SCHOOL INFRASTRUCTURE NSW NEWCASTLE EDUCATION CAMPUS CONSTRUCTION CERTIFICATE 2



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C201-0101	CONSTRUCTION NOTES
C201-0201	KEY PLAN
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C208-0001	STORMWATER MANAGEMENT PLAN - SHEET 1
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C211-0001	EXISTING UTILITIES PLAN - SHEET 1
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C211-0004	EXISTING UTILITIES PLAN - SHEET 4



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at full size	NAME&CREDENTIALS North Scale	SCHOOL INFRASTRUCTURE NSW	Architect EJE ARCHITECTURE	ACOR Consultants Pty Ltd The Forum, Level 1 Suite 1 240-244 Pacific Highway	Project NEWCASTLE HIGH SCHOOL REDEVELOPMENT CONSTRUCTION CERTIFICATE 1 - EARLY WORKS	wing Title VIL SERVICES OVER SHEET AND DRAWING INDEX	di i Oddina
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GENERAL NOTES

- 1. THE DRAWING DIMENSIONS SHALL NOT BE OBTAINED BY SCALING.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION AND WRITTEN INSTRUCTIONS. ANY DISCREPANCY OR VARIATION SHALL BE REFERRED TO THE SUPERINTENDENT BEFORE PROCEEDING WITH THE WORK.
- ALL WORK TO BE IN ACCORDANCE WITH SCHOOLS INFRASTRUCTURE NSW EDUCATIONAL FACILITIES AND STANDARDS GUIDELINES AND TECHNICAL STANDARDS.
- 4. NO ADDITIONAL OR P.C. WORKS SHALL BE UNDERTAKEN WITHOUT THE SUPERINTENDENTS APPROVAL. CONFIRM COUNCIL INSTRUCTIONS WITH SUPERINTENDENT.
- THE CONTRACTOR MUST ENSURE SUPERINTENDENT APPROVAL OF MATERIALS. PRIOR TO DELIVERY TO SITE.
- 6. DIVERSION OF WATER AND THE PROTECTION OF WORKS IS THE CONTRACTORS RESPONSIBILITY.
- THE CONTRACTOR HAS SOLE RESPONSIBILITY TO EXERCISE CARE AND TAKE PRECAUTIONS TO ENSURE CONSTRUCTION ACTIVITIES DO NOT AFFECT ADJACENT PROPERTIES, ACCESS OR STRUCTURES. MAINTAIN EMBANKMENTS AND STRUCTURES IN STABLE CONDITION DURING CONSTRUCTION ENSURING NO PART IS OVERSTRESSED. TEMPORARY STRUCTURES, FORMWORK, TEMPORARY BRACING. SHORING AND THE LIKE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FULL QA DOCUMENTATION OF THE PROJECT TO ENSURE WORKS MEET THE RELEVANT SECTIONS OF AUSPEC FOR ROADS, DRAINAGE, WATER AND SEWER, A COMPLETE ITP PLAN SHALL BE SUBMITTED TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO WORKS COMMENCING ON SITE.
- 9. CONTRACTOR IS TO VERIFY THE LOCATION OF ALL SERVICES WITH EACH RELEVANT AUTHORITY. ANY DAMAGE TO SERVICES SHALL BE REPAIRED BY THE CONTRACTOR OR THE RELEVANT AUTHORITY AT THE CONTRACTOR'S EXPENSE. SERVICES SHOWN ON THESE PLANS ARE ONLY THOSE EVIDENT AT THE TIME OF SURVEY.
- 10. UNDERTAKE WORKS TO PRINCIPLES OF AS 9001. SUBMIT WORK METHOD STATEMENT TO SUPERINTENDENT.

HOLD POINTS SHALL APPLY TO: - APPROVAL OF WORK METHOD STATEMENT - APPROVAL OF TRAFFIC CONTROL PLAN - LOCATION OF INGROUND SERVICES - SETOUT OF EACH AREA OF WORKS - CERTIFICATION OF SUBGRADE - STORMWATER PIPEWORK PRIOR TO BACKFILL - CONDUITS PRIOR TO BACKFILL

- WORK AS EXECUTED SURVEY GEOTECHNICAL CERTIFICATION.
- 11. CONTRACTOR TO PROVIDE ALL SURVEY SETOUT. AND WAE FROM DATA. REFER SURVEY INFORMATION BY POSITIVE SURVEY SOLUTIONS REF No: 21160 DATED: 16.08.2022
- 12. ALL WORKS ARE TO BE SETOUT BY A REGISTERED SURVEYOR.
- 13. ALL LEVELS SHALL BE OBTAINED FROM ESTABLISHED BENCH MARKS ONLY, STANDARD DATUM FOR ALL DRAWINGS IS AUSTRALIAN HEIGHT DATUM (A.H.D.).
- 14. A TRAFFIC CONTROL PLAN TO AS 1742.3 IS TO BE SUBMITTED TO COUNCIL FOR APPROVAL PRIOR TO WORKS COMMENCING.
- 15. SCOUR PROTECTION, SUB SOIL DRAINAGE AND UNSUITABLE SUB-GRADE REPLACEMENT SHALL BE AT THE DIRECTION OF THE SUPERINTENDENT.
- 16. NO TREES ARE TO BE REMOVED OR LOPPED OTHER THAN THOSE SHOWN AND THOSE IN ROAD RESERVES AND AREAS WITHIN LOTS SUBJECT TO CUT & FILL, WITHOUT COUNCILS WRITTEN PERMISSION. A TREE INSPECTION WITH COUNCIL SHALL BE ARRANGED ONCE LOTS HAVE BEEN PEGGED.
- 17. ALL NEW WORKS ARE TO MAKE SMOOTH JUNCTIONS WITH ALL EXISTING CONDITIONS. AC JOINTS TO BE SAW CUT AT CONNECTION TO EXISTING PAVEMENT. THE CONTRACTOR IS TO MAKE ALL DUE ALLOWANCES FOR WORKS DURING CONSTRUCTION.
- 18. SUBSOIL DRAINAGE TO BE PROVIDED AS PER APPROVED PLANS.

EXISTING SERVICES AND FEATURES

- THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION, REMOVAL AND DISPOSAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA AS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
- THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED
- EXISTING BUILDINGS, EXTERNAL STRUCTURES, AND TREES SHOWN ON THESE DRAWINGS ARE FEATURES EXISTING PRIOR TO ANY DEMOLITION WORKS.
- CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
- INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. CONTRACTOR TO GAIN APPROVAL OF SUPERINTENDENT FOR TIME OF INTERRUPTION.

FARTHWORKS AND PAVEMENT NOTES

- ALL DISTURBED AREAS SHALL BE 100mm TOPSOILED. GRASS SEEDED. MULCHED OR TURFED AS SOON AS PRACTICABLE. AND BATTERS AND BERMS TREATED IMMEDIATELY AFTER CONSTRUCTION OF SEWERAGE AND STORMWATER. AREAS OF DISTURBANCE SHALL BE APPROVED BY THE SUPERINTENDENT. REFER EROSION AND SEDIMENT CONTROL PLAN.
- GRASS TO BE TO LANDSCAPE ARCHITECT SPECIFICATION. GRASS/TURF TO BE MAINTAINED BY CONTRACTOR AT ALL TIMES INCLUDING PERIODS OF INSUFFICIENT RAIN AND REPLACED AS REQUIRED.
- A SINGLE CONTINUOUS STRIP OF GRASS TURF SHALL BE PLACED AROUND THE PERIMETER OF ALL INLET PITS, EACH SIDE OF FOOTPAVING, FRONT OF LOT BOUNDARIES. DRAIN OUTLETS. TOP OF EXCAVATED BATTERS AND DIAGONALLY TO STEEP GRADES EXCEEDING 10% AND AS DIRECTED IMMEDIATELY AFTER THE COMPLETION OF FOOTPATH GRADING AND CONSTRUCTION OF PITS RESPECTIVELY. TURFING/LANDSCAPE GRASS SHALL ALSO BE PLACED TO THE FULL WIDTH OF SWALE DRAINS UPON COMPLETION.
- REMOVE TOPSOIL. FILLS. SLOPEWASH & DELETERIOUS MATERIAL. GEOTECHNICAL ENGINEER TO CONFIRM SPOIL & UNSUITABLE.
- EXCAVATED MATERIAL SHALL BE SELECTED TO PLACE BETTER QUALITY AT FILL SUBGRADES. REPLACEMENT OF CUT SUB-GRADES MAY BE INSTRUCTED BY THE SUPERINTENDENT AS EARTHWORKS OPERATION.
- THE CONTROL TESTING OF EARTHWORKS SHALL BE IN ACCORDANCE WITH THE GUIDELINES IN AS 3798. WHERE IT IS PROPOSED TO USE TEST METHOD AS 1289 EB.1 OR AS 1289 EB.2 TO DETERMINE THE FIELD DENSITY, A SAND REPLACEMENT METHOD SHALL BE USED TO CONFIRM THE RESULTS AS DIRECTED.
- EARTHWORKS, PREPARATIONS, SUB-GRADE CBR AND PAVEMENT THICKNESSES TO BE CONFIRMED BY GEOTECHNICAL ENGINEER. SUBMIT GEOTECHNICAL ENGINEER'S CERTIFICATE OF WORKS ON COMPLETION.

REFER GEOTECHNICAL REPORTS BY:

MARTENS CONSULTING ENGINEERS REF No: P2007929 JR05V01 DATED: FEB 2021

DOUGLAS PARTNERS REF No: 213618.01 DATED: SEP 2022

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- WHERE THE SLOPE OF THE NATURAL SURFACE EXCEEDS ONE IN FOUR (1V:4H) BENCHES ARE TO BE CUT TO PREVENT SLIPPING OF THE PLACED FILL MATERIAL AS REQUIRED BY THE GEOTECHNICAL ENGINEER TO STANDARD PRACTICE.
- ALL BATTERS ARE TO BE SCARIFIED TO ASSIST WITH ADHESION OF TOP SOIL TO BATTER FACE.
- REMOVE EXCESS SPOIL AND DEMOLISHED MATERIAL FROM SITE TO LOCATION AND DETAIL DETERMINED BY THE CONTRACTOR, AT CONTRACTORS COST

EARTHWORKS AND PAVEMENT NOTES

- SUB-GRADE DEFLECTION SHALL BE CONFIRMED BY GEOTECHNICAL ENGINEER BY PROOF ROLL WITH A 10 TONNE OR HEAVIER DEAD WEIGHT ROLLER. SUB-GRADE REPLACEMENT MAY BE INSTRUCTED. RIP ROCK SUB-GRADE TO 300mm.
- PAVEMENT MATERIAL REQUIREMENTS: BASE COURSE - DGB20 IN ACCORDANCE WITH NCC INFRASTRUCTURE SUB-BASE - DGS40 IN ACCORDANCE WITH NCC INFRASTRUCTURE SPECIFICATION.
- CBR REQUIREMENTS:

THE ADOPTED DESIGN 5% CBR VALUE FOR NATURAL SUBGRADE. THE PAVEMENT COMPOSITION FOR THE 5% CBR SUBGRADE SHOULD BE ADOPTED AS DEFAULT WITH SOME DESIGNS FOR CONTROLLED FILL AND ROCK SUBGRADE TO BE CONFIRMED ON SITE BY THE GEOTECHNICAL ENGINEER. SELECT SUBGRADE/SUBBASE REPLACEMENT MIN CBR 30% GEOTECHNICAL ENGINEER TO CONFIRM AT BOX OUT

COMPACTION REQUIREMENTS: BASE COURSE MIN 98% MODIFIED (AS 1289 - 5.2.1). SUB-BASE MIN 95% MODIFIED (AS 1289 - 5.2.1).

STORMWATER NOTES

- PVC-U PIPEWORK INSTALLATION TO AS 2566 AND MANUFACTURER'S STANDARDS AND SPECIFICATIONS
- PVC-U PIPE BEDDING SHALL BE IN ACCORDANCE WITH AS 2566 AND MANUFACTURER'S STANDARDS AND SPECIFICATIONS.
- MINIMUM GRADE TO STORMWATER LINES TO BE 1% (U.N.O.).
- CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.
- ALL PIPE JUNCTIONS UP TO AND INCLUDING 450 DIA. AND TAPERS SHALL BE VIA PURPOSE MADE FITTINGS.
- ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH.
- WHERE SUBSOIL DRAINAGE LINES PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED PVC-U SEWER GRADE PIPE SHALL BE USED.
- PROVIDE 3.0m LENGTH OF 100 DIA. SUBSOIL DRAINAGE PIPE WRAPPED IN FILTER SOCK, AT UPSTREAM END OF EACH PIT.
- ENSURE ADEQUATE TRENCH FOUNDATION AND BEDDING COMPACTION SPECIFICALLY ADJACENT TO DRAINAGE STRUCTURES AND PROTECTION TO PIPES FROM CONSTRUCTION TRAFFIC. CRACKED STORMWATER PIPES WILL NOT BE ACCEPTED.
- ALL INLET PIT GRATINGS AND PRECAST INLETS SHALL BE CONSTRUCTED TO COUNCILS STANDARD DRAWINGS.
- 11. ALL PITS DEEPER THAN 0.9m BUT LESS THAN 1.2m TO BE MINIMUM INTERNAL WIDTH 600 x 900 UNO. ALL PITS DEEPER THAN 1.2m TO BE MINIMUM INTERNAL WIDTH 900SQ UNO AND ARE TO BE CONSTRUCTED WITH STEP IRONS IN ACCORDANCE WITH AS 1657 AND DETAILS.
- SIDE WALLS OF ALL PITS DEEPER THAN 1.5m SHALL BE REINFORCED WITH ONE LAYER OF SL82 MESH RETURNED 300 INTO BASE.
- 13. CARE TO BE TAKEN BY CONTRACTOR WHEN COMPACTING OVER BURIED PIPES.

SAFETY IN DESIGN

- THE DESIGN SAFETY ASSESSMENT HAS BEEN CARRIED OUT WITH REFERENCE TO CURRENT WHS REGULATIONS FOR DESIGN TO BE SAFE SO FAR AS REASONABLY PRACTICABLE. HAZARD AND RISK IDENTIFICATION IS BASED ON INFORMATION AVAILABLE TO THE DESIGNER AT THE TIME OF THE DESIGN.
- ASSESSMENT IS LIMITED TO THE SCOPE OF ACOR'S COMMISSION INCLUDING: BULK EARTHWORKS
- IDENTIFIED HAZARDS ARE THOSE WHICH ARE AFFECTED BY THE DESIGN. AND ARE WITHIN THE CONTROL OF THE DESIGNER.
- HAZARDS AND RISK RELATING TO CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION MUST BE CONSIDERED BY THE OWNER, MANAGER, BUILDER. USER, MAINTAINER AND DEMOLISHER. ALL SUCH ENTITIES ARE ASSUMED TO BE QUALIFIED, COMPETENT AND EXPERIENCED
- SEEK ADVICE WHERE ACTIVITIES ARE OUTSIDE THE FIELD OF EXPERIENCE OF THE OPERATOR/BUIL DER/MAINTAINER, INCLUDING BUT NOT LIMITED TO QUALIFIED STRUCTURAL AND GEOTECHNICAL ENGINEERS.
- NO ATYPICAL HAZARDS HAVE BEEN IDENTIFIED IN THE DESIGN PROCESS.



NAME&CREDENTIALS A ISSUED FOR PRELIMINARY REVIEW 06.05.24 MDM JPR

SCHOOL **INFRASTRUCTURE NSW**

8/259 GEORGE STREET,

SYDNEY NSW 2000

NSW

EJE ARCHITECTURE

412 KING STREET,

[: 02 4929 2353

: mail@eje.com.au

NEWCASTLE NSW 2300







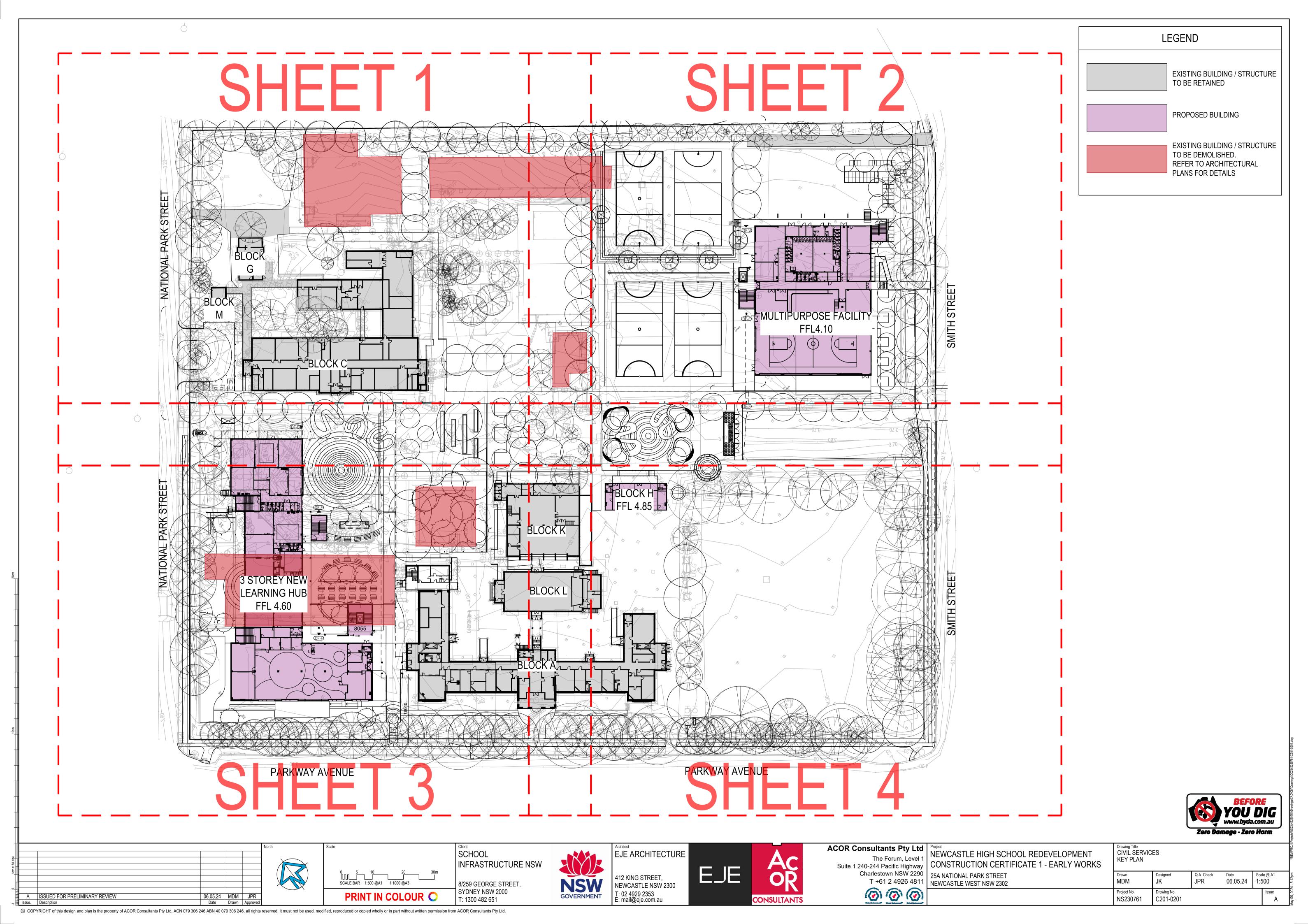


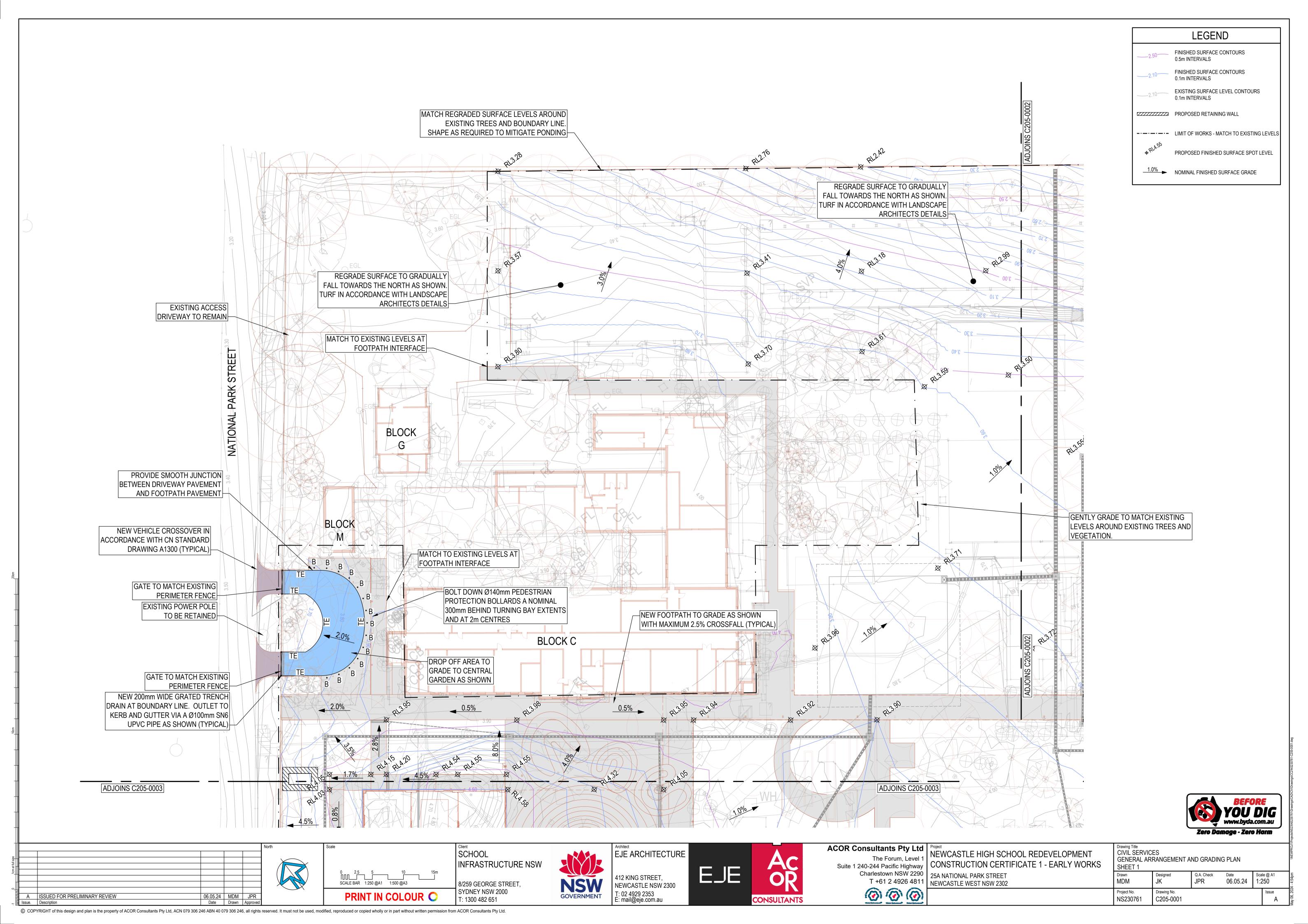
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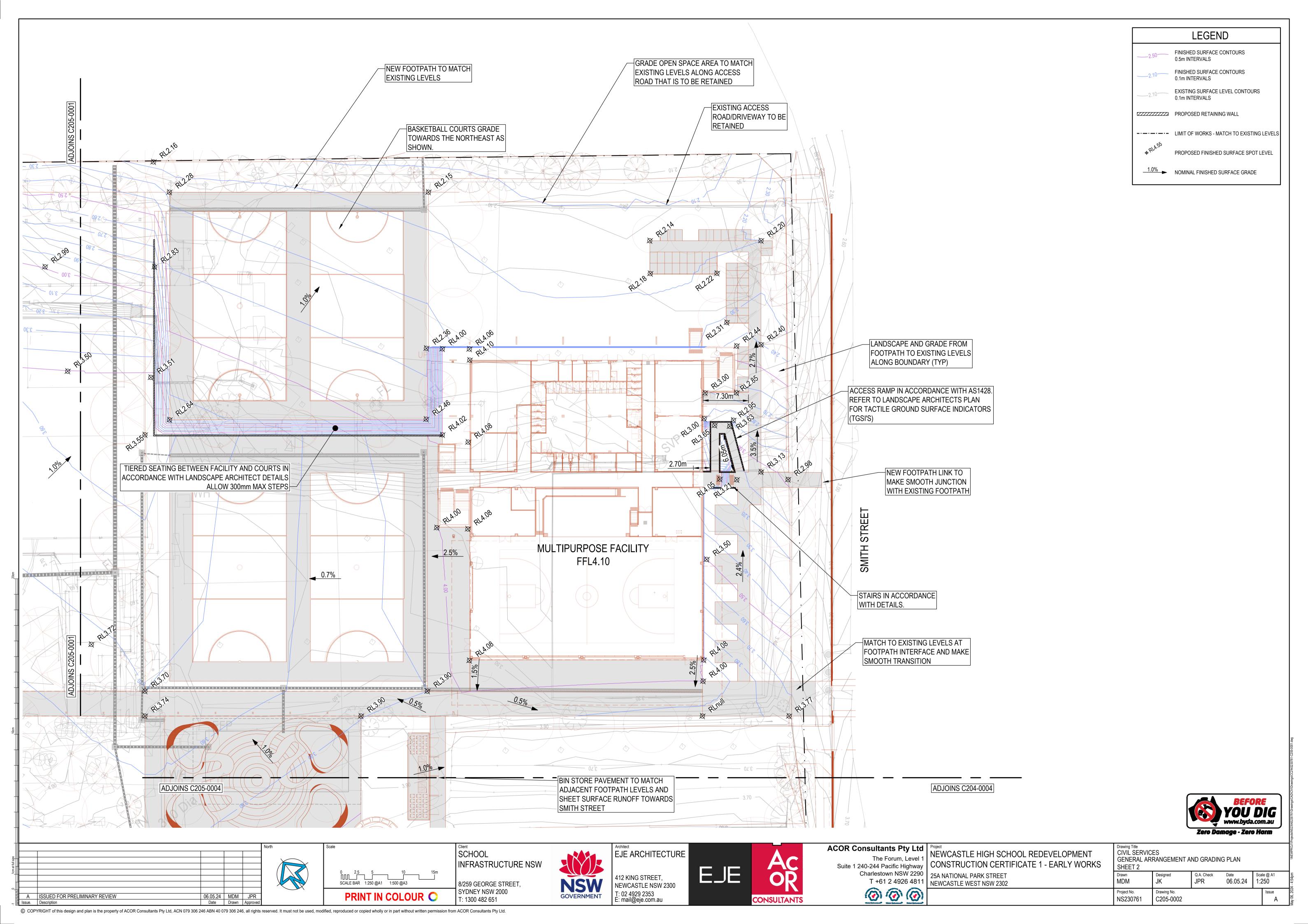
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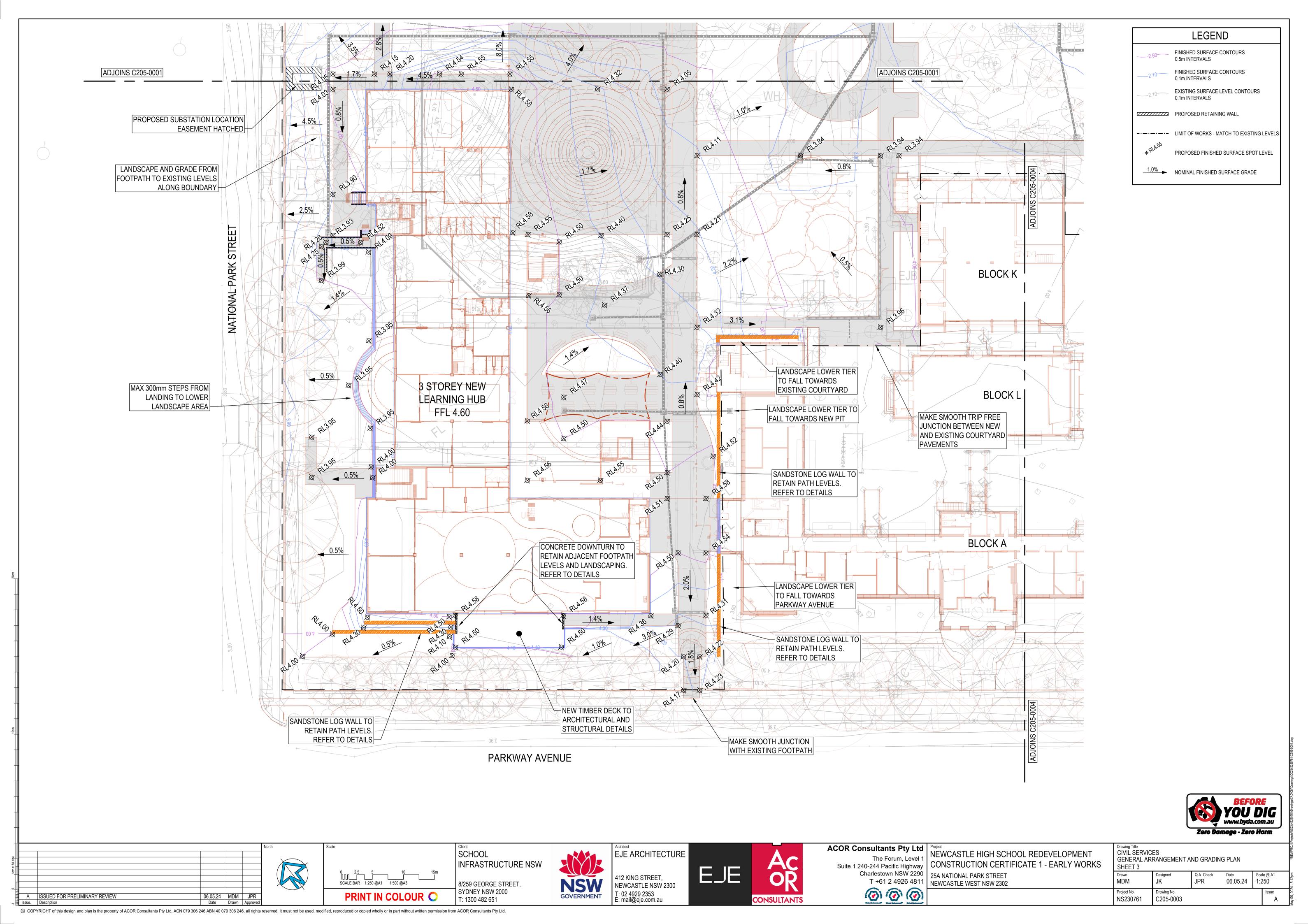
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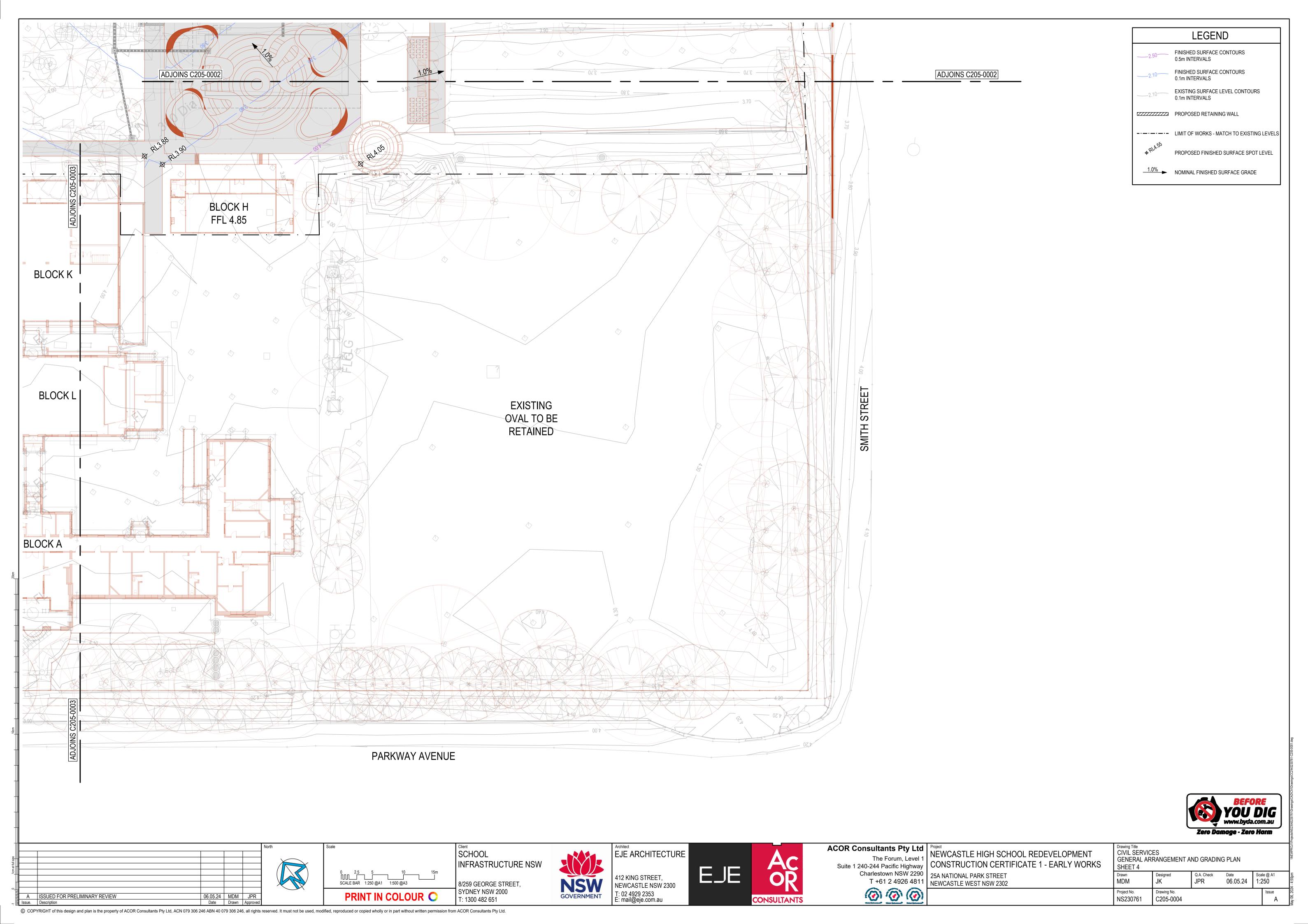
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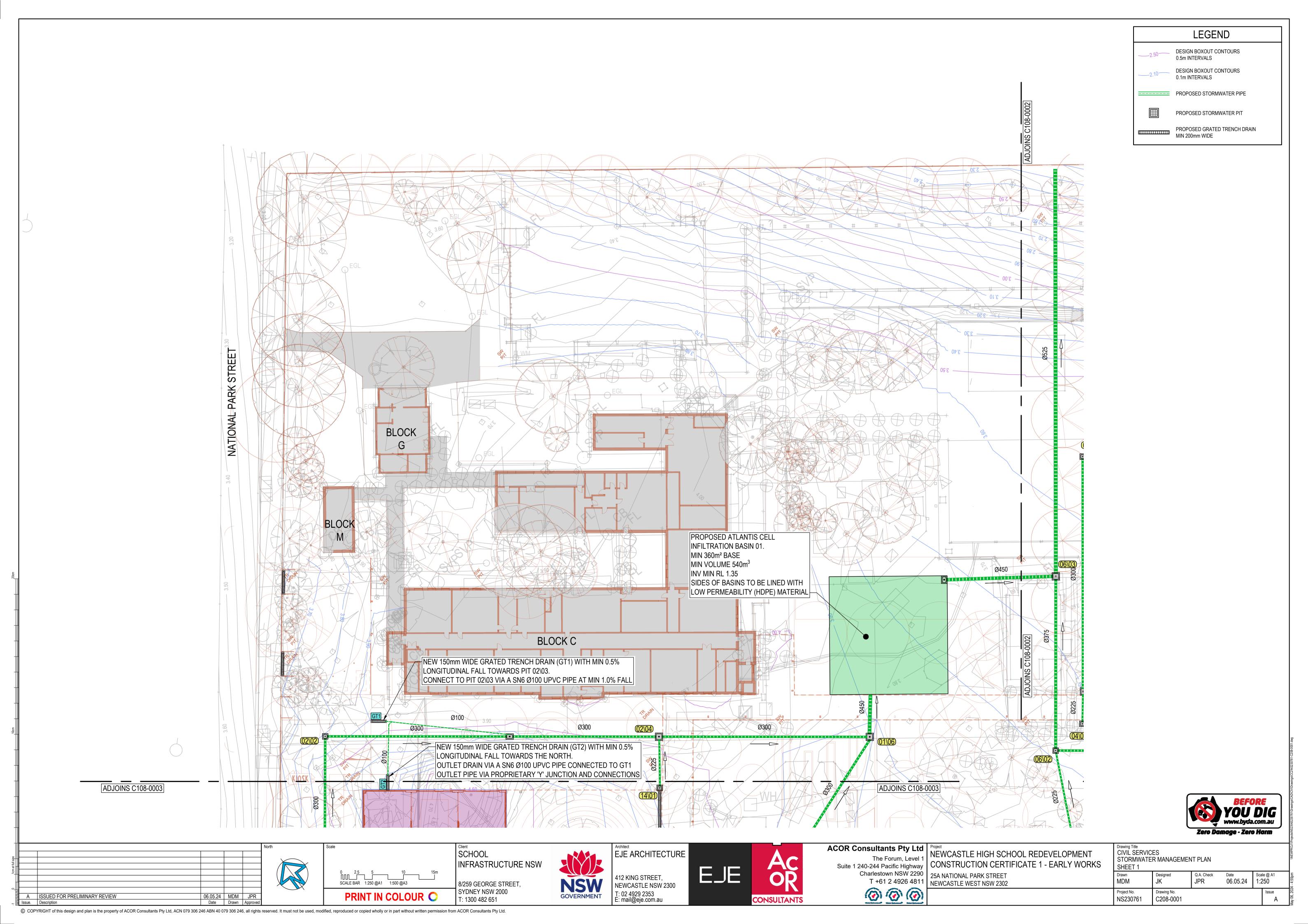


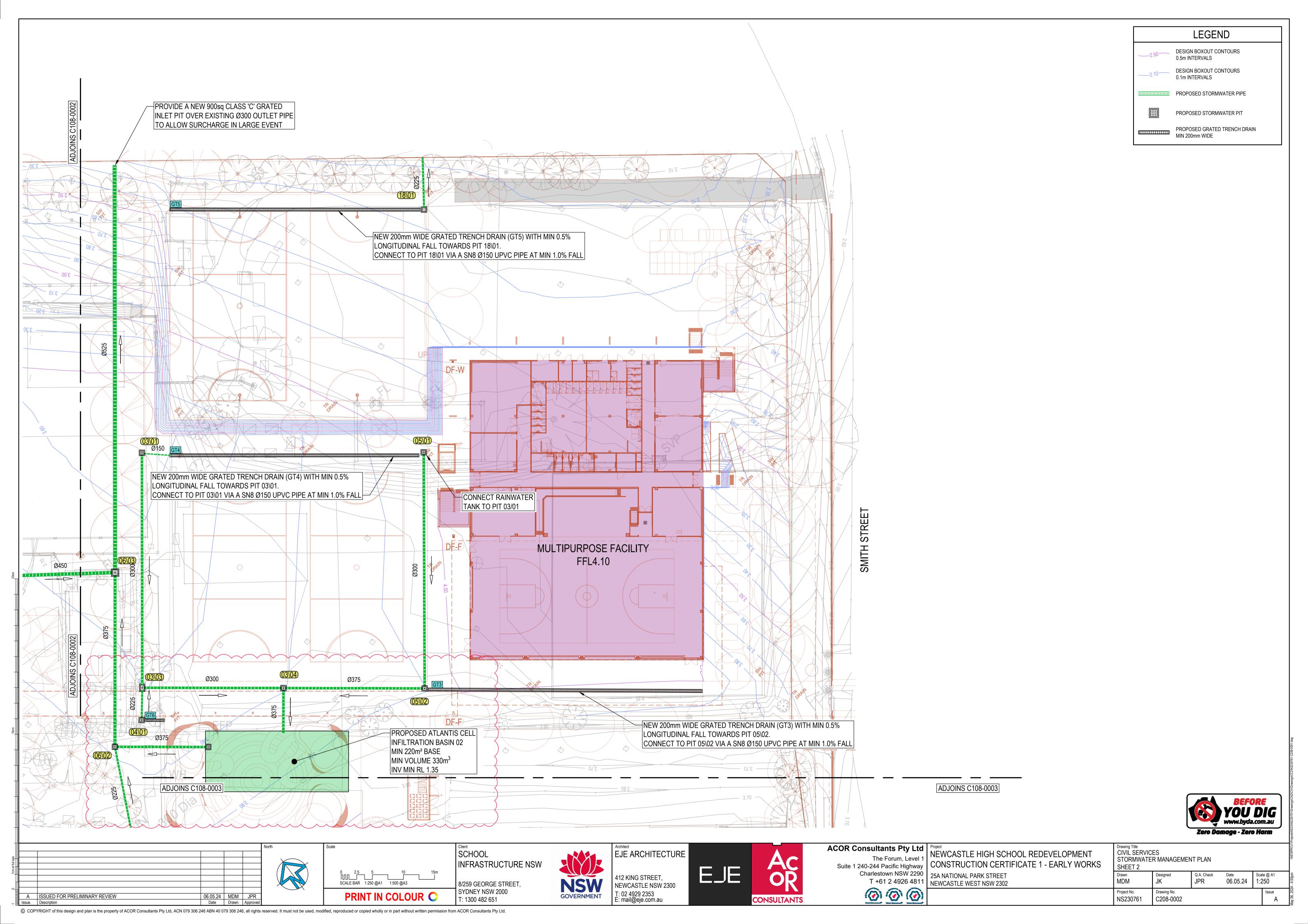


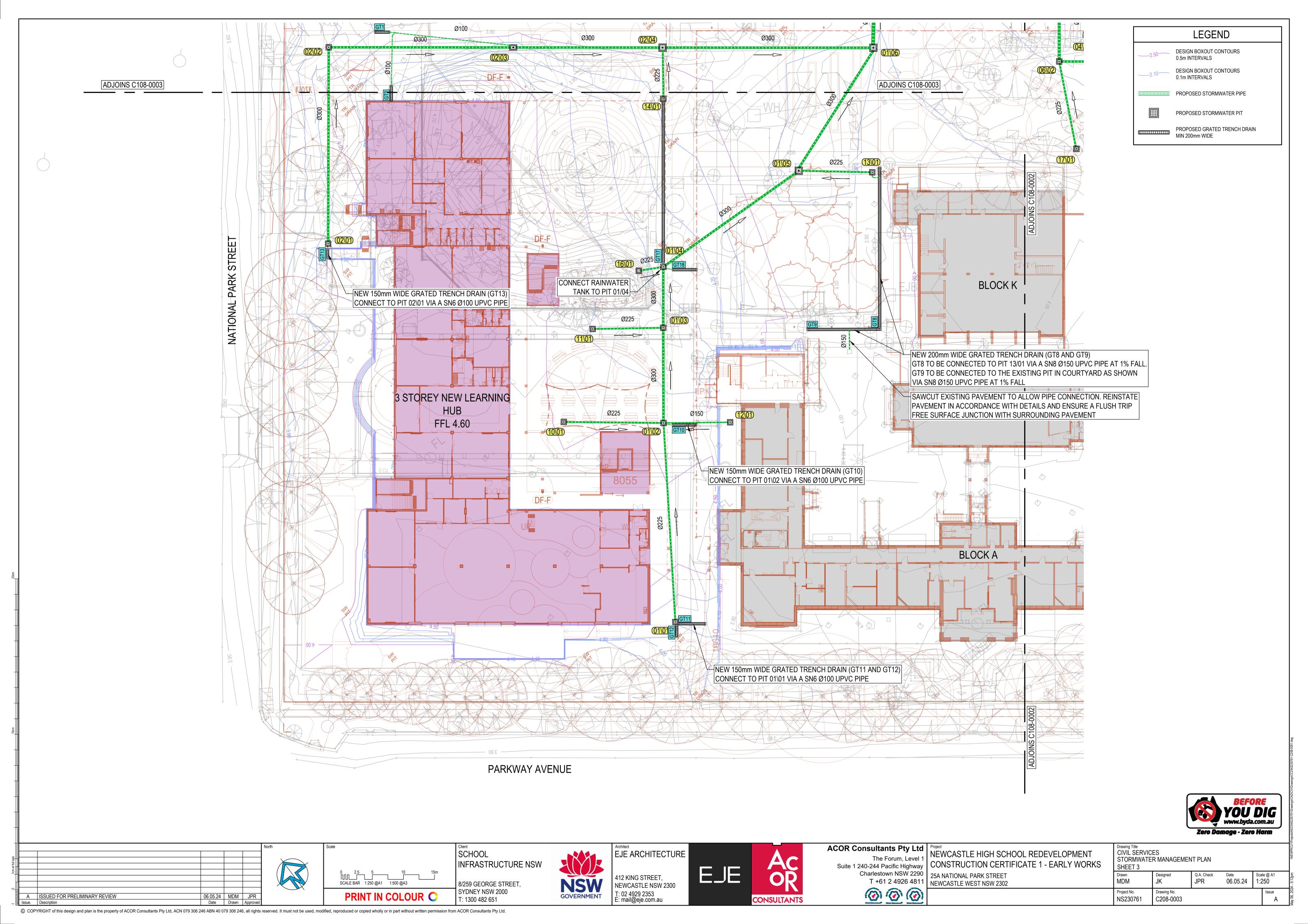


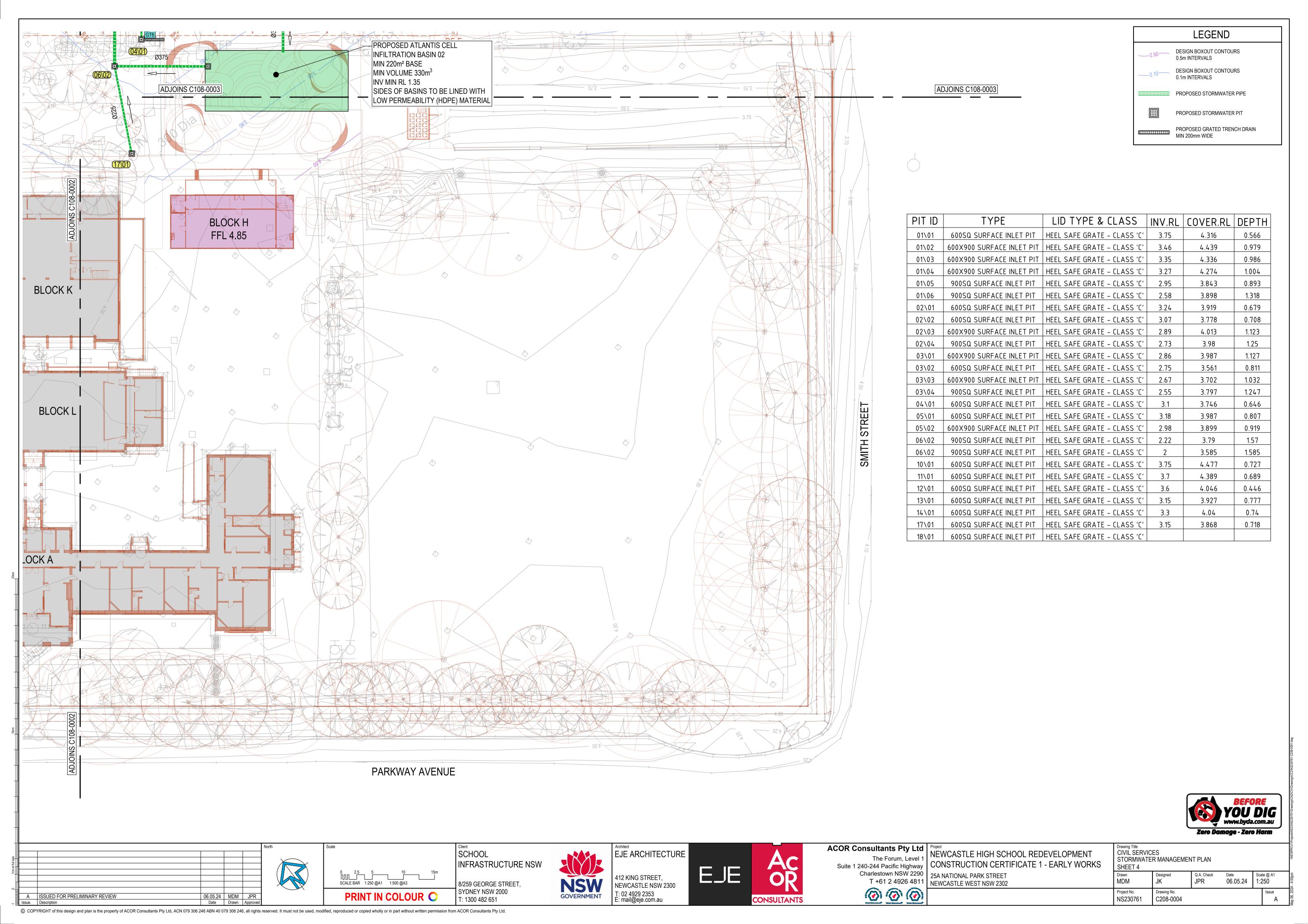


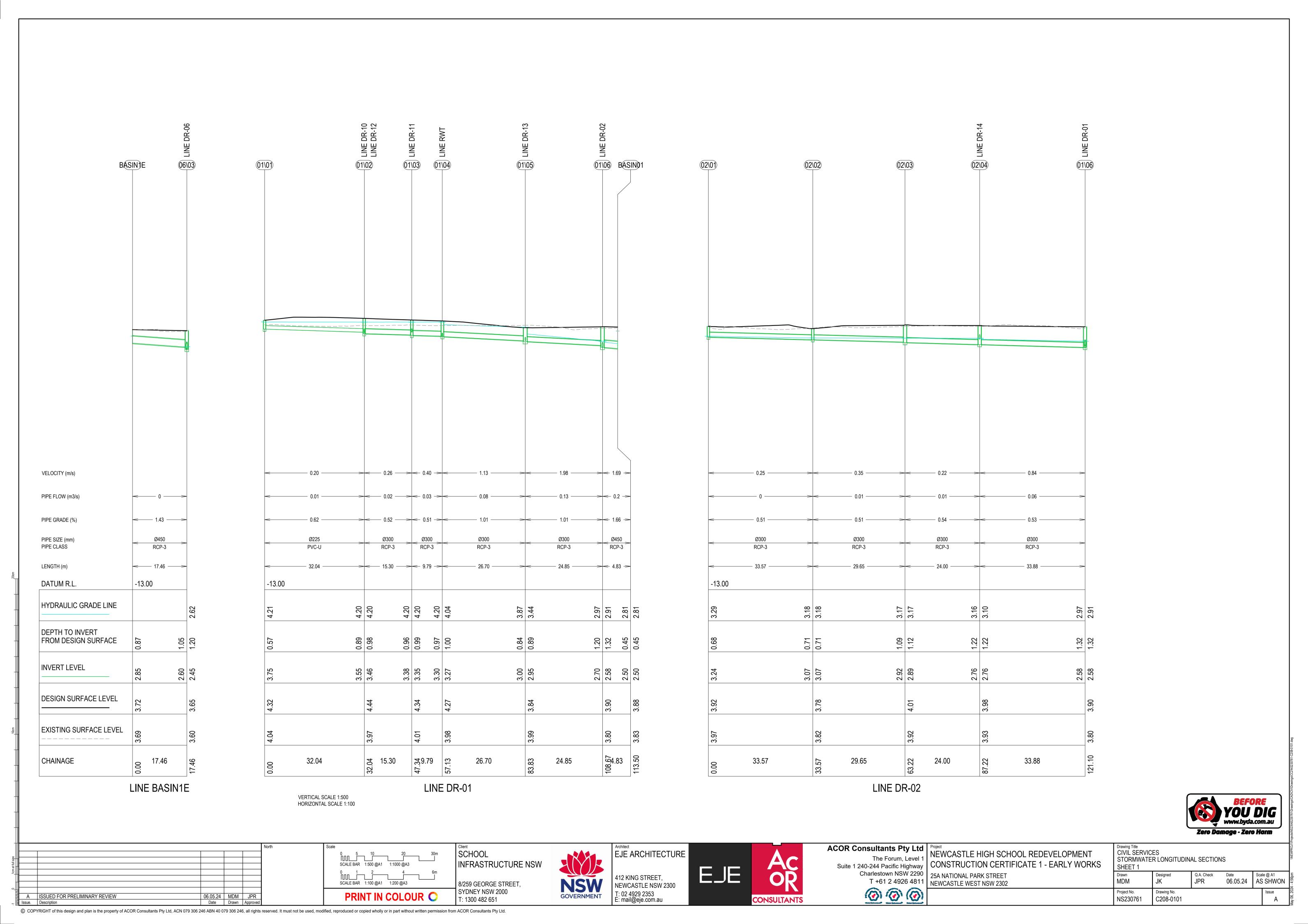


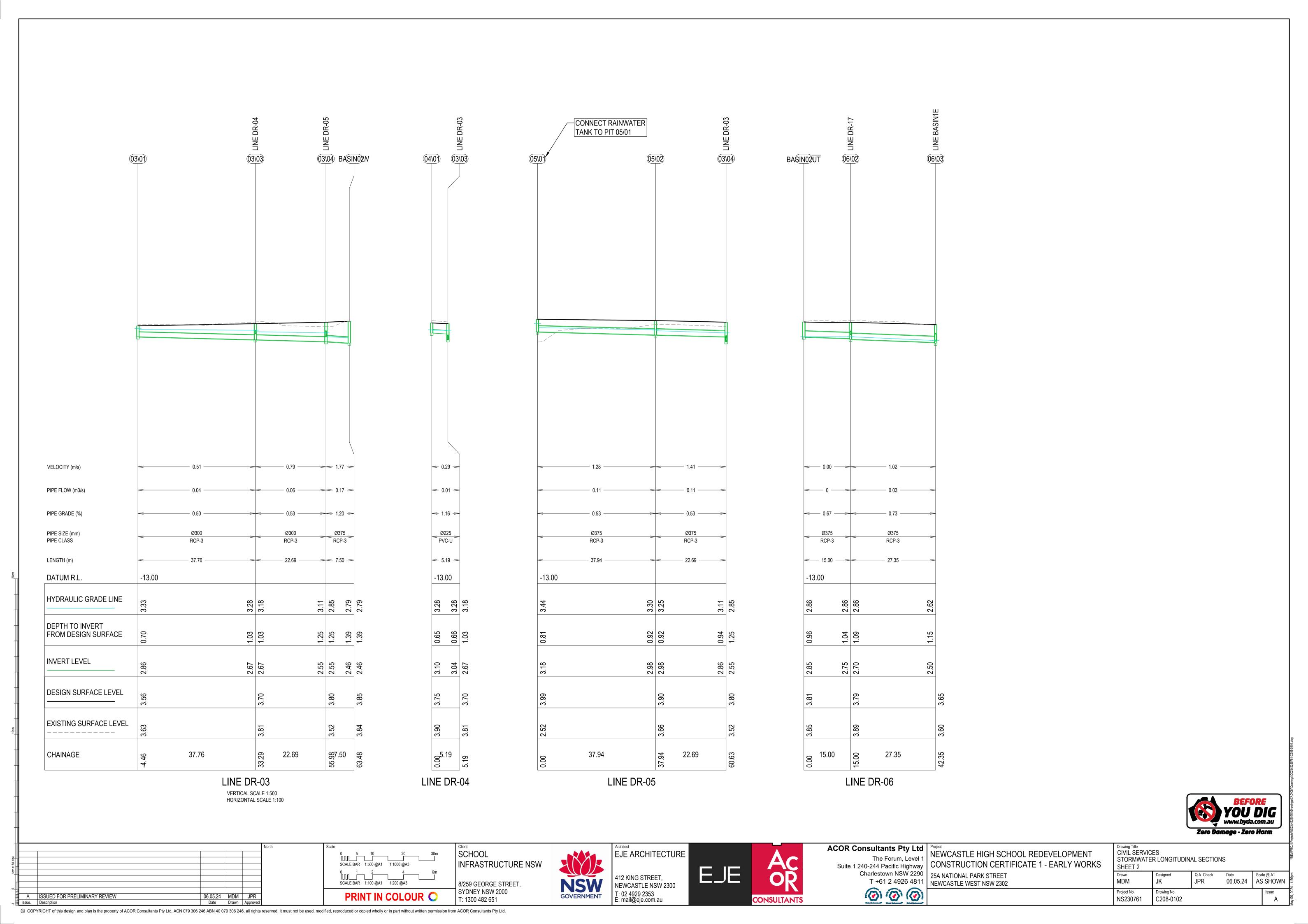


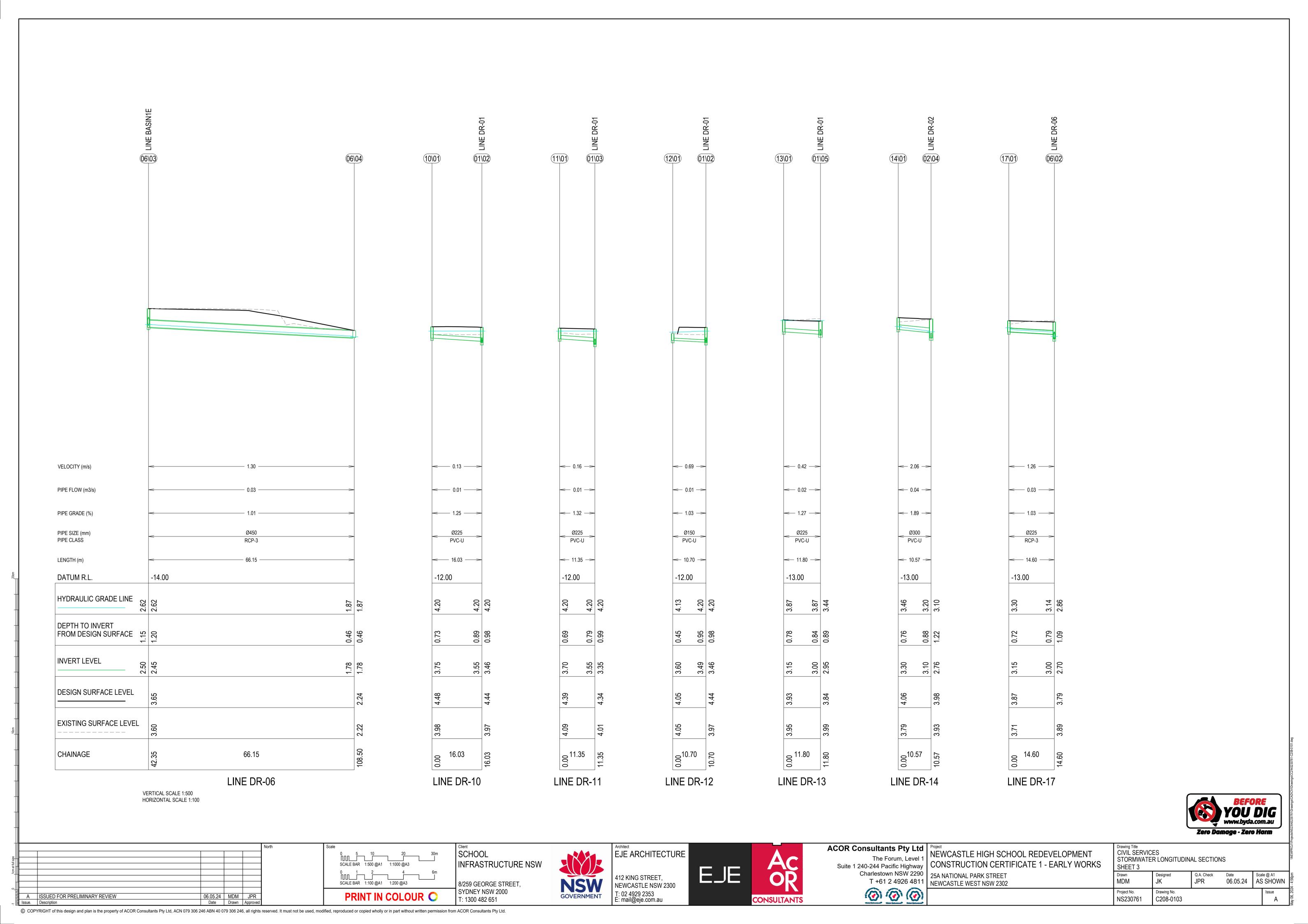


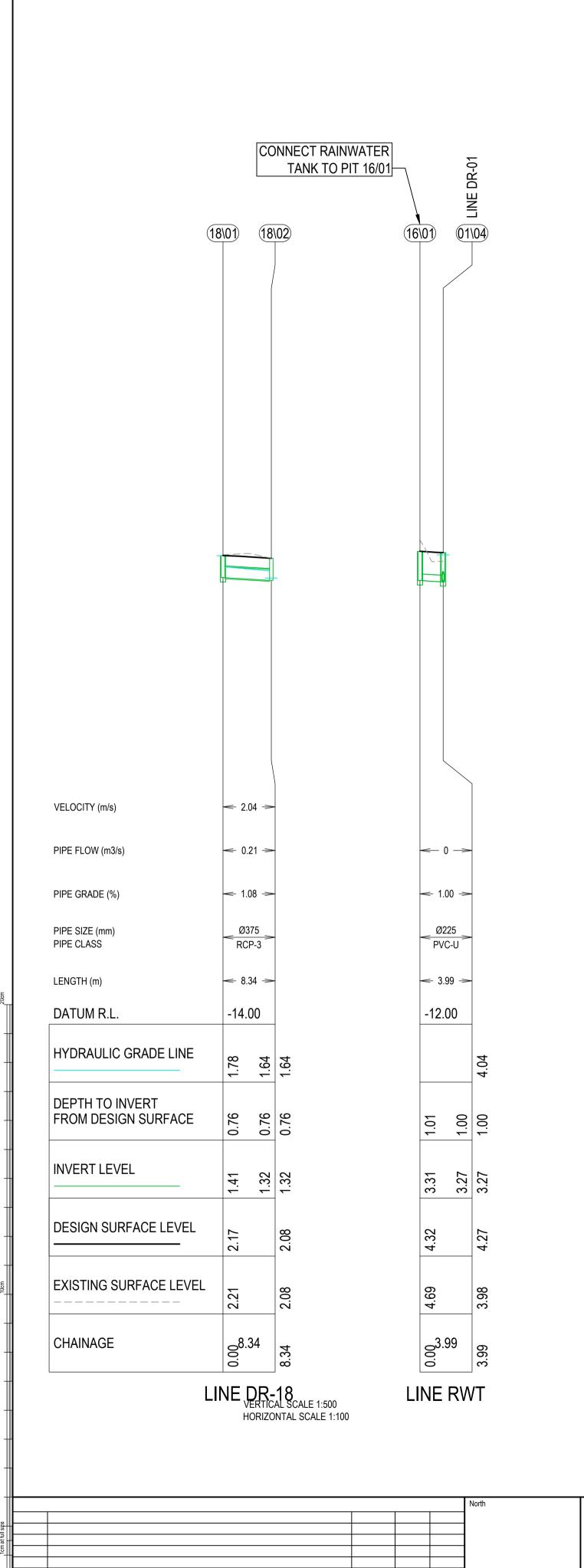












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Date Drawn Approved

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T: 1300 482 651



Architect
EJE ARCHITECTURE EJE 412 KING STREET, NEWCASTLE NSW 2300 T: 02 4929 2353 E: mail@eje.com.au

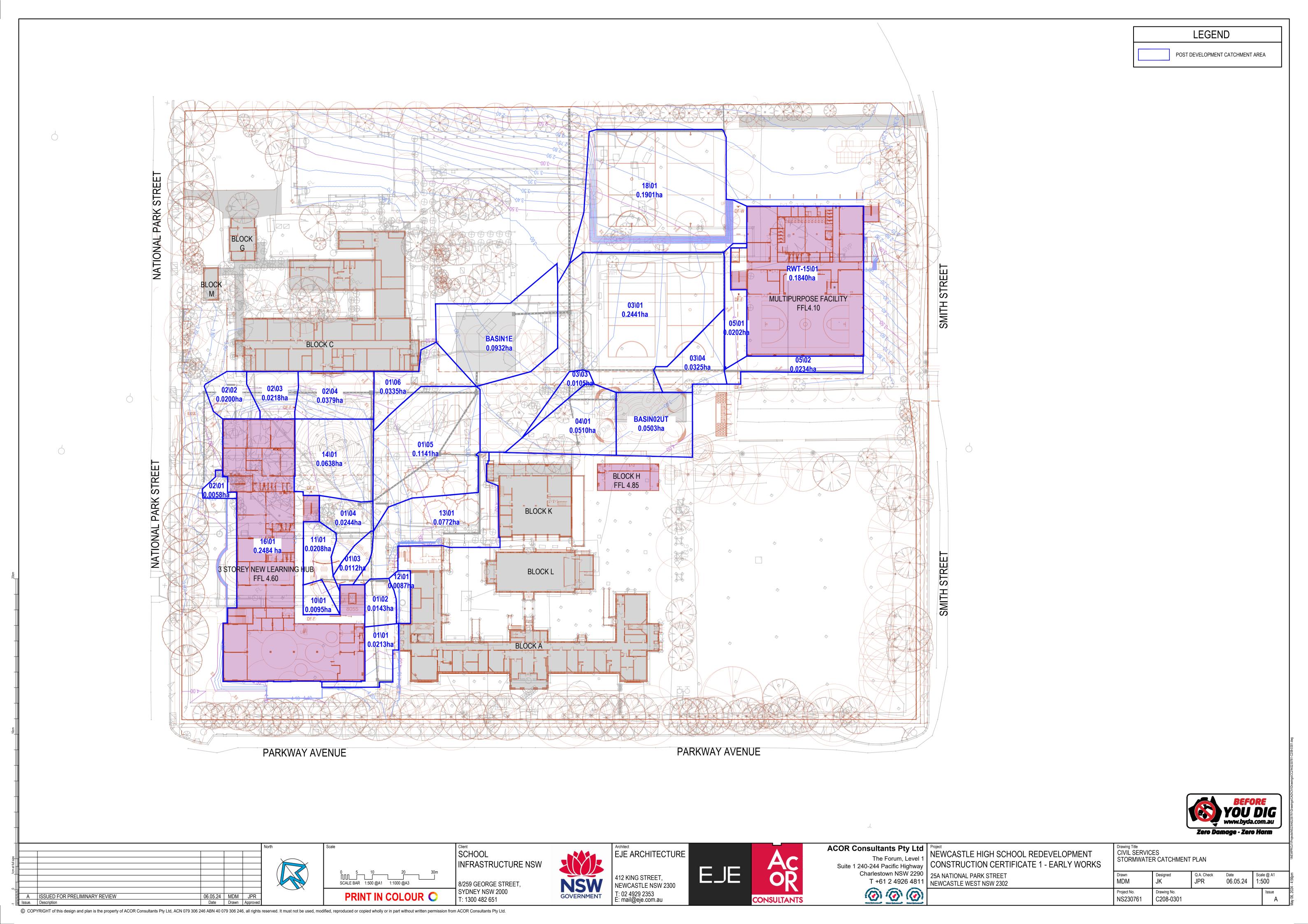


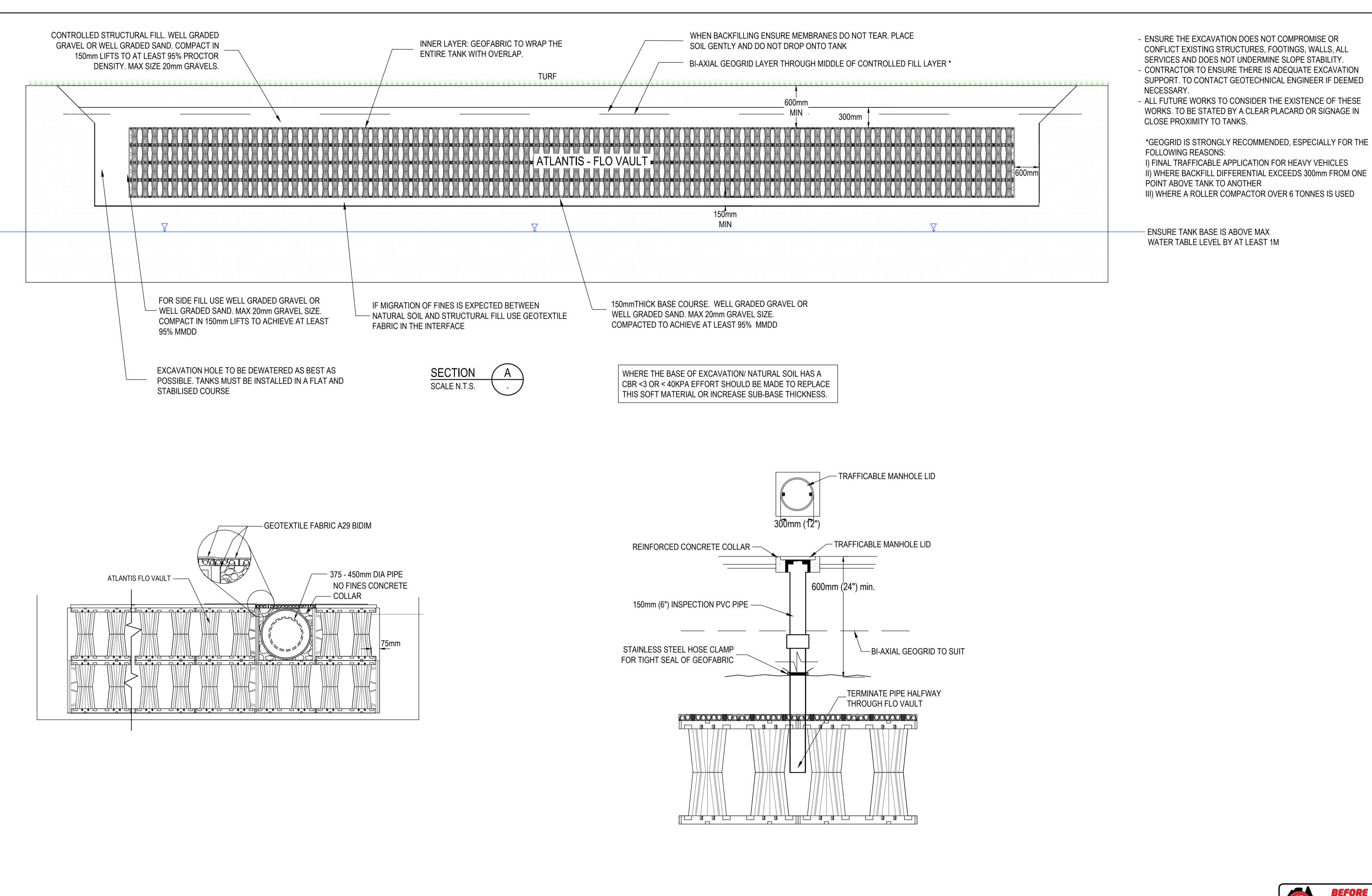
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Drawing Title
CIVIL SERVICES
STORMWATER LONGITUDINAL SECTIONS

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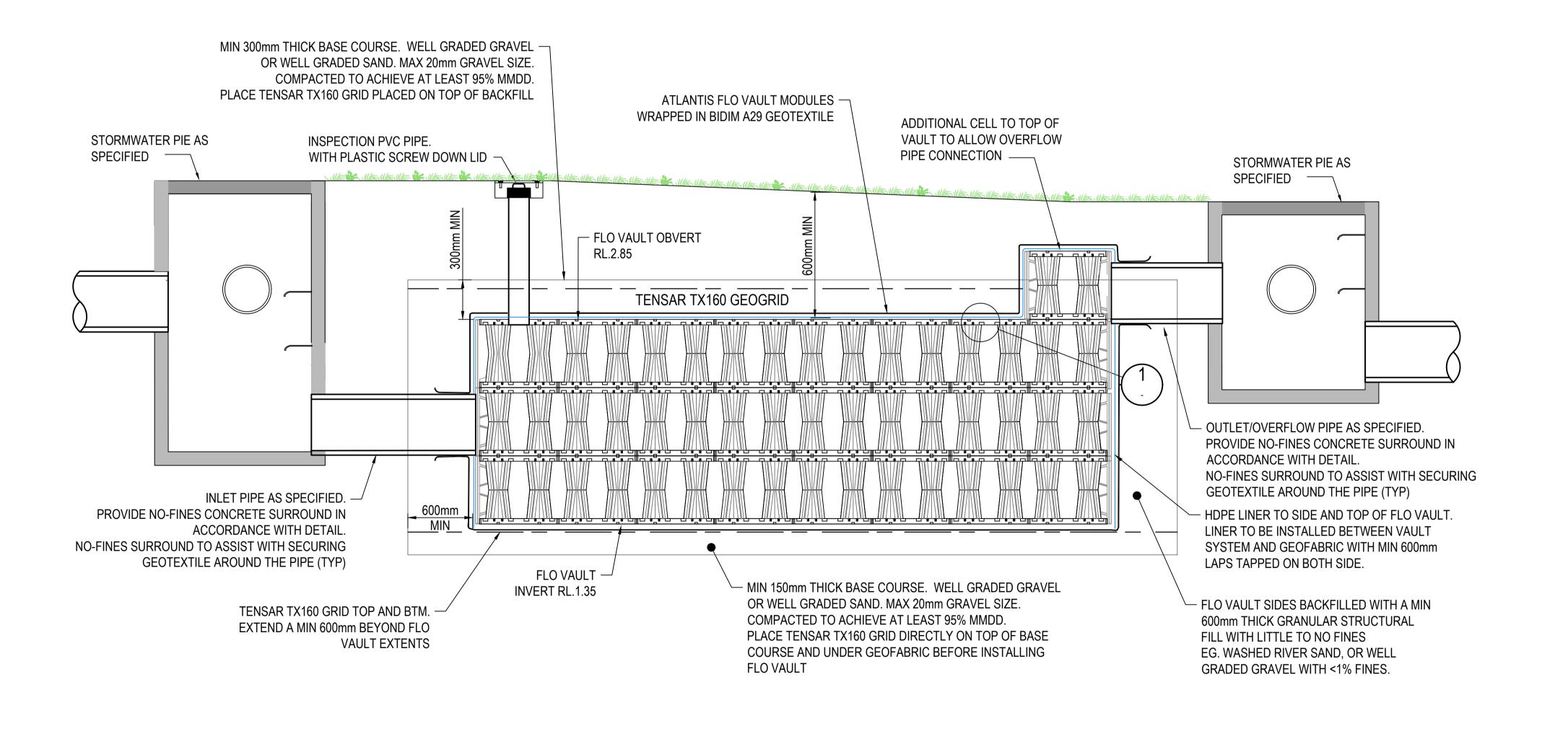


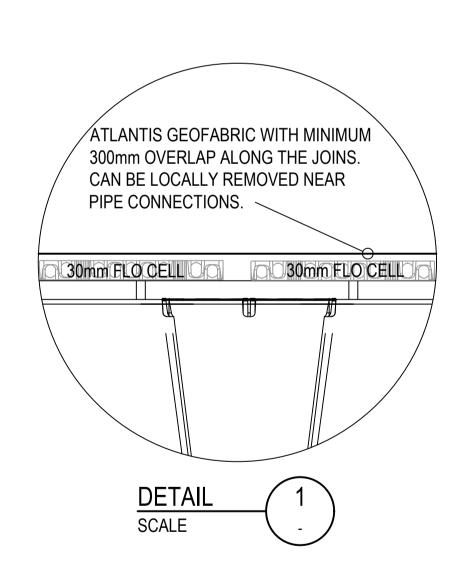


SCHOOL Architect
EJE ARCHITECTURE ACOR Consultants Pty Ltd | Project NEWCASTLE HIGH SCHOOL REDEVELOPMENT The Forum, Level 1 Suite 1 240-244 Pacific Highway | CONSTRUCTION CERTIFICATE 1 - EARLY WORKS INFRASTRUCTURE NSW Charlestown NSW 2290 T +61 2 4926 4811 25A NATIONAL PARK STREET NEWCASTLE WEST NSW 2302 412 KING STREET, NSW NEWCASTLE NSW 2300 8/259 GEORGE STREET, SYDNEY NSW 2000 T: 02 4929 2353 E: mail@eje.com.au A ISSUED FOR PRELIMINARY REVIEW PRINT IN COLOUR O 06.05.24 MDM JPR
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Drawing Title
CIVIL SERVICES
STORMWATER DETAILS
SHEET 1







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SCHOOL INFRASTRUCTURE NSW 8/259 GEORGE STREET, SYDNEY NSW 2000

Γ: 1300 482 651



412 KING STREET,

T: 02 4929 2353 E: mail@eje.com.au

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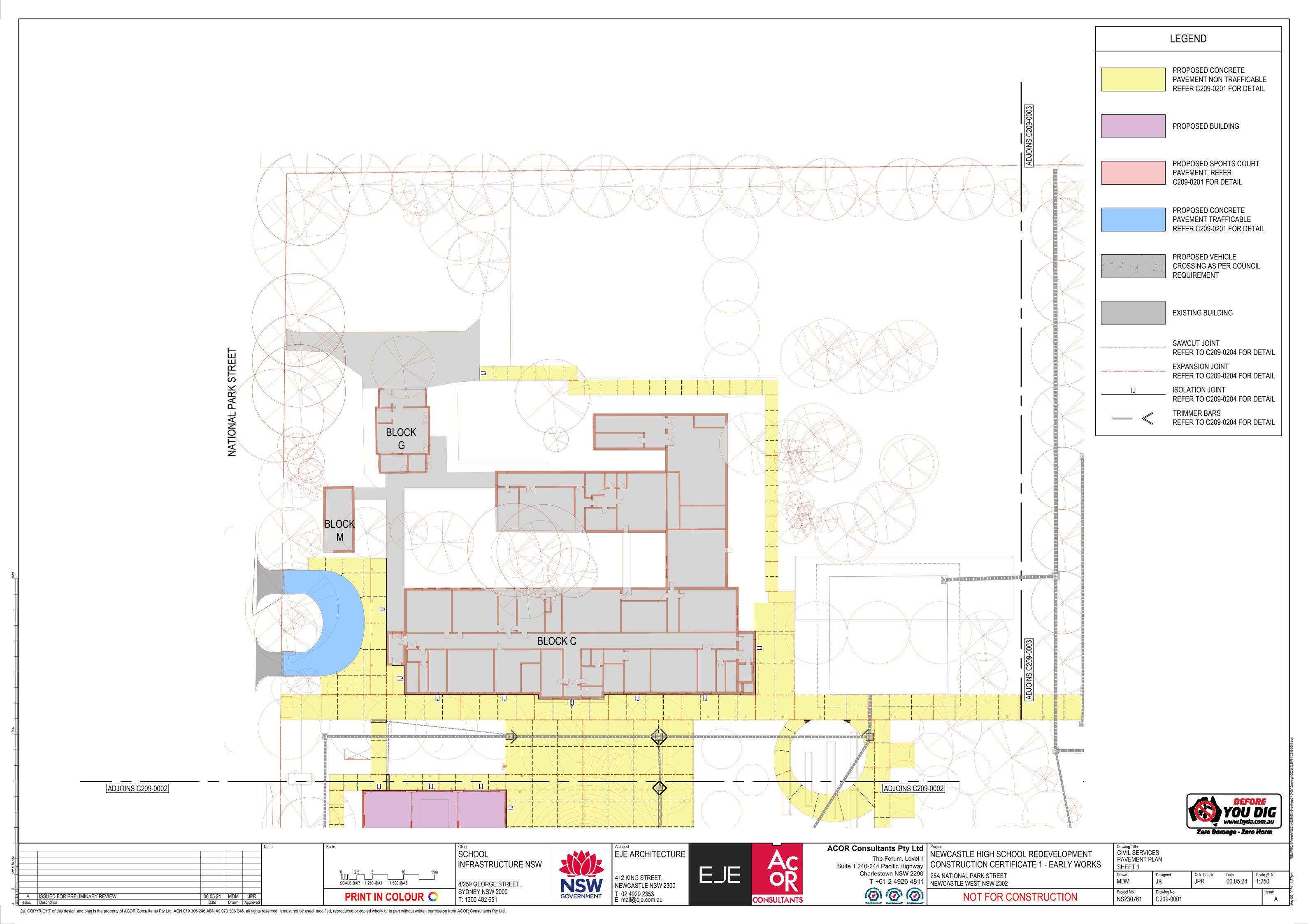
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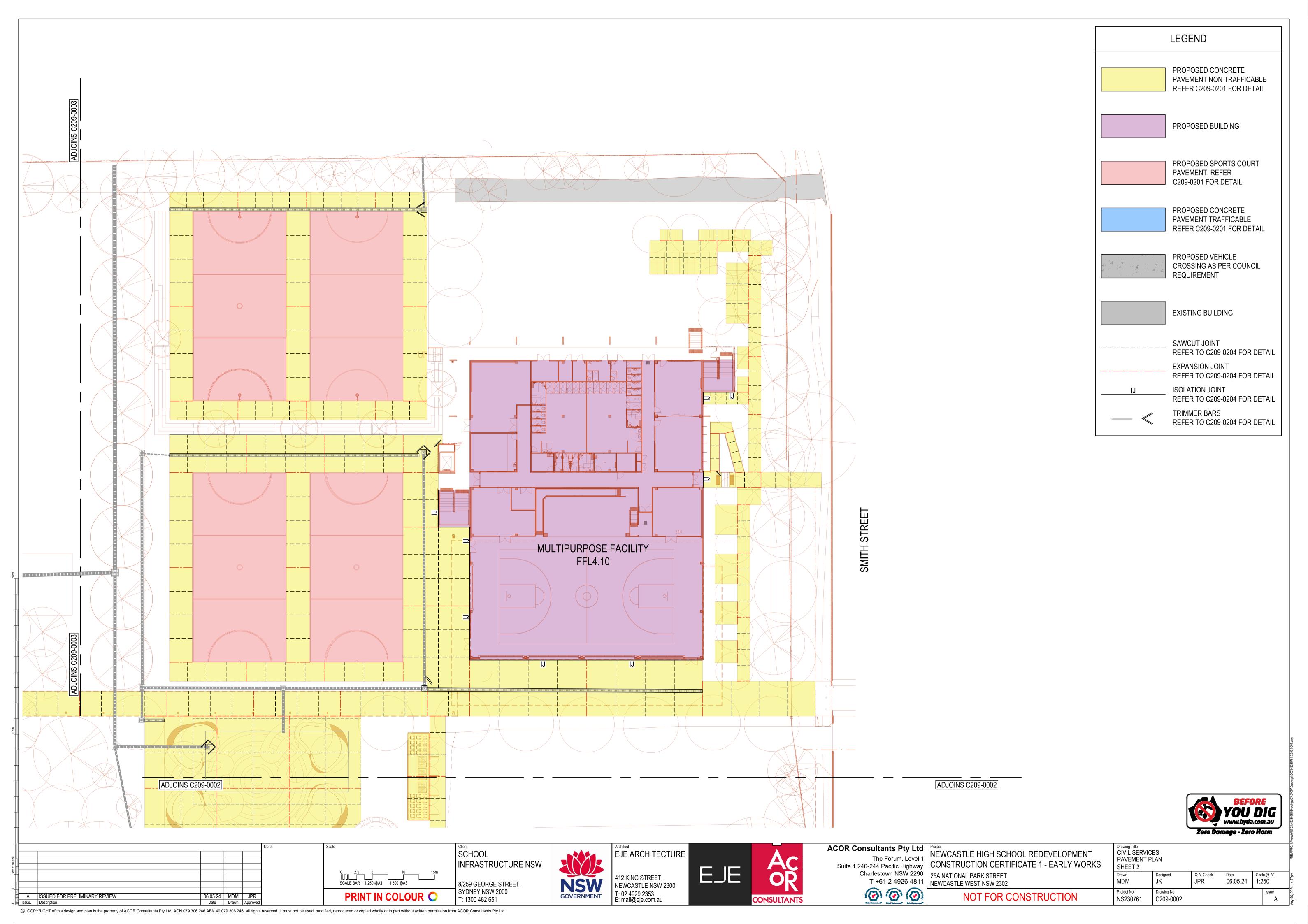
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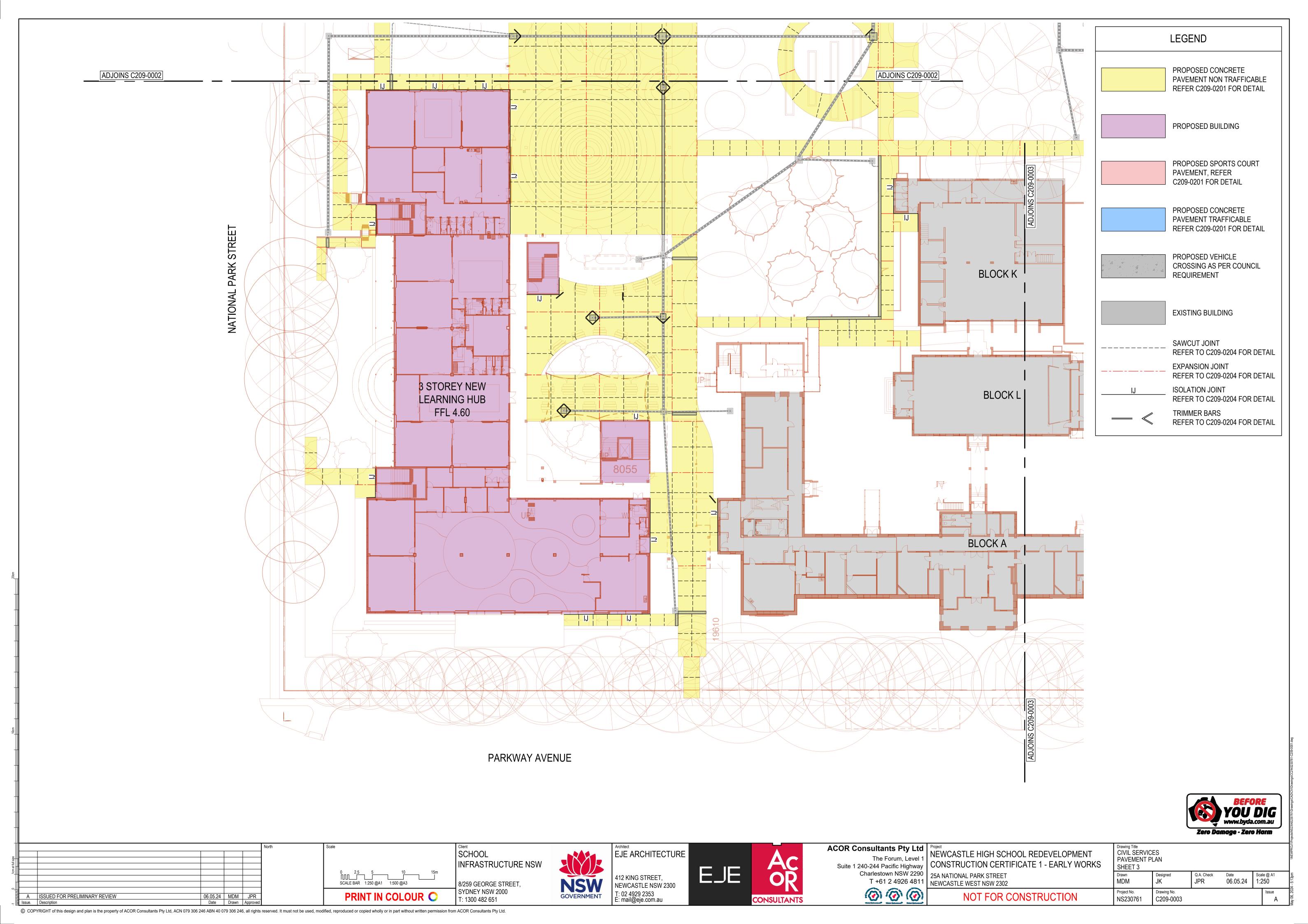
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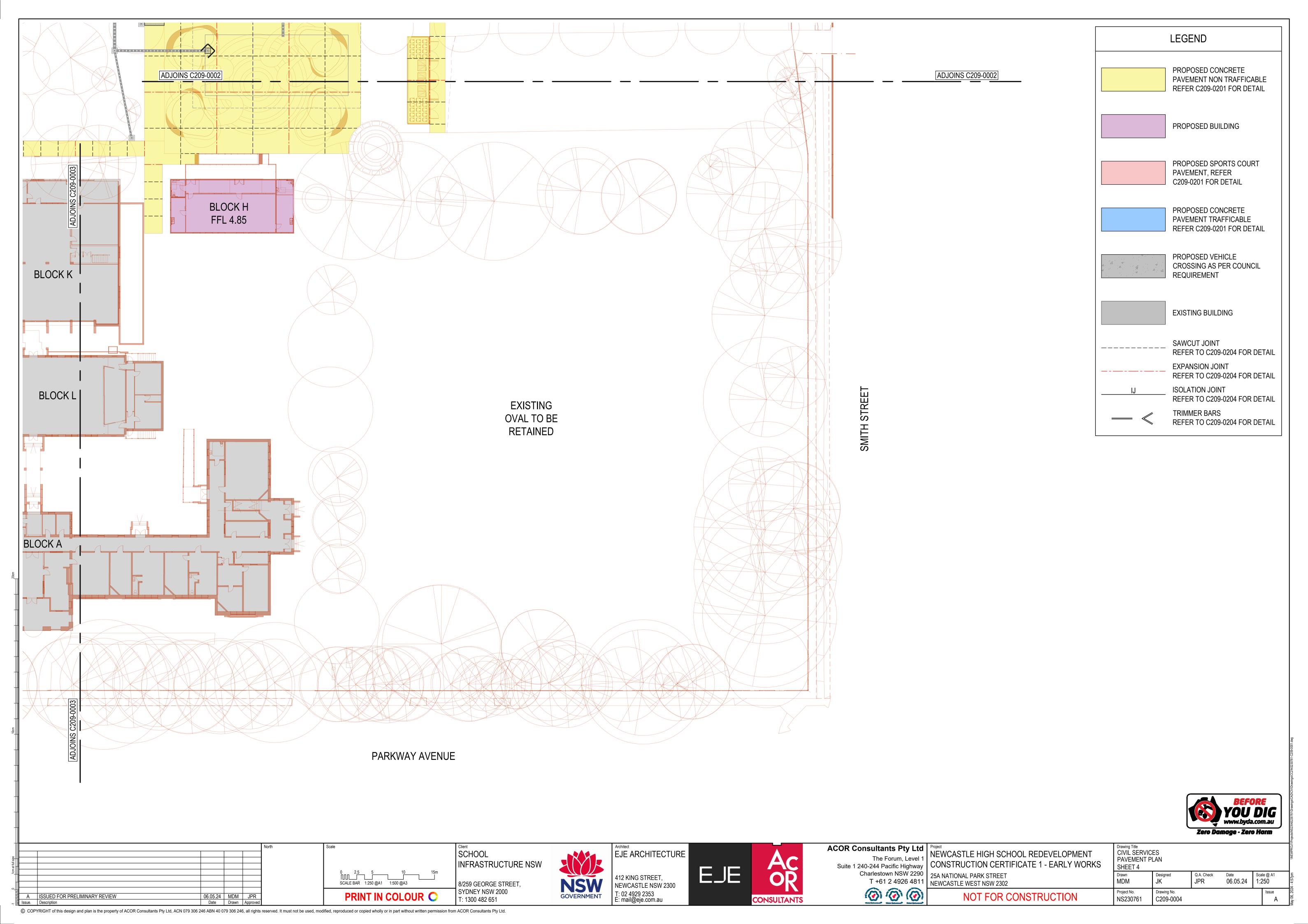
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Date 06.05.24 Scale @ A1 N.T.S. Drawn MDM C208-0402 NS230761









CONCRETE NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL COMPLY WITH AS 3600, CURRENT EDITIONS WITH AMENDMENTS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- 2. CONCRETE TO COMPLY WITH THE FOLLOWING: 28 DAY COMPRESSIVE STRENGH - F'c = 32MPa 28 DAY FLEXURAL STRENGTH F'ef = 4.5MPa MAX 28 DAY SHRINKAGE - 600 MICROSTRAIN
- READYMIX CONCRETE SUPPLY SHALL COMPLY WITH AS1379.
- 4. PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS10120.
- 5. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.
- 6. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1 METRE CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS. IN EXPOSURE CONDITIONS GREATER THAN B1 USE ONLY PLASTIC CHAIRS.
- 7. CONCRETE SIZES SHOWN DO NOT INCLUDE THICKNESSES OF APPLIED FINISHES.
- 8. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENOUS MASS, COMPLETELY FILLING THE FORMWORK THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.
- CURING OF ALL CONCRETE IS TO BE ACHIEVED BY KEEPING SERVICES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS, AND PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT. APPROVED SPRAYED ON CURING COMPOUNDS THAT COMPLY WITH AS3799 MAY BE USED WHERE FINISHES WILL NOT BE AFFECTED (REFER MANUFACTURER'S SPECIFICATION). POLYHTENE SHEETING OR WET HESSIAN MAY BE USED TO RETAIN CONCRETE MOISTURE WHERE NOT PROTECTED FROM WIND AND TRAFFIC.
- 10. THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTION AND CONCRETE SHALL NOT BE DELIVERED UNTIL FINAL APPROVAL OBTAINED.
- 11. REINFORCEMENT SYMBOLS:

'R' DENOTES ROUND BAR, 250MPa GRADE, NORMAL DUCTILITY 'SL' DENOTES SQUARE MESH, DEFORMED BAR, 500MPa GRADE, LOW DUCTILITY 'RL' DENOTES RECTANGULAR MESH, DEFORMED BAR, 500MPa GRADE. LOW DUCTILITY

☐ SPACING IN mm

NUMBER OF BARS IN GROUP BAR GRADE AND TYPE 17 N20 - 250

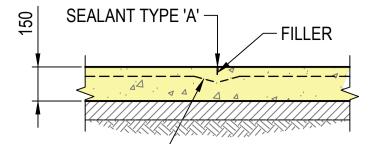
- REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.
- 13. FABRIC SHALL BE LAPPED 2 TRANSVERSE WIRES PLUS 50mm. BUNDLED BARS SHALL BE TIED TOGETHER AT 30 BAR DIAMETER CENTRES WITH 3 WRAPS OF THE WIRE.

JOINTING NOTES

- ALL WORK IN ACCORDANCE WITH "GUIDE TO RESIDENTIAL STREETS AND PATHS" BY CEMENT & CONCRETE ASSOC. OF AUST.
- SURFACE FINISH SHALL BE LIGHT BROOM OR HESSIAN BAG U.N.O. ISOLATION JOINTS AROUND S.W. PITS.
- ISOLATION JOINTS AND N12 TRIMMER BARS AROUND S.W. PITS.
- KERB AND PAVEMENT JOINTING TO ALIGN.

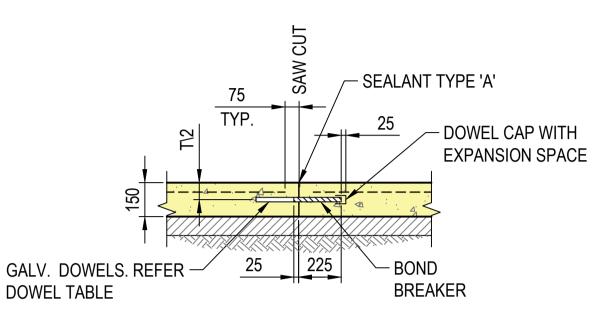
NOMINAL BAR SIZE IN mm ———

- CONCRETE JOINTING AS SHOWN ON PLAN OR AT 5m MAX. CENTRES TYPICAL ALL CONCRETE ROADS.
- EXPANSION JOINTS (EJ) AS SHOWN ON PLAN OR AT 30m INTERVALS MAX.
- 7. SEALANT TO BE POLYSULPHIDE OR EQUIVALENT INSTALLED TO MANUFACTURER'S SPECIFICATION.
- 8. FILLER TO BE ABLEFLEX OR EQUIVALENT INSTALLED TO MANUFACTURER'S SPECIFICATION.
- SAWCUTS TO BE CARRIED OUT WITHIN 24hrs OF POUR. UNLESS OTHERWISE APPROVED BY THE ENGINEER.

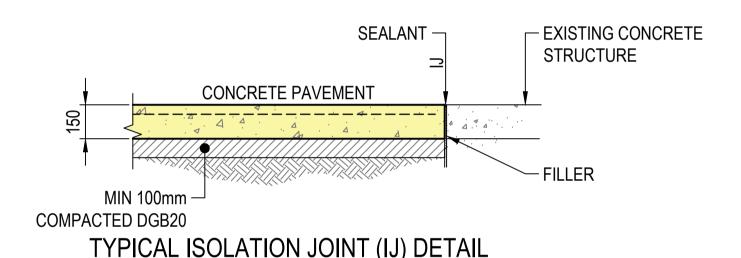


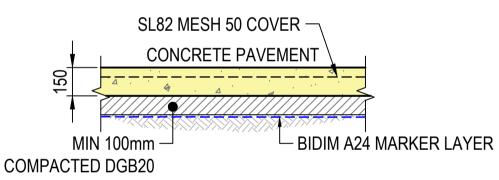
DEPRESS FABRIC MESH (CUT EVERY SECOND BAR) UNDER SAW CUT (TOP FABRIC IF TWO LAYERS)

> TYPICAL SAW CUT JOINT (SC) DETAIL N.T.S



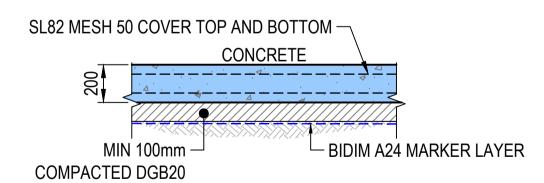
(MAX. SPACING 15m) TYPICAL EXPANSION JOINT (EJ) DETAIL N.T.S



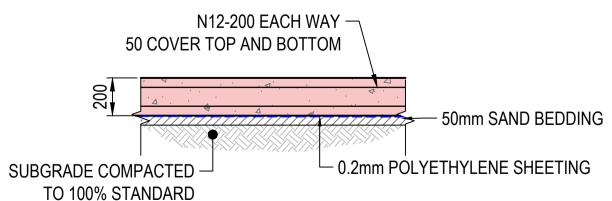


N.T.S

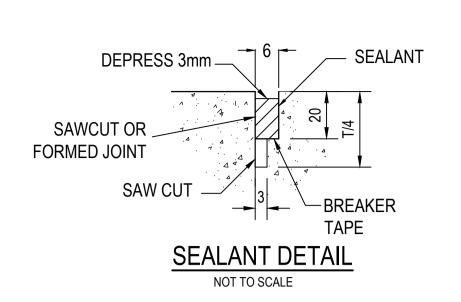
TYPICAL CONCRETE PAVEMENT DETAIL

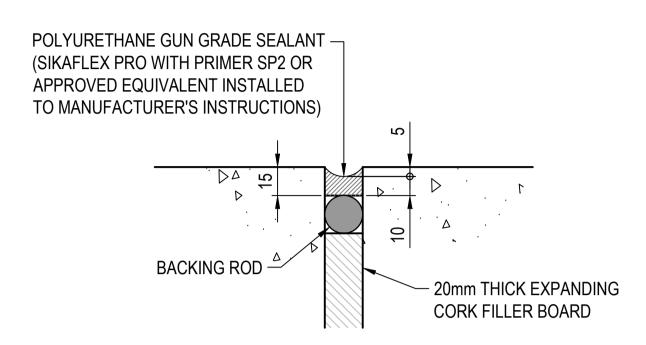


TYPICAL CONCRETE DRIVEWAY DETAIL N.T.S

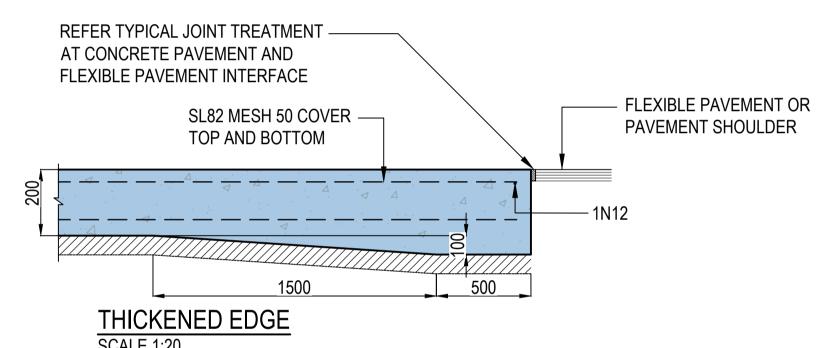


SPORTS COURT PAVEMENT DETAIL N.T.S

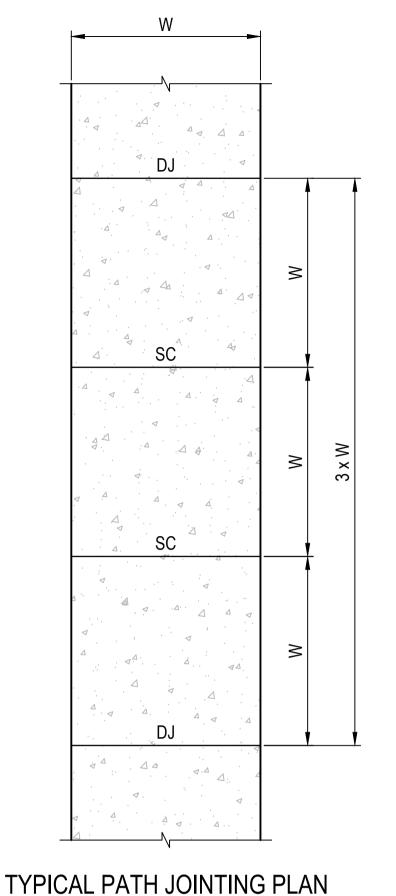


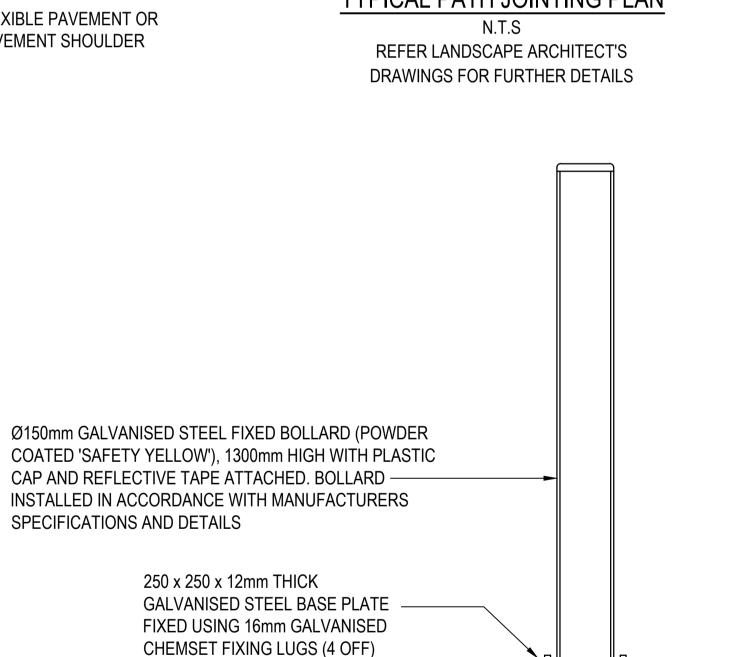


TYPICAL JOINT SEALANT TYPE 'B' DETAIL SCALE 1:2



SCALE 1:20 SHOWN AS 'TE' ON PLAN NOTE: JOINT THICKENING TO MATCH THE THICKER OF THE TWO ADJOINING PAVEMENTS





BOLLARD 'B' PROVIDE 600mm CLEARANCE TO FACE OF KERB / TRAVEL LANE N.T.S.



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EJE ARCHITECTURE 412 KING STREET, **NEWCASTLE NSW 2300** T: 02 4929 2353 E: mail@eje.com.au





ACOR Consultants Pty Ltd The Forum, Level 1 Suite 1 240-244 Pacific Highway

Charlestown NSW 2290 25A NATIONAL PARK STREET T +61 2 4926 4811 NEWCASTLE WEST NSW 2302 NOT FOR CONSTRUCTION

NEWCASTLE HIGH SCHOOL REDEVELOPMENT CONSTRUCTION CERTIFICATE 1 - EARLY WORKS

SPECIFICATIONS AND DETAILS

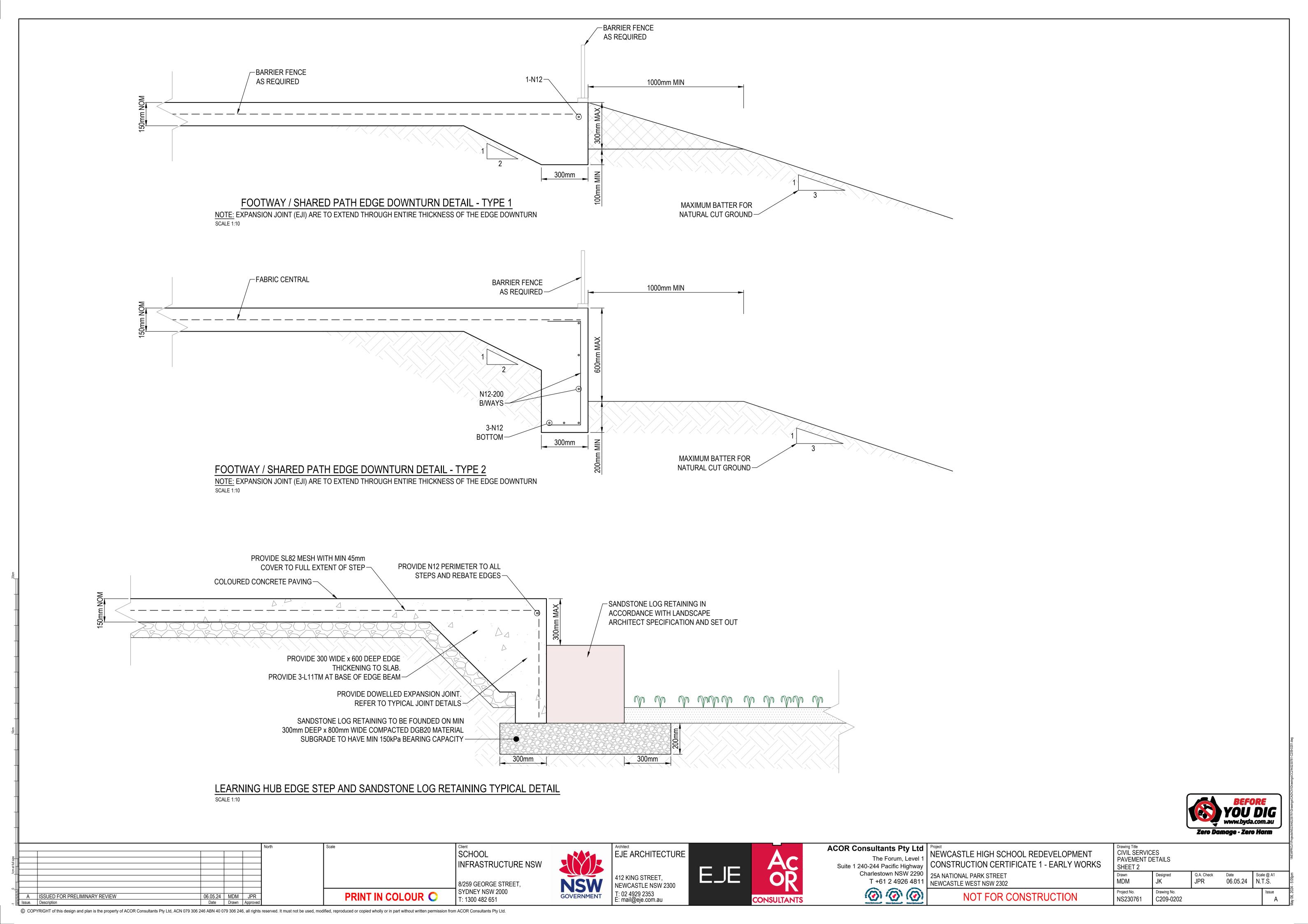
250 x 250 x 12mm THICK

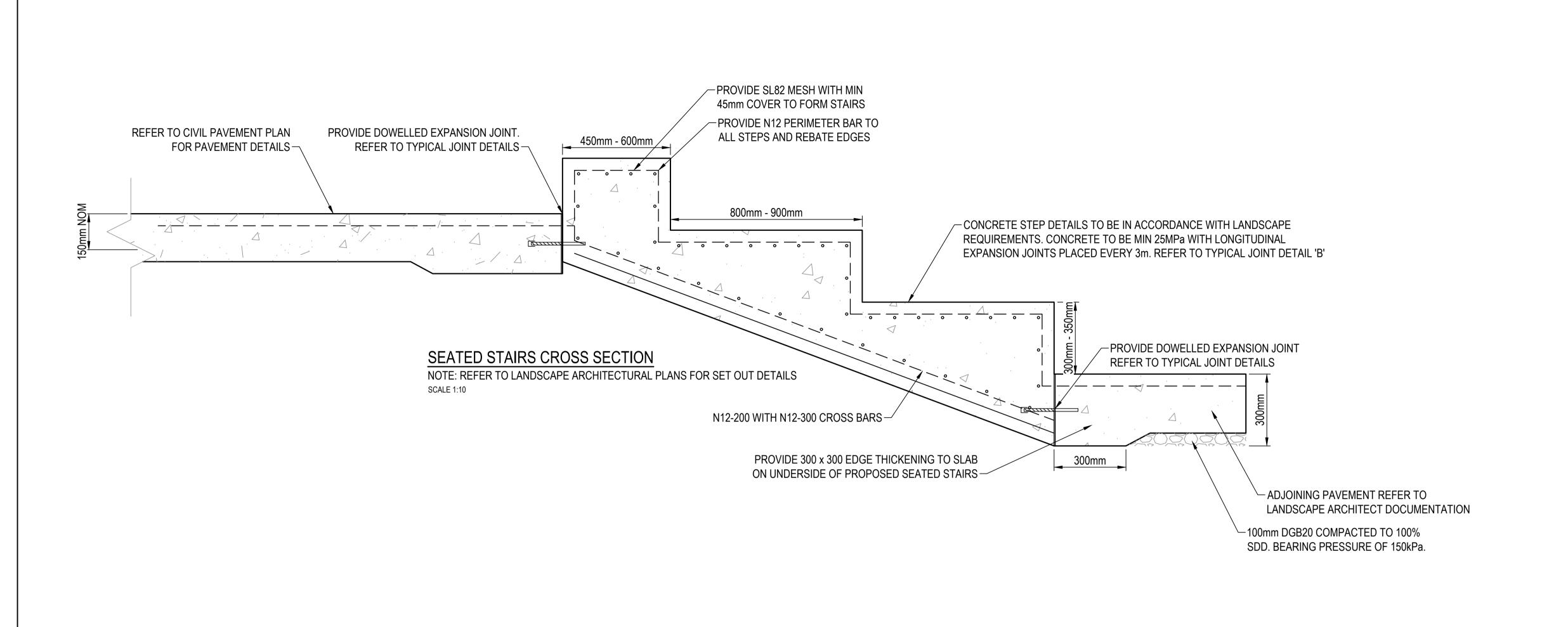
PAVEMENT AS SPECIFIED

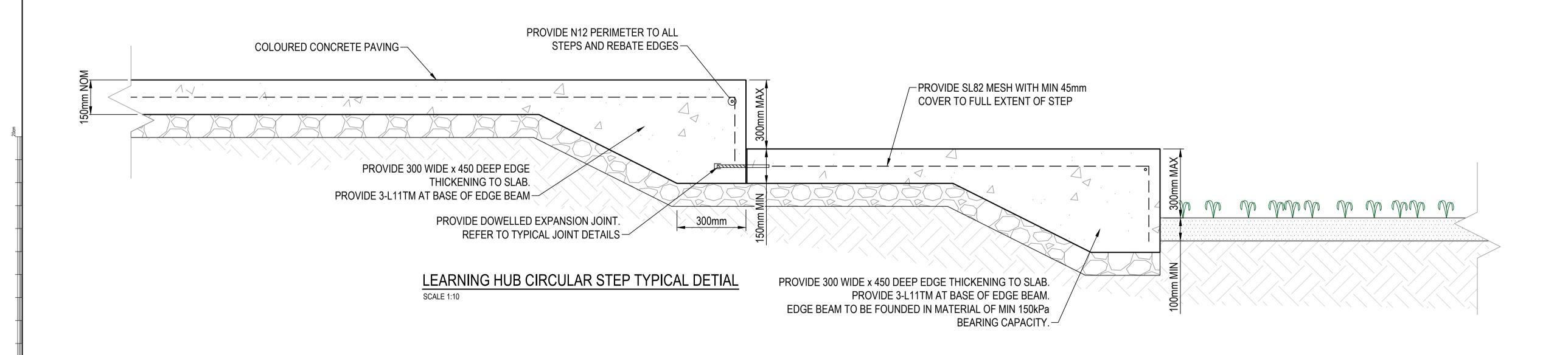
Drawing Title
CIVIL SERVICES
PAVEMENT DETAILS SHEET 1

Scale @ A1 N.T.S. Q.A. Check JPR Date **06.05.24** MDM C209-0201 NS230761

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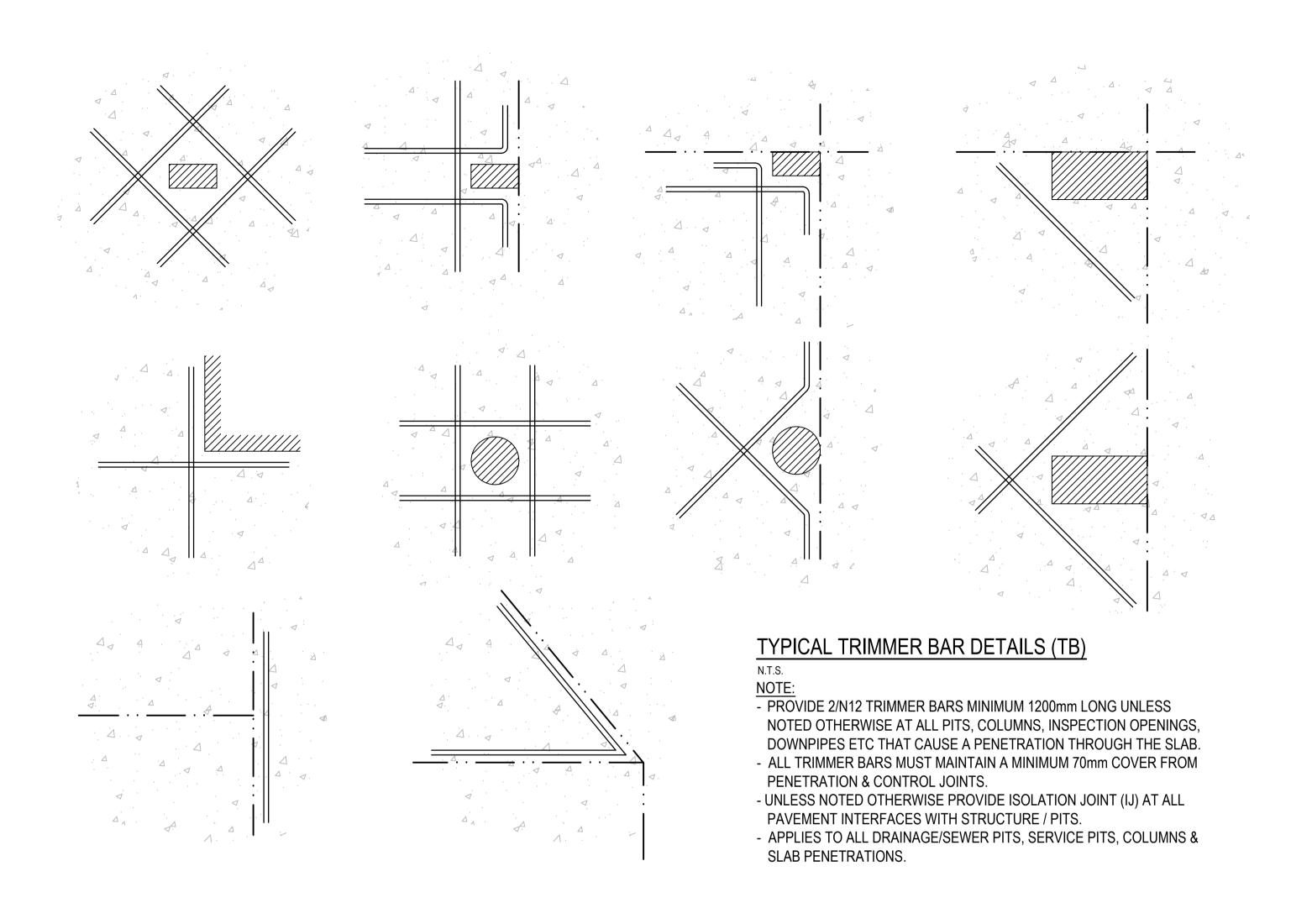
ACOR Consultants Pty Ltd Project The Forum, Level 1 Suite 1 240-244 Pacific Highway Charlestown NSW 2290
T +61 2 4926 4811

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NEWCASTLE HIGH SCHOOL REDEVELOPMENT CONSTRUCTION CERTIFICATE 1 - EARLY WORKS

Drawing Title
CIVIL SERVICES
PAVEMENT DETAILS SHEET 3

Scale @ A1 N.T.S. Q.A. Check JPR Date 06.05.24 Drawn MDM Drawing No. C209-0203 NOT FOR CONSTRUCTION NS230761





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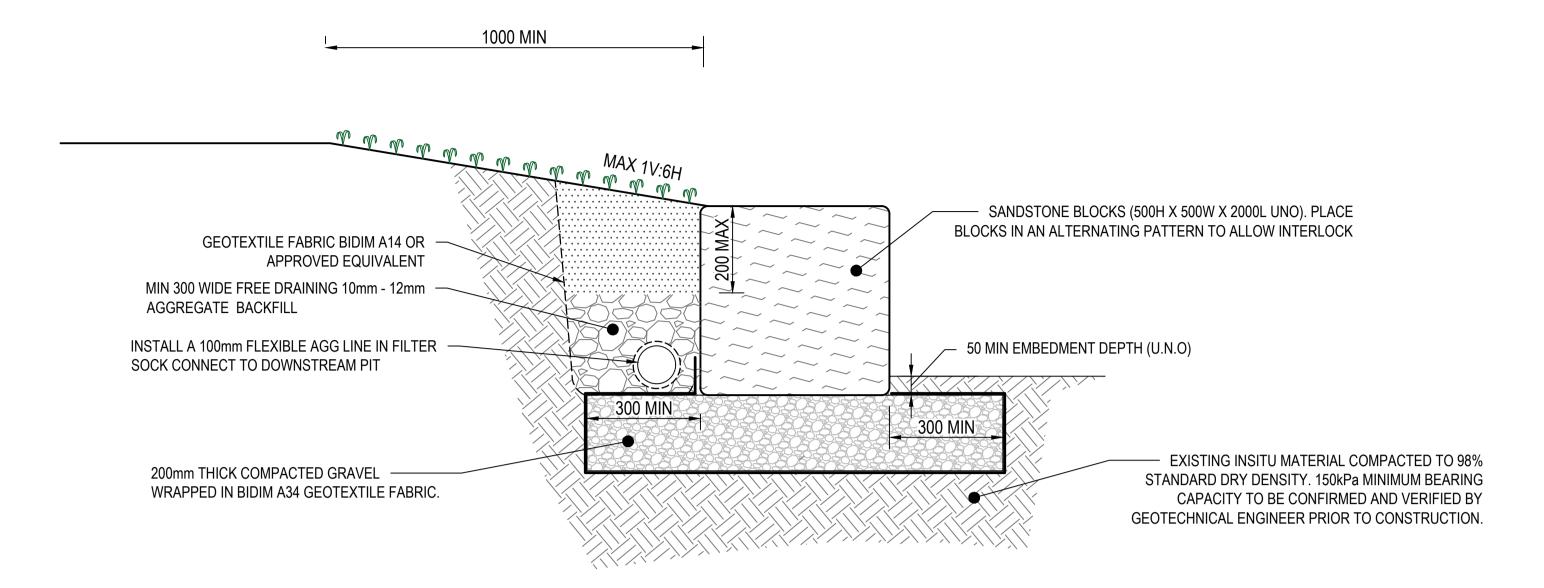


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Project No.	Drawing No.				Issue		
NS230761	C209-0204				Α		



TYPICAL SANDSTONE BLOCK RETAINING

WALL DETAIL - NON RETAINING N.T.S

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Issue. Description 06.05.24 MDM JPR
Date Drawn Approved T: 1300 482 651

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ACOR Consultants Pty Ltd NEWCASTLE HIGH SCHOOL REDEVELOPMENT The Forum, Level 1
Suite 1 240-244 Pacific Highway
Charlestown NSW 2290
T +61 2 4926 4811

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