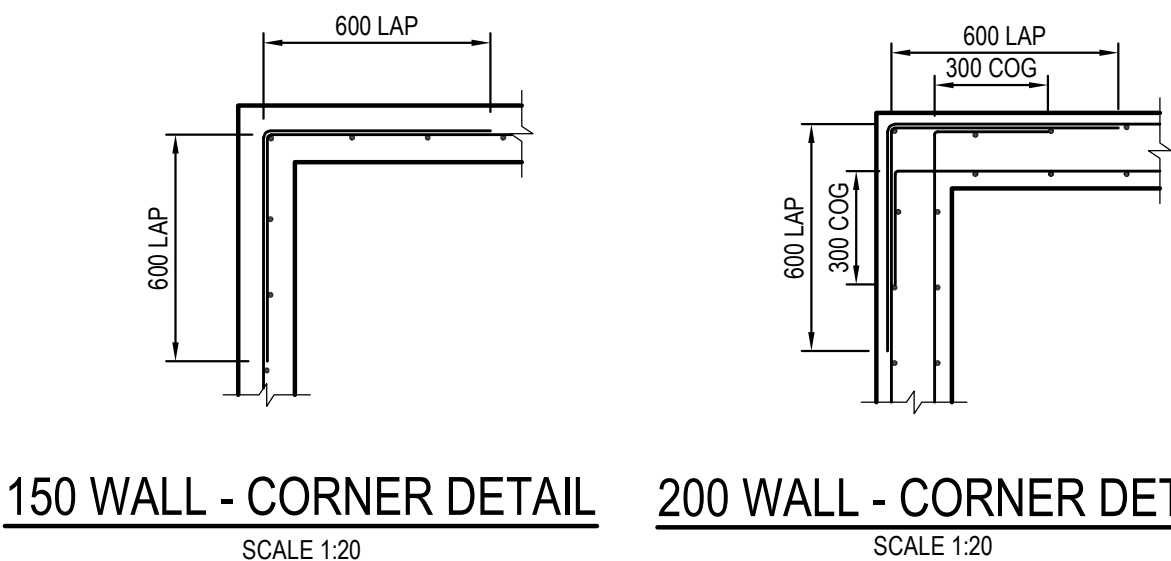
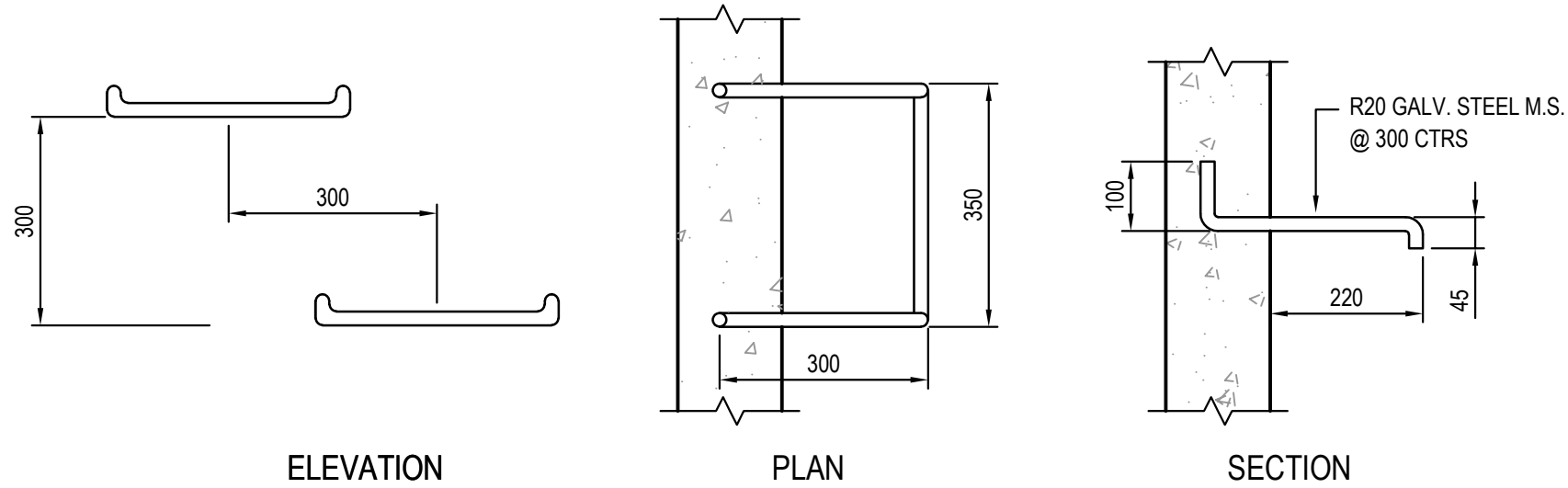
| PIT/STRUCTURE NUMBER | DESCRIPTION |
|--|---|
| B-3 | PROPOSED JUNCTION PIT WITH 900x900 MEDIUM DUTY SEALED LID CLASS "C" IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENT. |
| A-2 A-2a A-3 A-4 A-5 A-6 A-7 B-6 B-7 B-8 B-9 C-0 C-1 C-1a C-2 C-3 C-4 C-5 D-9 D-2a G-1 G-2 Z-1 | PROPOSED INLET PIT WITH 600x600 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.

- PIT CHAMBER DIMENSIONS FOR PIPES UP TO 600 DIA.

- PIT CHAMBER FOR PIPES GREATER THAN 600 DIA.

- PIT CHAMBER FOR SIDE ENTRY ON SKEW



- 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.

Planning, Industry & Environment
NSW GOVERNMENT
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 | | | | | |
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Architect
NBRS ARCHITECTURE

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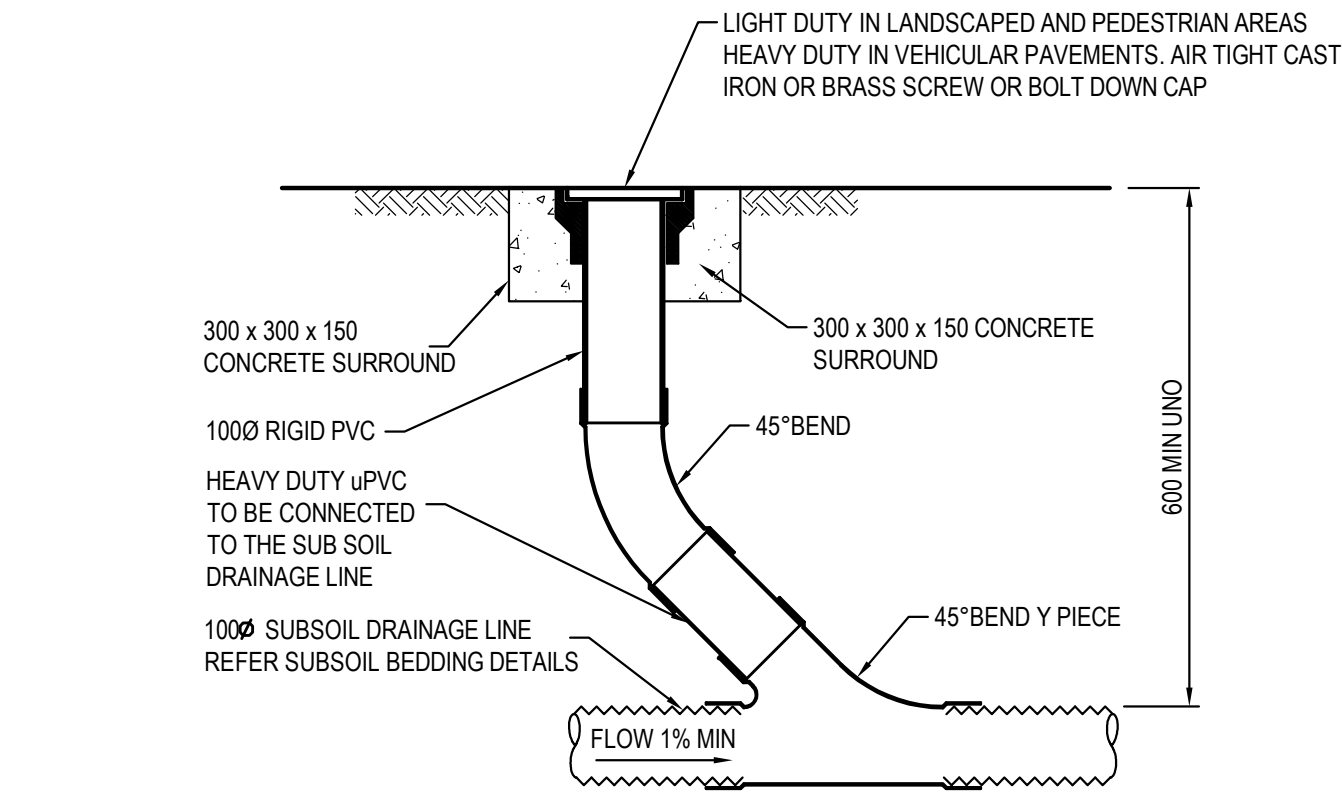
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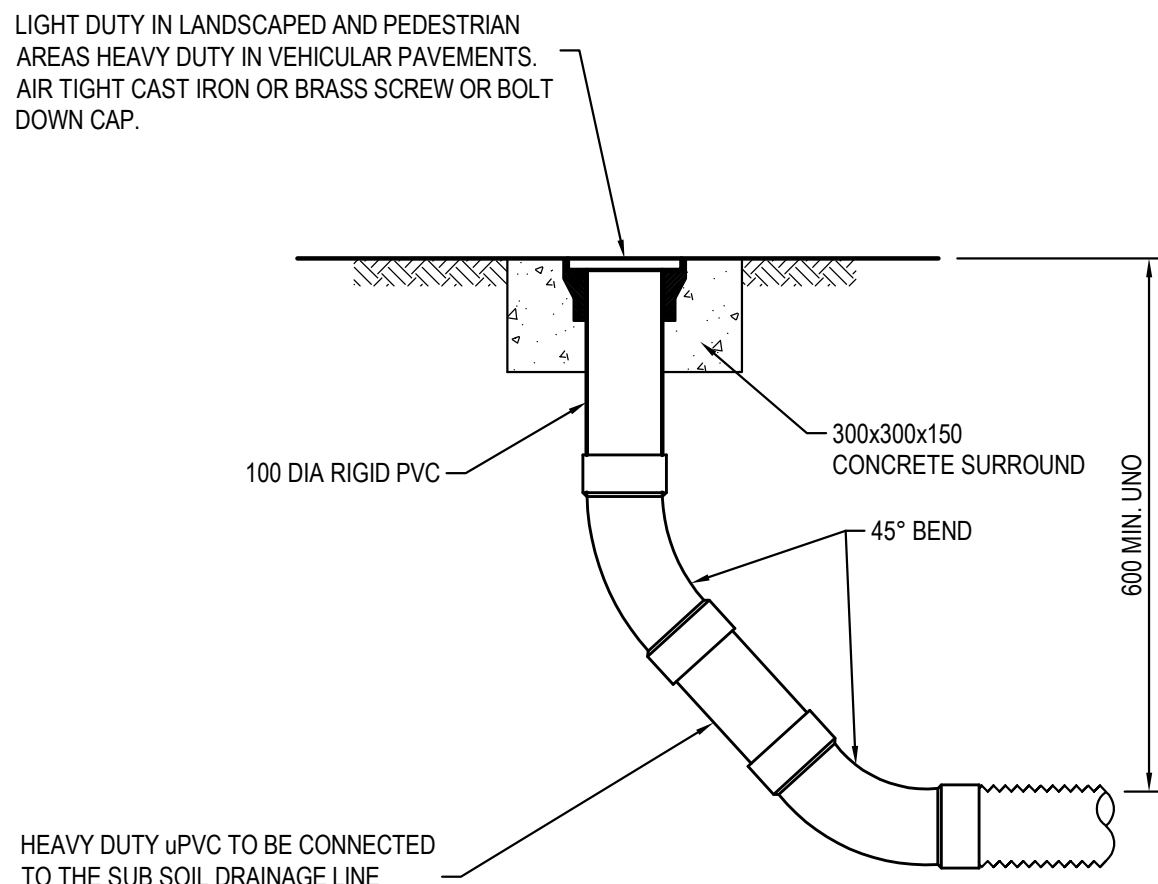
Project
**MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW**
Title
**STORMWATER MISCELLANEOUS DETAILS
& PIT LID SCHEDULE**

| | | |
|--|-----------------------|-----------------------|
| Drawn I.Khachab | Designed N.Wetzlar | Date JUNE 2019 |
| Checked N.Wetzlar | Approved A.Francis | Scale AS NOTED |
| Drawing number 19D28_SSDA_C200 | | Revision 05 |



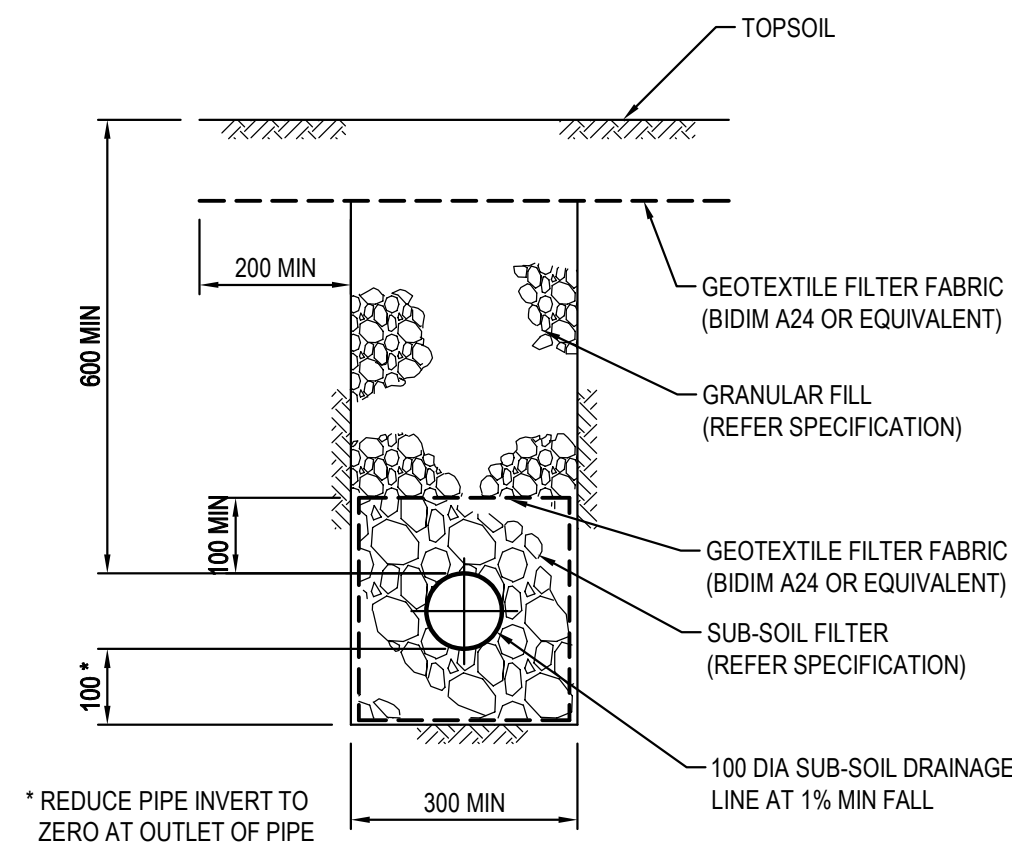
INTERMEDIATE RISER (IR)

SCALE 1:10
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



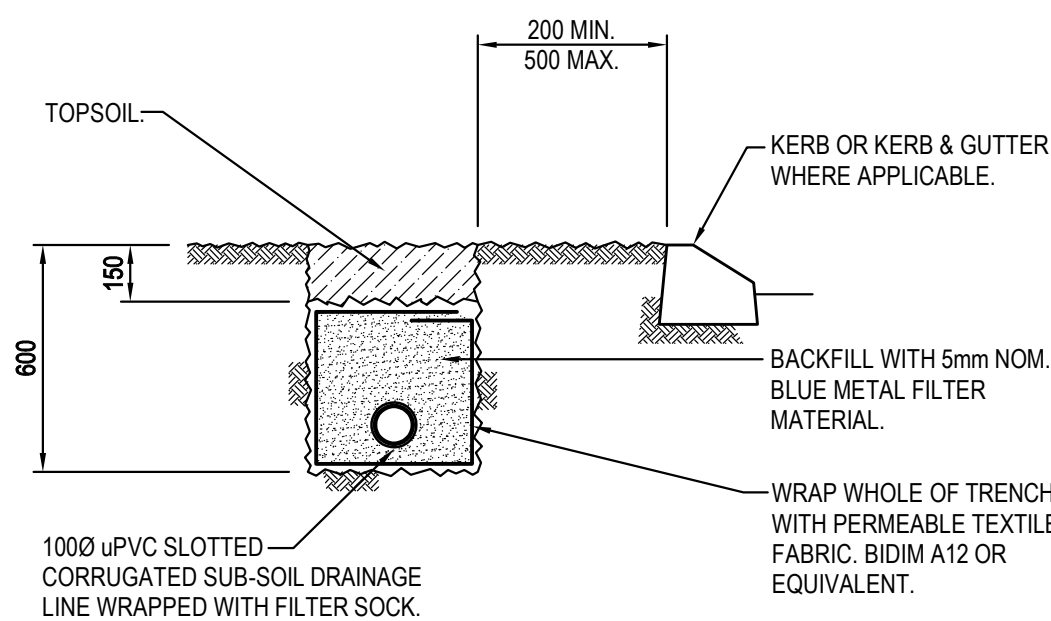
FLUSHING POINT (FP)

SCALE 1:10
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



SUB-SOIL IN LANDSCAPED AREAS

SCALE 1:10



SUB-SOIL DRAIN DETAIL

SCALE 1:20

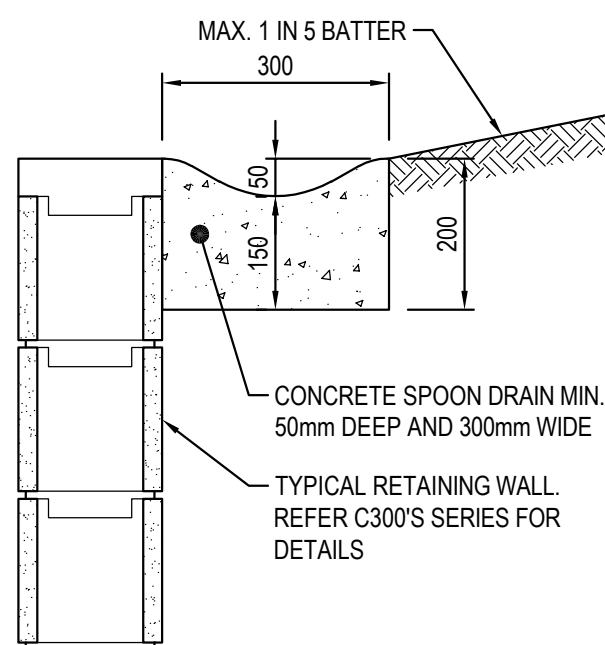
SUBSOIL DRAINAGE NOTES

- GENERALLY PROVIDE SUBSOIL DRAINS TO INTERCEPT GROUNDWATER SEEPAGE AND PREVENT WATER BUILD-UP BEHIND WALLS AND UNDER FLOORS AND PAVEMENTS. CONNECT SUBSOIL TO SURFACE DRAINS OR TO THE STORMWATER DRAINAGE SYSTEM AS APPLICABLE.
- PIPE DEPTH:
PROVIDE THE FOLLOWING MINIMUM CLEAR DEPTH, MEASURED TO THE CROWN OF THE PIPE, WHERE THE PIPE PASSES BELOW THE FOLLOWING ELEMENTS:
 - 100mm BELOW FORMATION LEVEL OF THE PAVEMENT, KERB OR CHANNEL.
 - 100mm BELOW THE AVERAGE GRADIENT OF THE BOTTOM OF FOOTINGS.
- JOINTING:
AT JUNCTIONS OF SUBSOIL PIPES PROVIDE TEES, COUPLINGS OR ADAPTORS TO AS2439.1.
- TRENCH WIDTH MINIMUM 300mm.
- PIPE UNDERLAY
GENERAL: GRADE THE TRENCH FLOOR EVENLY TO THE GRADIENT OF THE PIPELINE. IF THE TRENCH FLOOR IS ROCK, CORRECT ANY IRREGULARITIES WITH COMPACTED BEDDING MATERIAL. BED PIPING ON A CONTINUOUS UNDERLAY OF BEDDING MATERIAL, AT LEAST 75mm THICK AFTER COMPACTION. LAY THE PIPE WITH ONE LINE OF PERFORATIONS AT THE BOTTOM.

CHASES: IF NECESSARY TO PREVENT PROJECTIONS SUCH AS SOCKETS AND FLANGES FROM BEARING ON THE TRENCH BOTTOM OR UNDERLAY.
- PIPE SURROUNDS:
GENERAL: PLACE THE MATERIAL IN THE PIPE SURROUND IN LAYERS SMALLER THAN OR EQUAL TO 200mm LOOSE THICKNESS, AND COMPACT WITHOUT DAMAGING OR DISPLACING PIPING.
DEPTH OF OVERLAY: TO THE UNDERSIDE OF THE BASE OF OVERLYING STRUCTURES SUCH AS PAVEMENTS, SLABS AND CHANNELS TO WITHIN 150mm OF THE FINISHED SURFACE OF UNPAVED OR LANDSCAPED AREAS.
- FILTER SOCKS:
PROVIDE POLYESTER PERMEABLE SOCKS CAPABLE OF RETAINING PARTICLES OF 0.25mm SIZES. SECURELY FIT OR JOIN THE SOCK AT EACH JOINT.

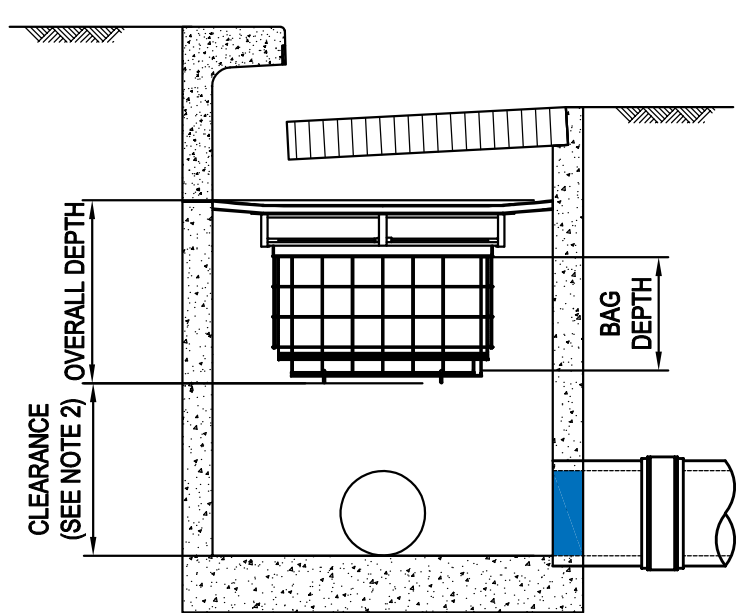
DRAINAGE NOTES:

- ALL STORMWATER WORK TO COMPLY WITH AS 3500 PART 3.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE MINIMUM COVER OF 600mm ON ALL PIPES.
- PROTECTION OF PIPES DUE TO LOADS EXCEEDING W7 WHEEL LOAD SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- BEDDING TYPE SHALL BE TYPE H2 FOR RCP. WHERE NECESSARY THE OVERLAY ZONE SHALL BE REDUCED TO ACCOMMODATE PAVEMENT REQUIREMENTS. REFER TO THIS DRAWING FOR DETAILS.
- MINIMUM COVER OVER EXISTING PIPES FOR PROTECTION DURING CONSTRUCTION SHALL BE 800mm.
- NO CONSTRUCTION LOADS SHALL BE APPLIED TO PLASTIC PIPES.
- FINISHED SURFACE LEVELS SHOWN ON LAYOUT PLAN DRGS TAKE PRECEDENCE OVER DESIGN DRAINAGE SURFACE LEVELS.
- ALL PIPES UP TO AND INCLUDING 300 DIA. SHALL BE SOLVENT OR RUBBER RING JOINTED PVC CLASS SH PIPE TO AS1260. ALL OTHER PIPES TO BE RCP USING CLASS 2 RUBBER RING JOINTED PIPE. HARDIES FRC PIPE MAY BE USED IN LIEU OF RCP IF DESIRED IN GROUND. ALL AERIAL PIPES TO BE PVC CLASS SH.
- ALL PITS IN NON TRAFFICABLE AREAS TO BE PREFABRICATED POLYESTER CONCRETE "POLYCRETE" WITH "LIGHT DUTY" CLASS B GALV. MILD STEEL GRATING AND FRAME. ALL PITS IN TRAFFICABLE AREAS (CLASS "D" LOADING MAX) TO HAVE 150mm THICK CONCRETE WALLS AND BASE CAST IN-SITU $f_{c'}=32$ MPa, REINFORCED WITH N12-200 BOTH LOADING WAYS CENTRALLY PLACE. U.N.O. ON SEPARATE DESIGN DRAWINGS IN THIS SET. GALV MILD STEEL GRATINGS AND FRAME TO SUIT DESIGN LOADING. PRECAST PITS, RECTANGULAR OR CIRCULAR IN SHAPE, MAY BE USED IN LIEU AND SHALL COMPLY WITH RELEVANT AUSTRALIAN STANDARDS.
- ALL PITS, GRATINGS AND FRAMES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION AND TO BE IN ACCORDANCE WITH AS3500.3 AND AS3996.
- PIT CHAMBER DIMENSIONS ARE TO BE SELECTED TO SATISFY THE FOLLOWING:
 - PIPE SIZE
 - DEPTH TO INVERT
 - SKEW ANGLEREFER TYPICAL PIT CHAMBER DETAILS BELOW
IF PIT LID SIZE IS SMALLER THAN THE PIT CHAMBER SIZE THEN THE PIT LID IS TO BE CONSTRUCTED ON THE CORNER OF THE PIT CHAMBER WITH THE STEP IRONS DIRECTLY BELOW. ALTERNATIVELY THE PIT LID TO BE USED, IS TO BE THE SAME SIZE AS THE PIT CHAMBER.
- FOR PIPE SIZES GREATER THAN Ø300mm, PIT FLOOR IS TO BE BENCHED TO FACILITATE FLOW.
- GALVANISED STEP IRONS SHALL BE PROVIDED AT 300 CTS FOR PITS HAVING A DEPTH EXCEEDING 1200mm. SUBSOIL DRAINAGE PIPE SHALL BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES. (MINIMUM LENGTH 3m).
- ALL SUBSOIL PIPES SHALL BE 100mm SLOTTED PVC IN A FILTER SOCK, UNO, WITH 3m INSTALLED UPSTREAM OF ALL PITS.
- ALL PIPEWORK SHALL HAVE MINIMUM DIAMETER 100.
- MINIMUM GRADE FOR ROOFWATER DRAINAGE LINES SHALL BE 1%.
- ALL PIPE JUNCTIONS AND TAPER UP TO AND INCLUDING 300 DIA. SHALL BE VIA PURPOSE MADE FITTINGS.
- ALL ROOF DRAINAGE TO BE INSTALLED IN ACCORDANCE WITH AS3500, PART 3. TESTING TO BE UNDERTAKEN AND REPORTS PROVIDED TO THE SUPERINTENDENT.
- LOCATION OF THE DIRECT DOWN PIPE CONNECTIONS MAY VARY ON SITE TO SUIT SITE CONDITIONS, WHERE CONNECTION SHOWN ON LONG SECTIONS CHAINAGES ARE INDICATIVE ONLY.
- PITS IN EXCESS OF 1.5 m DEEP TO HAVE WALL AND FLOOR THICKNESS INCREASED TO 200mm. REINFORCED WITH N12@200 CTS CENTRALLY PLACED BOTH WAYS THROUGHOUT U.N.O.ON SEPARATE DESIGN DRAWINGS IN THIS SET. IF DEPTH EXCEEDS 5m CONTACT ENGINEER.
- SUBSOIL DRAINAGE LINES FOR LANDSCAPE AREA NOT SHOWN ON THESE DRAWINGS. REFER TO LANDSCAPING PLANS FOR DETAILS.
- ALL STORMWATER PITS TO HAVE Ø100 uPVC SLOTTED SUBSOIL PIPES CONNECTED TO THEM. THESE SUBSOILS TO EXTEND 3m UPSTREAM OF THE PIT AT A MINIMUM GRADE.



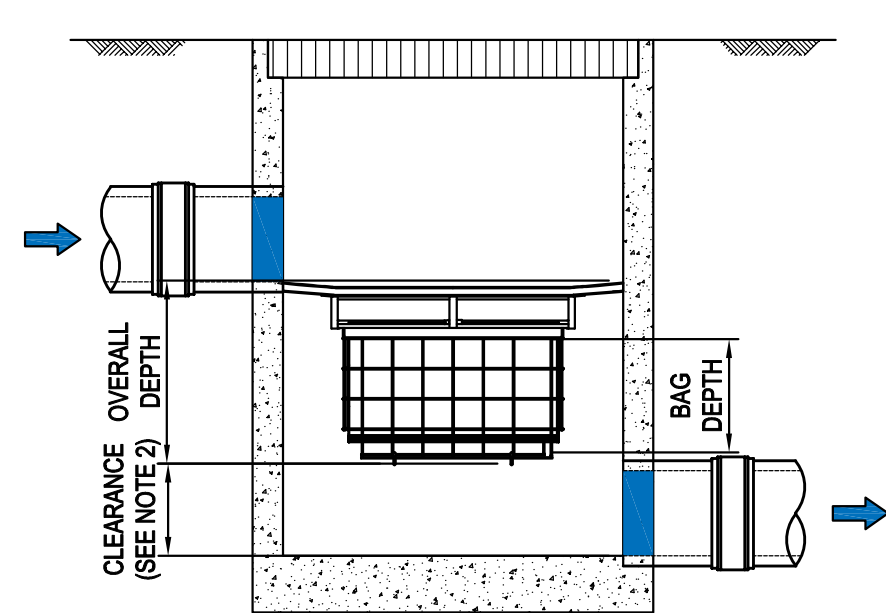
RW SPOON DRAIN DETAIL

SCALE 1:10



SURFACE FLOW CONFIGURATION

SCALE 1:20



PIPE FLOW CONFIGURATION

SCALE 1:20



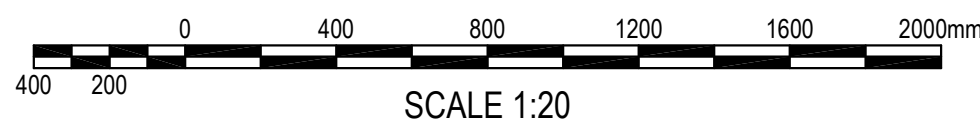
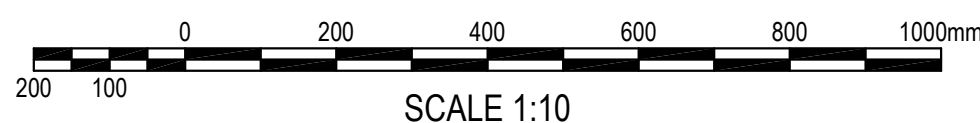
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OCEAN PROTECT
OCEANGUARD
TYPICAL ARRANGEMENTS
SPECIFICATION DRAWING

GENERAL NOTES

- THE MINIMUM CLEARANCE DEPENDS ON THE CONFIGURATION (SEE NOTE 2) AND THE LOCAL COUNCIL REQUIREMENTS.
- CLEARANCE FOR ANY PIT WITHOUT AN INLET PIPE (ONLY USED FOR SURFACE FLOW) CAN BE AS LOW AS 50mm. FOR OTHER PITS, THE RECOMMENDED CLEARANCE SHOULD BE GREATER OR EQUAL TO THE PIPE OBVERT SO AS NOT TO INHIBIT HYDRAULIC CAPACITY.
- OCEAN PROTECT PROVIDES TWO FILTRATION BAG TYPES:- 200 MICRON BAGS FOR HIGHER WATER QUALITY FILTERING AND A COARSE BAG FOR TARGETING GROSS POLLUTANTS.
- DRAWINGS NOT TO SCALE.



SURVEY INFORMATION

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

| REVISION | AMENDMENT | DRAWN | DESIGNED | DATE | REVISION | AMENDMENT | DRAWN | DESIGNED | DATE |
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Client
ADCO CONSTRUCTIONS PTY LTD

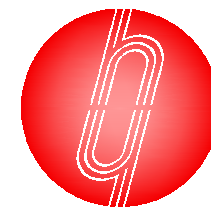
Architect
NBRS ARCHITECTURE

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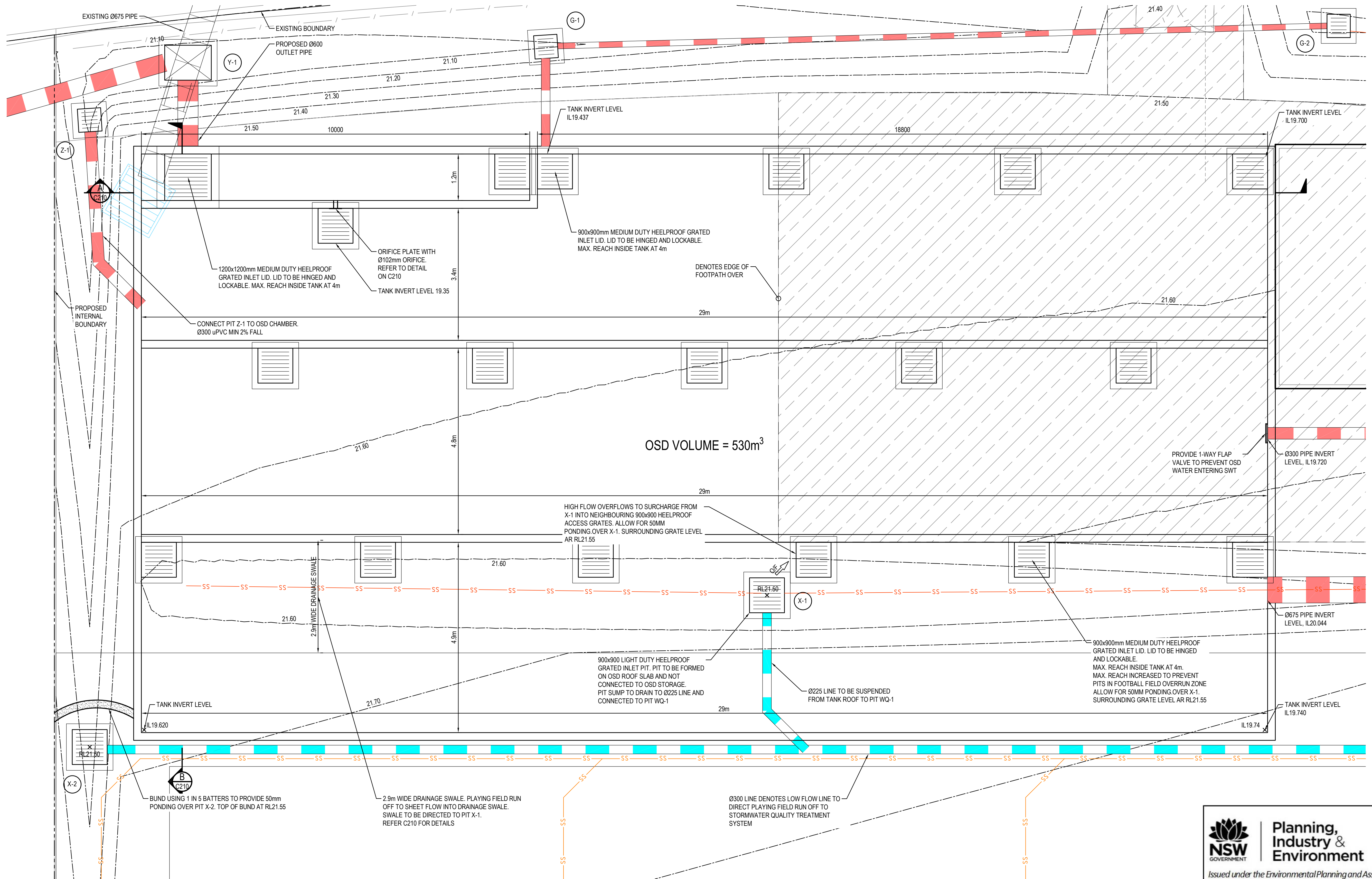
Project
**MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW**

Title
STORMWATER MISCELLANEOUS DETAILS

Drawn
I.Khachab
Designed
N.Wetzlar
Checked
N.Wetzlar
Approved
A.Francis
Date
JUNE 2019
Scale
AS NOTED

Drawing number
19D28_SSDA_C201
Revision
05

ISSUED FOR APPROVAL

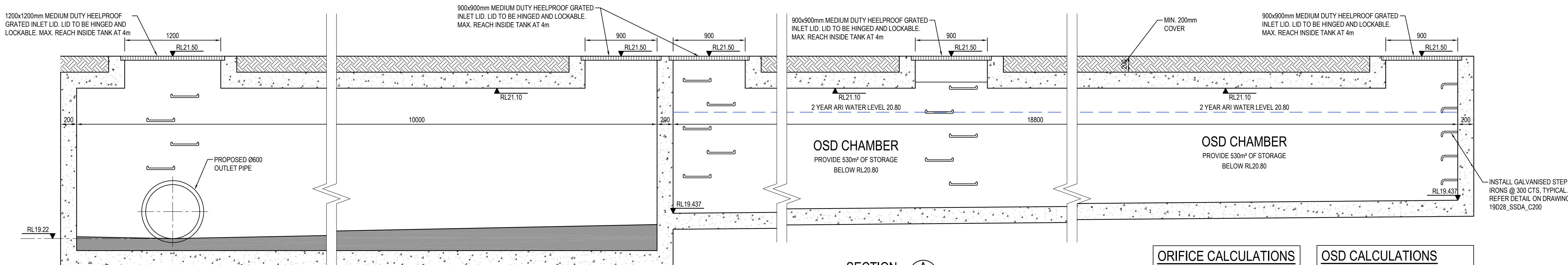
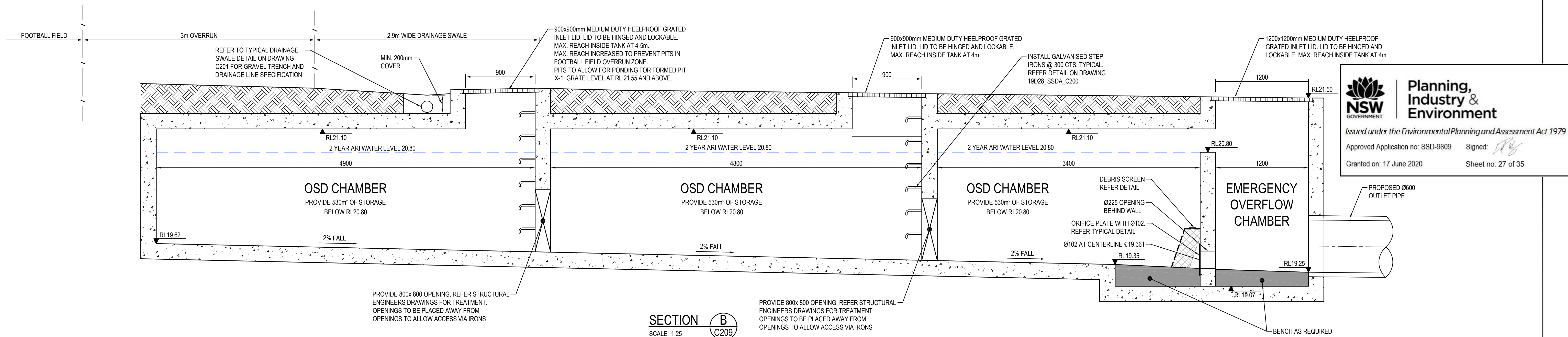


OSD TANK PLAN
SCALE 1:50

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: 26 of 35

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| SURVEY INFORMATION SURVEYED BY LCG DATUM: A.H.D. ORIGIN OF LEVELS: SSM191370 | | | | Client ADCO CONSTRUCTIONS PTY LTD | | | | Suite 2.01 828 Pacific Highway, Gordon NSW 2072 | | | | Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hconsult.com.au Web www.henryandhymas.com.au | | | | Project MARSDEN PARK PUBLIC SCHOOL NORTHBOURNE DR MARSDEN PARK NSW | | | | Drawn I.Khachab Checked N.Wetzlar | | | | Designed N.Wetzlar Approved A.Francis | | | | Date JUNE 2019 Scale @A1 AS NOTED | | | |
| 03 ISSUED FOR SSDA APPROVAL ONLY | | | | IK NW 15.05.2020 | | | | This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas. | | | | Drawing number 19D28_SSDA_C209 | | | | Revision 03 | | | | | | | | | | | | | | | |
| 02 ISSUED FOR COORDINATION | | | | IK NW 08.05.2020 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 ISSUED FOR SSDA APPROVAL ONLY | | | | IK NW 24.03.2020 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REVISION | | | | AMENDMENT | | | | DRAWN | | | | DESIGNED | | | | DATE | | | | | | | | | | | | | | | |



ORIFICE CALCULATIONS

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

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

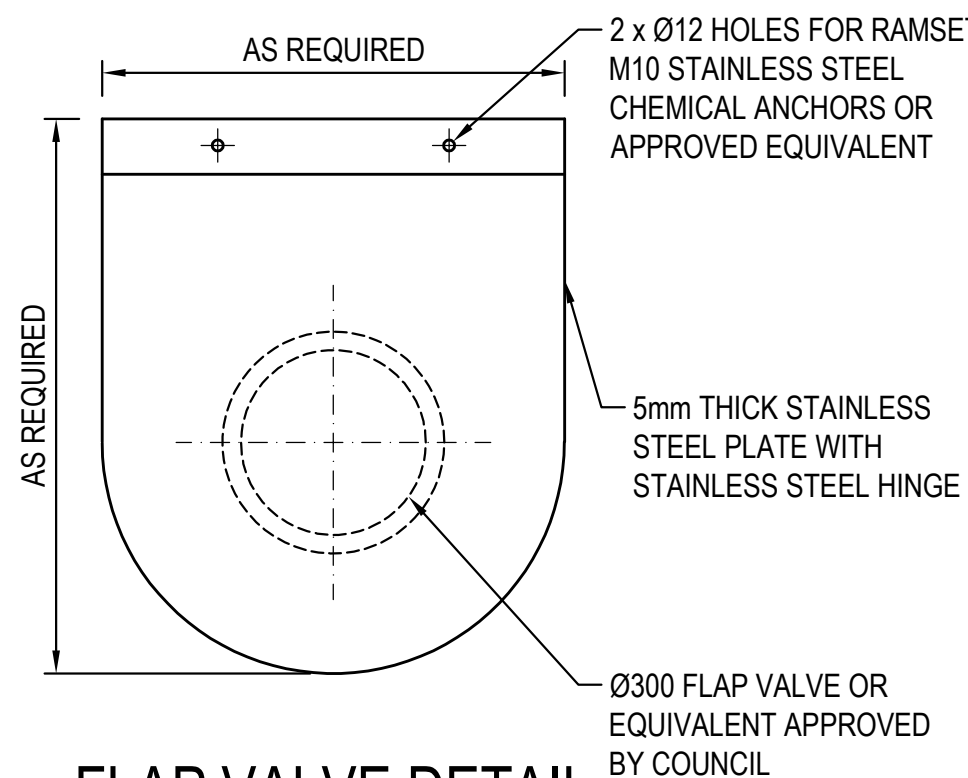
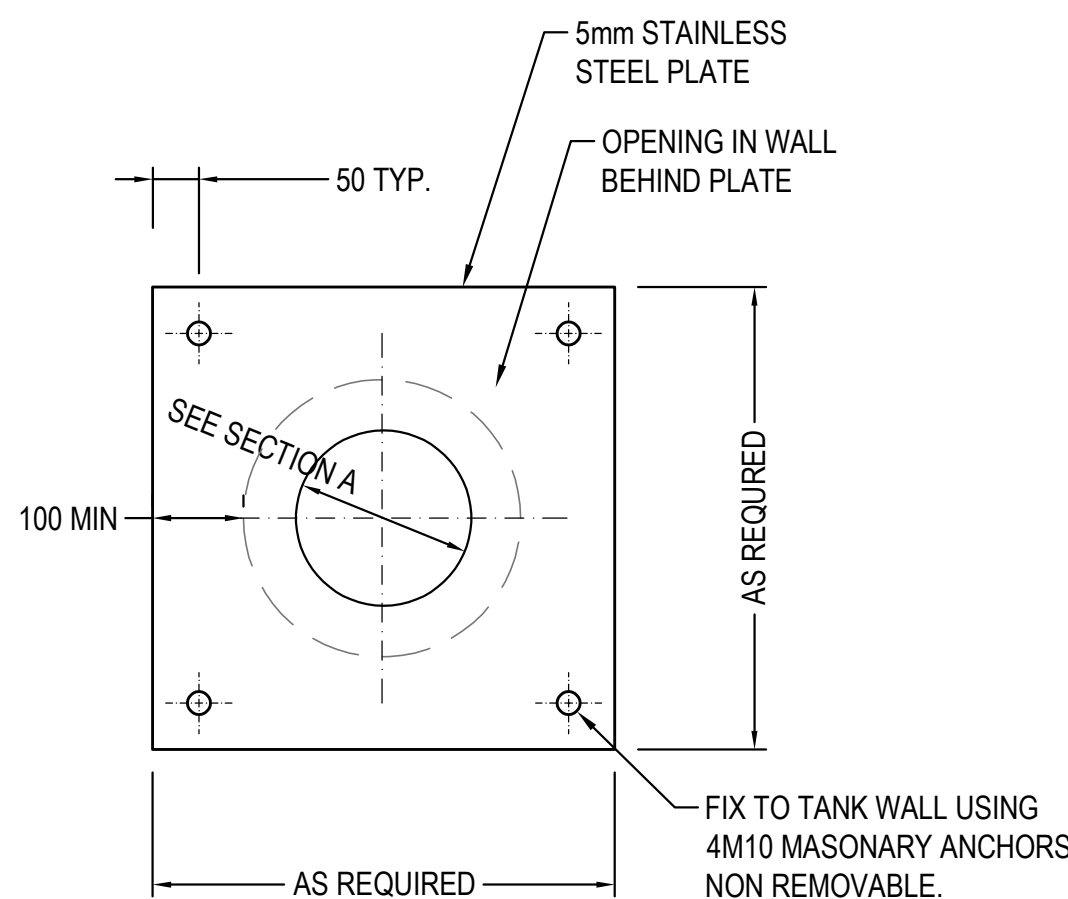
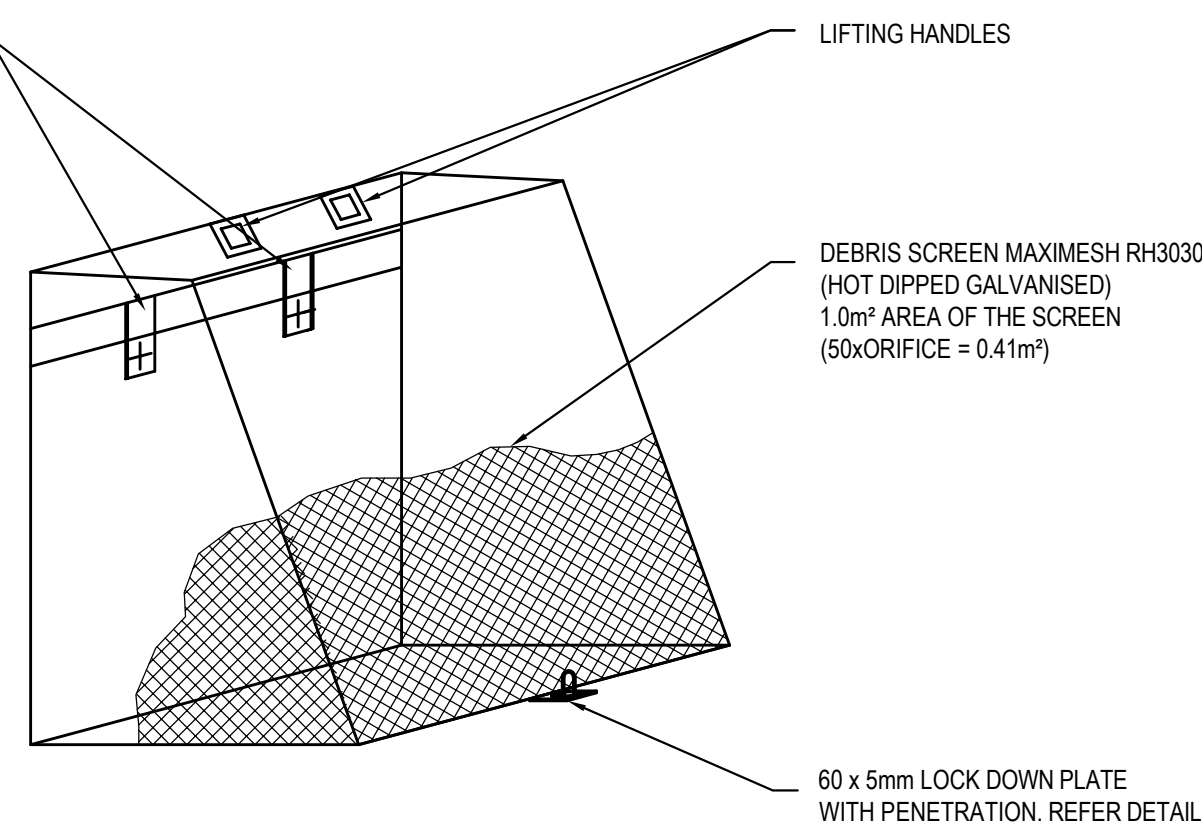
g = 9.81m/s²
h = 20.80 - 19.361 = 1.439
Q = 25l/s
A = 0.008m²
DIAMETER = 0.102mm

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



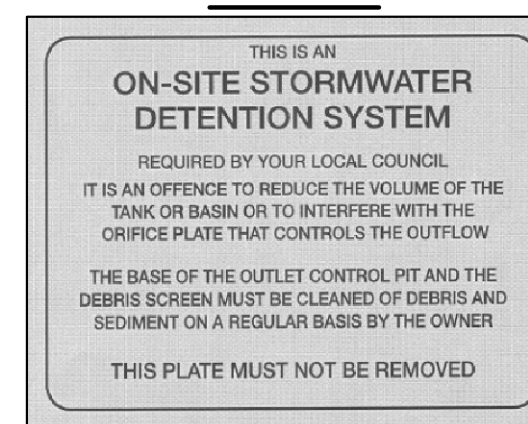
CONFINED SPACE DANGER SIGN



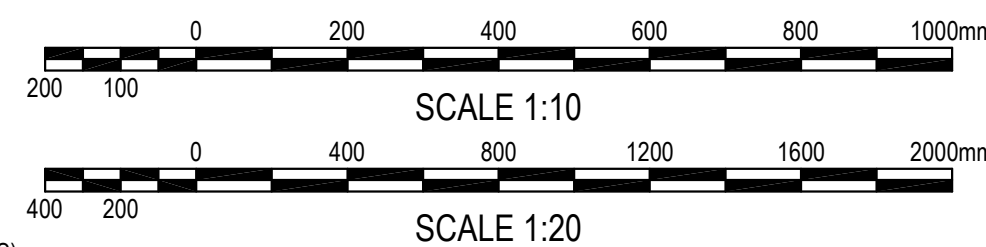
COLOURS: DANGER AND BACKGROUND WHITE
ELLIPTICAL AREA RED
RECTANGLE CONTAINING ELLIPSE BLACK
OTHER LETTERING AND BORDER BLACK

- 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 | HR | NW | 24.02.2020 | | | | | |
| 01 | PRELIMINARY | IK | NW | 13.02.2020 | | | | | |

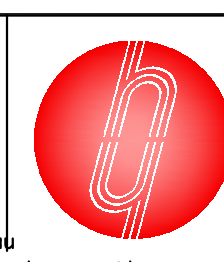
Client
ADCO CONSTRUCTIONS PTY LTD

Architect
NBRS ARCHITECTURE

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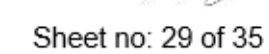


Project
**MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW**

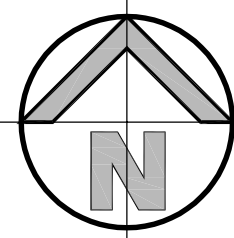
Title
OSD TANK SECTIONS AND DETAILS

Drawn
I.Khachab
Checked
N.Wetzlar
Designed
N.Wetzlar
A.Francis
Date
JUNE 2019
Scale @A1
AS NOTED

Drawing number
19D28_SSDA_C210
Revision
05



| <u>SURVEY</u> | | | | | | | |
|-----------------------------|-------------------------------|-------|----------|------|------------|-----------|------|
| <u>INFORMATION</u> | | | | | | | |
| SURVEYED BY LCG | | | | | | | |
| DATUM: A.H.D. | | | | | | | |
| ORIGIN OF LEVELS: SSM191370 | | | | | | | |
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| 03 | ISSUED FOR COORDINATION | | IK | NW | 11/05/2020 | | |
| 02 | ISSUED FOR COORDINATION | | IK | NW | 08/05/2020 | | |
| 01 | ISSUED FOR SSDA APPROVAL ONLY | | IK | NW | 24/03/2020 | | |
| REVISION | AMENDMENT | DRAWN | DESIGNED | DATE | REVISION | AMENDMENT | DATE |



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

ISSUED FOR APPROVAL

SURVEY INFORMATION SURVEYED BY RPS

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

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| 02 | ISSUED FOR SSDA APPROVAL ONLY | KR | NW | 24.03.2020 | | | | | |
| 01 | ISSUED FOR TENDER ONLY | KR | NW | 24.02.2020 | | | | | |

Client
ADCO CONSTRUCTIONS PTY LTD

Architect
NBRS ARCHITECTURE

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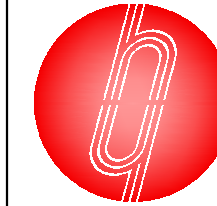


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Project
MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW

Title
CATCHMENT PLAN

Drawn
I.Khachab

Designed
N.Wetzlar

Checked
N.Wetzlar

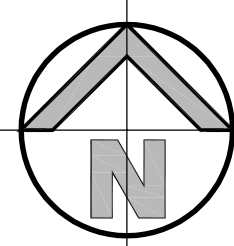
Approved
A.Francis

Date
JAN 2020

Scale @A1
1:400

Revision
04

Drawing number
19D28_SSDA_C250



Planning,
Industry &
Environment

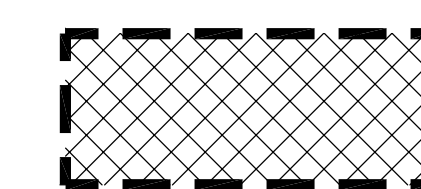
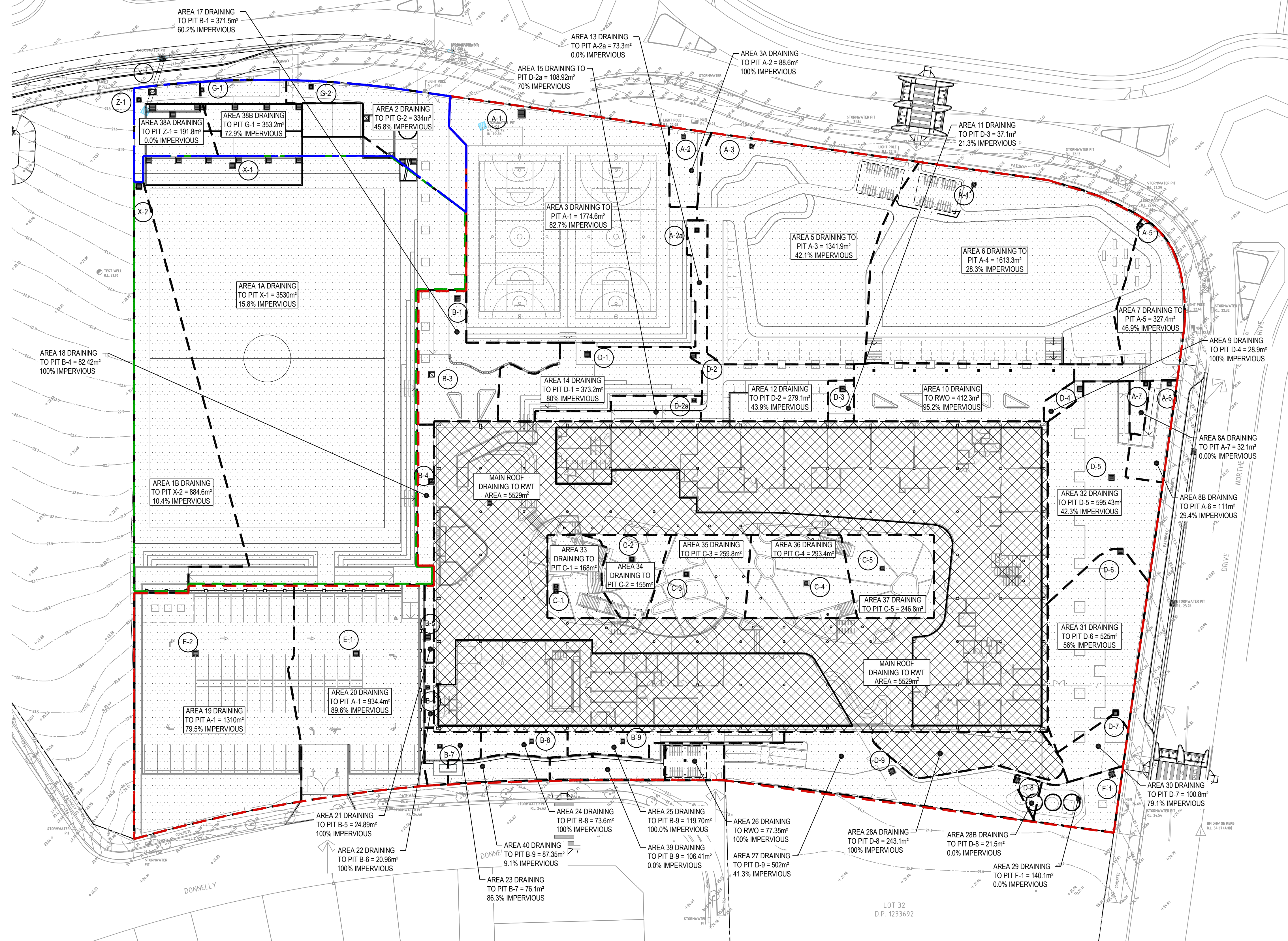
Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-9809

Signed: *[Signature]*

Granted on: 17 June 2020

Sheet no: 31 of 35



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

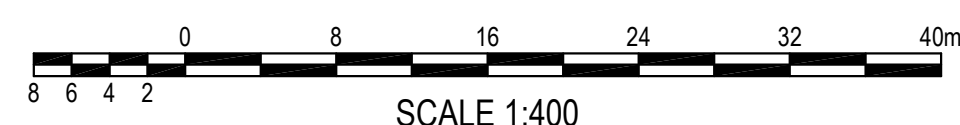
1 YEAR FLOW = 0.042m³/S
3 MONTH FLOW = 0.021m³/S



C3 - CATCHMENT TO BYPASS
JELLYFISH SYSTEM = 878.2m²

DETAIL CATCHMENT PLAN

SCALE 1:400



ISSUED FOR APPROVAL

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

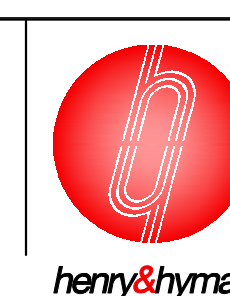
| REVISION | AMENDMENT | DRAWN | DESIGNED | DATE | REVISION | AMENDMENT | DRAWN | DESIGNED | DATE |
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Client
ADCO CONSTRUCTIONS PTY LTD
Architect
NBRS ARCHITECTURE

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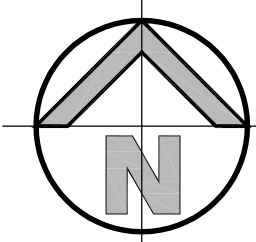
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Project
MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW
Title
DETAIL CATCHMENT PLAN

| | | |
|-----------------------------------|-----------------------|--------------------|
| Drawn I.Khachab | Designed N.Wetzlar | Date JAN 2020 |
| Checked N.Wetzlar | Approved A.Francis | Scale @A1 1:400 |
| Drawing number 19D28_SSDA_C251 | | Revision 04 |

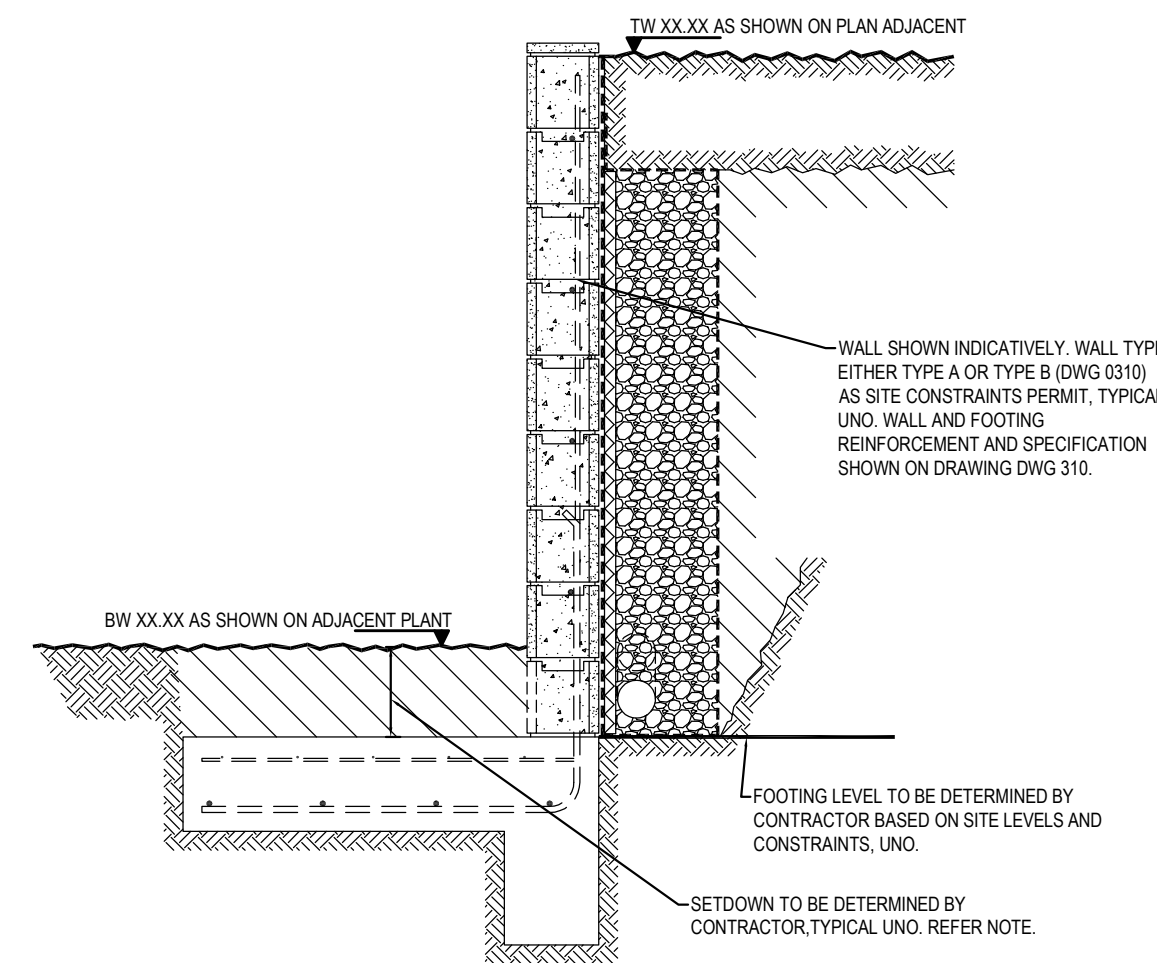


LEGEND

RW PROPOSED 190 BLOCK WORK
RETAINING WALL

RETAINING WALLS NOTES

1. DRAINAGE SHALL BE PROVIDED AS SHOWN ON THE DRAINAGE DRAWINGS.
2. 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.
3. PROVIDE WATERPROOFING TO BACK WALLS AS SPECIFIED OR NOTED.
4. 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.
5. 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

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: 32 of 35

ISSUED FOR APPROVAL

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

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| 01 | PRELIMINARY | IK | NW | 13.02.2020 | | | | | |

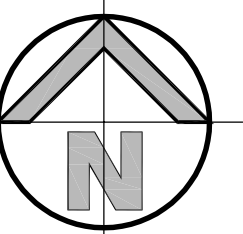
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Architect
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Project
MARSDEN PARK PUBLIC SCHOOL
NORTHBOURNE DR MARSDEN PARK NSW
Title
RETAINING WALL PLAN
Drawing number
19D28_SSDA_C300

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

| 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 |

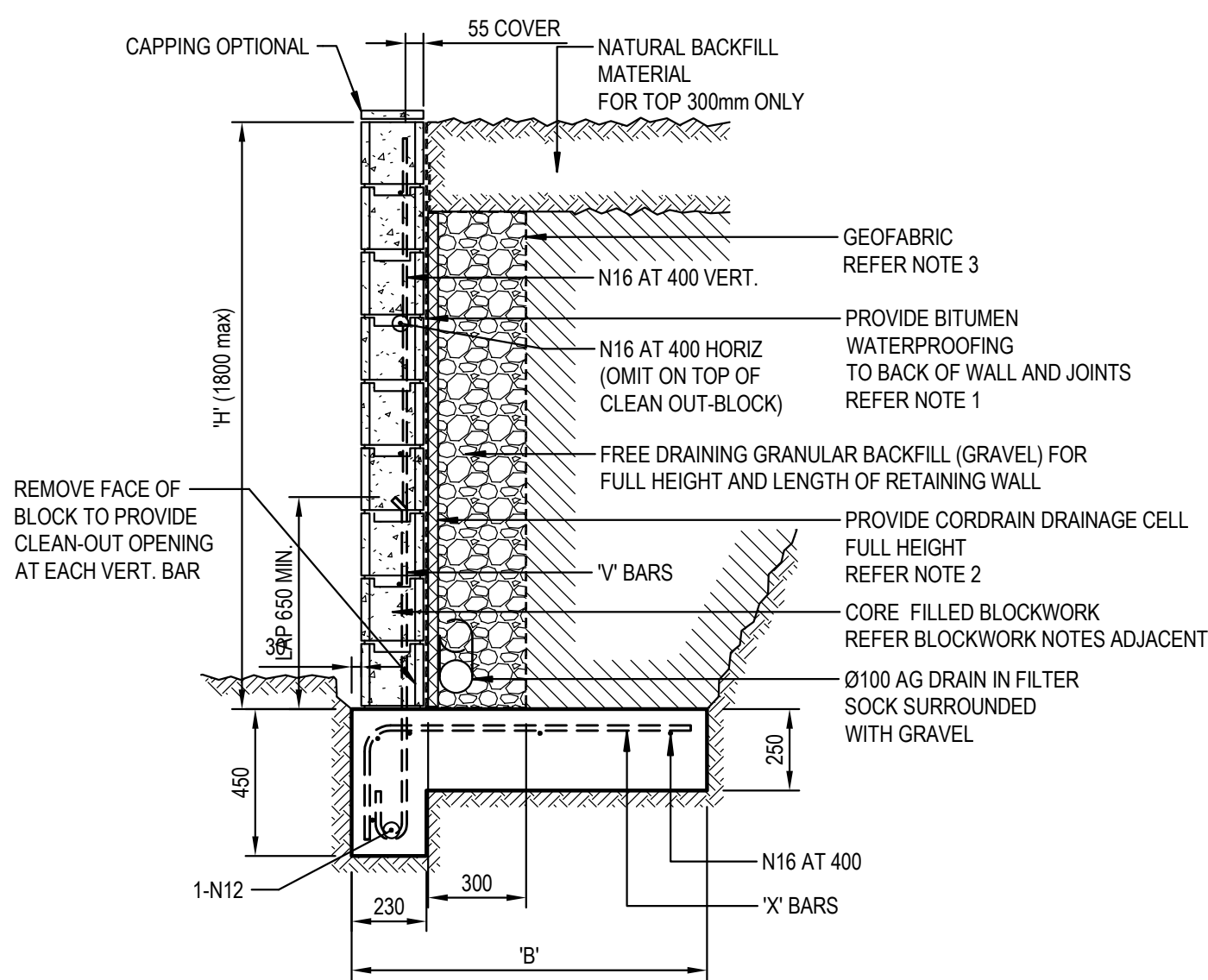
* - FOR REACTIVE 'CLASS M' SITES ONLY. REFER TABLE 4.3 OF AS3700.2011 FOR ARTICULATION JOINTS IN CLAY MASONRY.

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 COURSE 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 BLOCKOUT 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 Classif'n. | Min. Conc. Grade (fc) MPa U.N.O | Conc. Cover (U.N.O.) |
|--------------------|--------|----------------|-------------|---------------------|---------------------------------|----------------------|
| Core Filling Grout | 230±30 | 10 | GP | - | 20 | - |

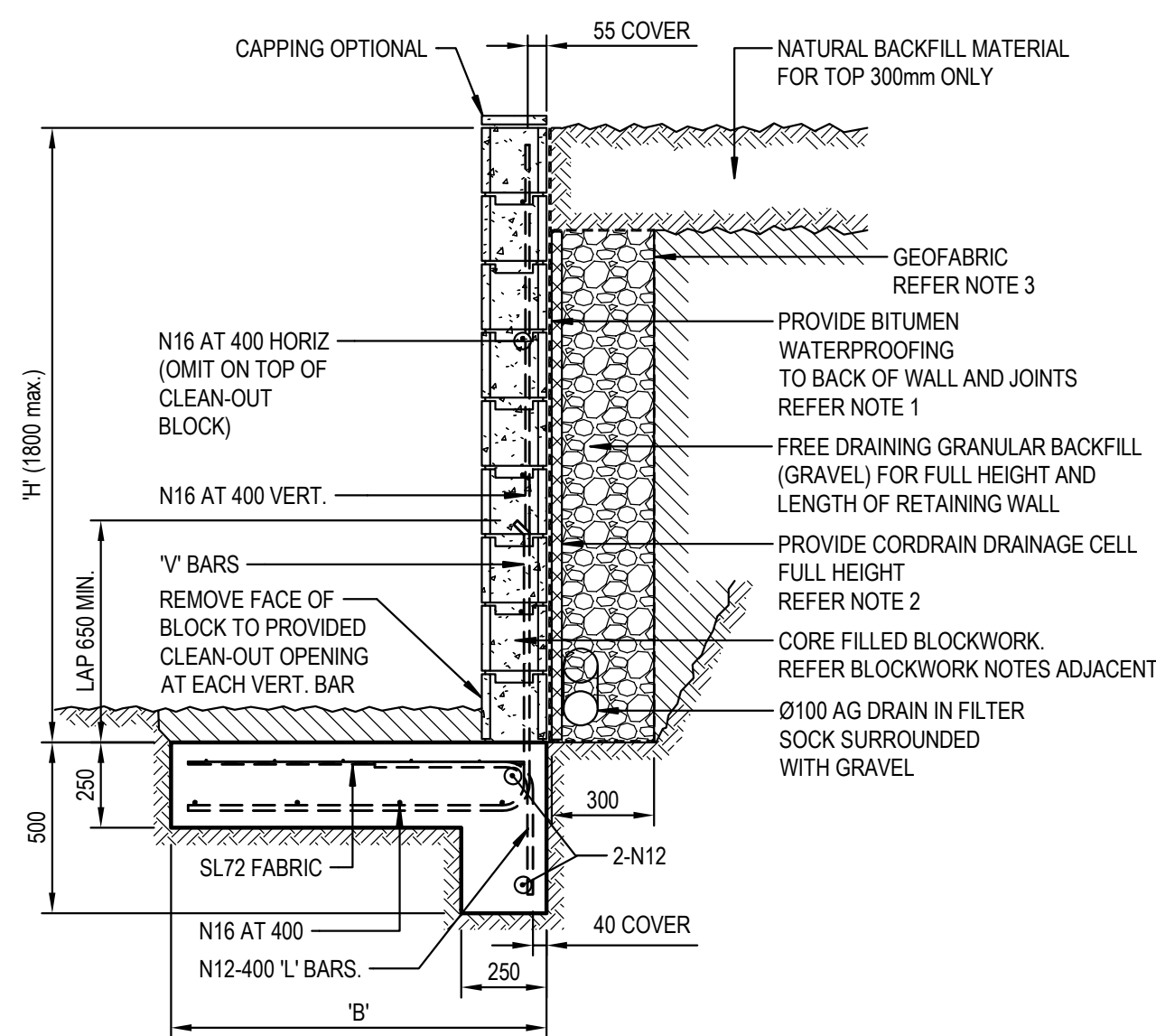


200 SERIES BLOCK WALL - TYPE A

| 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

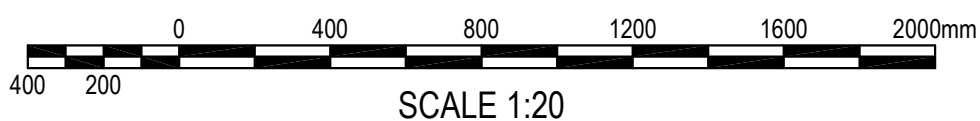


200 SERIES BLOCK WALL - TYPE B


| 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

[illegible]



Approved Application no: SSD-9809 Signed: 

Granted on: 17 June 2020 Sheet no: 34 of 35

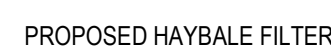


- ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH RESPECTIVE COUNCIL SPECIFICATIONS AND LANDSCAPE'S "SOIL AND CONSTRUCTION" MANUAL.
- ALL PERIMETER & SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN EARTH WORKS AND/OR CLEARING.
- 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.

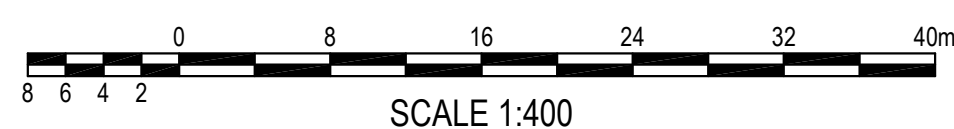
CD CD → CATCH DIVERSION DRAIN¹

TM TM → TRAFFIC MANOEUVRING

○ ○ ○ ○ ○ PROPOSED SEDIMENTATION FENCE



SCALE 1:400

[illegible]

