

CONCORD HIGH SCHOOL

5 STANLEY STREET, CONCORD NSW 2137

GENERAL NOTES

- G1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND AS1100 TECHNICAL DRAWING.
- G2 ANY DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- G3 DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
- G4 ANY SET OUT DIMENSIONS SHOWN ON THE DRAWING SHALL BE VERIFIED BY THE BUILDER.
- G5 DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN THE WORKS IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
- G6 ALL WORK SHALL COMPLY WITH THE BUILDING CODE OF AUSTRALIA, CONDITIONS OF THE DEVELOPMENT CONSENT AND RELEVANT AUSTRALIAN STANDARD CODES.

DRAINAGE NOTES

- D1 ALL WORKS SHALL BE IN ACCORDANCE WITH AS3500.3
- D2 FOR PIPE DIAMETERS NOT EXCEEDING 225mm, USE:
- SEWER GRADE UPVC TO AS1260 OR
- AS PER NOTE D3 BELOW.
- D3 FOR PIPE DIAMETERS EXCEEDING 225mm, USE:
- CLASS 2 REINFORCED CONCRETE PIPE TO AS/NZS 4058 OR
- CLASS 2 FIBRE REINFORCED CONCRETE PIPE TO AS 4139 OR
- STORMPRO CORRUGATED POLYPROPYLENE PIPE TO AS/NZS 5065 OR APPROVED EQUIVALENT.
- D4 FOR PIPE DEPTHS EXCEEDING 2.5m:
PIPE CLASS TO BE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. ALL CLASS CHANGES TO BE APPROVED BY DESIGNER.
- D5 PVC PIPES SHALL BE SOLVENT WELDED. ALL OTHER PIPES SHALL BE RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
- D6 UNLESS SPECIFIED OTHERWISE, BED & BACKFILL SHALL BE COMPACTED SAND TO 100mm ABOVE THE PIPE. REMAINDER OF BACKFILL SHALL BE COMPACTED EXCAVATED MATERIAL. WHEN UNDER VEHICULAR PAVEMENT, REMAINDER OF BACKFILL SHALL BE COMPACTED BASECOURSE.
- D7 LOADS ON PIPES DURING CONSTRUCTION SHALL NOT EXCEED THE REQUIREMENT OF AS3725, OR THE RECOMMENDATIONS OF THE PIPE MANUFACTURER.
- D8 TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH AS3500, BUT NOMINALLY THE GREATER OF 1.5 PIPE DIAMETER OR PIPE DIAMETER PLUS 300.
- D9 HAND EXCAVATION ONLY WHERE STORMWATER IS LOCATED WITHIN TREE ROOT ZONES. ANY ALTERNATE METHODS OF EXCAVATION ARE TO BE APPROVED BY A CERTIFIED ARBORIST PRIOR TO UNDER WORKS.

WORKS AS EXECUTED (WAE) DOCUMENTATION

- W1 A WORKS-AS-EXECUTED (WAE) SURVEY IS TO BE PREPARED BY A REGISTERED SURVEYOR AND SUBMITTED FOR APPROVAL AT THE COMPLETION OF CIVIL WORKS. THE WAE SURVEY IS TO INCLUDE ALL STORMWATER INFRASTRUCTURE INFORMATION (PIPES SIZES, INVERT LEVELS, COVER/GRADE LEVELS, ETC) AND SURFACE RL'S AT ALL LOCATIONS WHERE DESIGN LEVELS HAVE BEEN NOMINATED. THIS TO BE PROVIDED IN PDF AND DWG FORMAT.
- W2 ALL UNDERGROUND DRAINAGE SYSTEMS WITHIN THE SITE AREA ARE TO BE CCTV INSPECTED AFTER INSTALLATION AND SUBMITTED AS PART OF WORKS-AS-EXECUTED PACKAGE.

COMPACTION AND FILL NOTES

- CD1 FILLING COMPACTED TO 98% STANDARD (AS 1289 TEST 5.1.1)
- CD2 COHESIVE SUBGRADE COMPACTED TO 98% STANDARD (AS 1289 TEST 5.1.1)
COHESIONLESS SUBGRADE COMPACTED TO 80% (AS 1289 TEST 5.6.1)
- CD3 SUB BASECOURSE MATERIAL SHALL BE DGS40 MATERIAL COMPACTED TO 95% MODIFIED (AS 1289 TEST 5.2.1)
- CD4 BASECOURSE MATERIAL SHALL BE DGB20 MATERIAL COMPACTED TO 98% MODIFIED (AS 1289 TEST 5.2.1)

EXISTING SERVICES NOTES

- ES1 ALL SERVICES SHOWN ON THE DRAWINGS HAVE BEEN COMPILED FROM INFORMATION SUPPLIED. NO GUARANTEE OF THEIR COMPLETENESS OR ACCURACY OF LOCATION CAN BE GIVEN.
- ES2 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESEARCH AND LOCATE EXISTING SERVICES PRIOR TO ANY EXCAVATION WORKS.
- ES3 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CO-ORDINATE ALL EXISTING SERVICES ADJUSTMENTS WITH THE RELATIVE AUTHORITIES, IN ORDER TO SUIT THE PROPOSED WORKS. RELOCATION, LOWERING OR RAISING OF SERVICES ASSETS MAY BE REQUIRED.

CONCRETE NOTES

- C1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- C2 CONCRETE QUALITY - AS NOTED BELOW.
PROJECT ASSESSMENT OF STRENGTH GRADE SHALL BE USED.

CONCRETE QUALITY				
ELEMENT	Strength Grade	Slump mm	Max. Agg. mm	Cement Type
ALL CONCRETE	N32	80	20	GP

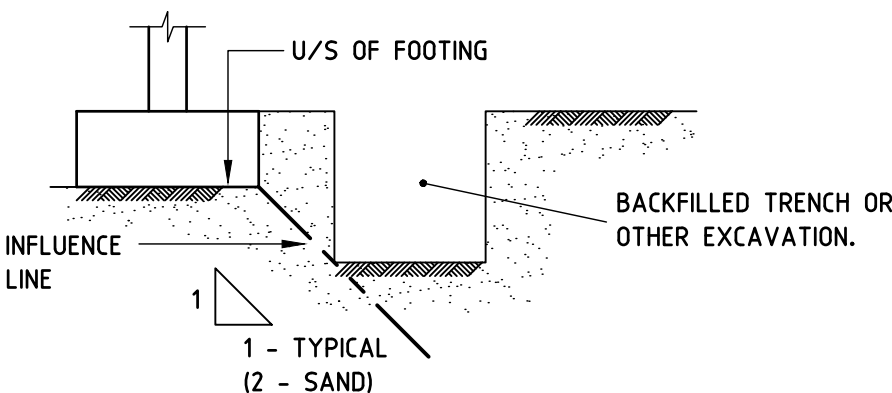
- C3 CLEAR COVER OF REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS. REINFORCEMENT SHALL BE RIGIDLY SUPPORTED TO MAINTAIN SPECIFIED COVER DURING CONSTRUCTION.
- C4 SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISH.
- C5 CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE SUPERINTENDENT.
- C6 CONDUITS, PIPES ETC., SHALL ONLY BE LOCATED IN THE MIDDLE ONE THIRD OF SLAB DEPTH. (UNLESS NOTED OTHERWISE.)
- C7 REINFORCEMENT SYMBOLS:
R - GRADE 250 PLAIN BAR IN ACCORDANCE WITH AS1302
N - GRADE 500 DEFORMED BAR DUCTILITY CLASS N (D500N) IN ACCORDANCE WITH AS/NZS4671 WITH A CARBON EQUIVALENT (CE) LIMIT OF 0.39 MAX.
SL - GRADE 500 SQUARE WELDED FABRIC, DEFORMED BARS DUCTILITY CLASS L (D500L) IN ACCORDANCE WITH AS/NZS4671.
- C8 REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY; IT IS NOT NECESSARILY SHOWN IN TRUE PROJECTION.
- C9 WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
- C10 FABRIC SHALL BE LAPPED 400 mm.
- C11 CURE CONCRETE IN ACCORDANCE WITH AS3600. METHOD OF CURING SHALL BE SUBMITTED TO THE SUPERINTENDENT FOR APPROVAL.

PAVEMENT NOTES

- P1 SUB BASECOURSE MATERIAL SHALL BE DGS 40 MATERIAL COMPLYING WITH R.M.S. FORM QA3051.
- P2 BASECOURSE MATERIAL SHALL BE DGB 20 MATERIAL COMPLYING WITH R.M.S. FORM QA3051.
- P3 ASPHALTIC CONCRETE SURFACING SHALL BE SUPPLIED AND LAID IN ACCORDANCE WITH R.M.S. SPECIFICATION R116, R117 & AS 2150 ASPHALTIC PAVING - GUIDE TO GOOD PRACTICE.

FOUNDATION NOTES

- F1 UNLESS NOTED FOOTINGS SHALL BEAR UPON UNDISTURBED NATURAL GROUND WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 200 kPa
- F2 FOUNDATION MATERIAL SHALL BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER FOR THE NOMINATED ALLOWABLE BEARING CAPACITY PRIOR TO COMMENCING FOOTING CONSTRUCTION.
- F3 FOOTINGS SHALL BE LOCATED CENTRAL UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE.
- F4 UNLESS OTHERWISE APPROVED, EXCAVATIONS NEAR NEW OR EXISTING FOOTINGS SHALL NOT BE WITHIN THE FOOTING INFLUENCE LINE.



MASONRY NOTES

- M1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3700 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY CONTRACT DOCUMENTS.
- M2 MASONRY UNITS
MINIMUM CHARACTERISTIC UNCONFINED COMPRESSIVE STRENGTH (f_{uc}) = 15 MPa.
- M3 MORTAR
MINIMUM MORTAR CLASSIFICATION M3
- M4 UNLESS NOTED OTHERWISE MASONRY WALLS BUILT AGAINST STEEL OR CONCRETE COLUMNS, WALLS OR BEAMS SHALL BE FIXED TO THOSE ELEMENTS USING 50 mm WIDE x 1.5 mm THICK WITH 50 mm UPTURN GALVANISED STEEL BONDING TIES AT 600 mm MAXIMUM CENTRES, POWER FIXED WITH 3.8 DIA. DRIVE PINS. EMBED EACH TIE A MINIMUM OF 400 mm INTO COURSING OF HOLLOW BLOCKWORK, 300 INTO SOLID BLOCK WORK AND BRICKWORK.
- M5 CAVITY AND VENEER TIES TO BE TYPE A, MEDIUM DUTY, SPACED AT 600mm MAX. CTS. (VERTICAL AND HORIZONTAL).
AT EACH SIDE OF COLUMNS AND CONTROL JOINTS, CROSS WALLS, AND AROUND THE PERIMETER OF OPENINGS, PROVIDE TIES AT 300mm MAX. CTS.
- M6 CAVITIES IN MASONRY WALLS SHALL BE FILLED WITH MORTAR TO FINISH GROUND LEVEL PRIOR TO BACKFILLING AGAINST WALL. BACKFILLING AND COMPACTION OF FILL MATERIAL AGAINST BRICK WALLS SHALL BE CARRIED OUT SIMULTANEOUSLY ON EACH SIDE OF THE WALL.
- M7 REINFORCED CONCRETE BLOCK WALLS SHALL COMPLY WITH THE FOLLOWING:
- ALL BLOCKS SHALL BE DOUBLE "U" BLOCKS WITH SHALLOW TOP GROOVES FOR REINFORCEMENT.
 - ALL MORTAR DAGS SHALL BE REMOVED BEFORE FILLING CORES WITH GROUT. PROVIDE CLEAN OUT HOLES AT THE BASE OF ALL WALLS AND EACH POUR BREAK.
 - FILL ALL CORES WITH GROUT OF f'c 20 MPa SLUMP 230, 10 mm AGGREGATE SIZE. MINIMUM CEMENT CONTENT = 300kg/m.
 - ALL PERPENDS, EXCEPT WHERE REQUIRED FOR WEEPHOLES SHALL BE FULLY FILLED WITH MORTAR.

5. CORE GROUT IS TO BE COMPACTED TO ENSURE COMPLETE FILLING OF ALL CORES.
6. PROVIDE TEMPORARY PROPPING TO WALLS WHERE REQUIRED FOR STABILITY DURING CONSTRUCTION.
7. STARTER BARS SHALL BE ACCURATELY POSITIONED BY TEMPLATES OR SIMILAR MEANS.
8. STARTER BARS SHALL BE TIED TO VERTICAL WALL BARS THROUGH INSPECTION OPENINGS AT THE BASE OF THE WALL AND ALSO ACCURATELY FIXED IN POSITION AT THE TOP BY AN APPROPRIATE METHOD.
9. REINFORCEMENT SHALL BE ACCURATELY PLACED AND FIRMLY HELD IN POSITION TO A TOLERANCE OF +10 mm.

ASPHALTIC CONCRETE PAVEMENT NOTES

- AC1 SUB BASECOURSE MATERIAL SHALL BE DGS 40 MATERIAL COMPLYING WITH R.M.S. FORM QA3051.
- AC2 BASECOURSE MATERIAL SHALL BE DGB 20 MATERIAL COMPLYING WITH R.M.S. FORM QA3051.
- AC3 ASPHALTIC CONCRETE SURFACING SHALL BE SUPPLIED AND LAID IN ACCORDANCE WITH R.M.S. SPECIFICATION R116 & AS 2150 ASPHALTIC PAVING - GUIDE TO GOOD PRACTICE.

EROSION CONTROL NOTES

- E1 INSTALL SILT FENCES ON LOW SIDE OF SITE AND AS REQUIRED BY LOCAL COUNCIL PRIOR TO COMMENCEMENT OF TOPSOIL STRIPPING.
- E2 INSTALL DRAINAGE SYSTEM AND SILT FENCES AROUND PITS AS SOON AS PRACTICABLE.
- E3 REINSTATE GRASS COVER AS SOON AS PRACTICABLE.

DRAWING LIST

- | | |
|------|---|
| C001 | KEY PLAN, STANDARD NOTES AND DRAWING LIST |
| C002 | CIVIL WORK DETAILS- SHEET 1 |
| C003 | CIVIL WORK DETAILS- SHEET 2 |
| C101 | CIVIL WORKS PLAN- SHEET 1 |
| C102 | CIVIL WORKS PLAN- SHEET 2 |
| C103 | CIVIL WORKS PLAN- SHEET 3 |
| C201 | EROSION AND SEDIMENT CONTROL PLAN |
| C202 | EROSION AND SEDIMENT CONTROL DETAILS |



No.	Date	Description	Ver.	Appr.
P1	09.03.23	95% SCHEMATIC ISSUE		
P2	30.03.23	100% SCHEMATIC ISSUE		
A	05.05.23	ISSUED FOR DA	JH	JC
B	31.05.23	RE-ISSUED FOR DA	JH	JC
C	01.06.23	SITE ADDRESS UPDATED	JH	JC

NOT FOR
CONSTRUCTION

Architect
JDH ARCHITECTS
44 LITTLE OXFORD STREET
DARLINGHURST, NSW 2010

Woolacotts.
CONSULTING ENGINEERS

T +61 2 8203 1500 | www.woolacotts.com.au
Suite 6.02 Level 6, 67 Albert Ave, Chatswood NSW 2067
This drawing is copyright and must not be used, reproduced or copied wholly or in part without written permission of Woolacotts Consulting Engineers Pty Ltd

CONCORD HIGH SCHOOL
5 STANLEY STREET
CONCORD, NSW 2137

KEY PLAN, STANDARD NOTES
AND DRAWING LIST

Date MARCH 2023	Approved JC 05.05.23	Verified JH 05.05.23	Prepared AD 05.05.23
Scale @ A1			
Job number 22-108	Drawing number C001	Amendment C	