



- KEY
- SITE AND EXTERNAL AREAS
- a.01 OVAL
 - a.02 ENTRY
 - a.03 PARKING
 - a.04 COACHES BENCH
 - a.05 ACCESS GATE - PROPOSED 240V POINT
 - a.06 EX. OVAL LIGHT TOWER - PROPOSED 240V POINT
 - a.07 EXTERNAL OBV CABLE ROUTE ENTRY
 - a.08 UNDERGROUND OBV CABLE ROUTE ENTRY
 - a.09 BICYCLE PARKING
- GRANDSTAND - REFURBISHMENT
- b.01 ENTRY
 - b.02 CHANGE ROOM 01 (27)
 - b.03 CHANGE ROOM 02 (28)
 - b.04a AMENITIES 01
 - b.04b AMENITIES 02
 - b.04c AMENITIES 03
 - b.04d AMENITIES 04
 - b.05 CHANGE ROOM 01 VESTIBULE
 - b.06 CHANGE ROOM 02 VESTIBULE
 - b.07a FIRST AID 01
 - b.07b FIRST AID 02
 - b.08 SMALL EVENT UMPIRES
 - b.09 BIG EVENT UMPIRES
- GRANDSTAND - EXTENSION
- c.01 LIFT AND STORE VESTIBULE
 - c.02 STORE
 - c.03 CHAIRS AND TABLES STORAGE
 - c.04 ENTRY
 - c.05 CHANGE ROOM 03 (30)
 - c.06 MEDICAL ROOM 01
 - c.07 CHANGE ROOM 04 (30)
 - c.08 MEDICAL ROOM 02
 - c.09 AMENITIES
 - c.10 ICE BATH
 - c.11 CLUB ROOM
 - c.12 -
 - c.13 -
 - c.14 GYMNASIUM
 - c.15 GYMNASIUM STORE
 - c.16 ACCESSIBLE TOILET
- MULTIPURPOSE BUILDING
- d.01 CANTEEN
 - d.02 KITCHEN AND STORE AREA
 - d.03 AMENITIES - FEMALE
 - d.04 AMENITIES - MALE
 - d.05a ACCESSIBLE TOILET 01
 - d.05b ACCESSIBLE TOILET 02
 - d.05c ACCESSIBLE TOILET 03
 - d.05d ACCESSIBLE TOILET 04
 - d.06 TIME KEEPERS
 - d.07 RADIO BOX (OR MATCH OPERATIONS)
 - d.08 PRINT AND ONLINE MEDIA ROOM
 - d.09 COACHES BOX 01 - HOME
 - d.10 COACHES BOX 02 - AWAY
 - d.11 BROADCAST CAMERA POSITION
 - d.12 BROADCAST
 - d.13 CHAMPIONS DATA / STATISTIANS
 - d.14 UMPIRE OBSERVERS
 - d.15 PA/SCOREBOARD
 - d.16 PLAZA
 - d.17 EMERGENCY MANAGEMENT CENTRE
- VERTICAL CIRCULATION
- e.01 LIFT 01
 - e.02 LIFT 02
 - e.03 STAIR 01
 - e.04 STAIR 02
 - e.05 STAIR 03
 - e.06 STAIR 04
 - e.07 STAIR 05
 - e.08 RAMP
 - e.09 STORE
 - e.10 BBQ STORAGE
 - e.11 CLEANERS ROOM

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ISSUE	DATE	AMENDMENTS
04	23.10.30	SECTION 4.55 MOD. APP. AMENDMENT
03	23.06.09	SECTION 4.55 MOD. APP.
02	23.06.02	SECTION 4.55 MOD. APP. DRAFT
01	21.12.10	DA ISSUE

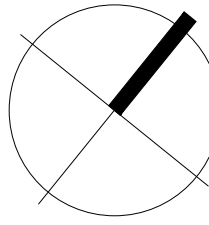


AFL NSW/ACT
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HENSON PARK
UPGRADES

22 CENTENNIAL ST, MARRICKVILLE NSW 2204

SITE PLAN



SCALE 1:500 @ A1 / 1:1000 @ A3
APPROVED
DRAWN MN
CHECKED PG
DATE JULY 2023
STATUS MOD. APP.

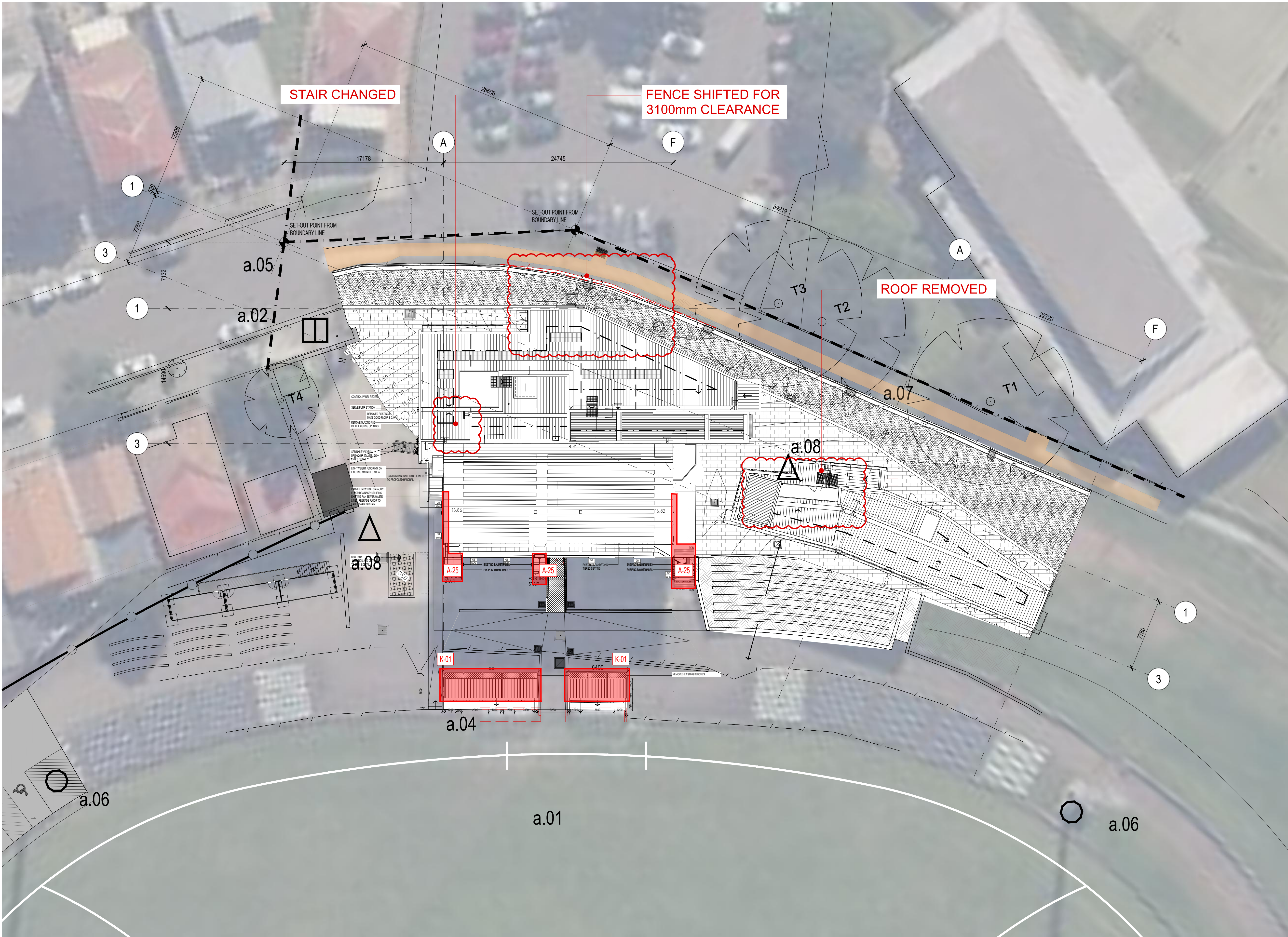
PROJECT NUMBER 21009
DRAWING NUMBER

A100

04

ISSUE

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- KEY
- SITE AND EXTERNAL AREAS
- a.01 OVAL
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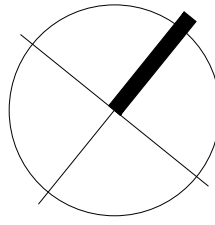


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HENSON PARK
UPGRADES

22 CENTENNIAL ST, MARRICKVILLE NSW 2204

SITE PLAN



SCALE 1:200 @ A1
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DRAWN MN
CHECKED PG
DATE JULY 2023
STATUS MOD. APP.

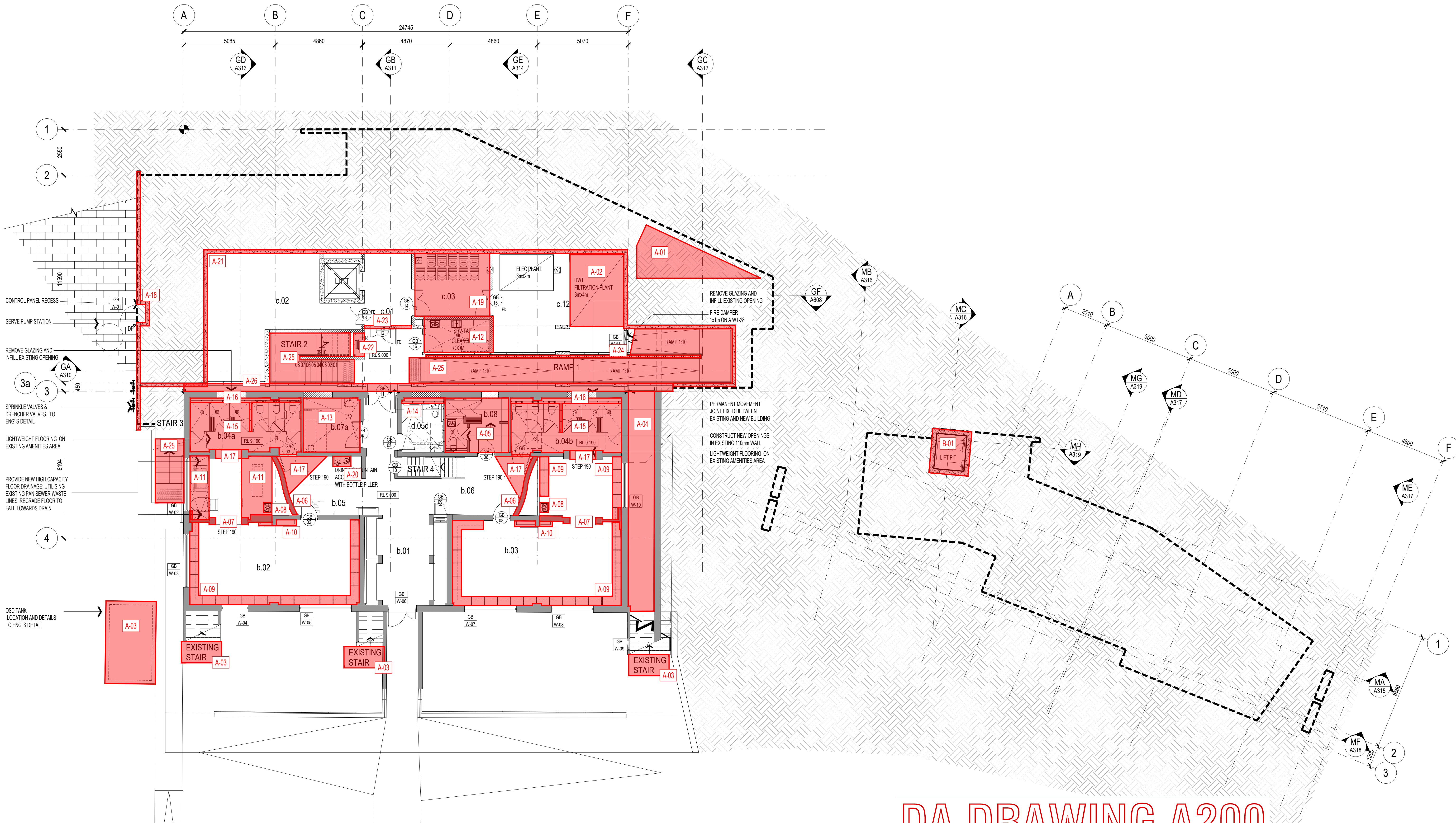
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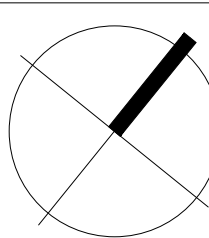
ISSUE	DATE	AMENDMENTS
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02	23.06.02	SECTION 4.55 MOD. APP. DRAFT
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PROJECT
HENSON PARK
UPGRADES
22 CENTENNIAL ST, MARRICKVILLE NSW 2204

BASEMENT FLOOR PLAN



SCALE 1:100 @ A1 / 1:200 @ A3
APPROVED
DRAWN HH
CHECKED PG
DATE JULY 2023
STATUS MOD. APP.

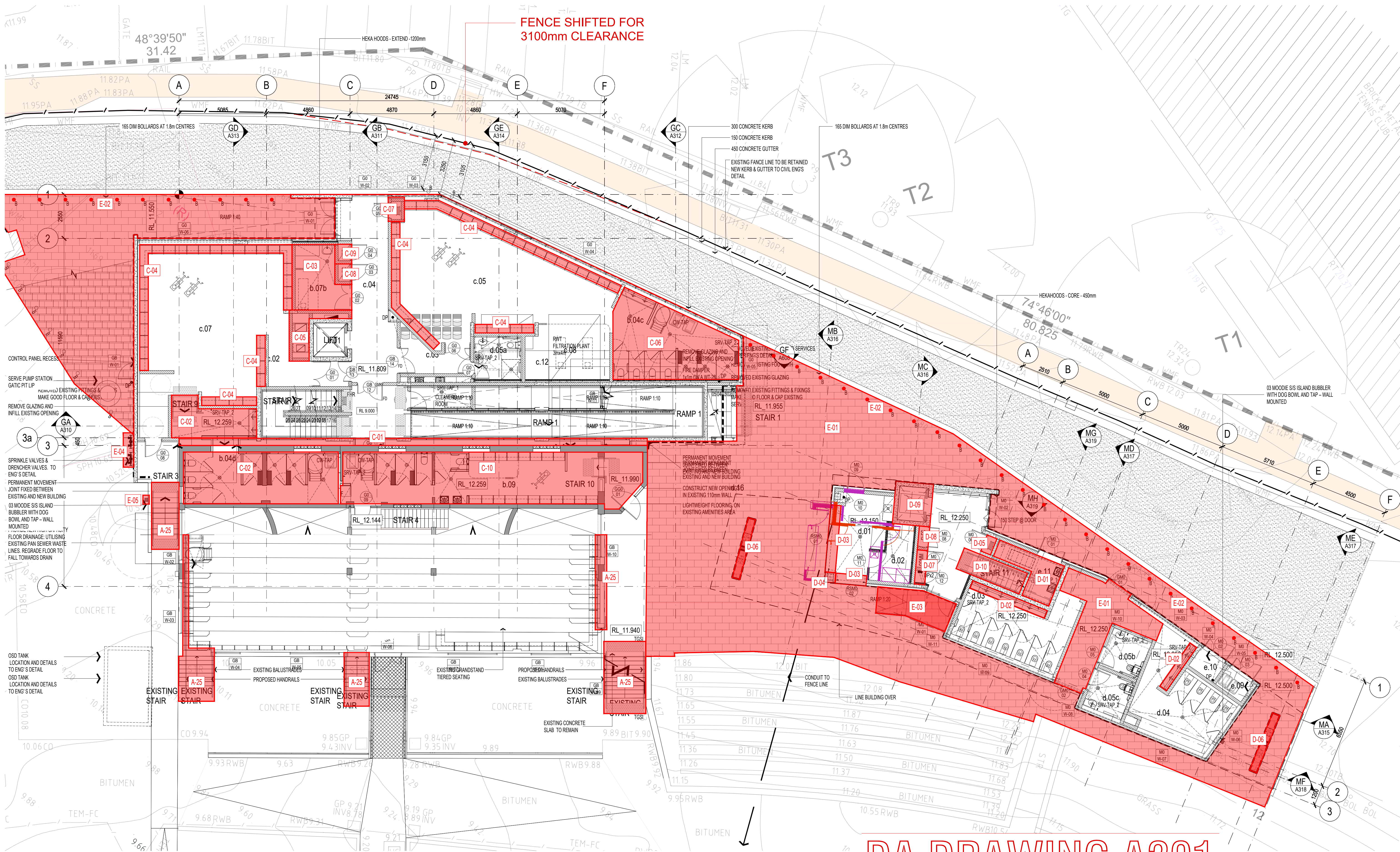
PROJECT NUMBER
21009

DRAWING NUMBER

A200

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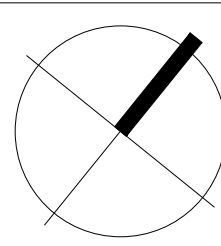
NO	DATE	AMENDMENTS
04	23.10.30	SECTION 4.55 MOD APP AMENDMENT
03	23.06.09	SECTION 4.55 MOD APP
02	23.06.02	SECTION 4.55 MOD APP DRAFT
01	21.12.10	DA ISSUE
00	21.12.10	DA ISSUE



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PROJECT
HENSON PARK
UPGRADES
22 CENTENNIAL ST, MARRICKVILLE NSW 2204

TITLE
GROUND FLOOR PLAN



SCALE
1:100 @ A1 / 1:200 @ A3

APPROVED
DRAWN
CHECKED
PG
DATE
JULY 2023
STATUS
MOD. APP.

PROJECT NUMBER
21009

DRAWING NUMBER
A201

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HOODS ADDED

VOID REMOVED

HOOD ADDED

STAIR CHANGED

HOODS ADDED

CONSTRUCTION NOTES

- The wall system should extend through the ceiling to the roof level as shown on the architectural plans. The ceiling should be insulated with 125 mm thick insulation with a density of at least 26 kg/m³.
- All partition wall junctions are to be sealed airtight to maintain the acoustic integrity of the partitions. The wall and ceiling junction of the partition must be sealed airtight with a flexible silicone/acrylic caulking compound.
- Where possible, electrical outlets should not be located back-to-back in partition walls that are required to be acoustically rated. A recommended offset distance of a minimum of 300mm should be observed. Where electrical outlets must be located back-to-back, then:
- acoustic-rated switch boxes should be used.
- Ventilation ducts should be sheet metal type with internal fiberglass acoustic lining to limit crosstalk. Ventilation ducts may also need to be externally wrapped with an acoustic lagging to minimise duct noise breakout.
- Any remaining air gaps within and around cable trays are to be tightly packed with high density insulation (minimum 32kg/m³).
- Any remaining air gaps around the electrical conduit and pipes must be sealed airtight with a flexible caulking compound.
- All waste/water supply pipes should be wrapped with an acoustic lagging product such as Soundlag 452SC, Acoustilag 45 or the like.
- It should be noted that with windows open, noise from adjoining media spaces will flank around the wall and into adjoining spaces, rendering the wall's performance redundant.

DA DRAWING A202

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04	23.10.30	SECTION 4.55 MOD. APP. AMENDMENT	
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02	23.06.02	SECTION 4.55 MOD. APP. DRAFT	
01	21.12.10	DA ISSUE	
ISSUE	DATE	AMENDMENTS	

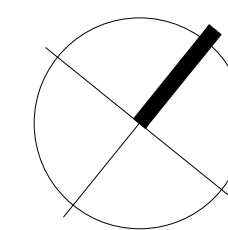


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HENSON PARK
UPGRADES

22 CENTENNIAL ST, MARRICKVILLE NSW 2204

FIRST FLOOR PLAN



SCALE: 1:100 @ A1 / 1:200 @ A3

APPROVED
DRAWN: HH
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DATE: JULY 2023
STATUS: MOD. APP.

PROJECT NUMBER
21009

DRAWING NUMBER
A202

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HOODS ADDED

HOOD ADDED

ROOF REMOVED

LIFT REMOVED

STAIR CHANGED

SOLAR PANEL
REMOVED

DECK REMOVED

DA DRAWING A203

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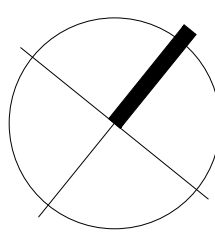
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02	23.05.02	SECTION 4.55 MOD. APP. DRAFT
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ISSUE	DATE	AMENDMENTS



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PROJECT
HENSON PARK
UPGRADES
22 CENTENNIAL ST, MARRICKVILLE NSW 2204

TITLE
SECOND FLOOR PLAN



SCALE
1:100 @ A1 / 1:200 @ A3

APPROVED
DRAWN HJ
CHECKED PG

DATE
JULY 2023

STATUS
MOD. APP.

PROJECT NUMBER
21009

DRAWING NUMBER
A203

ISSUE
04

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WALL CONSTRUCTION
CHANGED

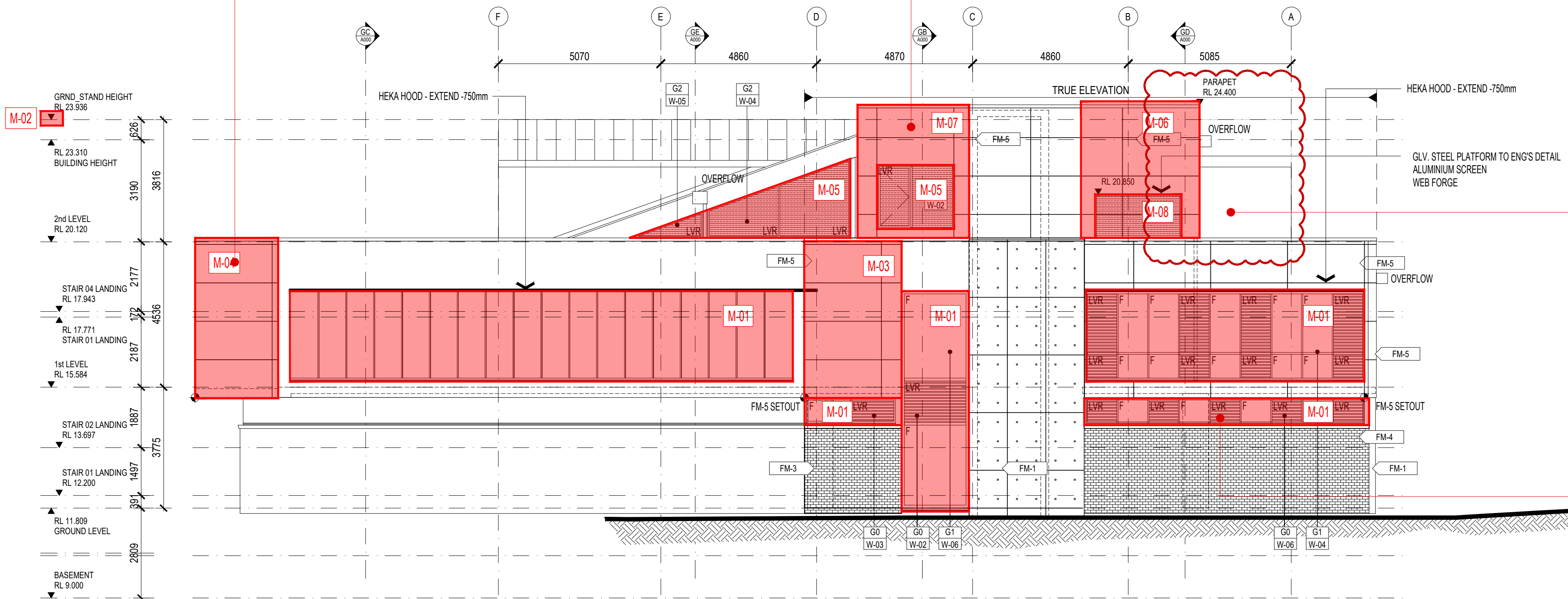
WALL CONSTRUCTION
CHANGED

STAIR CHANGED

LOUVRE WINDOW
EXTENTS CHANGED

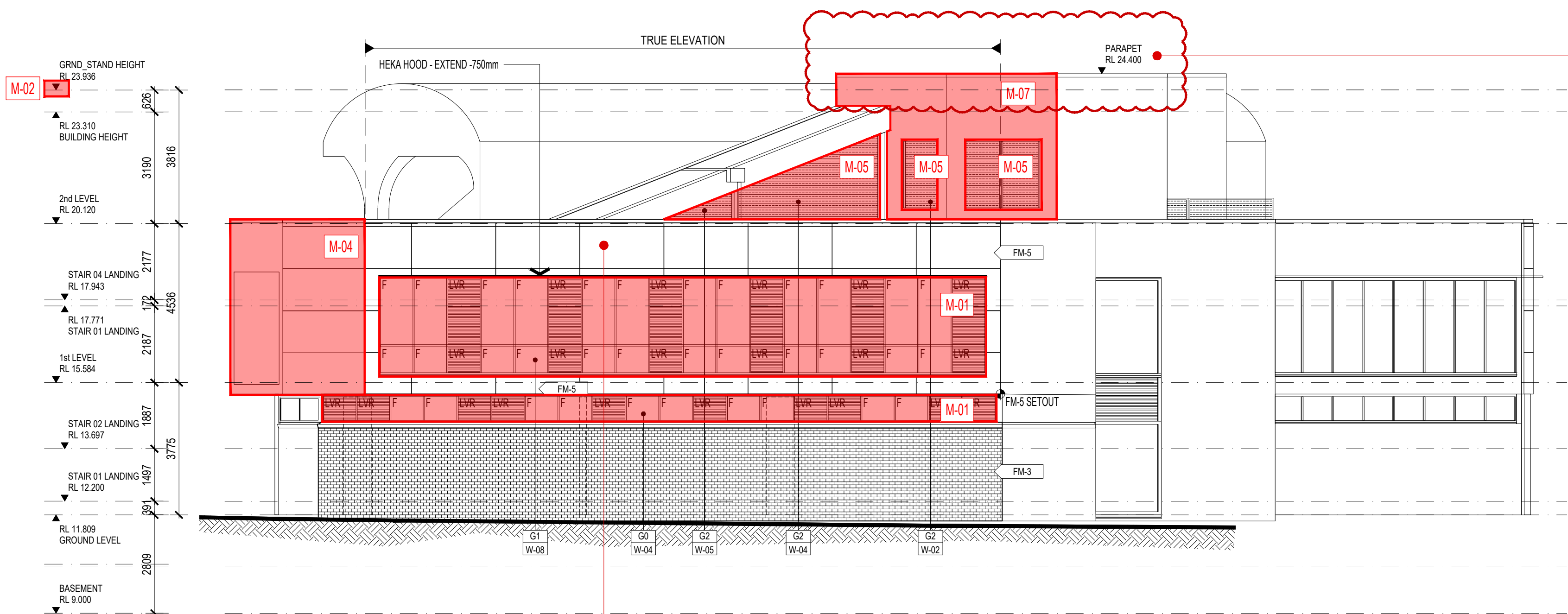
KEY - FINISHES

FM-1	OFF-FORM CONCRETE
FM-2	CUSTOM ORB (LYSAGHT) MATT WHITE
FM-3	BRICK (BRICKWORKS - INDULGENT WHITE)
FM-4	BRICK (BRICKWORKS - TO MATCH EXISTING BRICK)
FM-5	CFC CLADDING (PAINTED)



01 NORTH WEST ELEVATION

HEIGHT AMENDED



02 NORTH ELEVATION

PARAPET CONSTRUCTION
CHANGED

DA DRAWING A300

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ISSUE	DATE	AMENDMENTS



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HENSON PARK
UPGRADES

22 CENTENNIAL ST, MARRICKVILLE NSW 2204

ELEVATIONS GRANDSTAND
BUILDING_SHEET_01

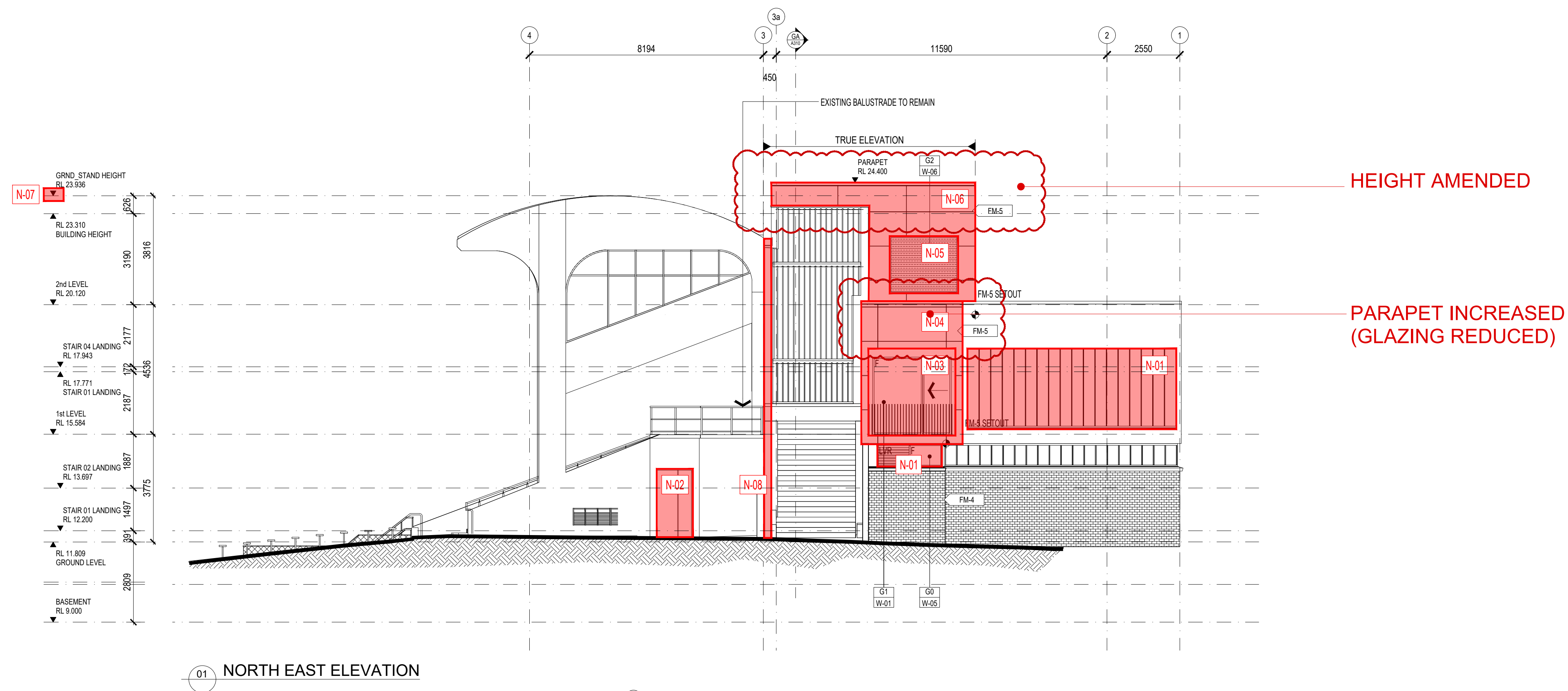
SCALE 1:100 @ A1 / 1:200 @ A3
APPROVED
DRAWN
CHECKED PG
DATE JULY 2023
STATUS MOD. APP.

PROJECT NUMBER 21009
DRAWING NUMBER

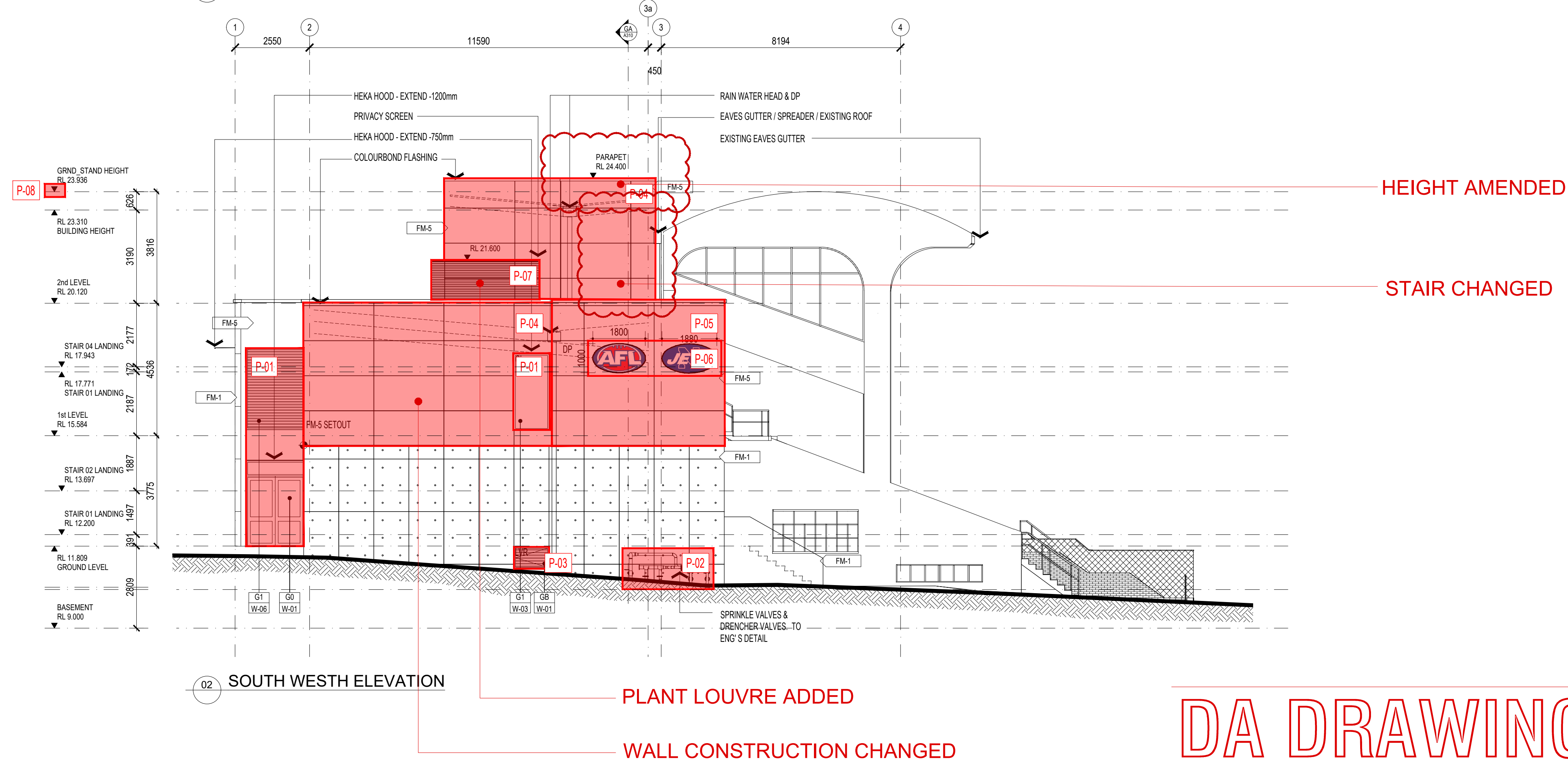
A300

05

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KEY - FINISHES	
FM-1	OFF-FORM CONCRETE
FM-2	CUSTOM ORB (LYSAGHT) MATT WHITE
FM-3	BRICK (BRICKWORKS - INDULGENT WHITE)
FM-4	BRICK (BRICKWORKS - TO MATCH EXISTING BRICK)
FM-5	CFC CLADDING (PAINTED)



DA DRAWING A301

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01	21.12.10	DA ISSUE



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PROJECT
HENSON PARK
UPGRADES BUILDING_SHEET_02 ALTERNATIVE

TITLE
ELEVATIONS GRANDSTAND
UPGRADES BUILDING_SHEET_02 ALTERNATIVE

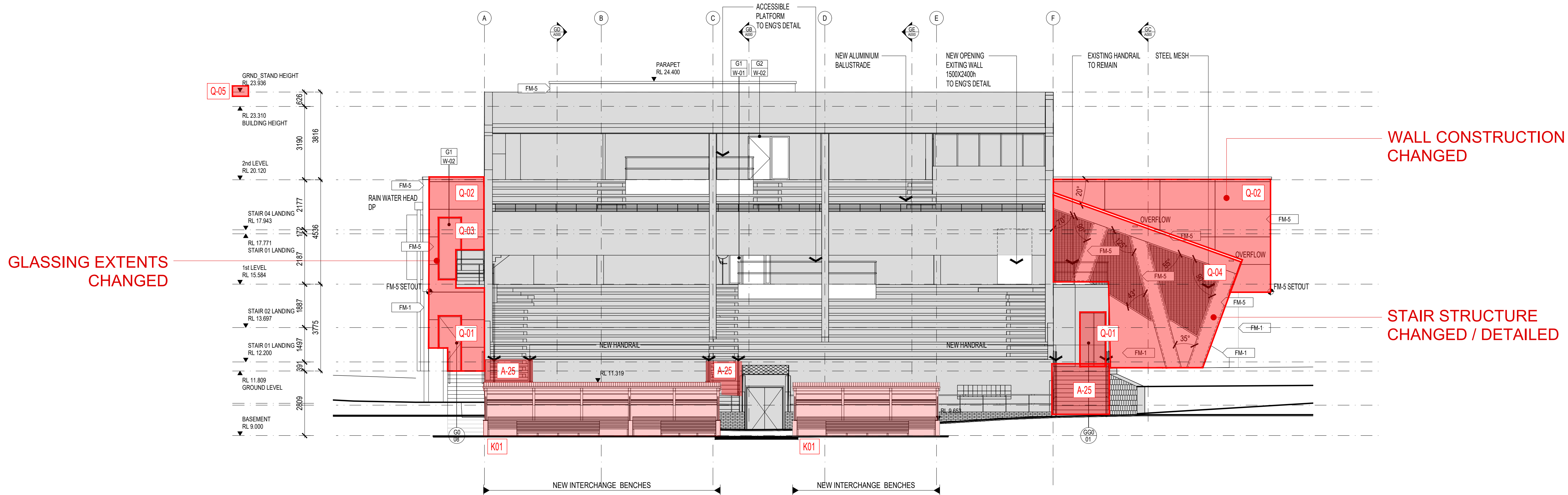
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PROJECT NUMBER
DRAWING NUMBER
21009
A301

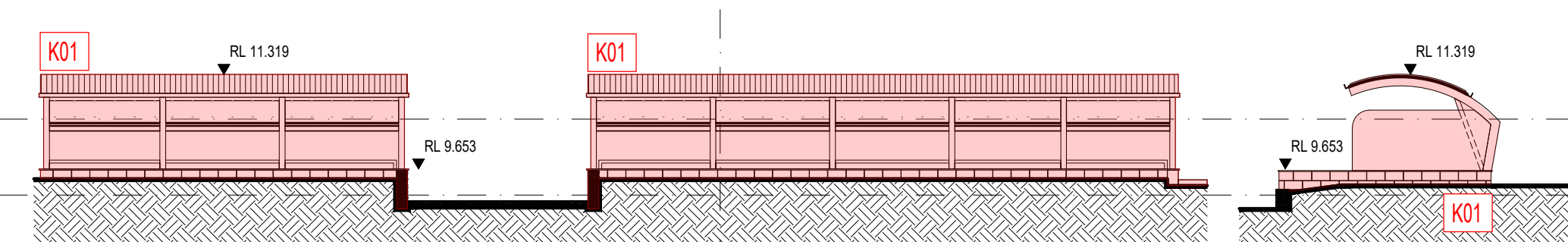
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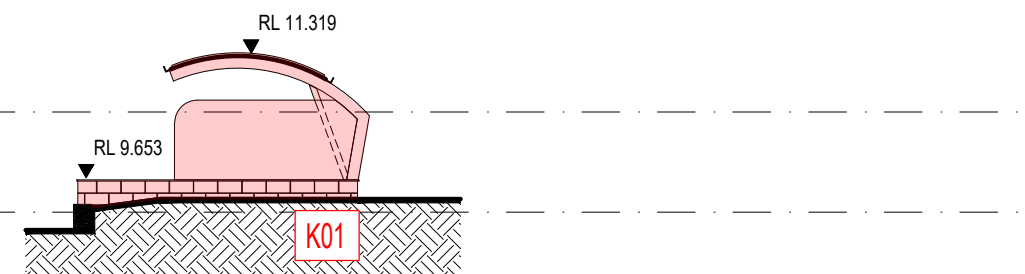
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FM-3	BRICK (BRICKWORKS - INDULGENT WHITE)
FM-4	BRICK (BRICKWORKS - TO MATCH EXISTING BRICK)
FM-5	CFC CLADDING (PAINTED)



01 SOUTH EAST ELEVATION



02 NORTH WEST ELEVATION - BACK INTERCHANGE BENCHES



02 SITE ELEVATION INTERCHANGE BENCHES

DA DRAWING A300

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ISSUE	DATE	AMENDMENTS
05	23.10.30	SECTION 4.55 MOD. APP. AMENDMENT
04	23.07.28	SECTION 4.55 MOD. APP. INFO ADDED
03	23.06.09	SECTION 4.55 MOD. APP.
02	23.06.02	SECTION 4.55 MOD. APP. DRAFT
01	21.12.10	DA ISSUE



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CLIENT
PROJECT
HENSON PARK
UPGRADES
22 CENTENNIAL ST, MARRICKVILLE NSW 2204

TITLE
ELEVATIONS GRANDSTAND
BUILDING_SHEET_03

SCALE: 1:100 @ A1 / 1:200 @ A3
APPROVED
DRAWN
CHECKED
PG
DATE: JULY 2023
STATUS: MOD. APP.

PROJECT NUMBER
DRAWING NUMBER

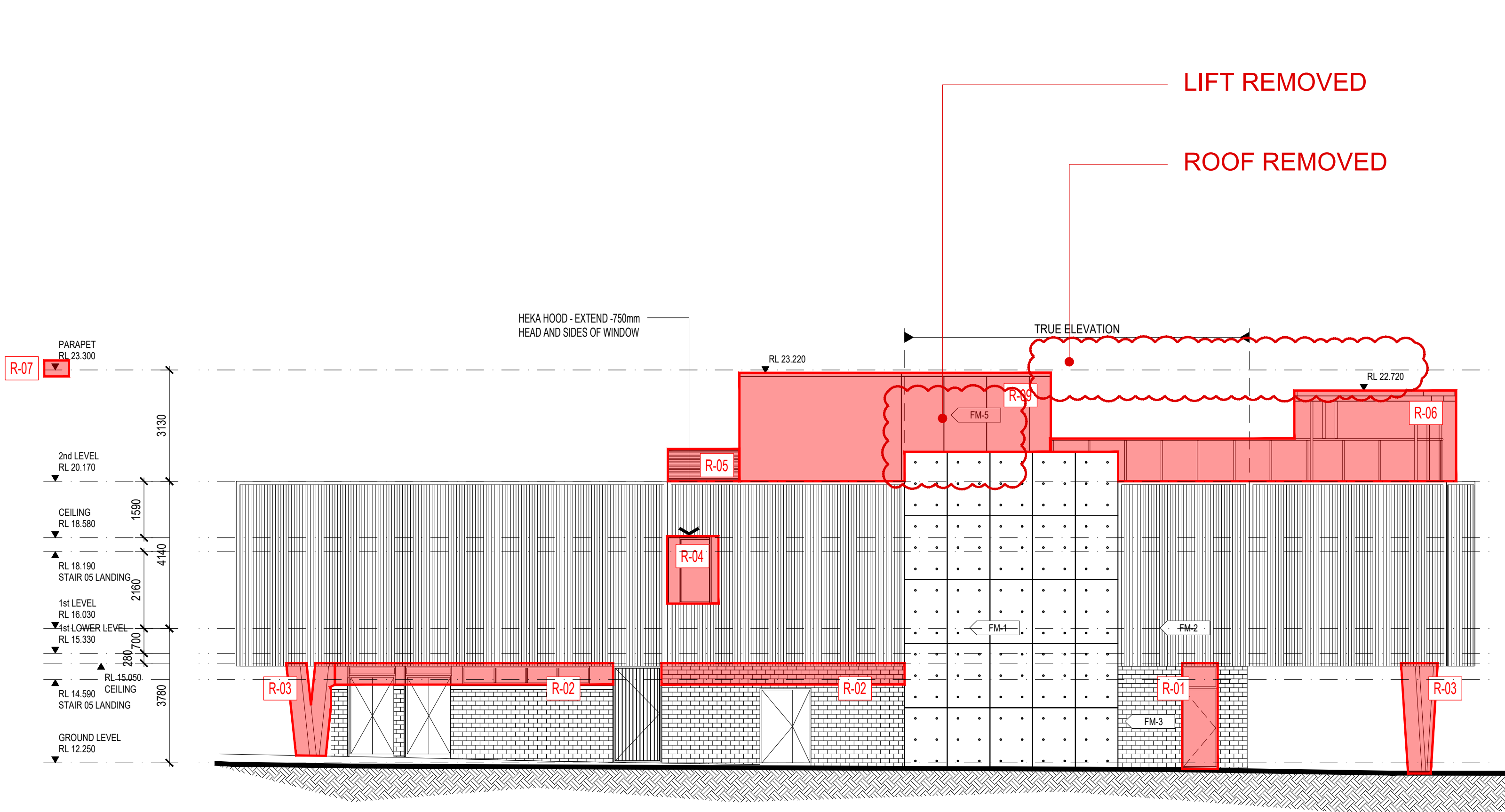
21009

A302

ISSUE

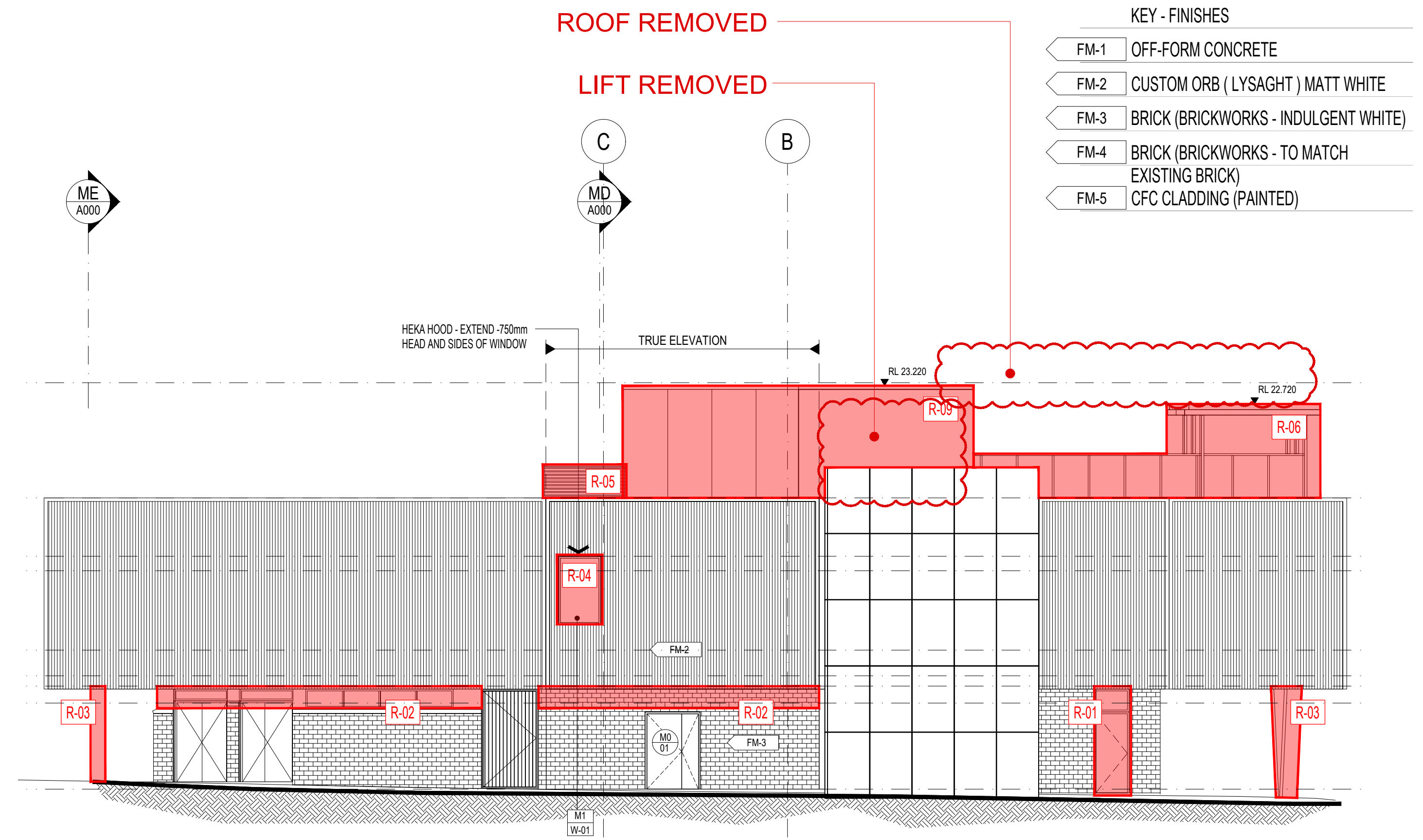
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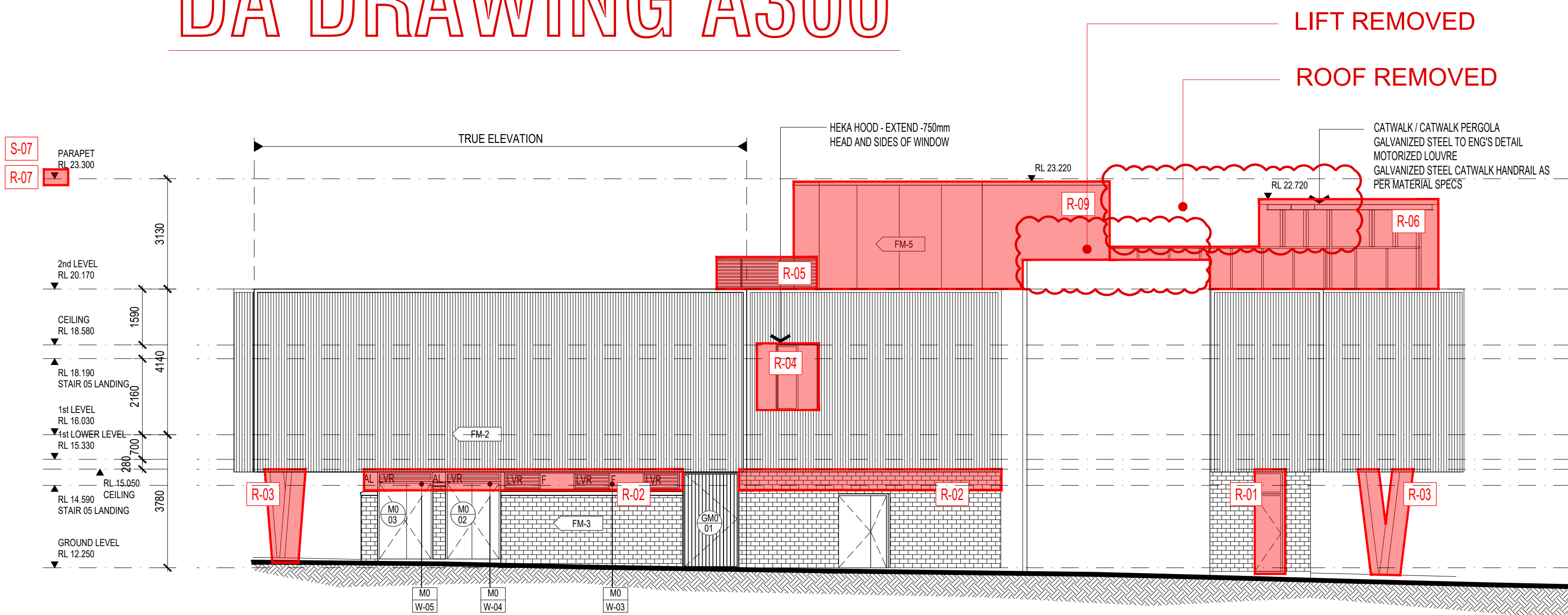
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DA DRAWING A300



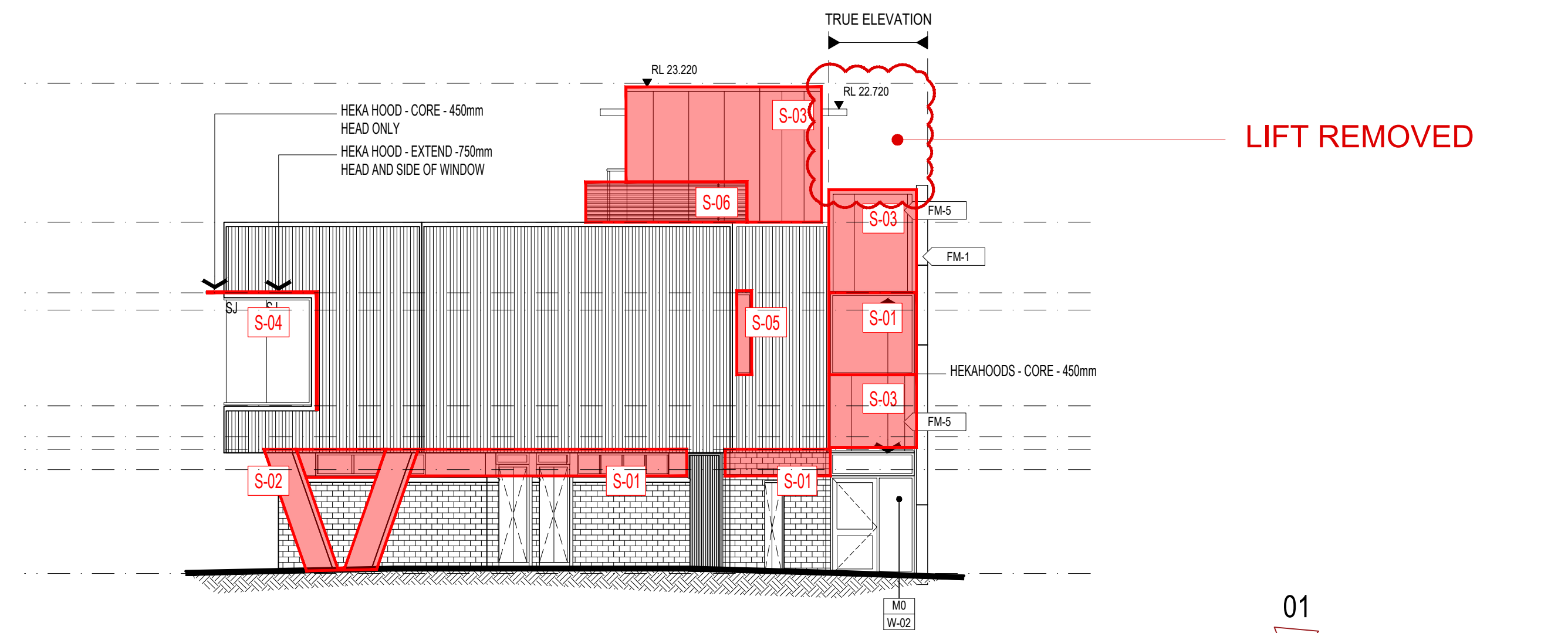
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DA DRAWING A300



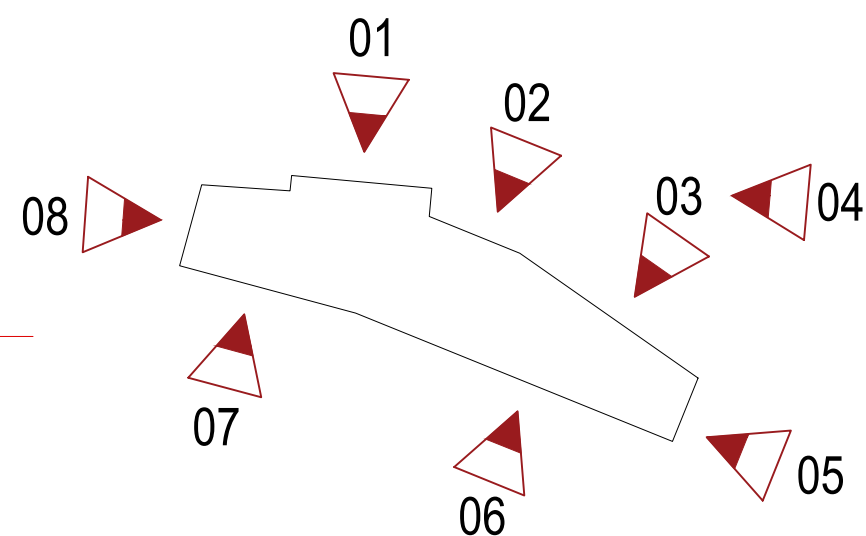
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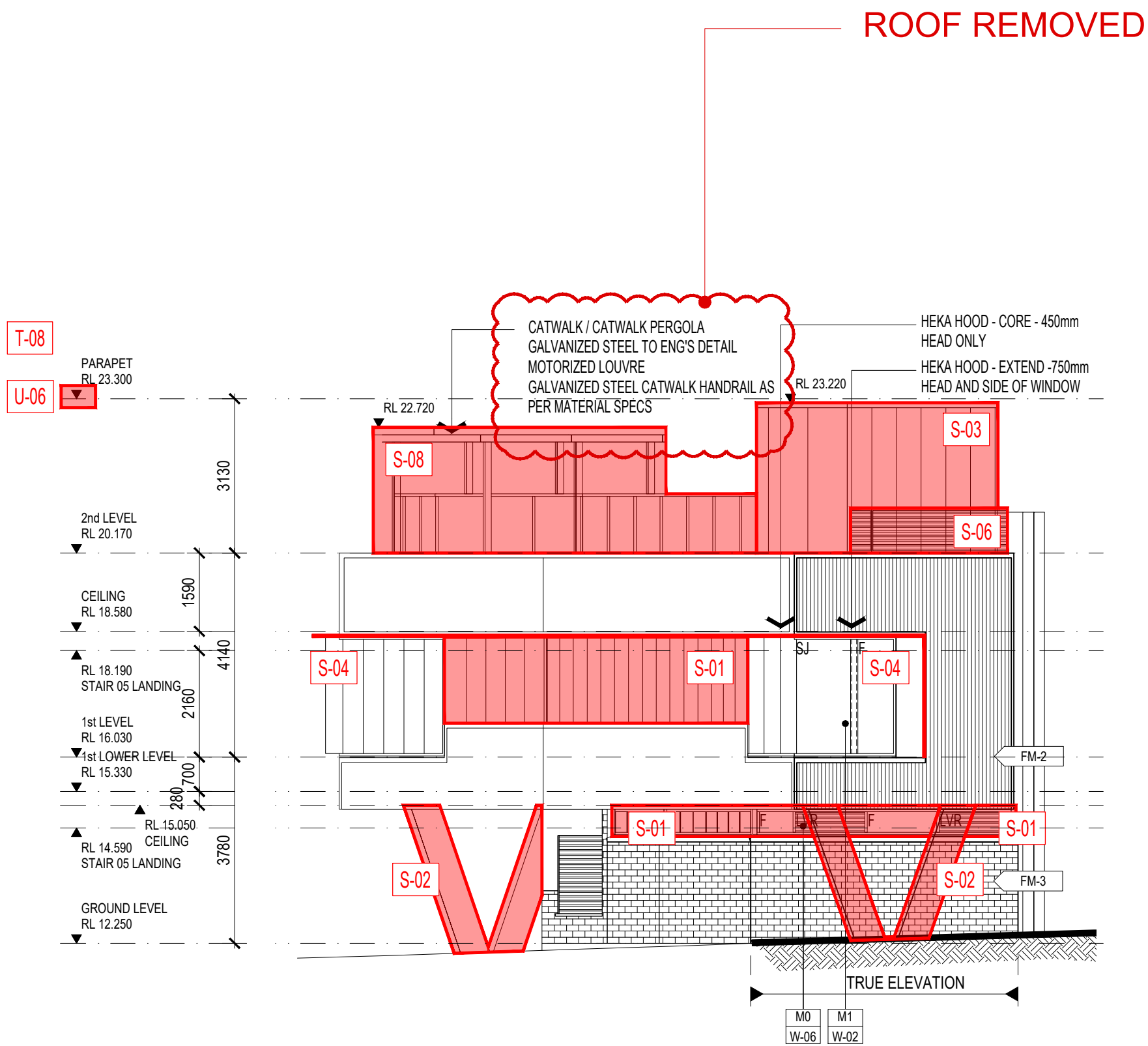
DA DRAWING A300



04 ELEVATION 04 - NORTH EAST

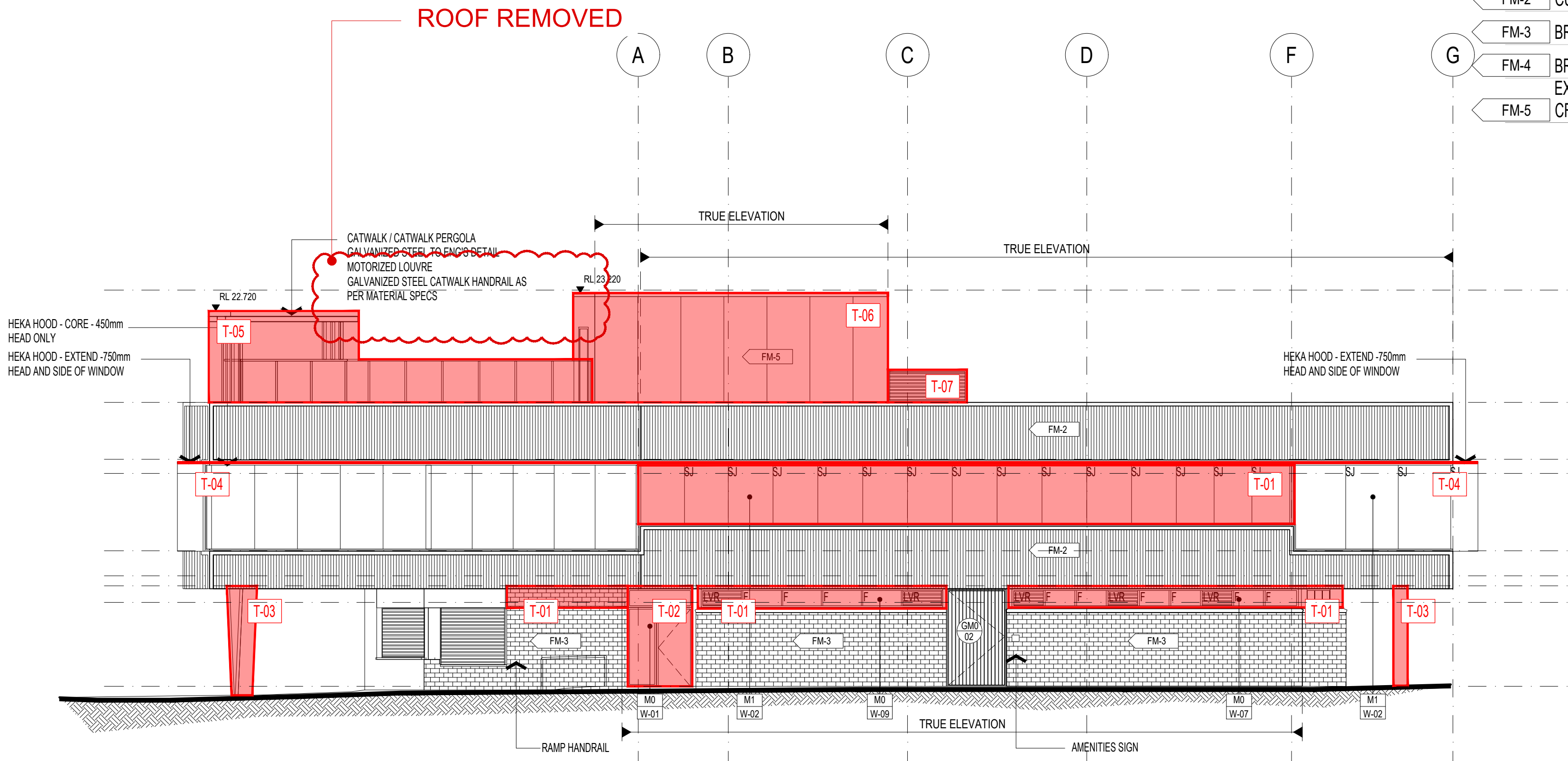
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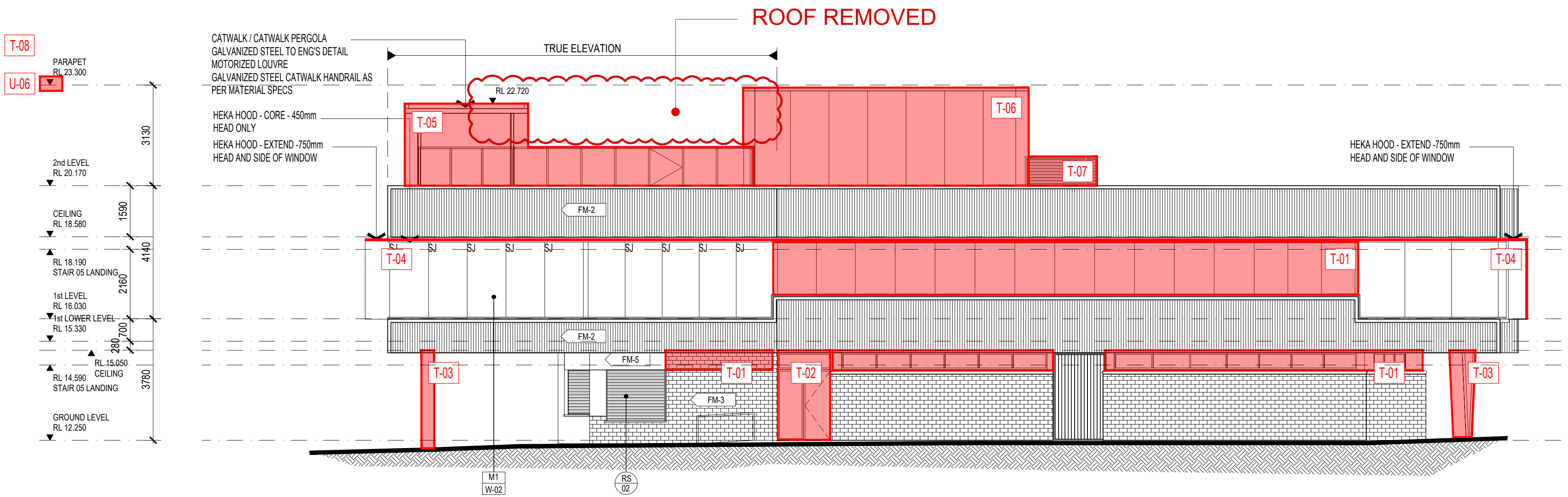
01 ELEVATION 05 - EAST

DA DRAWING A301



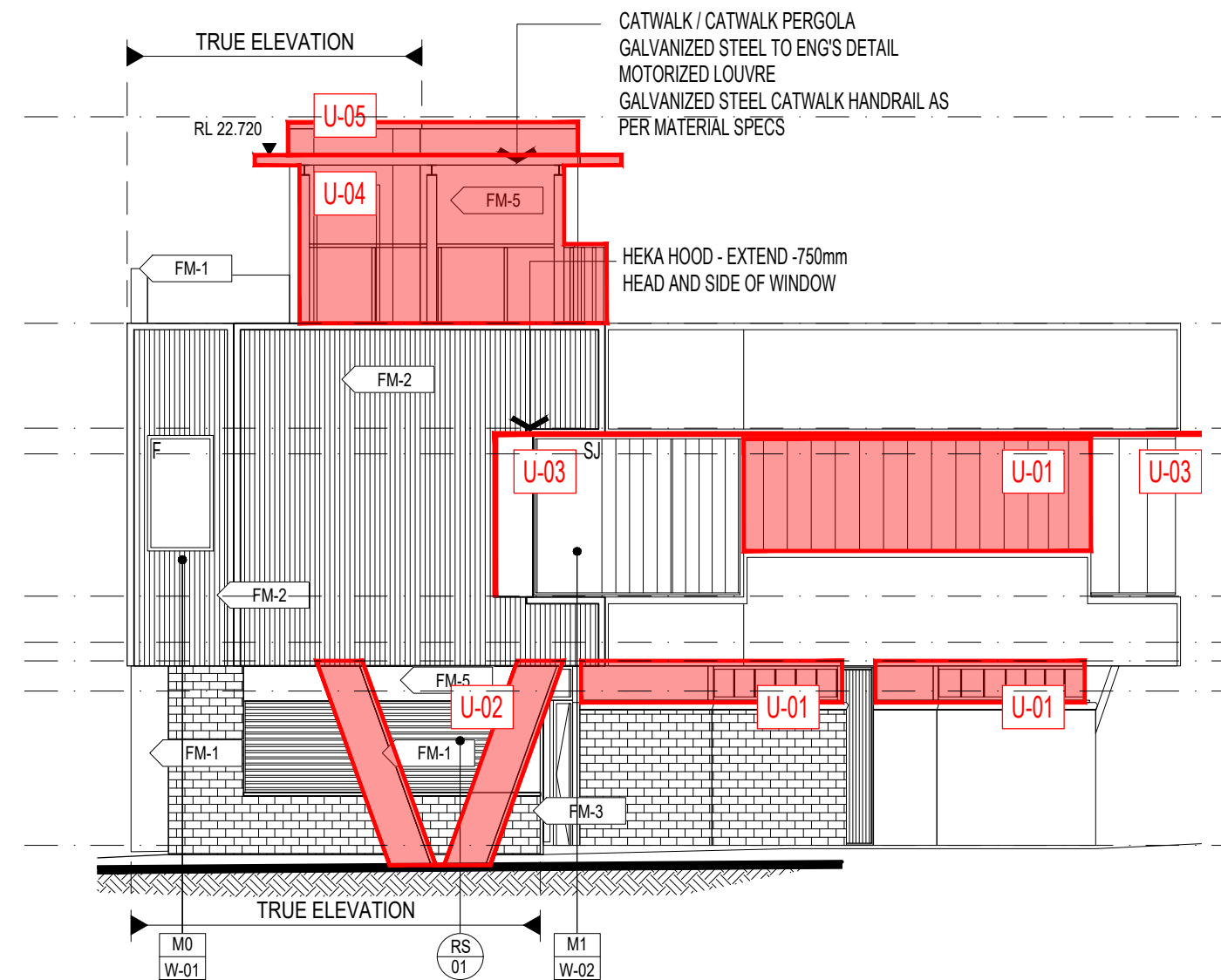
02 ELEVATION 06 - SOUTH

DA DRAWING A300



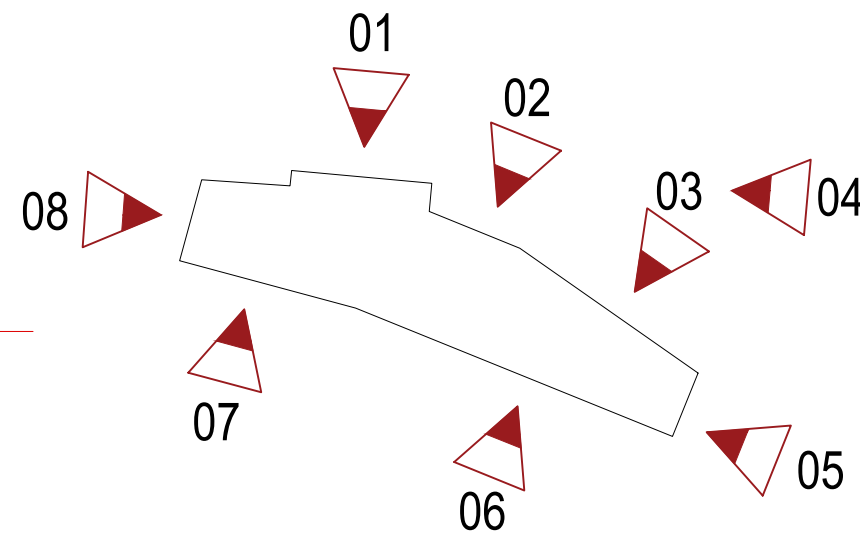
03 ELEVATION 07 - SOUTH

DA DRAWING A300



04 ELEVATION 08 - WEST

DA DRAWING A301



KEY - FINISHES	
FM-1	OFF-FORM CONCRETE
FM-2	CUSTOM ORB (LYSAGHT) MATT WHITE
FM-3	BRICK (BRICKWORKS - INDULGENT WHITE)
FM-4	BRICK (BRICKWORKS - TO MATCH EXISTING BRICK)
FM-5	CFC CLADDING (PAINTED)

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NO	DATE	AMENDMENTS
04	23.10.30	SECTION 4.55 MOD APP AMENDMENT
03	23.06.09	SECTION 4.55 MOD APP
02	23.06.02	SECTION 4.55 MOD APP DRAFT
01	21.12.10	DA ISSUE
ISSUE	DATE	AMENDMENTS



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HENSON PARK
UPGRADES

22 CENTENNIAL ST, MARRICKVILLE NSW 2204

ELEVATIONS MULTIPURPOSE
BUILDING_SHEET_02

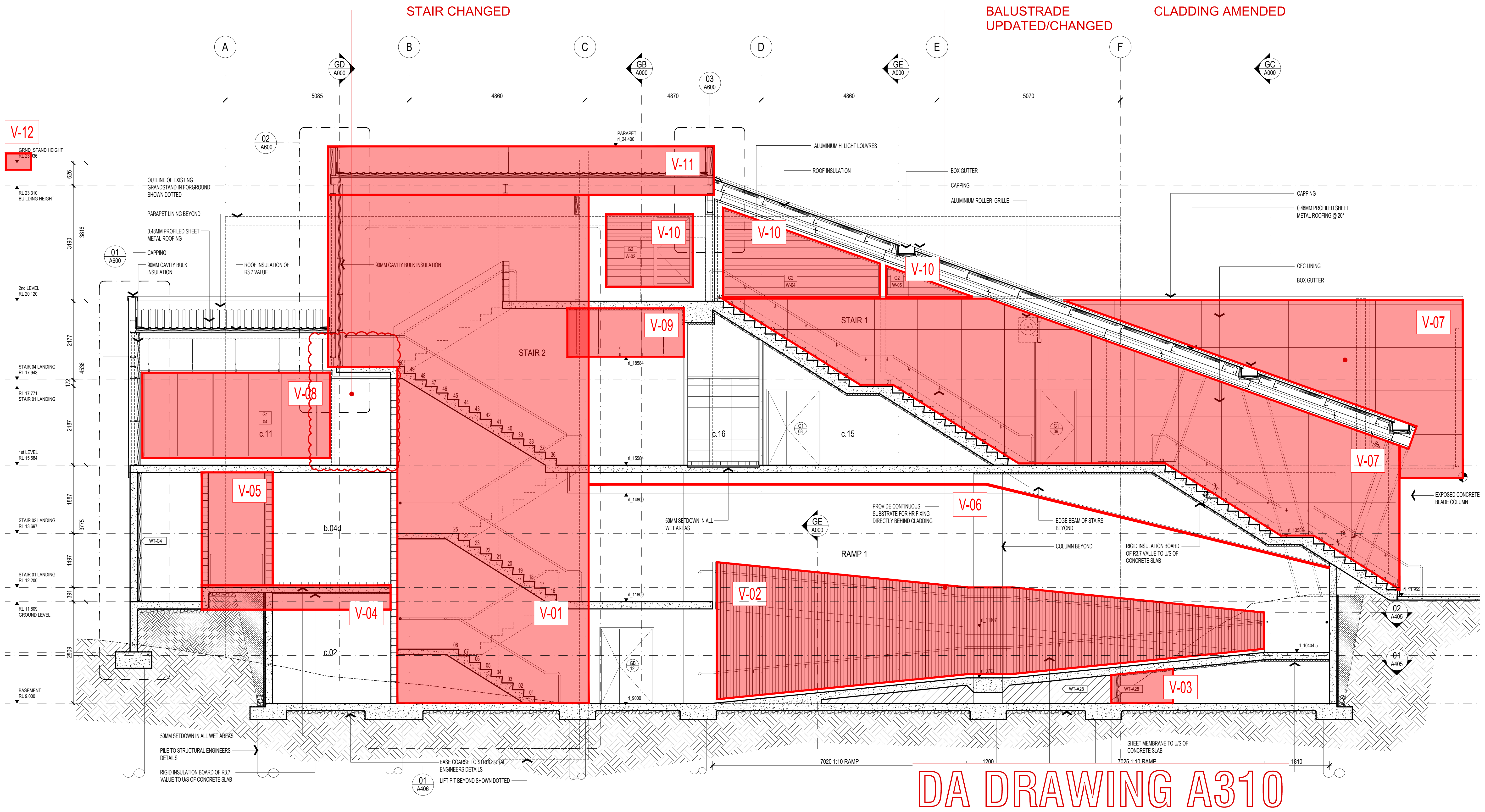
SCALE 1:100 @ A1
APPROVED
DRAWN PG
CHECKED
DATE JULY 2023
STATUS MOD. APP.

PROJECT NUMBER
21009

DRAWING NUMBER
A306

ISSUE
04





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NO	DATE	DESCRIPTION
04	23.10.30	SECTION 4.55 MOD. APP. AMENDMENT
03	23.06.09	SECTION 4.55 MOD. APP.
02	23.06.02	SECTION 4.55 MOD. APP. DRAFT
01	21.12.10	DA ISSUE
ISSUE	DATE	AMENDMENTS



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HENSON PARK
UPGRADES

22 CENTENNIAL ST, MARRICKVILLE NSW 2204

SECTION GA

SCALE 1:50 @ A1 / 1:100 @ A3
APPROVED
DRAWN HH
CHECKED PG
DATE JULY 2023
STATUS MOD. APP.

PROJECT NUMBER
21009

DRAWING NUMBER
A310

ISSUE
04

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- The wall system should extend through the ceiling to the roof level as shown on the architectural plans. The ceiling should be insulated with 125 mm thick insulation with a density of at least 26 kg/m³.
- All partition wall junctions are to be sealed with airtight and acoustic integrity of the partition.
- The wall and ceiling junction of the partition must be sealed airtight with a flexible silicoacrylic caulking compound.
- Where possible, electrical outlets should not be located back-to-back in partition walls that are required to be acoustically rated. A recommended offset distance of a minimum of 300mm should be observed. Where electrical outlets must be located back-to-back, then acoustic-rated switch boxes should be used.
- Ventilation ducts should be sheet metal type with internal fibreglass acoustic lining to limit crosstalk. Ventilation ducts may also need to be externally wrapped with an acoustic lining to minimise duct noise breakout.
- All ceiling perimeter air gaps within and around cable trays are to be tightly caulked with high density insulation (minimum 32kg/m³).
- Any remaining air gaps around the electrical conduit and pipes must be sealed airtight with a flexible caulking compound.
- All waste/water supply pipes should be wrapped with an acoustic/insulating product such as Soundproofing Blanket or Acousti-Seal as the likes.
- It should be noted that with windows open, sound from adjoining media spaces will flank around the wall's performance and render the wall's performance redundant.

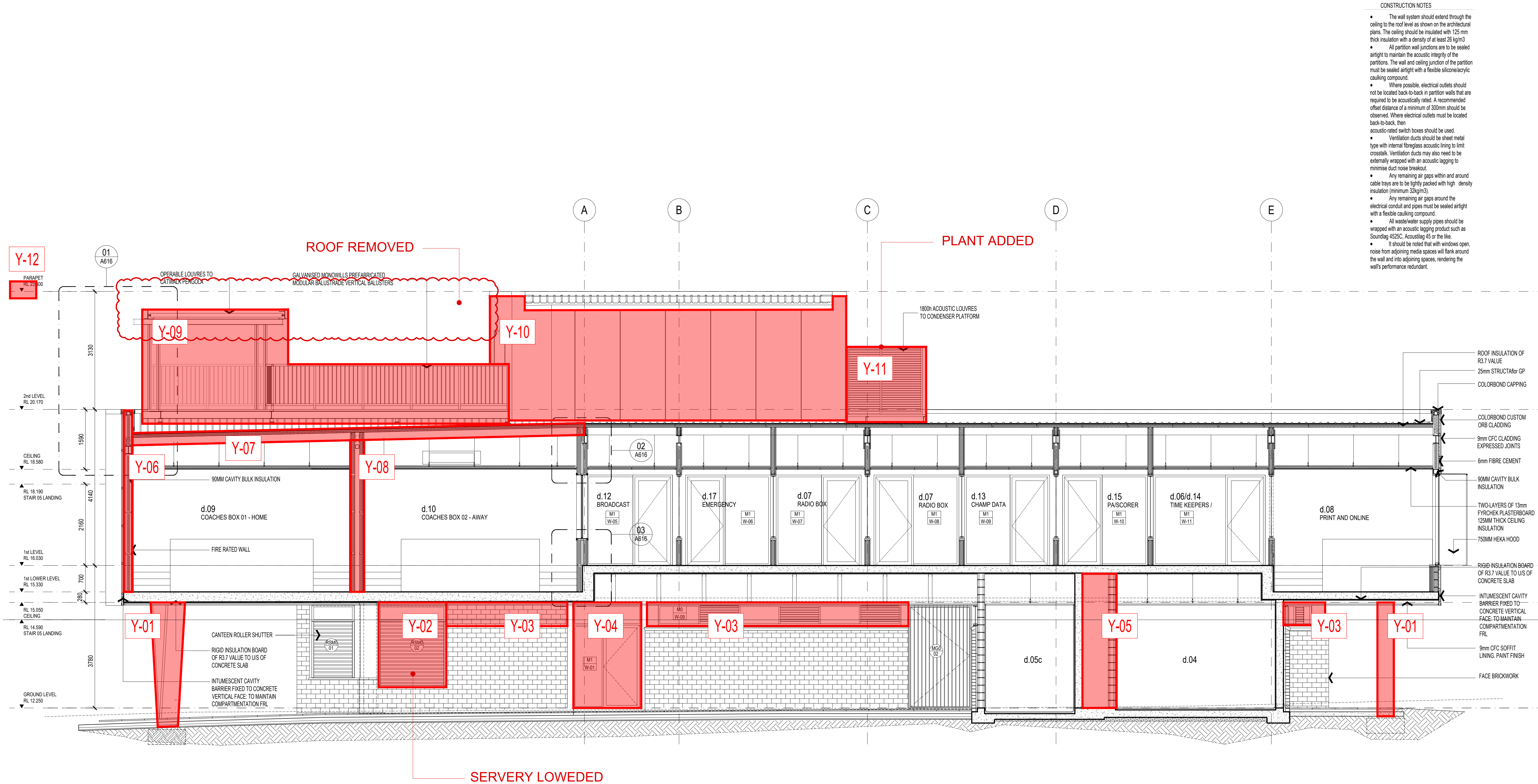


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PROJECT
**HENSON PARK
UPGRADES**
22 CENTENNIAL ST, MARRICKVILLE NSW 2204



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architects



- CONSTRUCTION NOTES
- The wall system should extend through the ceiling to the roof level as shown on the architectural plans. The ceiling should be insulated with 125 mm thick insulation with a density of at least 25 kg/m³.
 - All partition wall junctions are to be sealed airtight to maintain the acoustic integrity of the partitions. The wall and ceiling junction of the partition must be sealed airtight with a flexible siliconeacrylic caulking compound.
 - Where possible, electrical outlets should not be located back-to-back in partition walls that are required to be acoustically rated. A recommended offset distance of a minimum of 300mm should be observed. Where electrical outlets must be located back-to-back, then acoustic-rated switch boxes should be used.
 - Ventilation ducts should be sheet metal type with internal fibreglass acoustic lining to limit crosstalk. Ventilation ducts may also need to be externally wrapped with an acoustic lagging to minimise duct noise breakout.
 - Any remaining air gaps within and around cable trays are to be tightly packed with high density insulation (minimum 32kg/m³).
 - Any remaining air gaps around the electrical conduit and pipes must be sealed airtight with a flexible caulking compound.
 - All wastewater supply pipes should be wrapped with an acoustic lagging product such as Soundlag 4525C, Acoustilag 45 or the like.
 - It should be noted that with windows open, noise from adjoining media spaces will flank around the wall and into adjoining spaces, rendering the wall's performance redundant.

DA DRAWING A311

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02	23.06.02	SECTION 4.55 MOD. APP. DRAFT
01	21.12.10	DA ISSUE
ISSUE	DATE	AMENDMENTS



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PROJECT
HENSON PARK
UPGRADES
22 CENTENNIAL ST, MARRICKVILLE NSW 2204

TITLE
SECTION MF

SCALE 1:50 @ A1 / 1:100 @ A3
APPROVED
DRAWN HH
CHECKED PG
DATE JULY 2023
STATUS MOD. APP.

PROJECT NUMBER 21009
DRAWING NUMBER A318

ISSUE 04
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HENSON PARK UPGRADES

CENTENNIAL STREET, MARRICKVILLE NSW 2204
CIVIL ENGINEERING PACKAGE - TENDER DOCUMENTATION



LOCALITY PLAN

SOURCE : NEARMAP.COM.AU (©2022)

CIVIL DRAWING SCHEDULE

DWG No.	DRAWING TITLE
C0000	COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN
C0101	SPECIFICATION NOTES - SHEET 01
C0102	SPECIFICATION NOTES - SHEET 02
C1001	SEDIMENT AND SOIL EROSION CONTROL PLAN
C1101	SEDIMENT AND SOIL EROSION CONTROL DETAILS
C2001	BULK EARTHWORKS CUT AND FILL PLAN
C2201	BULK EARTHWORKS CUT AND FILL SECTIONS
C3001	SITEWORKS AND STORMWATER MANAGEMENT PLAN
C4001	STORMWATER LONGITUDINAL SECTIONS - SHEET 01
C4002	STORMWATER LONGITUDINAL SECTIONS - SHEET 02
C4201	STORMWATER CATCHMENT PLAN
C5001	KERB ALIGNMENT CONTROL PLAN AND LONGITUDINAL SECTIONS - SHEET 01
C5002	KERB ALIGNMENT CONTROL PLAN AND LONGITUDINAL SECTIONS - SHEET 02
C6101	DETAILS - SHEET 01
C6102	DETAILS - SHEET 02
C6103	DETAILS - SHEET 03
C6104	DETAILS - SHEET 04

NOT FOR CONSTRUCTION

DESIGNED: S. FORD
JOB MANAGER: B. LAWRENCE
VERIFIER:
DRAWN: V. CHON

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR CLIENT REVIEW	AF		SF	25.01.23
02	ISSUED FOR TENDER	UM		SF	10.02.23



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SCALE 1:2500@A1



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PROJECT

HENSON PARK UPGRADES

CENTENNIAL STREET,
MARRICKVILLE, NSW, 2204

DRAWING TITLE

CIVIL ENGINEERING PACKAGE
CONSTRUCTION CERTIFICATE

COVER SHEET, DRAWING
SCHEDULE AND LOCALITY PLAN

JOB NUMBER

220322

DRAWING NUMBER

C0000

REVISION

02

DRAWING SHEET SIZE = A1

FORMER TO: C:\NORTHROP\220322\Henson Park Upgrades\Drawings\CC-Civil\220322-C0000.dwg

DRAWN: V.CHON DESIGNED: S. FORD JOB MANAGER: B. LAWRENCE VERIFIER:

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**CIVIL ENGINEERING PACKAGE
CONSTRUCTION CERTIFICATE**

SPECIFICATION NOTES - SHEET 01

JOB NUMBER	
220322	
DRAWING NUMBER	REVISION
C0101	02
DRAWING SHEET SIZE = A1	

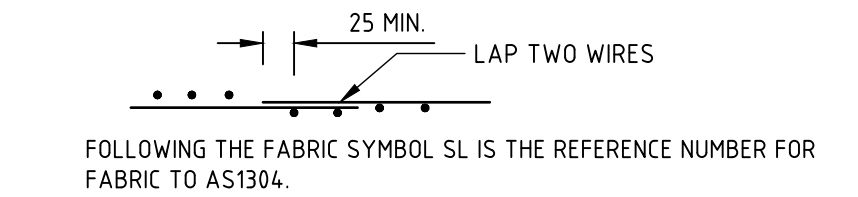
NOTE: ALL CIVIL ENGINEERING CONSTRUCTION WORKS TO BE CARRIED OUT IN ACCORDANCE WITH INNER WEST COUNCIL DEVELOPMENT GUIDELINES. THE AFOREMENTIONED GUIDELINES INCLUSIVE OF ALL SPECIFICATIONS TAKE PRECEDENCE OVER NOTES PROVIDED BELOW.

ASPHALTIC CONCRETE

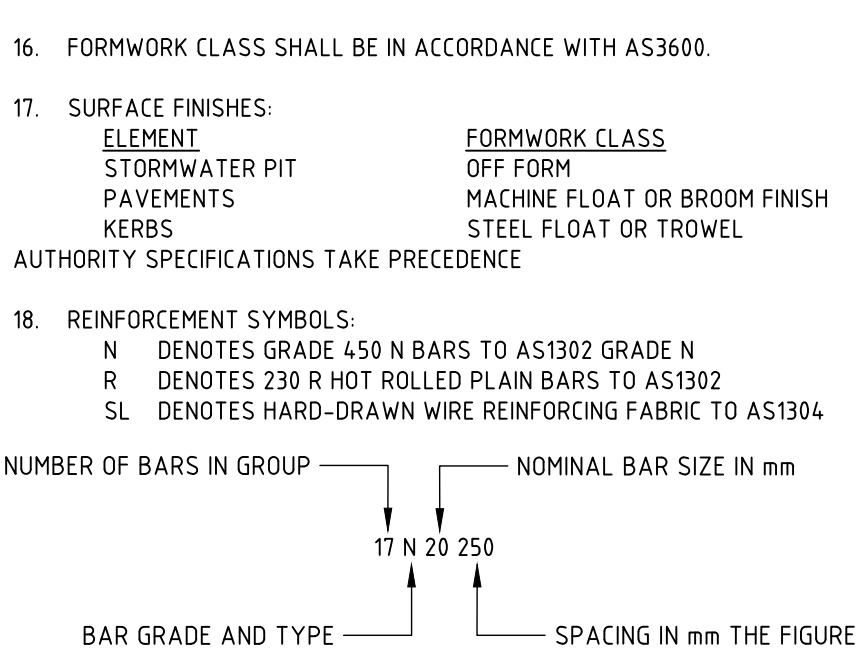
1. **GENERAL**
- 1.1. ALL ASPHALTIC CONCRETE (AC) WORK TO BE PREPARED AND CARRIED OUT IN ACCORDANCE WITH GOOD ASPHALTIC PAVING PRACTICE AS DESCRIBED IN AS2150-2005 "ASPHALT (HOT-MIXED) PAVING - GUIDE TO GOOD PRACTICE" AND CURRENT TfNSW SPECIFICATIONS.
2. **PAVEMENT PREPARATION**
- 2.1. THE FINISHED PAVEMENT SURFACE TO BE SEALED SHALL BE WITHIN +/- 2% OF THE OPTIMUM AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REMOVAL OF ALL SUPERFICIAL FOREIGN MATTER.
- 2.2. PRIME ALL SURFACES TO BE SEALED. ALLOW PRIME TO SETTLE FOR A MINIMUM OF 3 DAYS BEFORE APPLYING TACK COAT AND ASPHALT.
- 2.3. SWEEP PRIMED SURFACES BEFORE APPLYING TACK COAT.
- 2.4. ALL DEPRESSIONS OR UNEVEN AREAS ARE TO BE TACK-COATED AND BROUGHT UP TO GENERAL LEVEL OF PAVEMENT WITH ASPHALTIC CONCRETE BEFORE LAYING OF MAIN COURSE.
- 2.5. ALL DEFECTS IN THE BASE COURSE INCLUDING CRACKS, SURFACE DEFORMATION AND THE LIKE SHALL BE REPAIRED AS DIRECTED BY THE SUPERINTENDENT PRIOR TO PLACEMENT OF TACK COAT AND/OR AC COURSES.
3. **PLACEMENTS**
- 3.1. ALL ASPHALT SHALL BE PLACED UTILISING APPROVED MECHANICAL PAVING MACHINES. DO NOT HAND PLACE ASPHALT WITHOUT PRIOR APPROVAL FROM ENGINEER.
4. **JOINTS**
- 4.1. THE DENSITY AND SURFACE FINISH AT JOINTS SHALL BE SIMILAR TO THOSE OF THE REMAINDER OF THE LAYER.
5. **COMPACTION**
- 5.1. ALL COMPACTION SHALL BE UNDERTAKEN USING SELF PROPELLED ROLLERS.
- 5.2. INITIAL ROLLING SHALL BE COMPLETED BEFORE THE MIX TEMPERATURE FALLS BELOW 105°C USING A STEEL DRUM ROLLER HAVING A MINIMUM WEIGHT OF 8 TONNES AND A MAXIMUM UNIT LOAD ON THE REAR DRUM EQUIVALENT TO 55kN/m WIDTH OF DRUM.
- 5.3. SECONDARY ROLLING SHALL BE COMPLETED BEFORE THE MIX TEMPERATURE FALLS BELOW 80°C USING A PNEUMATIC TYRED ROLLER OF AT LEAST 10 TONNES MASS, A MINIMUM TYRE PRESSURE OF 550kPa AND A MINIMUM TOTAL LOAD OF 1 TONNE ON EACH TYRE.
- 5.4. ROLLED SURFACES SHALL BE SMOOTH AND FREE OF UNDULATIONS. BONY AND/OR UNEVEN SURFACES WILL BE REJECTED.
- 5.5. PROVIDE 2 No. MINIMUM COMPACTION TESTS.
6. **FINISHED SURFACE PROPERTIES**
- 6.1. FINISHED SURFACES SHALL BE SMOOTH, DENSE AND TRUE OF SHAPE AND SHALL NOT VARY MORE THAN:
- 6.1.1. 3mm FROM THE SPECIFIED PLAN LEVEL AT ANY POINT.
- 6.1.2. 3mm FROM THE BOTTOM OF A STRAIGHT EDGE LAID TRANSVERSELY.
- 6.1.3. 5mm FROM THE BOTTOM OF A STRAIGHT EDGE LAID LONGITUDINALLY.
- 6.1.4. MINUS 0 TO PLUS 2mm ADJACENT TO OTHER ELEMENTS SUCH AS KERBS AND THE LIKE TO AVOID POOLING OF SURFACE WATER.
- 6.1.5. MINUS 0 FROM THE SPECIFIED THICKNESS.
7. DO NOT STORE PLANT EQUIPMENT OR TRAFFIC NEWLY LAID ASPHALTIC CONCRETE PAVEMENTS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
8. DO NOT APPLY MARKING PAINTS UNTIL ASPHALT HAS CURED IN ACCORDANCE WITH PAINT MANUFACTURERS SPECIFICATIONS.

CONCRETE PAVEMENTS

1. THIS SECTION REFERS TO CIVIL CONCRETE WORKS AND DOES NOT INCLUDE STRUCTURAL ELEMENTS SUCH AS BUILDINGS, BELOW GROUND STRUCTURES OR RETAINING WALLS.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
3. **CONCRETE QUALITY AND REINFORCING COVER**
- ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.
- | ELEMENT | CONCRETE STRENGTH f'c (MPa) | SPECIFIED SLUMP | NOMINAL AGGREGATE SIZE | MAX. 56 DAY DRYING SHRINKAGE | COVER (mm) |
|------------------------------|-----------------------------|-----------------|------------------------|------------------------------|------------|
| KERBS AND PATHS | 25 | 60 | 20 | 650microns | TOP 40 |
| PITS AND VEHICULAR PAVEMENTS | 32 | 80 | 20 | 650microns | TOP 40 |
4. **CONCRETE PROPERTIES SHALL BE VARIED FROM NORMAL CLASS AS FOLLOWS**
- 4.1. MINIMUM CEMENT CONTENT 250 kg/m³
- 4.2. MAXIMUM 56 DAY SHRINKAGE STRAIN = AS NOMINATED ABOVE
- 4.3. PRIOR TO COMMENCEMENT CONCRETE SUPPLIER TO PROVIDE DRYING SHRINKAGE TEST RESULTS FROM PRODUCTION ASSESSMENT AS EVIDENCE THAT SPECIFIED DRYING SHRINKAGE LIMITS CAN BE ACHIEVED USING NORMAL MIX DESIGN.
5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS. PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
6. CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL.
7. PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379. TEST CYLINDERS ARE TO BE KEPT ON SITE.
8. ALL COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE CIVIL ENGINEER FOR REVIEW.
9. ALL CONCRETE IS TO BE CONTINUOUSLY CURED FOR A MINIMUM PERIOD OF 10 DAYS AFTER PLACING. CURING TO COMMENCE IMMEDIATELY AFTER FINISHING. SPRAY ON CURING COMPOUNDS TO COMPLY WITH AS3799.
10. PLACE CONCRETE CONTINUOUSLY BETWEEN CONSTRUCTION JOINTS SHOWN ON PLAN. DO NOT BREAK OR INTERRUPT SUCCESSIVE POURS SUCH THAT COLD JOINTS OCCUR. ANY REVISIONS OR ADDITIONS TO CONSTRUCTION JOINTS SHOWN ON PLAN REQUIRE APPROVAL FROM THE CIVIL ENGINEER.
11. FALLS IN SLAB AS SHOWN ON PLAN MAINTAIN MINIMUM SLAB THICKNESS AS SHOWN.
12. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY THE DESIGN ENGINEER.
13. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS.
14. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



15. ALL PENETRATIONS TO HAVE 2/N12 TRIMMER BARS TOP AND BOTTOM TO EACH FACE U.N.O. EXTEND TRIMMERS 700 BEYOND PENETRATION. MAINTAIN 40mm COVER TOP AND BOTTOM.
16. FORMWORK CLASS SHALL BE IN ACCORDANCE WITH AS3600.
17. **SURFACE FINISHES:**
- | ELEMENT | FORMWORK CLASS |
|----------------|-------------------------------|
| STORMWATER PIT | OFF FORM |
| PAVEMENTS | MACHINE FLOAT OR BROOM FINISH |
| KERBS | STEEL FLOAT OR TROWEL |
- AUTHORITY SPECIFICATIONS TAKE PRECEDENCE
18. **REINFORCEMENT SYMBOLS:**
- N DENOTES GRADE 450 N BARS TO AS1302 GRADE N
- R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS1302
- SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS1304



- CONCRETE CURING**
19. THE CURING PROCESS FOR NEW CONCRETE IS TO INCORPORATE THE FOLLOWING ASPECTS, GENERALLY AS ORDERED;
- 19.1. SPRAY CURING COMPOUND
- 19.2. SAWCUT JOINTS AS LOCATED AND SPECIFIED AS SOON AS CURING PERMITS.
- COVER NEW PAVING WITH HESSIAN AND BLACK PLASTIC SHEETS TAPED AT JOINTS ON COMPLETION OF SAWCUTTING. NOTE COVERING IS TO EXTENT MIN 5m BEYOND PAVEMENT BEING CURED. OVER ADJOINING (EXISTING) PAVEMENT AREAS, MAINTAIN CURING AS SPECIFIED.

PAVEMENT JOINTS

1. PROVIDE 10mm ABLEFLEX BETWEEN NEW CONCRETE WORKS AND EXISTING STRUCTURES.
2. LOCAL AUTHORITY REQUIREMENTS SHALL TAKE PRECEDENCE WITHIN THE PUBLIC ROAD RESERVE.
3. DOWELS TO BE PLACED ON PROPRIETARY CRADLES TO ENSURE CORRECT SPACING AND ALIGNMENT.
4. **PEDESTRIAN PAVEMENTS**
- ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED AS FOLLOWS U.N.O. ON THE DESIGN DRAWINGS.
5. EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX. 6.0m CENTRES.
6. WEAKENED PLANE JOINTS (SAWN OR TOOL JOINTS) ARE TO BE LOCATED AT A MAX. SPACING OF 15m x WIDTH OF THE PAVEMENT.
7. WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND OR ADJACENT PAVEMENT JOINTS.
8. **TYPICAL PEDESTRIAN PAVEMENT JOINT DETAIL**
-
9. **VEHICULAR PAVEMENTS**
- ALL VEHICULAR PAVEMENTS TO BE JOINTED AS FOLLOWS U.N.O. ON THE DESIGN DRAWINGS.
10. TIED KEYED CONSTRUCTION JOINTS SHOULD GENERALLY BE LOCATED LONGITUDINALLY AT A MAX. OF 6.0m CENTRES.
11. SAWN JOINTS SHOULD GENERALLY BE LOCATED LATERALLY AT A MAX. OF 6.0m CENTRES WITH DOWELED EXPANSION JOINTS AT MAX. 18.0m CENTRES.
12. **TYPICAL VEHICULAR PAVEMENT JOINT DETAIL**
-
13. KERB EXPANSION JOINTS SHALL BE FORMED FROM 10mm ABLEFLEX FOR FULL DEPTH OF SECTION.
14. KERB EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, TANGENT POINTS OF CURVES / CORNERS AND AT 12m MAX CENTRES.
15. KERB TOOLED JOINTS TO BE MIN 3mm WIDE AND LOCATED AT MAX 3m CENTRES.
16. INTEGRAL KERB JOINTS SHALL MATCH THE LOCATION OF PAVEMENT JOINTS.

CONCRETE

1. CARRY OUT ALL CONCRETE WORK IN ACCORDANCE WITH AS3600 AND NATSPEC CONCRETE STANDARDS.
2. **CONCRETE PROPERTIES AND COVER TO REINFORCING:**
- | ELEMENT | CONCRETE STRENGTH f'c (MPa) | MAX. 56 DAY DRYING SHRINKAGE | COVER (mm) |
|-----------------|-----------------------------|------------------------------|----------------|
| SLABS ON GROUND | 32 | 650microns | TOP 40, BTM 40 |
| TANK LID | 40 | 700microns | TOP 40, BTM 40 |
- MAXIMUM AGGREGATE SIZE = 20mm U.N.O.
- SLUMP DURING PLACING = 75mm
- EXPOSURE CLASSIFICATION = B1
- NO ADMIXTURES SHALL BE USED IN CONCRETE MIX UNLESS APPROVED BY STRUCTURAL ENGINEER IN WRITING.
3. **CONCRETE PROPERTIES FOR SLABS AND BEAMS SHALL BE VARIED FROM NORMAL CLASS AS FOLLOWS:**
- MINIMUM CEMENT CONTENT 250kg/cu.m.
 - PRIOR TO COMMENCEMENT CONCRETE SUPPLIER TO PROVIDE DRYING SHRINKAGE TEST RESULTS FROM PRODUCTION ASSESSMENT AS EVIDENCE THAT SPECIFIED DRYING SHRINKAGE LIMITS CAN BE ACHIEVED USING NORMAL MIX DESIGN.
4. SUBMIT FOR APPROVAL THE FOLLOWING TO THE STRUCTURAL ENGINEER:
- CURING PROCEDURE (PVA MEMBRANES NOT PERMITTED)
 - STRIPPING PROCEDURE
 - DETAILS AND LOCATION OF CAST IN SERVICES
 - CONDUITS, PENETRATIONS AND CONSTRUCTION JOINT LOCATIONS
5. ALL CONCRETE MIXES SHALL BE DESIGNED BY A RECOGNISED TESTING LAB AND SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER.
6. ALL COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW.
7. PROJECT CONTROL TESTING SHALL BE CARRIED OUT ON ALL CONCRETE IN ACCORDANCE WITH AS1379. TEST CYLINDERS ARE TO BE KEPT ON SITE.

CONCRETE (cont.)

8. FOR TENDER PURPOSES ASSUME MINIMUM STRIPPING TIMES AND EXTENT OF BACK PROPPING AS PER AS3610-1995 SECTION 5.0 AND AS PER GENERAL NOTES FOR FORMWORK AND PROPPING.
9. **FORMWORK FINISH CLASSIFICATION TO AS3600:**
- | ELEMENT | CLASS |
|-------------------|-------|
| INGROUND FOOTINGS | 5 |
| RETAINING WALLS | 5 |
| RETAINING WALLS | 3 |
| COLUMNS | 2 |
| BEAMS AND SLABS | 2 |
10. SURFACE FINISHES:
- COLUMNS AND WALLS OFF FORM
11. COMPACT ALL CONCRETE INCLUDING FOOTINGS AND SLABS, USING MECHANICAL VIBRATORS.
12. PLACE CONCRETE CONTINUOUSLY BETWEEN CONSTRUCTION JOINTS SHOWN ON PLAN. DO NOT BREAK OR INTERRUPT SUCCESSIVE POURS SUCH THAT COLD JOINTS OCCUR. ANY REVISIONS OR ADDITIONS TO CONSTRUCTION JOINTS SHOWN ON PLAN REQUIRE APPROVAL FROM THE STRUCTURAL ENGINEER.
13. **CONCRETE PROFILES:**
- BEAM DEPTHS ARE WRITTEN FIRST AND INCLUDE THE SLAB THICKNESS.
 - SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
 - NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN SHOWN IN THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
 - PROVIDE DRIP GROOVES AT ALL EXPOSED EDGES, CHAMFERS, DRIP GROOVES, REGLETS ETC TO BE TO ARCHITECTS DETAILS.
14. ALL PENETRATIONS TO HAVE 2-N16 TRIMMER BARS TOP AND BOTTOM TO EACH FACE U.N.O. EXTEND TRIMMERS 600 BEYOND PENETRATION.
15. SETDOWNS OR FALLS IN FLOOR SURFACES ARE NOT PERMITTED UNLESS SHOWN ON DRAWINGS. MAINTAIN MINIMUM SLAB THICKNESS SHOWN ON PLAN WHERE FALLS OCCUR.
16. **REINFORCEMENT GRADE AND NOTATION:**
- | SYMBOL | BAR SHAPE | STRENGTH GRADE (MPa) | DUCTILITY CLASS | TO COMPLY WITH AUST. STANDARD |
|--------|--------------------------------------|----------------------|-----------------|-------------------------------|
| N | DEFORMED RIB BAR | 500 | NORMAL | AS4671 |
| R | PLAIN ROUND BAR | 250 | NORMAL | AS4671 |
| RL | RECTANGULAR MESH OF DEFORMED RIB BAR | 500 | LOW | AS4671 |
| SL | SQUARE MESH OF DEFORMED RIB BAR | 500 | LOW | AS4671 |
| L-TM | TRENCH MESH | 500 | LOW | AS4671 |
- ALL REINFORCING BARS SHALL BE GRADE D5000 TO AS4671 AND ALL MESH SHALL BE GRADE 500L TO AS4671 U.N.O. CLASS L REINFORCEMENT SHALL NOT BE USED U.N.O.
- REINFORCEMENT LABELS:**
-
17. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY, AND NOT NECESSARILY IN TRUE PROJECTION. BARS SHOWN ARE INDICATIVE ONLY AND LENGTHS MAY VARY. BEAM ELEVATIONS TAKE PRECEDENCE OVER SECTIONS. SLAB PLANS TAKE PRECEDENCE OVER SECTIONS. REFER TO SECTIONS FOR EXTRA BARS THAT MAY BE REQUIRED.
18. USE ONLY ALL PLASTIC OR CONCRETE CHAIRS AT EXTERNAL SURFACES.
19. SITE BENDING OF REINFORCEMENT BARS SHALL BE DONE WITHOUT HEATING USING A RE-BENDING TOOL. THE BARS SHALL BE RE-BENT AGAINST A FLAT SURFACE OR A PIN WITH A DIAMETER NOT LESS THAN THE MINIMUM PIN SIZE PRESCRIBED IN AS3600-2001.
20. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN ON THE STRUCTURAL DRAWINGS OR IN POSITIONS OTHERWISE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. LAPS SHALL BE IN ACCORDANCE WITH AS3600 SECTION 13 AND NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR.
21. FOR LAPS IN MESH REFER TO SLAB ON GROUND NOTES.
22. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER
23. AT EXTERNALLY EXPOSED SURFACES NO METALLIC ITEMS INCLUDING FORM BOLTS, FORM SPACERS, METALLIC BAR CHAIRS AND TIE WIRE ARE TO BE PLACED IN THE COVER ZONE.
24. ALL REINFORCEMENT, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION AND INSPECTED BY THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.
25. HOLD DOWN BOLTS SHALL BE HOT DIPPED GALVANISED.
26. U.N.O. ALL MASONRY ANCHORS INTO CONCRETE SHALL BE RAMSET TRIBOLTS (LONGEST VERSION) OR APPROVED EQUIVALENT. BOLTS SHALL BE GALVANISED WHERE THEY ARE ADJOINING NON FERROUS OR PREPAINTED MEMBERS. PROVIDE STAINLESS STEEL BOLTS FOR ALL EXTERNAL CONDITIONS, OR WHERE EXPOSED TO THE WEATHER.

NOT FOR CONSTRUCTION

DESIGNED: S. FORD
DRAWN: V. CHON
JOB MANAGER: B. LAWRENCE
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
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PROJECT

HENSON PARK UPGRADES

CENTENNIAL STREET,
MARRICKVILLE, NSW, 2204

DRAWING TITLE

CIVIL ENGINEERING PACKAGE
CONSTRUCTION CERTIFICATE
SPECIFICATION NOTES - SHEET 02

JOB NUMBER

220322

DRAWING NUMBER

C0102

REVISION

01

DRAWING SHEET SIZE = A1

DRAWN: V CHON
DESIGNED: S FORD
JOB MANAGER: B LAWRENCE
VERIFIER:



LEGEND	
	SITE BOUNDARY LINE
	ADJACENT BOUNDARY LINE
	PROPOSED BUILDING FOOTPRINT
	PROPOSED DESIGN LAYOUT
	EXISTING CONTOURS
	SEDIMENT FENCE
	SECURITY FENCE
	GEOTEXTILE INLET FILTER TRAP
	STABILISED SITE ACCESS
	STOCKPILE

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PROJECT

HENSON PARK UPGRADES

**CENTENNIAL STREET,
MARRICKVILLE, NSW, 2204**

DRAWING TITLE

**CIVIL ENGINEERING PACKAGE
CONSTRUCTION CERTIFICATE**

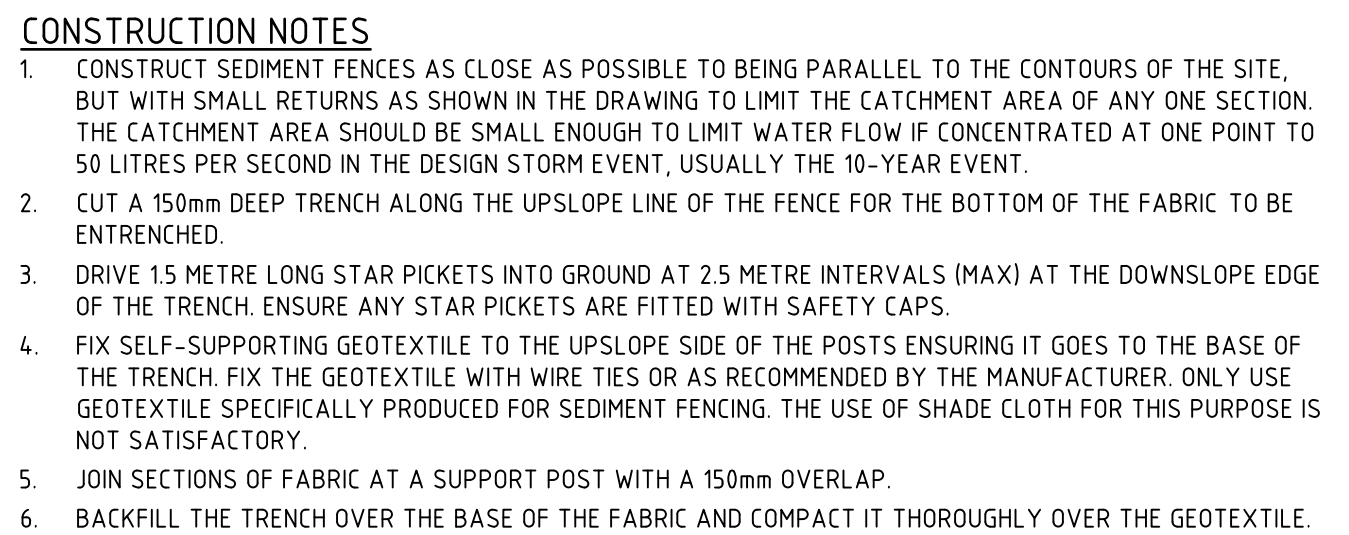
**SEDIMENT AND SOIL EROSION
CONTROL PLAN**

JOB NUMBER
220322

DRAWING NUMBER
C1001

REVISION
02

DRAWING SHEET SIZE = A1



STAR PICKETS

1 METRE MAX.

DROP INLET WITH GRATE

WIRE OR STEEL MESH (14 GAUGE x 150mm OPENINGS) WHERE GEOTEXTILE IS NOT SELF-SUPPORTING

WOVEN GEOTEXTILE

STAR PICKET FITTED WITH SAFETY CAP

WOVEN GEOTEXTILE

RUNOFF WATER WITH SEDIMENT

GEOTEXTILE EMBEDDED 150mm INTO GROUND

FILTERED WATER

SANDBAGS

WATERWAY

EXCAVATION

EARTH BANK

FOR DROP INLETS AT NON-SAG POINTS, SANDBAGS, EARTH BANK OR EXCAVATION USED TO CREATE ARTIFICIAL SAG POINT

CONSTRUCTION SITE

MINIMUM WIDTH 3m

MINIMUM LENGTH 15m

PROPERTY BOUNDARY

200mm MINIMUM

300mm MINIMUM

GDB20 ROADBASE OR 30mm AGGREGATE

EXISTING ROADWAY

RUNOFF DIRECTED TO SEDIMENT TRAP/FENCE

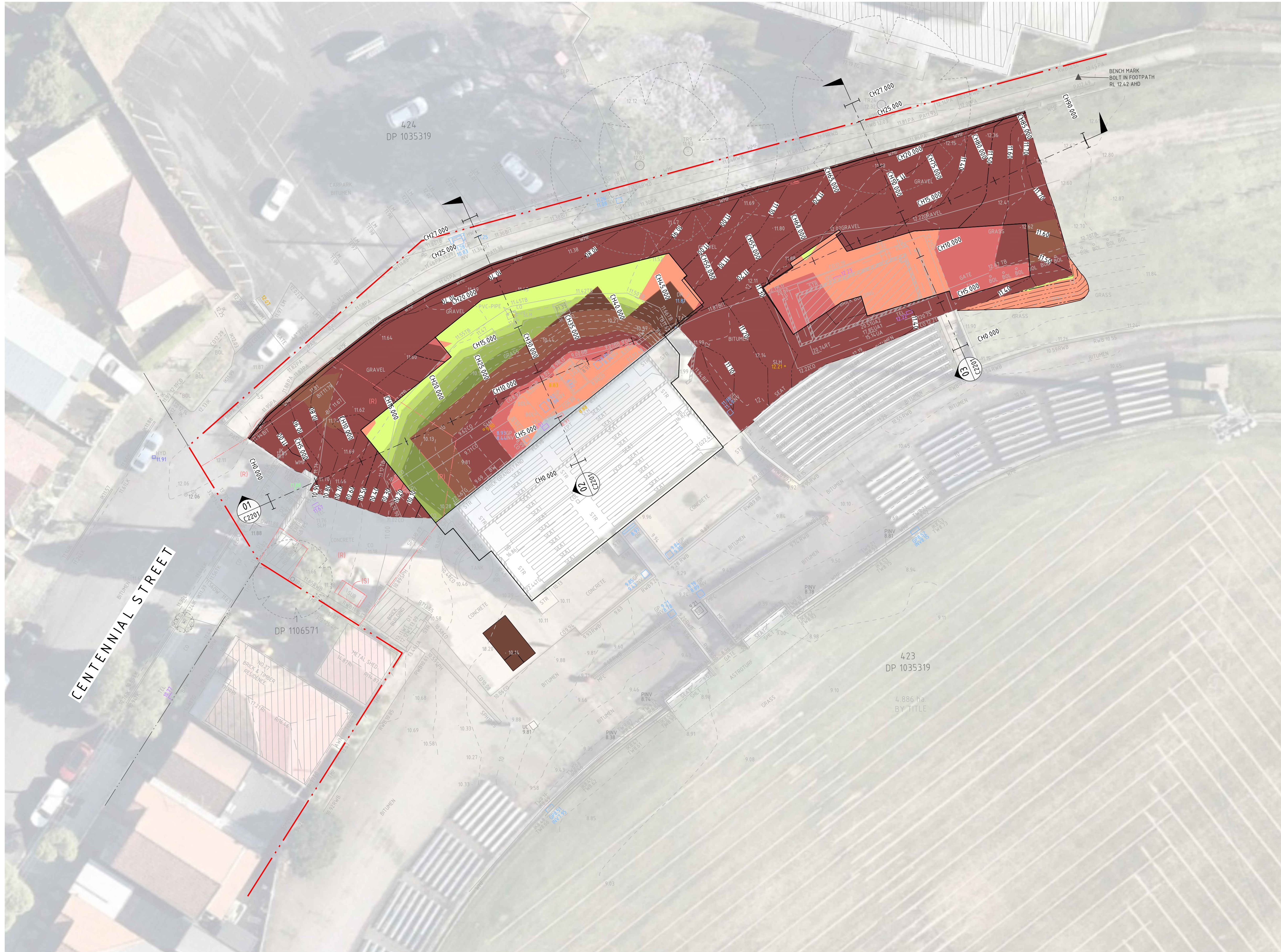
GEOTEXTILE FABRIC DESIGNED TO PREVENT INTERMINGING OF SUBGRADE AND BASE MATERIALS AND TO MAINTAIN GOOD PROPERTIES OF THE SUB-BASE LAYERS. GEOFABRIC MAY BE A WOVEN OR NEEDLE-PUNCHED PRODUCT WITH A MINIMUM CBR BURST STRENGTH (AS3706 4-90) OF 2500 N

DRAWN: V CHON DESIGNED: S. FORD JOB MANAGER: B. LAWRENCE VERIFIER:

REVISION		DESCRIPTION		ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	NOTES		 NORTHROP Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	PROJECT	DRAWING TITLE	JOB NUMBER
01	ISSUED FOR CLIENT REVIEW		AF	SF		25.01.23		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE	NOT TO SCALE	HENSON PARK UPGRADES CENTENNIAL STREET, MARRICKVILLE, NSW, 2204	CIVIL ENGINEERING PACKAGE CONSTRUCTION CERTIFICATE SEDIMENT AND SOIL EROSION CONTROL DETAILS		220322		
02	ISSUED FOR TENDER		UM	SF	10.02.23	DRAWING NUMBER C1101							REVISION 02		
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DESIGNED: S FORD
JOB MANAGER: B LAWRENCE
VERIFIER:



LEGEND

SITE BOUNDARY LINE

EXISTING BOUNDARY LINE

BULK CONTOURS

DEPTH OF CUT

- 15.0m TO - 10.0m

- 10.0m TO - 5.0m

- 5.0m TO - 2.0m

- 2.0m TO - 1.0m

- 1.0m TO - 0.5m

- 0.5m TO - 0.25m

- 0.25m TO - 0.0m

DEPTH OF FILL

0.0m TO 0.25m

0.25m TO 0.5m

0.5m TO 1.0m

1.0m TO 2.0m

2.0m TO 5.0m

5.0m TO 10.0m

10.0m TO 15.0m

- GENERAL NOTES:**
1. REFER SPECIFICATIONS NOTES FOR EARTHWORKS GENERAL REQUIREMENTS.

2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.

3. CAD FILES / DTM FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).

4. STRIP EXISTING TOPSOIL IN CONSULTATION WITH THE GEOTECHNICAL ENGINEER / REPORT. FOR THE PURPOSES OF EARTHWORKS CALCULATIONS A TOPSOIL STRIPPING DEPTH WAS NOT CONSIDERED.

5. NO ALLOWANCE HAS BEEN MADE FOR BULKING FACTORS. NOTE ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY AND MAY NOT REFLECT DETAILED EARTHWORKS.

6. NO ALLOWANCE HAS BEEN MADE FOR DETAILED EARTHWORKS, ie SERVICE TRENCHING, DETAILED EXCAVATION, FOOTINGS, RETAINING WALLS AND THE LIKE. CONTRACTOR IS TO ALLOW FOR REMOVAL OF ALL EXCESS MATERIAL GENERATED BY THE WORKS.

7. THE CONTRACTOR SHALL USE FINAL SURFACE LEVELS AND TYPICAL PAVEMENT DETAILS FOR ACTUAL EARTHWORKS LEVELS.

8. CUT / FILL ARE BASED ON THE FOLLOWING DEPTHS FROM FINISHED SURFACE LEVELS;

8.1. ALL VEHICULAR / PEDESTRIAN PAVEMENTS 800mm

8.2. BUILDING SLAB (REFER STRUCTURAL DWG) 200mm

8.3. SOFTSCAPE (LANDSCAPED) AREA 200mm

9. APPROXIMATE CUT / FILL VALUES AS FOLLOWS;

9.1. CUT 984 m³

9.2. FILL 84.5 m³

9.3. BALANCE 899.5 m³

9.4. NOTE: SITE STRIPPING VOLUMES HAVE NOT BEEN INCLUDED IN ABOVE CALCULATIONS.

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SCALE 1:200@ A1

0

2

4

6

8

10m

NORTHROP

Sydney

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PROJECT

HENSON PARK UPGRADES

**CENTENNIAL STREET,
MARRICKVILLE, NSW, 2204**

DRAWING TITLE

**CIVIL ENGINEERING PACKAGE
CONSTRUCTION CERTIFICATE**

**BULK EARTHWORKS CUT AND
FILL PLAN**

JOB NUMBER

220322

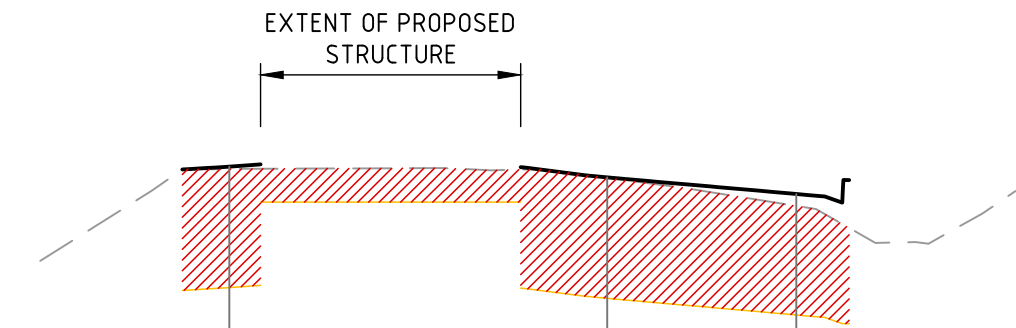
DRAWING NUMBER

C2001

REVISION

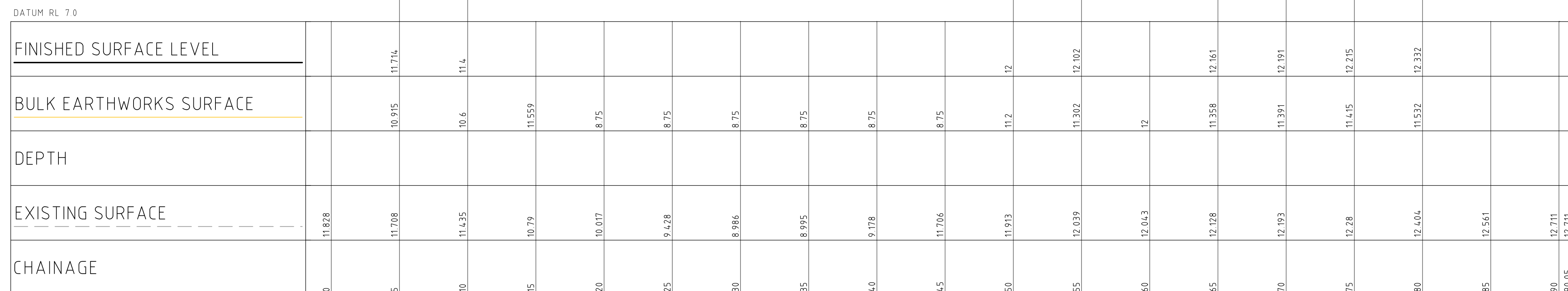
02

DRAWING SHEET SIZE = A1



DATUM RL 10.0						
FINISHED SURFACE LEVEL						
BULK EARTHWORKS SURFACE						
DEPTH						
EXISTING SURFACE						
CHAINAGE						

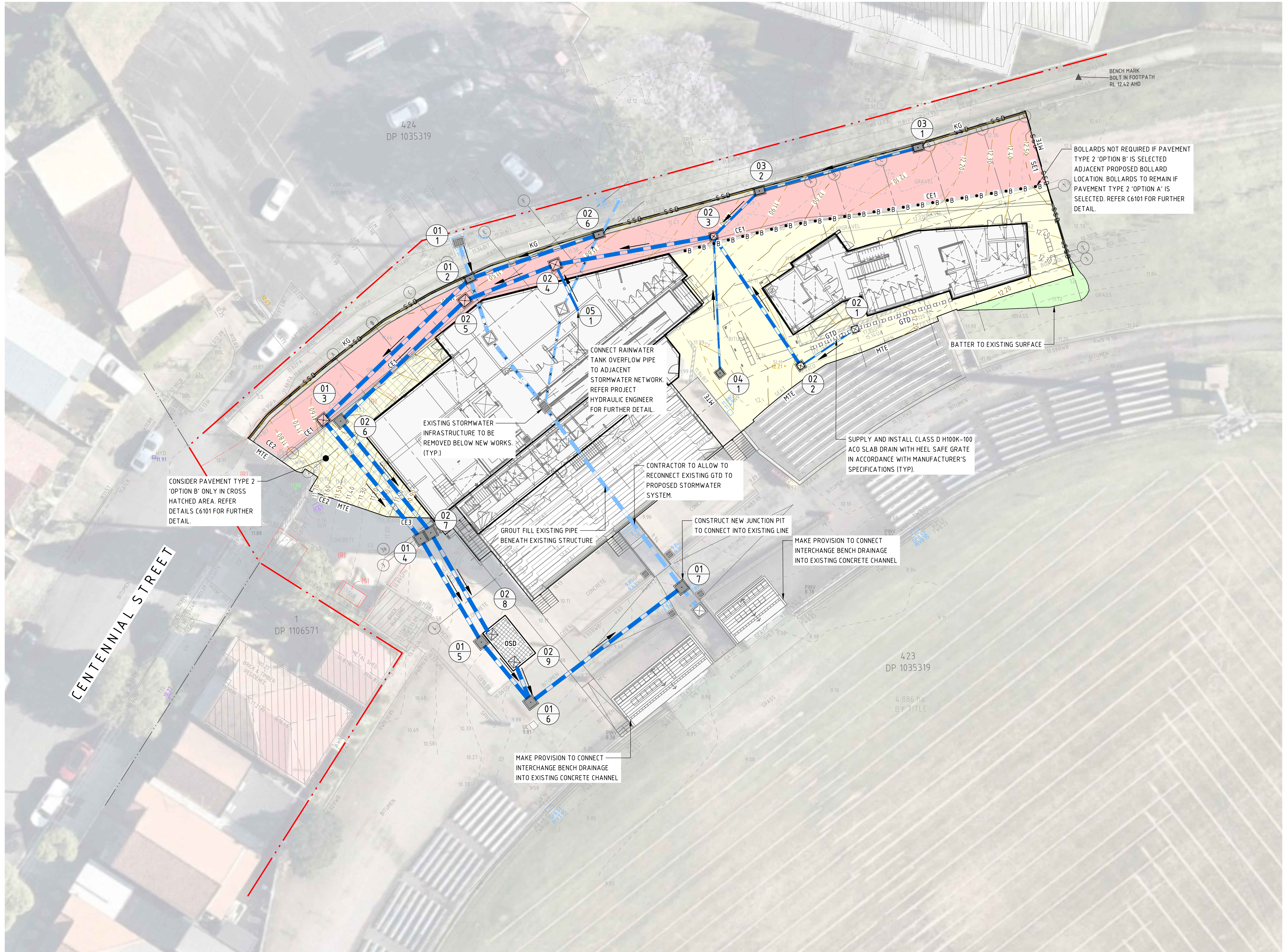
BULK EARTHWORKS SECTION 03
HORIZONTAL SCALE 1:200 @ A1
VERTICAL SCALE 1:50 @ A1



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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT		PROJECT	DRAWING TITLE	JOB NUMBER			
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02	ISSUED FOR TENDER	UM		SF	10.02.23								DRAWING NUMBER	REVISION
													C2201	02
													DRAWING SHEET SIZE = A1	
DRAWING SHEET SIZE = A1														

DRAWN: V CHON
DESIGNED: S FORD
JOB MANAGER: B LAWRENCE
VERIFIER:



LEGEND

- SITE BOUNDARY LINE
- ADJACENT BOUNDARY LINE
- STORMWATER PIPE
- EXISTING STORMWATER PIPE
- EXISTING SERVICE TO BE REMOVED
- GRADED INLET PIT (NEW / EXTG)
- JUNCTION PIT (NEW / EXTG)
- OSD
- ON-SITE DETENTION TANK
- SSD
- SUBSOIL DRAINAGE LINE
- GTD
- GRADED TRENCH DRAIN
- PROPOSED CONTOURS
- EXISTING CONTOURS
- SIGNIFICANT TREES TP2s (REFER ARBORIST DOCUMENTATION)
- KG
- KERB AND GUTTER
- CE1
- PAVEMENT INTERFACE 1 - REFER DETAILS FOR FURTHER INFORMATION
- CE2
- PAVEMENT INTERFACE 2 - REFER DETAILS FOR FURTHER INFORMATION
- CE3
- PAVEMENT INTERFACE 3 - REFER DETAILS FOR FURTHER INFORMATION
- CE4
- PAVEMENT INTERFACE 4 - REFER DETAILS FOR FURTHER INFORMATION
- SE5
- PAVEMENT INTERFACE 5 - REFER DETAILS FOR FURTHER INFORMATION
- DECOMPOSED GRANITE
- PAVED AREA (REFER ARCHITECT FOR FINISH)
- LANDSCAPING

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CLIENT

AFL NSW/ACT **JETS**

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ARCHITECT

crawford architects

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SCALE 1:200@A1

0 2 4 6 8 10m

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PROJECT

HENSON PARK UPGRADES

**CENTENNIAL STREET,
MARRICKVILLE, NSW, 2204**

DRAWING TITLE

**CIVIL ENGINEERING PACKAGE
CONSTRUCTION CERTIFICATE**

**SITEWORKS AND STORMWATER
MANAGEMENT PLAN**

JOB NUMBER

220322

DRAWING NUMBER

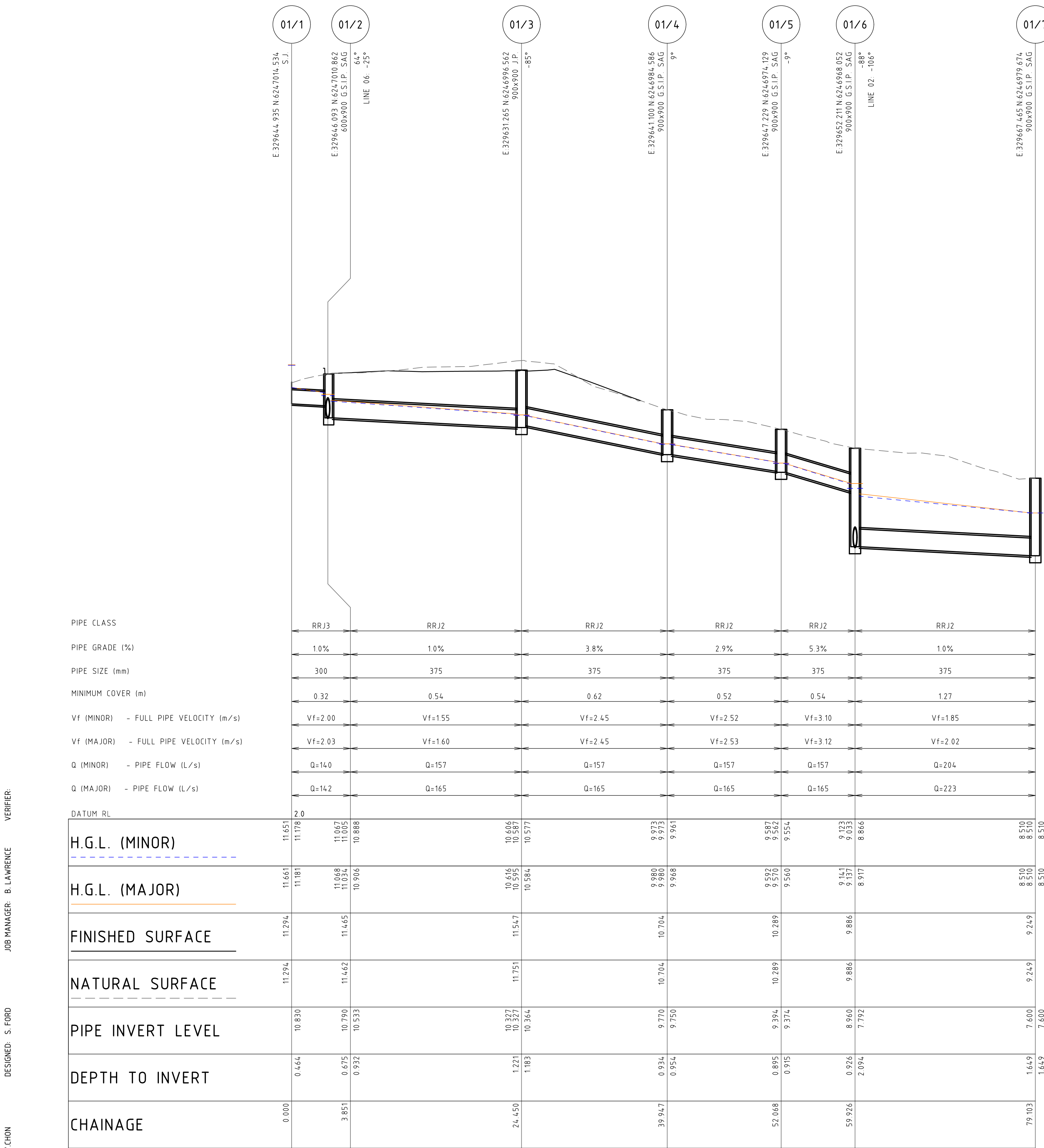
C3001

REVISION

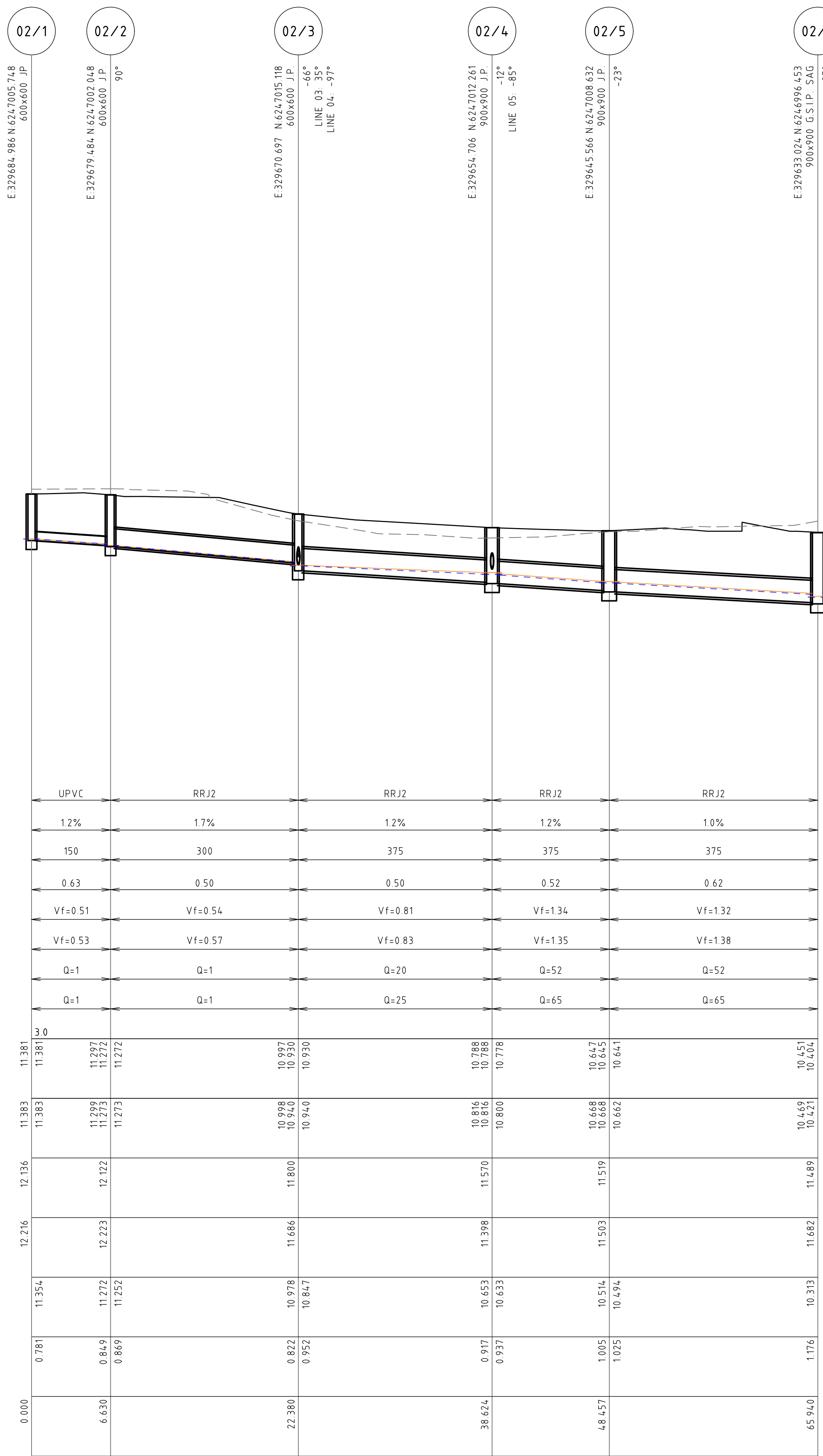
02

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DRAWN: V CHON DESIGNED: S. FORD JOB MANAGER: B. LAWRENCE VERIFIER:



LINE 01



LINE 02

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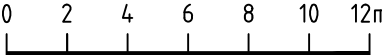
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PROJECT

HENSON PARK UPGRADES

CENTENNIAL STREET,
MARRICKVILLE, NSW, 2204

DRAWING TITLE

CIVIL ENGINEERING PACKAGE
CONSTRUCTION CERTIFICATE

STORMWATER LONGITUDINAL
SECTIONS - SHEET 01

JOB NUMBER

220322

DRAWING NUMBER

C4001

REVISION

02

DRAWING SHEET SIZE = A1

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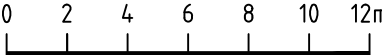
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PROJECT

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**CENTENNIAL STREET,
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DRAWING TITLE

**CIVIL ENGINEERING PACKAGE
CONSTRUCTION CERTIFICATE**

**STORMWATER LONGITUDINAL
SECTIONS - SHEET 02**

JOB NUMBER

220322

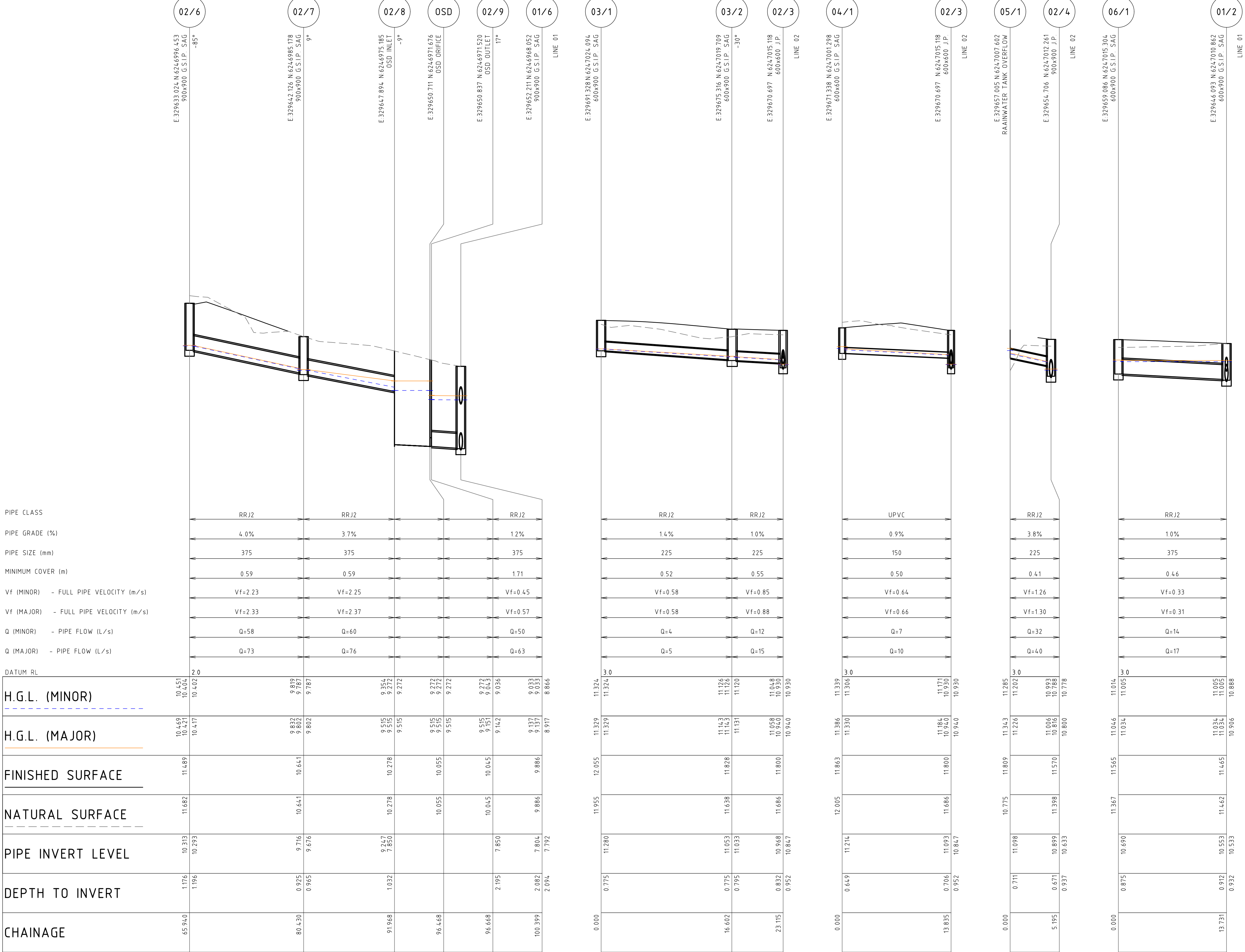
DRAWING NUMBER

C4002

REVISION

02

DRAWING SHEET SIZE = A1



NOT FOR CONSTRUCTION

DRAWN: V CHON
DESIGNED: S FORD
JOB MANAGER: B LAWRENCE
VERIFIER:



LEGEND

SITE BOUNDARY LINE

ADJUCANT BOUNDARY LINE

EXISTING CATCHMENT AREA

PROPOSED DEVELOPMENT CATCHMENT AREA

BYPASS CATCHMENT AREA

XXXX
X.XXXha

STORMWATER PIT TAG CATCHMENT AREA (ha)

OVERLAND FLOW

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR CLIENT REVIEW	AF		SF	25.01.23
02	ISSUED FOR TENDER	UM		SF	10.02.23

AFL

NSW/ACT

JETS

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ARCHITECT

crawford

architects

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SCALE 1:400@ A1

048121620m

NORTHROP

Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

HENSON PARK UPGRADES

CENTENNIAL STREET,
MARRICKVILLE, NSW, 2204

DRAWING TITLE

CIVIL ENGINEERING PACKAGE
CONSTRUCTION CERTIFICATE

STORMWATER CATCHMENT PLAN

JOB NUMBER

220322

DRAWING NUMBER

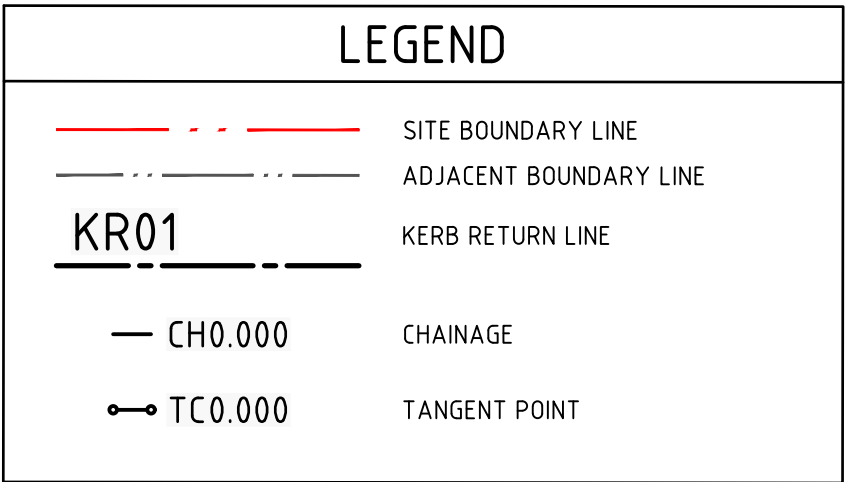
C4201

REVISION

02

DRAWING SHEET SIZE = A1

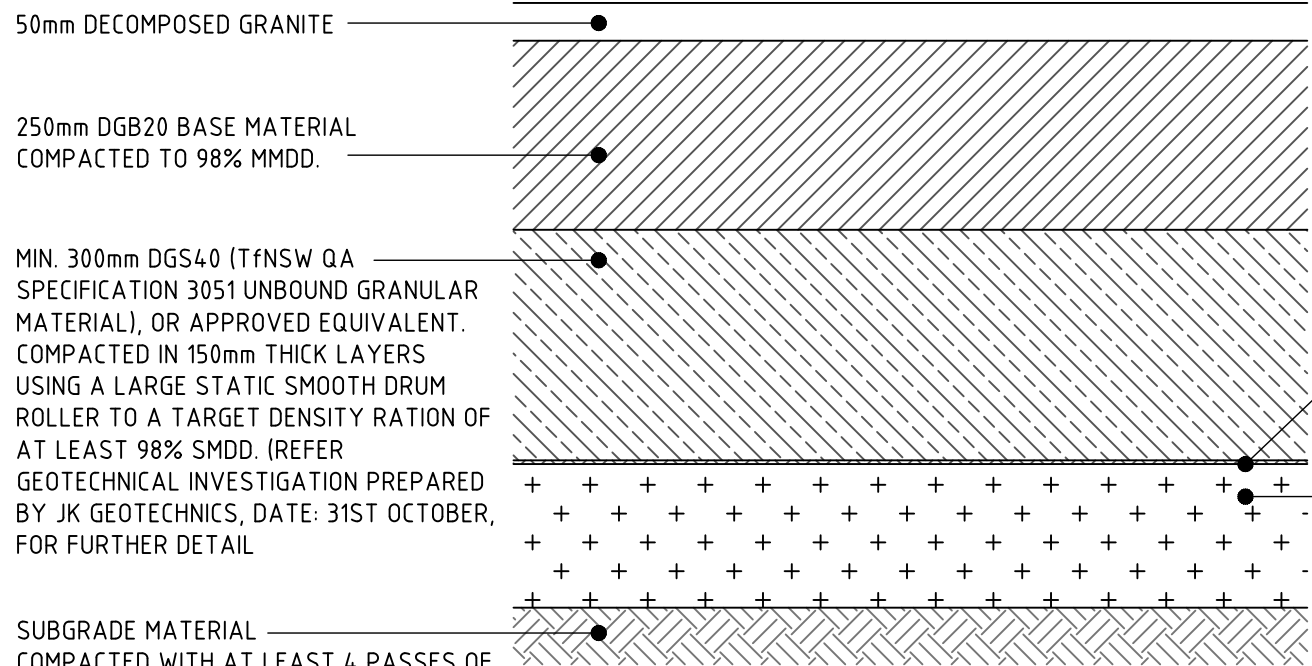
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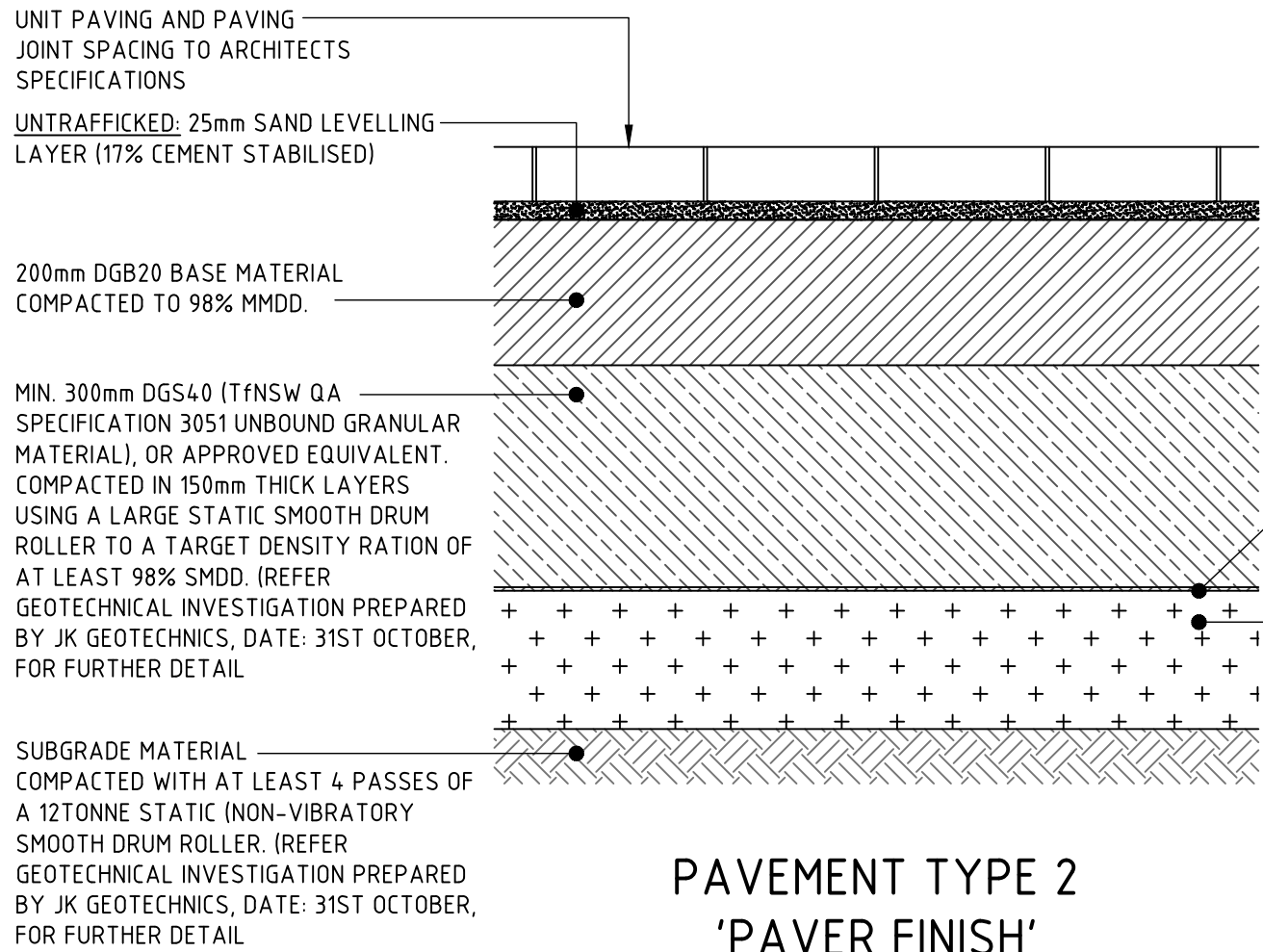
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DRAWING NUMBER		REVISION	
C5002		02	
DRAWING SHEET SIZE = A1			

NOT FOR CONSTRUCTION

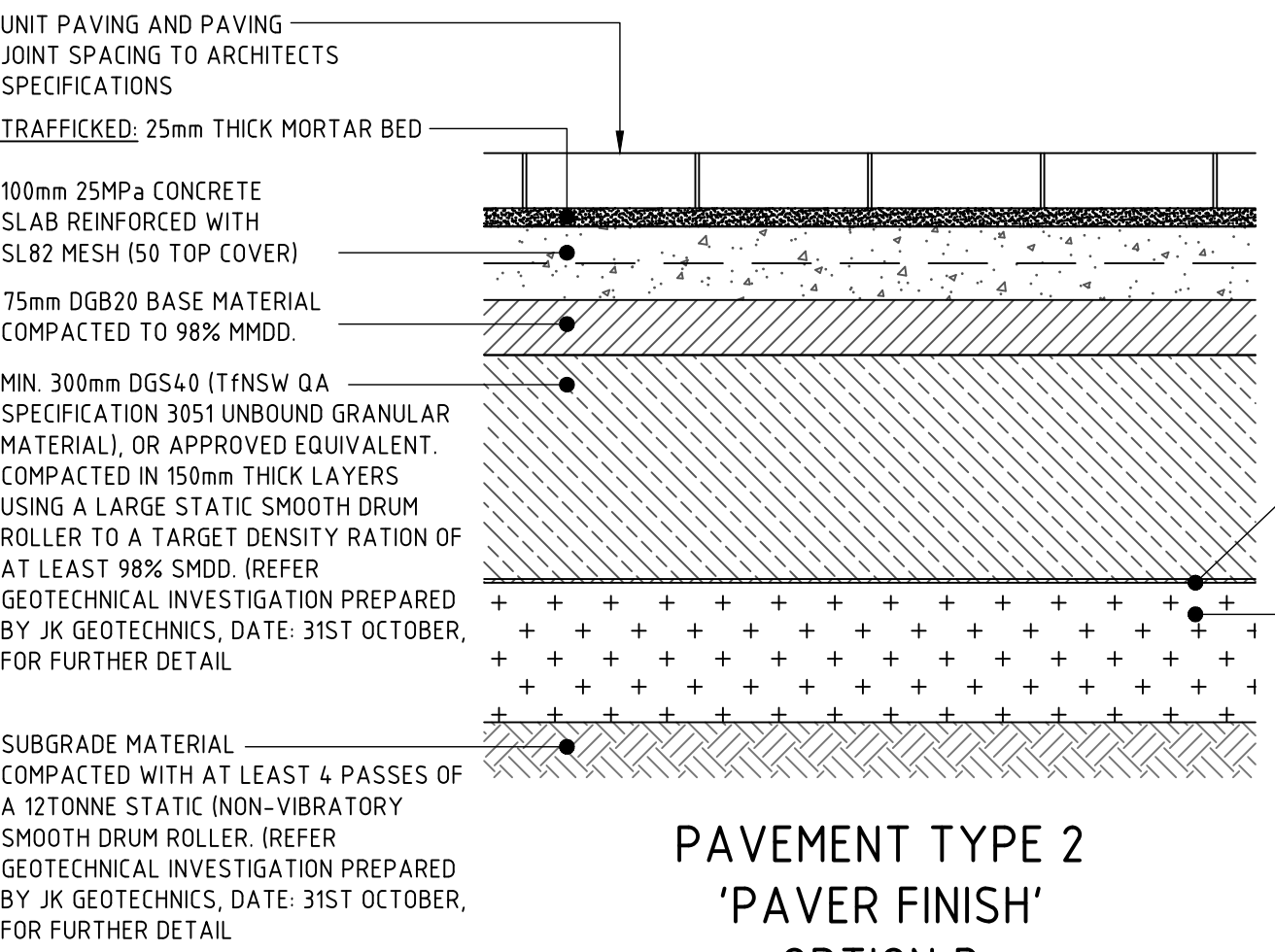
DRAWN: V CHON
DESIGNED: S. FORD
JOB MANAGER: B. LAWRENCE
VERIFIER:



PAVEMENT TYPE 1
'DECOMPOSED GRANITE'
MIN CBR 3% (CONTRACTOR TO CONFIRM ONSITE)
SCALE 1:10



PAVEMENT TYPE 2
'PAVER FINISH'
OPTION A
MIN CBR 3% (CONTRACTOR TO CONFIRM ONSITE)
SCALE 1:10



PAVEMENT TYPE 2
'PAVER FINISH'
OPTION B
MIN CBR 3% (CONTRACTOR TO CONFIRM ONSITE).
CONTRACTOR TO ALLOW FOR JOINTS - REFER JOINT DETAILS

HIGH TENSILE GEOGRID (TENSAR TriAx TX160 OR APPROVED EQUIVALENT). (REFER GEOTECHNICAL INVESTIGATION PREPARED BY JK GEOTECHNICS, DATE: 31ST OCTOBER, FOR FURTHER DETAIL)

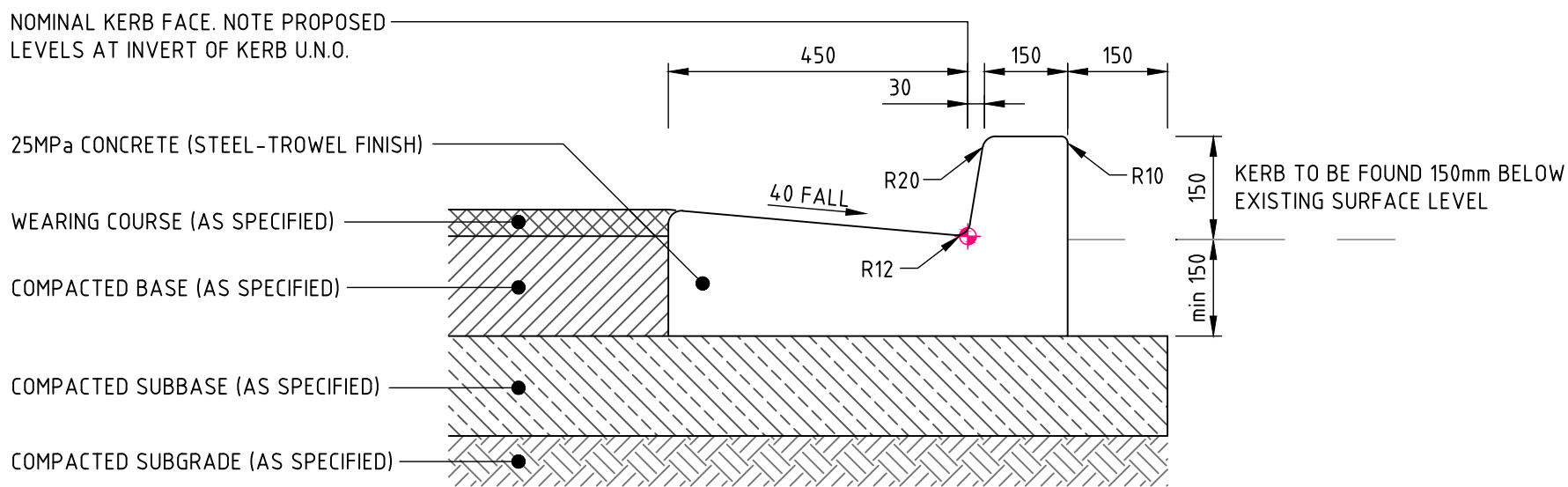
MAX. 200mm 40/70 CRUSHED CONCRETE WITH NO BRICK OR CERAMIC INCLUSIONS, OR APPROVED EQUIVALENT PLACED IN 15mm THICK LOOSE LAYER AND 'PUNCHED' INTO SUBGRADE BY TRACKING WITH A LARGE EXCAVATOR OR WITH A LARGE STATIC (NON-VIBRATORY) PAD FOOT ROLLER. THE ARTERIAL SHOULD BE TOPPED UP AND COMPACTED UNTIL IT CAN NO LONGER BE 'PUNCHED' INTO THE SUBGRADE OR AT 300mm BELOW THE DESIGN SUBGRADE LEVEL, WHICHEVER OCCURS FIRST. (REFER GEOTECHNICAL INVESTIGATION PREPARED BY JK GEOTECHNICS, DATE: 31ST OCTOBER, FOR FURTHER DETAIL)

HIGH TENSILE GEOGRID (TENSAR TriAx TX160 OR APPROVED EQUIVALENT). (REFER GEOTECHNICAL INVESTIGATION PREPARED BY JK GEOTECHNICS, DATE: 31ST OCTOBER, FOR FURTHER DETAIL)

MAX. 200mm 40/70 CRUSHED CONCRETE WITH NO BRICK OR CERAMIC INCLUSIONS, OR APPROVED EQUIVALENT PLACED IN 15mm THICK LOOSE LAYER AND 'PUNCHED' INTO SUBGRADE BY TRACKING WITH A LARGE EXCAVATOR OR WITH A LARGE STATIC (NON-VIBRATORY) PAD FOOT ROLLER. THE ARTERIAL SHOULD BE TOPPED UP AND COMPACTED UNTIL IT CAN NO LONGER BE 'PUNCHED' INTO THE SUBGRADE OR AT 300mm BELOW THE DESIGN SUBGRADE LEVEL, WHICHEVER OCCURS FIRST. (REFER GEOTECHNICAL INVESTIGATION PREPARED BY JK GEOTECHNICS, DATE: 31ST OCTOBER, FOR FURTHER DETAIL)

HIGH TENSILE GEOGRID (TENSAR TriAx TX160 OR APPROVED EQUIVALENT). (REFER GEOTECHNICAL INVESTIGATION PREPARED BY JK GEOTECHNICS, DATE: 31ST OCTOBER, FOR FURTHER DETAIL)

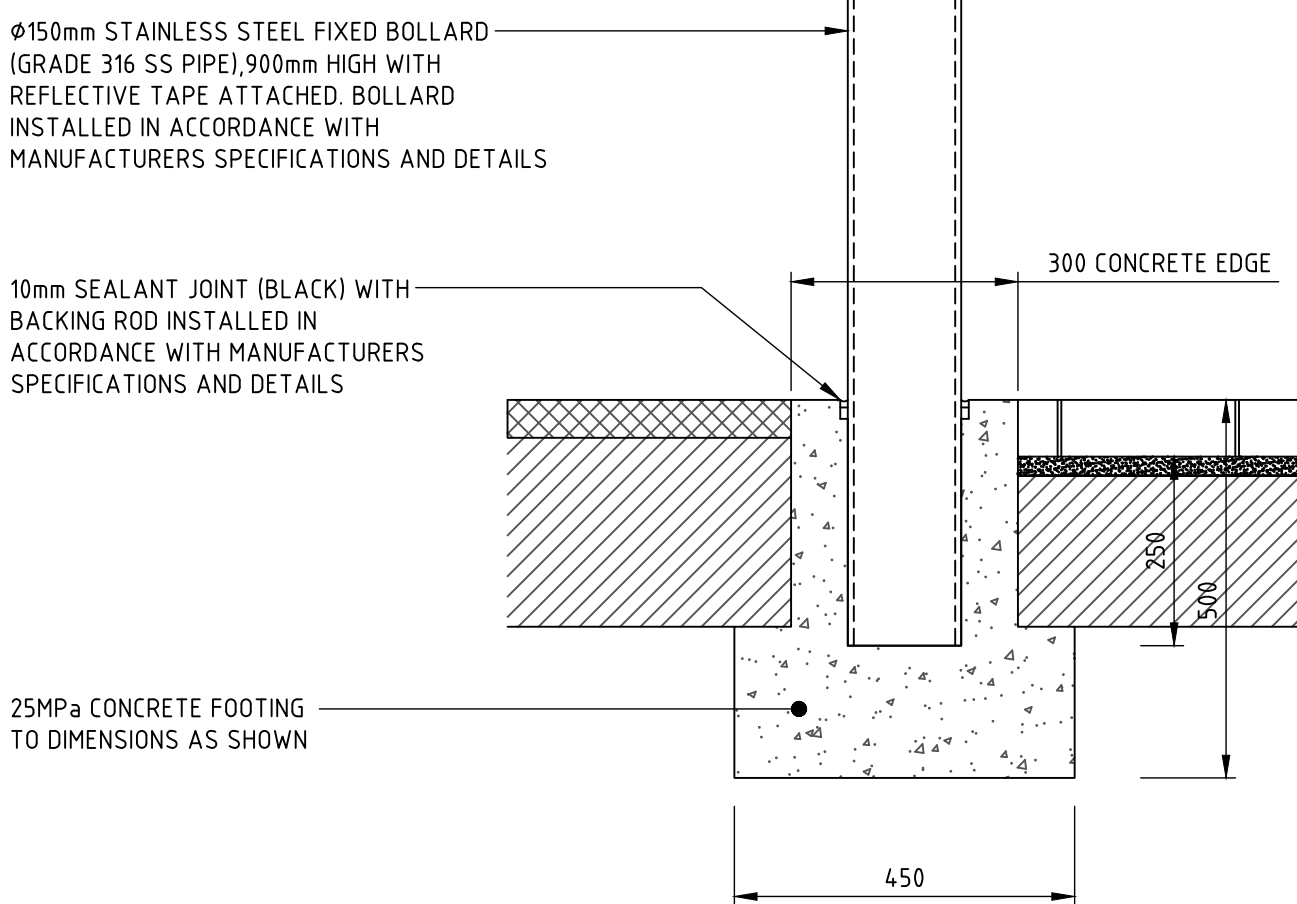
MAX. 200mm 40/70 CRUSHED CONCRETE WITH NO BRICK OR CERAMIC INCLUSIONS, OR APPROVED EQUIVALENT PLACED IN 15mm THICK LOOSE LAYER AND 'PUNCHED' INTO SUBGRADE BY TRACKING WITH A LARGE EXCAVATOR OR WITH A LARGE STATIC (NON-VIBRATORY) PAD FOOT ROLLER. THE ARTERIAL SHOULD BE TOPPED UP AND COMPACTED UNTIL IT CAN NO LONGER BE 'PUNCHED' INTO THE SUBGRADE OR AT 300mm BELOW THE DESIGN SUBGRADE LEVEL, WHICHEVER OCCURS FIRST. (REFER GEOTECHNICAL INVESTIGATION PREPARED BY JK GEOTECHNICS, DATE: 31ST OCTOBER, FOR FURTHER DETAIL)



KERB & GUTTER 'KG'

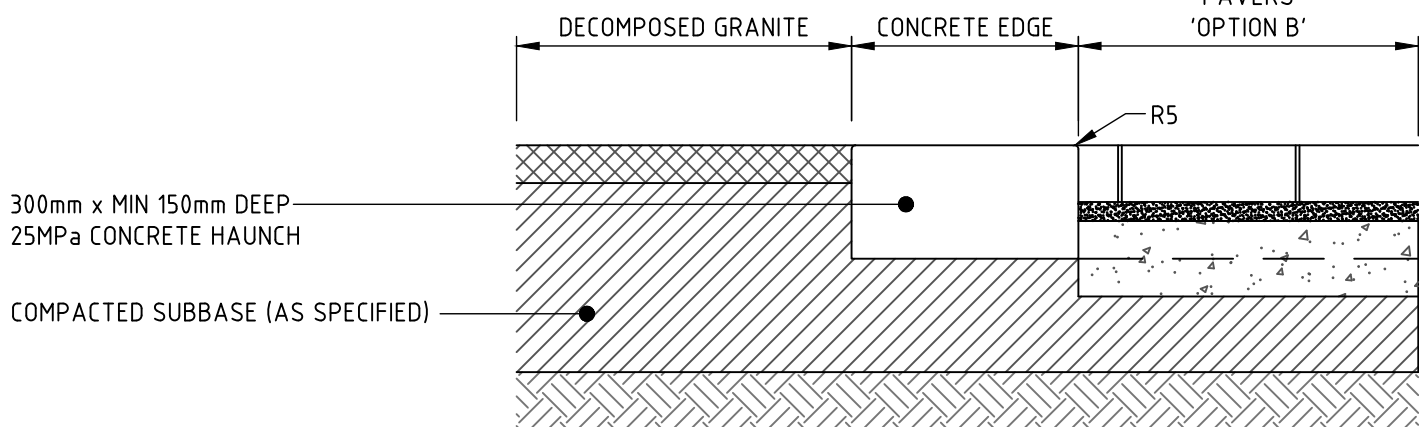
EXPANSION JOINTS @ MAX 12m CTRS / TOOL JOINTS @ MAX 3m CTRS
ALL RADII TO BE 20mm U.N.O.

SCALE 1:10



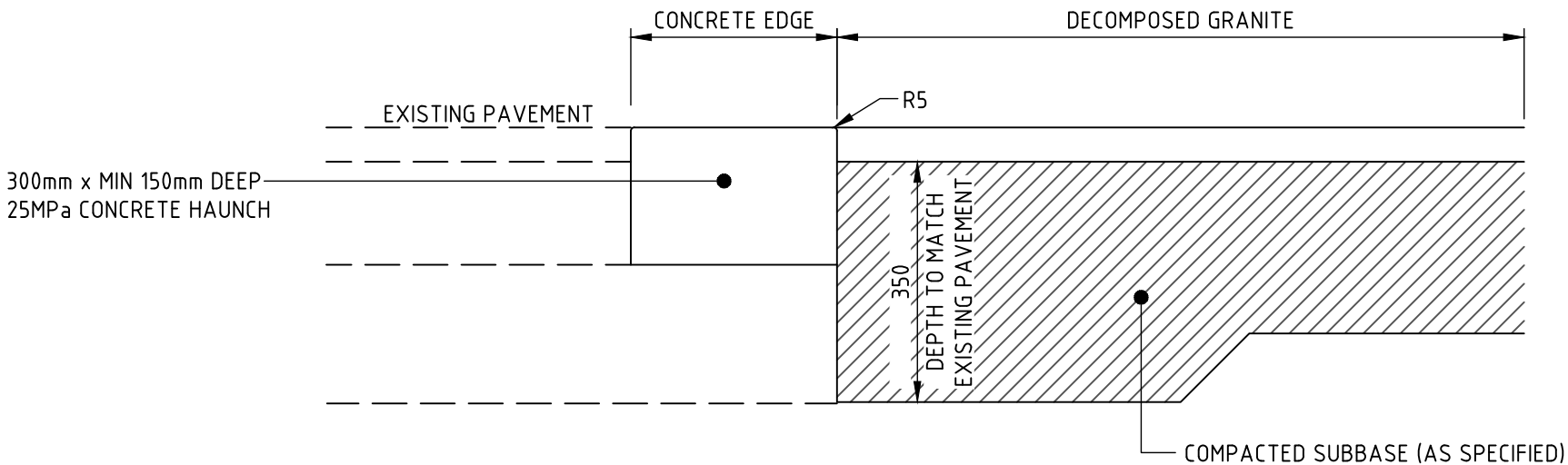
PAVEMENT INTERFACE 'CE1'

DECOMPOSED GRANITE / CONCRETE EDGE WITH BOLLARD / PAVER FINISH OPTION A)
SCALE 1:10



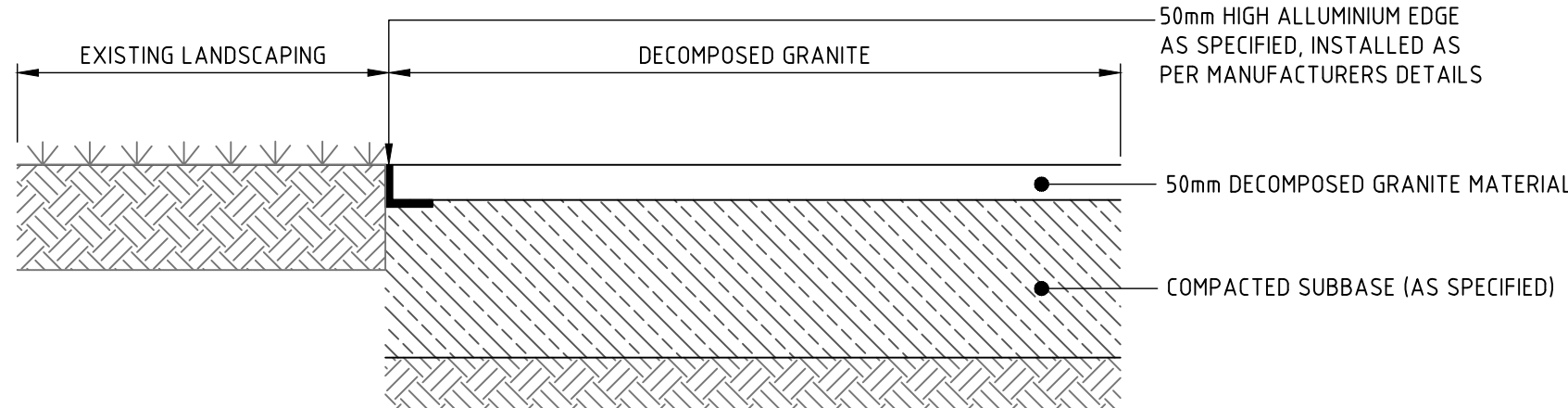
PAVEMENT INTERFACE 'CE1'

DECOMPOSED GRANITE / CONCRETE EDGE / PAVER FINISH OPTION B
SCALE 1:10



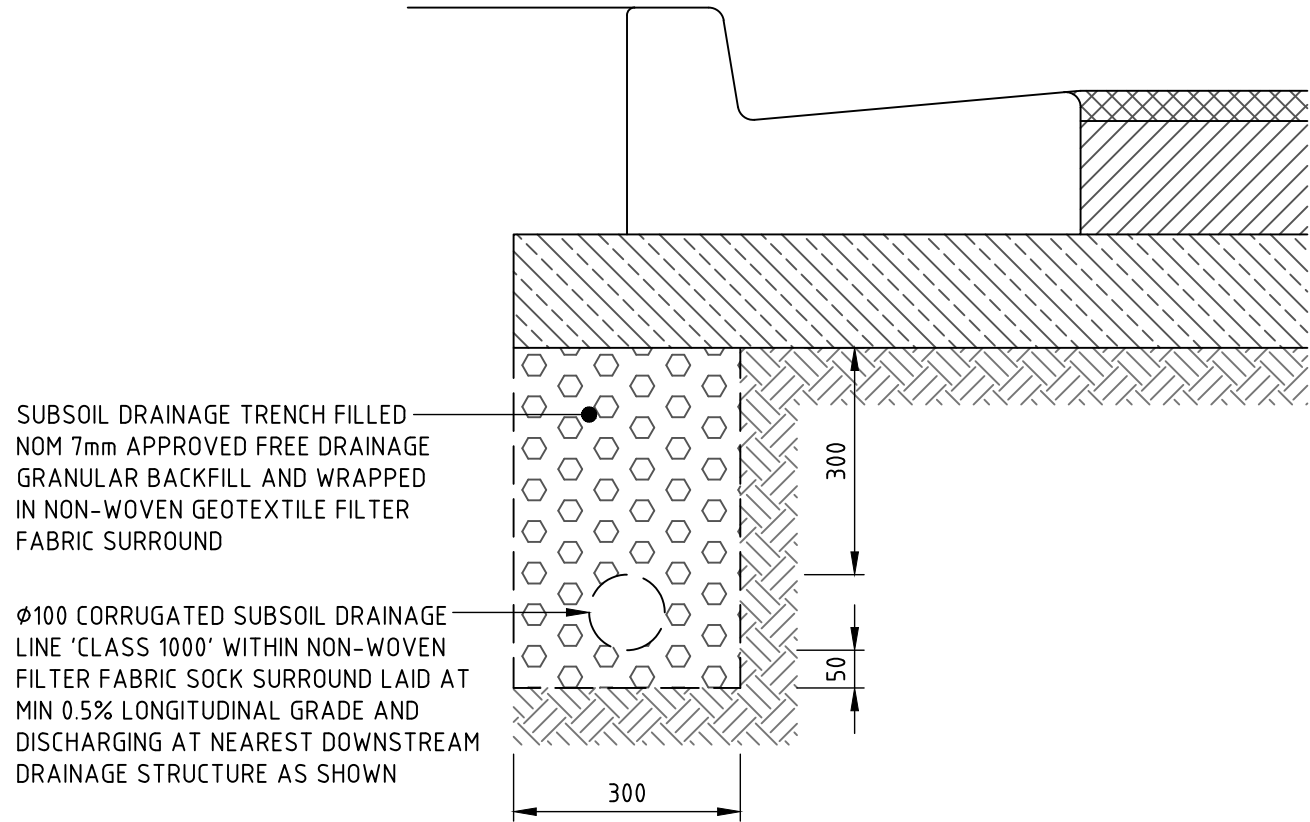
PAVEMENT INTERFACE 'CE2'

EXISTING ASPHALT PAVEMENT / CONCRETE EDGE / DECOMPOSED GRANITE
SCALE 1:10



PAVEMENT INTERFACE 'SE5'

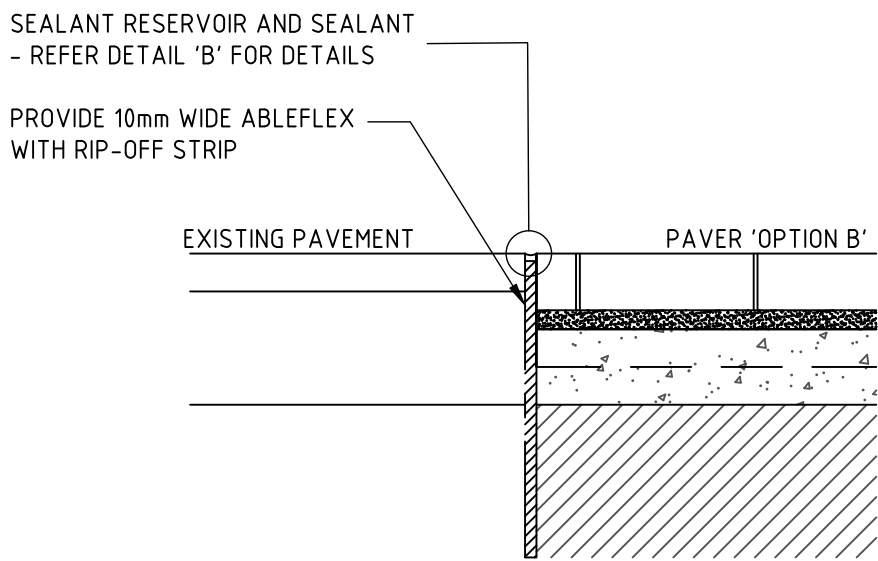
EXISTING LANDSCAPING / STEEL EDGE / DECOMPOSED GRANITE
SCALE 1:10



SUBSOIL DRAINAGE TRENCH 'SSD'

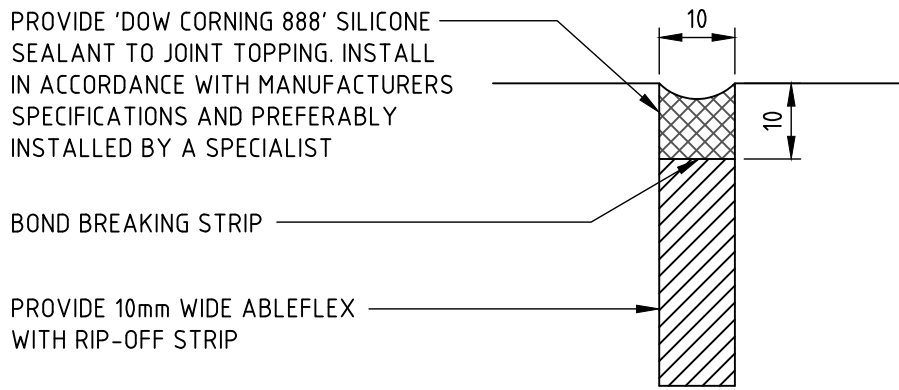
CLEAROUT TO BE INSTALLED @ MAX 30m CENTRES AND DISCHARGING TO DRAINAGE STRUCTURES @ MAX 60m CENTRES.

SCALE 1:10



PAVEMENT INTERFACE 'CE2'

EXISTING CONCRETE PAVEMENT / ABLEFLEX / PAVER FINISH 'OPTION B'
SCALE 1:10



DETAIL 'B'

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR CLIENT REVIEW	AF		SF	25.01.23
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PROJECT
HENSON PARK UPGRADES
CENTENNIAL STREET,
MARRICKVILLE, NSW, 2204

DRAWING TITLE
CIVIL ENGINEERING PACKAGE
CONSTRUCTION CERTIFICATE
DETAILS - SHEET 01

JOB NUMBER 220322	REVISION 02
DRAWING NUMBER C6101	DRAWING SHEET SIZE = A1

DRAWN: V CHON
DESIGNED: S FORD
JOB MANAGER: B. LAWRENCE
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR CLIENT REVIEW	AF		SF	25.01.23
02	ISSUED FOR TENDER	UM		SF	10.02.23

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ARCHITECT	CLIENT
	
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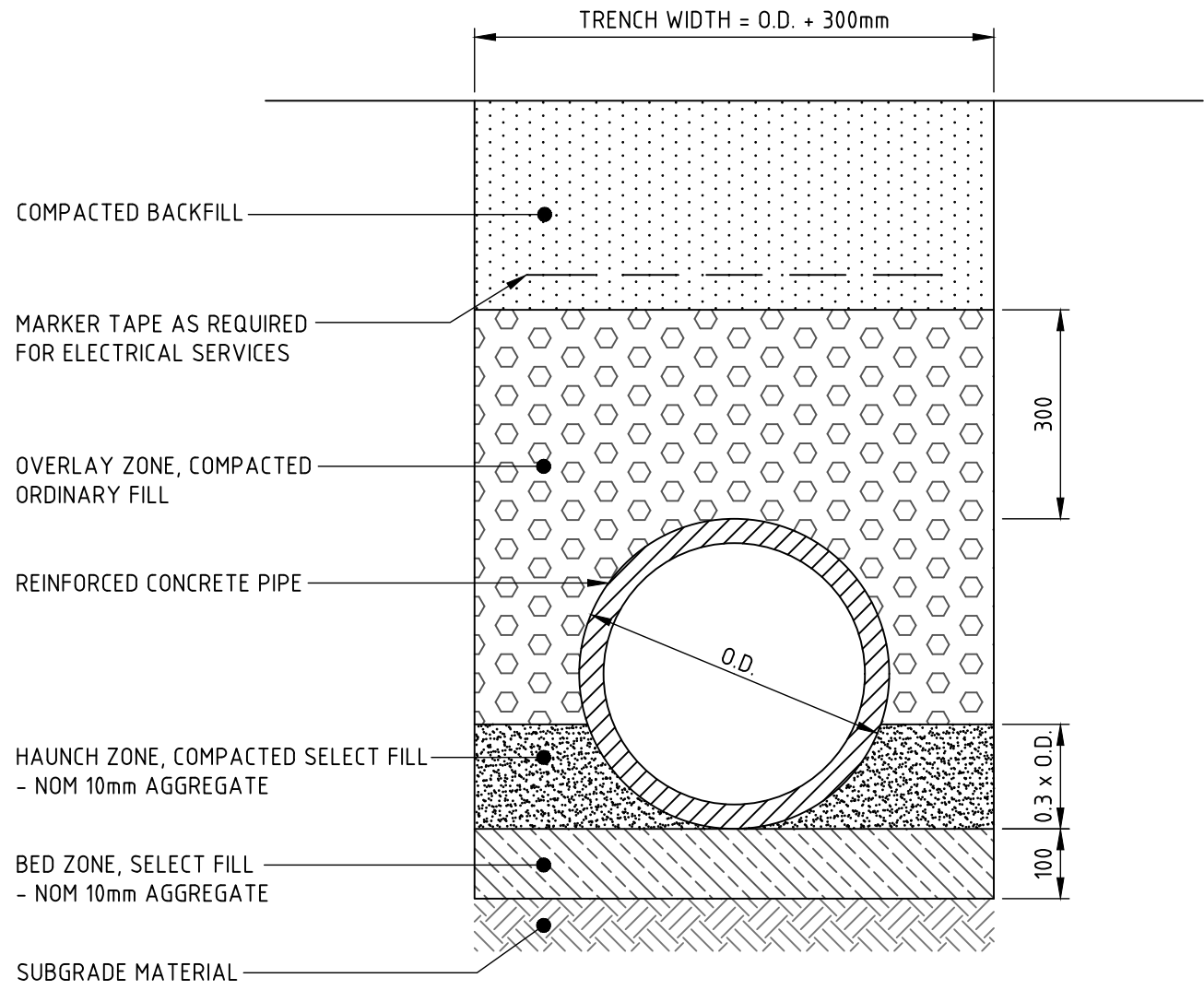
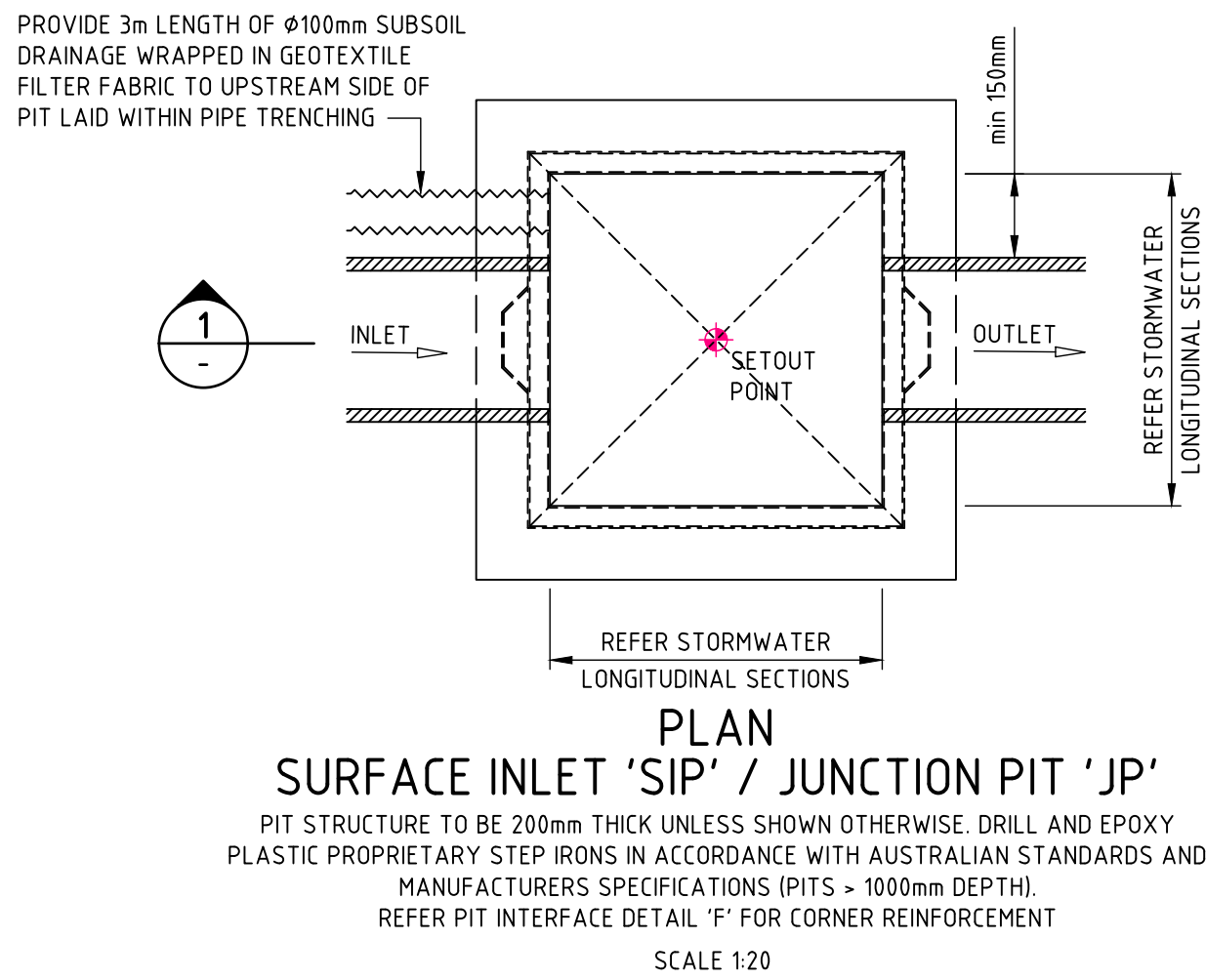
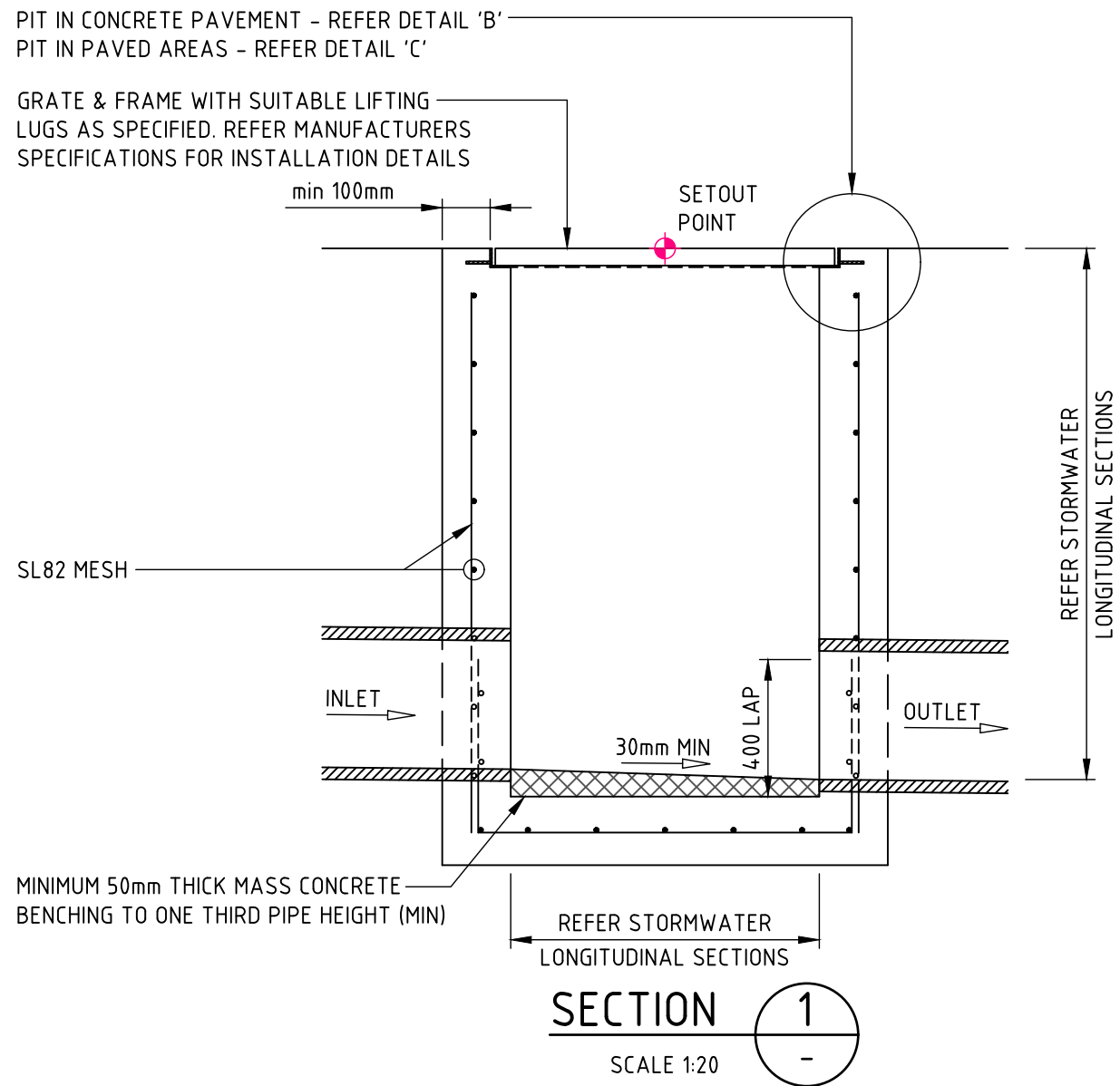
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT
HENSON PARK UPGRADES
CENTENNIAL STREET, MARRICKVILLE, NSW, 2204

DRAWING TITLE
CIVIL ENGINEERING PACKAGE CONSTRUCTION CERTIFICATE
DETAILS - SHEET 02

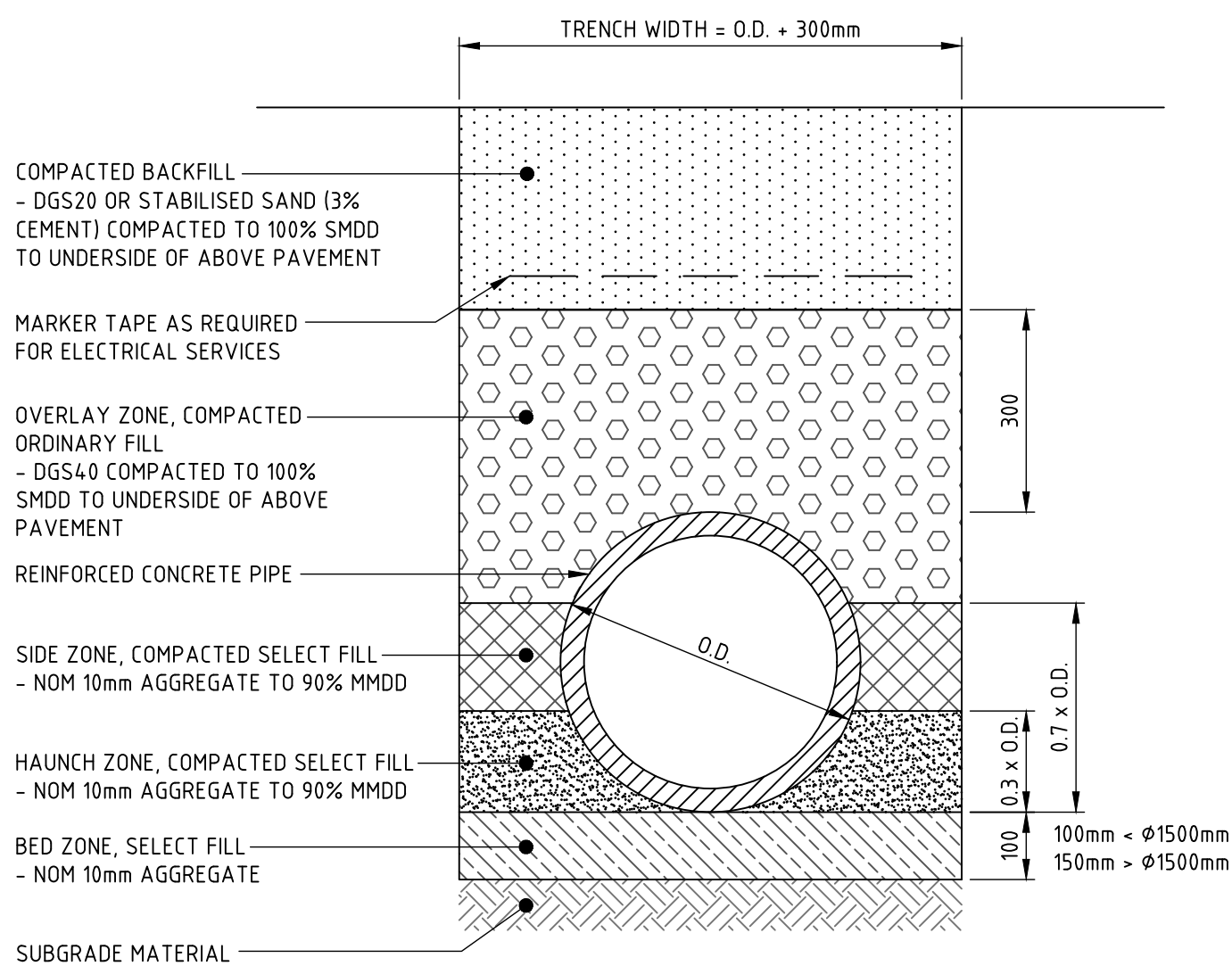
JOB NUMBER	
220322	
DRAWING NUMBER	REVISION
C6102	02
DRAWING SHEET SIZE = A1	

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TYPICAL PIPE TRENCH - GENERAL AREAS

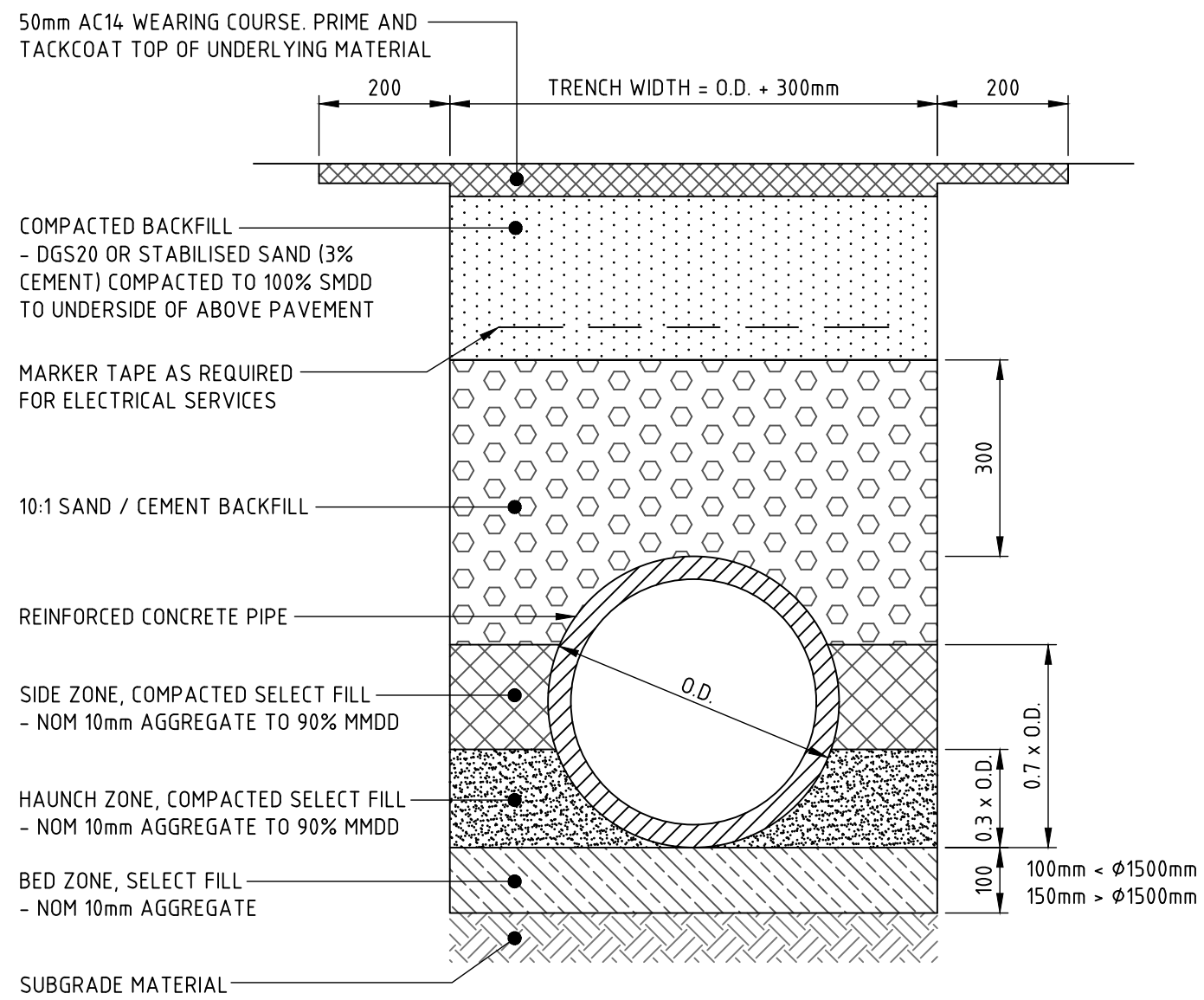
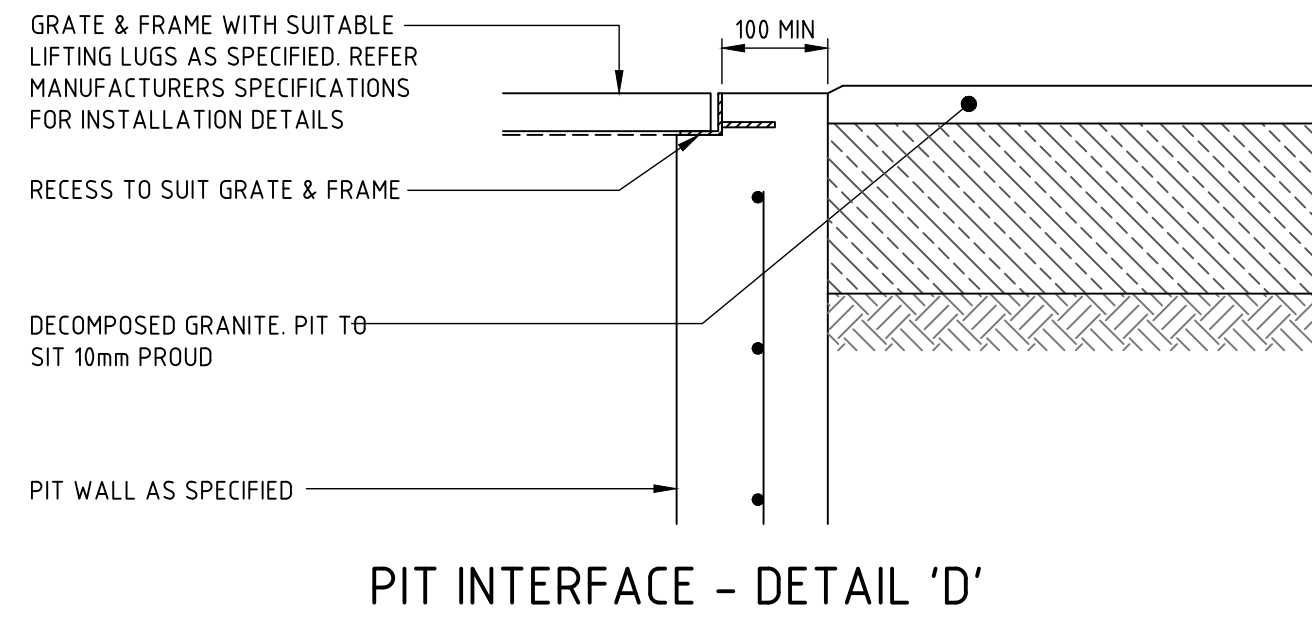
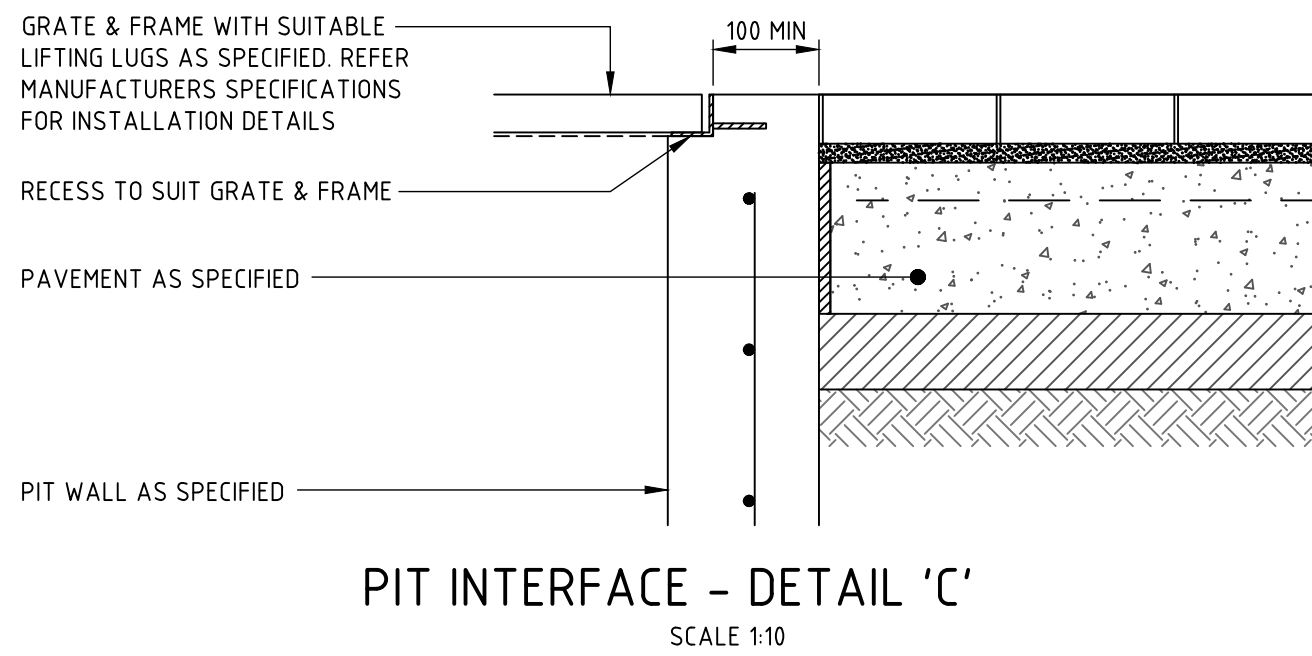
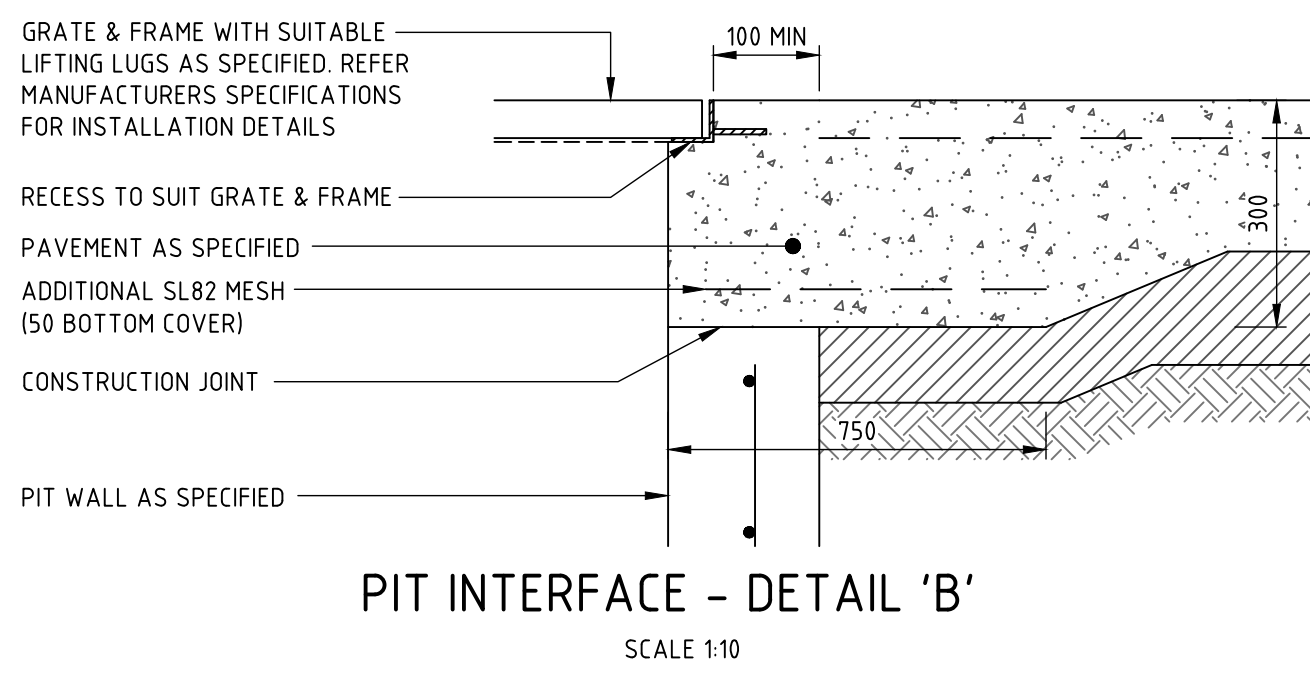
- TRENCH WIDTH MAY NEED TO BE INCREASED SUBJECT TO ACHIEVING COMPACTION. ENSURE MINIMUM 300mm CLEARANCE BETWEEN, WHEN USING MULTIPLE PIPES TO ACHIEVE ADEQUATE COMPACTION.
- MINIMUM PIPE COVER NOT UNDER ROADS TO BE 300mm U.N.O.
- THE CONTRACTOR SHALL ENSURE THAT SHORING OF TRENCHES IS INSTALLED AS REQUIRED BY STATUTORY REQUIREMENTS.
- ENSURE BACKFILLING COMPACTION MEETS THE FOLLOWING STANDARDS;
 - TRENCHES UNDER PAVED AREAS / BUILDING - 100% SMDD
 - TRENCHES NOT UNDER PAVEMENTS - 95% SMDD



TYPICAL PIPE TRENCH - UNDER ROADS

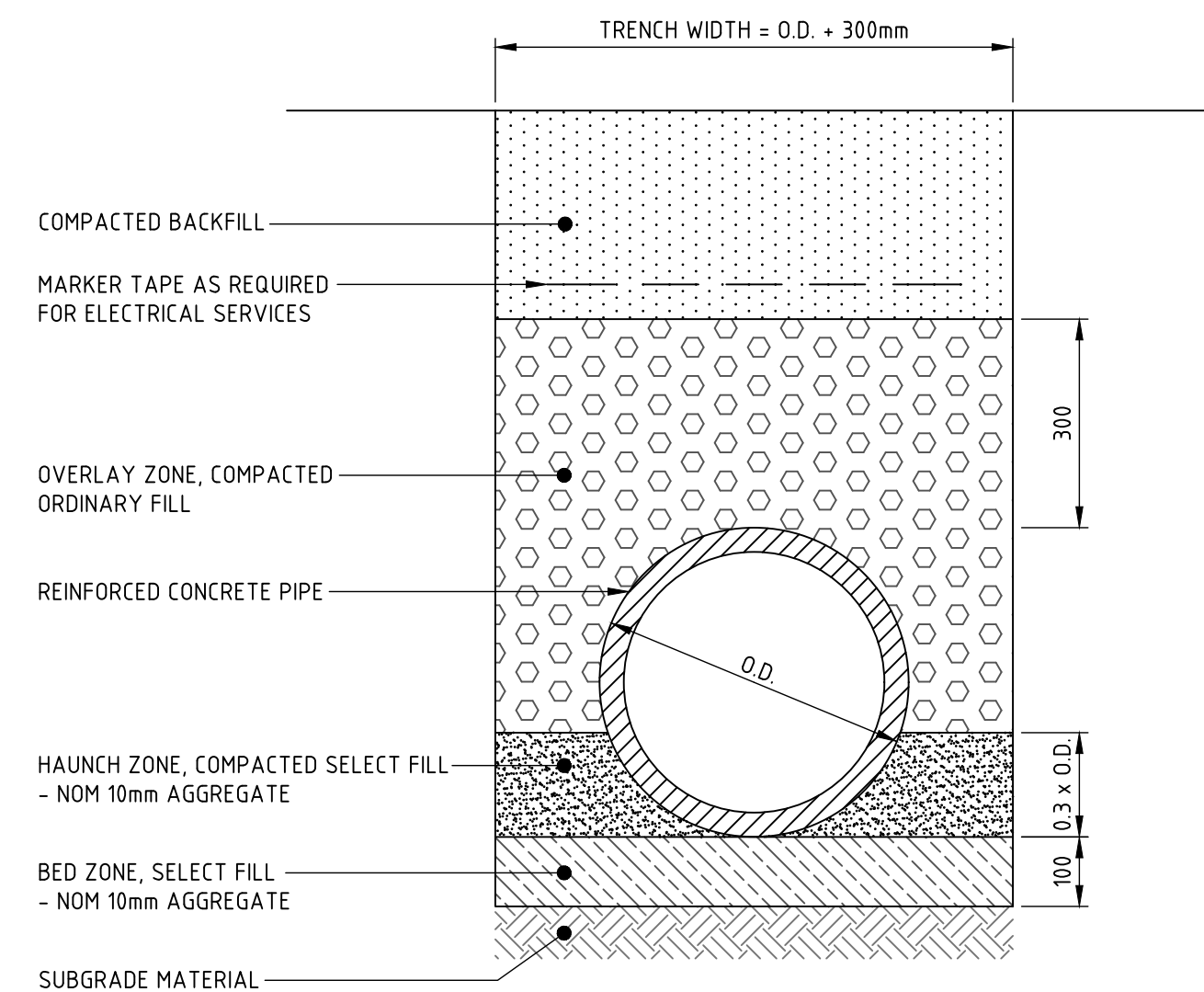
- TRENCH WIDTH MAY NEED TO BE INCREASED SUBJECT TO ACHIEVING COMPACTION. ENSURE MINIMUM 300mm CLEARANCE BETWEEN, WHEN USING MULTIPLE PIPES TO ACHIEVE ADEQUATE COMPACTION.
- MINIMUM PIPE COVER UNDER ROADS TO BE 600mm U.N.O. FOR CLASS '2' PIPES.
- THE CONTRACTOR SHALL ENSURE THAT SHORING OF TRENCHES IS INSTALLED AS REQUIRED BY STATUTORY REQUIREMENTS.
- ENSURE BACKFILLING COMPACTION MEETS THE FOLLOWING STANDARDS;
 - TRENCHES UNDER PAVED AREAS / BUILDING - 100% SMDD

SCALE 1:10



TYPICAL PIPE TRENCH REINSTATEMENT - UNDER ROADS

- TRENCH WIDTH MAY NEED TO BE INCREASED SUBJECT TO ACHIEVING COMPACTION. ENSURE MINIMUM 300mm CLEARANCE BETWEEN, WHEN USING MULTIPLE PIPES TO ACHIEVE ADEQUATE COMPACTION.
- MINIMUM PIPE COVER UNDER ROADS TO BE 600mm U.N.O. FOR CLASS '2' PIPES.
- THE CONTRACTOR SHALL ENSURE THAT SHORING OF TRENCHES IS INSTALLED AS REQUIRED BY STATUTORY REQUIREMENTS.
- ENSURE BACKFILLING COMPACTION MEETS THE FOLLOWING STANDARDS;
 - TRENCHES UNDER PAVED AREAS / BUILDING - 100% SMDD



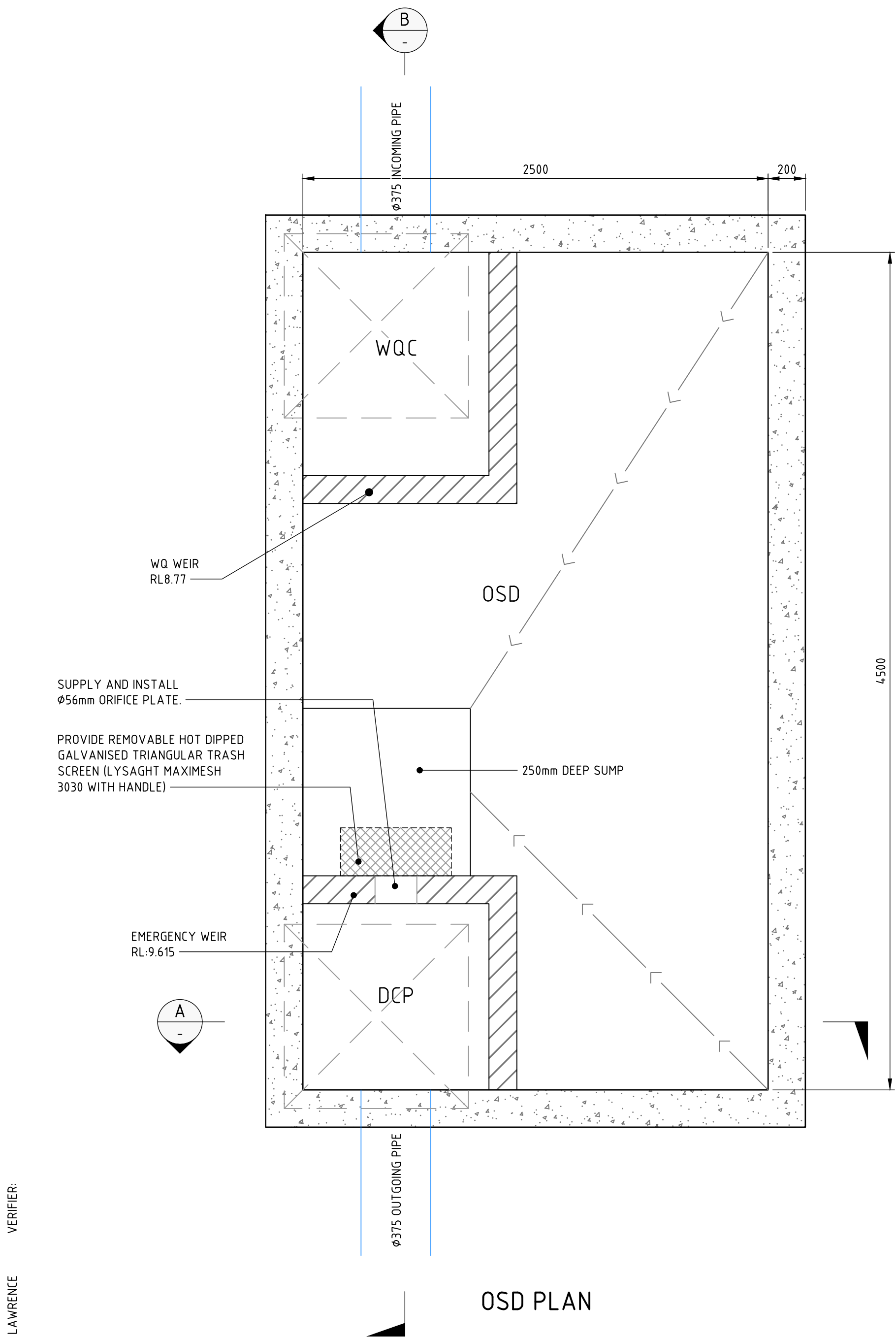
TYPICAL PIPE TRENCH - GENERAL AREAS

- TRENCH WIDTH MAY NEED TO BE INCREASED SUBJECT TO ACHIEVING COMPACTION. ENSURE MINIMUM 300mm CLEARANCE BETWEEN, WHEN USING MULTIPLE PIPES TO ACHIEVE ADEQUATE COMPACTION.
- MINIMUM PIPE COVER NOT UNDER ROADS TO BE 300mm U.N.O.
- THE CONTRACTOR SHALL ENSURE THAT SHORING OF TRENCHES IS INSTALLED AS REQUIRED BY STATUTORY REQUIREMENTS.
- ENSURE BACKFILLING COMPACTION MEETS THE FOLLOWING STANDARDS;
 - TRENCHES UNDER PAVED AREAS / BUILDING - 100% SMDD
 - TRENCHES NOT UNDER PAVEMENTS - 95% SMDD

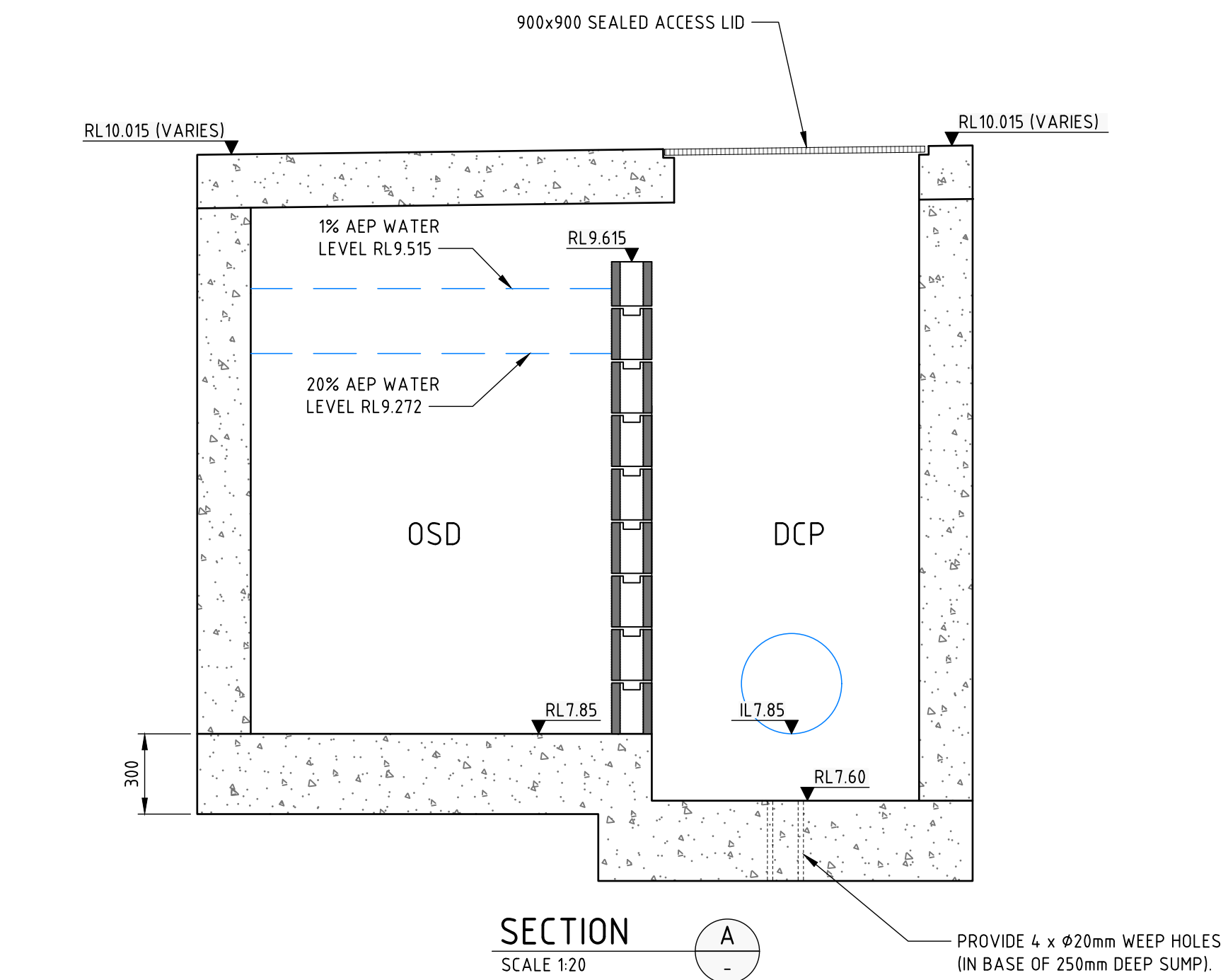
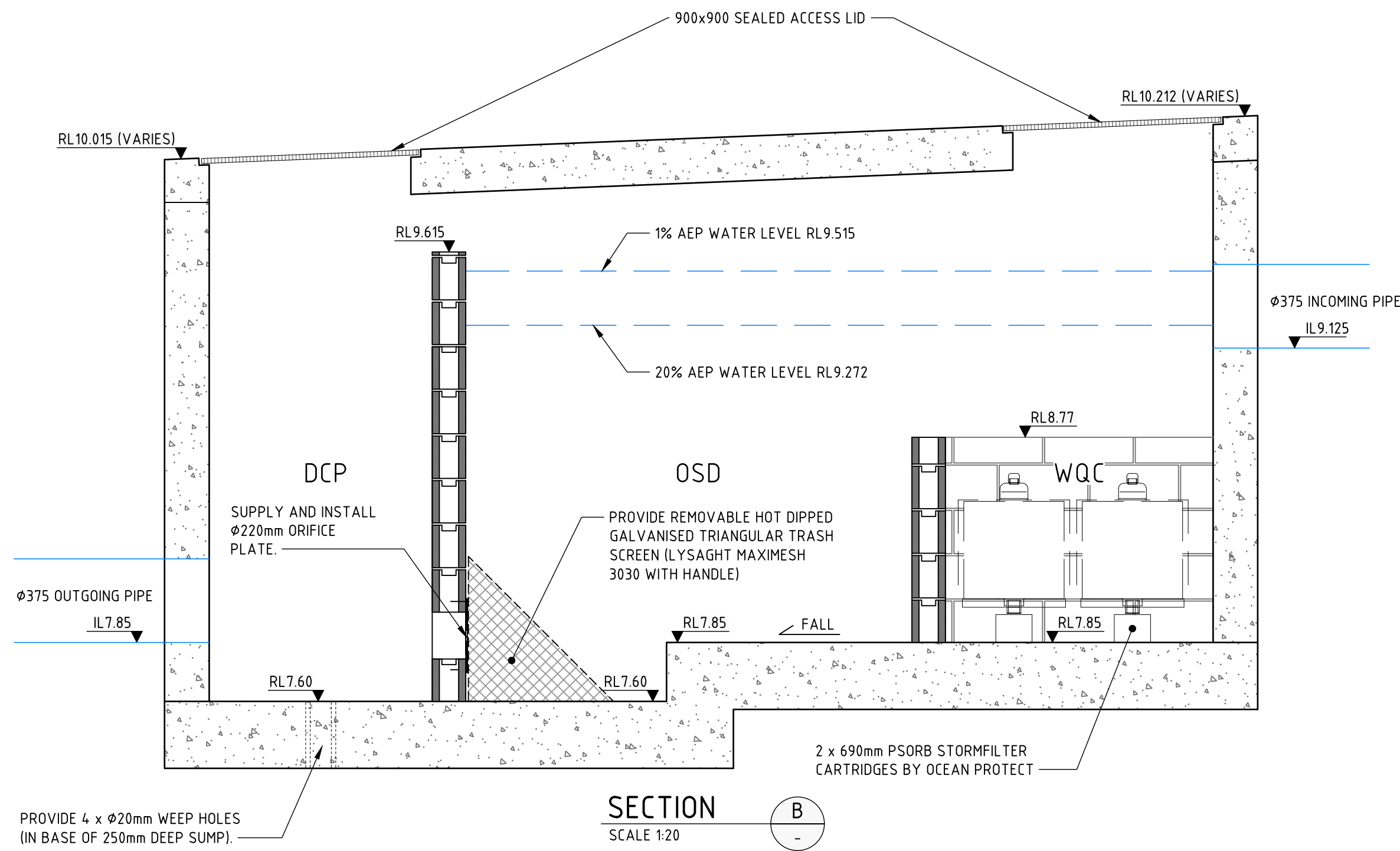


REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT		PROJECT	DRAWING TITLE	JOB NUMBER		
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02	ISSUED FOR TENDER	UM		SF	10.02.23							DRAWING NUMBER	REVISION
												C6103	02
												DRAWING SHEET SIZE = A1	
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							SCALE VARIES						

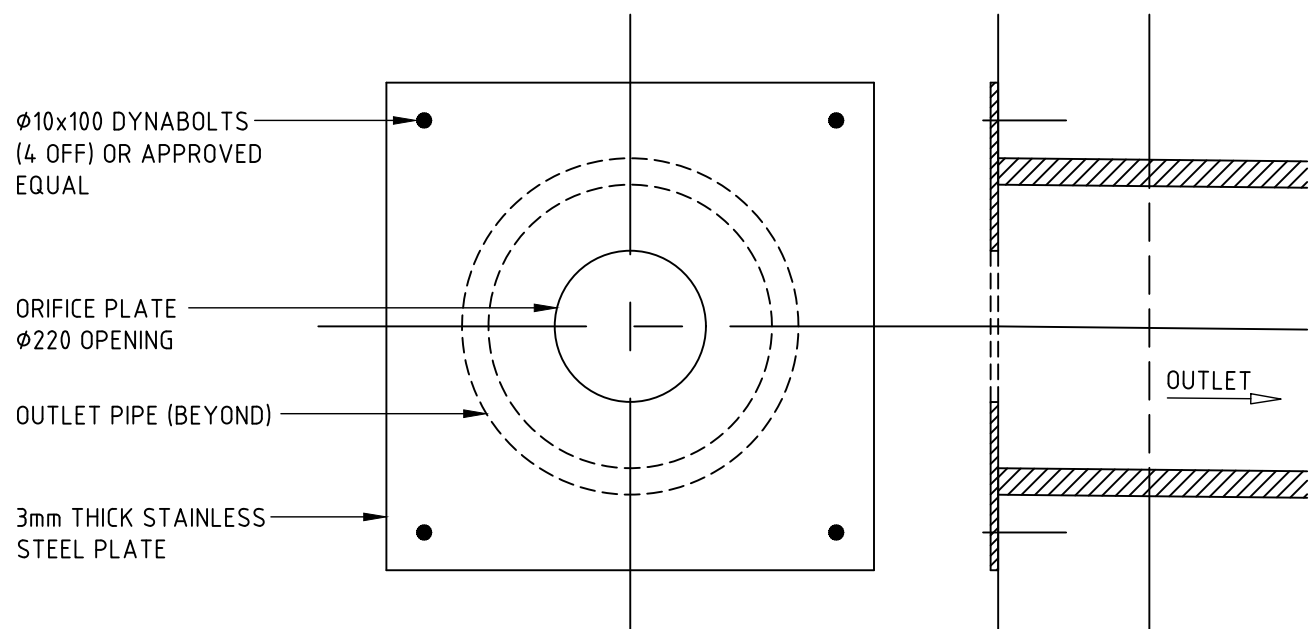
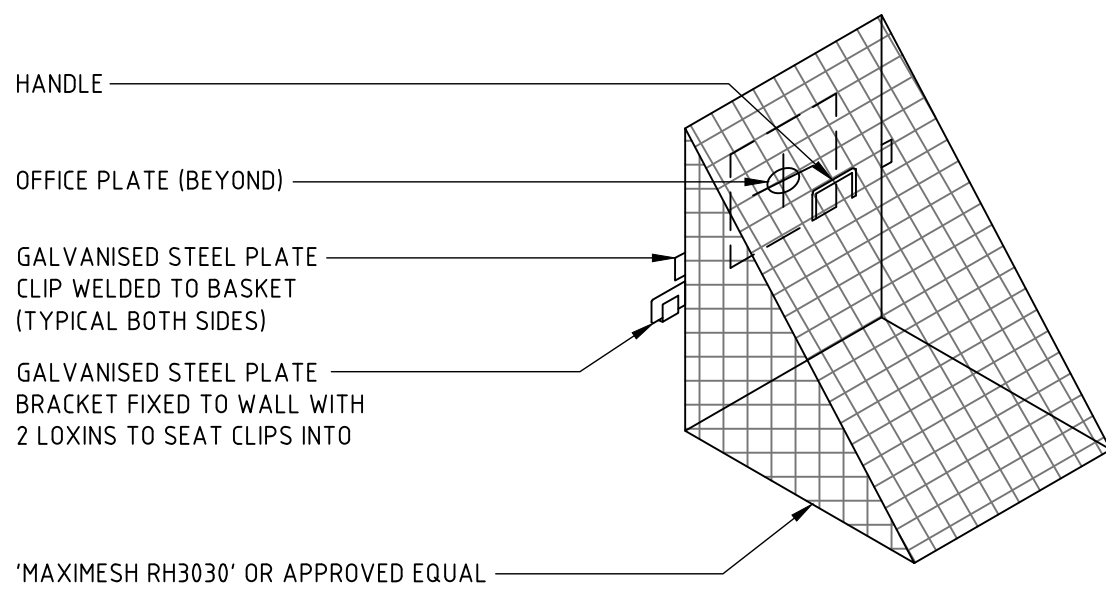
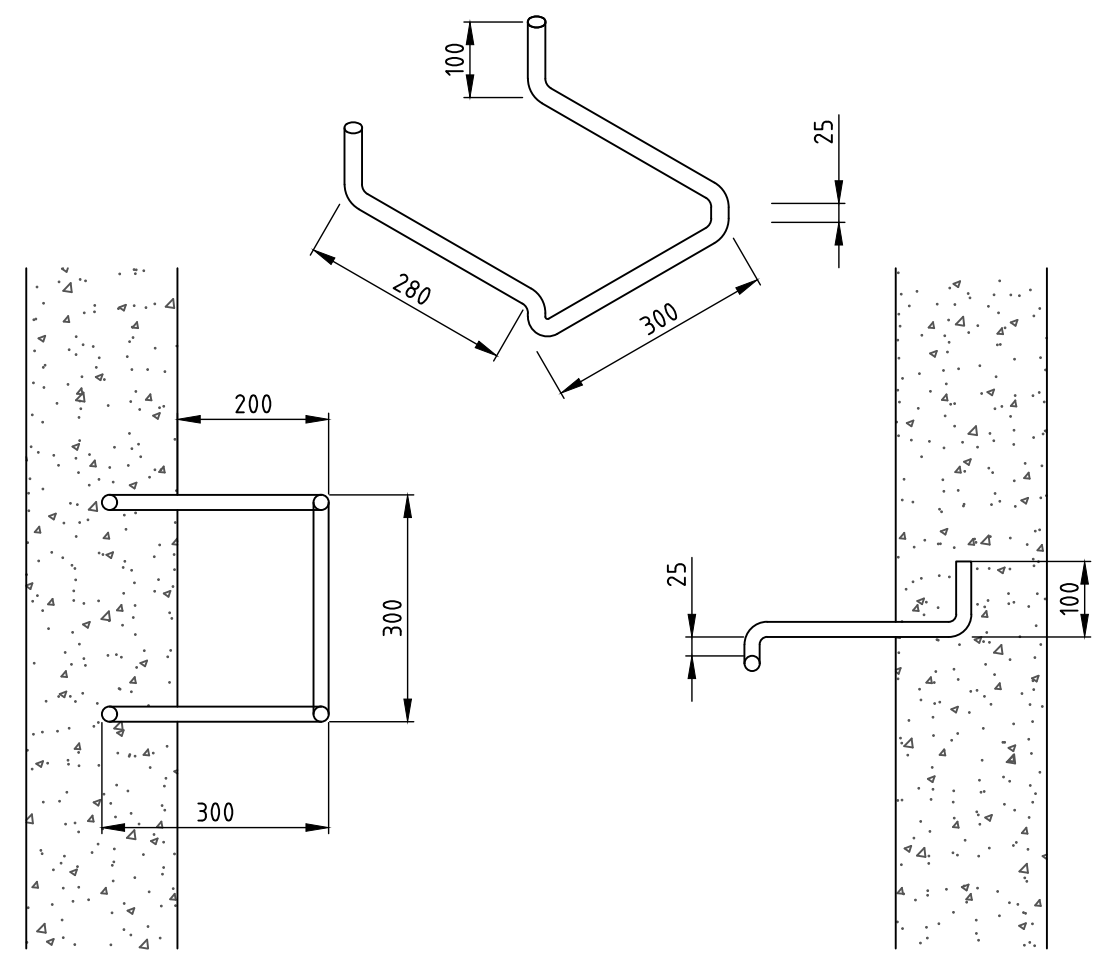
DRAWN: V CHON
DESIGNED: S FORD
JOB MANAGER: B LAWRENCE
VERIFIER:



OSD PLAN



NOTE
REFER PROJECT STRUCTURAL ENGINEER
FOR STRUCTURAL DETAILS OF OSD TANK.



NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR CLIENT REVIEW	AF		SF	25.01.23
02	ISSUED FOR TENDER	UM		SF	10.02.23

CLIENT

AFL NSW/ACT

JETS

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ARCHITECT

crawford architects

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SCALE VARIES

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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

HENSON PARK UPGRADES

CENTENNIAL STREET, MARRICKVILLE, NSW, 2204

DRAWING TITLE

CIVIL ENGINEERING PACKAGE CONSTRUCTION CERTIFICATE

DETAILS - SHEET 04

JOB NUMBER

220322

DRAWING NUMBER

C6104

REVISION

02

DRAWING SHEET SIZE = A1