



LENDLEASE / INSW

HICKSON ROAD UPGRADE - STAGE 3

CIVIL ENGINEERING WORKS

DRAWING SCHEDULE

DRAWING NUMBER	DESCRIPTION
B1D-CD2-000001	COVER SHEET AND DRAWING SCHEDULE
B1D-CD2-000010	SPECIFICATION NOTES - SHEET 01
B1D-CD2-000011	SPECIFICATION NOTES - SHEET 02
B1D-CD2-000020	STAGING CONTEXT PLAN
B1D-CD2-000030	GENERAL ARRANGEMENT PLAN
B1D-CD2-200000	DEMOLITION PLAN - SHEET 01
B1D-CD2-200001	DEMOLITION PLAN - SHEET 02
B1D-CD2-200010	ALIGNMENT CONTROL PLAN AND SETOUT - SHEET 01
B1D-CD2-200011	ALIGNMENT CONTROL PLAN AND SETOUT - SHEET 02
B1D-CD2-200030	EROSION AND SEDIMENTATION CONTROL PLAN - SHEET 01
B1D-CD2-200031	EROSION AND SEDIMENTATION CONTROL PLAN - SHEET 02
B1D-CD2-200035	EROSION AND SEDIMENTATION CONTROL DETAILS
B1D-CD2-200040	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 01
B1D-CD2-200041	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 02
B1D-CD2-200042	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 03
B1D-CD2-200043	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 04
B1D-CD2-200044	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 05
B1D-CD2-200045	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 06
B1D-CD2-200046	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 07
B1D-CD2-200050	BULK EARTHWORKS FILL PLAN - SHEET 01
B1D-CD2-200051	BULK EARTHWORKS FILL PLAN - SHEET 02
B1D-CD2-400001	ROAD TYPICAL CROSS SECTIONS
B1D-CD2-400010	ROAD LONGITUDINAL SECTIONS - SHEET 01
B1D-CD2-400011	ROAD LONGITUDINAL SECTIONS - SHEET 02
B1D-CD2-500001	ROAD CROSS SECTIONS - SHEET 01
B1D-CD2-500002	ROAD CROSS SECTIONS - SHEET 02
B1D-CD2-500003	ROAD CROSS SECTIONS - SHEET 03
B1D-CD2-500004	ROAD CROSS SECTIONS - SHEET 04
B1D-CD2-500005	ROAD CROSS SECTIONS - SHEET 05
B1D-CD2-500006	ROAD CROSS SECTIONS - SHEET 06
B1D-CD2-500007	ROAD CROSS SECTIONS - SHEET 07
B1D-CD2-500020	INTERSECTION PLAN AND KERB RETURN PROFILE - SHEET 01
B1D-CD2-500021	INTERSECTION PLAN AND KERB RETURN PROFILE - SHEET 02
B1D-CD2-500022	INTERSECTION PLAN AND KERB RETURN PROFILE - SHEET 03
B1D-CD2-500023	INTERSECTION PLAN AND KERB RETURN PROFILE - SHEET 04
B1D-CD2-500050	MEDIAN ISLAND PLAN AND KERB PROFILES - SHEET 01
B1D-CD2-500051	MEDIAN ISLAND PLAN AND KERB PROFILES - SHEET 02
B1D-CD2-500052	MEDIAN ISLAND PLAN AND KERB PROFILES - SHEET 03
B1D-CD2-500053	MEDIAN ISLAND PLAN AND KERB PROFILES - SHEET 04
B1D-CD2-500054	MEDIAN ISLAND PLAN AND KERB PROFILES - SHEET 05
B1D-CD2-500055	MEDIAN ISLAND PLAN AND KERB PROFILES - SHEET 06
B1D-CD2-500056	MEDIAN ISLAND PLAN AND KERB PROFILES - SHEET 07
B1D-CD2-600001	PAVEMENT PLAN - SHEET 01
B1D-CD2-600002	PAVEMENT PLAN - SHEET 02
B1D-CD2-600003	JOINTING PLAN - SHEET 01
B1D-CD2-600004	JOINTING PLAN - SHEET 02
B1D-CD2-600005	RAISED PEDESTRIAN CROSSINGS PLAN AND DETAILS
B1D-CD2-600010	SIGNAGE AND LINEMARKING PLAN - SHEET 01
B1D-CD2-600011	SIGNAGE AND LINEMARKING PLAN - SHEET 02
B1D-CD2-600020	SERVICES COORDINATION PLAN - SHEET 01
B1D-CD2-600021	SERVICES COORDINATION PLAN - SHEET 02
B1D-CD2-600030	SYDNEY WATER ASSET ADJUSTMENTS - SHEET 01
B1D-CD2-600031	SYDNEY WATER ASSET ADJUSTMENTS - SHEET 02
B1D-CD2-600040	UTILITIES ADJUSTMENT PLAN - SHEET 01
B1D-CD2-600041	UTILITIES ADJUSTMENT PLAN - SHEET 02
B1D-CD2-600042	UTILITIES ADJUSTMENT PLAN - SHEET 03
B1D-CD2-600050	UTILITY TYPICAL CROSS SECTIONS - SHEET 01
B1D-CD2-600051	UTILITY TYPICAL CROSS SECTIONS - SHEET 02
B1D-CD2-600052	UTILITY TYPICAL CROSS SECTIONS - SHEET 03
B1D-CD2-700001	SITEWORKS DETAILS - SHEET 01
B1D-CD2-700002	SITEWORKS DETAILS - SHEET 02

B1D-CD2-700008	SMART POLE DETAILS
B1D-CD2-700010	STORMWATER LONGITUDINAL SECTIONS - SHEET 01
B1D-CD2-700011	STORMWATER LONGITUDINAL SECTIONS - SHEET 02
B1D-CD2-700020	STORMWATER DETAILS - SHEET 01
B1D-CD2-700021	STORMWATER DETAILS - SHEET 02
B1D-CD2-700022	STORMWATER DETAILS - SHEET 03
B1D-CD2-700023	STORMWATER DETAILS - SHEET 04
B1D-CD2-700030	INTERNAL STORMWATER CATCHMENT PLAN
B1D-CD2-700040	EXTERNAL STORMWATER CATCHMENT PLAN
B1D-CD2-700050	TURN PATH PLAN - SHEET 01
B1D-CD2-700051	TURN PATH PLAN - SHEET 02
B1D-CD2-900001	SAFETY IN DESIGN

7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.

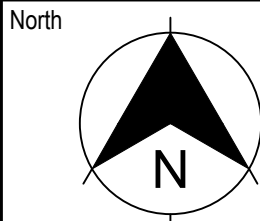
Client



we are **insw** Infrastructure
New South Wales



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Scale 1:4000	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date 10/20/2023	Project Number/Drawing Number B1D-CD2-000001
Size A1	Revision 7
Datum MGA 2020	

SURVEY

1. ORIGIN OF SURVEY
- PROJECT: AU213009952-DT-001 DATE: 08/09/2023
CARRIED OUT BY: RPS AUSTRALIA EAST PTY LTD
2. THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN SUPPLIED BY REGISTERED SURVEYORS TO PROVIDE A BASIS FOR DESIGN. THE USE OF THIS SURVEY BASE DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
3. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT THE SUPERINTENDENT.
4. THE RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES ARE DIAGRAMMATIC ONLY. WHERE DISTANCES TO BOUNDARIES ARE CRITICAL THEY SHOULD BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION BY FURTHER SURVEY.

GENERAL NOTES

1. DO NOT OBTAIN DIMENSIONS BY SCALING THE DRAWINGS. ALL DIMENSIONS ARE IN METRES (M) AND ALL LEVELS ARE IN METRES (m), UNO. ALL LEVEL ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
2. ALL WORK SHALL MEET THE CURRENT CITY OF SYDNEY, SYDNEY STREET TECHNICAL SPECIFICATIONS.
3. ALL HOLD AND WITNESS POINTS DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH ABOVE TECHNICAL SPECIFICATION.

TELSTRA - DUTY OF CARE NOTE

TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE. THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME, DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY. THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY ITS LOCATION. TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO ITS PROPERTY AND LOSSES CAUSED TO TELSTRA AND ITS CUSTOMERS.

SERVICES LEGEND

EXISTING ELECTRICAL	———— e ————
HIGH VOLTAGE ELECTRICAL	———— hv ————
OVERHEAD ELECTRICAL	———— e o/h ————
COMMUNICATIONS	———— c ————
OPTIC FIBRE	———— of ————
OPTUS	———— op ————
TELSTRA	———— tc ————
SEWER	———— s ————
SEWER RISING MAIN	———— srm ————
GAS	———— g ————
HIGH PRESSURE GAS	———— g h/p ————
WATER	———— w ————

EXISTING SERVICES

1. ALL UTILITY SERVICES INDICATED ON THE DRAWINGS ORIGINATE FROM SUPPLIED DATA, THEREFORE THEIR ACCURACY AND COMPLETENESS IS NOT GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND CONFIRM THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
2. CARE TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER ALL LIVE SERVICES. HAND EXCAVATION ONLY IN THESE AREAS.
3. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING SERVICES THAT ARE TO BE RETAINED IN THE VICINITY OF THE PROPOSED WORKS. ANY AND ALL DAMAGE TO THESE SERVICES AS A RESULT OF THESE WORKS SHALL BE REPAIRED BY THE CONTRACTOR UNDER THE DIRECTION OF THE SUPERINTENDENT, AND AT NO EXTRA COST.
4. THE CONTRACTOR SHALL ALLOW IN THE PROGRAM FOR ADJUSTMENT (IF REQUIRED) OF EXISTING SERVICES IN AREAS AFFECTED BY WORKS.
5. THE CONTRACTOR SHALL ALLOW IN THE PROGRAM FOR THE CAPPING OFF, EXCAVATION AND REMOVAL (IF REQUIRED) OF EXISTING SERVICES IN AREAS AFFECTED BY WORKS UNLESS DIRECTED OTHERWISE ON THE DRAWINGS OR BY THE SUPERINTENDENT.
6. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
7. PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF THE PROGRAM FOR THE RELOCATION AND/OR CONSTRUCTION OF TEMPORARY SERVICES AND FOR ANY ASSOCIATED INTERRUPTION OF SUPPLY.
8. THE 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.
9. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION A THOROUGH SEARCH OF ALL SERVICE AUTHORITIES SHOULD BE MADE TO DETERMINE THE POSSIBLE LOCATION OF ANY FURTHER UNDERGROUND SERVICES.
10. AUTHORITY PLANS GENERALLY SHOW ONLY THE PRESENCE OF CABLES AND PLANT AND DO NOT WARRANT OR GUARANTEE THAT SUCH PLANS ARE ACCURATE. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY. THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR EXISTING SERVICES AND PLANT. BEFORE USING MACHINE EXCAVATORS SERVICES MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY ITS LOCATION.
11. THE CONTRACTOR IS TO UNDERTAKE A DIAL-BEFORE-YOU-DIG SEARCH PRIOR TO ANY EXCAVATION AND MAINTAIN A CURRENT SET ON-SITE DURING EXCAVATION WORKS.
12. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE. ENSPIRE SOLUTIONS CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.
13. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS. CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.
14. UTILITIES POTHOLING AND GROUND PENETRATION RADAR HAS NOT BEEN COMPLETED PRIOR TO ISSUE OF 80% DESIGN IFT ISSUE. EXISTING WORKS AS EXECUTED PLANS AND BEFORE YOU DIG INFORMATION HAS BEEN USED TO CONCEPTUALLY COORDINATE EXISTING AND PROPOSED SERVICES. PRIOR TO THE RELEASE OF 100% IFC DOCUMENTATION SERVICES INVESTIGATION MUST BE COMPLETED. CONFIRMATION OF ALL EXISTING SERVICES LOCATIONS TO BE UNDERTAKEN PRIOR TO COMMENCEMENT OF CONSTRUCTION.



EARTHWORKS

1. AT THE COMMENCEMENT OF THE CUT AND FILLING OPERATIONS FOR BULK EARTHWORKS A GEOTECHNICAL ENGINEER IS TO VISIT THE SITE & CONFIRM THE SUITABILITY OF THE METHODOLOGY OF ACHIEVING THE REQUIRED BUILDING PLATFORMS AND COMPACTION REQUIREMENTS. SUBSEQUENTLY, THE HEAD CONTRACTOR IS TO CONFIRM, IN WRITING TO THE SUPERINTENDENT THAT THE METHODOLOGY APPROVED AT THE TIME OF THE GEOTECHNICAL ENGINEERS VISIT WAS MAINTAINED DURING ALL THE BULK EARTHWORKS PROCESS.
2. STRIP TOPSOIL, ORGANIC MATTER AND RUBBLE FROM CONSTRUCTION AREA TO EXPOSE NATURALLY OCCURRING MATERIAL AND STOCKPILE ON SITE AS DIRECTED BY THE SUPERINTENDENT.
3. WHERE FILLING, STRUCTURAL SLABS OR PAVEMENTS ARE REQUIRED, PROOF ROLL THE EXPOSED NATURAL SURFACE WITH A MINIMUM OF TEN PASSES OF A SMOOTH DRUM NON-VIBRATING ROLLER (MINIMUM STATIC WEIGHT OF 10 TONNES) TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER) IN THE PRESENCE OF THE SUPERINTENDENT. THE CONTRACTOR IS TO ALLOW TO REMOVE AND REPLACE A PROVISIONAL QUANTITY OF UNSUITABLE SUBGRADE MATTER.
4. ALL SOFT, WET OR UNSUITABLE MATERIAL IS TO BE REMOVED AS DIRECTED BY THE SUPERINTENDENT AND REPLACED WITH APPROVED MATERIAL SATISFYING THE REQUIREMENTS LISTED BELOW.
5. EXCAVATED MATERIAL IS NOT TO BE USED AS STRUCTURAL FILL UNLESS APPROVED BY THE GEOTECHNICAL ENGINEER.
6. THE CONTRACTOR IS TO PROVIDE CERTIFICATES VERIFYING THE QUALITY OF IMPORTED MATERIAL FOR THE SUPERINTENDENTS APPROVAL.
7. ALL FILL MATERIAL SHALL BE PLACED IN MAXIMUM LAYER THICKNESS TO COUNCIL SPECIFICATIONS AND COMPACTED AT OPTIMUM MOISTURE CONTENT (+ OR - 2%) TO ACHIEVE A DRY DENSITY DETERMINED IN ACCORDANCE WITH AS1289 E3.1 OF NOT LESS THAN THE FOLLOWING STANDARD MINIMUM DRY DENSITY IN ACCORDANCE WITH AS1289 E5.1.1.1:

LOCATION	COMPACTION REQUIREMENT
UNDER BUILDING SLABS	98% SMD
LANDSCAPED AREAS	95% SMD
ROADS & PAVED AREAS	100% SMD
8. FOR NON COHESIVE MATERIAL, COMPACT TO NOT LESS THAN

UNDER ROAD	80% DENSITY
OTHER AREA	75% DENSITY
9. THE CONTRACTOR IS TO ALLOW FOR COMPACTION TESTING BY NATA REGISTERED LABORATORY FOR PLATFORMS AND FILL LAYERS IN ACCORDANCE WITH THE LATEST VERSION OF AS3798 - FOR TYPE 1 OPERATIONS (MINIMUM 3 TESTS PER LAYER).
10. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN:

A.	1 TEST PER 200m ³ OF FILL PLACED PER LAYER OF FILL
B.	3 TESTS PER VISIT
C.	1 TEST PER 1000m ² OF EXPOSED SUBGRADE
11. TESTING SHALL BE "LEVEL 1" UNDERTAKEN IN ACCORDANCE WITH AS 3798.
12. WHERE TEST RESULTS ARE BELOW THE SPECIFIED COMPACTION, RECOMPACT AND RETEST UNTIL SPECIFIED COMPACTION STANDARD IS ACHIEVED.
13. ALLOW FOR EXCAVATION IN ALL MATERIALS AS FOUND U.N.O. NO ADDITIONAL PAYMENTS WILL BE MADE FOR EXCAVATION IN WET OR HARD GROUND.
14. REFER TO THE SITE SPECIFIC GEOTECHNICAL REPORT (PREPARED BY TETRA TECH COFFEY, REF: SYDGE310822-GDS, REV 1, DATED: 19 SEPTEMBER 2023) FOR DESKTOP STUDY FINDINGS ON EXISTING GROUND CONDITIONS AND PREVIOUS REMEDIATION WORKS. A DETAILED GEOTECHNICAL STUDY AND REPORT IS TO BE PREPARED AS PART OF THE NEXT PHASE OF DETAILED DESIGN (100%) AND WILL NOMINATE GENERAL REQUIREMENTS FOR SITE PREPARATION, WASTE CLASSIFICATION, PAVEMENT DESIGN AND MATERIAL RE-USE.
15. THE CONTRACTOR SHALL PROGRAM THE EARTHWORKS OPERATION SO THAT THE WORKING AREAS ARE ADEQUATELY DRAINED DURING THE PERIOD OF CONSTRUCTION. THE SURFACE SHALL BE GRADED AND SEALED OFF TO REMOVE DEPRESSIONS, ROLLER MARKS AND SIMILAR WHICH WOULD ALLOW WATER TO POND AND PENETRATE THE UNDERLYING MATERIAL. ANY DAMAGE RESULTING FROM THE CONTRACTOR NOT OBSERVING THESE REQUIREMENTS SHALL BE RECTIFIED AT THEIR COST.
16. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE AND MAINTAIN THE INTEGRITY OF ALL SERVICES, CONDUITS AND PIPES DURING CONSTRUCTION, SPECIFICALLY DURING THE BACKFILLING AND COMPACTION PROCEDURE. ANY AND ALL DAMAGE TO NEW OR EXISTING SERVICES AS A RESULT OF THESE WORKS SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXTRA COST.
17. PROTECT FINAL SURFACE WITH EITHER A TEMPORARY LOOSE SOIL LAYER OR A GRANULAR SUB-BASE LAYER TO PREVENT DRYING OUT PRIOR TO ON-GROUND SLAB CONSTRUCTION.

EROSION AND SEDIMENT CONTROL

GENERAL INSTRUCTIONS

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONTROL OF EROSION AND SEDIMENTATION TO THE SATISFACTION OF COUNCIL, NSW OFFICE OF WATER, DEPARTMENT OF PLANNING, HOUSING AND INFRASTRUCTURE. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE DRAWINGS SHALL ONLY BE USED AS A GUIDE BY THE CONTRACTOR, AND SHALL REPRESENT THE MINIMUM REQUIREMENT ONLY.
2. THE CONTRACTOR SHALL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED TO SUIT CONSTRUCTION STAGING AND WORK PRACTICES OR AS OTHERWISE DIRECTED BY THE SUPERINTENDENT. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH

a.	LOCAL AUTHORITY REQUIREMENTS
b.	EPA REQUIREMENTS
c.	LANDCOM MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERRECTED AROUND PITS.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:

a.	INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
b.	CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
c.	INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
d.	UNDERTAKEN SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

EROSION CONTROL

7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
8. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSTREAM WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
10. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
11. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
12. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.
13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH SECTION 4 OF AS4970 "PROTECTION OF TREES ON DEVELOPMENT SITES" AND COUNCIL CONSENT CONDITIONS.

SITEWORKS

1. ALL WORKS TO BE IN ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS, SPECIFICATIONS AND AUSTRALIAN STANDARDS. CONFLICTS SHALL BE REFERRED TO THE SUPERINTENDENT FOR DIRECTION.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO THE SUPERINTENDENT.
3. THE CONTRACTOR IS TO DESIGN, OBTAIN APPROVALS AND CARRY OUT REQUIRED TEMPORARY TRAFFIC CONTROL PROCEDURES DURING CONSTRUCTION IN ACCORDANCE WITH TNSW AND LOCAL AUTHORITY REGULATIONS AND REQUIREMENTS.
4. THE CONTRACTOR IS TO OBTAIN ALL AUTHORITY APPROVALS AS REQUIRED.
5. RESTORE ALL PAVED, COVERED, GRASSED AND LANDSCAPED AREAS TO THEIR ORIGINAL CONDITION ON COMPLETION OF WORKS.
6. ON COMPLETION OF ANY TRENCHING WORKS, ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL, GRASSED AREAS AND ROAD PAVEMENTS.
7. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO LODGMET OF TENDER AND ON SITE WORKS. THE PRICE AS TENDERED SHALL BE INCLUSIVE OF ALL WORKS SHOWN ON THE TENDER PROJECT DRAWINGS. ADDITIONAL PAYMENTS FOR WORKS SHOWN ON THE TENDER PROJECT DRAWINGS WILL NOT BE APPROVED.
9. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS AND SPECIFICATIONS, AND ANY OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED RELATING TO DEVELOPMENT OF THE SUBJECT SITE.
10. THESE PLANS SHALL BE READ IN CONJUNCTION WITH ALL APPROVED DRAWINGS AND SPECIFICATIONS PREPARED BY OTHER PROJECT CONSULTANTS.
11. DO NOT OBTAIN DIMENSIONS BY SCALING THE DRAWINGS. ALL DIMENSIONS ARE IN MILLIMETERS (mm) AND ALL LEVELS ARE IN METRES (m), UNO. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
12. IN CASE OF DOUBT OR DISCREPANCY REFER TO THE SUPERINTENDENT FOR CLARIFICATION OR CONFIRMATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. OTHERWISE THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REMEDIATION WORKS.
13. WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
14. THE CONTRACTOR SHALL COMPLY WITH ALL STATUTORY AND INDUSTRIAL REQUIREMENTS FOR PROVISION OF A SAFE WORKING ENVIRONMENT INCLUDING TRAFFIC CONTROL.
15. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES ACCESS TO ALL BUILDINGS ADJACENT THE WORKS IS NOT DISRUPTED.
16. WHERE NECESSARY THE CONTRACTOR SHALL PROVIDE SAFE PASSAGE OF VEHICLES AND/OR PEDESTRIANS THROUGH OR BY THE SITE.
17. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.
18. ALL VARIATIONS TO SPECIFIED PRODUCTS OR DESIGNS SHALL BE REFERRED TO THE DESIGN ENGINEER IN WRITING FOR APPROVAL.
19. EPA AND COUNCIL REQUIREMENTS MUST BE ADHERED TO REGARDING THE LEVEL OF NOISE AND WORKING HOURS, TO ENSURE THAT RESIDENTS AND OTHER APPLICABLE NEIGHBOURS TO THE SITE ARE NOT DISTURBED UNREASONABLY. THE GENERATION OF NOISE MUST BE MINIMISED.
20. DILAPIDATION REPORT FOR EXISTING STRUCTURES AND ADJACENT BUILDINGS REQUIRED.

710/11/2025ISSUED FOR 80% IFT / REF 67/10/2025ISSUED FOR CLIENT REVIEW 527/08/2025ISSUED FOR COORDINATION 44/04/2024ISSUED FOR 80% IFT / REF 322/03/2024ISSUED FOR PRELIMINARY COSTING 223/01/202460% RE-ISSUED FOR COORDINATION 120/10/202360% ISSUED FOR COORDINATION SWEZMKHMTL MDHMTLRLMKHMTL MDHMTLMDHHD CBHD DRNDESVERIFAPPD										Client lendlease we are insw Infrastructure New South Wales										Scale North enspire Enspire Solutions Pty Ltd Level 7, 54 Miller Street, North Sydney NSW 2060 ABN: 71 624 801 690 Phone: 02 9922 6135 enspiresolutions.com.au										Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS Title SPECIFICATION NOTES SHEET 01										Scale N.T.S Date 10/20/2023 Datum MGA 2020										Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION Project Number/Drawing Number B1D-CD2-000010 Revision 7									
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STORMWATER DRAINAGE

1. STORMWATER DESIGN CRITERIA:
(A) AVERAGE RECURRENCE INTERVAL (ARI):

THE PIT AND PIPE NETWORK HAS BEEN SIZED TO CATER FOR ALL STORM EVENTS UP TO AND INCLUDING THE 100YR ARI EVENT. NO ULTIMATE OVERLAND FLOW PATH IS AVAILABLE TO CONVEY FLOWS TO DARLING HARBOUR.

(B) RAINFALL INTENSITIES:
ARR 1987 RAINFALL FROM BUREAU OF METEOROLOGY WEBSITE.
(C) HYDROLOGIC METHOD:
DRAINS
2. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 AND AS/NZS 3500 3.2.
3. PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC (CLASS SN4) WITH SOLVENT WELDED JOINTS.
4. PIPES 375 DIA. AND LARGER TO BE REINFORCED CONCRETE MIN CLASS '4' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
5. ALL PIPES ARE TO BE LAID AT (min) 0.5% GRADE U.N.O.
6. ALL PIPES ARE TO BE UNIFORMLY SUPPORTED ALONG THE LENGTH OF THE BARREL BY SUITABLE FILL MATERIAL. REFER CITY OF SYDNEY COUNCIL STANDARD DRAWING 1.1.16 AND THE CITY OF SYDNEY STANDARD 7.1.9 FOR DETAILS.
7. PIPES WITH SOCKETS SHALL BE LAID IN BEDDING WHERE SUITABLE RECESSES HAVE BEEN PROVIDED TO ENSURE PIPES DO NOT BEAR ON THEIR SOCKETS.
8. PIPES TO BE INSTALLED TO TYPE HS3 SUPPORT IN ACCORDANCE WITH AS 3725 IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 (OR A DENSITY INDEX OF NOT LESS THAN 75).
9. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
10. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
11. WHERE WORKING METHODS REQUIRE HIGHER CLASS PIPE, THE CONTRACTOR SHALL REFER TO AS 3725 TO DETERMINE THE APPROPRIATE PIPE CLASS. ANY CHANGES IN PROPOSED PIPE CLASS SHALL BE SUBMITTED TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO INSTALLATION.
12. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
13. PRECAST PITS MAY BE USED SUBJECT TO WRITTEN APPROVAL BY THE SUPERINTENDENT AND THE CITY OF SYDNEY COUNCIL.
14. ALL PIPE PENETRATIONS (EXISTING, IN-SITU AND PRECAST) ARE TO BE FINISHED FLUSH WITH THE INTERNAL PIT WALL AND PROPERLY SEALED WITH CEMENT RENDER. MASS CONCRETE BENCHING IS TO BE INSTALLED TO ALL STORMWATER PITS AS PER 'CITY OF SYDNEY COUNCIL' STANDARDS AND SPECIFICATIONS. A LOCKABLE HINGED GRATE AND FRAME WITH CONCRETE SURROUND IS TO BE INSTALLED U.N.O.
15. COVERS
A. ALL COVERS AND GRATES TO BE POSITIONED IN A FRAME AND MANUFACTURED AS A UNIT.
B. ALL COVERS AND GRATES TO BE FITTED WITH POSITIVE COVER LIFTING KEYS.
C. OBTAIN SUPERINTENDENT'S APPROVAL FOR THE USE OF DUCTILE IRON SOLID COVERS AND GRATES. DUCTILE IRON SOLID COVERS (IF APPROVED) TO CONSIST OF CROSS-WEBBED, CELLULAR CONSTRUCTION WITH THE RIBS UPPERMOST TO ALLOW INFILLING WITH CONCRETE. INSTALL POSITIVE COVER LIFTING KEYS AND PLASTIC PLUGS.
D. UNLESS DETAILED OR SPECIFIED OTHERWISE COVERS AND GRATES ARE TO BE CLASS 'D' DUCTILE IRON BICYCLE TYRE PENETRATION RESISTANT, IN ACCORDANCE WITH CLAUSE 3.3.6 OF AS3996.
16. NOTE THAT THE PIT COVER LEVEL NOMINATED IN GUTTERS ARE TO THE INVERT OF THE GUTTER WHICH IS 40mm LOWER THAN THE PAVEMENT LEVEL AT LIP OF GUTTER.
17. Ø100mm SUB-SOIL DRAINAGE LINES SHALL BE CONNECTED TO A STORMWATER DRAINAGE PIT AND PROVIDED IN THE FOLLOWING LOCATIONS:
A. ADJACENT ALL TRAFFICKED AND CARPARK PAVEMENT AREAS (BEHIND KERB).
B. ALL PLANTER AND TREE BEDS PROPOSED ADJACENT TO PAVEMENT AREAS.
C. BEHIND RETAINING WALLS (IN ACCORDANCE WITH DRAWINGS);
D. BELOW ALL TRAFFICABLE DISH DRAINS;
E. ALL OTHER AREAS SHOWN ON THE DRAWINGS.
18. THE CONTRACTOR SHALL INSTALL FLUSHING POINTS TO ALL SUBSOIL DRAINAGE LINES AND DOWNPIPE LINES AS SPECIFIED ON DRAWINGS, AND AT 30m CENTRES, AND UPSTREAM END OF DRAINAGE LINE TO COUNCIL SPECIFICATION.
19. PROVIDE 3.0m LENGTH OF Ø100 SUBSOIL DRAINAGE PIPE WRAPPED IN A NON-WOVEN GEOTEXTILE FABRIC, TO THE UPSTREAM SIDE OF STORMWATER PITS, LAID IN STORMWATER PIPE TRENCHES AND CONNECTED TO THE DRAINAGE PIT.
20. SUBSOIL TRENCHES SHALL BE BACKFILLED WITH SINGLE SIZED 10mm BLUE METAL WRAPPED IN NON-WOVEN GEOTEXTILE FABRIC. SUBSOIL TRENCHES BELOW TRAFFICABLE PAVEMENTS SHALL BE BACKFILLED WITH NO FINES CONCRETE WRAPPED IN NON-WOVEN GEOTEXTILE FABRIC, U.N.O.

STORMWATER DRAINAGE (CONT.)

21. ALL RECTANGULAR HOLLOW SECTIONS (RHS) SPECIFIED AS STORMWATER CONDUITS TO BE HOT DIPPED GALVANISED AND HAVE (MINIMUM) 5mm WALL THICKNESS.
22. ALL BOX CULVERTS SHALL BE STRUCTURALLY DESIGNED BY THE MANUFACTURER AND DELIVERED TO SITE AS FIT FOR PURPOSE.
23. ELECTRICAL PITS ARE TO DRAIN TO THE NEAREST STORMWATER PIT WITH VERMIN PROOF NON-RETURN FLAP VALVES AS REQUIRED. THE CONTRACTOR IS TO CONFIRM WITH THE ELECTRICAL DESIGNER AS PART OF THE TENDER.
24. THE CONTRACTOR SHALL ENSURE AND PROTECT THE INTEGRITY OF ALL STORMWATER PIPES DURING CONSTRUCTION. ANY AND ALL DAMAGE TO THESE PIPES AS A RESULT OF THESE WORKS SHALL BE REPAIRED BY THE CONTRACTOR UNDER THE DIRECTION OF THE SUPERINTENDENT, AND AT NO EXTRA COST.
25. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
26. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS, ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.
27. ANY VARIATION TO SPECIFIED PRODUCTS OR DETAILS SHALL BE REFERRED TO THE SUPERINTENDENT FOR APPROVAL.
28. STRUCTURAL REVIEW AND ON-SITE INSPECTION OF ALL EXISTING PITS THAT ARE PROPOSED TO BE MODIFIED WILL BE REQUIRED PRIOR TO CONSTRUCTION TO CONFIRM STRUCTURAL INTEGRITY WITH REVISED LOADS.

KERBS

1. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 150mm (MIN) MASS CONCRETE FOOTING IN ACCORDANCE WITH CITY OF SYDNEY STANDARD DRAWING 1.1.1.
2. EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE FOAM FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE WITH POLYURETHANE SEALANT SMOOTH AND RECESSED. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AS SPECIFIED BY COUNCIL EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
3. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AS SPECIFIED BY COUNCIL EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE OR IN ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS.
5. IN THE REPLACEMENT OF KERB AND GUTTER - EXISTING ROAD PAVEMENT IS TO BE SAWCUT 600mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 600mm WIDE U.N.O.

SIGNAGE AND LINE MARKING

1. LINE MARKING AND PAINT SHALL BE IN ACCORDANCE WITH AS 2700 AND AS 4049 AND TNSW SPECIFICATIONS.
2. ALL PAINT SHALL BE APPLIED BY MECHANICAL SPRAYER.
3. LINE MARKING SHALL BE SPOTTED OUT AND APPROVED PRIOR TO SPRAYING.
4. PAINT SHALL BE APPLIED AT A WET THICKNESS OF BETWEEN 0.35mm TO 0.40mm.
5. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED ALL SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARDS.
6. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
7. PROVIDE RETRO-REFLECTORISED PAVEMENT MARKERS TO COUNCIL AND TNSW. REQUIREMENTS.
8. ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES ARE TO BE YELLOW.
9. CARPARK LINEMARKING PAINT SHALL BE TYPE 3, CLASS A, AND THE COLOUR SHALL BE WHITE AND NOT DISCOLOURED BY BITUMEN. EACH LINE SHALL BE 80mm WIDE.
10. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE TNSW. REGULATORY SIGNS MANUAL.
11. RELOCATE OR REMOVE EXISTING SIGNS AS REQUIRED.
12. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.

PAVEMENTS

1. ALL PAVEMENT MATERIALS SHALL COMPLY WITH CURRENT TNSW SPECIFICATIONS. PROVIDE MECHANICAL ANALYSIS FOR EACH BATCH OF PAVEMENT MATERIAL TO ENSURE CONFORMITY.
2. COMPACTION STANDARDS:
A) BASE: 98% MODIFIED MAXIMUM DRY DENSITY
B) SUBBASE: 95% MODIFIED MAXIMUM DRY DENSITY
3. THE CONTRACTOR SHALL CONFIRM THE DESIGN CBR WITH A MINIMUM OF 3 TESTS TAKEN AT SUBGRADE LEVEL. WHERE DISCREPANCY IS FOUND, CONTACT THE SUPERINTENDENT.
4. ALLOW FOR COMPACTION TESTING BY NATA REGISTERED LABORATORY FOR: BASE LAYER, SUBBASE LAYER, SUBGRADE IN ACCORDANCE WITH THE LATEST VERSION OF AS3798 FOR PAVEMENTS. ALLOW FOR AT LEAST TWO SUCCESSFUL COMPACTION TESTS IN EACH LAYER.
5. MATCH NEW PAVEMENT LAYERS NEATLY AND FLUSH WITH EXISTING WHERE REQUIRED.
6. KEY NEW BASE AND SUBBASE LAYERS INTO EXISTING WITH 200mm WIDE STEPS. ASPHALTIC CONCRETE WEARING COURSE IS TO EXTEND 200mm (MIN) PAST BASECOURSE INTERFACE.
7. TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MIN 50mm IN BITUMINOUS PAVING.
8. ALL ASPHALTIC CONCRETE (AC) WORK TO BE PREPARED AND CARRIED OUT IN ACCORDANCE WITH GOOD ASPHALTIC PAVING PRACTICE AS DESCRIBED IN AS2734 'ASPHALT (HOT-MIXED) PAVING - GUIDE TO GOOD PRACTICE' AND CURRENT TNSW SPECIFICATIONS (R116).
9. WHERE NOMINATED, THE CONTRACTOR SHALL ALLOW FOR ALL COMPONENTS OF PROPRIETARY JOINTING SYSTEMS INCLUDING FIXING, TEMPLATES & PEGGING TO ENSURE THAT ALL DOWEL BARS REMAIN IN THE CORRECT ALIGNMENT AND POSITION.
10. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH TNSW. SPECIFICATION 3051, COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m³ OF BASECOURSE MATERIAL PLACED.
11. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH TNSW. SPECIFICATION 3051, AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m³ OF SUB-BASE COURSE MATERIAL PLACED.
12. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (11) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH TNSW. SPECIFICATION 3051 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF THE COUNCIL ENGINEER.
13. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.

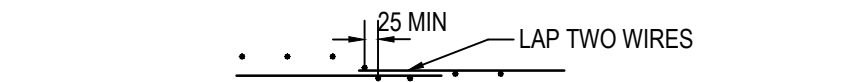
CONCRETE

1. THIS SECTION REFERS TO CIVIL CONCRETE WORKS AND DOES NOT INCLUDE BUILDINGS OR BRIDGE STRUCTURES.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
3. CONCRETE QUALITY:
ALL REQUIREMENTS OF THE CURRENT AS3600 CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F _c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE	MAX 56 DAY DRYING SHRINKAGE
KERBS	25	60	20	650um
FOOTPATH BASE SLABS	32	80	20	650um
VEHICULAR BASE SLABS	40	80	20	500um
PITS	40	80	20	500um

4. CONCRETE PROPERTIES FOR SLABS AND BEAMS SHALL BE VARIED FROM NORMAL CLASS AS FOLLOWS:
A. MINIMUM CEMENT CONTENT 250kg/m³
B. MAXIMUM 56 DAY SHRINKAGE STRAIN = AS NOMINATED ABOVE
C. 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. CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
6. PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.
7. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY THE DESIGN ENGINEER.
8. CLEAR CONCRETE COVERS SHALL BE (UNO):
ENVIRONMENTCOVER
A. SURFACES OF MEMBERS CAST AGAINST, AND IN CONTACT WITH THE GROUND50mm
B. SURFACES OF MEMBERS CAST AGAINST, AND IN CONTACT WITH THE GROUND SEPARATED BY MEMBRANE40mm
C. SURFACES OF MEMBERS IN ABOVE GROUND EXTERIOR ENVIRONMENTS40mm
D. SURFACES OF MEMBERS IN INTERIOR ENVIRONMENTS20mm
9. 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.
10. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS.

11. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



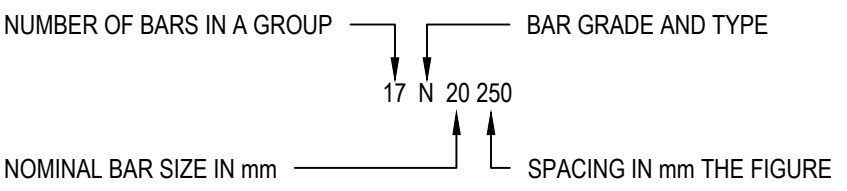
FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS 1304.

12. uPVC SHEET SHALL BE PLACED BELOW ALL CONCRETE PAVEMENTS.

13. ALL PENETRATIONS TO HAVE 2/N12 TRIMMER BARS TOP AND BOTTOM TO EACH FACE U.N.O. EXTEND TRIMMERS 700 BEYOND PENETRATION.

14. FORMWORK CLASS SHALL BE IN ACCORDANCE WITH AS3610.

15. SURFACE FINISHES:
ELEMENTFORMWORK CLASS
STORMWATER PITOFF FORM
PAVEMENTSMACHINE FLOAT/BROOM FINISHED
KERBSSTEEL FLOAT/TROWEL
16. REINFORCEMENT SYMBOLS:
N DENOTES GRADE 450 N BARS TO AS 1302 GRADE N
R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 1302
SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 1304



CITY OF SYDNEY STANDARD DRAWINGS

REFER CITY OF SYDNEY - SYDNEY STREETS TECHNICAL SPECIFICATION. ALL OF CITY OF SYDNEY STANDARD DETAILS MUST BE VERIFIED AT DETAILED DESIGN.

KERB AND GUTTER

- 1.1.1 STONE KERB WITH CONCRETE GUTTER
1.1.2 CAST IN-SITU KERB AND GUTTER DETAILS
1.1.3 STONE KERB PROFILES - DEEP EMBEDMENT
1.1.4 STONE KERB SECTIONS - DEEP EMBEDMENT
1.1.5 STONE KERB PROFILES - SHALLOW EMBEDMENT
1.1.6 STONE KERB SECTIONS - SHALLOW EMBEDMENT
1.1.7 STONE KERB LAYBACK PROFILES
1.1.8 STONE KERB LAYBACK SECTIONS
1.1.11 TYPICAL STONE GUTTER DETAIL
1.1.12 STONE LINTEL (SLK) - GRANITE AND BLUESTONE
1.1.16 ROAD RESTORATION ADJACENT TO KERB /GUTTER WORKS

GENERAL FOOTPATH

- 2.1.2 TYPICAL ONE PART PIT COVER
2.1.3 TYPICAL MULTI PART PIT COVER
2.1.4 SEWER & STORMWATER PIT INFILL COVER
2.1.5 SERVICE VALVE COVER DETAIL
2.1.6 SERVICE PIT EDGE DETAIL
2.1.8 PROPERTY OWNERSHIP INTERFACE LOCATION
2.1.9 TREE GRATE AND GUARD

GRANITE PAVING

- 2.2.1 GENERAL ARRANGEMENT PLAN
2.2.2 GENERAL ARRANGEMENT PLAN (FACETTED)
2.2.3 CORNER ARRANGEMENT PLAN (TYPICAL)
2.2.4 JUNCTIONS
2.2.5 JOINTS
2.2.6 PEDESTRIAN RAMP (TYPICAL)
2.2.9 PAVING AROUND LIGHT POLES AND SMARTPOLES
2.7.2 TGS1 TYPICAL LAYOUT

FIXTURES/FURNITURE/PLANTING

- 4.1.1 FIXTURES, TYPICAL LAYOUTS - FIXTURE ALIGNMENTS
4.2.1 SEAT SHEET 1
4.2.2 SEAT SHEET 2
4.3.1 BIN ENCLOSURE
CoS TECHNICAL GUIDELINES STREET TREE MASTERPLAN 2023
SEC. 6 TYPE 8 - TREE PLANTING IN CBD OR OTHER SPECIFIED LOCATIONS - TREE GRATE

SIGNAGE

- 6.2.2 SIGN POST INSTALLATION

DRAINAGE

- 7.1.1 STANDARD GULLY PIT WITH EXTENDED KERB INLET
7.1.2 STANDARD GULLY PIT WITH STONE INLET
7.1.3 DOUBLE GRATE/INTEL PIT WITH STONE INLET
7.1.4 STANDARD EXTENDED GULLY PIT
7.1.7 STANDARD JUNCTION PIT
7.1.9 TYPICAL PIPE TRENCH BACKFILL
7.1.12 HIGH FLOW INLET PIT (STONE KERB)
7.1.19 STANDARD STEP IRONS

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

Client

Scale

North

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Scale
N.T.S
Date
10/20/2023

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Title
SPECIFICATION NOTES

Size
A1

Datum
MGA 2020

Project Number/Drawing Number
B1D-CD2-000011

Revision
7

SHEET 02



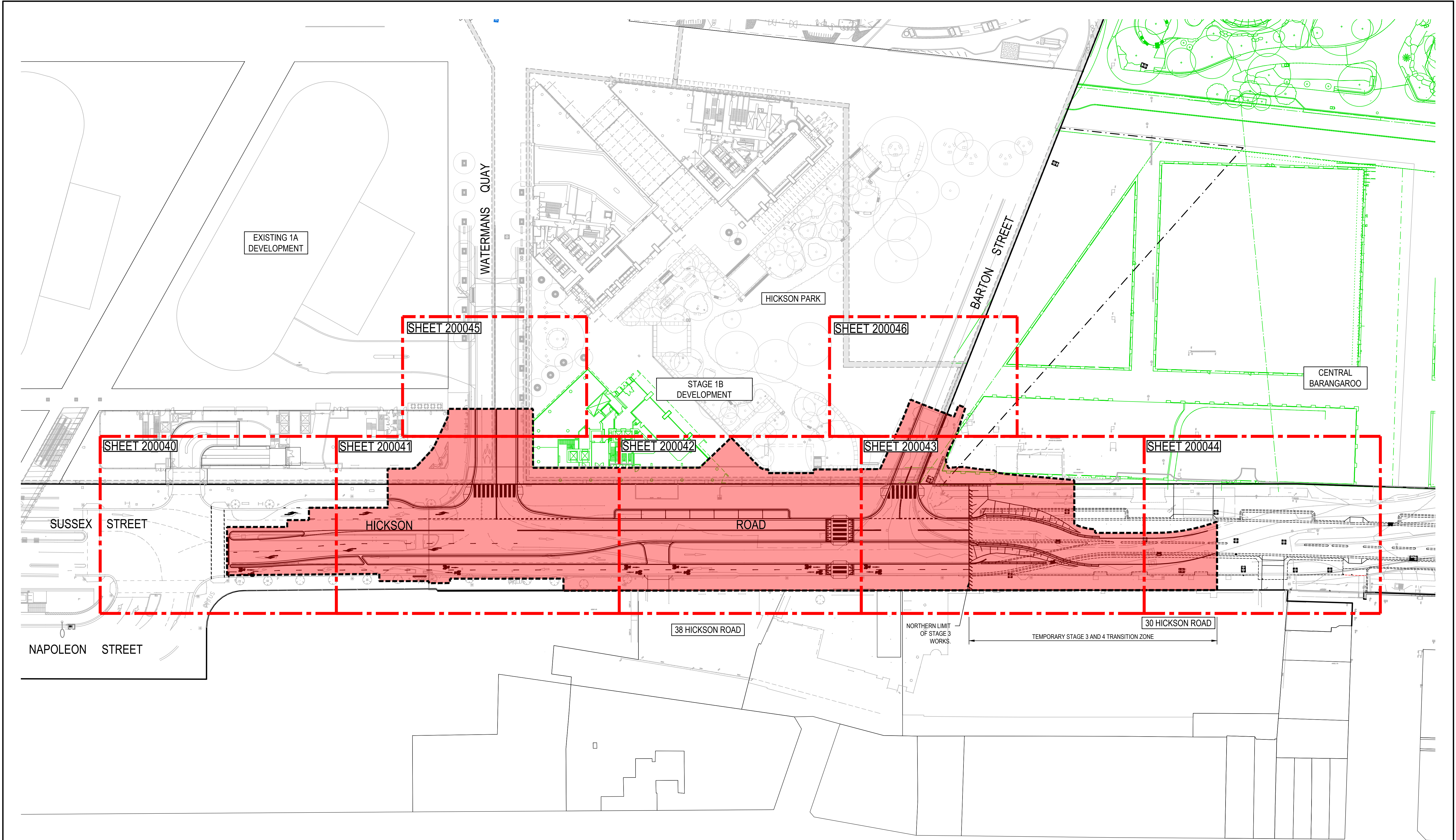
LEGEND

STAGE 3
- SUBJECT SITE

STAGE 4
- FUTURE WORKS

METRON WORKS
BY OTHERS

7 10/11/2025 ISSUED FOR 80% IFT / REF SW EZ MKH MTL 6 7/10/2025 ISSUED FOR CLIENT REVIEW EZ EZ MTL 5 27/08/2025 ISSUED FOR COORDINATION EZ EZ MTL 4 4/04/2024 ISSUED FOR 80% IFT / REF MDH MTL RL MKH 3 22/03/2024 ISSUED FOR PRELIMINARY COSTING MDH MTL MKH MTL 2 23/01/2024 60% RE-ISSUED FOR COORDINATION MDH HD MTL 1 20/10/2023 60% ISSUED FOR COORDINATION CB HD MTL REV. DATE DESCRIPTION DRN. DES. VERIF. APPD.	Client lendlease we are insw Infrastructure New South Wales	Scale 0 20 40 60 80 100m SCALE 1:1000 @A1 The copyright of this drawing remains with Enspire Solutions Pty Ltd and must not be copied wholly or in part without the permission of Enspire Solutions Pty Ltd.	North	enspire Enspire Solutions Pty Ltd Level 7, 54 Miller Street, North Sydney NSW 2060 ABN: 71 624 801 690 Phone: 02 9922 6135 enspiresolutions.com.au	Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS Title STAGING CONTEXT PLAN	Scale 1:1000 Date 10/20/2023 Size A1 Datum MGA 2020	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION Project Number/Drawing Number B1D-CD2-000020 Revision 7
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REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.

Client





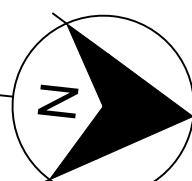
Scale

0 10 20 30 40 50m

SCALE 1:500 @A1

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Project

HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title

GENERAL ARRANGEMENT PLAN

Scale

1:500

Date

10/20/2023

Size

A1

Datum

MGA 2020

Status

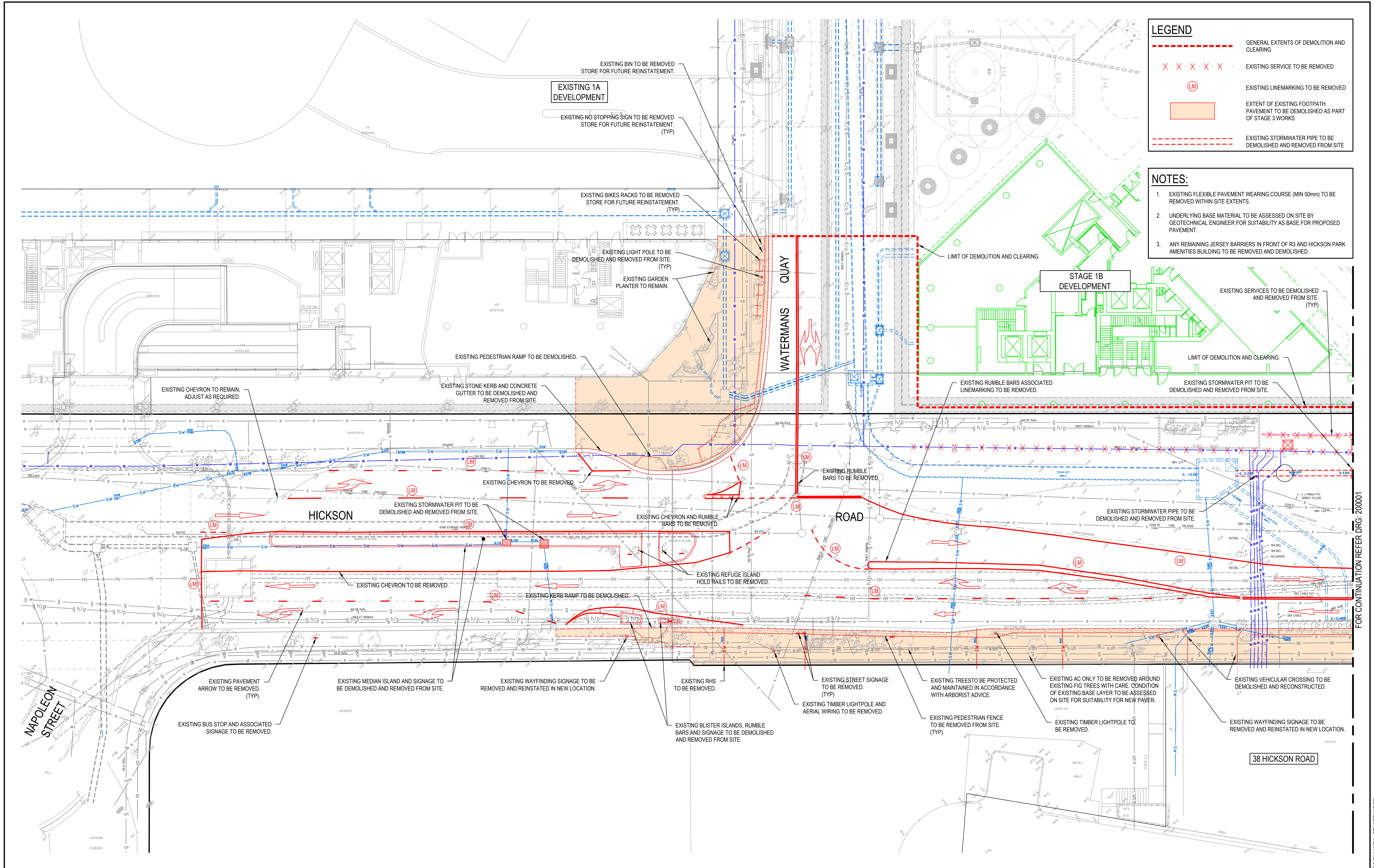
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number

B1D-CD2-000030

Revision

7



REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL		MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

Client

lendlease

we are insw Infrastructure
New South Wales

Scale

0 5 10 15 20m

SCALE 1:200 @A1

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title
DEMOLITION PLAN

SHEET 01

Scale
1:200

Date
10/20/2023

Size
A1

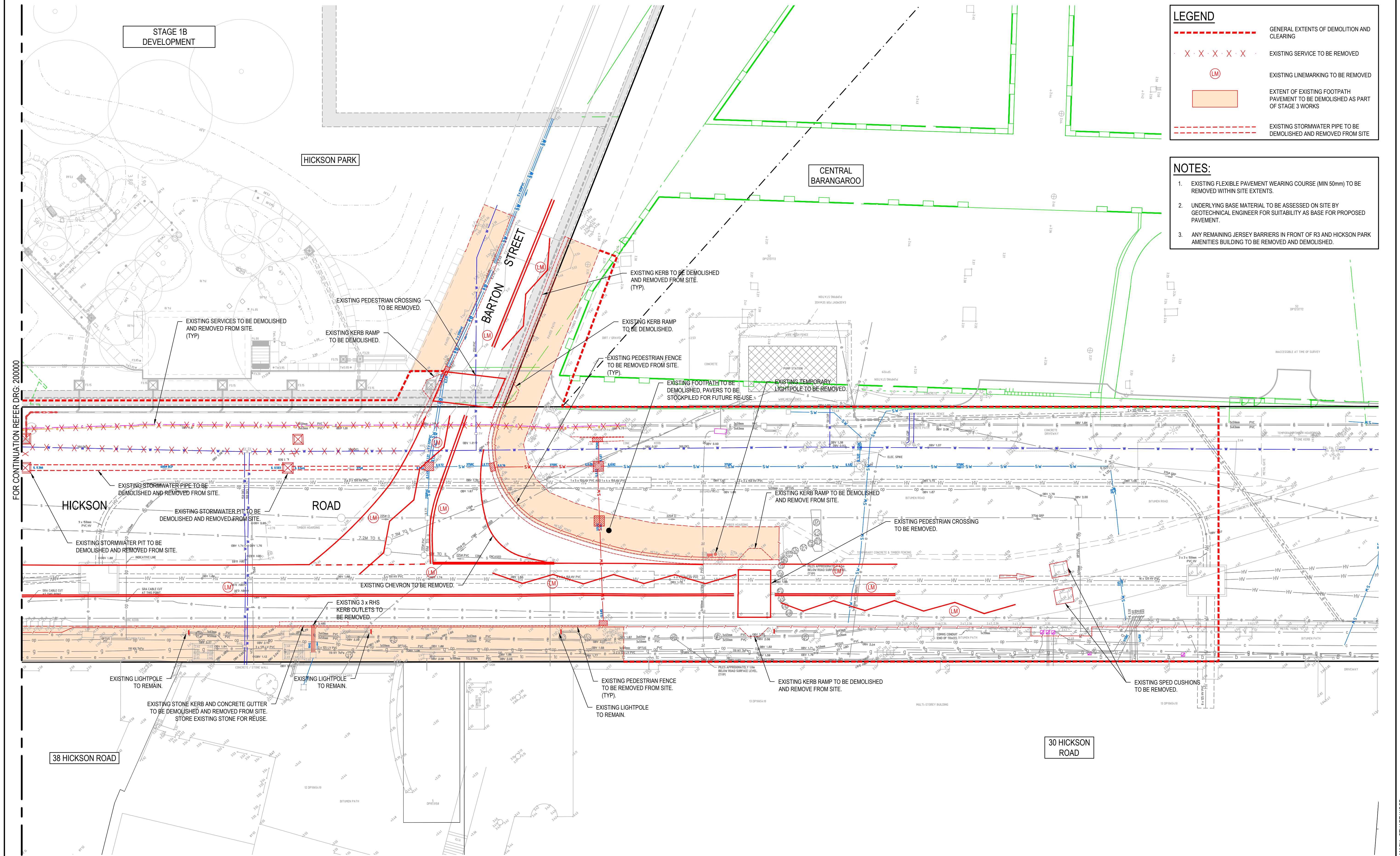
Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
B1D-CD2-200000

Revision
6

FOR CONTINUATION REFER DRG: 200000



REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL	
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ	MTL	
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD	MTL	
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD	MTL	

Client

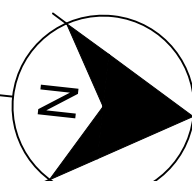
Scale

0 5 10 15 20m

SCALE 1:200 @A1

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title
DEMOLITION PLAN

SHEET 02

Scale
1:200

Date
10/20/2023

Size
A1

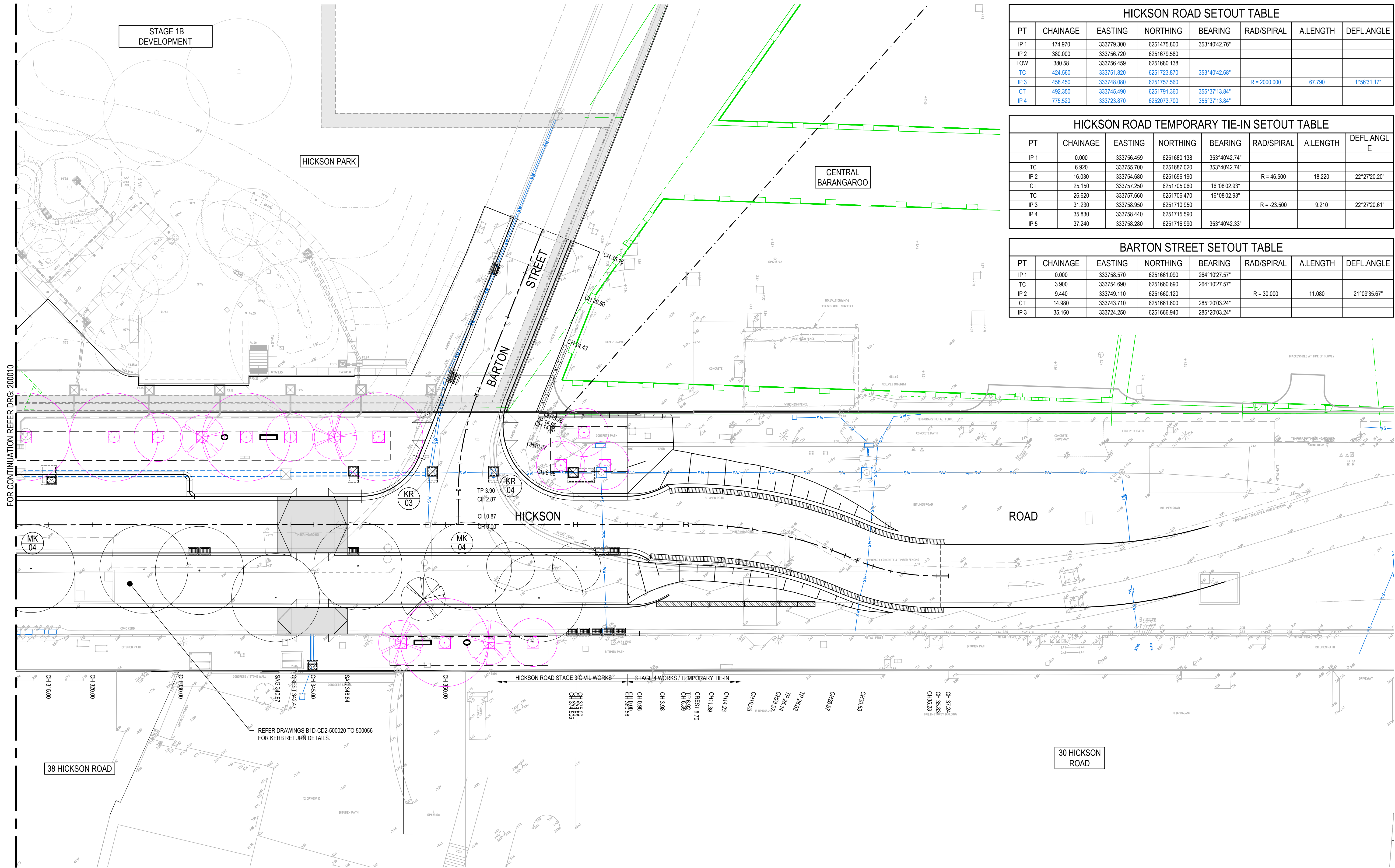
Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
B1D-CD2-200001

Revision
6

FOR CONTINUATION REFER DRG: 200010



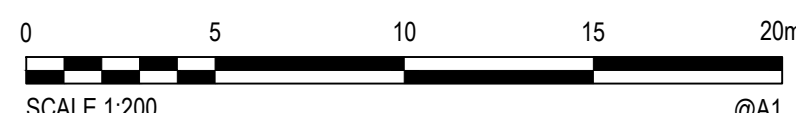
HICKSON ROAD SETOUT TABLE							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	174.970	333779.300	6251475.800	353°40'42.76"			
IP 2	380.000	333756.720	6251679.580				
LOW	380.58	333756.459	6251680.138				
TC	424.560	333751.820	6251723.870	353°40'42.68"			
IP 3	458.450	333748.080	6251757.560		R = 2000.000	67.790	1°56'31.17"
CT	492.350	333745.490	6251791.360	355°37'13.84"			
IP 4	775.520	333723.870	6252073.700	355°37'13.84"			

HICKSON ROAD TEMPORARY TIE-IN SETOUT TABLE							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	333756.459	6251680.138	353°40'42.74"			
TC	6.920	333755.700	6251687.020	353°40'42.74"			
IP 2	16.030	333754.680	6251696.190		R = 46.500	18.220	22°27'20.20"
CT	25.150	333757.250	6251705.060	16°08'02.93"			
TC	26.620	333757.660	6251706.470	16°08'02.93"			
IP 3	31.230	333758.950	6251710.950		R = -23.500	9.210	22°27'20.61"
IP 4	35.830	333758.440	6251715.590				
IP 5	37.240	333758.280	6251716.990	353°40'42.33"			

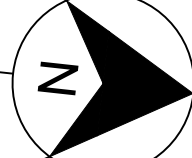
BARTON STREET SETOUT TABLE							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	333758.570	6251661.090	264°10'27.57"			
TC	3.900	333754.690	6251660.690	264°10'27.57"			
IP 2	9.440	333749.110	6251660.120		R = 30.000	11.080	21°09'35.67"
CT	14.980	333743.710	6251661.600	285°20'03.24"			
IP 3	35.160	333724.250	6251666.940	285°20'03.24"			

REV.	DATE	DESCRIPTION	SW	EZ	MDH	MTL	CB	HD	DRN	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF										
6	7/10/2025	ISSUED FOR CLIENT REVIEW										
5	27/08/2025	ISSUED FOR COORDINATION										
4	4/04/2024	ISSUED FOR 80% IFT / REF										
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING										
2	23/01/2024	60% RE-ISSUED FOR COORDINATION										
1	20/10/2023	60% ISSUED FOR COORDINATION										

Client:  

Scale:  SCALE 1:200 @A1

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Project: HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS

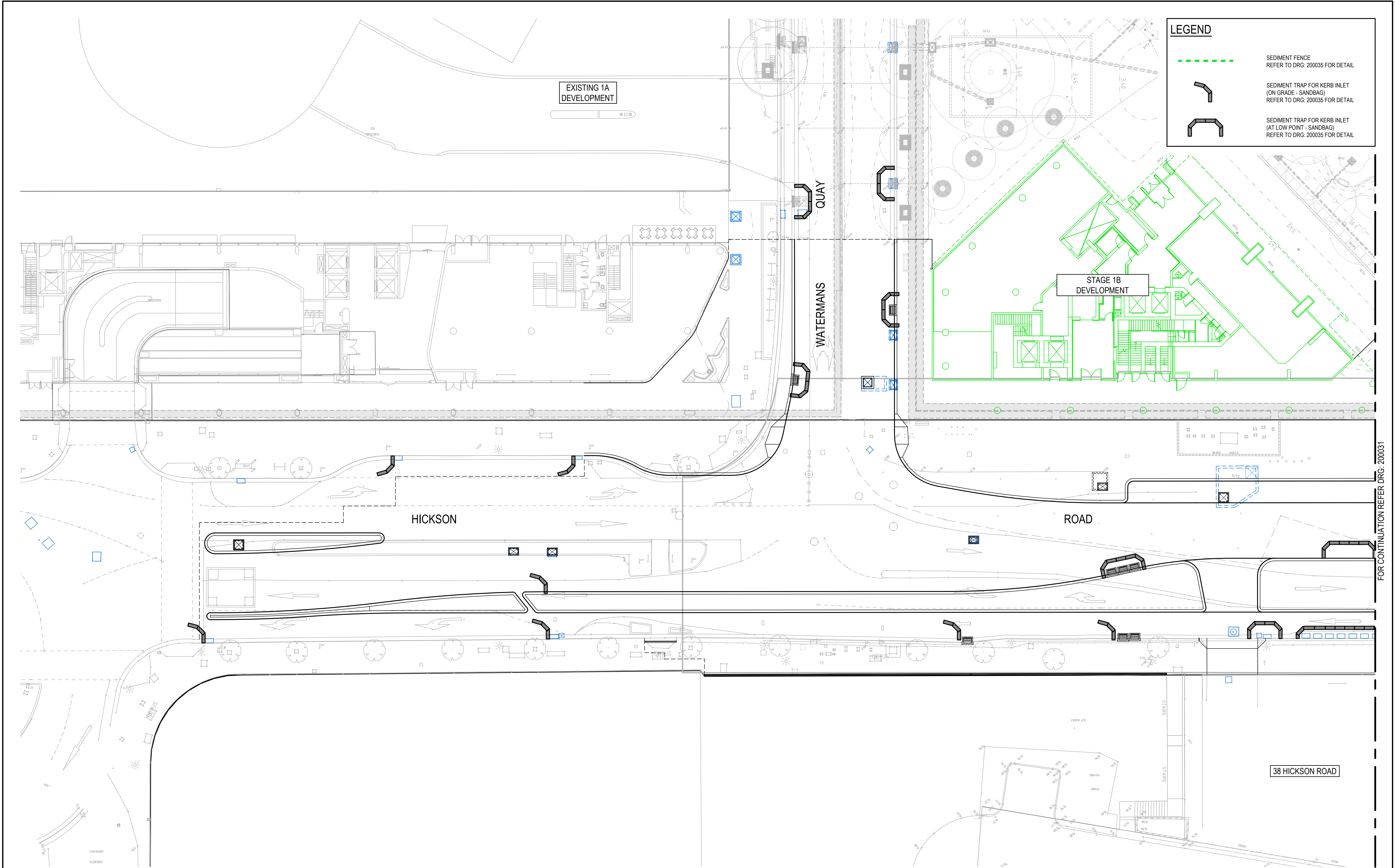
Title: ALIGNMENT CONTROL PLAN AND SETOUT SHEET 02

Scale: 1:200
Date: 10/20/2023
Size: A1
Datum: MGA 2020

Status: **FOR INFORMATION ONLY**
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number: **B1D-CD2-200011**

Revision: **7**



LEGEND

SEDIMENT FENCE
REFER TO DRG: 200035 FOR DETAIL

SEDIMENT TRAP FOR KERB INLET
(ON GRADE - SANDBAG)
REFER TO DRG: 200035 FOR DETAIL

SEDIMENT TRAP FOR KERB INLET
(AT LOW POINT - SANDBAG)
REFER TO DRG: 200035 FOR DETAIL

7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.

Client

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Infrastructure

New South Wales

Scale

05101520m

SCALE 1:200

@A1

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Project

HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title

EROSION AND SEDIMENTATION
CONTROL PLAN
SHEET 01

Scale

1:200

Date

10/20/2023

Size

A1

Datum

MGA 2020

Status

FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

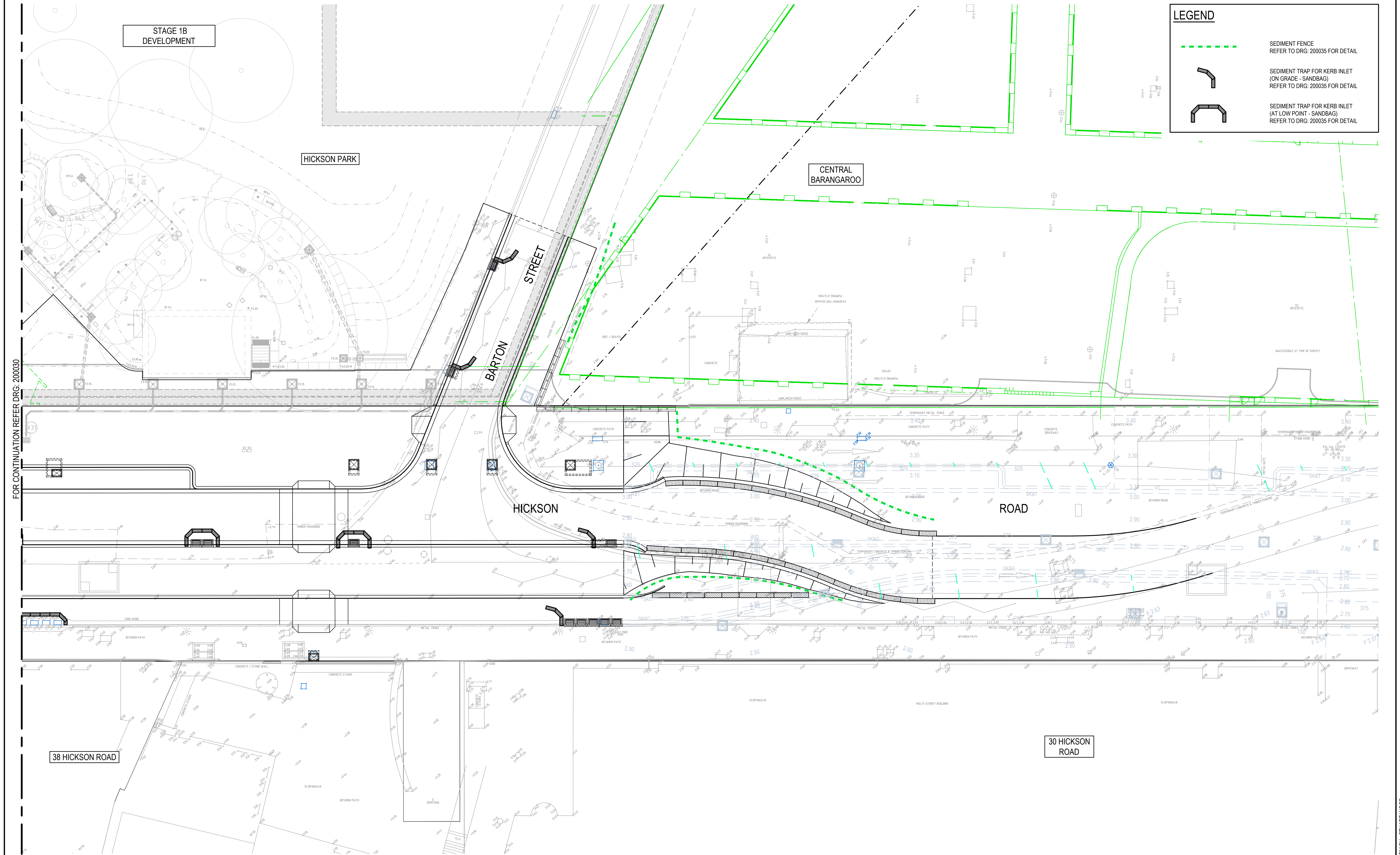
Project Number/Drawing Number

B1D-CD2-200030

Revision

7

FOR CONTINUATION REFER DRG: 200030



LEGEND

SEDIMENT FENCE
REFER TO DRG: 200035 FOR DETAIL

SEDIMENT TRAP FOR KERB INLET
(ON GRADE - SANDBAG)
REFER TO DRG: 200035 FOR DETAIL

SEDIMENT TRAP FOR KERB INLET
(AT LOW POINT - SANDBAG)
REFER TO DRG: 200035 FOR DETAIL

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL		MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

Client

Scale

SCALE 1:200 @A1

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Project

HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title

EROSION AND SEDIMENTATION
CONTROL PLAN
SHEET 02

Scale

1:200

Date

10/20/2023

Size

A1

Datum

MGA 2020

Status

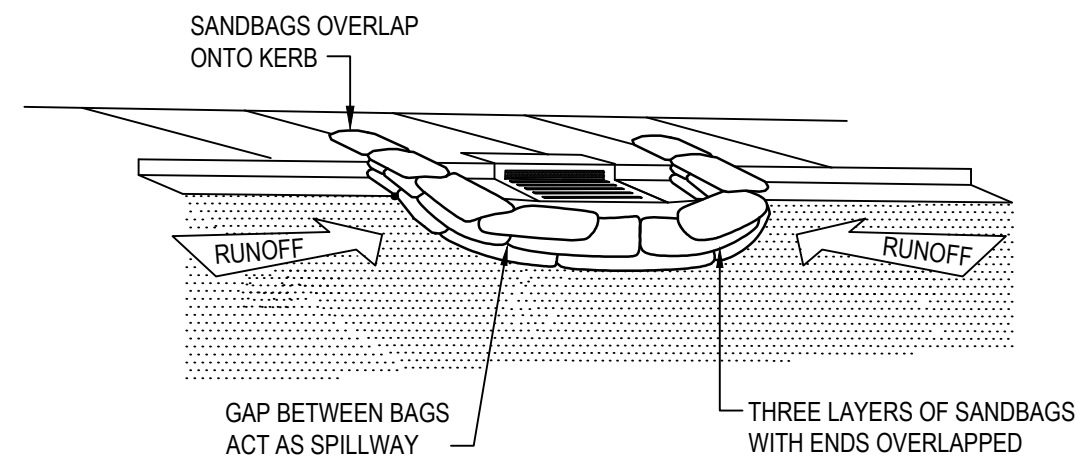
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number

B1D-CD2-200031

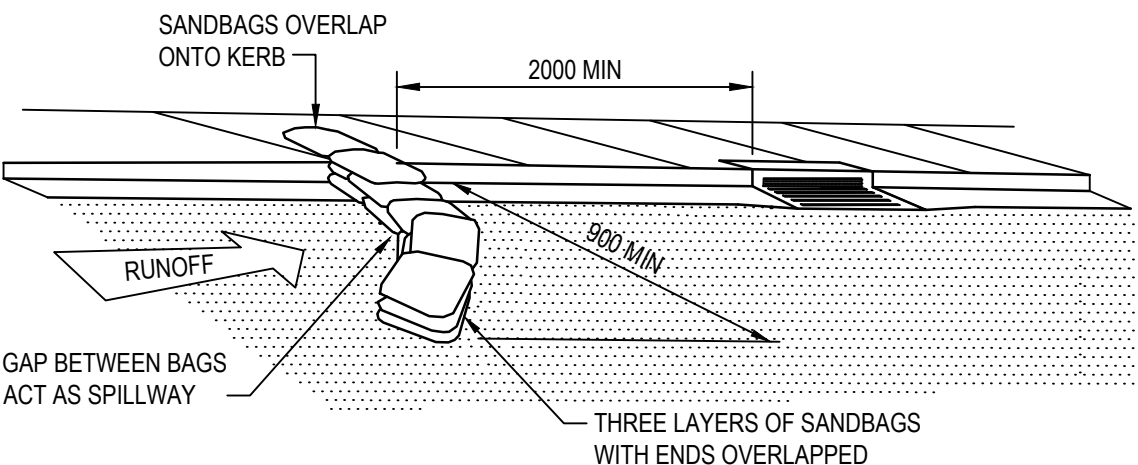
Revision

7



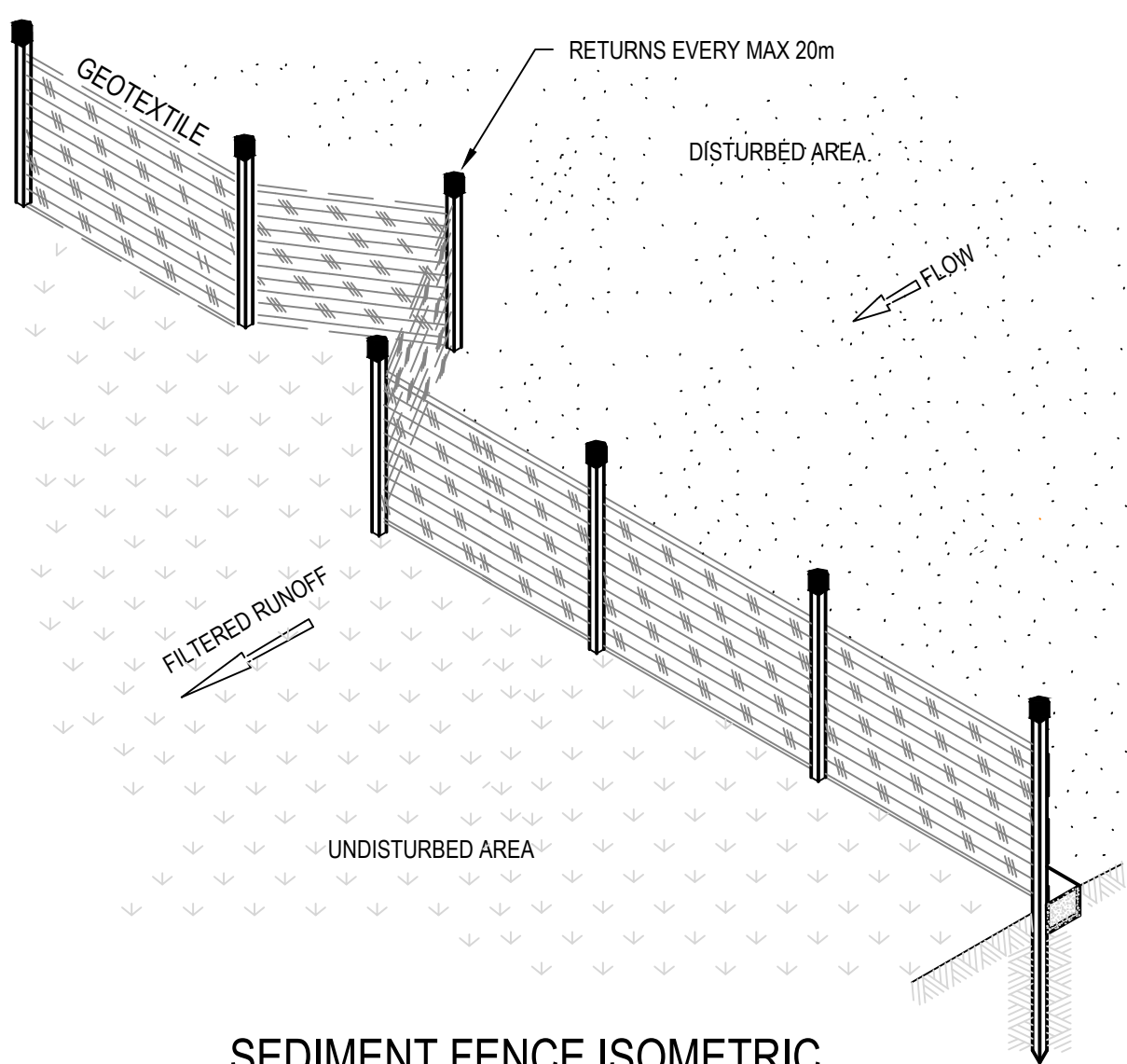
SEDIMENT TRAP FOR KERB INLET
(AT LOW POINT - SANDBAG)

NOT TO SCALE



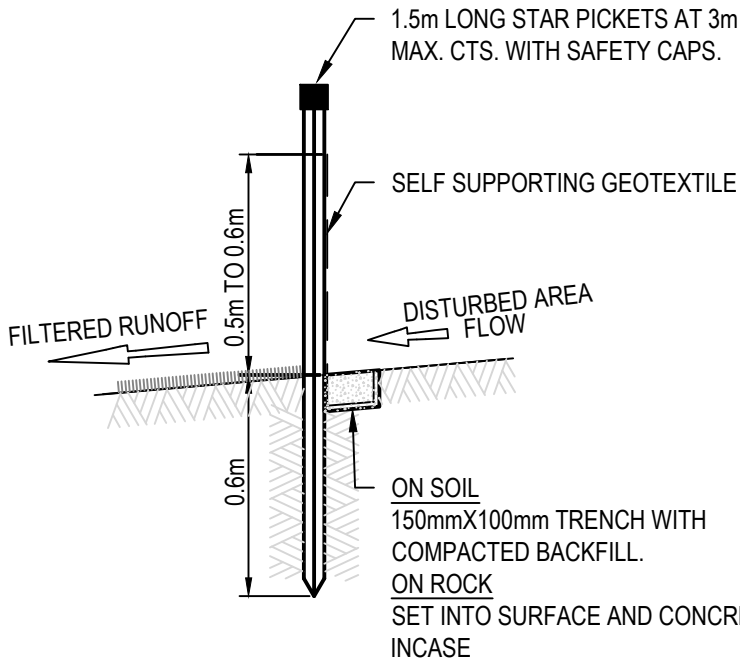
SEDIMENT TRAP FOR KERB INLET
(ON GRADE - SANDBAG)

NOT TO SCALE



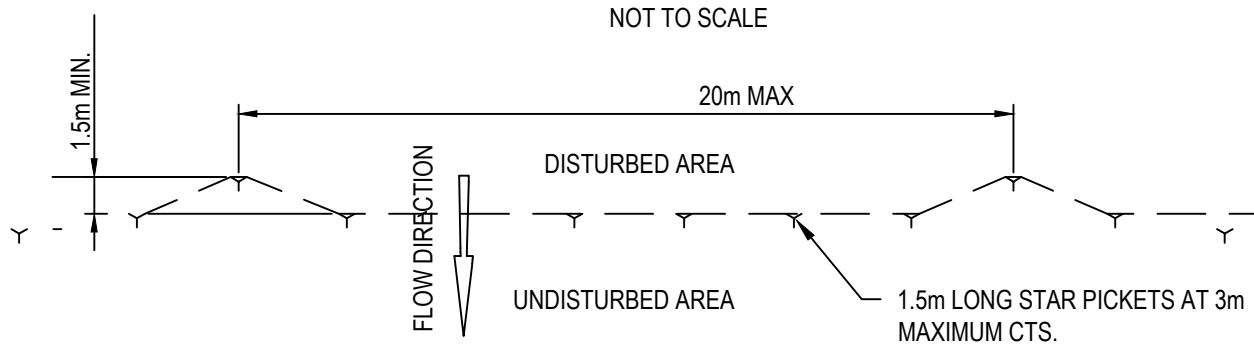
SEDIMENT FENCE ISOMETRIC

NOT TO SCALE



SEDIMENT FENCE SECTION

NOT TO SCALE



SEDIMENT FENCE PLAN

NOT TO SCALE

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL



Scale

North

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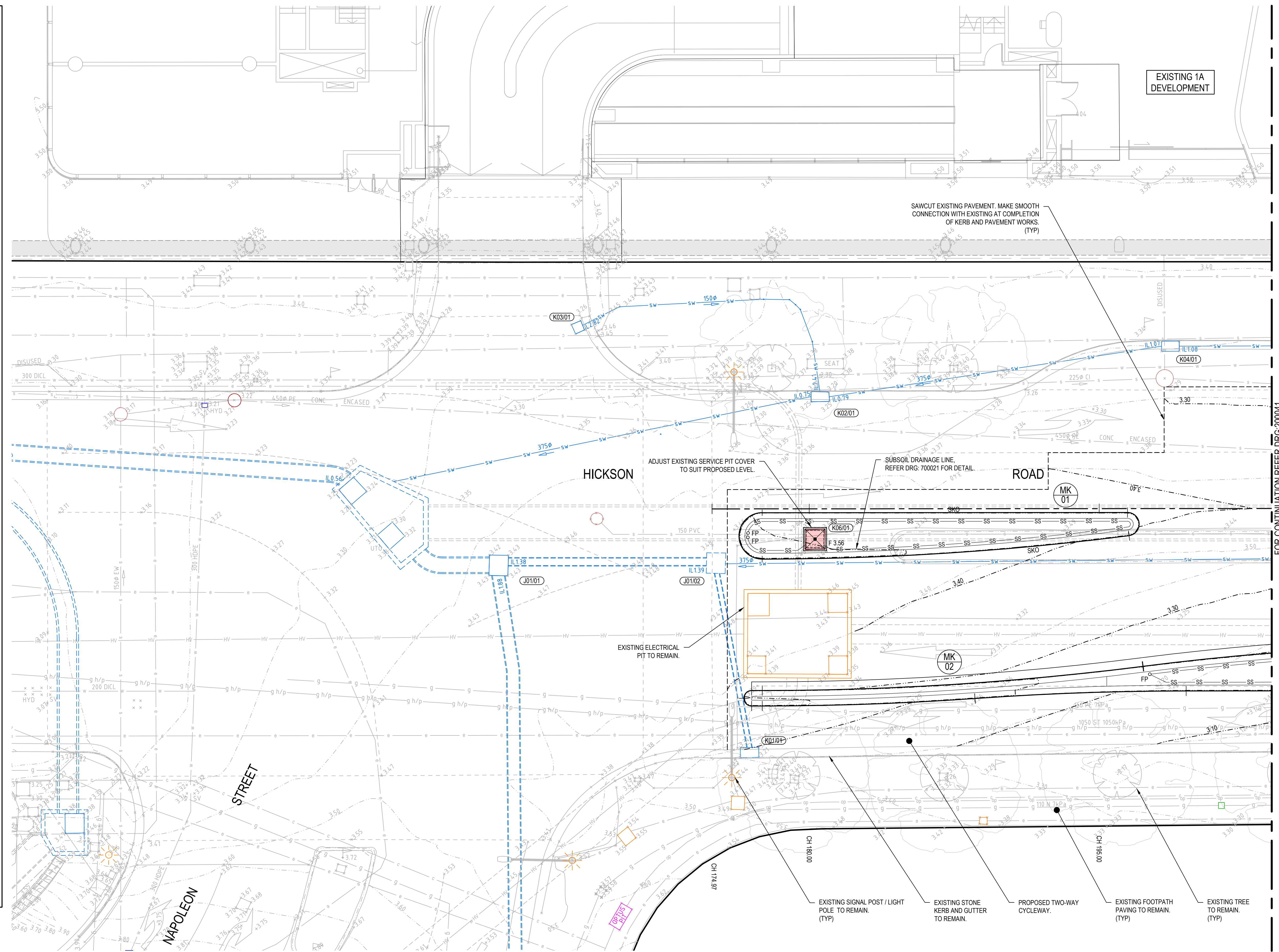
Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	EROSION AND SEDIMENTATION CONTROL DETAILS

Scale	N.T.S	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	10/20/2023	Project Number/Drawing Number	B1D-CD2-200035
Size	A1	Revision	7
Datum	MGA 2020		

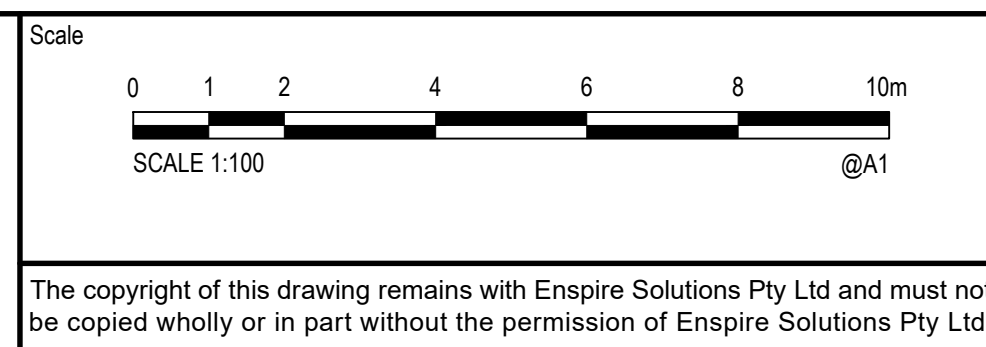
LEGEND

	SITE BOUNDARY
	CONTOUR
	BATTER
	STONE KERB AND CONCRETE GUTTER REFER CITY OF SYDNEY STANDARD DRG: 1.1.1 AND REFER DRG: CD2-700001 FOR DETAIL
	STONE KERB AND CONCRETE TOE REFER DRG: CD2-700001 FOR DETAIL
	STONE KERB ONLY REFER DRG: CD2-700001 FOR DETAIL
	CYCLEWAY MEDIAN AND CONCRETE GUTTER REFER DRG: CD2-700001 FOR DETAIL
	STONE KERB AND GUTTER WITH GRATED DRAIN REFER DRG: CD2-700001 FOR DETAIL
	CONCRETE KERB AND GUTTER REFER CITY OF SYDNEY STANDARD DRG: 1.1.2 FOR DETAIL
	GRANITE PAVING PEDESTRIAN RAMP REFER CITY OF SYDNEY STANDARD DRG: 2.2.6 FOR DETAIL
	PEDESTRIAN RAMP TYPE 2 REFER CITY OF SYDNEY STANDARD DRG: 2.2.6 FOR DETAIL
	KERB RETURN NUMBER
	MEDIAN ISLAND NUMBER
	FINISHED LEVEL
	PIPE SIZE PROPOSED STORMWATER DRAINAGE LINE FLOW DIRECTION
	PIPE SIZE EXISTING STORMWATER DRAINAGE PIPE FLOW DIRECTION
	CULVERT SIZE EXISTING STORMWATER DRAINAGE CULVERT FLOW DIRECTION
	SUBSOIL DRAINAGE LINE
	SUBSOIL FLUSHING POINT
	INTERMEDIATE RISER
	STORMWATER LINE/PIT NUMBER
	KERB INLET PIT
	SURFACE INLET PIT / JUNCTION PIT
	GRATED TRENCH DRAIN
	REMEDIAL EXCAVATION WORKS PREVIOUSLY UNDERTAKEN
	2 x 50mm DIA SLOTTED WATERING PIPE WITH STAINLESS STEEL COVER GRILL KERB INLET PASSIVE IRRIGATION REFER TO CITY OF SYDNEY TECHNICAL GUIDELINES STREET TREE MASTERPLAN TYPE 8
	PROPOSED TREE LOCATION
	PROPOSED TREE LOCATION - POSSIBLE SERVICE CLASH. TO BE CHECKED ON SITE
	EXISTING TREE LOCATION
	EXISTING SERVICES COVER ADJUSTMENT
	SEWER
	WATER
	GAS
	COMMS
	ELECTRICAL
	STORMWATER

NOTE: EXISTING SERVICES COVER TO BE ADJUSTED TO SUIT PROPOSED LEVELS.
REFER DRG: 600040 TO 600042 FOR COVER AND LEVEL ADJUSTMENT DETAIL.



9	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL	Client
8	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL	
7	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL	
6	18/08/2025	ISSUED FOR 80% IFT / REF	EZ	EZ		MTL	
5	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH	
4	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL		MKH	
3	4/03/2024	RE-ISSUED FOR COORDINATION	MDH	MTL			
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL	
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.	



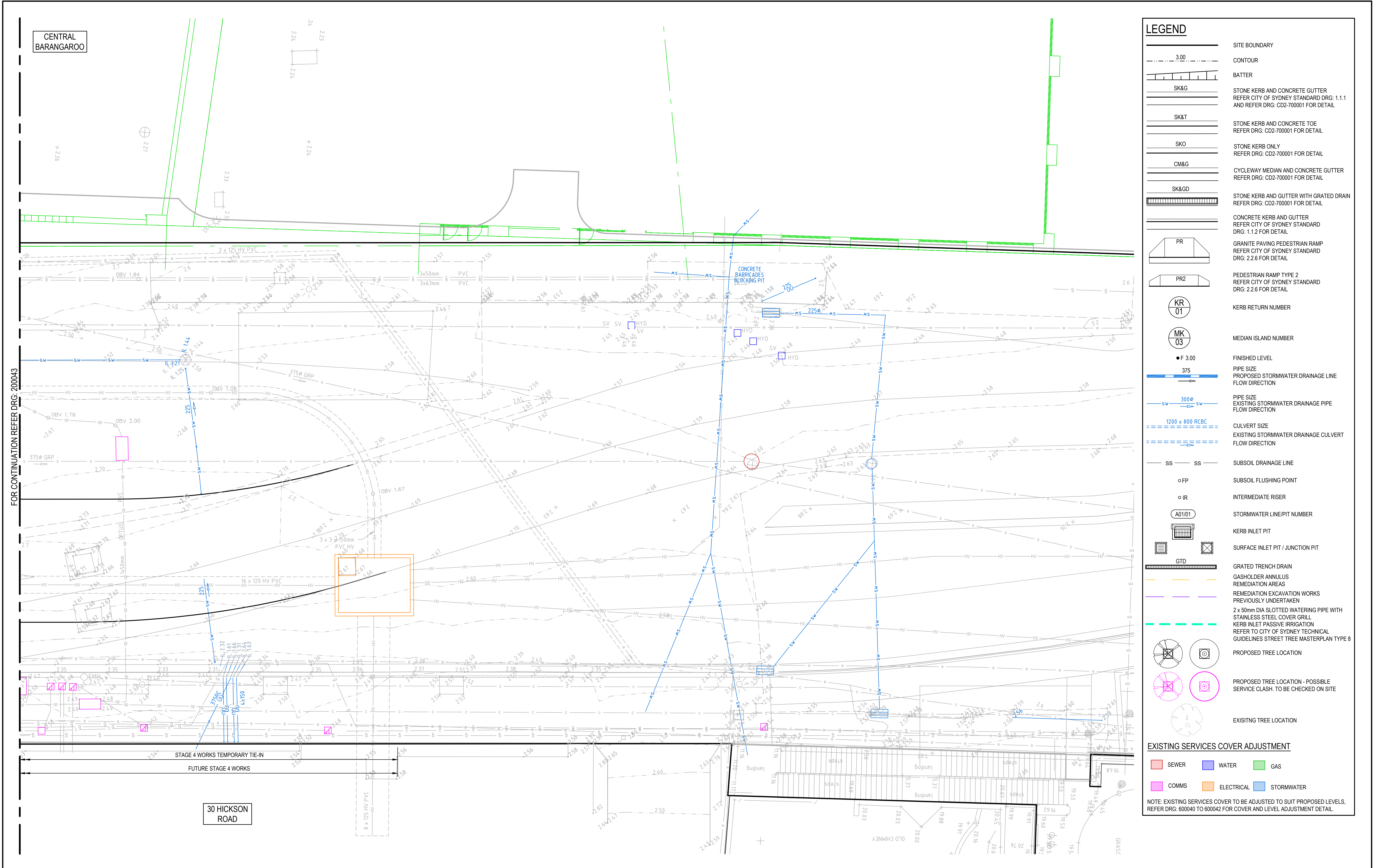
North

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Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	SITWORKS AND STORMWATER MANAGEMENT PLAN
SHEET 01	

Scale	1:100	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	10/20/2023	Project Number/Drawing Number	B1D-CD2-200040
Size	A1	Revision	9
Datum	MGA 2020		



LEGEND

3.00

CONTOUR

SK&G

BATTER

SK&T

STONE KERB AND CONCRETE GUTTER
REFER CITY OF SYDNEY STANDARD DRG: 1.1.1
AND REFER DRG: CD2-700001 FOR DETAIL

SKO

STONE KERB AND CONCRETE TOE
REFER DRG: CD2-700001 FOR DETAIL

CM&G

STONE KERB ONLY
REFER DRG: CD2-700001 FOR DETAIL

SK&GD

CYCLEWAY MEDIAN AND CONCRETE GUTTER
REFER DRG: CD2-700001 FOR DETAIL

STONE KERB AND GUTTER WITH GRATED DRAIN
REFER DRG: CD2-700001 FOR DETAIL

CONCRETE KERB AND GUTTER
REFER CITY OF SYDNEY STANDARD
DRG: 1.1.2 FOR DETAIL

GRANITE PAVING PEDESTRIAN RAMP
REFER CITY OF SYDNEY STANDARD
DRG: 2.2.6 FOR DETAIL

PEDESTRIAN RAMP TYPE 2
REFER CITY OF SYDNEY STANDARD
DRG: 2.2.6 FOR DETAIL

KERB RETURN NUMBER

MEDIAN ISLAND NUMBER

FINISHED LEVEL

PIPE SIZE
PROPOSED STORMWATER DRAINAGE LINE
FLOW DIRECTION

PIPE SIZE
EXISTING STORMWATER DRAINAGE PIPE
FLOW DIRECTION

CULVERT SIZE
EXISTING STORMWATER DRAINAGE CULVERT
FLOW DIRECTION

SUBSOIL DRAINAGE LINE

SUBSOIL FLUSHING POINT

INTERMEDIATE RISER

STORMWATER LINE/PIT NUMBER

KERB INLET PIT

SURFACE INLET PIT / JUNCTION PIT

GRATED TRENCH DRAIN

GASHOLDER ANNULUS
REMEDICATION AREAS

REMEDICATION EXCAVATION WORKS
PREVIOUSLY UNDERTAKEN

2 x 50mm DIA SLOTTED WATERING PIPE WITH
STAINLESS STEEL COVER GRILL
KERB INLET PASSIVE IRRIGATION
REFER TO CITY OF SYDNEY TECHNICAL
GUIDELINES STREET TREE MASTERPLAN TYPE 8

PROPOSED TREE LOCATION

PROPOSED TREE LOCATION - POSSIBLE
SERVICE CLASH. TO BE CHECKED ON SITE

EXISTING TREE LOCATION

EXISTING SERVICES COVER ADJUSTMENT

SEWER

WATER

GAS

COMMS

ELECTRICAL

STORMWATER

NOTE: EXISTING SERVICES COVER TO BE ADJUSTED TO SUIT PROPOSED LEVELS.
REFER DRG: 600040 TO 600042 FOR COVER AND LEVEL ADJUSTMENT DETAIL.

9	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL	Client
8	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL	
7	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL	
6	18/08/2025	ISSUED FOR 80% IFT / REF	EZ	EZ		MTL	
5	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH	
4	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL		MKH	
3	4/03/2024	RE-ISSUED FOR COORDINATION	MDH	MTL		MTL	
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL	
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.	

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Scale

0 1 2 4 6 8 10m

SCALE 1:100

@A1

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Project

HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title

SITWORKS AND STORMWATER MANAGEMENT PLAN

SHEET 05

Scale

1:100

Date

10/20/2023

Size

A1

Datum

MGA 2020

Status

FOR INFORMATION ONLY
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Project Number/Drawing Number

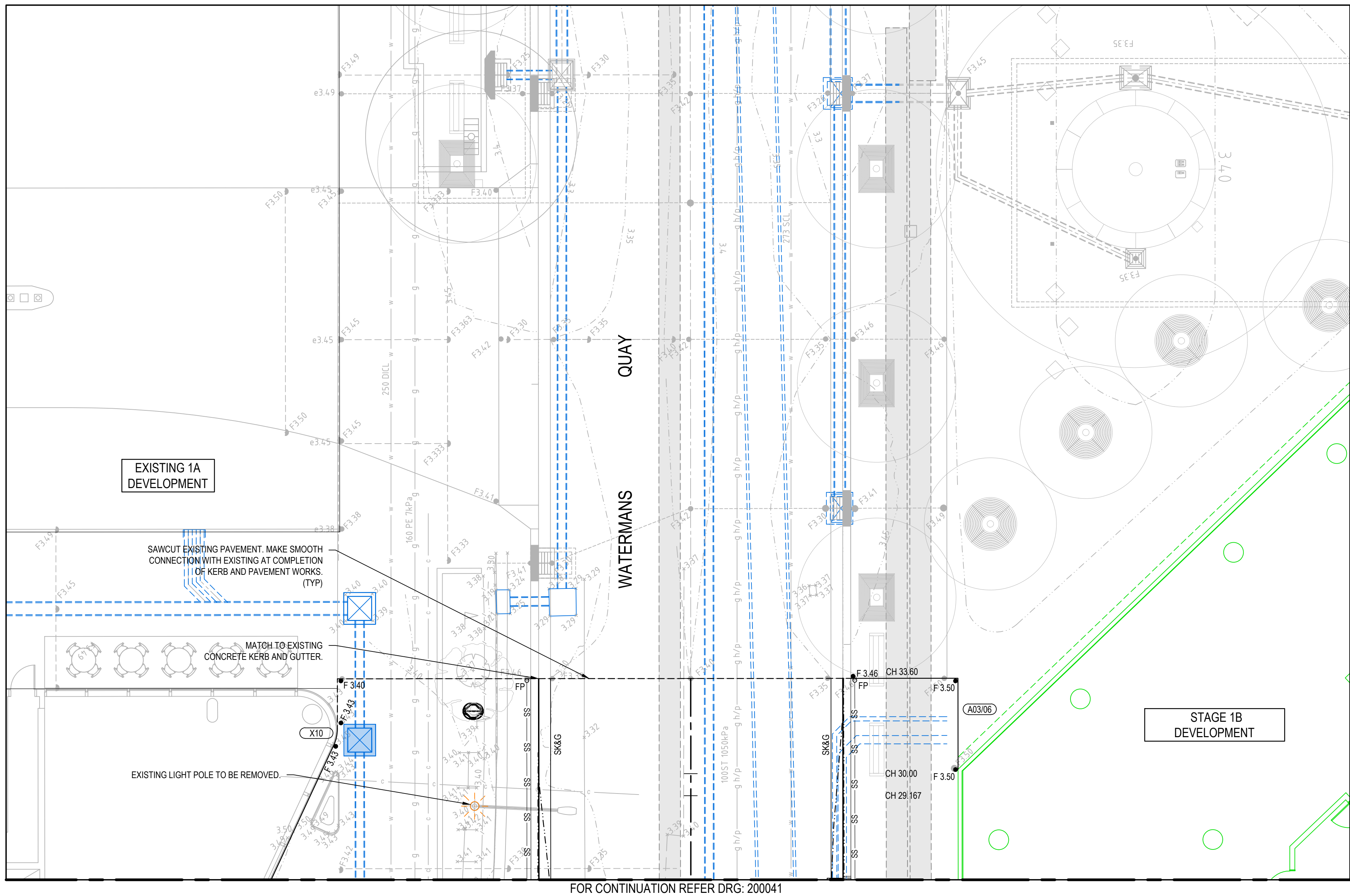
B1D-CD2-200044

Revision

9

CAD File: P:\220059 HicksonRd\Civil\01-Stage 3\Drawings\6-DACCI\B1D-CD2-200040-200046 SITWORKS AND STORMWATER MANAGEMENT PLAN.dwg

DATE PLOTTED: 11 November 2025 7:41 PM BY: STUART WOOD



FOR CONTINUATION REFER DRG: 200041

3.00

CONTOUR

SK&G

BATTER

SK&T

STONE KERB AND CONCRETE GUTTER
REFER CITY OF SYDNEY STANDARD DRG: 1.1.1
AND REFER DRG: CD2-700001 FOR DETAIL

SKO

STONE KERB AND CONCRETE TOE
REFER DRG: CD2-700001 FOR DETAIL

CM&G

STONE KERB ONLY
REFER DRG: CD2-700001 FOR DETAIL

SK&GD

CYCLEWAY MEDIAN AND CONCRETE GUTTER
REFER DRG: CD2-700001 FOR DETAIL

STONE KERB AND GUTTER WITH GRATED DRAIN
REFER DRG: CD2-700001 FOR DETAIL

CONCRETE KERB AND GUTTER
REFER CITY OF SYDNEY STANDARD
DRG: 1.1.2 FOR DETAIL

PR

GRANITE PAVING PEDESTRIAN RAMP
REFER CITY OF SYDNEY STANDARD
DRG: 2.2.6 FOR DETAIL

PR2

PEDESTRIAN RAMP TYPE 2
REFER CITY OF SYDNEY STANDARD
DRG: 2.2.6 FOR DETAIL

KR 01

KERB RETURN NUMBER

MK 03

MEDIAN ISLAND NUMBER

F 3.00

FINISHED LEVEL

375

PIPE SIZE
PROPOSED STORMWATER DRAINAGE LINE
FLOW DIRECTION

300 Ø

PIPE SIZE
EXISTING STORMWATER DRAINAGE PIPE
FLOW DIRECTION

1200 x 800 RCBC

CULVERT SIZE
EXISTING STORMWATER DRAINAGE CULVERT
FLOW DIRECTION

SS

SUBSOIL DRAINAGE LINE

FP

SUBSOIL FLUSHING POINT

IR

INTERMEDIATE RISER

A01/01

STORMWATER LINE/PIT NUMBER

KERB INLET PIT

SURFACE INLET PIT / JUNCTION PIT

GTD

GRATED TRENCH DRAIN

GASHOLDER ANNULUS
REMEDIATION AREAS

REMEDIATION EXCAVATION WORKS
PREVIOUSLY UNDERTAKEN

2 x 50mm DIA SLOTTED WATERING PIPE WITH
STAINLESS STEEL COVER GRILL
KERB INLET PASSIVE IRRIGATION
REFER TO CITY OF SYDNEY TECHNICAL
GUIDELINES STREET TREE MASTERPLAN TYPE 8

PROPOSED TREE LOCATION

PROPOSED TREE LOCATION - POSSIBLE
SERVICE CLASH. TO BE CHECKED ON SITE

EXISTING TREE LOCATION

EXISTING SERVICES COVER ADJUSTMENT

SEWER

WATER

GAS

COMMS

ELECTRICAL

STORMWATER

NOTE: EXISTING SERVICES COVER TO BE ADJUSTED TO SUIT PROPOSED LEVELS.
REFER DRG: 600040 TO 600042 FOR COVER AND LEVEL ADJUSTMENT DETAIL.

9	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL	Client
8	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL	
7	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL	
6	18/08/2025	ISSUED FOR 80% IFT / REF	EZ	EZ		MTL	
5	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH	
4	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL		MKH	MTL
3	4/03/2024	RE-ISSUED FOR COORDINATION	MDH	MTL			
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL	
REV	DATE	DESCRIPTION	DRN	DES	VERIF	APPD	

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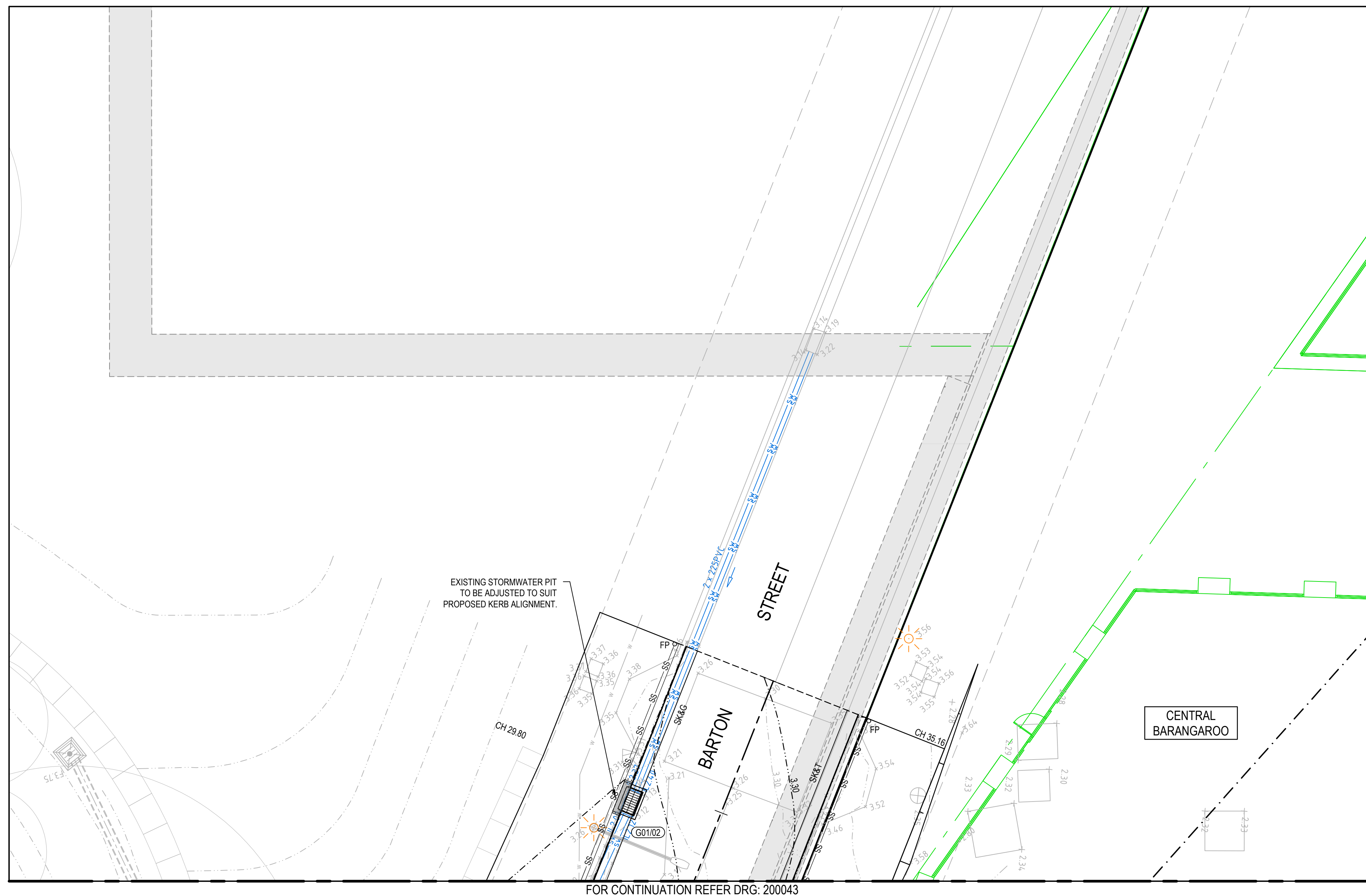
Enspire Solutions Pty Ltd
Level 7, 54 Miller Street, North Sydney NSW 2060
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Phone: 02 9922 6135
enspiresolutions.com.au

Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	SITWORKS AND STORMWATER MANAGEMENT PLAN
Datum	SHEET 06

Scale	1:100	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	10/20/2023	Project Number/Drawing Number	B1D-CD2-200045
Size	A1	Revision	9
MGA	2020		

CAD FILE: P:\220059 HicksonRd\1D-Civil\01-Stage 3\Drawings\6-DACCI\B1D-CD2-200040-200046 SITWORKS AND STORMWATER MANAGEMENT PLAN.dwg

DATE PLOTTED: 11 November 2025 7:41 PM BY: STUART WOOD



LEGEND

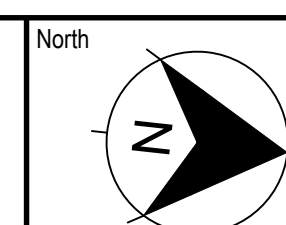
	SITE BOUNDARY
	CONTOUR
	BATTER
	STONE KERB AND CONCRETE GUTTER REFER CITY OF SYDNEY STANDARD DRG: 1.1.1 AND REFER DRG: CD2-700001 FOR DETAIL
	STONE KERB AND CONCRETE TOE REFER DRG: CD2-700001 FOR DETAIL
	STONE KERB ONLY REFER DRG: CD2-700001 FOR DETAIL
	CYCLEWAY MEDIAN AND CONCRETE GUTTER REFER DRG: CD2-700001 FOR DETAIL
	STONE KERB AND GUTTER WITH GRATED DRAIN REFER DRG: CD2-700001 FOR DETAIL
	CONCRETE KERB AND GUTTER REFER CITY OF SYDNEY STANDARD DRG: 1.1.2 FOR DETAIL
	GRANITE PAVING PEDESTRIAN RAMP REFER CITY OF SYDNEY STANDARD DRG: 2.2.6 FOR DETAIL
	PEDESTRIAN RAMP TYPE 2 REFER CITY OF SYDNEY STANDARD DRG: 2.2.6 FOR DETAIL
	KERB RETURN NUMBER
	MEDIAN ISLAND NUMBER
	FINISHED LEVEL
	PIPE SIZE PROPOSED STORMWATER DRAINAGE LINE FLOW DIRECTION
	PIPE SIZE EXISTING STORMWATER DRAINAGE PIPE FLOW DIRECTION
	CULVERT SIZE EXISTING STORMWATER DRAINAGE CULVERT FLOW DIRECTION
	SUBSOIL DRAINAGE LINE
	SUBSOIL FLUSHING POINT
	INTERMEDIATE RISER
	STORMWATER LINE/PIT NUMBER
	KERB INLET PIT
	SURFACE INLET PIT / JUNCTION PIT
	GRATED TRENCH DRAIN
	GASHOLDER ANNULUS REMEDICATION AREAS
	REMEDICATION EXCAVATION WORKS PREVIOUSLY UNDERTAKEN
	2 x 50mm DIA SLOTTED WATERING PIPE WITH STAINLESS STEEL COVER GRILL KERB INLET PASSIVE IRRIGATION REFER TO CITY OF SYDNEY TECHNICAL GUIDELINES STREET TREE MASTERPLAN TYPE B
	PROPOSED TREE LOCATION
	PROPOSED TREE LOCATION - POSSIBLE SERVICE CLASH. TO BE CHECKED ON SITE
	EXISTING TREE LOCATION

EXISTING SERVICES COVER ADJUSTMENT

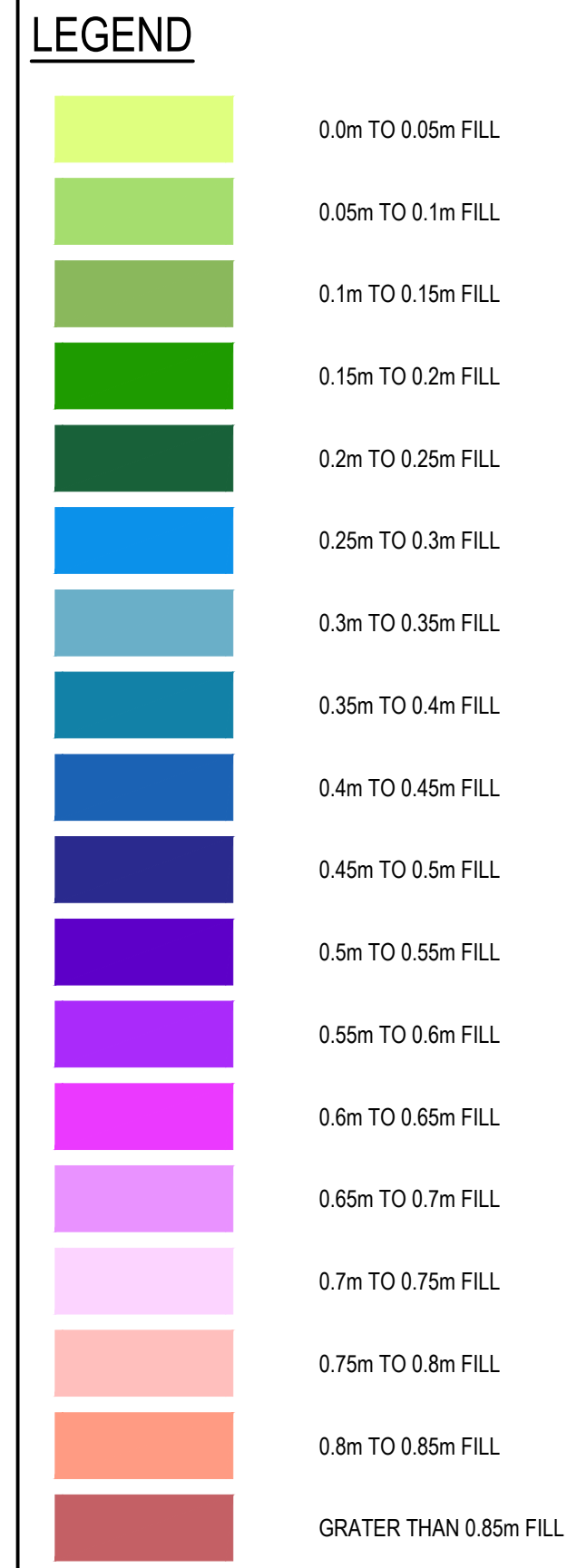
	SEWER		WATER		GAS
	COMMS		ELECTRICAL		STORMWATER

NOTE: EXISTING SERVICES COVER TO BE ADJUSTED TO SUIT PROPOSED LEVELS.
REFER DRG: 600040 TO 600042 FOR COVER AND LEVEL ADJUSTMENT DETAIL.

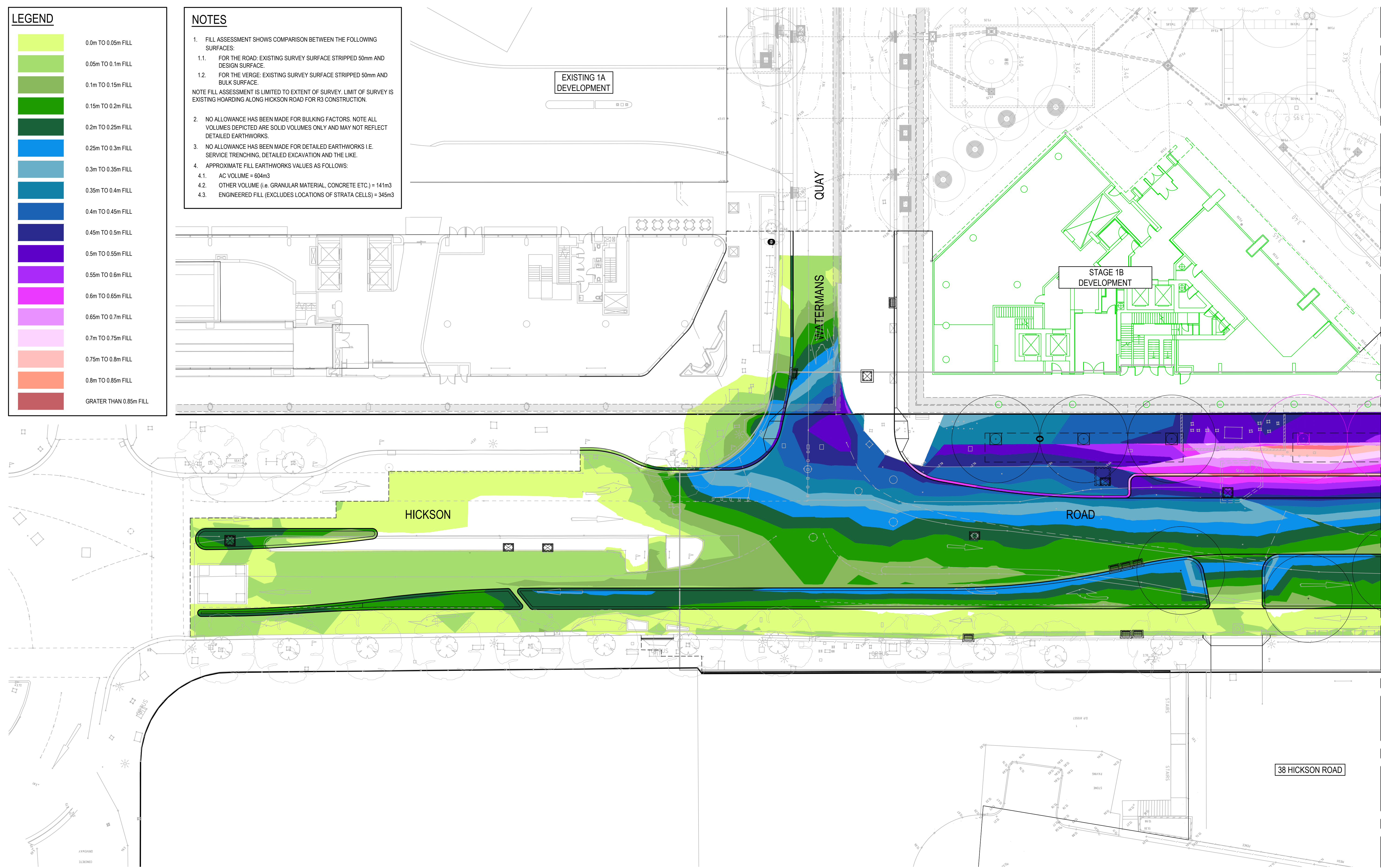
9	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
8	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
7	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
6	18/08/2025	ISSUED FOR 80% IFT / REF	EZ	EZ		MTL
5	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
4	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
3	4/03/2024	RE-ISSUED FOR COORDINATION	MDH	MTL		
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		
REV.	DATE	DESCRIPTION	DRN.	DS.	VERIF.	APP.



Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale 1:100	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
	Date 10/20/2023	
Title SITEWORKS AND STORMWATER MANAGEMENT PLAN SHEET 07	Size A1 Datum MGA 2020	Project Number/Drawing Number B1D-CD2-200046 Revision 9



- NOTES**
- FILL ASSESSMENT SHOWS COMPARISON BETWEEN THE FOLLOWING SURFACES:
 - FOR THE ROAD: EXISTING SURVEY SURFACE STRIPPED 50mm AND DESIGN SURFACE.
 - FOR THE VERGE: EXISTING SURVEY SURFACE STRIPPED 50mm AND BULK SURFACE.
 - NOTE FILL ASSESSMENT IS LIMITED TO EXTENT OF SURVEY. LIMIT OF SURVEY IS EXISTING HOARDING ALONG HICKSON ROAD FOR R3 CONSTRUCTION.
 - NO ALLOWANCE HAS BEEN MADE FOR BULKING FACTORS. NOTE ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY AND MAY NOT REFLECT DETAILED EARTHWORKS.
 - NO ALLOWANCE HAS BEEN MADE FOR DETAILED EARTHWORKS I.E. SERVICE TRENCHING, DETAILED EXCAVATION AND THE LIKE.
 - APPROXIMATE FILL EARTHWORKS VALUES AS FOLLOWS:
 - AC VOLUME = 604m³
 - OTHER VOLUME (i.e. GRANULAR MATERIAL, CONCRETE ETC.) = 141m³
 - ENGINEERED FILL (EXCLUDES LOCATIONS OF STRATA CELLS) = 345m³



FOR CONTINUATION REFER DRG: 200051

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
6	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
5	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL	MTL
4	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ	MTL	MTL
3	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
2	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
1	13/03/2024	ISSUED FOR INFORMATION	CB	MTL	MTL	MTL

Client

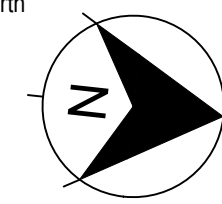
 

Scale

0 5 10 15 20m

SCALE 1:200 @A1

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title
BULK EARTHWORKS FILL PLAN

SHEET 01

Scale
1:200

Date
3/13/2024

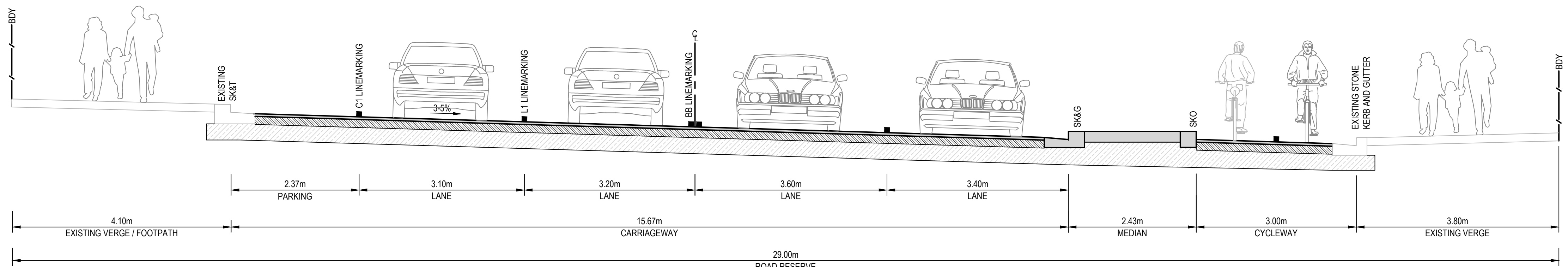
Size
A1

Datum
MGA 2020

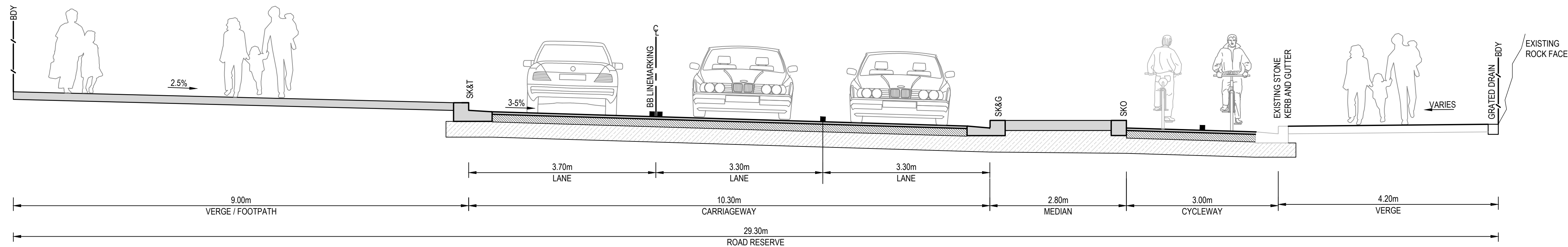
Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
B1D-CD2-200050

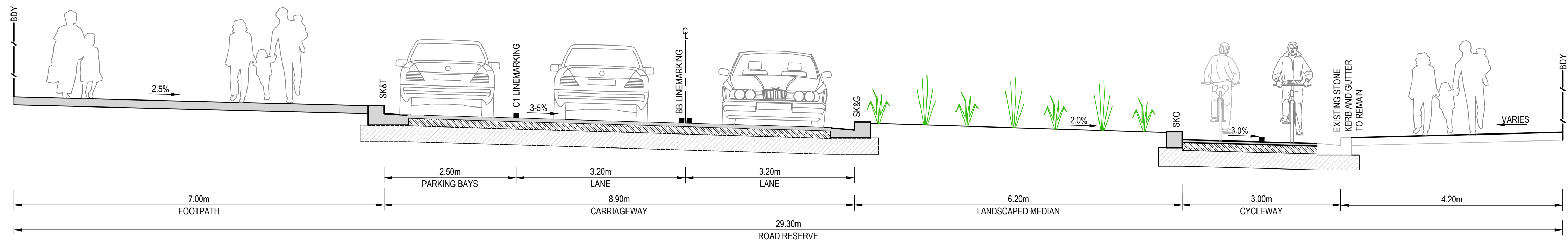
Revision
6



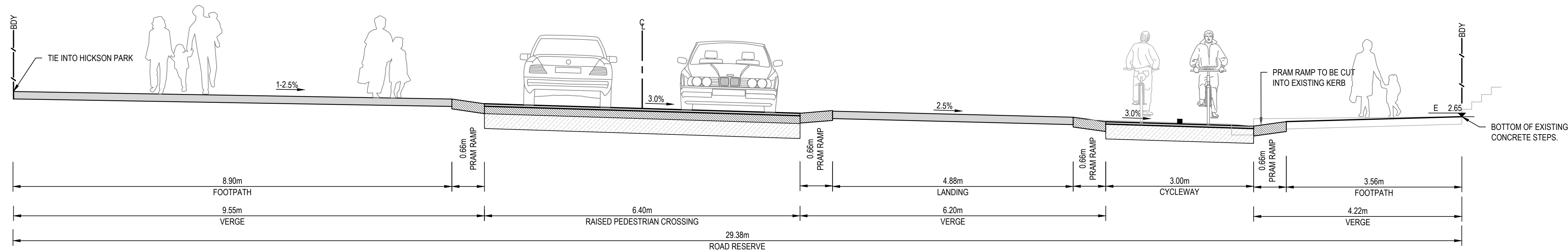
HICKSON ROAD (CH 220.00)
SCALE 1:50



HICKSON ROAD (CH 270.00)
SCALE 1:50

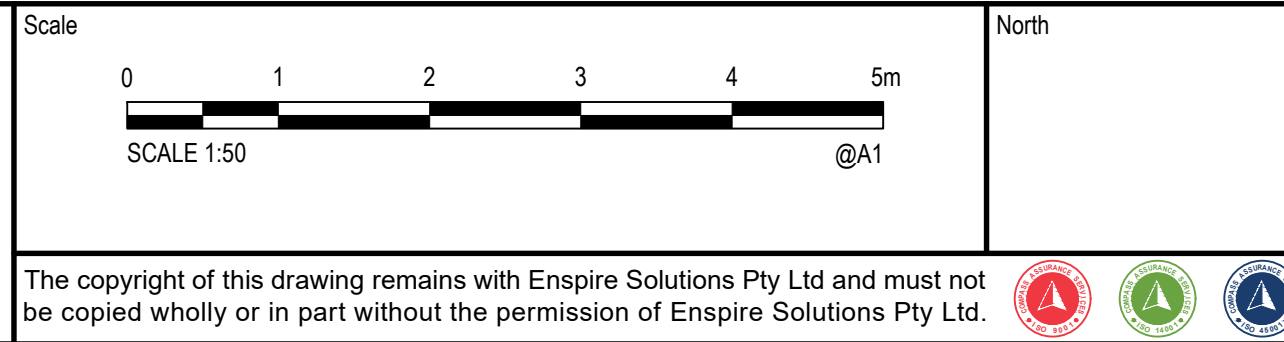


HICKSON ROAD (CH 320.00)
SCALE 1:50



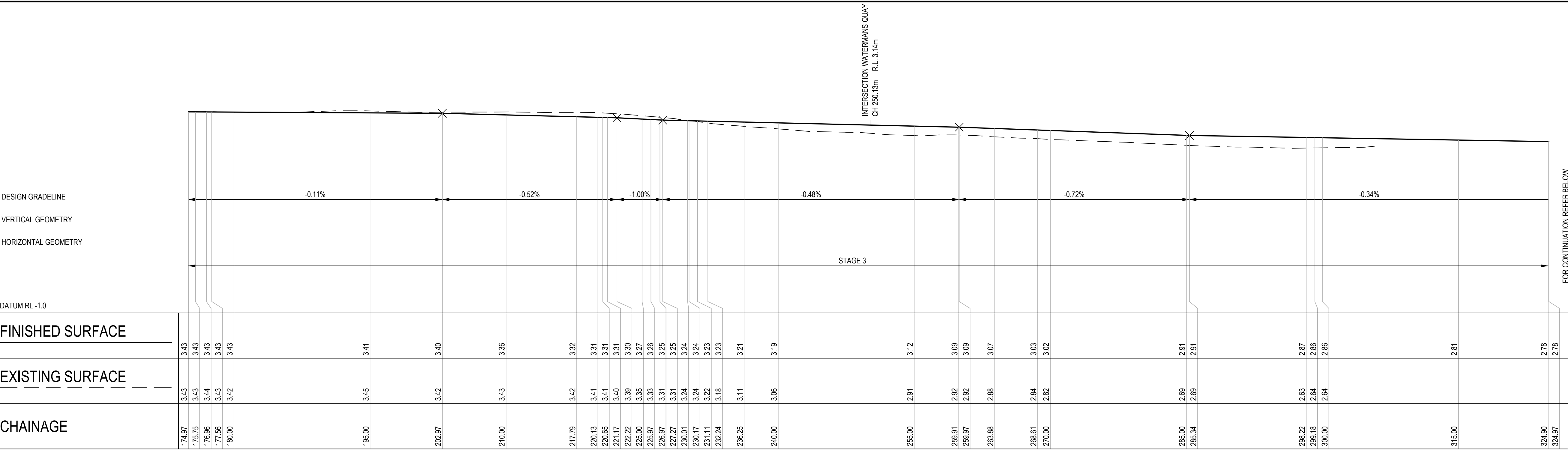
HICKSON ROAD (CH 345.00)
SCALE 1:50

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL



Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale 1:50 Date 10/20/2023	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Title ROAD TYPICAL CROSS SECTIONS	Size A1 Datum MGA 2020	Project Number/Drawing Number B1D-CD2-400001

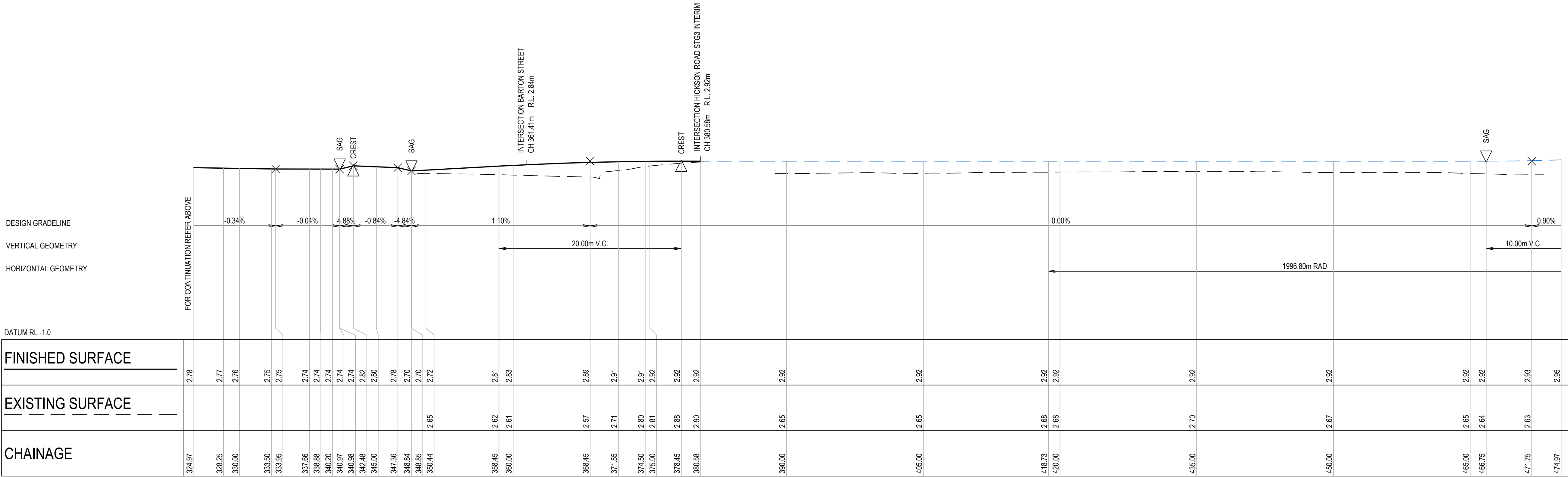
Revision 7



HICKSON ROAD LONGITUDINAL SECTION

SCALE 1:250 HORI

SCALE 1:50 VERT



HICKSON ROAD LONGITUDINAL SECTION

SCALE 1:250 HORI

SCALE 1:50 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

Client





Scale

0 5 10 15 20 25m

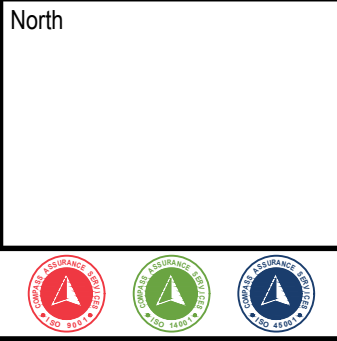
SCALE 1:250

0 1 2 3 4 5m

SCALE 1:50

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Scale
AS SHOWN

Date
10/20/2023

Title
ROAD LONGITUDINAL SECTIONS

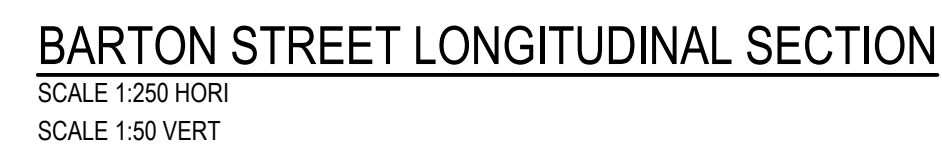
Size
A1

Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
B1D-CD2-400010

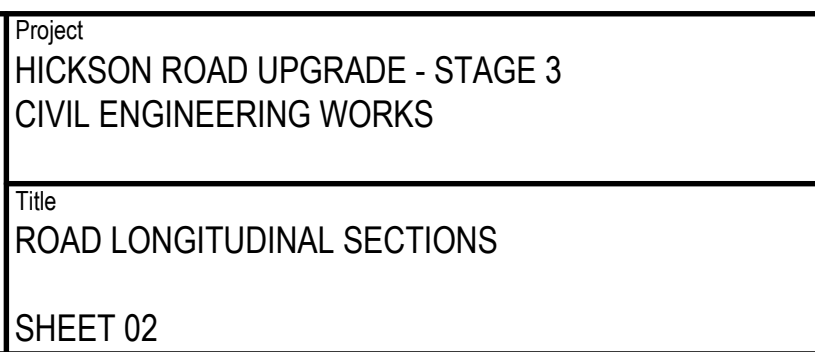
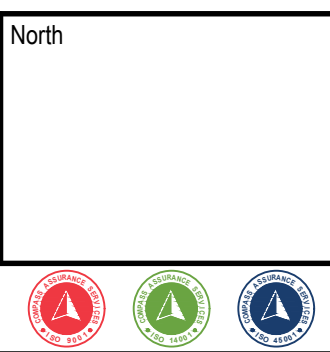
Revision
7



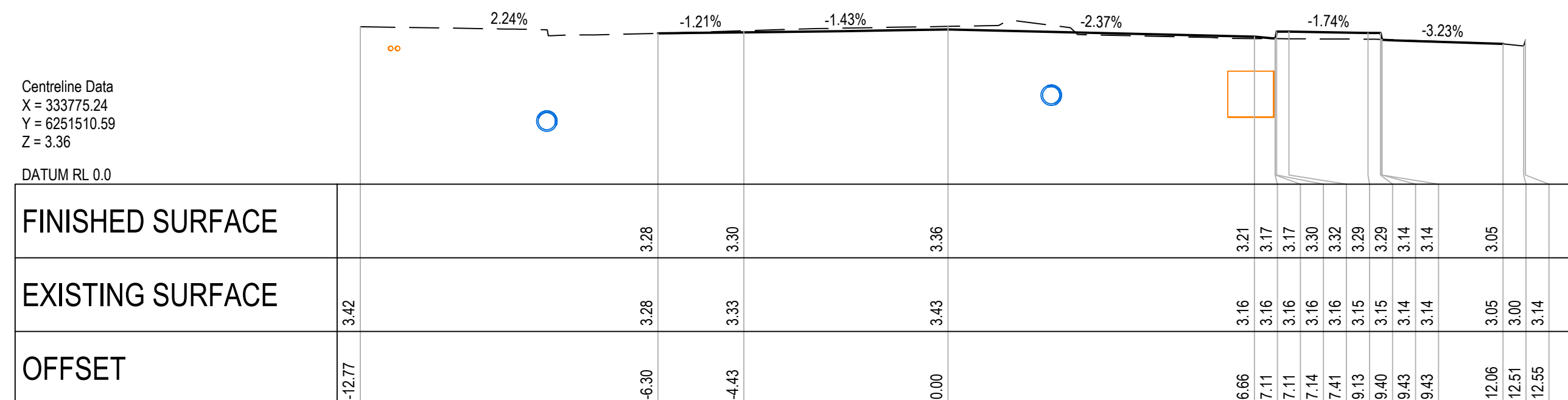
Client



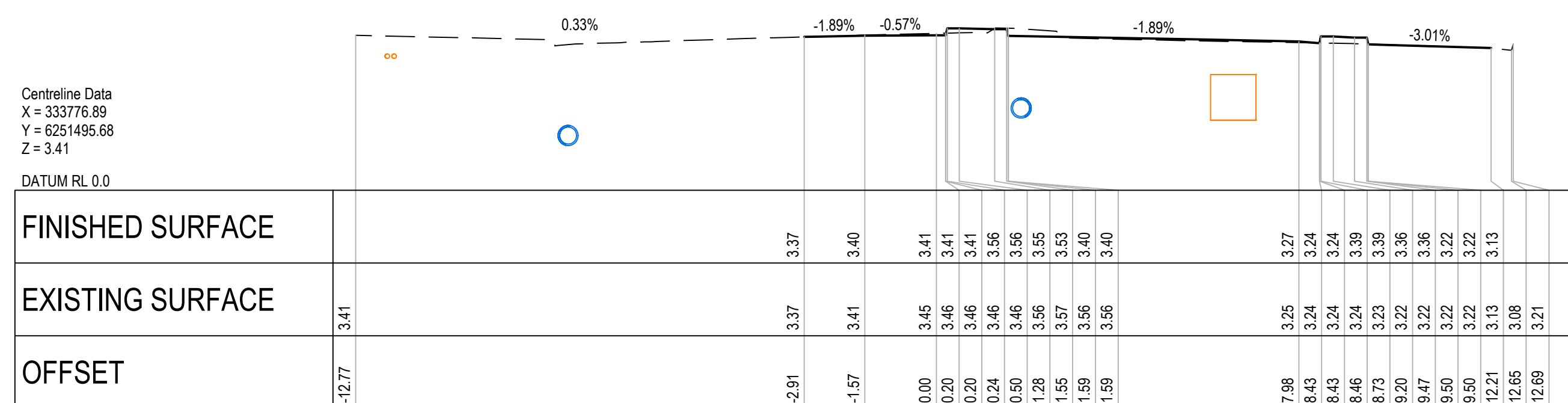
we are **in**sw Infrastructure
New South Wales



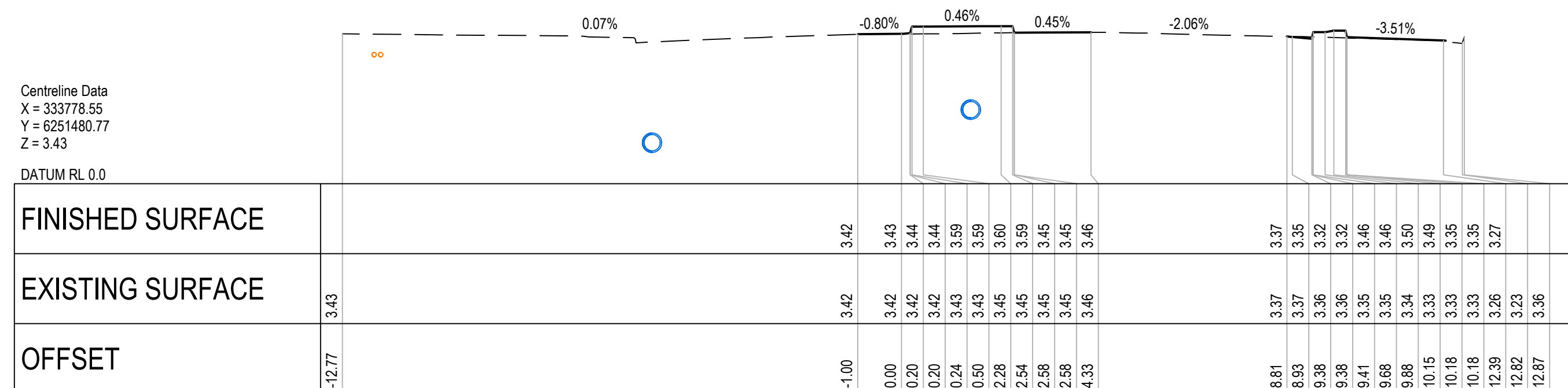
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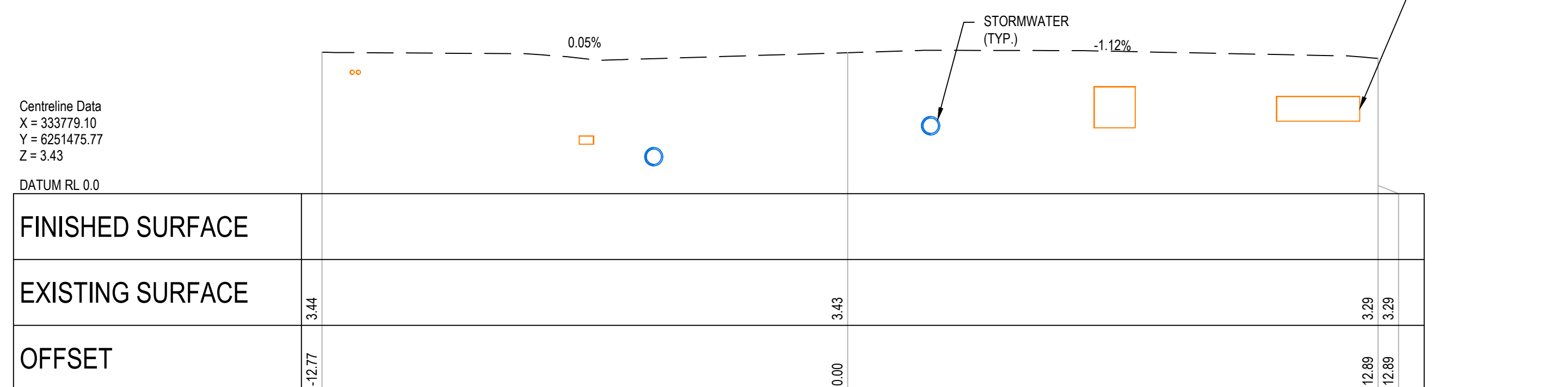
CHAINAGE 210.00



CHAINAGE 195.00



CHAINAGE 180.00



CHAINAGE 174.97

HICKSON ROAD

7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW		EZ	EZ	MTL
5	27/08/2025	ISSUED FOR COORDINATION		EZ	EZ	MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL
REV.	DATE	DESCRIPTION	CRN	DES.	VERIF.	APPD.

Client

Scale

North

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Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale 1:100 Date 10/20/2023	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION	
Title ROAD CROSS SECTIONS SHEET 01	Size A1 Datum MGA 2020	Project Number/Drawing Number B1D-CD2-500001	Revision 7

Centreline Data
X = 333770.29
Y = 6251555.31
Z = 3.12

DATUM RL -2.0

FINISHED SURFACE	3.35		3.31		3.35		3.30		3.12		3.00	2.96	2.96	3.11	2.90	2.83	2.90	2.82	2.75	2.75	2.69	2.76	2.76	2.90
EXISTING SURFACE									2.91		2.90	2.89	2.89	2.89	2.90	2.88	2.83	2.82	2.81	2.81	2.69	2.76	2.76	2.90
OFFSET	-33.60		-25.60		-17.51		-12.78		0.00		6.55	7.00	7.00	7.03	7.30	9.11	9.38	9.41	9.42		12.09	12.66	12.72	16.45

Centreline Data
X = 333771.94
Y = 6251540.40
Z = 3.19

DATUM RL 0.0

FINISHED SURFACE		3.48			3.39		3.39		3.25		3.20	3.18	3.15		3.07	3.03	3.03	3.18	3.18	3.05	2.90	2.81		
EXISTING SURFACE		3.41			3.29		3.39		3.00		3.04	3.06	3.07		2.99	2.99	2.99	2.98	2.98	2.93	2.89	2.84		
OFFSET		-30.99			-18.93				-4.06		-1.46	0.00	1.67		6.55	7.00	7.00	7.03	7.30	9.12	9.42	11.81	12.34	16.55

Centreline Data
X = 333773.59
Y = 6251525.49
Z = 3.27

DATUM RL 0.0

FINISHED SURFACE	3.50		3.36	3.36		3.27		3.15	3.11	3.11	3.11	3.11	3.19	3.19	3.04	2.97								
EXISTING SURFACE	3.50		3.34	3.34	3.23	3.25		3.08	3.07	3.07	3.07	3.06	3.02	3.02	3.02	2.97								
OFFSET	-17.14		-8.27	-7.99	-7.95	-7.46		6.55	7.00	7.00	7.03	7.30	9.12	9.39	9.42	11.92	12.36	12.38						

Centreline Data
X = 333774.13
Y = 6251520.65
Z = 3.31

DATUM RL 0.0

FINISHED SURFACE	3.50		3.28		3.30	3.31		3.17	3.13	3.13	3.13	3.28	3.23	3.23	3.08	3.01								
EXISTING SURFACE	3.49		3.28		3.37	3.41		3.11	3.09	3.09	3.09	3.08	3.06	3.06	3.06	2.99								
OFFSET	-17.14		-6.30		-1.70	0.00		6.55	7.00	7.00	7.03	7.30	9.13	9.40	9.43	11.95	12.40	12.43						

HICKSON ROAD

CHAINAGE 220.13

7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.



Scale

0 1 2 4 6 8 10m

SCALE 1:100 @A1

North

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Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale 1:100 Date 10/20/2023	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Title ROAD CROSS SECTIONS	Size A1 Datum MGA 2020	Project Number/Drawing Number B1D-CD2-500002 Revision 7
SHEET 02		

Centrel ine Data
X = 333766.98
Y = 6251585.13
Z = 2.92

DATUM RL -3.0

FINISHED SURFACE	3.50		3.40	3.39			3.26	3.26	3.11	3.10	3.01	2.97			2.84	2.80	2.80	2.93	2.95			2.74	2.74	2.62	2.59			2.51	2.48			2.66
EXISTING SURFACE							2.50	2.51	2.52	2.67	2.64	2.65			2.72	2.72	2.72	2.72	2.72			2.63	2.62	2.62	2.62			2.51	2.48			2.66
OFFSET	-17.51		-13.19	-12.88			-6.00	-5.74	-5.70	-5.25	-3.20	-2.75			3.63	4.09	4.09	4.12	4.40			9.10	9.37	9.40	9.41		11.92	12.45	12.46			16.61

CHAINAGE 285.00

Centrel ine Data
X = 333767.57
Y = 6251579.82
Z = 2.95

DATUM RL -2.0

FINISHED SURFACE	3.50		3.40	3.40			3.20	3.20	3.05	3.01		2.96				2.87	2.87	2.87	2.98	2.98			2.77	2.77	2.62	2.62			2.54	2.52			2.74
EXISTING SURFACE							2.66	2.67	2.67	2.69		2.75				2.76	2.76	2.76	2.76	2.75			2.68	2.67	2.66	2.66			2.54	2.52			2.74
OFFSET	-17.50		-12.93	-12.85			-3.50	-3.24	-3.20	-2.75		0.00				4.79	5.25	5.25	5.28	5.56			9.11	9.38	9.41	9.41		11.89	12.44	12.45			16.67

CHAINAGE 279.66

Centrel ine Data
X = 333768.64
Y = 6251570.22
Z = 3.02

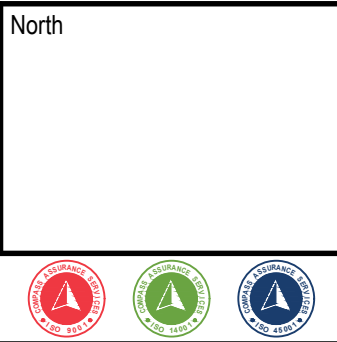
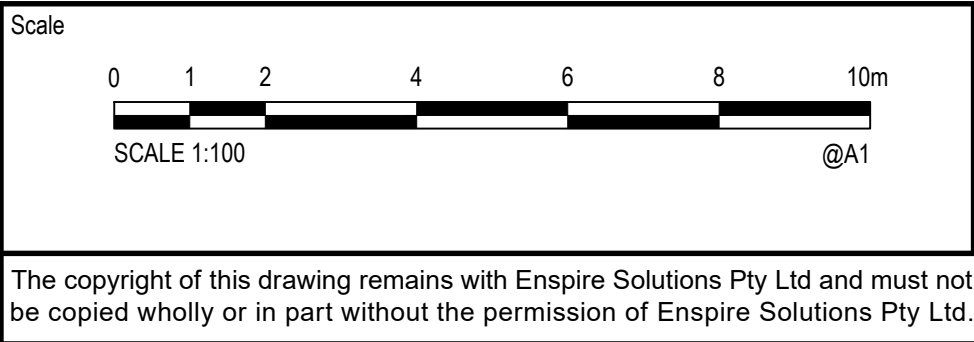
DATUM RL -2.0

FINISHED SURFACE	3.50		3.41	3.40			3.26	3.24	3.11	3.07						2.92	2.92	2.92	3.03	3.03			2.82	2.82	2.67	2.67			2.58	2.55			2.78
EXISTING SURFACE							2.74	2.74	2.74	2.75						2.81	2.80	2.80	2.80	2.79			2.72	2.71	2.70	2.67			2.58	2.55			2.78
OFFSET	-17.49		-12.81	-12.48			-4.02	-3.76	-3.72	-3.27						6.19	6.64	6.64	6.67	6.95			9.11	9.38	9.41	9.41		11.89	12.45	12.46			16.58

CHAINAGE 270.00

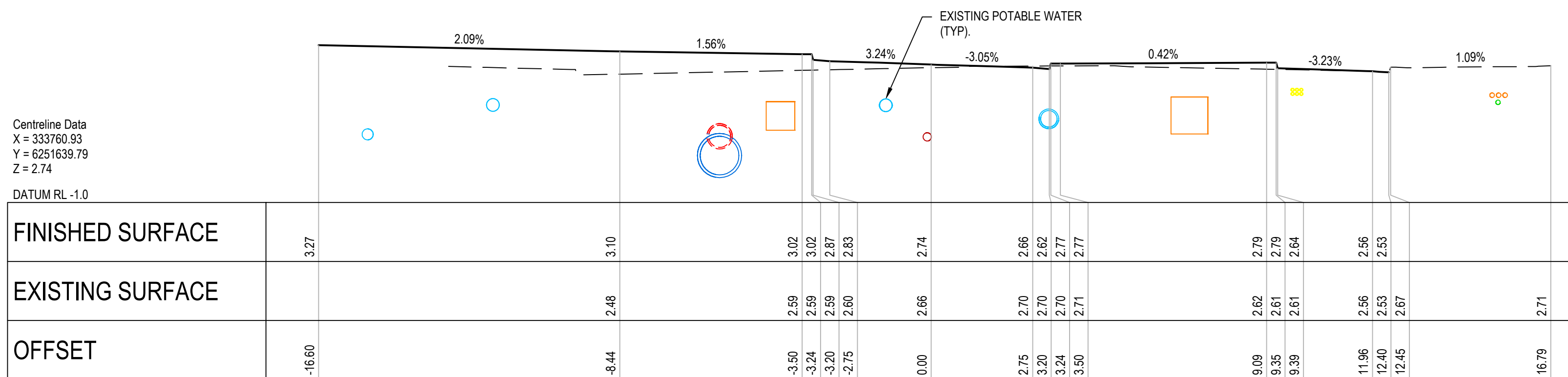
HICKSON ROAD

7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MTL	Client
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL	
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ	MTL	
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.

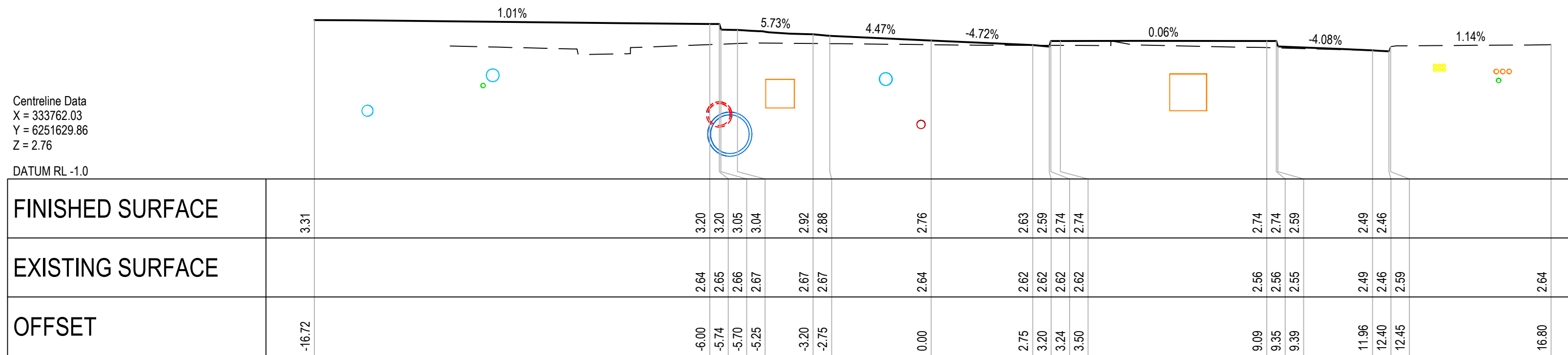


Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	ROAD CROSS SECTIONS
SHEET 03	

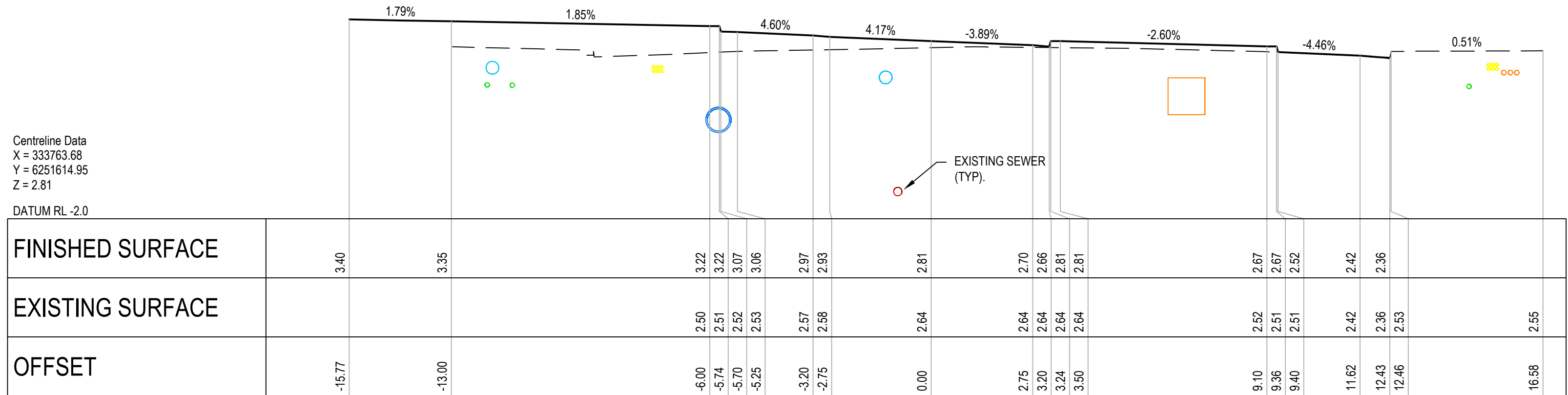
Scale	1:100	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	10/20/2023	Project Number/Drawing Number	B1D-CD2-500003
Size	A1	Revision	7
Datum	MGA 2020		



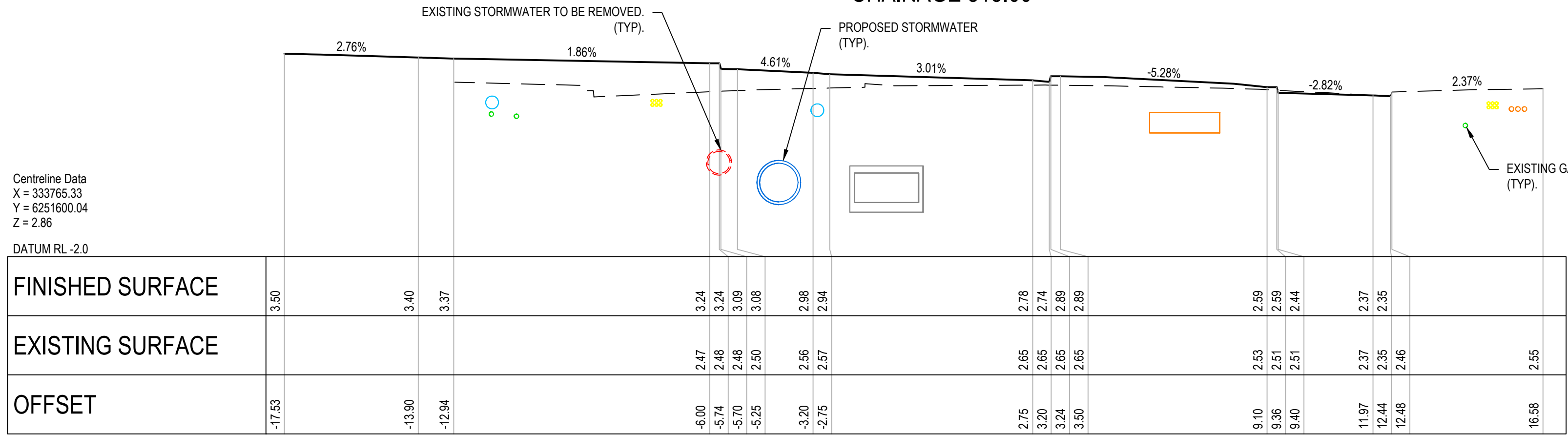
CHAINAGE 340.00



CHAINAGE 330.00



CHAINAGE 315.00



CHAINAGE 300.00

HICKSON ROAD

7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MTL	 	Client	Scale  Scale 1:100 @A1	North	 Enspire Solutions Pty Ltd Level 7, 54 Miller Street, North Sydney NSW 2060 ABN: 71 624 801 690 Phone: 02 9922 6135 enspiresolutions.com.au	Project	Scale	Status	
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL						HICKSON ROAD UPGRADE - STAGE 3	1:100	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION	
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ	MTL						CIVIL ENGINEERING WORKS	Date 10/20/2023		
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL MKH						Title	Size	Project Number/Drawing Number	Revision
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH MTL						ROAD CROSS SECTIONS	A1	B1D-CD2-500004	7
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD	MTL						SHEET 04	Datum MGA 2020		
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD	MTL									
REV.	DATE	DESCRIPTION	CRN	DES.	VERIF.	APPD								

DATUM RL -1.0

[illegible]

CHAINAGE 378.45

DATUM RL -1.0

[illegible]

CHAINAGE 375.00

DATUM RL -1.0

[illegible]

CHAINAGE 360.00

DATUM RL -1.0

[illegible]

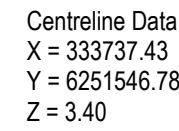
CHAINAGE 345.00

HICKSON ROAD

[illegible]

CAD File: P:\220059 HicksonRd\D-Civil\01-Stage 3\Drawings\6-DACC\B1D-CD2-500001-500018 ROAD CROSS SECTIONS.dwg

DATE PLOTTED: 11 November 2025 7:43 PM BY : STUART WOOD



DATUM RL -2.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Centreline Data
X = 333741.20
Y = 6251547.19
Z = 3.40



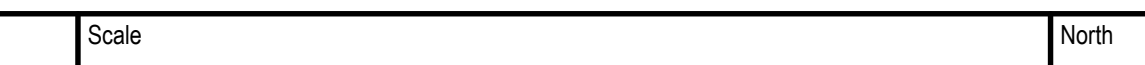
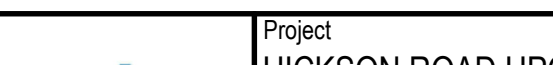
SECTION 2.0			
FINISHED SURFACE		3.50	3.50
EXISTING SURFACE			
OFFSET		-14.13	
		-6.05	3.29
		-5.79	3.30
		-5.75	3.30
		-5.30	3.30
		-4.95	3.30
			3.40
			3.35
			3.32
			3.28
			3.43
			3.43
			3.50

Centreline Data
X = 333751.14
Y = 6251548.29
Z = 3.39



FINISHED SURFACE		3.49	3.50
EXISTING SURFACE			
OFFSET		-20.10	

WATERMANS QUAY

7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL	Client  	Scale  North  Enspire Solutions Pty Ltd Level 7, 54 Miller Street, North Sydney NSW 2060 ABN: 71 624 801 690 Phone: 02 9922 6135 enspiresolutions.com.au	Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS		Scale 1:100	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION	
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL	Date 10/20/2023							
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ	MTL	Title ROAD CROSS SECTIONS			Size A1	Project Number/Drawing Number B1D-CD2-500006	Revision 7		
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL							MKH	
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH							MTL	
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD								MTL	
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL							
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.							

Centreline Data
X = 333724.25
Y = 6251666.94
Z = 3.31

DATUM RL -1.0

FINISHED SURFACE		3.40		3.37	3.37		3.31		3.36		3.40
EXISTING SURFACE		3.42		3.37	3.33	3.22	3.26		3.35	3.39	
OFFSET		-5.84		-3.83	-3.57	-3.53	-3.08	0.00	3.01	3.46	10.90

CHAINAGE 35.16

Centreline Data
X = 333729.23
Y = 6251665.57
Z = 3.25

DATUM RL -1.0

FINISHED SURFACE		3.38		3.30	3.15		3.25		3.30		3.40
EXISTING SURFACE		3.37		3.17	3.16	3.16	3.24		3.31	3.35	2.64
OFFSET		-7.01		-3.57	-3.53	-3.08	0.00		3.01	3.46	10.90

CHAINAGE 30.00

Centreline Data
X = 333741.57
Y = 6251662.19
Z = 3.11

DATUM RL -1.0

FINISHED SURFACE		3.20		3.15	3.00	3.04		3.11		3.17		3.40	3.40	3.40
EXISTING SURFACE		3.09	3.04	2.87	2.90	2.90	2.90	2.90		2.87	2.85	2.92	2.51	2.50
OFFSET		-7.65	-5.96	-3.83	-3.57	-3.53	-3.08	0.00		3.01	3.46	3.50	10.90	11.42

CHAINAGE 17.20

BARTON STREET

7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.



Scale



SCALE 1:100 @A1

North



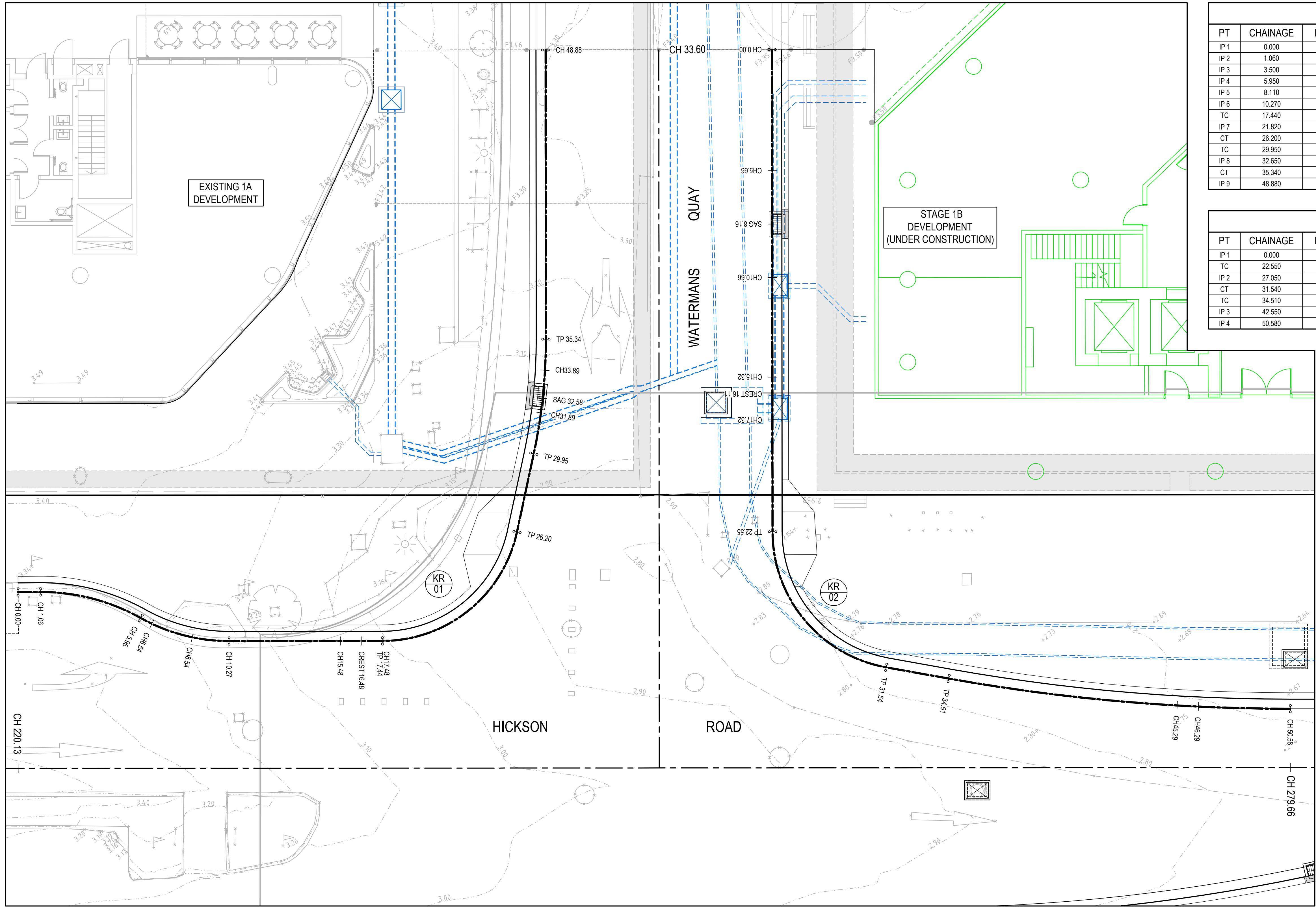
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Enspire Solutions Pty Ltd
Level 7, 54 Miller Street, North Sydney NSW 2060
ABN: 71 624 801 690
Phone: 02 9922 6135
[enspiresolutions.com.au](https://www.enspiresolutions.com.au)

Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale 1:100	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Title ROAD CROSS SECTIONS	Size A1	Project Number/Drawing Number B1D-CD2-500007
Datum MGA 2020		Revision 7
SHEET 07		



HICKSON ROAD AND WATERMANS QUAY INTERSECTION
SCALE 1:100

KERB RETURN 'KR01' SETOUT TABLE							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	333765.930	6251519.750	353°38'44.36"			
IP 2	1.060	333765.810	6251520.800				
IP 3	3.500	333765.530	6251523.280		R = 9.550	4.890	29°19'34.50"
IP 4	5.950	333766.510	6251525.580				
IP 5	8.110	333767.370	6251527.620		R = -8.450	4.320	29°17'36.15"
IP 6	10.270	333767.130	6251529.810				
TC	17.440	333766.340	6251536.940	353°40'42.74"			
IP 7	21.820	333765.760	6251542.120		R = -6.450	8.760	77°51'26.79"
CT	26.200	333760.580	6251542.650	275°49'15.95"			
TC	29.950	333766.860	6251543.030	275°49'15.95"			
IP 8	32.650	333754.160	6251543.300		R = -25.450	5.400	12°09'06.21"
CT	35.340	333751.470	6251543.000	263°40'09.74"			
IP 9	48.880	333738.020	6251541.510	263°40'09.74"			

KERB RETURN 'KR02' SETOUT TABLE							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	333736.840	6251552.040	83°40'09.74"			
TC	22.550	333759.260	6251554.530	83°40'09.74"			
IP 2	27.050	333764.620	6251555.130		R = -6.450	8.980	79°48'41.33"
CT	31.540	333764.980	6251560.510	3°51'28.41"			
TC	34.510	333765.180	6251563.480	3°51'28.41"			
IP 3	42.550	333765.730	6251571.510		R = -90.450	16.070	10°10'45.67"
IP 4	50.580	333764.840	6251579.520	353°40'42.74"			

NOTE
REFER DRG: 500021 FOR 'KR01' AND 'KR02'
KERB RETURN PROFILE LONGITUDINAL SECTIONS.

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

Client



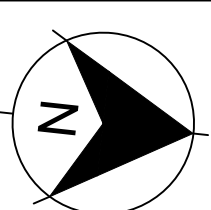
Scale



SCALE 1:100 @A1

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Project

HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title

INTERSECTION PLAN
AND KERB RETURN PROFILE
SHEET 01

Scale

1:100

Date

10/20/2023

Size

A1

Datum

MGA 2020

Status

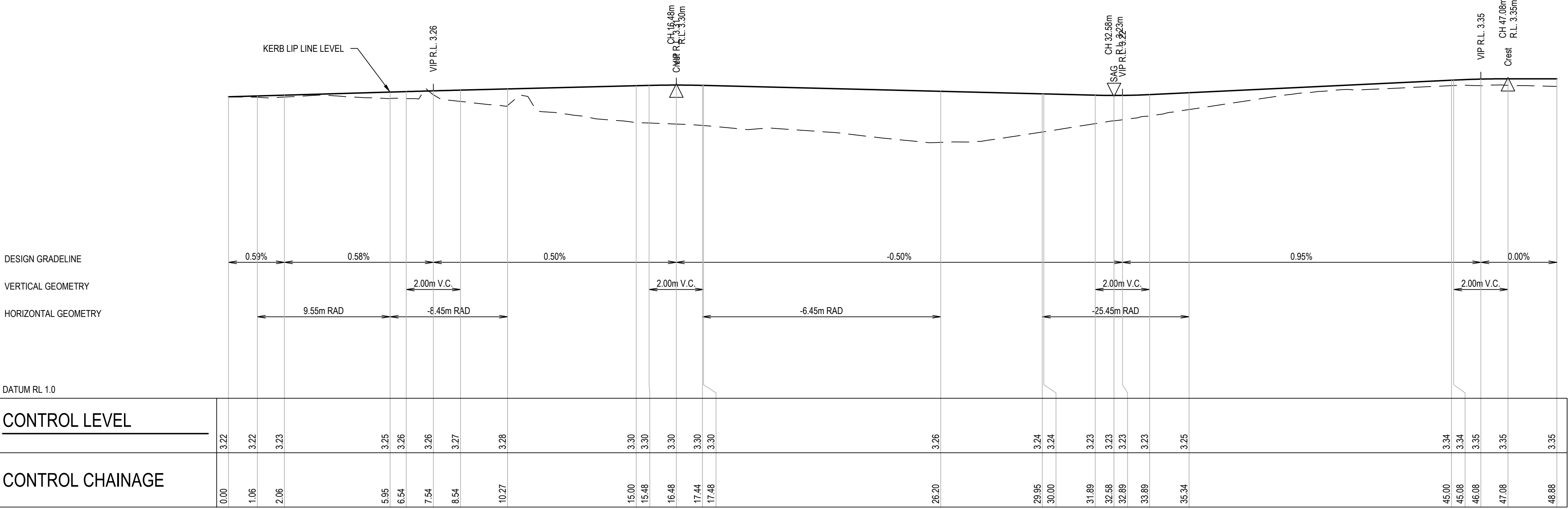
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number

B1D-CD2-500020

Revision

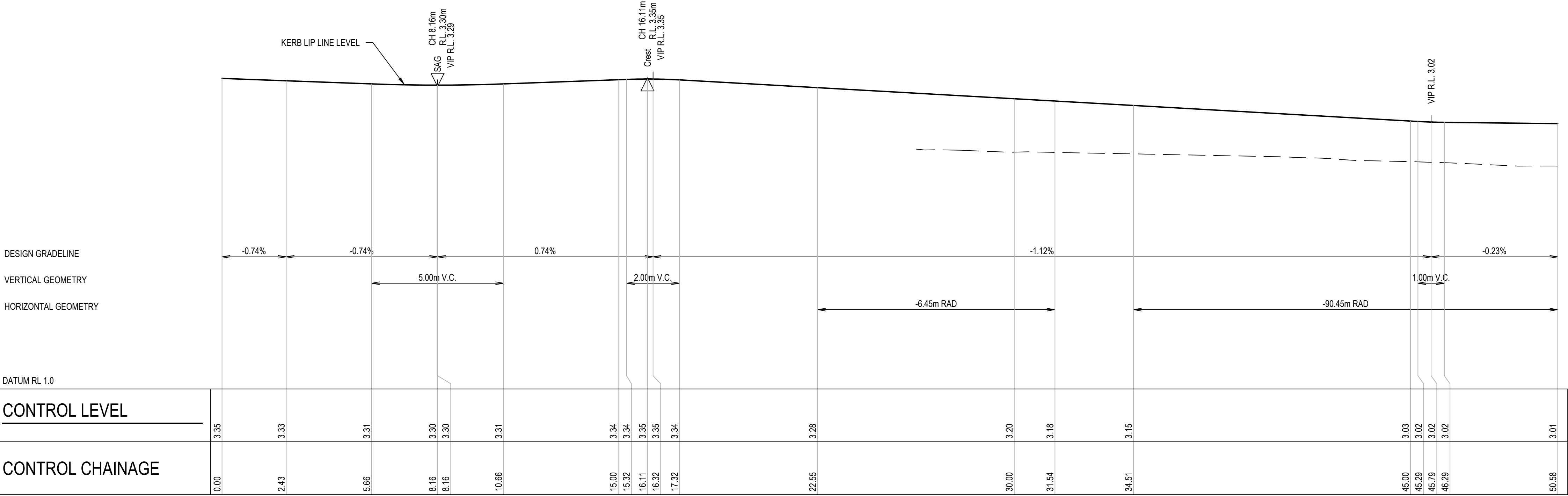
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KERB RETURN 'KR01' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1

VERTICAL SCALE 1:20@A1



KERB RETURN 'KR02' LONGITUDINAL SECTION

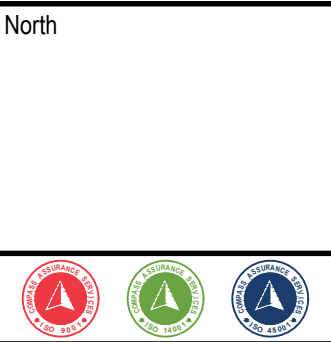
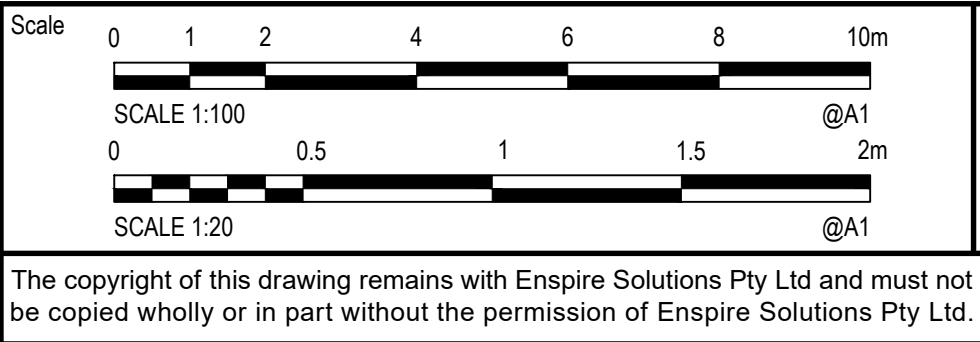
HORIZONTAL SCALE 1:100@A1

VERTICAL SCALE 1:20@A1

NOTE

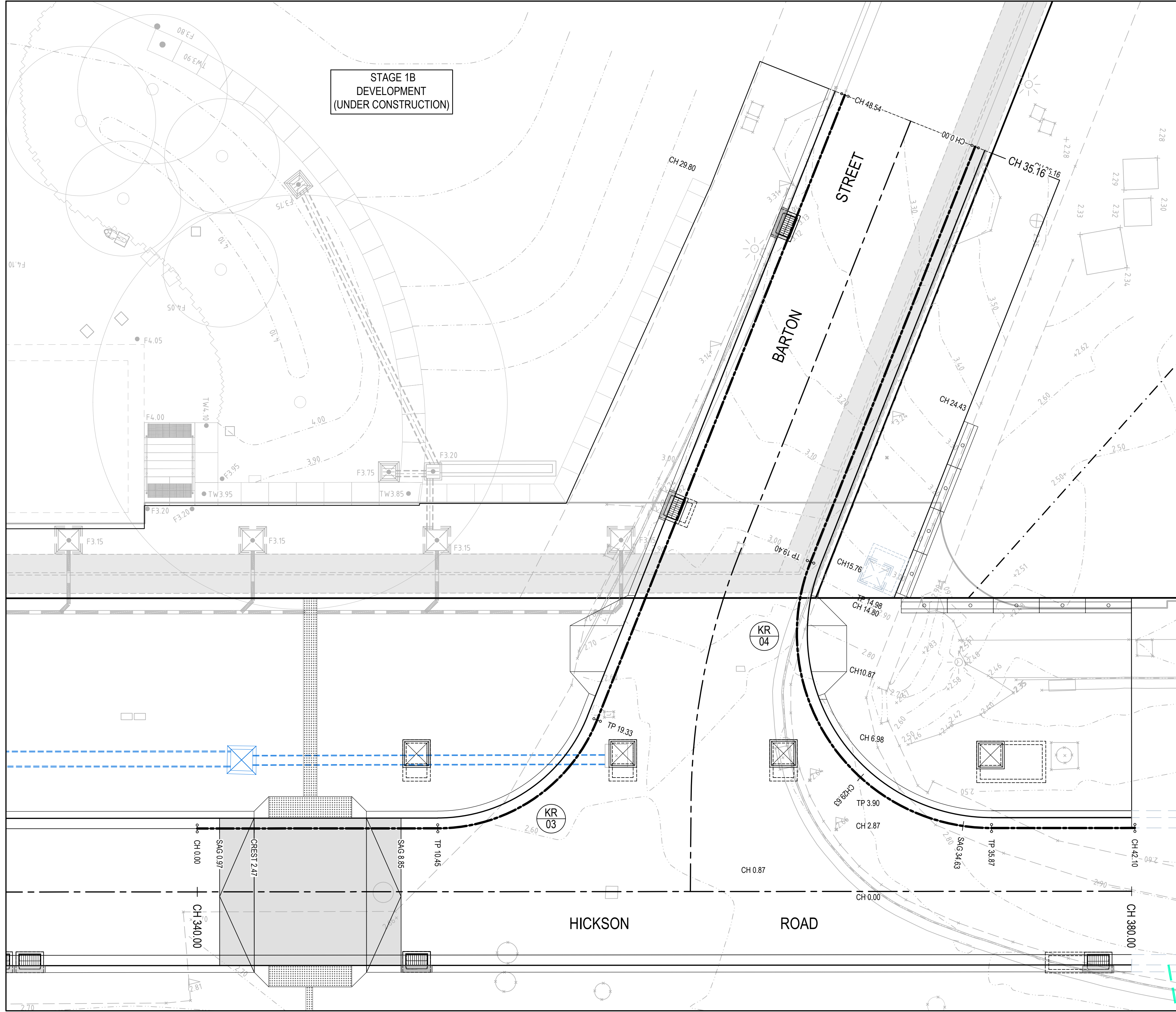
REFER DRG: 500020 FOR 'KR01' AND 'KR02'
KERB RETURN INTERSECTION PLAN.

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL



Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	INTERSECTION PLAN AND KERB RETURN PROFILE SHEET 02

Scale	AS SHOWN	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	10/20/2023	Project Number/Drawing Number	B1D-CD2-500021
Size	A1	Revision	7
Datum	MGA 2020		



KERB RETURN 'KR03' SETOUT TABLE							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	333758.190	6251639.490	353°40'42.74"			
TC	10.450	333757.040	6251649.880	353°40'42.74"			
IP 2	14.890	333756.480	6251654.910		R = -7.450	8.890	68°20'39.49"
CT	19.330	333751.610	6251656.240	285°20'03.24"			
IP 3	48.540	333723.440	6251663.970	285°20'03.24"			

KERB RETURN 'KR04' SETOUT TABLE							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	333725.050	6251669.840	105°20'03.24"			
TC	19.400	333743.760	6251664.710	105°20'03.24"			
IP 2	27.640	333755.770	6251661.420		R = -8.450	16.470	111°39'20.06"
CT	35.870	333754.400	6251673.790	353°40'43.18"			
IP 3	42.100	333753.710	6251679.970	353°40'43.18"			

NOTE
REFER DRG: 500023 FOR 'KR03' AND 'KR04'
KERB RETURN PROFILE LONGITUDINAL SECTIONS.

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

Client

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Scale

0 1 2 4 6 8 10m

SCALE 1:100 @A1

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

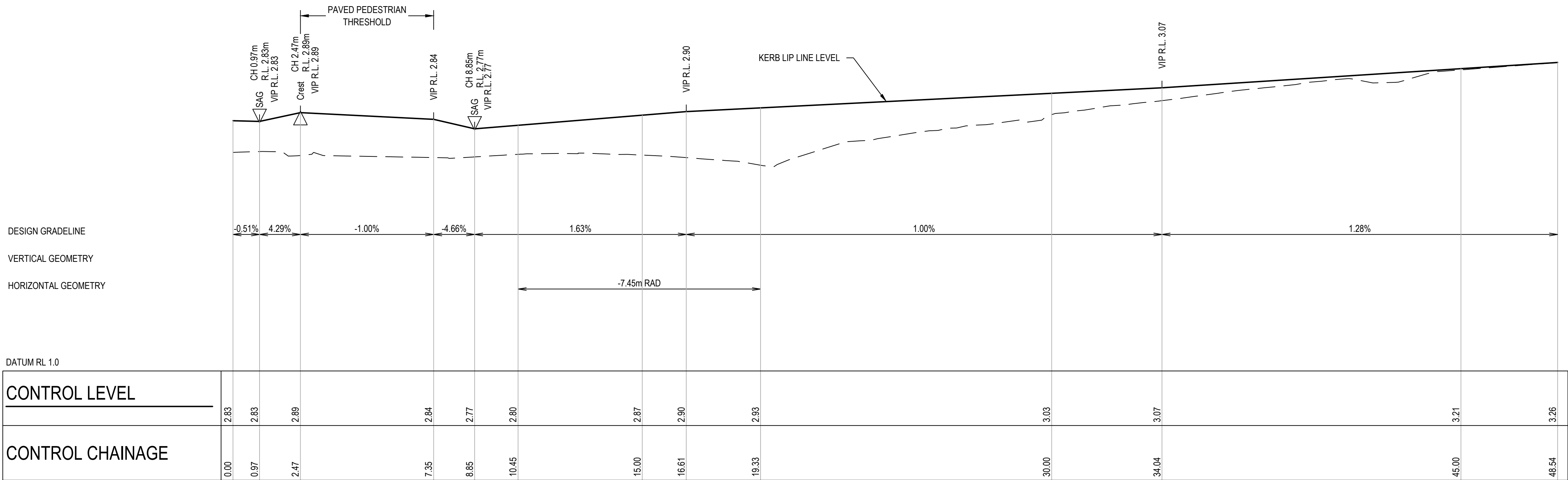
Title
INTERSECTION PLAN
AND KERB RETURN PROFILE
SHEET 03

Scale
1:100
Date
10/20/2023
Size
A1
Datum
MGA 2020

Status
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Project Number/Drawing Number
B1D-CD2-500022

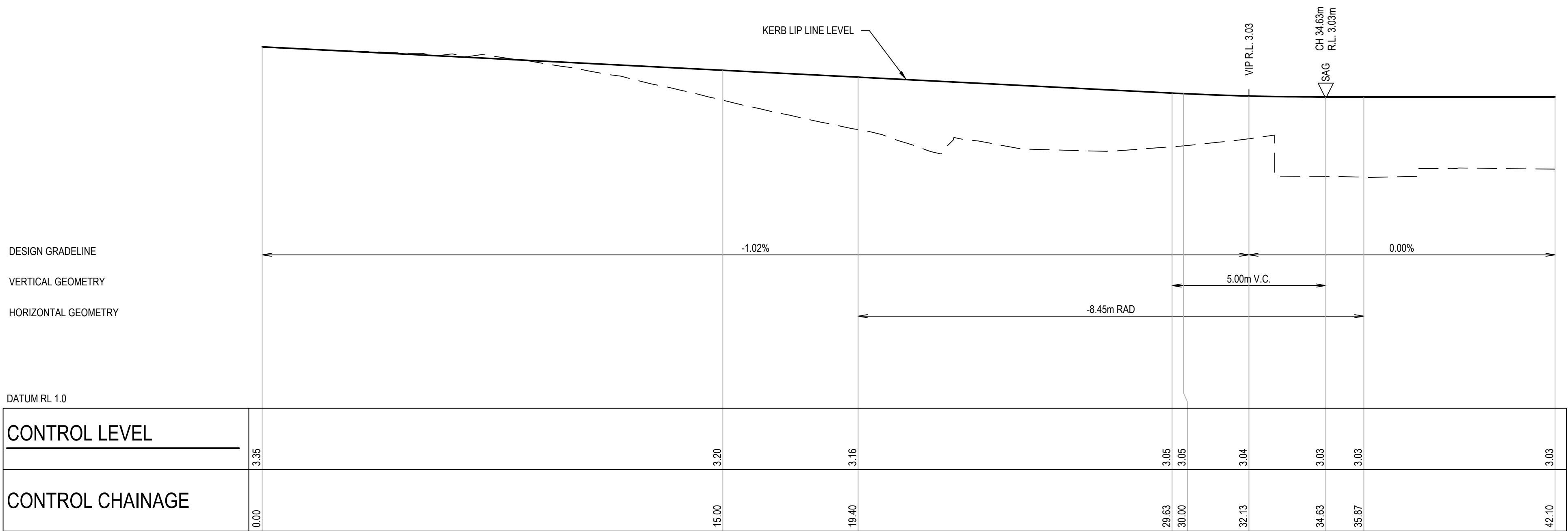
Revision
7



KERB RETURN 'KR03' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1

VERTICAL SCALE 1:20@A1



KERB RETURN 'KR04' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1

VERTICAL SCALE 1:20@A1

NOTE

REFER DRG: 500022 FOR 'KR03' AND 'KR04'
KERB RETURN INTERSECTION PLAN.

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

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Scale

0 1 2 4 6 8 10m

SCALE 1:100 @A1

0 0.5 1 1.5 2m

SCALE 1:20 @A1

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

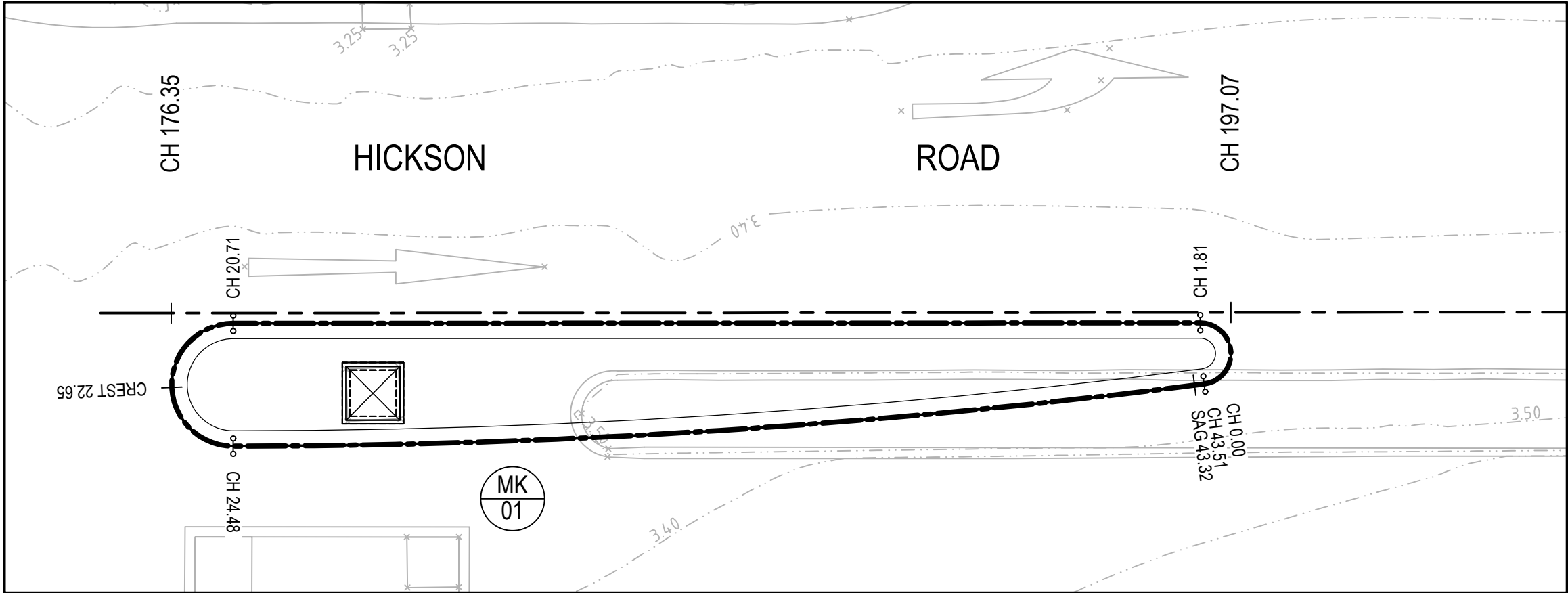
Title
INTERSECTION PLAN
AND KERB RETURN PROFILE
SHEET 04

Scale
AS SHOWN
Date
10/20/2023
Size
A1
Datum
MGA 2020

Status
FOR INFORMATION ONLY
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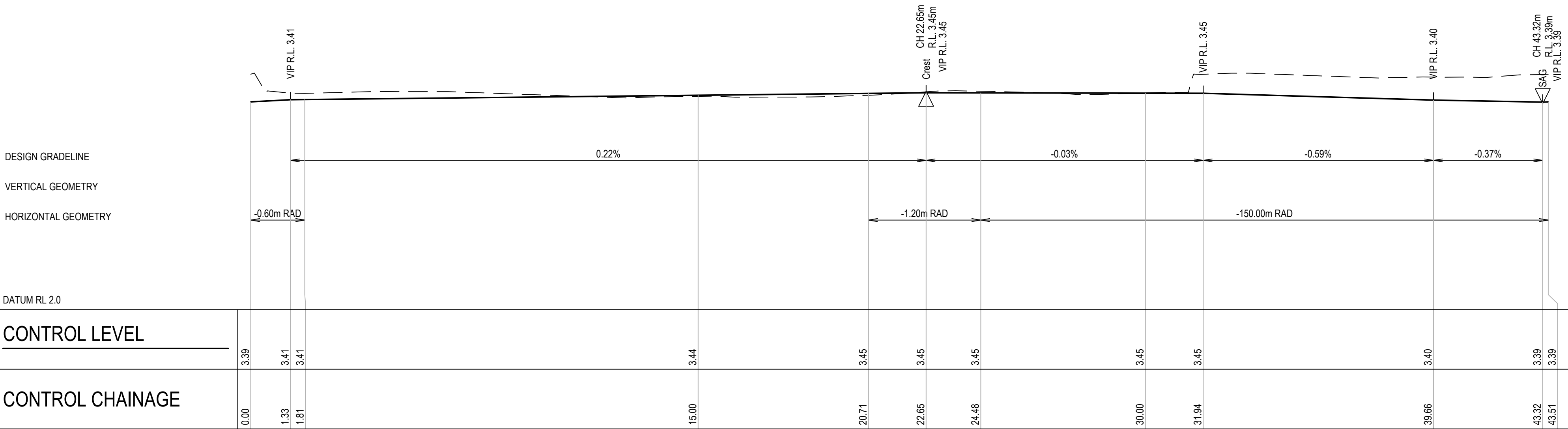
Project Number/Drawing Number
B1D-CD2-500023

Revision
7



HICKSON ROAD MEDIAN ISLAND MK01
SCALE 1:100

KERB RETURN 'MK01' SETOUT TABLE							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	333778.110	6251497.360				
IP 2	0.450	333777.980	6251497.910		R = -0.600	0.900	86°21'59.75"
CC	0.900	333777.430	6251497.810	260°03'12.00"			
IP 3	1.360	333776.870	6251497.720		R = -0.600	0.900	86°21'59.75"
IP 4	1.810	333776.930	6251497.160				
IP 5	20.710	333779.010	6251478.370				
IP 6	21.650	333779.140	6251477.180		R = -1.200	1.880	90°00'00.00"
CC	22.600	333780.340	6251477.310	83°40'42.74"			
IP 7	23.540	333781.530	6251477.440		R = -1.200	1.880	90°00'00.00"
IP 8	24.480	333781.400	6251478.630				
IP 9	33.990	333780.350	6251488.100		R = -150.000	19.030	7°16'05.26"



MEDIAN ISLAND 'MK01' LONGITUDINAL SECTION
HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:20@A1

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
5	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
4	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
3	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
2	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL

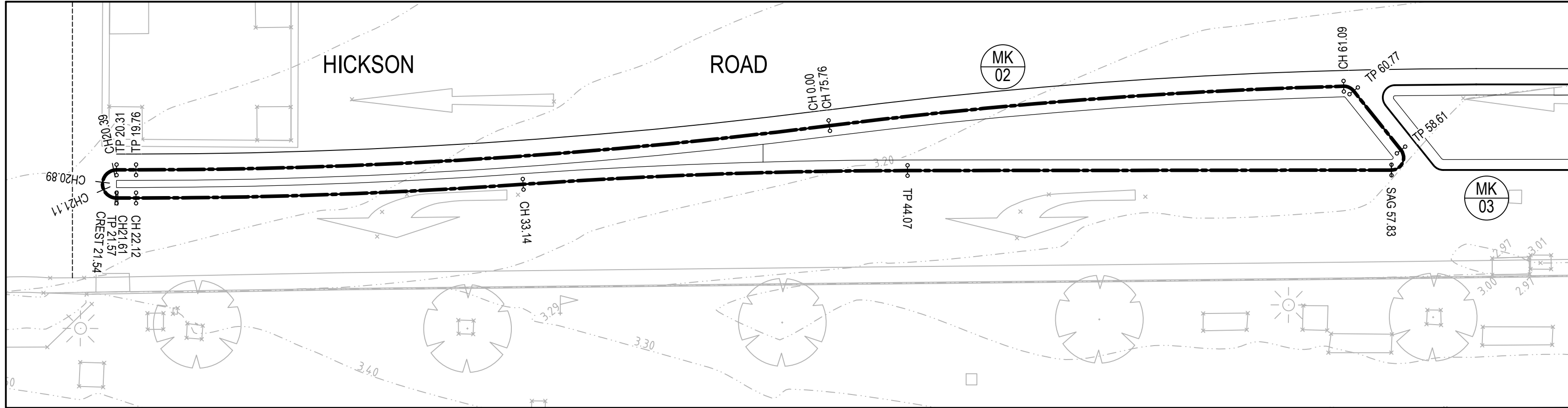
Client

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SCALE 1:20
0 1 2 4 6 8 10m
SCALE 1:100

North

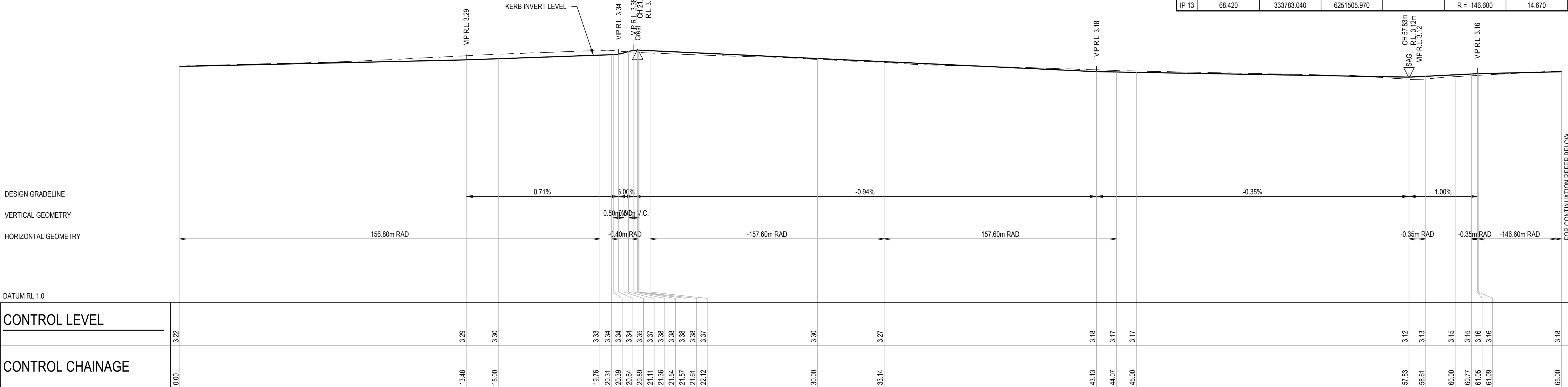
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Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION	
	Date 3/22/2024		
Title MEDIAN ISLAND PLAN AND KERB PROFILES SHEET 01	Size A1	Project Number/Drawing Number B1D-CD2-500050	Revision 5
	Datum MGA 2020		



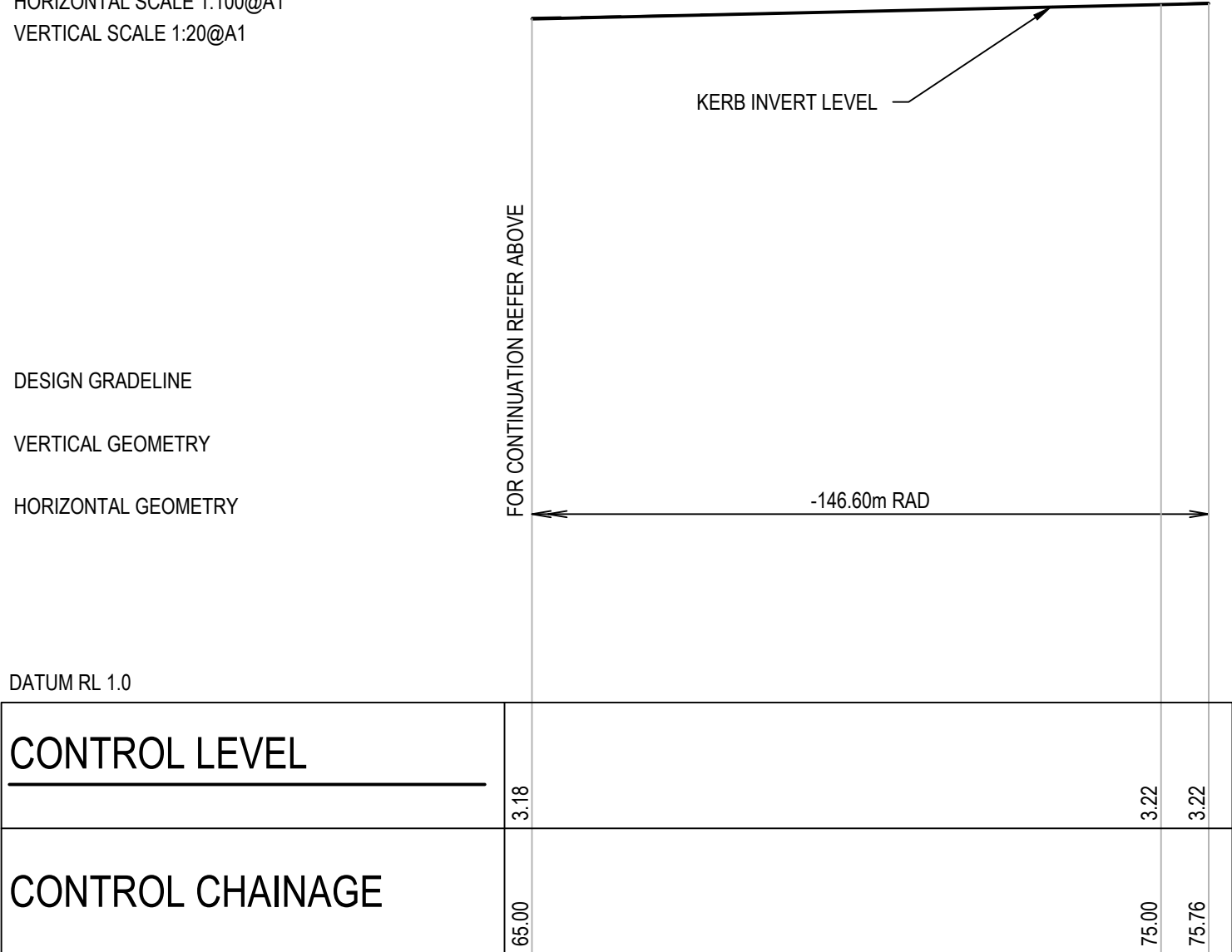
HICKSON ROAD MEDIAN ISLAND MK02

SCALE 1:100



MEDIAN ISLAND 'MK02' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:20@A1



MEDIAN ISLAND 'MK02' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:20@A1

KERB RETURN 'MK02' SETOUT TABLE							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	333784.750	6251498.840		R = 156.800	19.760	7°13'15.52"
IP 2	9.880	333787.070	6251489.220				
CT	19.760	333788.160	6251479.380	173°41'17.03"			
TC	20.310	333788.220	6251478.830	173°41'17.03"	R = -0.400	0.630	90°00'00.00"
IP 3	20.630	333788.260	6251478.440				
CT	20.940	333788.660	6251478.480	83°41'17.03"			
IP 4	21.260	333789.060	6251478.520		R = -0.400	0.630	90°00'00.00"
CT	21.570	333789.010	6251478.920	353°41'17.03"			
IP 5	22.120	333788.950	6251479.470				
IP 6	27.630	333788.350	6251484.950		R = -157.600	11.010	4°00'14.07"
IP 7	33.140	333787.360	6251490.370				
IP 8	38.600	333786.380	6251495.750				
CT	44.070	333785.780	6251501.180	353°39'33.07"	R = 157.600	10.930	3°58'30.12"
TC	57.830	333784.260	6251514.850	353°39'33.07"			
IP 9	58.020	333784.230	6251515.070				
CT	58.220	333784.020	6251515.150	289°19'46.54"	R = -0.350	0.390	64°19'46.54"
IP 10	58.420	333783.820	6251515.220				
CT	58.610	333783.660	6251515.060	225°00'00.00"			
TC	60.770	333782.140	6251513.540	225°00'00.00"	R = -0.350	0.320	52°47'57.99"
IP 11	60.930	333782.020	6251513.420				
IP 12	61.090	333782.040	6251513.250				
IP 13	68.420	333783.040	6251505.970		R = -146.600	14.670	5°44'00.50"

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
5	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
4	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
3	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
2	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL

Client

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Scale

0 0.5 1 1.5 2m

SCALE 1:20 @A1

0 1 2 4 6 8 10m

SCALE 1:100 @A1

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

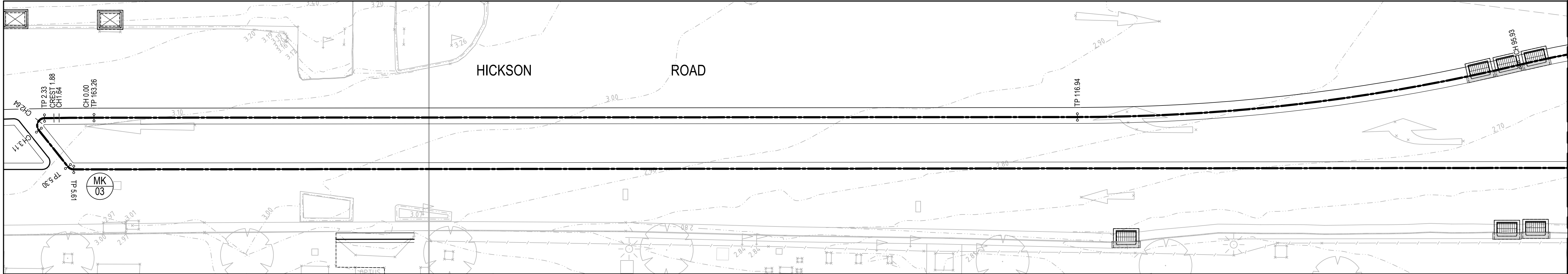
Title
MEDIAN ISLAND PLAN
AND KERB PROFILES
SHEET 02

Scale
AS SHOWN
Date
3/22/2024

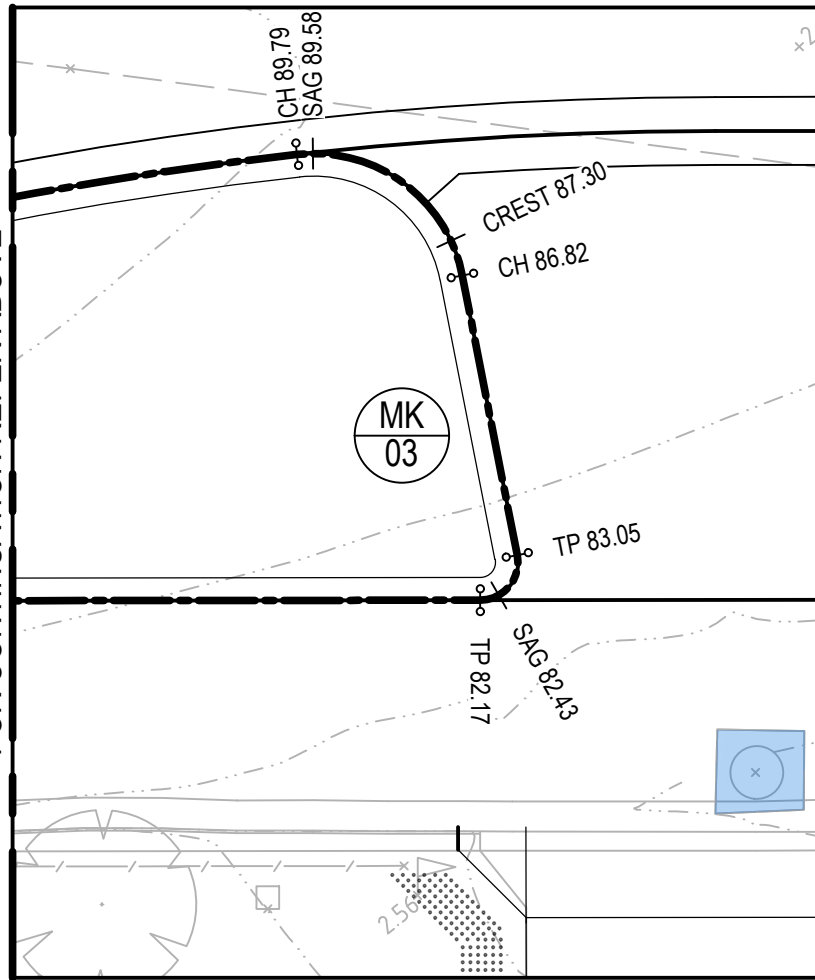
Status
FOR INFORMATION ONLY
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Project Number/Drawing Number
B1D-CD2-500051

Revision
5



FOR CONTINUATION REFER BELOW



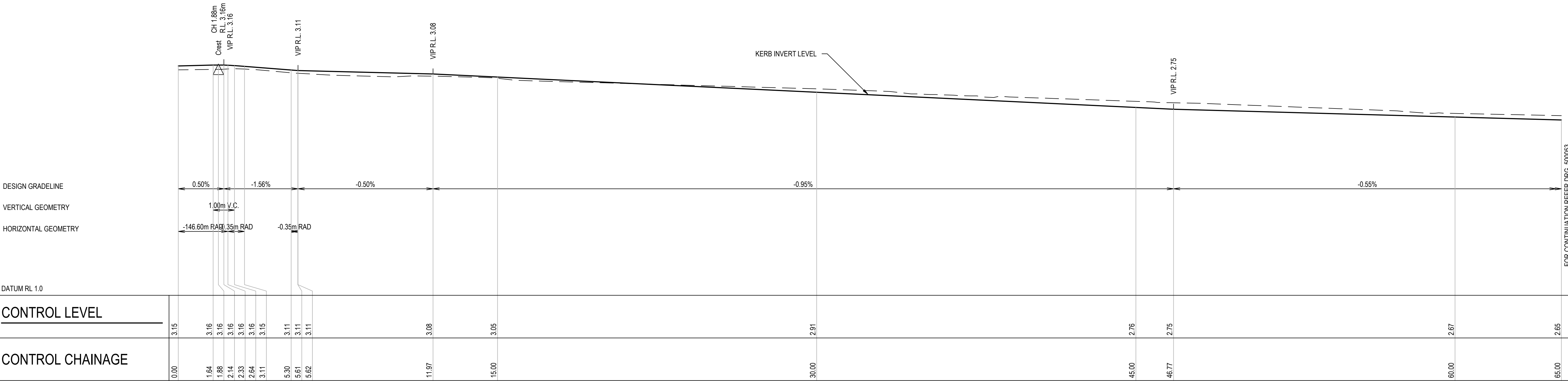
HICKSON ROAD MEDIAN ISLAND MK03

SCALE 1:100

KERB RETURN 'MK03' SETOUT TABLE							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	333781.570	6251517.000				
IP 2	1.160	333781.700	6251515.840		R = -146.600	2.330	0°54'36.77"
CC	2.330	333781.850	6251514.690	172°46'05.97"			
IP 3	2.520	333781.880	6251514.470		R = -0.350	0.390	63°53'02.98"
CC	2.720	333782.080	6251514.400	108°53'02.99"			
IP 4	2.910	333782.290	6251514.330		R = -0.350	0.390	63°53'02.98"
IP 5	3.110	333782.440	6251514.480				
TC	5.300	333783.990	6251516.030	45°00'00.00"			
IP 6	5.460	333784.110	6251516.150		R = -0.350	0.310	51°20'26.93"
CT	5.610	333784.090	6251516.320	353°39'33.07"			
TC	82.170	333775.640	6251592.400	353°39'33.07"			
IP 7	82.610	333775.570	6251593.010		R = -0.500	0.880	101°02'36.48"
CT	83.050	333774.990	6251592.820	252°36'56.59"			
IP 8	86.820	333771.400	6251591.700				
IP 9	88.300	333769.640	6251591.150		R = -2.000	2.980	85°17'17.61"
IP 10	89.790	333770.040	6251589.350				
IP 11	92.860	333770.720	6251586.360		R = -50.000	6.130	7°01'43.84"
IP 12	95.930	333771.750	6251583.460				
IP 13	106.440	333775.310	6251573.530		R = 90.000	21.020	13°22'47.62"
CT	116.940	333776.480	6251563.030	173°40'42.74"			

HICKSON ROAD MEDIAN ISLAND MK03

SCALE 1:100



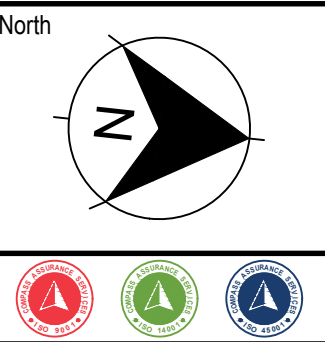
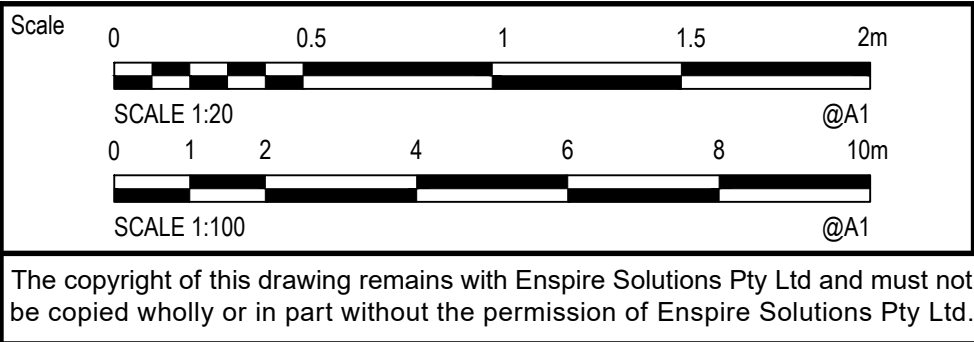
FOR CONTINUATION REFER DRG. 500053

MEDIAN ISLAND 'MK03' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1

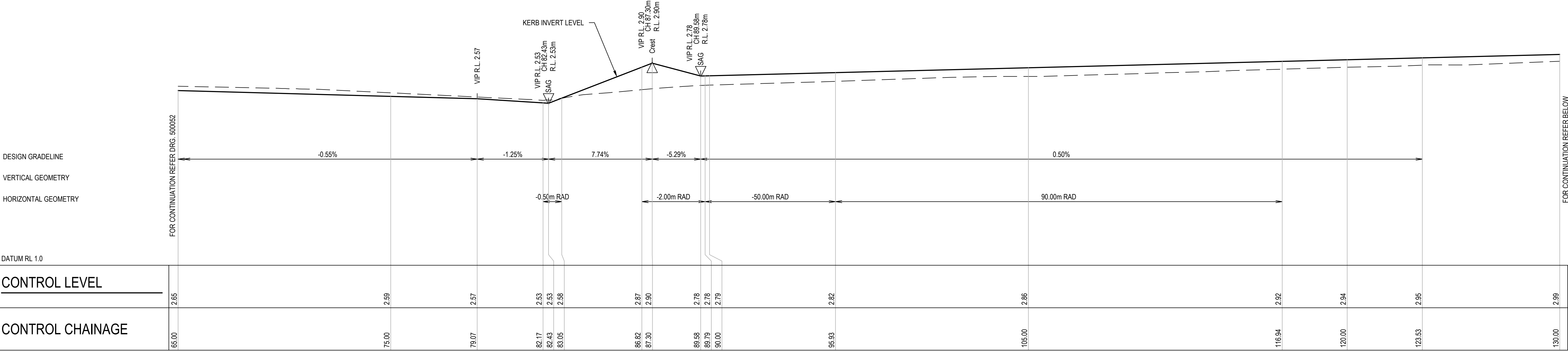
VERTICAL SCALE 1:20@A1

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
5	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
4	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
3	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
2	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL



Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	MEDIAN ISLAND PLAN AND KERB PROFILES SHEET 03

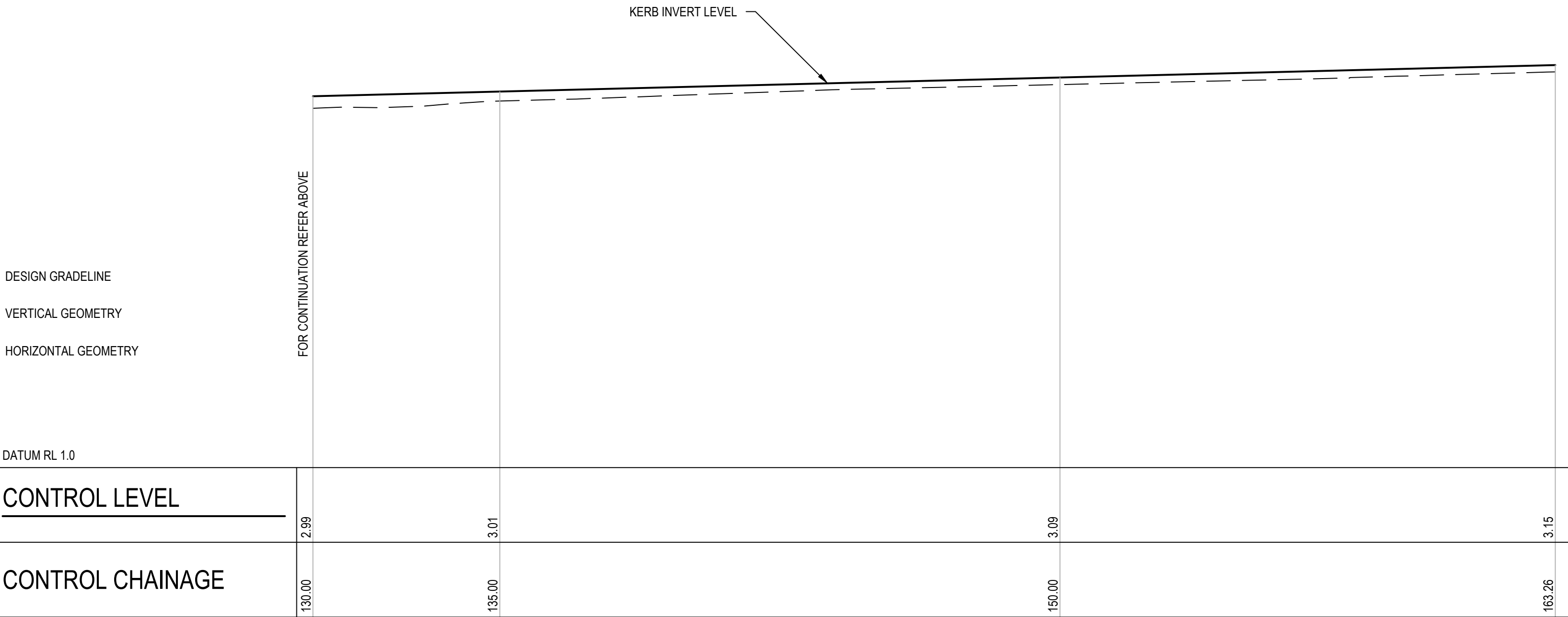
Scale	AS SHOWN	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	3/22/2024	Project Number/Drawing Number	B1D-CD2-500052
Size	A1	Revision	5
Datum	MGA 2020		



MEDIAN ISLAND 'MK03' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1

VERTICAL SCALE 1:20@A1



MEDIAN ISLAND 'MK03' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1

VERTICAL SCALE 1:20@A1

NOTE

REFER DRG: 500052 FOR 'MK03' MEDIAN ISLAND PLAN

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
5	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
4	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
3	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
2	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL

Client





Scale

0 0.5 1 1.5 2m

SCALE 1:20 @A1

0 1 2 4 6 8 10m

SCALE 1:100 @A1

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

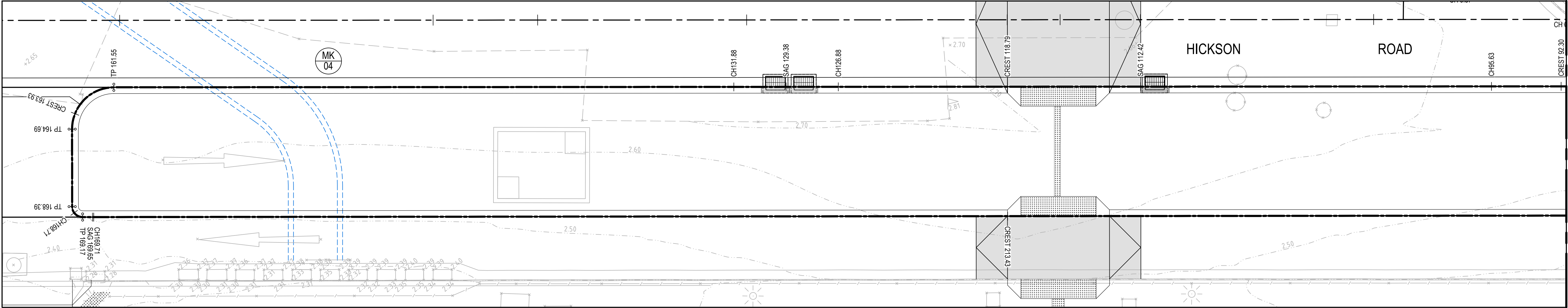
Title
MEDIAN ISLAND PLAN
AND KERB PROFILES
SHEET 04

Scale
AS SHOWN
Date
3/22/2024
Size
A1
Datum
MGA 2020

Status
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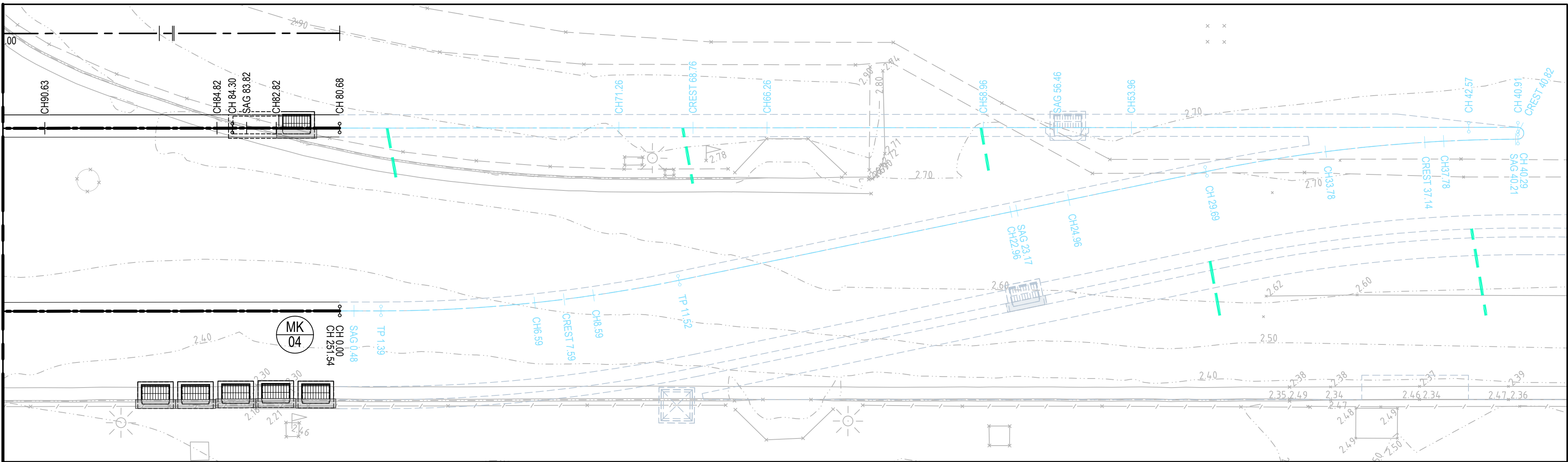
Project Number/Drawing Number
B1D-CD2-500053

Revision
5



HICKSON ROAD MEDIAN ISLAND KERB RETURN MK04

SCALE 1:100



HICKSON ROAD MEDIAN ISLAND KERB RETURN MK04

SCALE 1:100

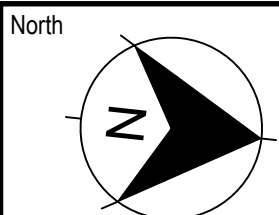
SETOUT TABLE 'MK04' SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	333785.780	6251681.160				
TC	1.390	333785.620	6251682.550	353°39'33.07"			
IP 2	6.450	333785.060	6251687.600		R = -50.000	10.130	11°36'09.35"
CT	11.520	333783.500	6251692.430	342°03'23.72"			
IP 3	29.690	333757.900	6251709.710				
IP 4	34.990	333756.260	6251714.770		R = 53.000	10.600	11°27'32.91"
IP 5	40.290	333755.660	6251720.060				
IP 6	40.440	333755.640	6251720.260		R = -0.200	0.310	90°00'00.00"
CC	40.600	333755.440	6251720.230	263°37'10.44"			
IP 7	40.760	333755.240	6251720.210		R = -0.200	0.310	90°00'00.00"
IP 8	40.910	333755.260	6251720.010				
IP 9	41.740	333755.350	6251719.190		R = -1993.600	1.660	0°02'51.62"
IP 10	42.570	333755.440	6251718.360				
IP 11	80.680	333759.640	6251680.490				
IP 12	84.300	333760.040	6251676.890				
TC	161.550	333768.540	6251600.110	173°40'42.82"			
IP 13	163.120	333768.760	6251598.130		R = -2.000	3.140	89°59'58.70"
CT	164.690	333770.750	6251598.350	83°40'44.12"			
TC	168.390	333774.430	6251598.750	83°40'44.12"			
IP 14	168.780	333774.930	6251598.810		R = -0.500	0.790	90°01'10.97"
CT	169.170	333774.870	6251599.300	353°39'33.15"			

NOTE

REFER DRG: 500055 AND 500056 FOR 'MK04' MEDIAN ISLAND LONGITUDINAL SECTIONS

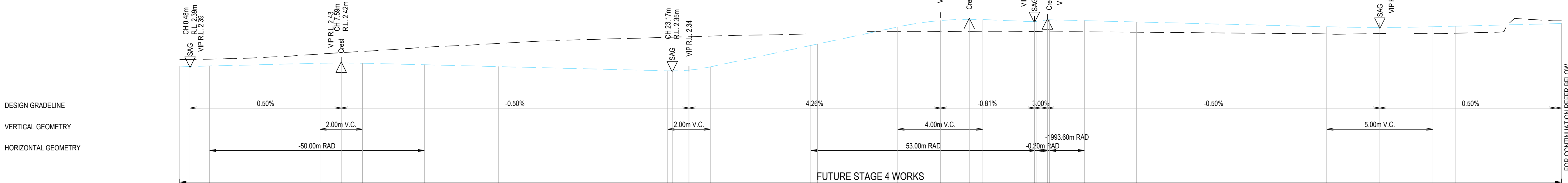
REV.	DATE	DESCRIPTION	MDH	MTL	MLH	MTL
5	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
4	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
3	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
2	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL



Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	MEDIAN ISLAND PLAN AND KERB PROFILES SHEET 05

Scale	AS SHOWN
Date	3/22/2024
Size	A1
Datum	MGA 2020

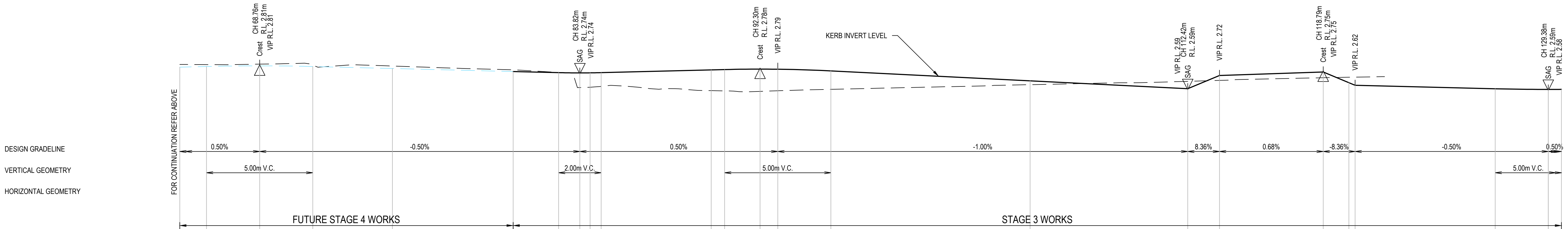
Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Project Number/Drawing Number	B1D-CD2-500054
Revision	5



KERB RETURN 'MK04' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1

VERTICAL SCALE 1:20@A1



KERB RETURN 'MK04' LONGITUDINAL SECTION

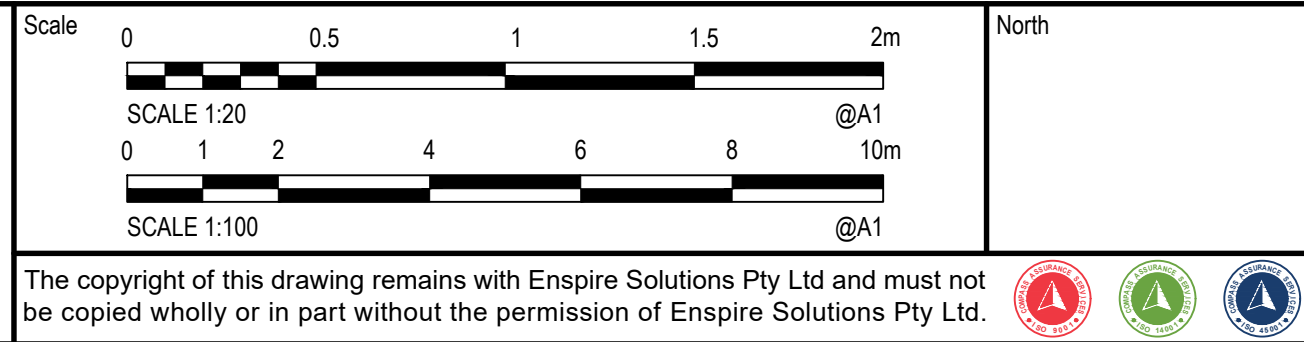
HORIZONTAL SCALE 1:100@A1

VERTICAL SCALE 1:20@A1

NOTE

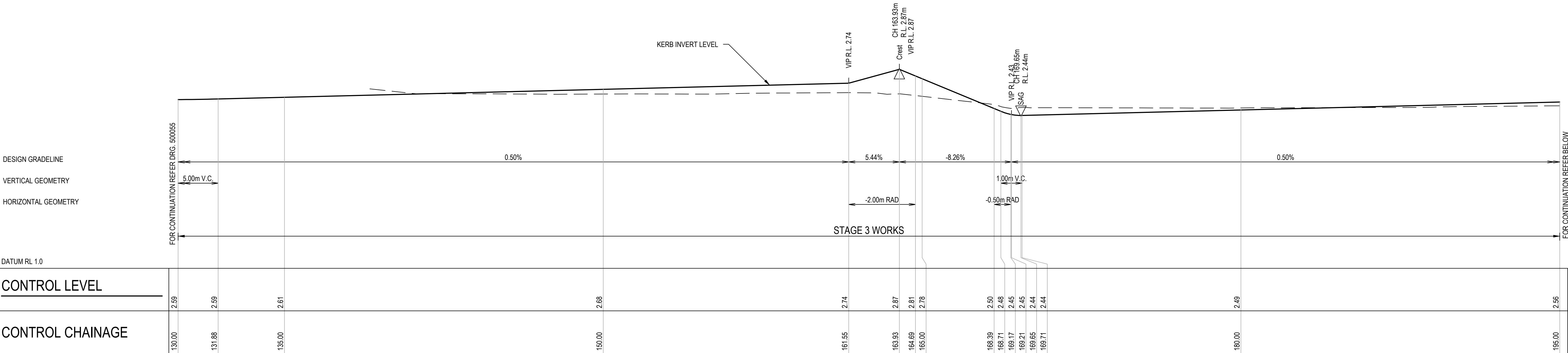
REFER DRG: 500054 FOR 'MK04' MEDIAN ISLAND PLAN

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
5	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
4	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
3	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
2	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL



Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	MEDIAN ISLAND PLAN AND KERB PROFILES SHEET 06
Scale	AS SHOWN
Date	3/22/2024
Size	A1
Datum	MGA 2020

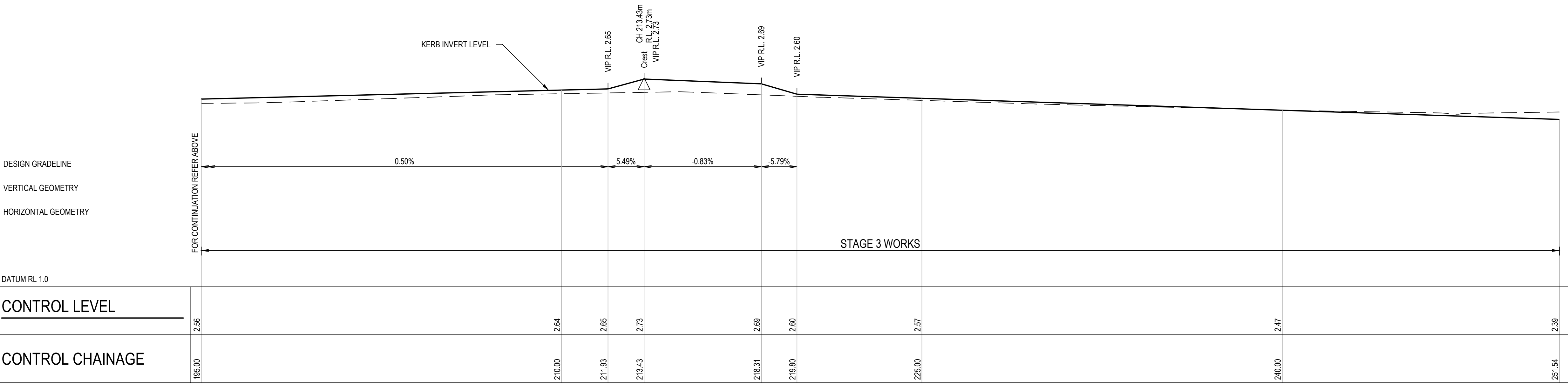
Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Project Number/Drawing Number	B1D-CD2-500055
Revision	5



KERB RETURN 'MK04' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1

VERTICAL SCALE 1:20@A1



KERB RETURN 'MK04' LONGITUDINAL SECTION

HORIZONTAL SCALE 1:100@A1

VERTICAL SCALE 1:20@A1

NOTE

REFER DRG: 500054 FOR 'MK04' MEDIAN ISLAND PLAN

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
5	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
4	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
3	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
2	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL

Client





Scale

0 0.5 1 1.5 2m

SCALE 1:20 @A1

0 1 2 4 6 8 10m

SCALE 1:100 @A1

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title
MEDIAN ISLAND PLAN
AND KERB PROFILES
SHEET 07

Scale
AS SHOWN
Date
3/22/2024

Size
A1
Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
B1D-CD2-500056

Revision
5

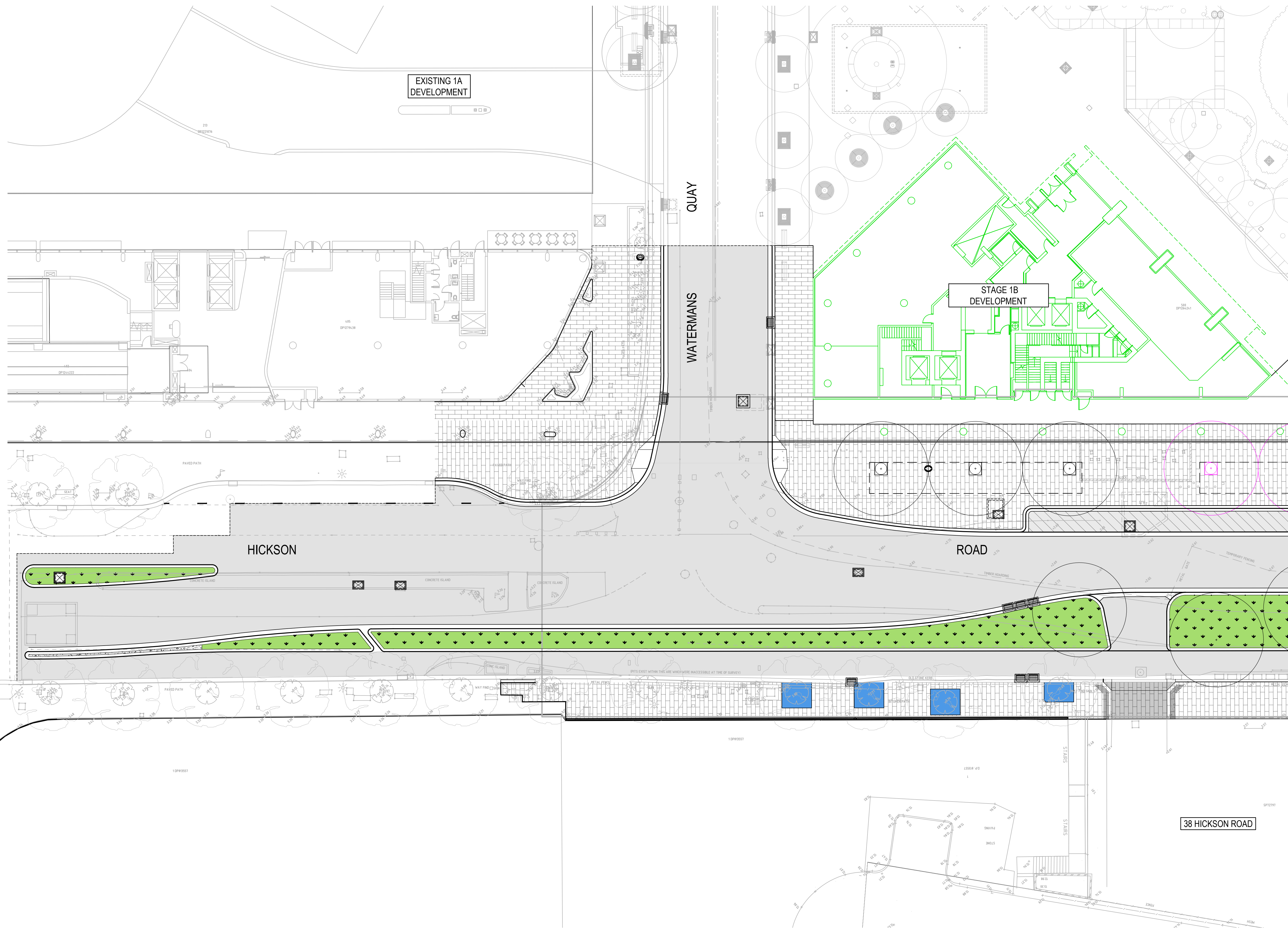
PAVEMENT LEGEND

	PAVEMENT TYPE 1 ROAD PAVEMENT
	PAVEMENT TYPE 2 ROAD MILL AND RE-SHEET
	PAVEMENT TYPE 3 PARKING BAYS REFER TO LANDSCAPE ARCHITECTS DETAILS FOR SPECIFICATIONS
	PAVEMENT TYPE 4 ROAD PAVEMENT (PAVERS)
	PAVEMENT TYPE 5 FOOTPATH / PATH
	PAVEMENT TYPE 6 RAISED MEDIAN INFILL
	PAVEMENT TYPE 7 RAISED BICYCLE CROSSING
	PAVEMENT TYPE 8 TEMPORARY PAVEMENT
	PAVEMENT TYPE 9 DRIVEWAY
	PAVEMENT TYPE 10 PERMEABLE PAVING REFER TO LANDSCAPE ARCHITECTS DETAILS FOR SPECIFICATIONS
	PLANTER REFER TO LANDSCAPE ARCHITECTS DETAILS FOR SPECIFICATIONS

NOTE:
REFER DRG: 700001 FOR PAVEMENT DETAILS

NOTES:

- ALL PAVEMENT DESIGN SUBJECT TO DETAILED GEOTECHNICAL INVESTIGATION.
- ALL FOOTPATH AND DRIVEWAY PAVEMENTS ARE CITY OF SYDNEY PAVEMENT. TO BE SUPPLIED AND INSTALLED TO CITY OF SYDNEY SPECIFICATION AND DETAIL.
- PAVEMENT LAYOUT SHOWN INDICATIVELY ON THESE DRAWINGS. LAYOUT AND SETOUT TO BE INSTALLED IN ACCORDANCE WITH CITY OF SYDNEY SPECIFICATION AND DETAIL.

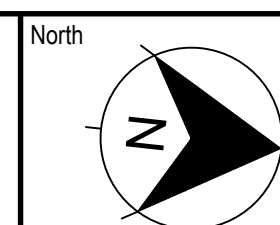


FOR CONTINUATION REFER DRG: 800002

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL



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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title
PAVEMENT PLAN

SHEET 01

Scale
1:200

Date
10/20/2023

Size
A1

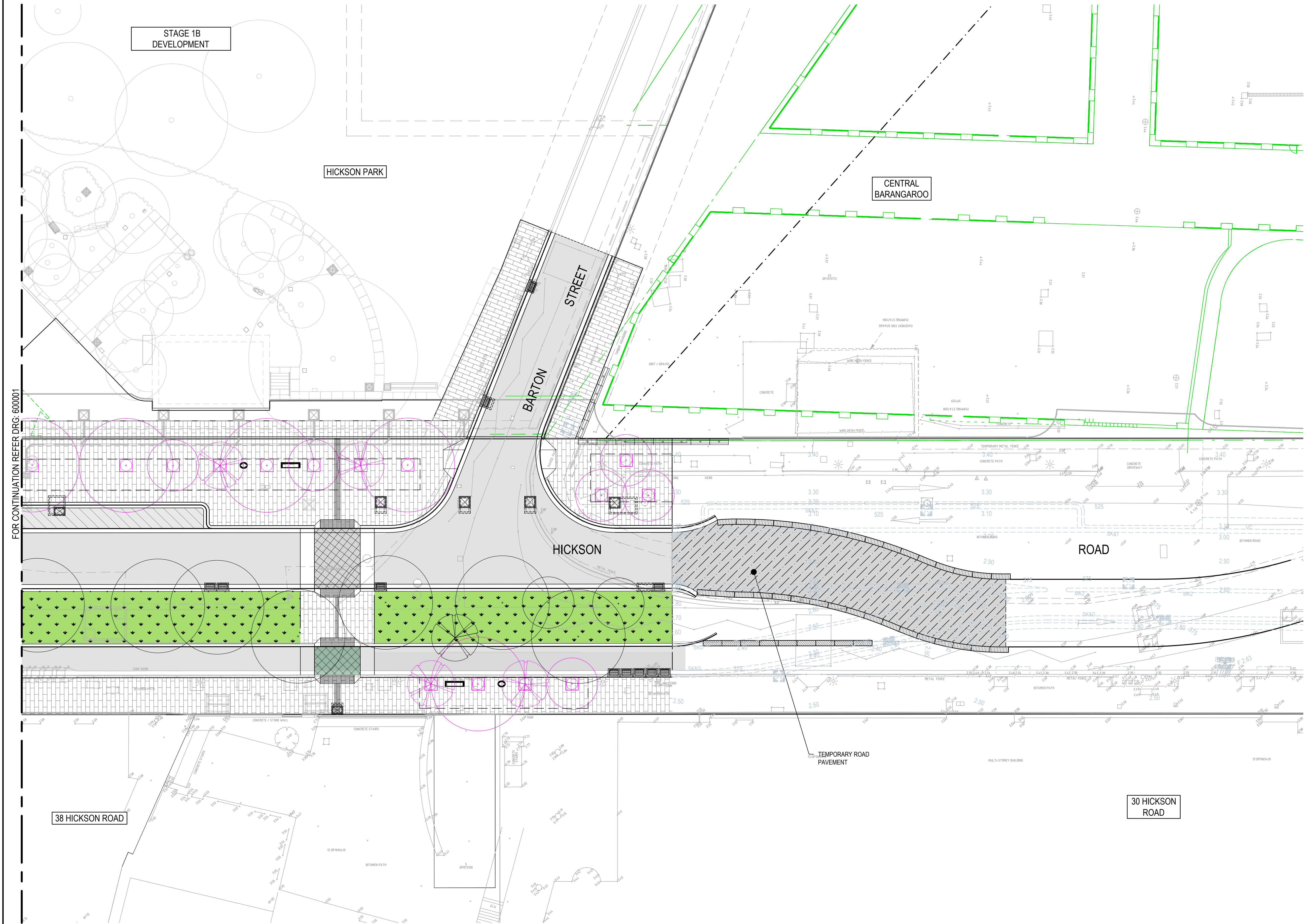
Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
B1D-CD2-600001

Revision
7

FOR CONTINUATION REFER DRG: 600001



PAVEMENT LEGEND

- | | |
|--|---|
| | PAVEMENT TYPE 1
ROAD PAVEMENT |
| | PAVEMENT TYPE 2
ROAD MILL AND RE-SHEET |
| | PAVEMENT TYPE 3
PARKING BAYS
REFER TO LANDSCAPE ARCHITECTS
DETAILS FOR SPECIFICATIONS |
| | PAVEMENT TYPE 4
ROAD PAVEMENT (PAVERS) |
| | PAVEMENT TYPE 5
FOOTPATH / PATH |
| | PAVEMENT TYPE 6
RAISED MEDIAN INFILL |
| | PAVEMENT TYPE 7
RAISED BICYCLE CROSSING |
| | PAVEMENT TYPE 8
TEMPORARY PAVEMENT |
| | PAVEMENT TYPE 9
DRIVEWAY |
| | PAVEMENT TYPE 10
PERMEABLE PAVING
REFER TO LANDSCAPE ARCHITECTS
DETAILS FOR SPECIFICATIONS |
| | PLANTER
REFER TO LANDSCAPE ARCHITECTS
DETAILS FOR SPECIFICATIONS |

NOTE:
REFER DRG: 700001 FOR PAVEMENT DETAILS

NOTES:

1. ALL PAVEMENT DESIGN SUBJECT TO DETAILED GEOTECHNICAL INVESTIGATION.
2. ALL FOOTPATH AND DRIVEWAY PAVEMENTS ARE CITY OF SYDNEY PAVEMENT. TO BE SUPPLIED AND INSTALLED TO CITY OF SYDNEY SPECIFICATION AND DETAIL.
3. PAVEMENT LAYOUT SHOWN INDICATIVELY ON THESE DRAWINGS. LAYOUT AND SETOUT TO BE INSTALLED IN ACCORDANCE WITH CITY OF SYDNEY SPECIFICATION AND DETAIL.

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL		MKH
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

Client

Scale

0 5 10 15 20m

SCALE 1:200 @A1

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Project

HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title

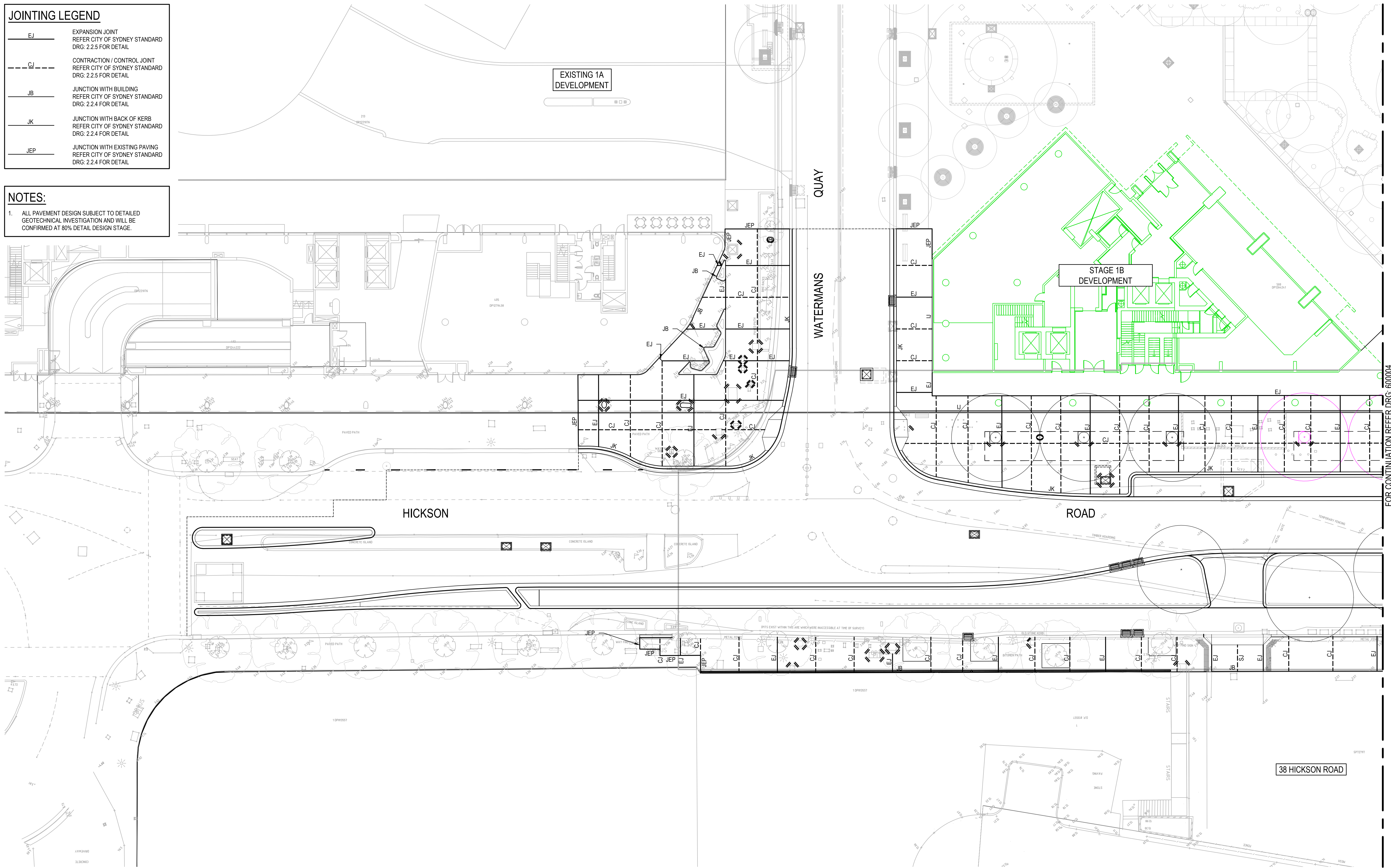
PAVEMENT PLAN

SHEET 02

Scale	1:200	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	10/20/2023	Project Number/Drawing Number	B1D-CD2-600002
Size	A1	Revision	7
Datum	MGA 2020		

	EXPANSION JOINT REFER CITY OF SYDNEY STANDARD DRG: 2.2.5 FOR DETAIL
	CONTRACTION / CONTROL JOINT REFER CITY OF SYDNEY STANDARD DRG: 2.2.5 FOR DETAIL
	JUNCTION WITH BUILDING REFER CITY OF SYDNEY STANDARD DRG: 2.2.4 FOR DETAIL
	JUNCTION WITH BACK OF KERB REFER CITY OF SYDNEY STANDARD DRG: 2.2.4 FOR DETAIL
	JUNCTION WITH EXISTING PAVING REFER CITY OF SYDNEY STANDARD DRG: 2.2.4 FOR DETAIL

1. ALL PAVEMENT DESIGN SUBJECT TO DETAILED GEOTECHNICAL INVESTIGATION AND WILL BE CONFIRMED AT 80% DETAIL DESIGN STAGE.

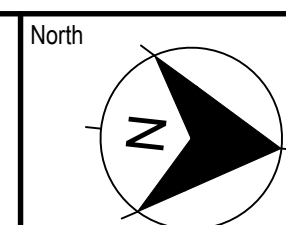


FOR CONTINUATION REFER DRG: 600004

[illegible]

we are in^{sw} Infrastructure
New South Wales

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Title
JOINTING PLAN
SHEET 01

Datum	MGA 202
-------	---------

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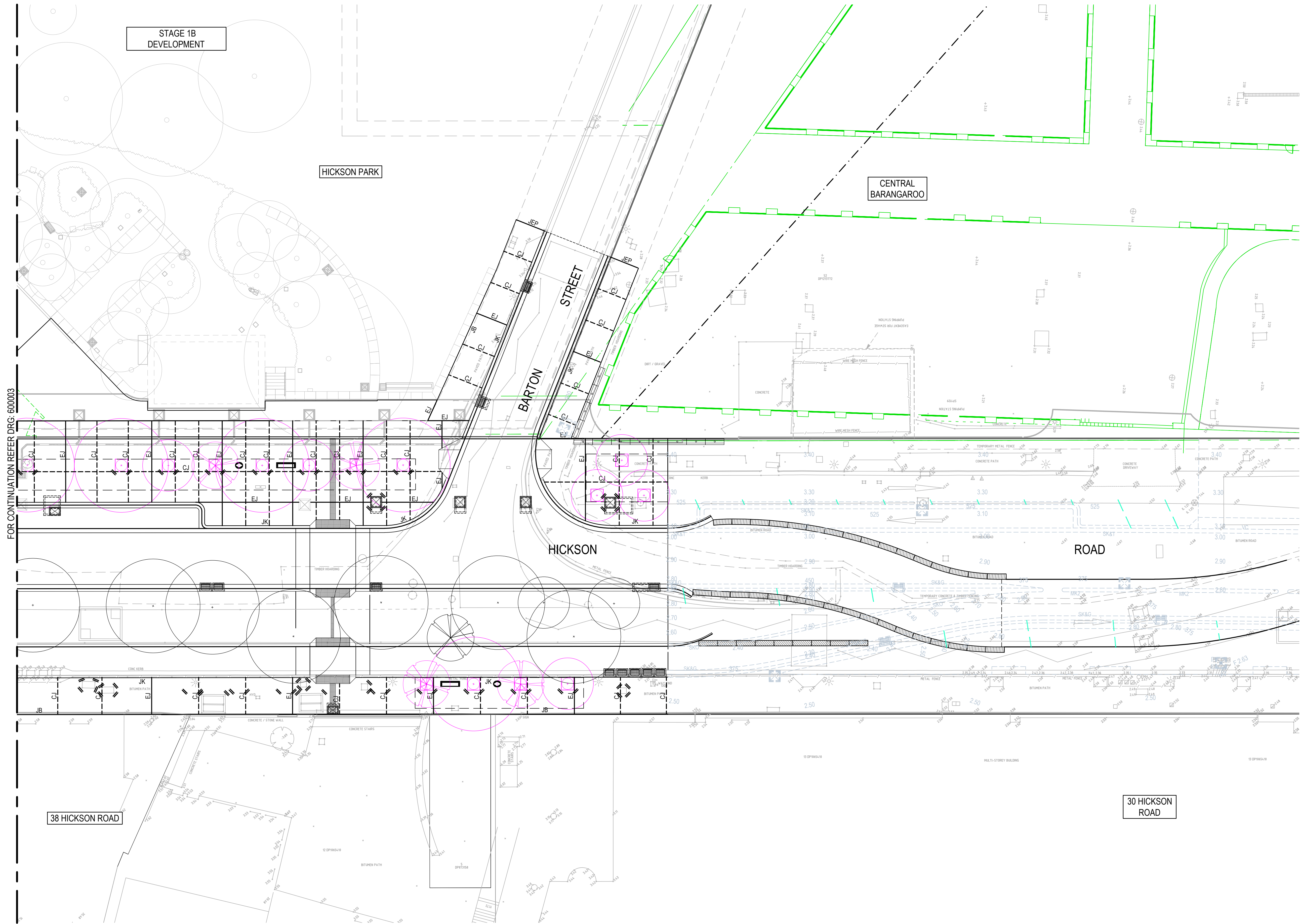
B1D-CD2-600003

1

CAD File: P:\220059 HicksonRd\1D-Civil\01-Stage 3\Drawings\6-DACC\1D-CD2-600003-600004 JOINTING PLAN.dwg

DATE PLOTTED: 11 November 2025 7:47 PM BY : STUART WOOD

FOR CONTINUATION REFER DRG: 600003



JOINTING LEGEND

EJ	EXPANSION JOINT REFER CITY OF SYDNEY STANDARD DRG: 2.2.5 FOR DETAIL
CJ	CONTRACTION / CONTROL JOINT REFER CITY OF SYDNEY STANDARD DRG: 2.2.5 FOR DETAIL
JB	JUNCTION WITH BUILDING REFER CITY OF SYDNEY STANDARD DRG: 2.2.4 FOR DETAIL
JK	JUNCTION WITH BACK OF KERB REFER CITY OF SYDNEY STANDARD DRG: 2.2.4 FOR DETAIL
JEP	JUNCTION WITH EXISTING PAVING REFER CITY OF SYDNEY STANDARD DRG: 2.2.4 FOR DETAIL

NOTES:

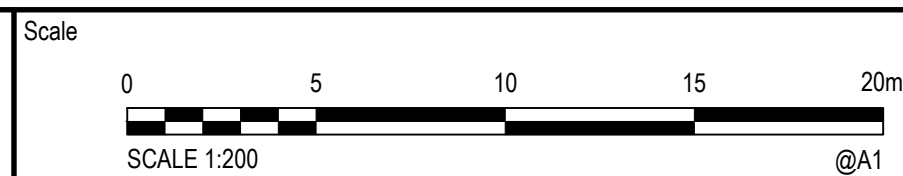
1. ALL PAVEMENT DESIGN SUBJECT TO DETAILED GEOTECHNICAL INVESTIGATION AND WILL BE CONFIRMED AT 80% DETAIL DESIGN STAGE.

REV.	DATE	DESCRIPTION	SW	EZ	MKH	MTL
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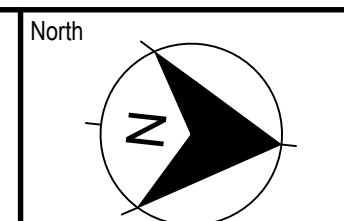
Client







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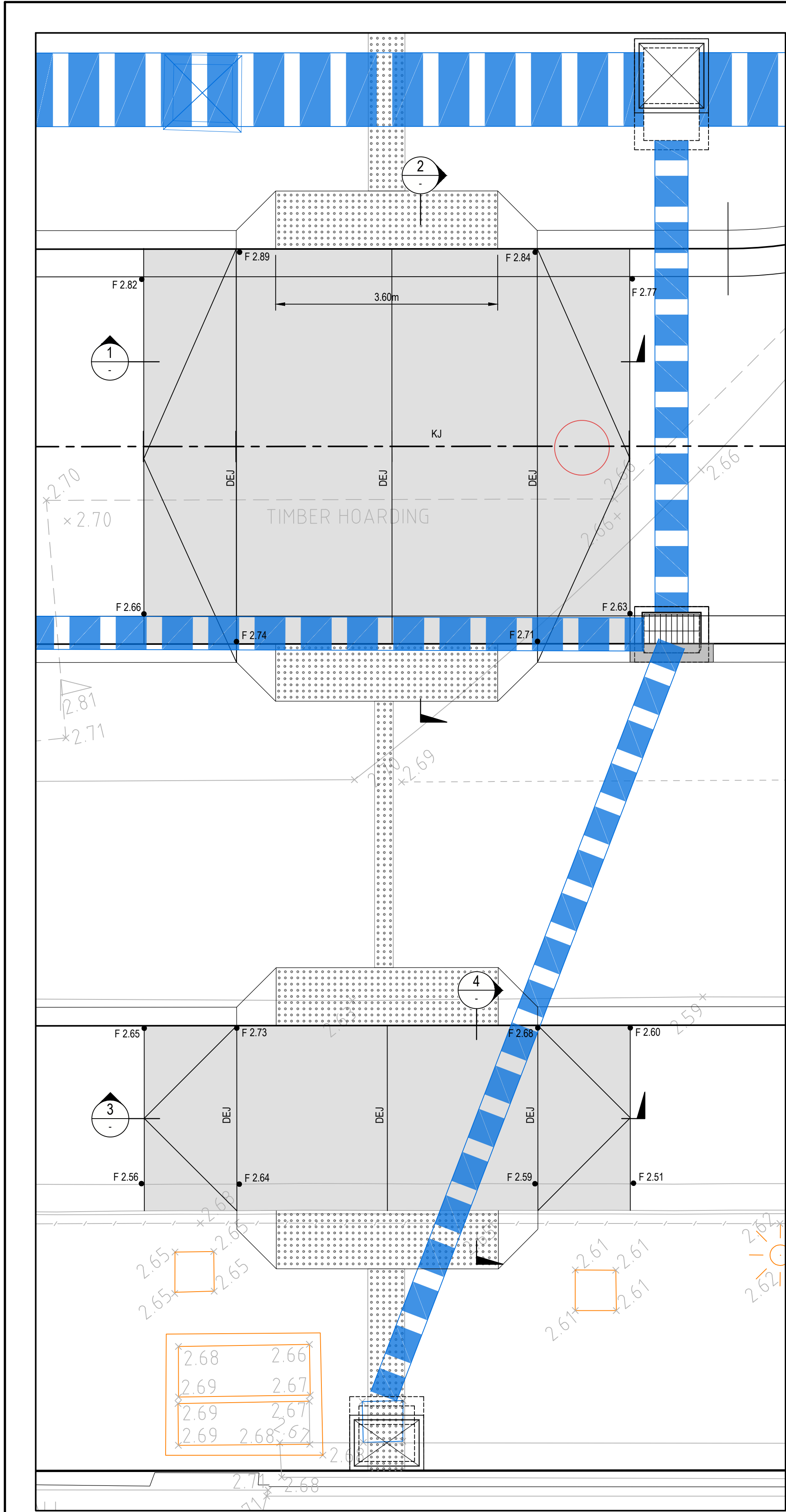


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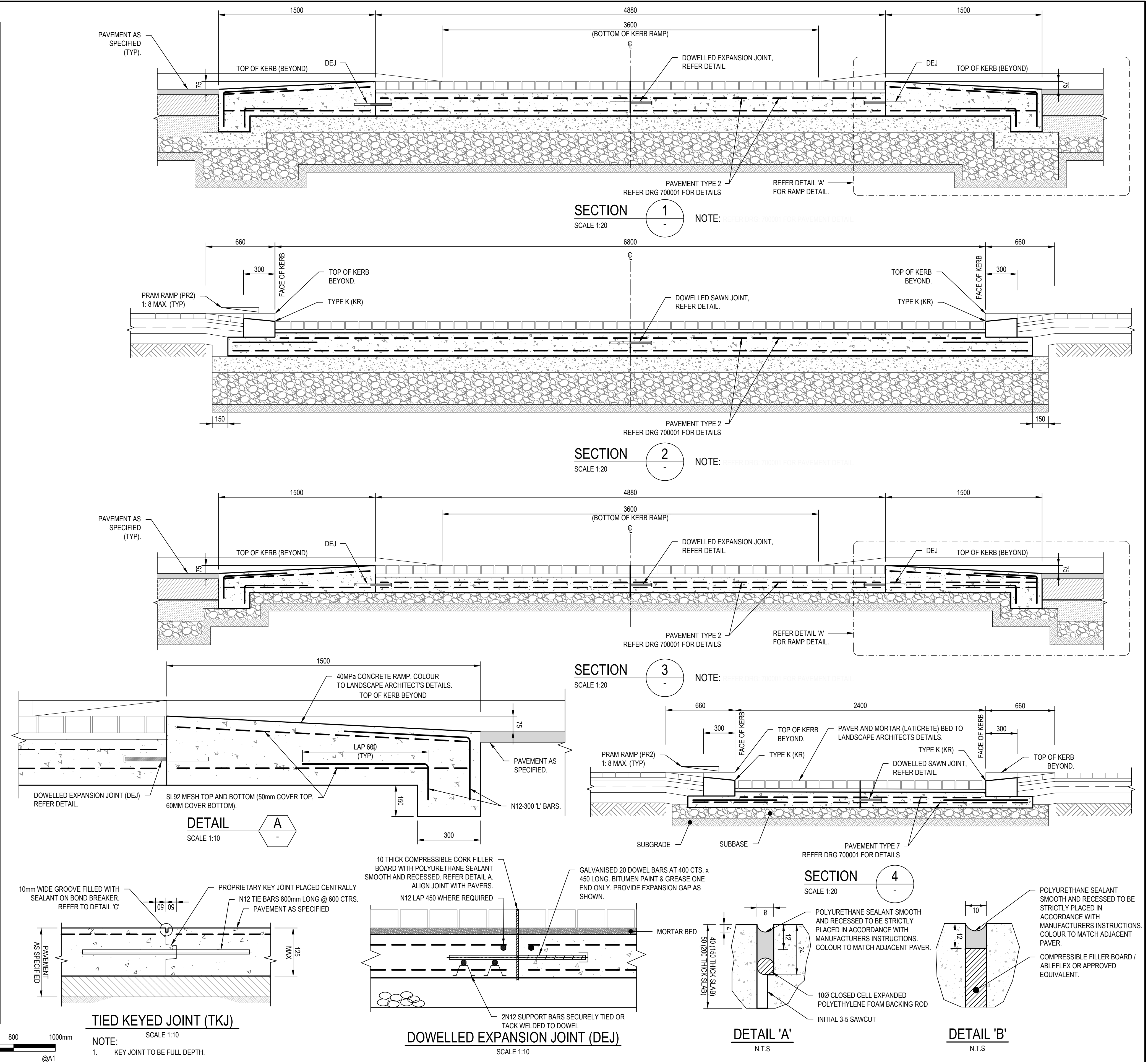
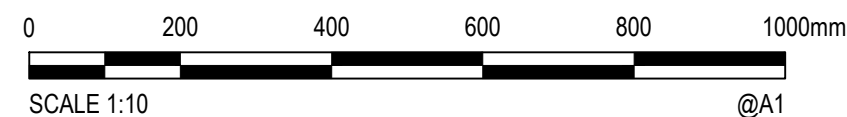
Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	JOINTING PLAN
SHEET	02

Scale	1:200
Date	RIP
Size	A1
Datum	MGA 2020

Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION	
Project Number/Drawing Number	B1D-CD2-600004	Revision
		1



PLAN
SCALE 1:50



TIED KEYED JOINT (TKJ)
SCALE 1:10

NOTE:
1. KEY JOINT TO BE FULL DEPTH.

DOWELLED EXPANSION JOINT (DEJ)
SCALE 1:10

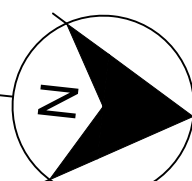
DETAIL 'A'
N.T.S.

DETAIL 'B'
N.T.S.

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
6	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
5	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL	MTL
4	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ	MTL	MTL
3	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
2	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
1	6/03/2024	ISSUED FOR INFORMATION	MDH	MTL		

Client:  

Scale: 0 500 1000 1500 2000mm
SCALE 1:20
0 1 2 3 4 5m
SCALE 1:50
@A1

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Project: HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title: RAISED PEDESTRIAN CROSSINGS
PLAN AND DETAILS

Scale: AS SHOWN
Date: 3/22/2024
Size: A1
Datum: MGA 2020

Status: **FOR INFORMATION ONLY**
NOT TO BE USED FOR CONSTRUCTION

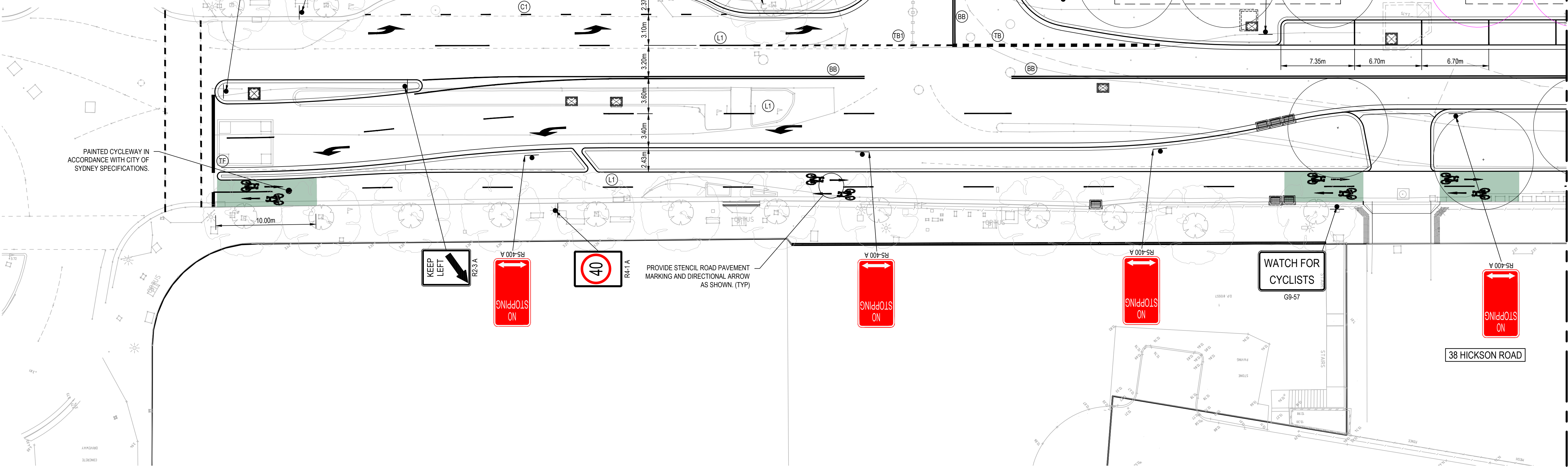
Project Number/Drawing Number: B1D-CD2-600005
Revision: 6

LINEMARKING LEGEND

EDGE LINE	
TURN LINE	E5
BARRIER LINE	T1
LANE LINE	BB
CONTINUITY LINES	L1
GIVEWAY LINES	C1
STOP LINE	TB
ARROWS	TF
BICYCLE LINE MARKING	UA3 (L)
	BA-1
	PS-2

NOTES:

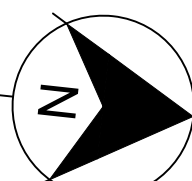
- ALL PAVEMENT DESIGN SUBJECT TO DETAILED GEOTECHNICAL INVESTIGATION AND WILL BE CONFIRMED AT 100% DETAIL DESIGN STAGE.
- ALL PEDESTRIAN LINEMARKING TO BE SLIP RESISTANT.
- ALL SIGNAGE AND LINEMARKING TO BE IN ACCORDANCE WITH AS 1742.2.



REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

Client:  **we are insw Infrastructure** New South Wales

Scale: 0 5 10 15 20m
SCALE 1:200 @A1

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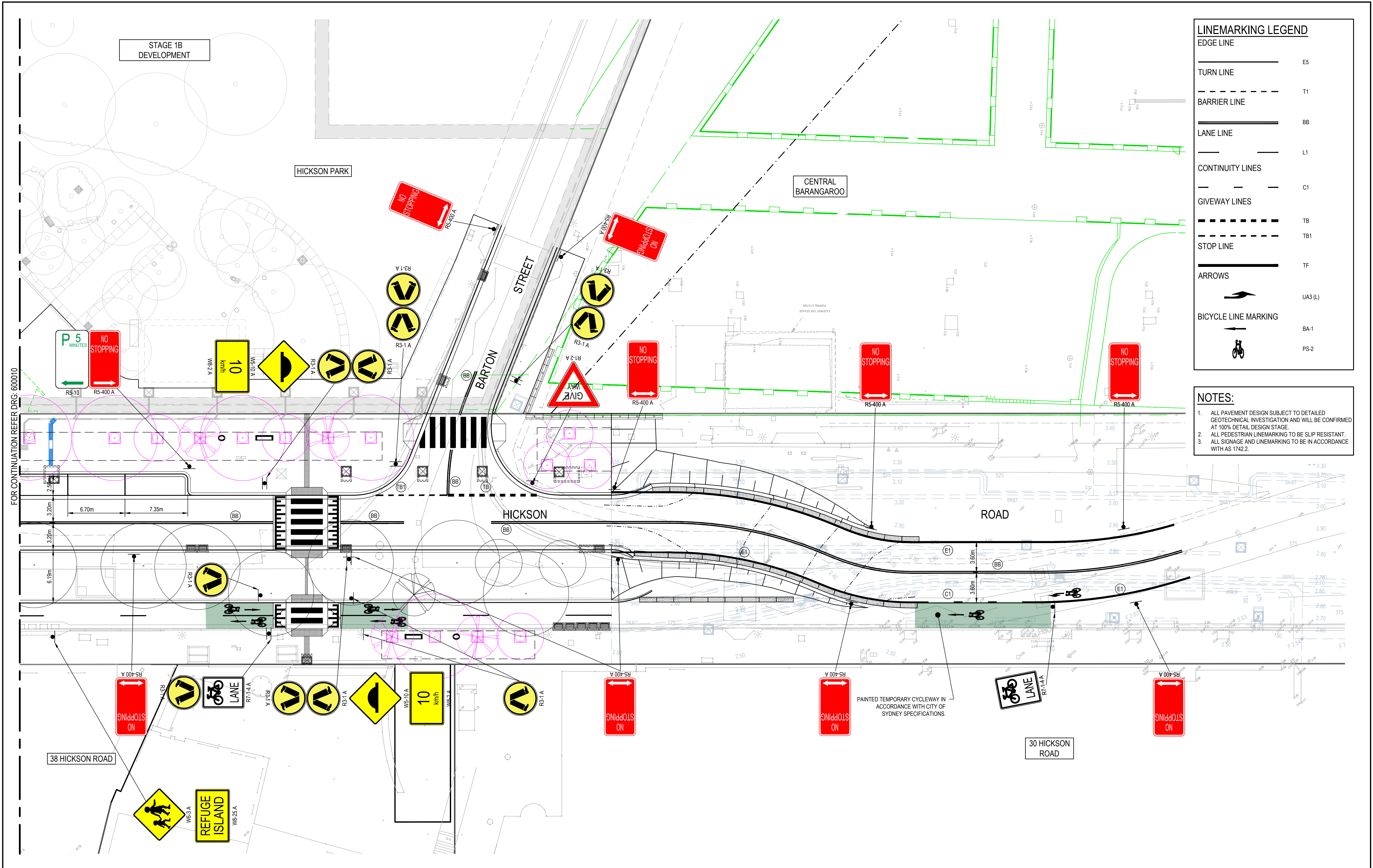
Project: HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title: SIGNAGE AND LINEMARKING PLAN
SHEET 01

Scale: 1:200
Date: 10/20/2023
Size: A1
Datum: MGA 2020

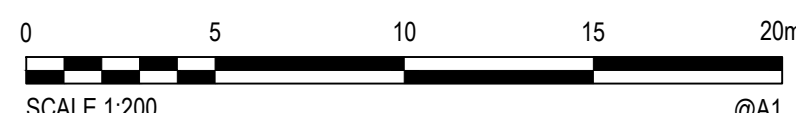
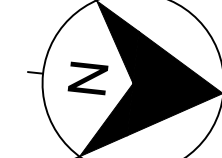
Status: **FOR INFORMATION ONLY**
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number: B1D-CD2-600010
Revision: 7



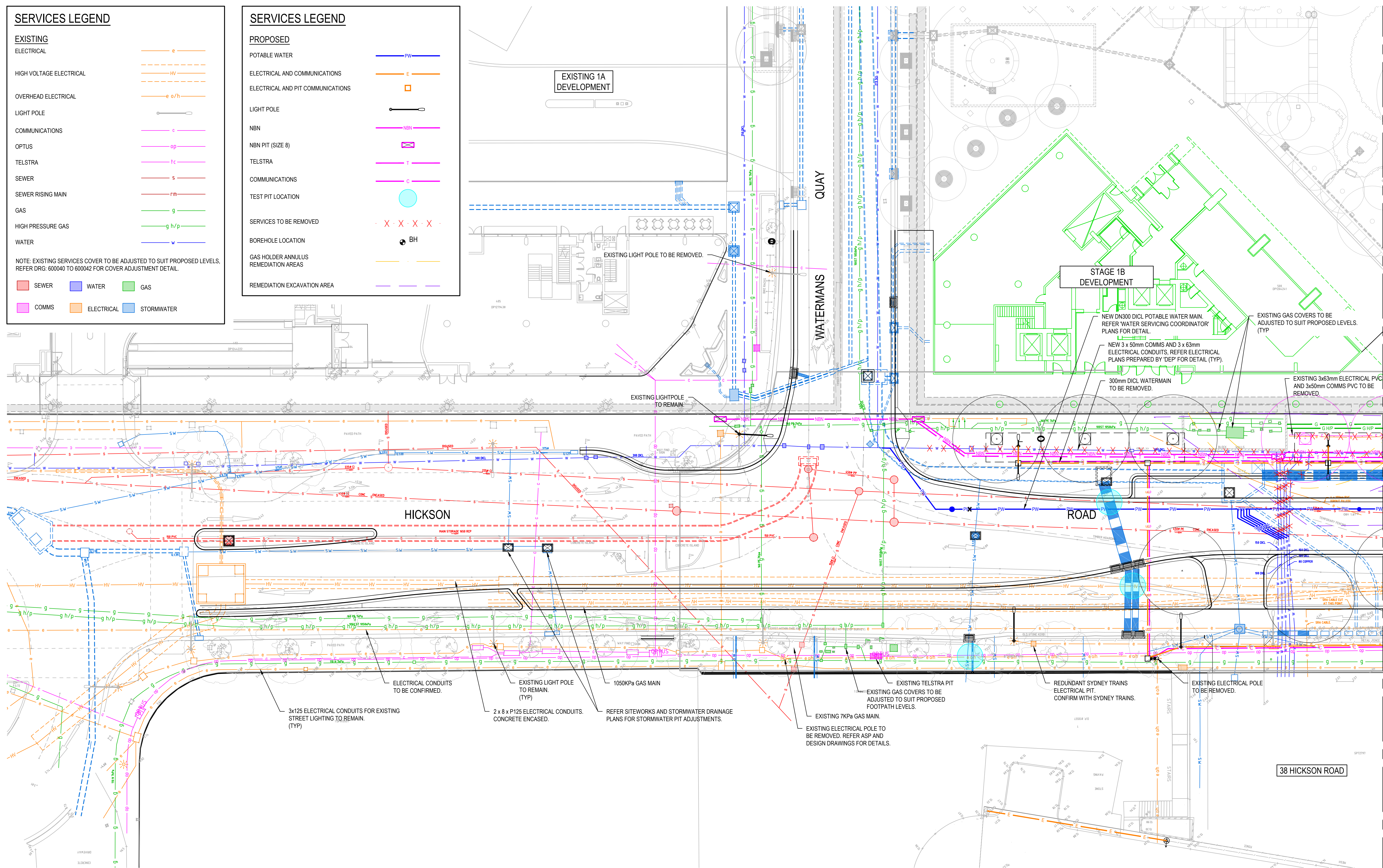
LINEMARKING LEGEND	
EDGE LINE	
TURN LINE	E5
BARRIER LINE	T1
LANE LINE	BB
CONTINUITY LINES	L1
GIVEWAY LINES	C1
STOP LINE	TF
ARROWS	
BICYCLE LINE MARKING	

- NOTES:**
- ALL PAVEMENT DESIGN SUBJECT TO DETAILED GEOTECHNICAL INVESTIGATION AND WILL BE CONFIRMED AT 100% DETAIL DESIGN STAGE.
 - ALL PEDESTRIAN LINEMARKING TO BE SLIP RESISTANT.
 - ALL SIGNAGE AND LINEMARKING TO BE IN ACCORDANCE WITH AS 1742.2.

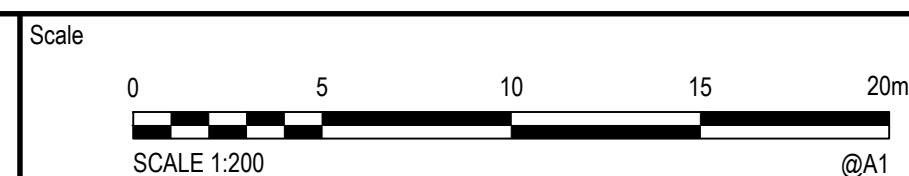
7 10/11/2025 ISSUED FOR 80% IFT / REF 6 7/10/2025 ISSUED FOR CLIENT REVIEW 5 27/08/2025 ISSUED FOR COORDINATION 4 4/04/2024 ISSUED FOR 80% IFT / REF 3 22/03/2024 ISSUED FOR PRELIMINARY COSTING 2 23/01/2024 60% RE-ISSUED FOR COORDINATION 1 20/10/2023 60% ISSUED FOR COORDINATION REV. DATE DESCRIPTION	SW EZ MKH MTL EZ EZ MTL MDH MTL RL MKH MDH MTL MKH MTL MDH HD MTL CB HD MTL DRN DES. VERIF. APPD.	Client  	Scale  SCALE 1:200 @A1	North 	 Enspire Solutions Pty Ltd Level 7, 54 Miller Street, North Sydney NSW 2060 ABN: 71 624 801 690 Phone: 02 9922 6135 enspiresolutions.com.au	Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale 1:200	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION	Title SIGNAGE AND LINEMARKING PLAN	Size A1	Datum MGA 2020	Project Number/Drawing Number B1D-CD2-600011	Revision 7
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EXISTING	
ELECTRICAL	
HIGH VOLTAGE ELECTRICAL	
OVERHEAD ELECTRICAL	
LIGHT POLE	
COMMUNICATIONS	
OPTUS	
TELSTRA	
SEWER	
SEWER RISING MAIN	
GAS	
HIGH PRESSURE GAS	
WATER	
NOTE: EXISTING SERVICES COVER TO BE ADJUSTED TO SUIT PROPOSED LEVELS. REFER DRG: 600040 TO 600042 FOR COVER ADJUSTMENT DETAIL.	
SEWER	WATER
GAS	
COMMS	ELECTRICAL
STORMWATER	

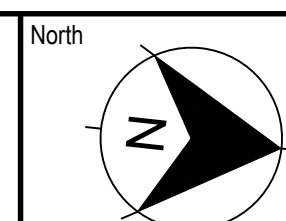
PROPOSED	
POTABLE WATER	
ELECTRIC AND COMMUNICATIONS	
ELECTRIC AND PIT COMMUNICATIONS	
LIGHT POLE	
NBN	
NBN PIT (SIZE 8)	
TELSTRA	
COMMUNICATIONS	
TEST PIT LOCATION	
SERVICES TO BE REMOVED	
BOREHOLE LOCATION	
GAS HOLDER ANNULUS REMEDICATION AREAS	
REMEDICATION EXCAVATION AREA	



9	10/11/2025	ISSUED FOR 80% I/F / REF	SW	EZ	MKH	MTL
8	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
7	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
6	18/08/2025	ISSUED FOR 80% I/F / REF	EZ	EZ		MTL
5	4/04/2024	ISSUED FOR 80% I/F / REF	MDH	MTL	RL	MKH
4	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
3	4/03/2024	RE-ISSUED FOR COORDINATION	MDH	MTL		
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
REV.	DATE	DESCRIPTION	DRN.	DS.	VERIF	APP.



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Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	SERVICES COORDINATION PLAN
SHEET 01	

Scale 1:200	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION		Revision
Date 10/20/2023			
Size A1	Project Number/Drawing Number B1D-CD2-600020	9	
Datum MGA 2020			

SERVICES LEGEND

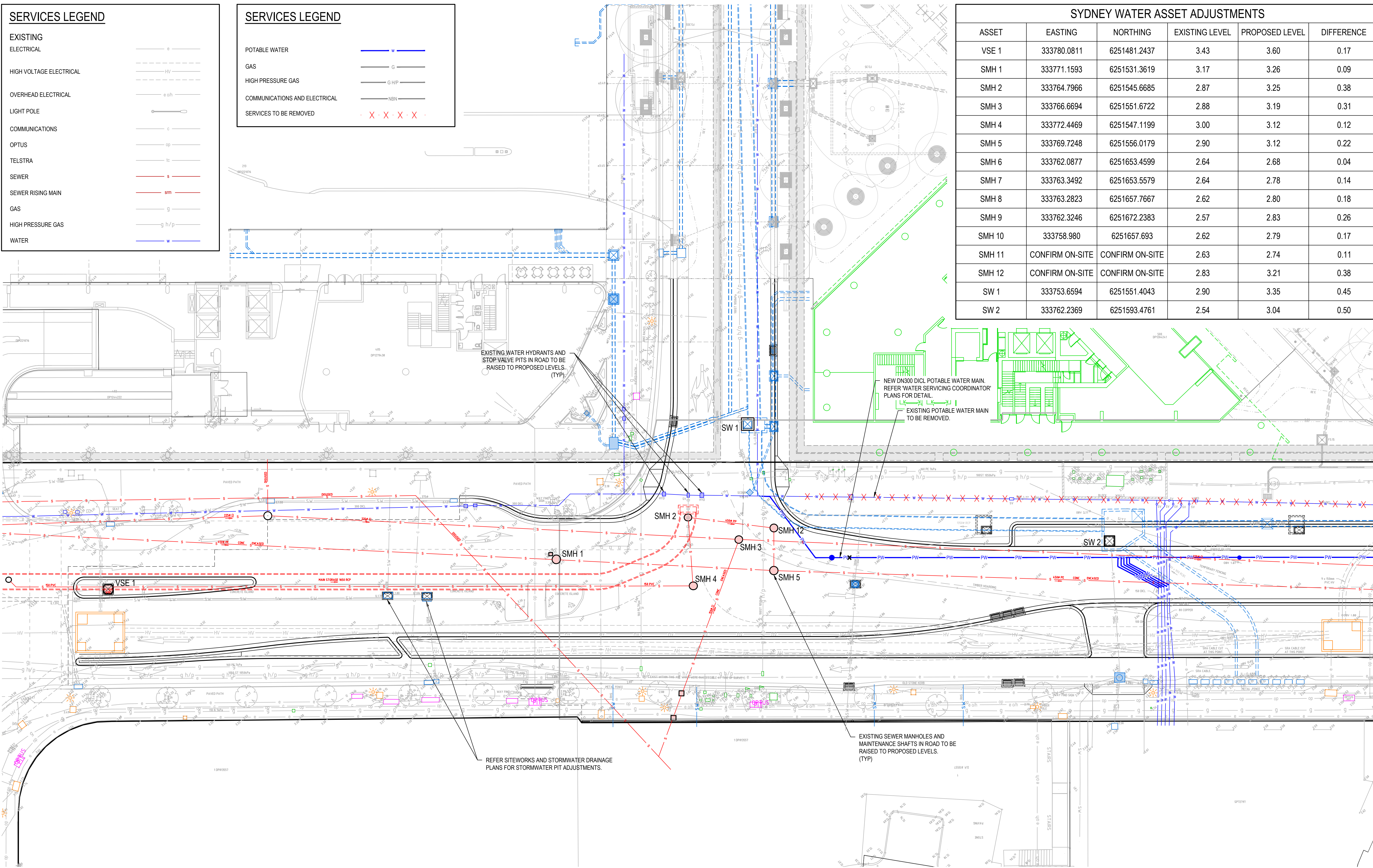
EXISTING ELECTRICAL	E
HIGH VOLTAGE ELECTRICAL	HV
OVERHEAD ELECTRICAL	EOH
LIGHT POLE	LP
COMMUNICATIONS	C
OPTUS	OP
TELSTRA	TC
SEWER	S
SEWER RISING MAIN	SM
GAS	G
HIGH PRESSURE GAS	GHP
WATER	W

SERVICES LEGEND

POTABLE WATER	W
GAS	G
HIGH PRESSURE GAS	GHP
COMMUNICATIONS AND ELECTRICAL SERVICES TO BE REMOVED	X X X X X

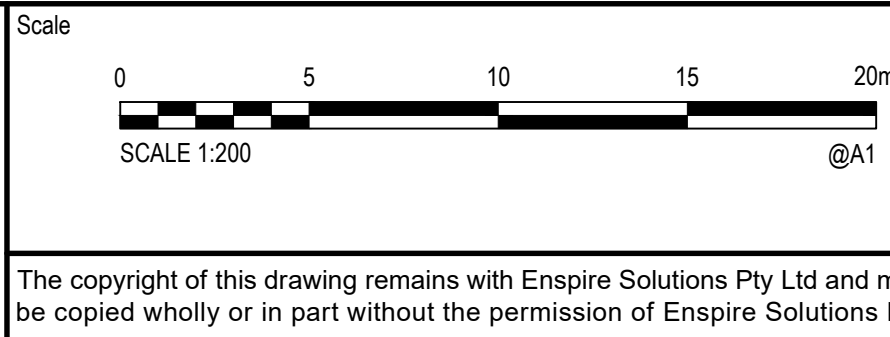
SYDNEY WATER ASSET ADJUSTMENTS

ASSET	EASTING	NORTHING	EXISTING LEVEL	PROPOSED LEVEL	DIFFERENCE
VSE 1	333780.0811	6251481.2437	3.43	3.60	0.17
SMH 1	333771.1593	6251531.3619	3.17	3.26	0.09
SMH 2	333764.7966	6251545.6685	2.87	3.25	0.38
SMH 3	333766.6694	6251551.6722	2.88	3.19	0.31
SMH 4	333772.4469	6251547.1199	3.00	3.12	0.12
SMH 5	333769.7248	6251556.0179	2.90	3.12	0.22
SMH 6	333762.0877	6251653.4599	2.64	2.68	0.04
SMH 7	333763.3492	6251653.5579	2.64	2.78	0.14
SMH 8	333763.2823	6251657.7667	2.62	2.80	0.18
SMH 9	333762.3246	6251672.2383	2.57	2.83	0.26
SMH 10	333758.980	6251657.693	2.62	2.79	0.17
SMH 11	CONFIRM ON-SITE	CONFIRM ON-SITE	2.63	2.74	0.11
SMH 12	CONFIRM ON-SITE	CONFIRM ON-SITE	2.83	3.21	0.38
SW 1	333753.6594	6251551.4043	2.90	3.35	0.45
SW 2	333762.2369	6251593.4761	2.54	3.04	0.50



FOR CONTINUATION REFER DRG: 600031

REV.	DATE	DESCRIPTION	SW	EZ	MKH	MTL
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	7/08/2025	ISSUED FOR 80% IFT / REF	EZ	EZ		MKH
3	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
2	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
1	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
REV.	DATE	DESCRIPTION	DRN	DES	VERIF	APPD



Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title	SYDNEY WATER ASSET ADJUSTMENTS
SHEET 01	

Scale	1:200	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	3/22/2024	Project Number/Drawing Number	B1D-CD2-600030
Size	A1	Revision	7
Datum	MGA 2020		

SERVICES LEGEND

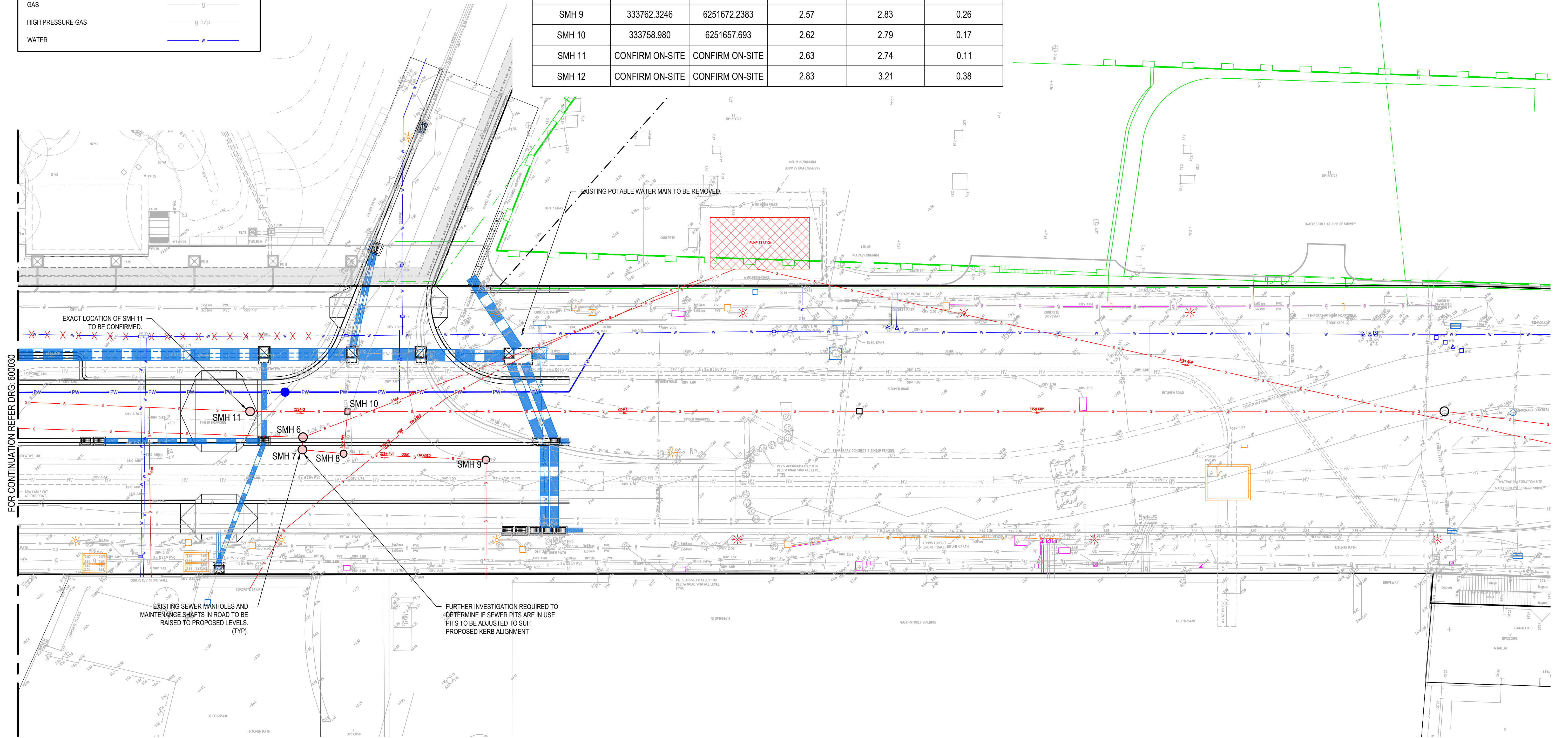
EXISTING	
ELECTRICAL	E
HIGH VOLTAGE ELECTRICAL	HV
OVERHEAD ELECTRICAL	E OH
LIGHT POLE	
COMMUNICATIONS	C
OPTUS	OP
TELSTRA	TC
SEWER	S
SEWER RISING MAIN	SM
GAS	G
HIGH PRESSURE GAS	G H/P
WATER	W

SERVICES LEGEND

POTABLE WATER	W
GAS	G
HIGH PRESSURE GAS	G H/P
COMMUNICATIONS AND ELECTRICAL	NBN
SERVICES TO BE REMOVED	X X X X X

SYDNEY WATER ASSET ADJUSTMENTS

ASSET	EASTING	NORTHING	EXISTING LEVEL	PROPOSED LEVEL	DIFFERENCE
VSE 1	333780.0811	6251481.2437	3.43	3.60	0.17
SMH 1	333771.1593	6251531.3619	3.17	3.26	0.09
SMH 2	333764.7966	6251545.6685	2.87	3.25	0.38
SMH 3	333766.6694	6251551.6722	2.88	3.19	0.31
SMH 4	333772.4469	6251547.1199	3.00	3.12	0.12
SMH 5	333769.7248	6251556.0179	2.90	3.12	0.22
SMH 6	333762.0877	6251653.4599	2.64	2.68	0.04
SMH 7	333763.3492	6251653.5579	2.64	2.78	0.14
SMH 8	333763.2823	6251657.7667	2.62	2.80	0.18
SMH 9	333762.3246	6251672.2383	2.57	2.83	0.26
SMH 10	333758.980	6251657.693	2.62	2.79	0.17
SMH 11	CONFIRM ON-SITE	CONFIRM ON-SITE	2.63	2.74	0.11
SMH 12	CONFIRM ON-SITE	CONFIRM ON-SITE	2.83	3.21	0.38



FOR CONTINUATION REFER DRG: 600030

REV.	DATE	DESCRIPTION	SW	EZ	MKH	MTL
7	10/11/2025	ISSUED FOR 80% IFT / REF				
6	7/10/2025	ISSUED FOR CLIENT REVIEW				
5	27/08/2025	ISSUED FOR COORDINATION				
4	7/08/2025	ISSUED FOR 80% IFT / REF				
3	4/04/2024	ISSUED FOR 80% IFT / REF				
2	22/03/2024	ISSUED FOR PRELIMINARY COSTING				
1	23/01/2024	60% RE-ISSUED FOR COORDINATION				

Client

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we are insw Infrastructure
New South Wales

Scale

0 5 10 15 20m

SCALE 1:200 @A1

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title
SYDNEY WATER ASSET ADJUSTMENTS

SHEET 02

Scale
1:200

Date
3/22/2024

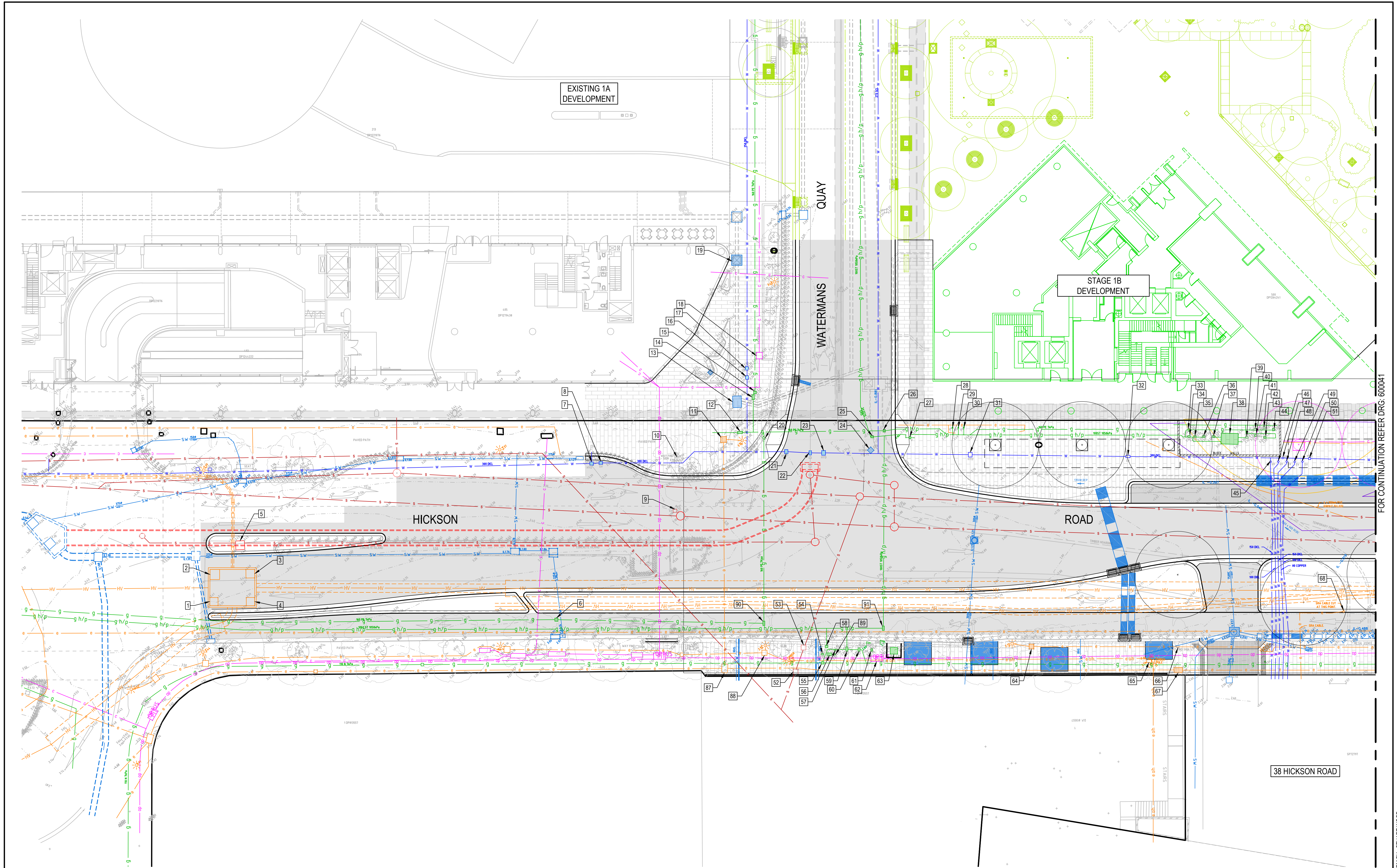
Size
A1

Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
B1D-CD2-600031

Revision
7



REV.	DATE	DESCRIPTION	SW	EZ	MKH	MTL
5	10/11/2025	ISSUED FOR 80% IFT / REF				
4	7/10/2025	ISSUED FOR CLIENT REVIEW				
3	27/08/2025	ISSUED FOR COORDINATION				
2	4/04/2024	ISSUED FOR 80% IFT / REF				
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING				

Client

lendlease

we are insw Infrastructure
New South Wales

Scale

0 5 10 15 20m
SCALE 1:200 @A1

North

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title
UTILITIES ADJUSTMENT PLAN

SHEET 01

Scale
1:200

Date
3/22/2024

Size
A1

Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
B1D-CD2-600040

Revision
5

55	JEMENA	GAS VALVE	2.92	2.90	ADJUST PIT LID TO SUIT PROPOSED LEVELS. PAVER CUT TO SUIT VALVE LID.
56	JEMENA	GAS VALVE	2.87	2.85	ADJUST PIT LID TO SUIT PROPOSED LEVELS. PAVER CUT TO SUIT VALVE LID.
57	JEMENA	GAS VALVE	2.85	2.84	ADJUST PIT LID TO SUIT PROPOSED LEVELS. PAVER CUT TO SUIT VALVE LID.
58	JEMENA	GAS VALVE	2.84	2.83	ADJUST PIT LID TO SUIT PROPOSED LEVELS. PAVER CUT TO SUIT VALVE LID.
59	JEMENA	GAS VALVE	2.80	2.83	ADJUST PIT LID TO SUIT PROPOSED LEVELS. PAVER CUT TO SUIT VALVE LID.
60	JEMENA	GAS VALVE	2.82	-	MAINTAIN EXISTING LEVEL AND LID. PAVER CUT TO SUIT VALVE LID.
61	JEMENA	GAS VALVE	2.79	-	MAINTAIN EXISTING LEVEL AND LID. PAVER CUT TO SUIT VALVE LID.
62	OPTUS	COMMS PIT	2.85	2.83	ADJUST PIT LID TO SUIT PROPOSED LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
63	JEMENA	GAS	2.81	2.79	ADJUST PIT LID TO SUIT PROPOSED LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
64	COUNCIL	ELECTRICAL PIT	2.70	2.70	ADJUST PIT LID TO SUIT PROPOSED LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
65	COUNCIL	ELECTRICAL SWITCHBOARD	2.70	-	EXISTING SWITCHBOARD TO BE REPLACED WITH CoS STANDARD MSB
66	COUNCIL	WAYFINDING SIGN	-	-	TO BE REMOVED
67	COUNCIL	ELECTRICAL PIT	2.67	2.64	ADJUST PIT LID TO SUIT PROPOSED LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
68	COUNCIL	UNKNOWN ELEC			TO BE INVESTIGATED ON SITE
69	COUNCIL	UNKNOWN ELEC			TO BE INVESTIGATED ON SITE
70	AUSGRID	ELECTRICAL PIT	2.56	2.71	ADJUST PIT LID / PIT TO SUIT PROPOSED LEVELS AND REPLACE INFILL WITH CONCRETE.
71	AUSGRID	ELECTRICAL PIT	2.61	2.75	ADJUST PIT LID / PIT TO SUIT PROPOSED LEVELS AND REPLACE INFILL WITH CONCRETE.
72	COUNCIL	ELECTRICAL PIT	2.54	-	MAINTAIN EXISTING LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
73	OPTUS	COMMS PIT	2.55	-	MAINTAIN EXISTING LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
74	AUSGRID	ELECTRICAL PIT	2.65		MAINTAIN EXISTING LEVELS. REMOVE EXISTING CONCRETE SURROUND AND REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
75	SYD WATER	WATER HYDRANT	2.67		MAINTAIN EXISTING LEVEL AND LID. PAVER CUT TO SUIT VALVE LID.
76	COUNCIL	ELECTRICAL PIT	2.65	2.68	ADJUST PIT LID TO SUIT PROPOSED LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
77	AUSGRID	ELECTRICAL PIT	2.67		MAINTAIN EXISTING LEVELS. REMOVE EXISTING CONCRETE SURROUND AND REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
78	COUNCIL	ELECTRICAL PIT	2.61	2.64	ADJUST PIT LID TO SUIT PROPOSED LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
79	UNKNOWN	COMMS PIT	2.61		MAINTAIN EXISTING LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
80	COUNCIL	ELECTRICAL PIT	2.49		MAINTAIN EXISTING LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
81	COUNCIL	WAYFINDING SIGN	-		TO BE REMOVED
82	SYD WATER	WATER SV			REMOVE AND REPLACE TO SUIT NEW WATER MAIN
83	SYD WATER	WATER SV			REMOVE AND REPLACE TO SUIT NEW WATER MAIN
84	SYD WATER	WATER HYDRANT	2.50	2.94	ADJUST VALVE TO SUIT PROPOSED LEVELS
85	SYD WATER	WATER SV	2.62	3.08	ADJUST VALVE TO SUIT PROPOSED LEVELS
86	SYD WATER	WATER HYDRANT	2.76	3.09	ADJUST VALVE TO SUIT PROPOSED LEVELS
87	COUNCIL	ELECTRICAL PIT	3.11		MAINTAIN EXISTING LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
88	COUNCIL	ELECTRICAL PIT		-	MAINTAIN EXISTING LEVELS. REPLACE LID WITH INFILL WITH PAVERS TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
89	JEMENA	GAS VALVE	2.87	-	MAINTAIN EXISTING LEVEL AND LID. PAVER CUT TO SUIT VALVE LID.
90	JEMENA	GAS VALVE	2.86		MAINTAIN EXISTING
91	JEMENA	GAS VALVE	2.73	-	MAINTAIN EXISTING

Scale

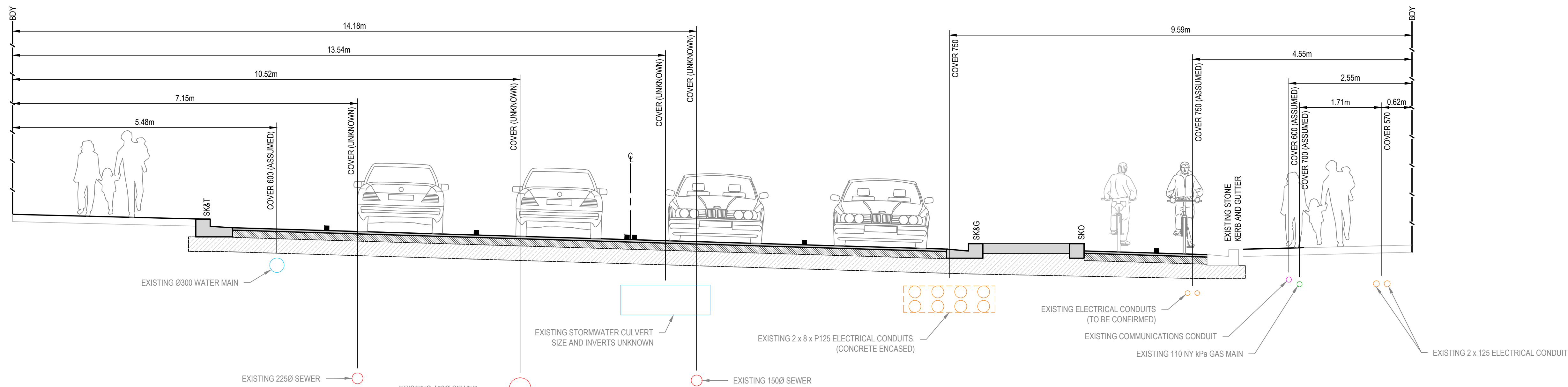
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SCALE 1:200 @A1

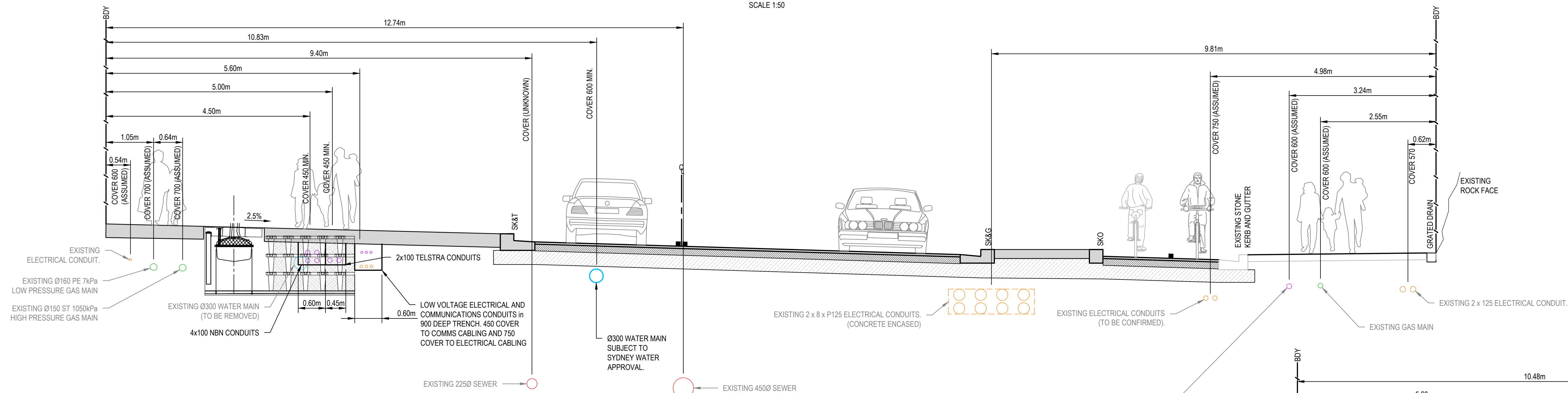
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Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale N.T.S
	Date 3/22/2024
Title UTILITIES ADJUSTMENT PLAN	Size A1
	Datum MGA 2020
SHEET 03	

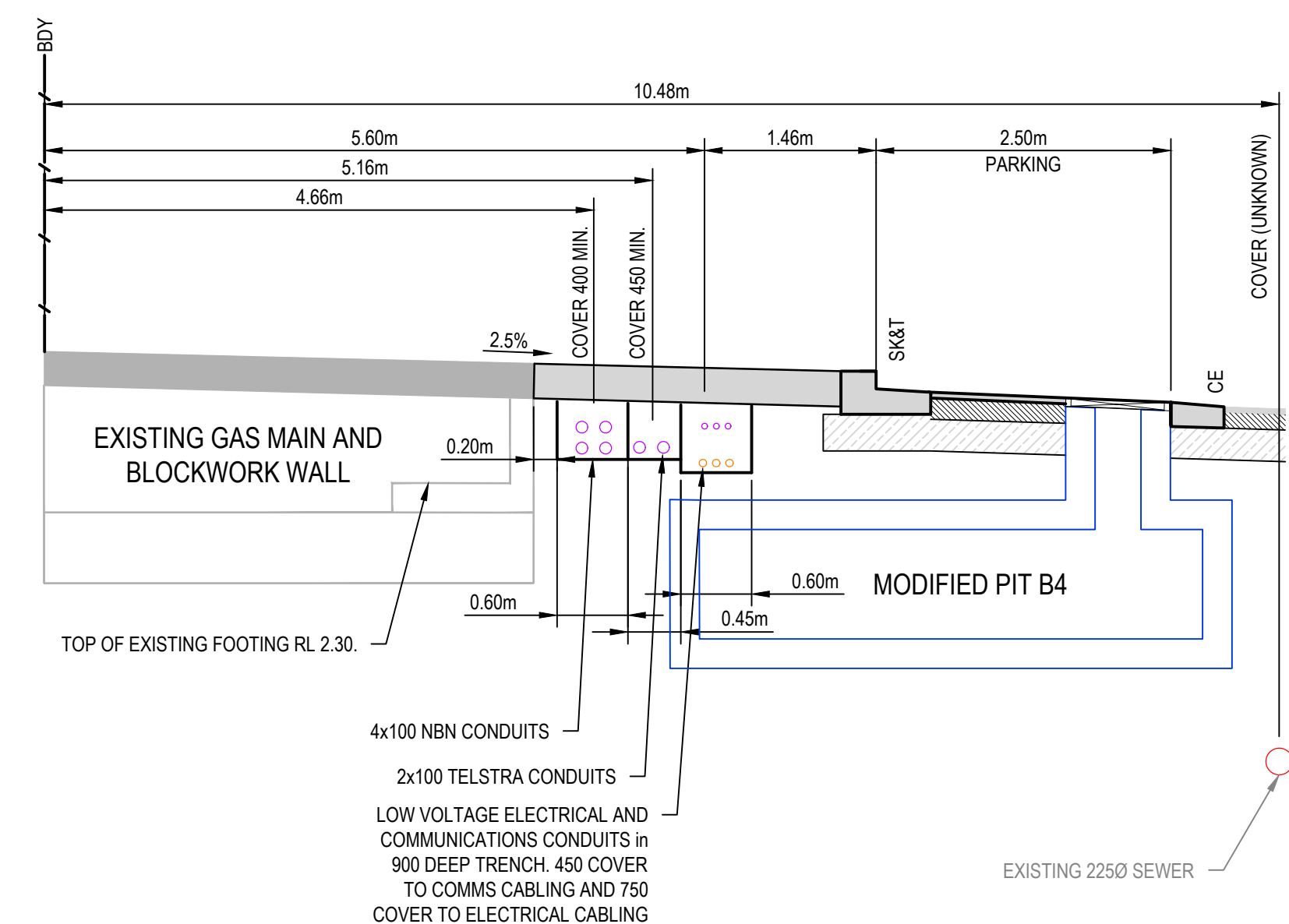
Status	
FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION	
Project Number/Drawing Number	Revision
B1D-CD2-600042	5



HICKSON ROAD (CH 220.00)
SCALE 1:50

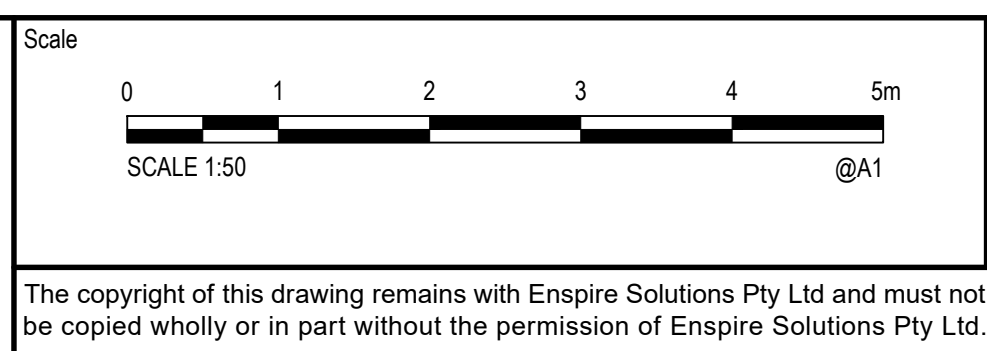


HICKSON ROAD (CH 270.00)
SCALE 1:50

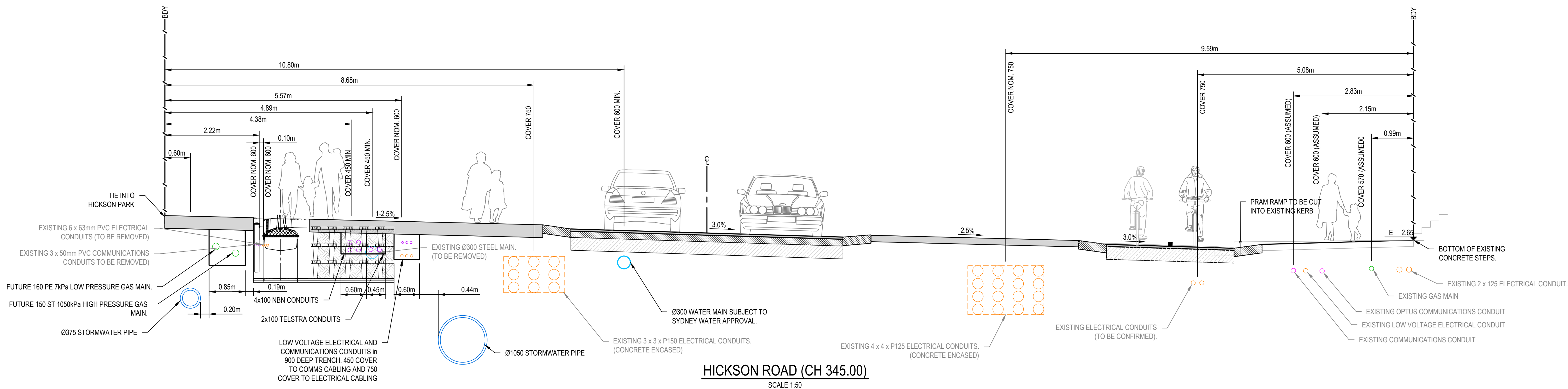
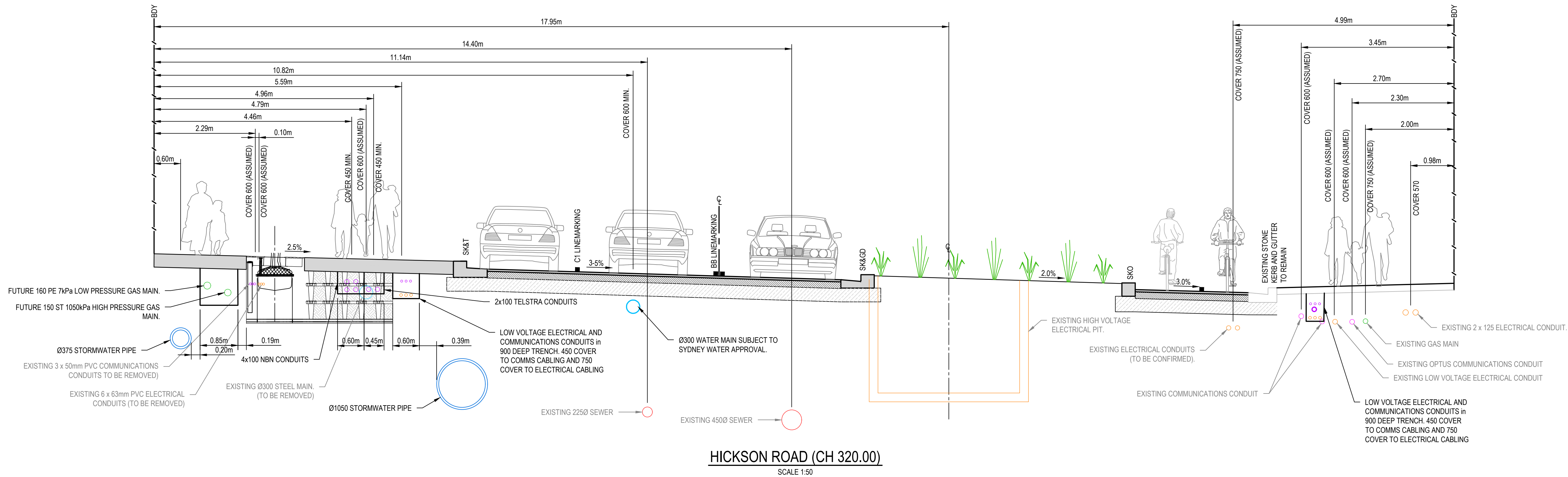


HICKSON ROAD (CH 294.00)
SCALE 1:50

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
6	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
5	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL	
4	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ	MTL	
3	18/08/2025	ISSUED FOR 80% IFT / REF	EZ	EZ	MTL	
2	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL



Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale 1:50 First Issue Date 3/22/2024	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Title UTILITY TYPICAL CROSS SECTIONS SHEET 01	Size A1 Datum MGA 2020	Project Number/Drawing Number B1D-CD2-600050 Revision 6



REV.	DATE	DESCRIPTION	MDH	MTL	MKH	MTL
6	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
5	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL	MTL
4	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ	MTL	MTL
3	18/08/2025	ISSUED FOR 80% IFT / REF	EZ	EZ	MTL	MTL
2	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL

Client





Scale



SCALE 1:50 @A1

North



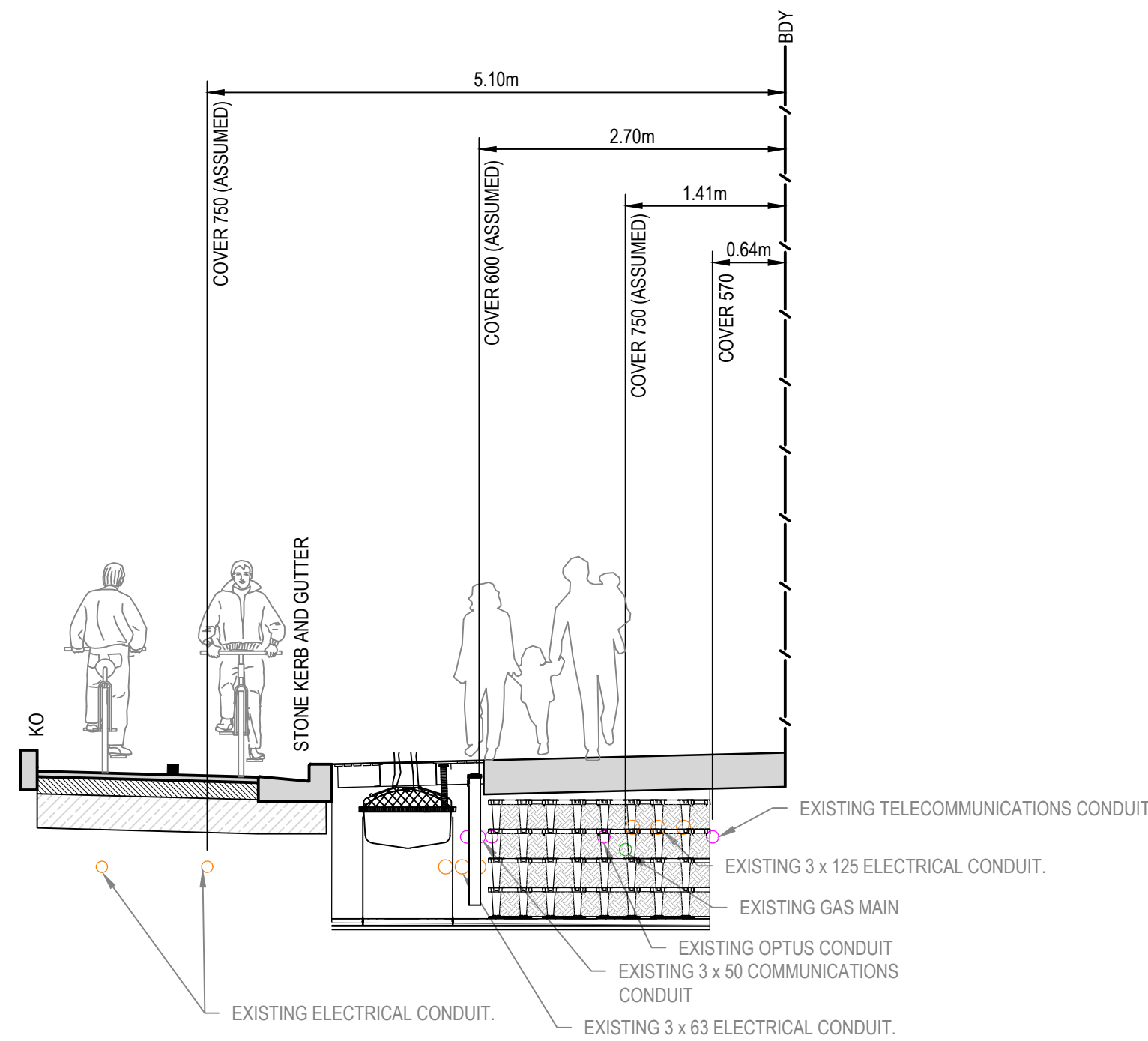
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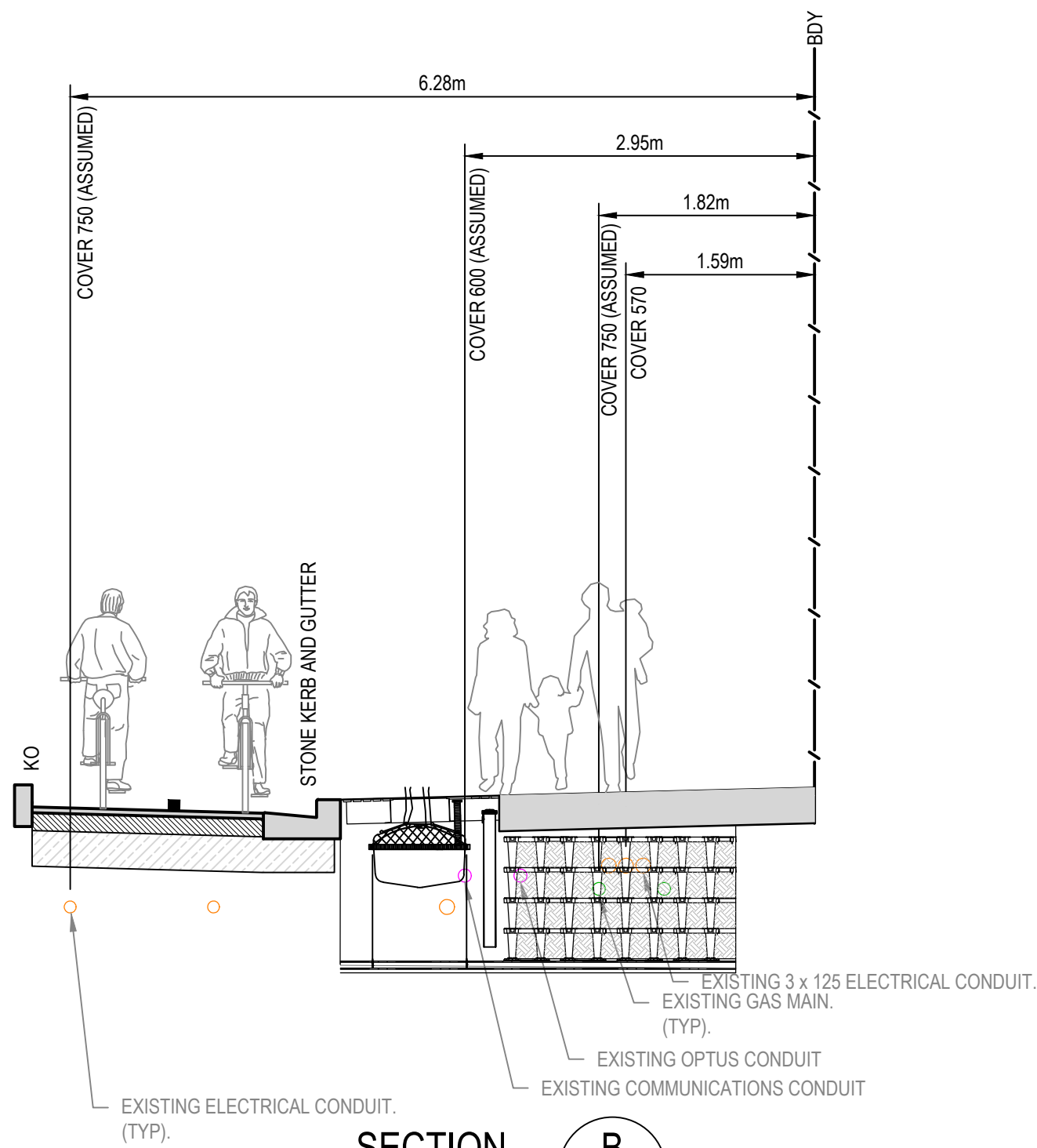


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Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale 1:50 First Issue Date 3/22/2024	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Title UTILITY TYPICAL CROSS SECTIONS SHEET 02	Size A1 Datum MGA 2020	Project Number/Drawing Number B1D-CD2-600051 Revision 6



SECTION A
SCALE 1:50
200042



SECTION B
SCALE 1:50
200043

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
6	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
5	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
4	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
3	18/08/2025	ISSUED FOR 80% IFT / REF	EZ	EZ		MTL
2	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
1	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL

Client

lendlease

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New South Wales

Scale

0 1 2 3 4 5m

SCALE 1:50 @A1

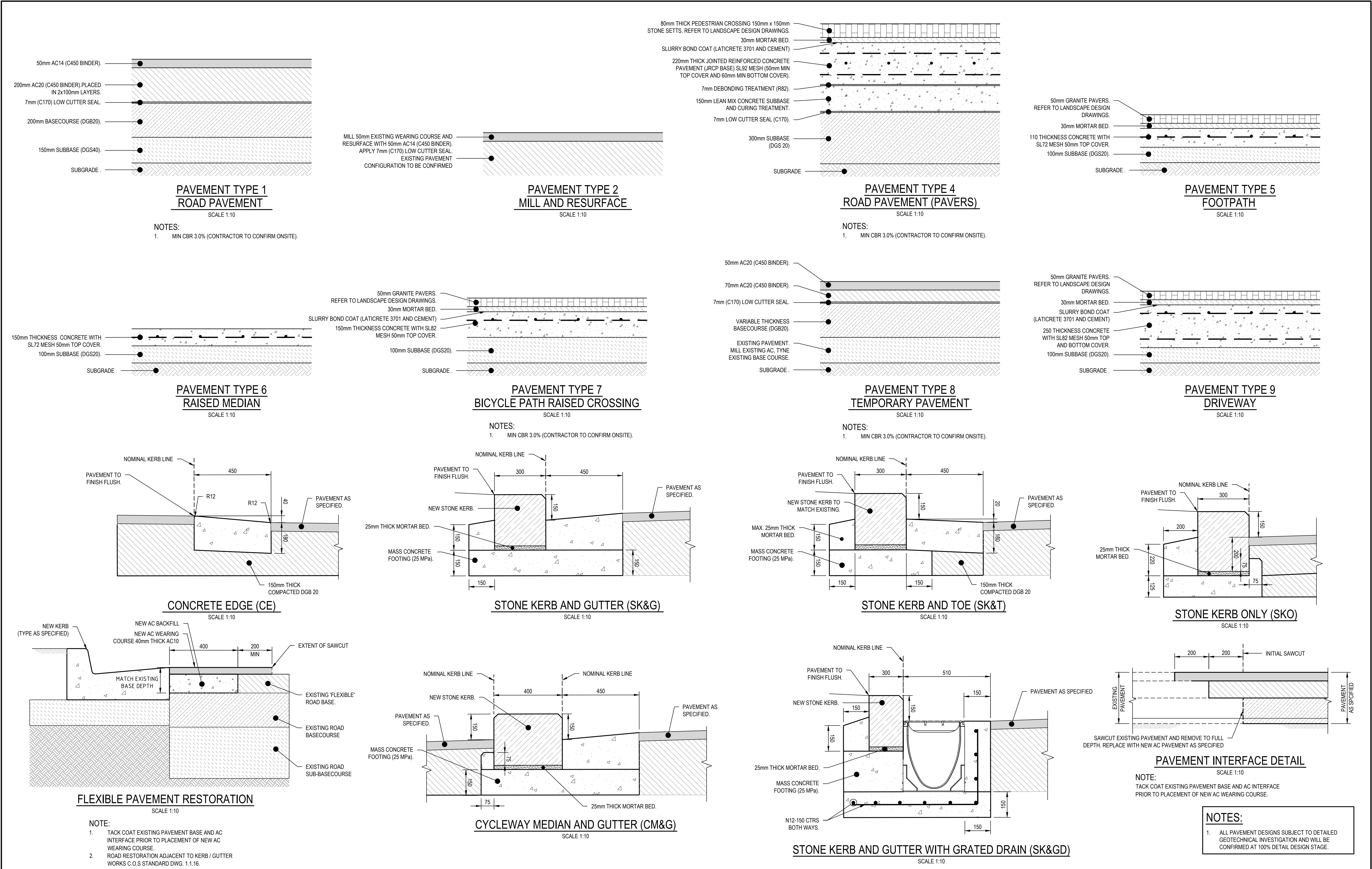
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North

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Phone: 02 9922 6135
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Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale 1:50 First Issue Date 3/22/2024	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Title UTILITY TYPICAL CROSS SECTIONS	Size A1 Datum MGA 2020	Project Number/Drawing Number B1D-CD2-600052 Revision 6
SHEET 03		

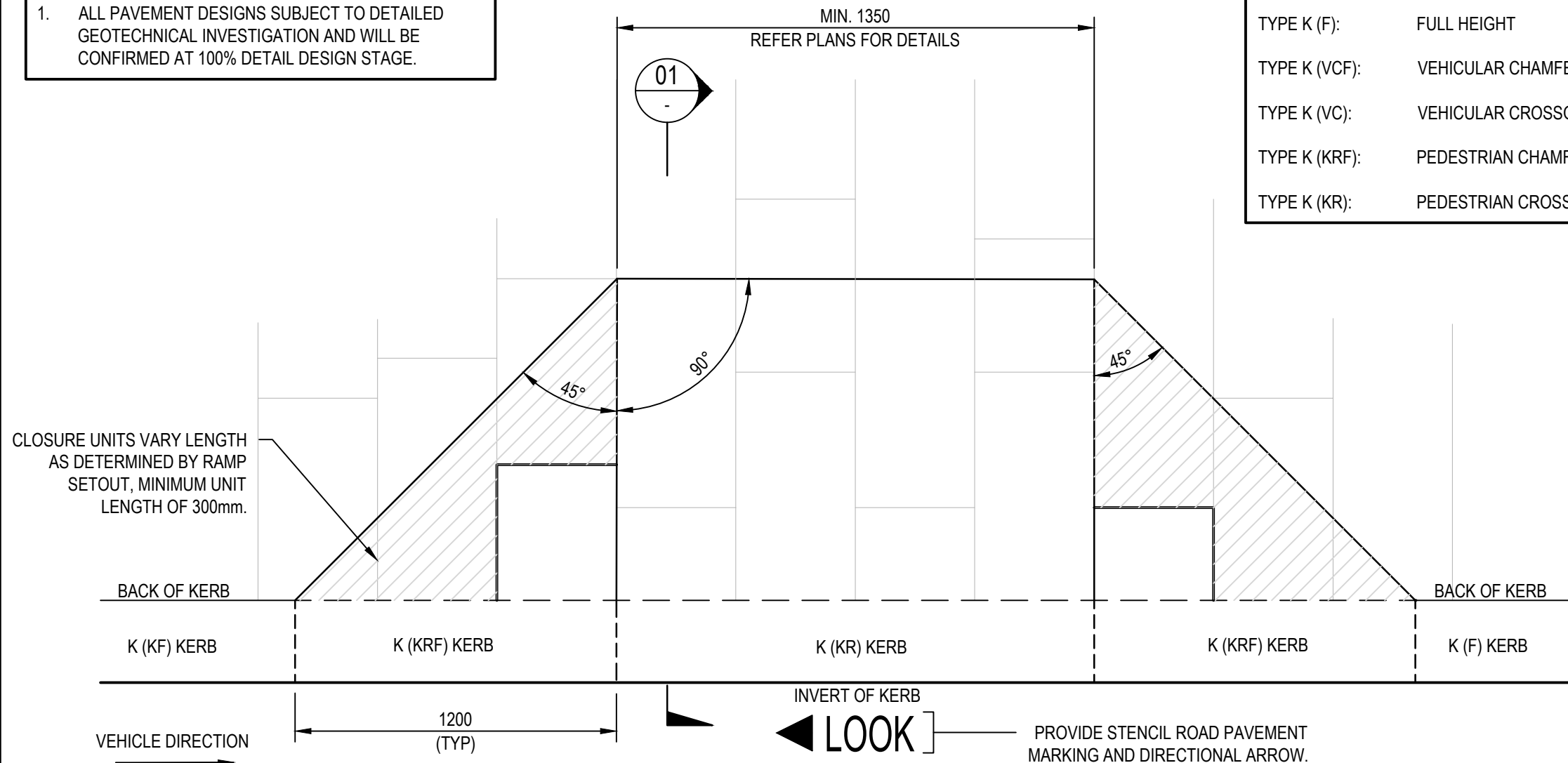


NOTES:

1. ALL PAVEMENT DESIGNS SUBJECT TO DETAILED GEOTECHNICAL INVESTIGATION AND WILL BE CONFIRMED AT 100% DETAIL DESIGN STAGE.

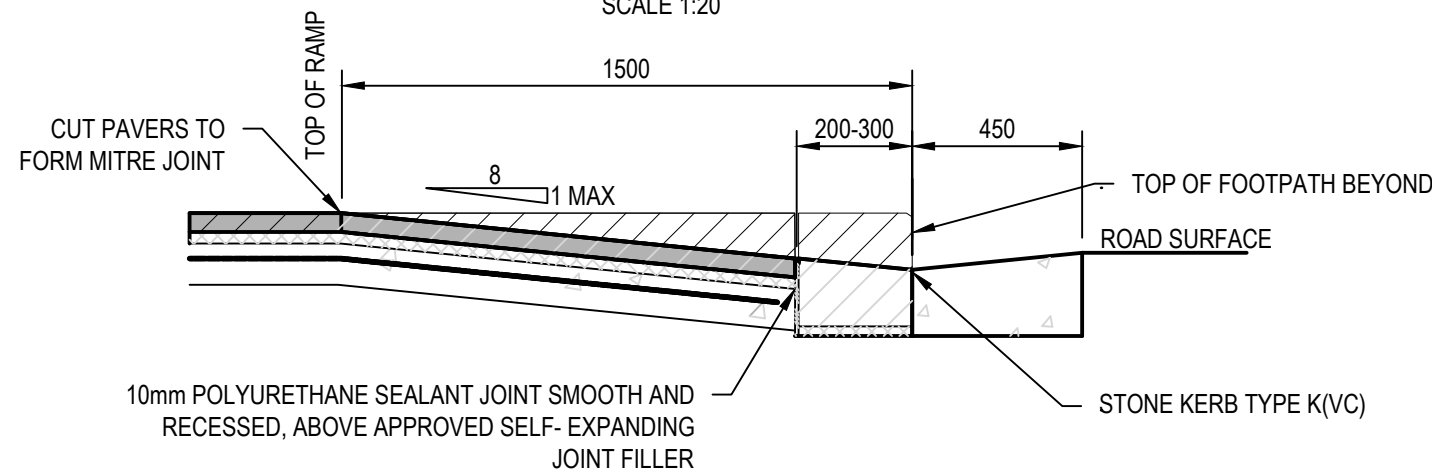
KERB TYPES

- TYPE K (F): FULL HEIGHT
TYPE K (VCF): VEHICULAR CHAMFERED TO FALL
TYPE K (VC): VEHICULAR CROSSOVER
TYPE K (KRF): PEDESTRIAN CHAMFERED TO FALL
TYPE K (KR): PEDESTRIAN CROSSOVER



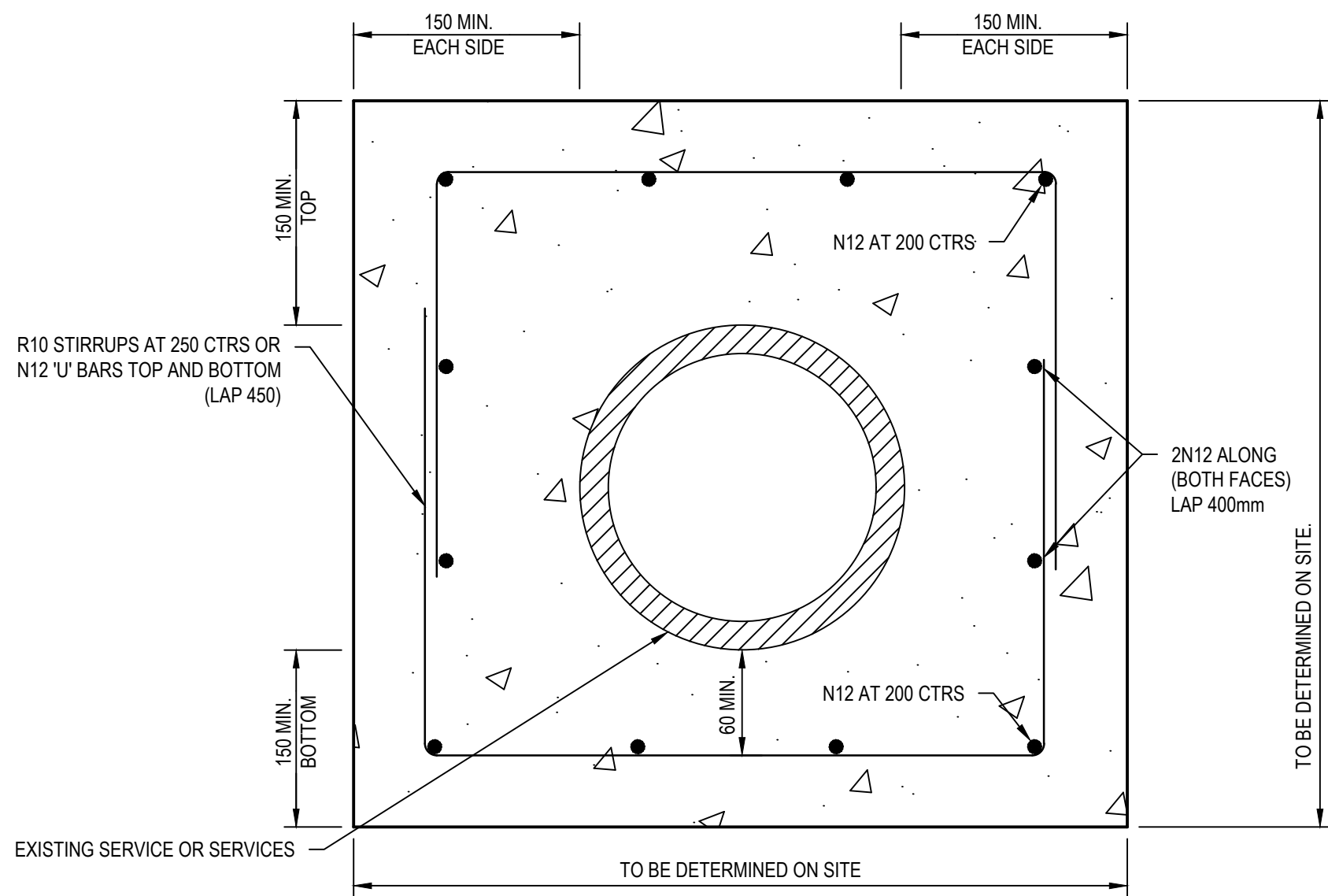
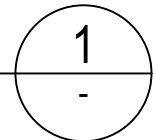
PLAN
KERB RAMP

SCALE 1:20



SECTION

SCALE 1:20

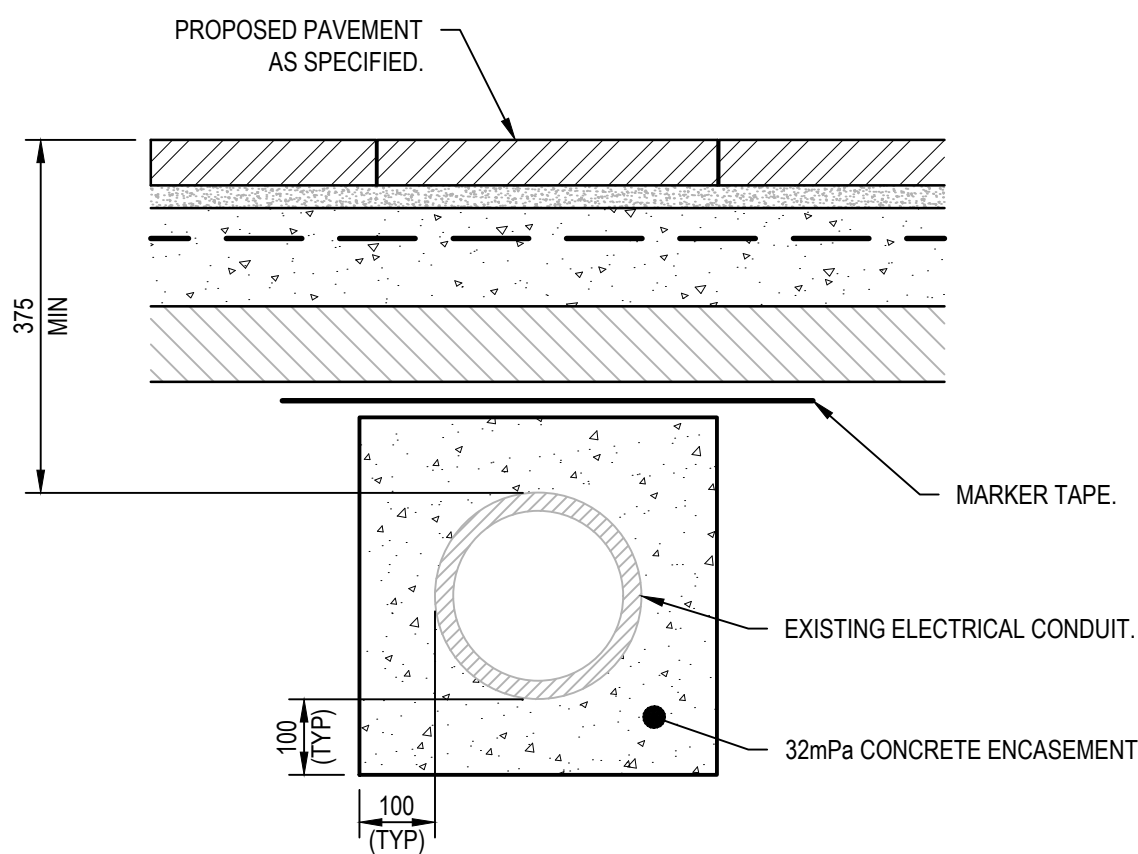


CONCRETE ENCASEMENT DETAIL

SCALE 1:5

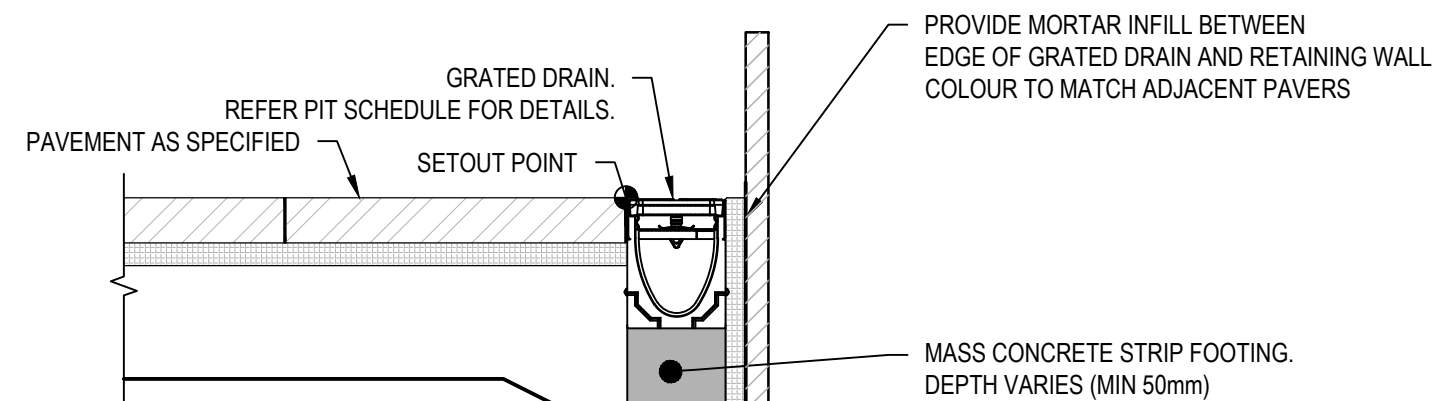
NOTES:

1. ALL REINFORCEMENT MIN. 60mm COVER
2. CONCRETE STRENGTH - 40MPa MIN.
3. ONLY PLASTIC CHAIRS TO BE USED DURING THE INSTALLATION OF REINFORCEMENT
4. ALL REINFORCEMENT AS/NZ 4671



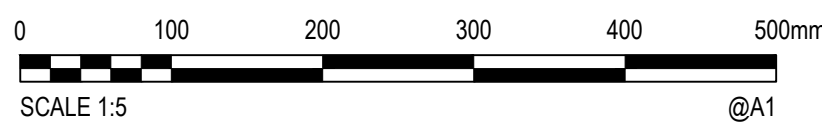
TYPICAL SHALLOW ELECTRICAL
SERVICES PROTECTION DETAIL

SCALE 1:10

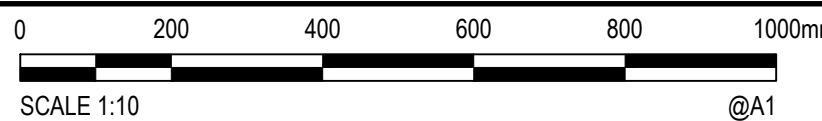


GRATED DRAIN ADJACENT TO RETAINING WALL

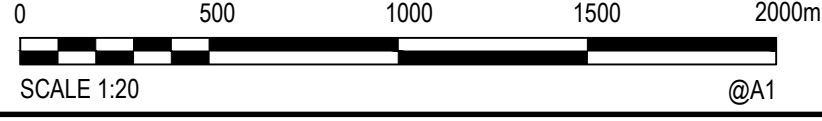
SCALE 1:10



SCALE 1:5 @A1



SCALE 1:10 @A1



SCALE 1:20 @A1

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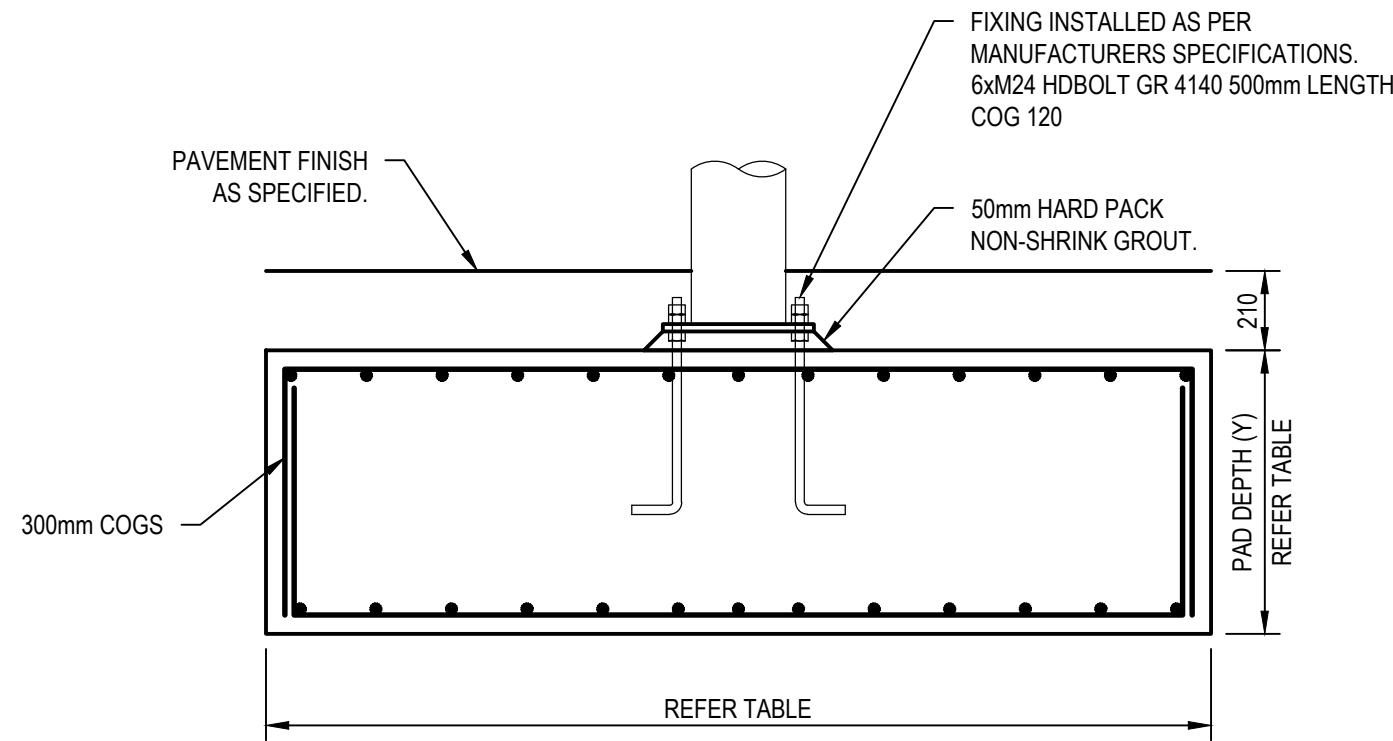
Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS
Title
SITEWORKS DETAILS
SHEET 02

Scale
AS SHOWN
Date
10/20/2023
Size
A1
Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION
Project Number/Drawing Number
B1D-CD2-700002
Revision
7

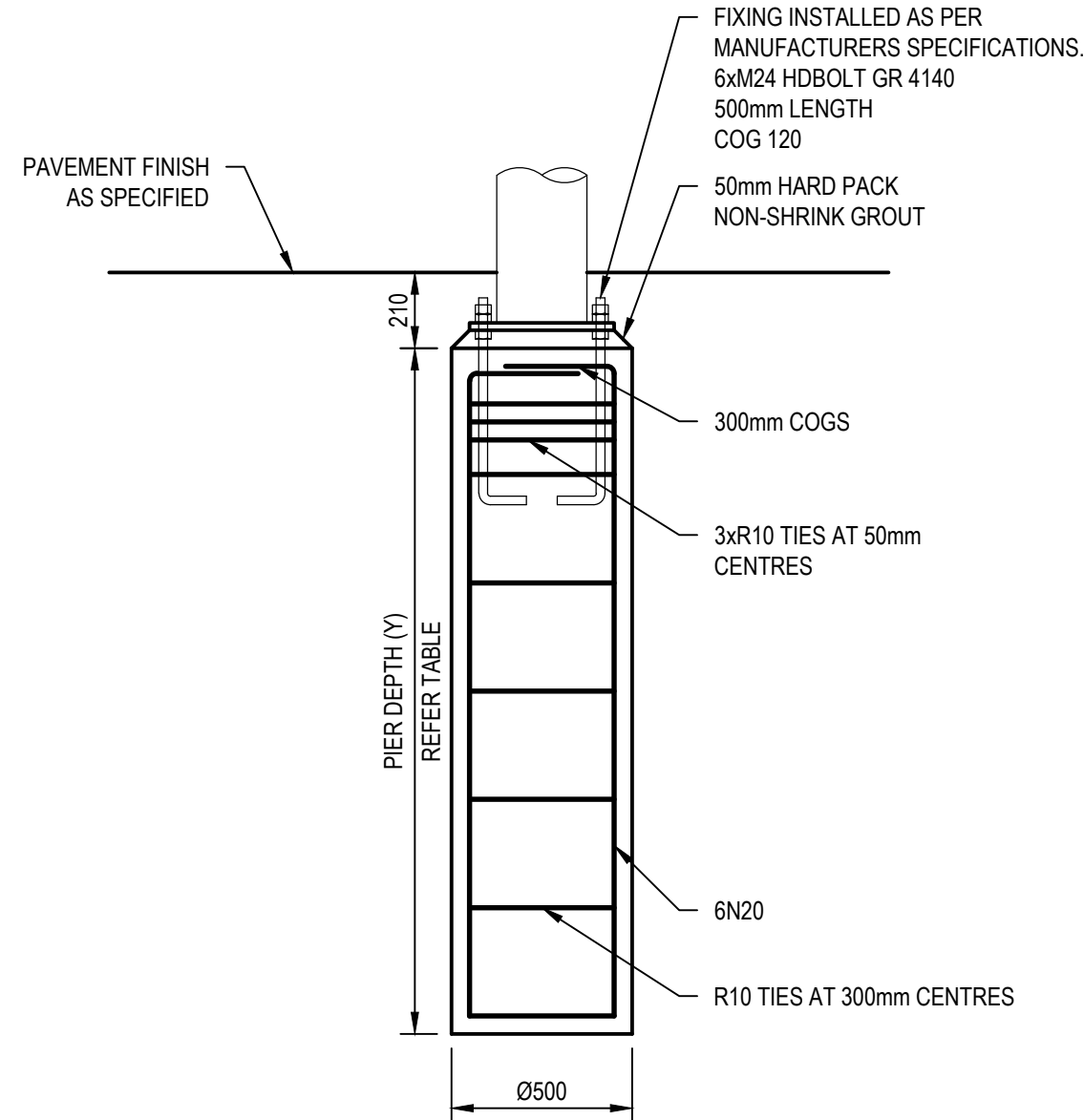
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6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

Client
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New South Wales



SMART POLE SHALLOW PAD FOOTING (TYPE 03)

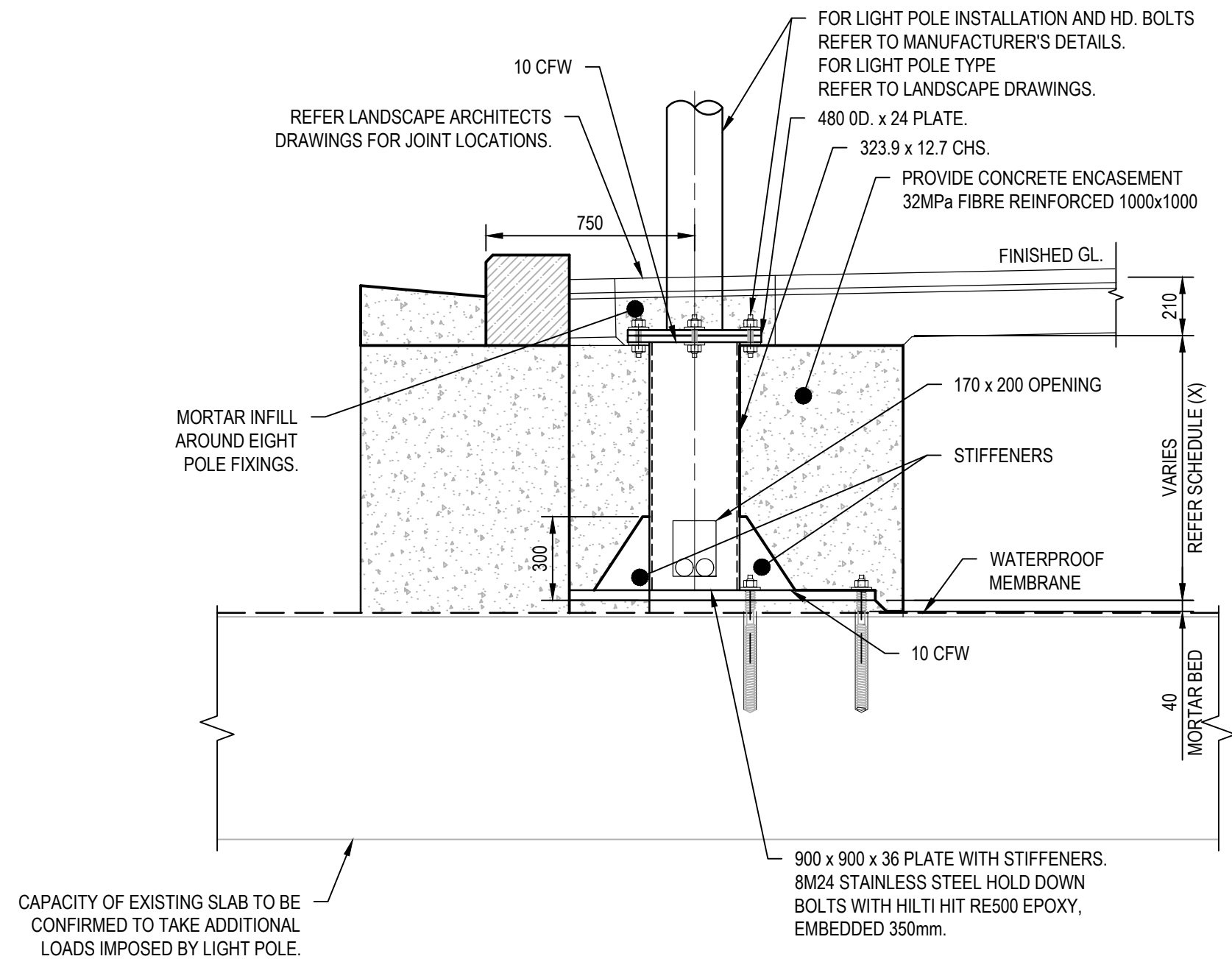
SCALE 1:20



SMART POLE DEEP FOOTING (TYPE 04)

SCALE 1:20

FOUNDATION TABLE				
PART NO.	PAD DIMENSION (m)	PAD DEPTH (Y)	PAD REINFORCEMENT TOP AND BOTTOM	PIER DEPTH (Y)
SA1 12 - 9.6m	2.0m	0.75m	9N16	2.8m
S1B 9.6m	2.0m	0.70m	7N16	2.0m
S1B 7.2 - 4.8m	1.5m	0.80m	6N12	1.8m
S2B 7.2m	1.5m	0.60m	N16 - 200	2.0m
S2C 7.2m	1.5m	0.60m	N16 - 200	2.0m
S2C 4.8m	1.2m	0.45m	N16 - 250	1.3m
S2D 5.0m	1.2m	0.45m	N16 - 250	1.3m
S2 4.75m	1.2m	0.50m	N16 - 250	1.2m
P1 3.83m	1.0m	0.40m	N16 - 250	1.0m

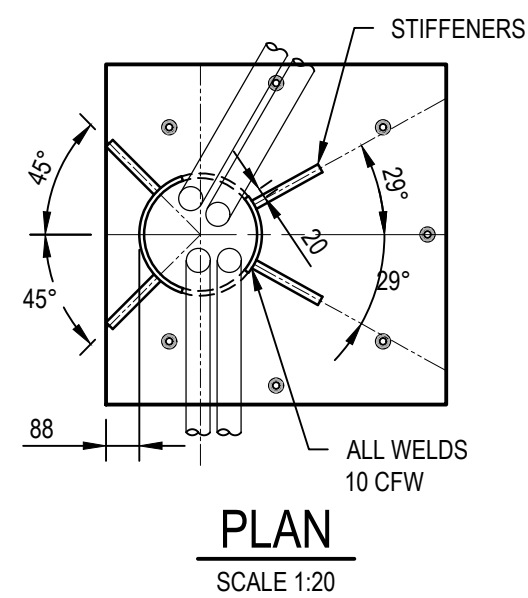


SMART POLE ON STRUCTURAL SLAB BEHIND KERB

SCALE 1:20

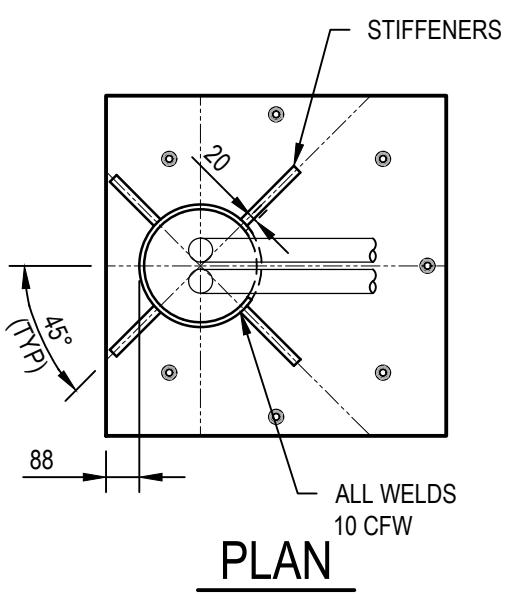
NOTE:

- ALL STEELWORK TO BE HOT DIP GALVANISED.



PLAN

SCALE 1:20



PLAN

SCALE 1:20

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL	MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ	MTL	MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD	MTL	MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD	MTL	MTL



Scale	0 500 1000 1500 2000mm	North
SCALE 1:20	@A1	
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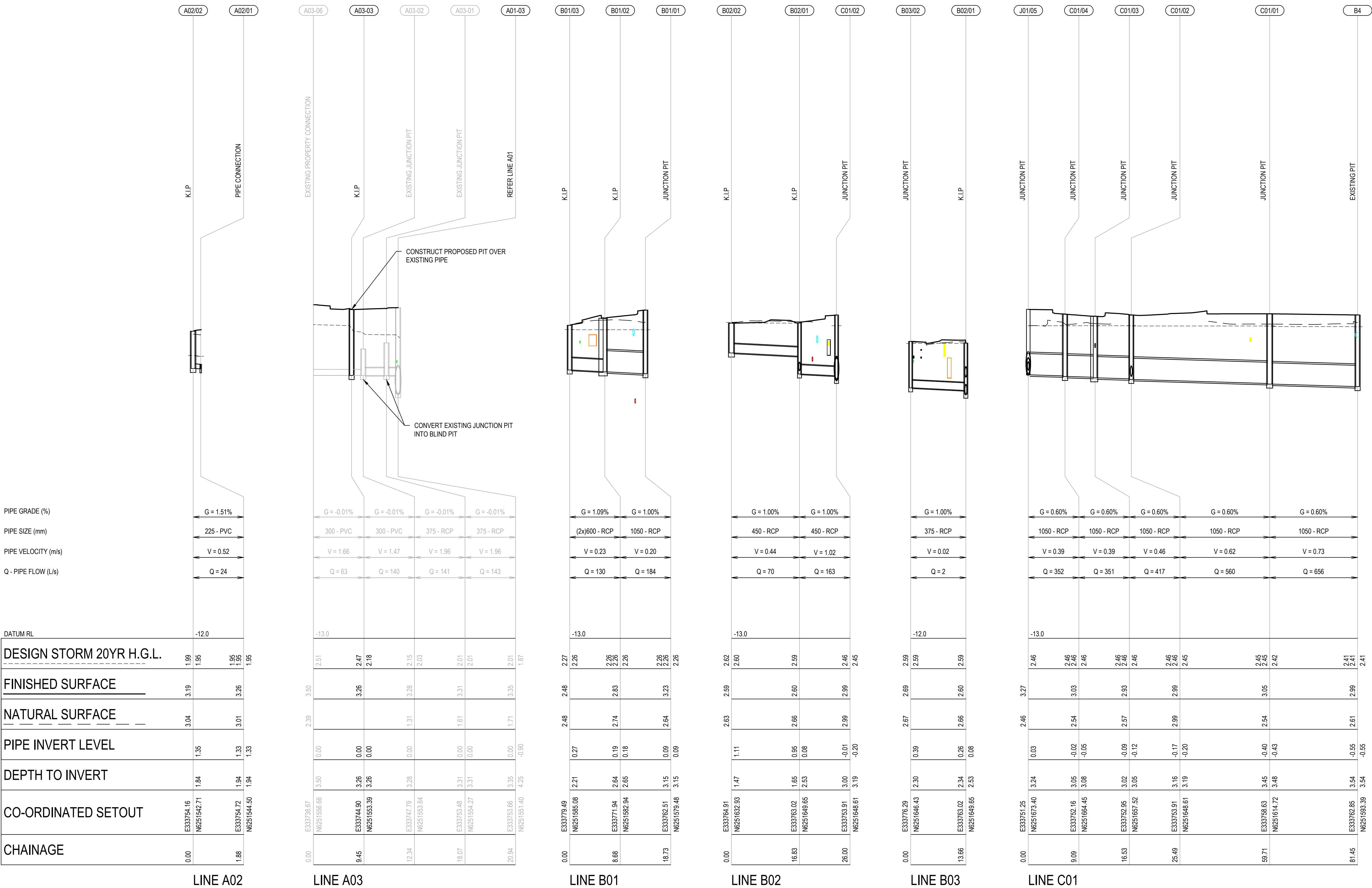
Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale AS SHOWN Date 10/20/2023	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Title SMART POLE DETAILS	Size A1 Datum MGA 2020	Project Number/Drawing Number B1D-CD2-700008

Revision 7

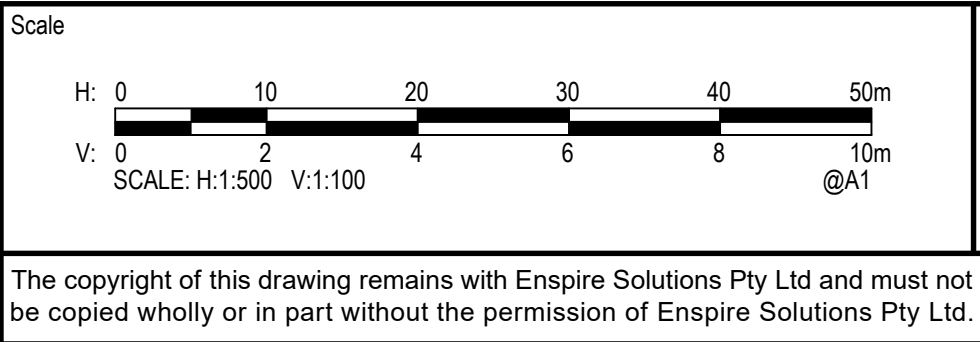
NOTES:

1. CHAINAGE DENOTED IN CHAINAGE BOX REFERS TO CUMULATIVE DISTANCE BETWEEN SETOUT POINTS OF STORMWATER STRUCTURES.

2. REFER TO DRG. 700023 FOR DRAINAGE PIT SCHEDULE.



8	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL	Client
7	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL	
6	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL	
5	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH	
4	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL	
3	19/02/2024	RE-ISSUED FOR COORDINATION	MDH	MTL		MTL	
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL	
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL	
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.	



Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title
STORMWATER LONGITUDINAL SECTIONS

SHEET 01

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date 10/20/2023	Project Number/Drawing Number B1D-CD2-700010
Size A1	Revision 8
Datum MGA 2020	

1. CHAINAGE DENOTED IN CHAINAGE BOX REFERS TO CUMULATIVE DISTANCE BETWEEN SETOUT POINTS OF STORMWATER STRUCTURES.
2. REFER TO DRG. 700023 FOR DRAINAGE PIT SCHEDULE.



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Scale	AS SHOWN
Date	10/20/2023
Size	A1
Datum	MGA 2020

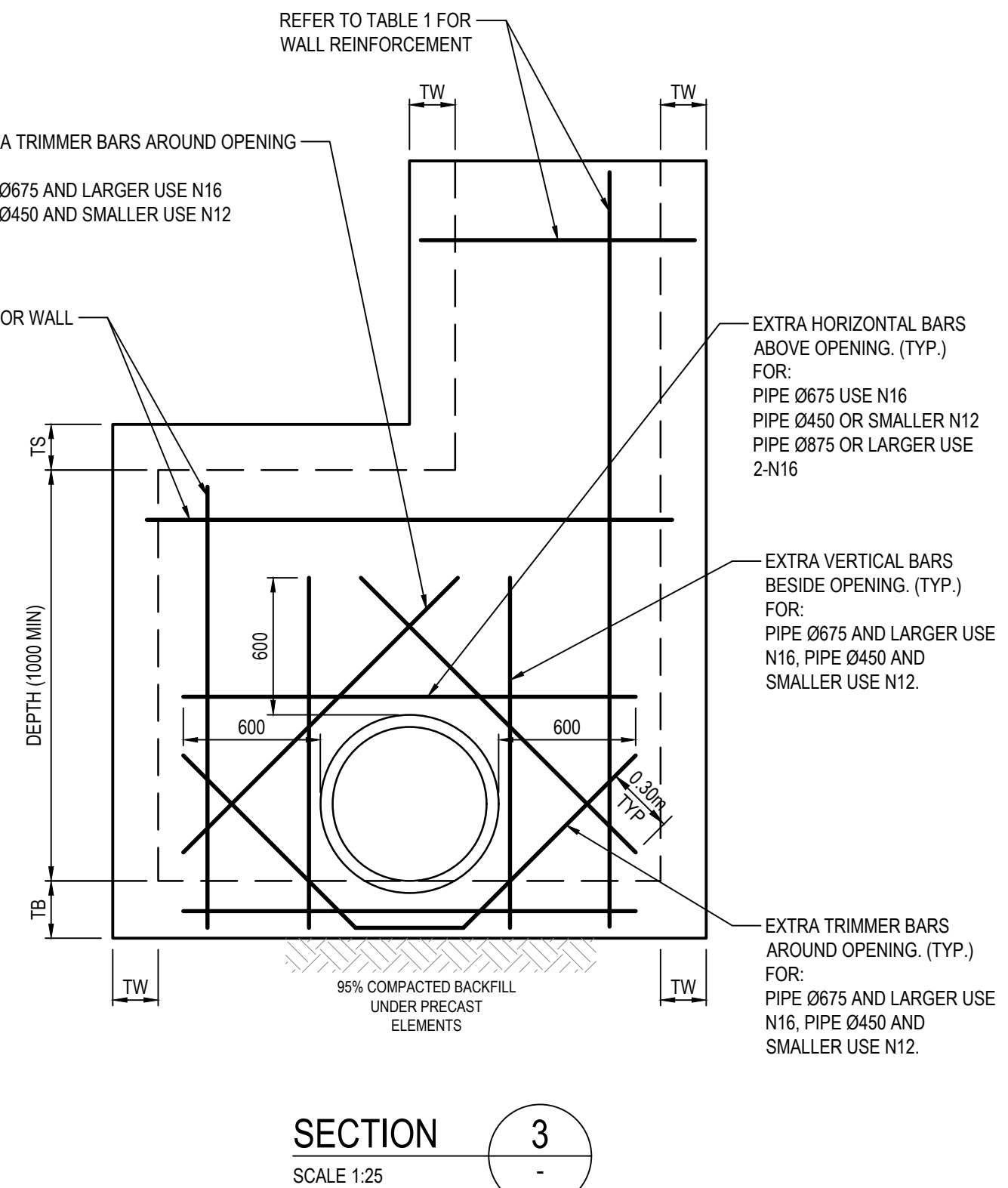
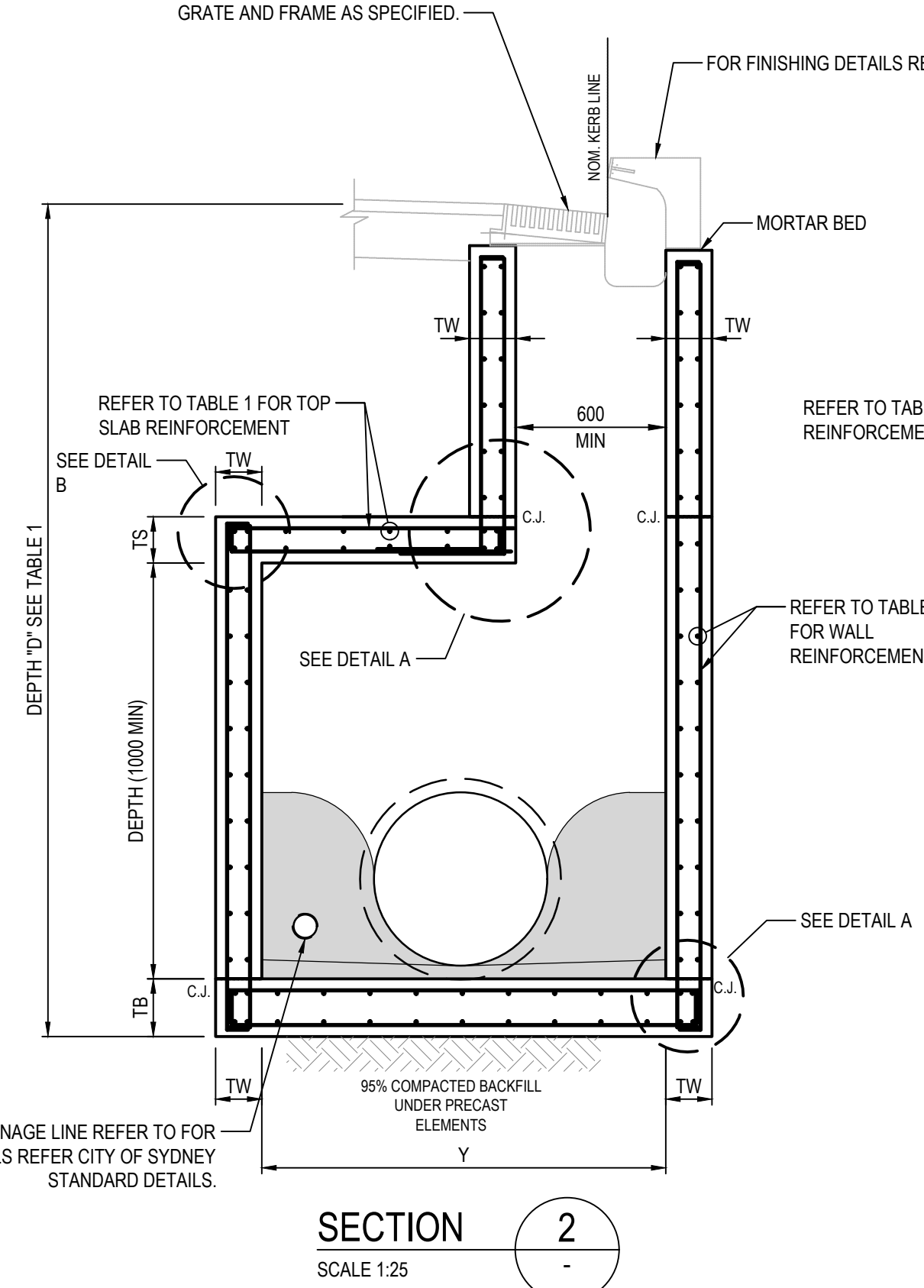
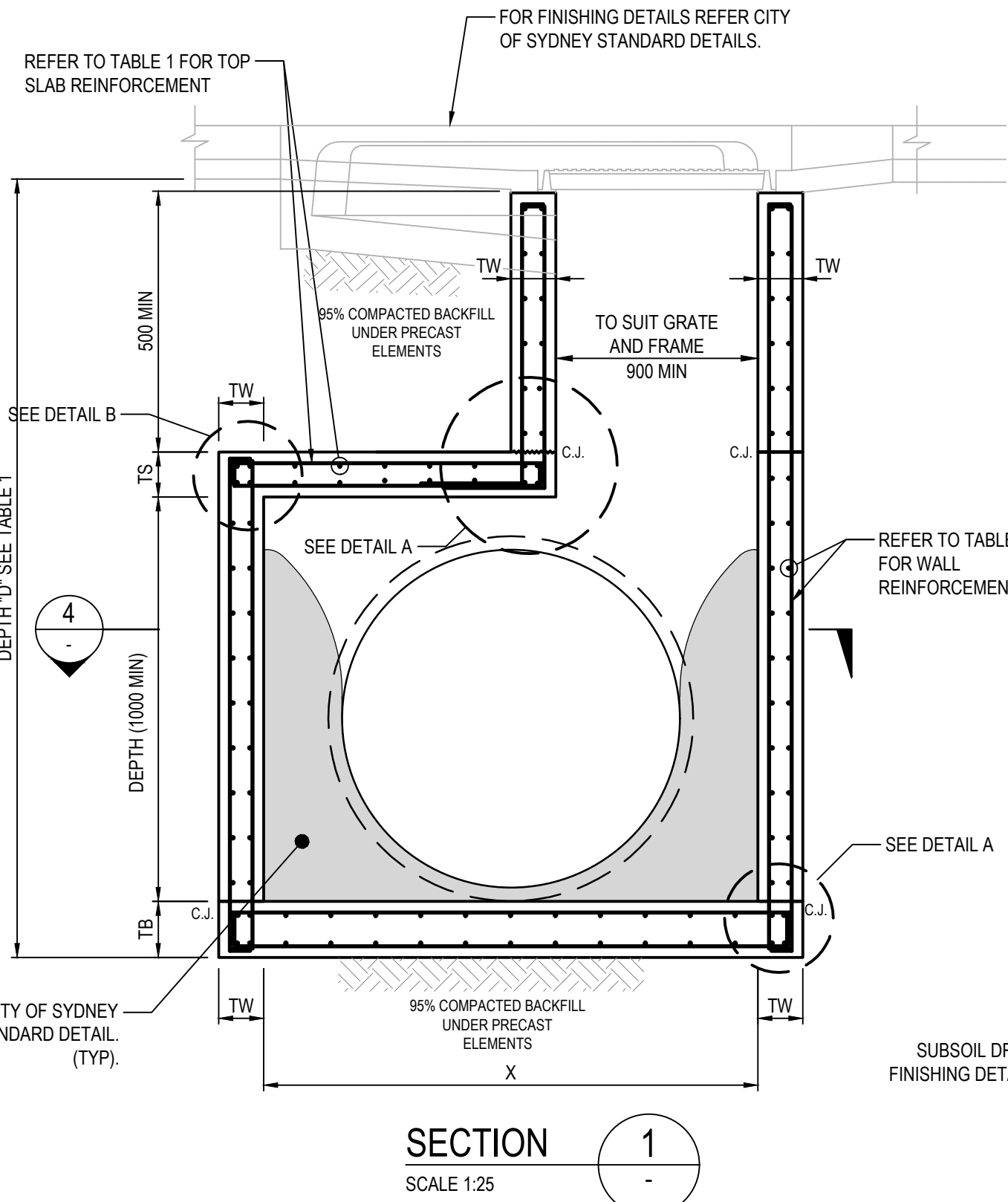
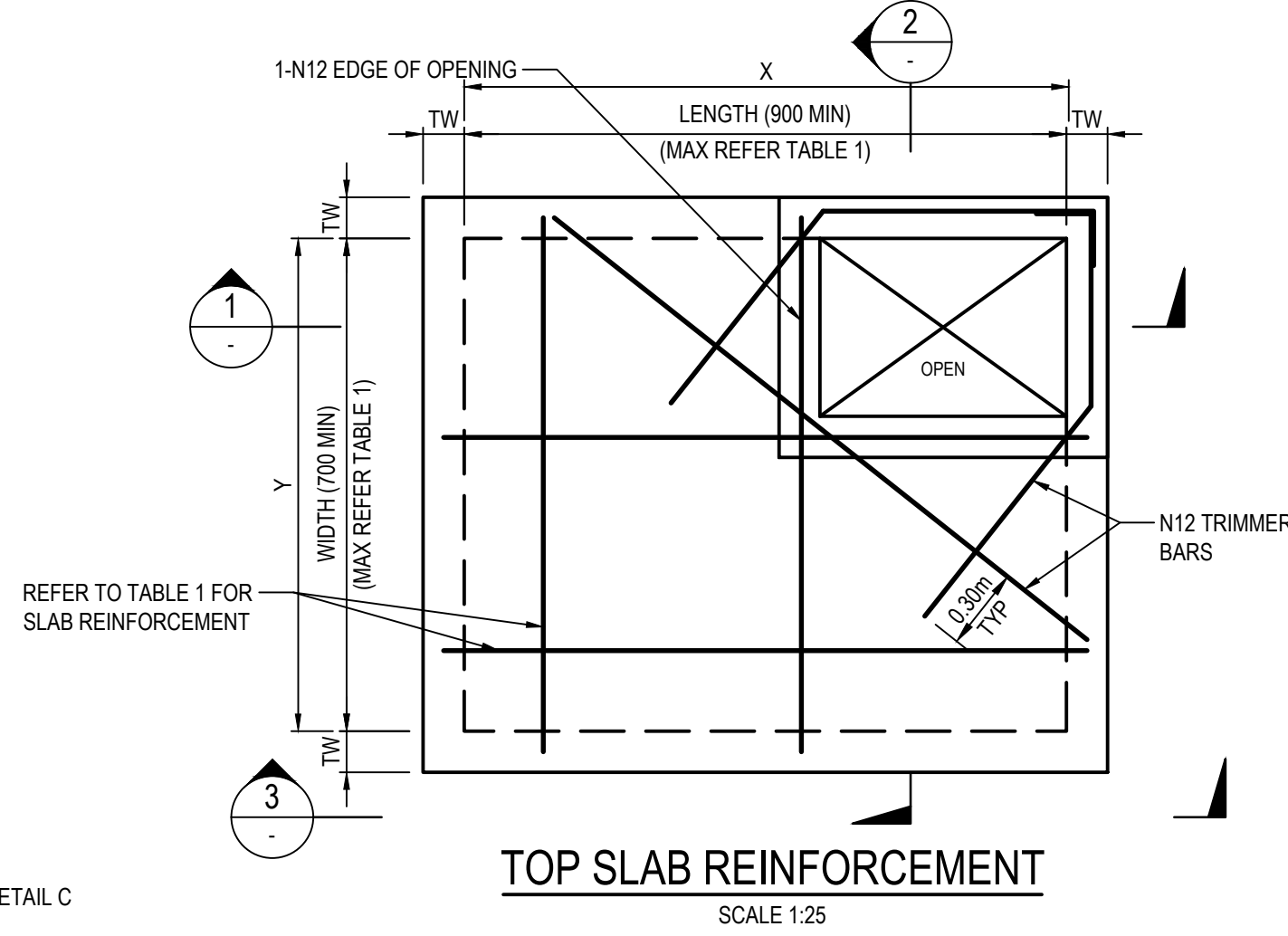
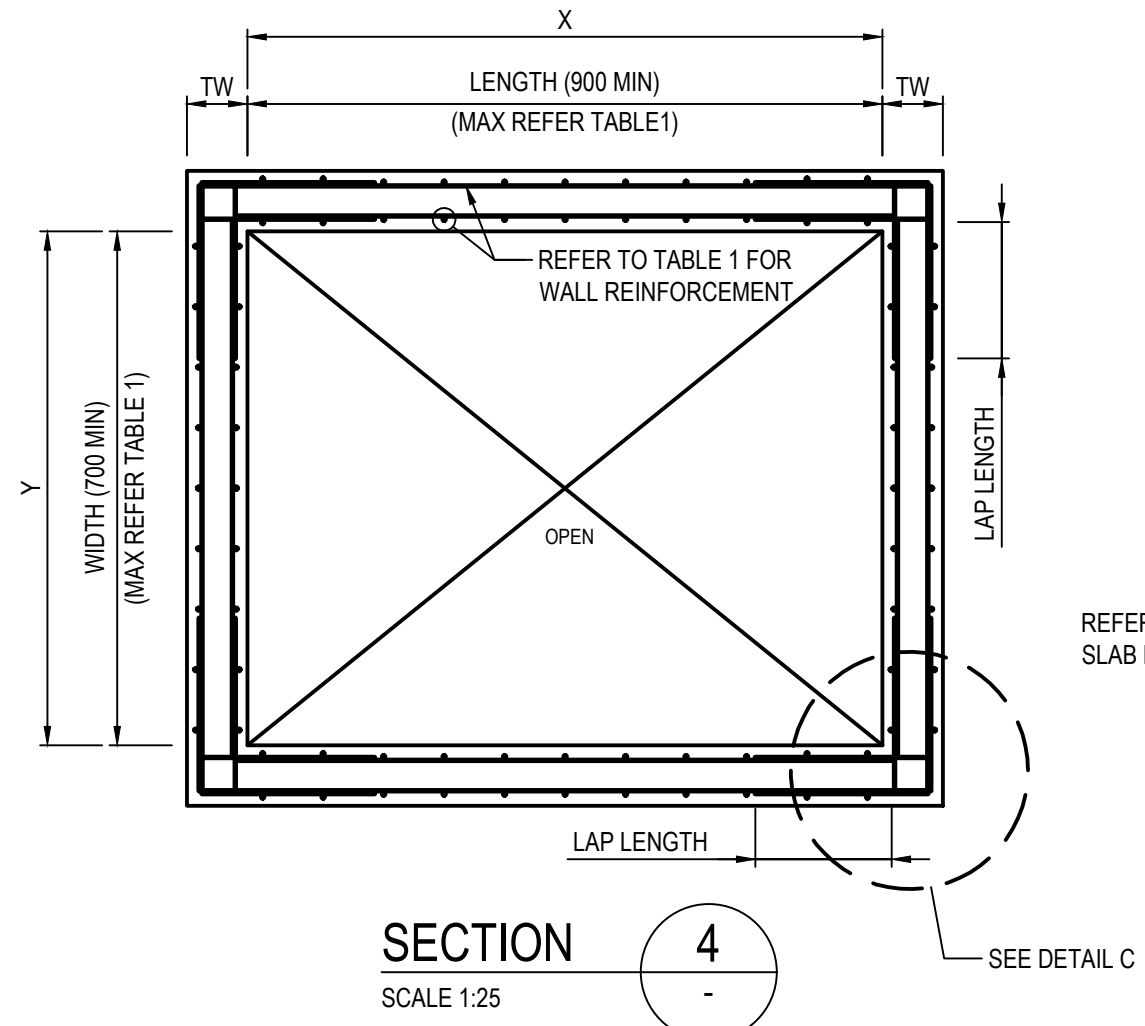
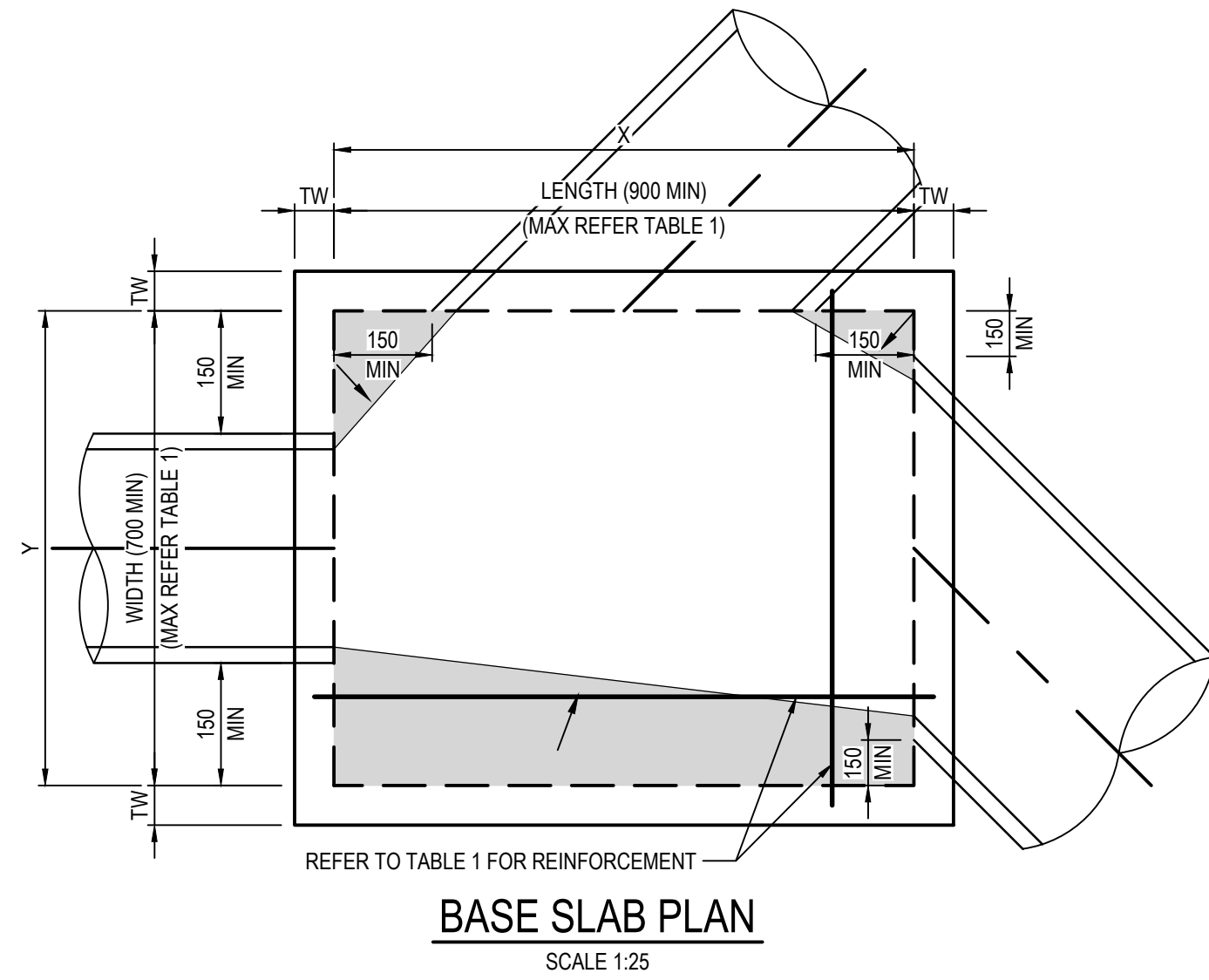
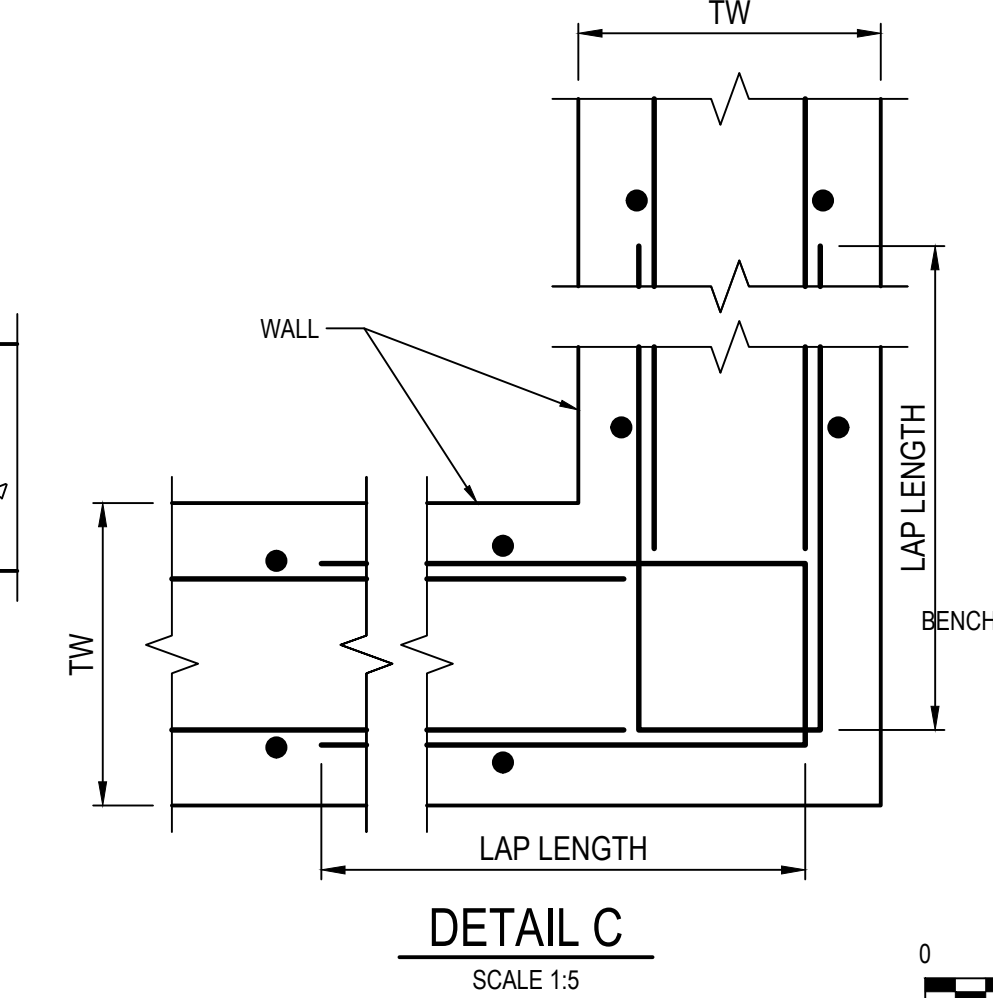
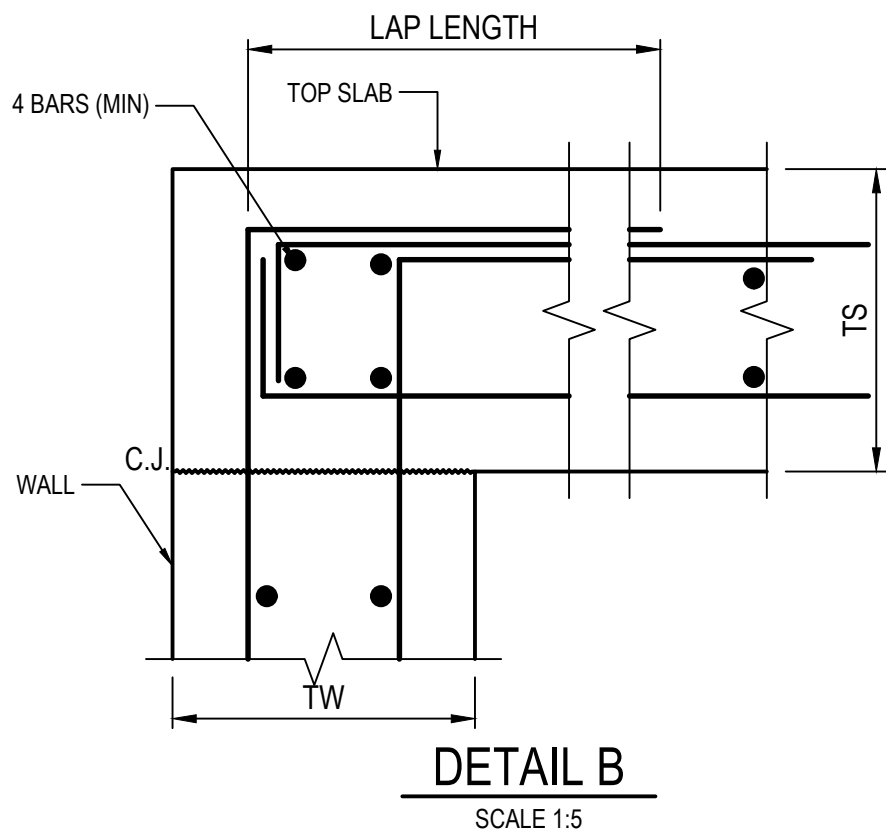
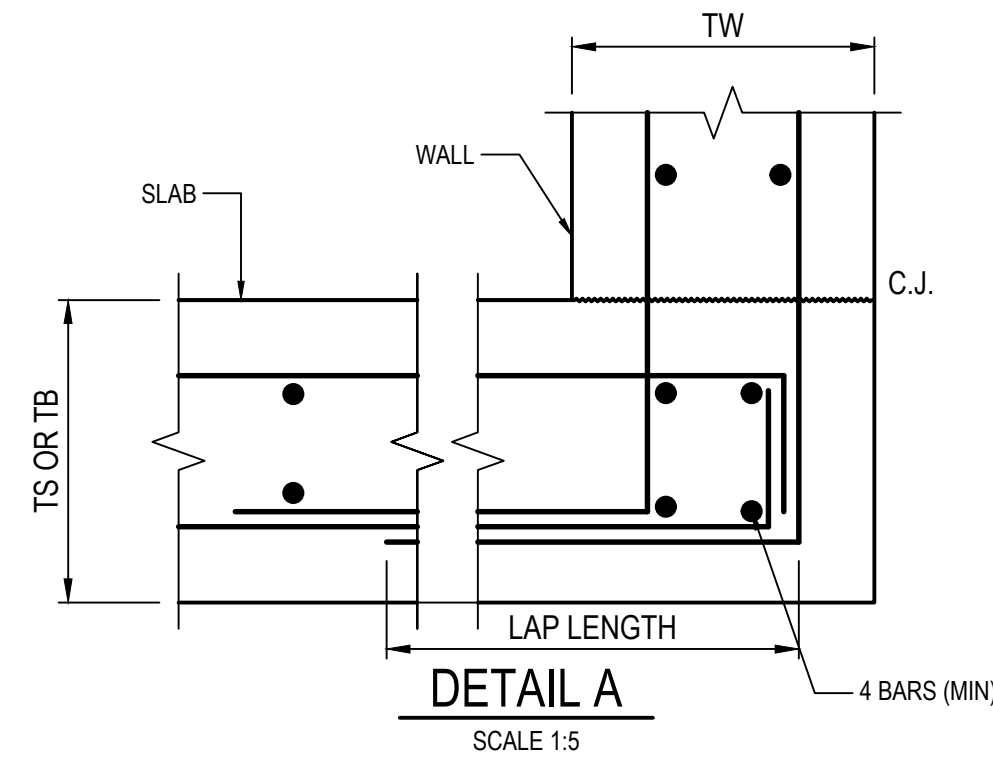
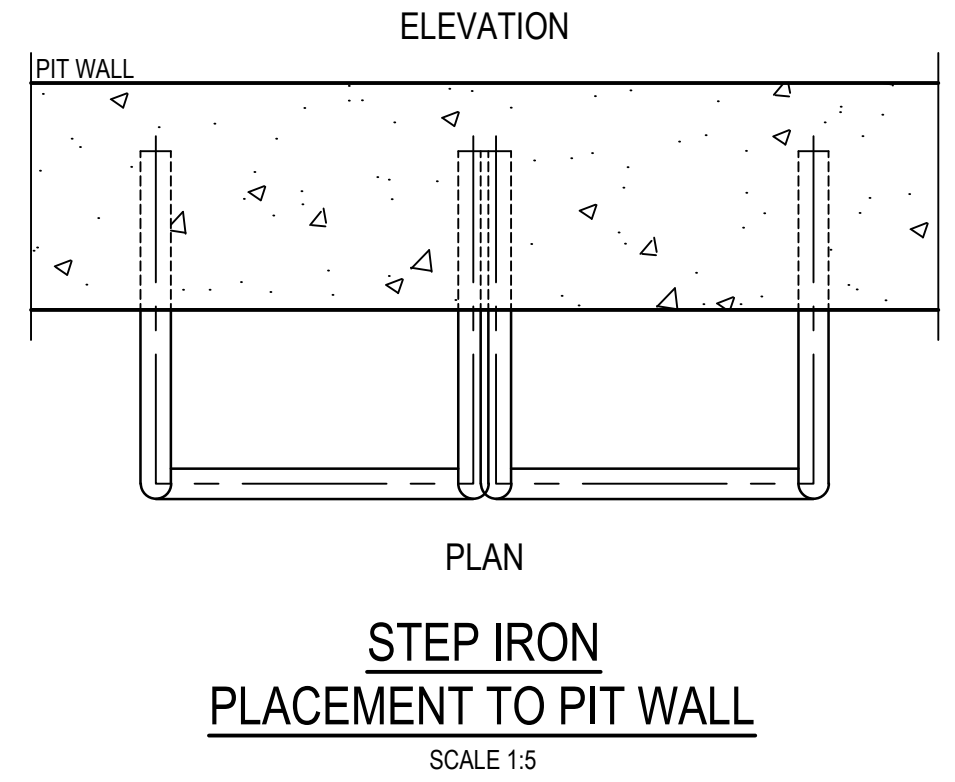
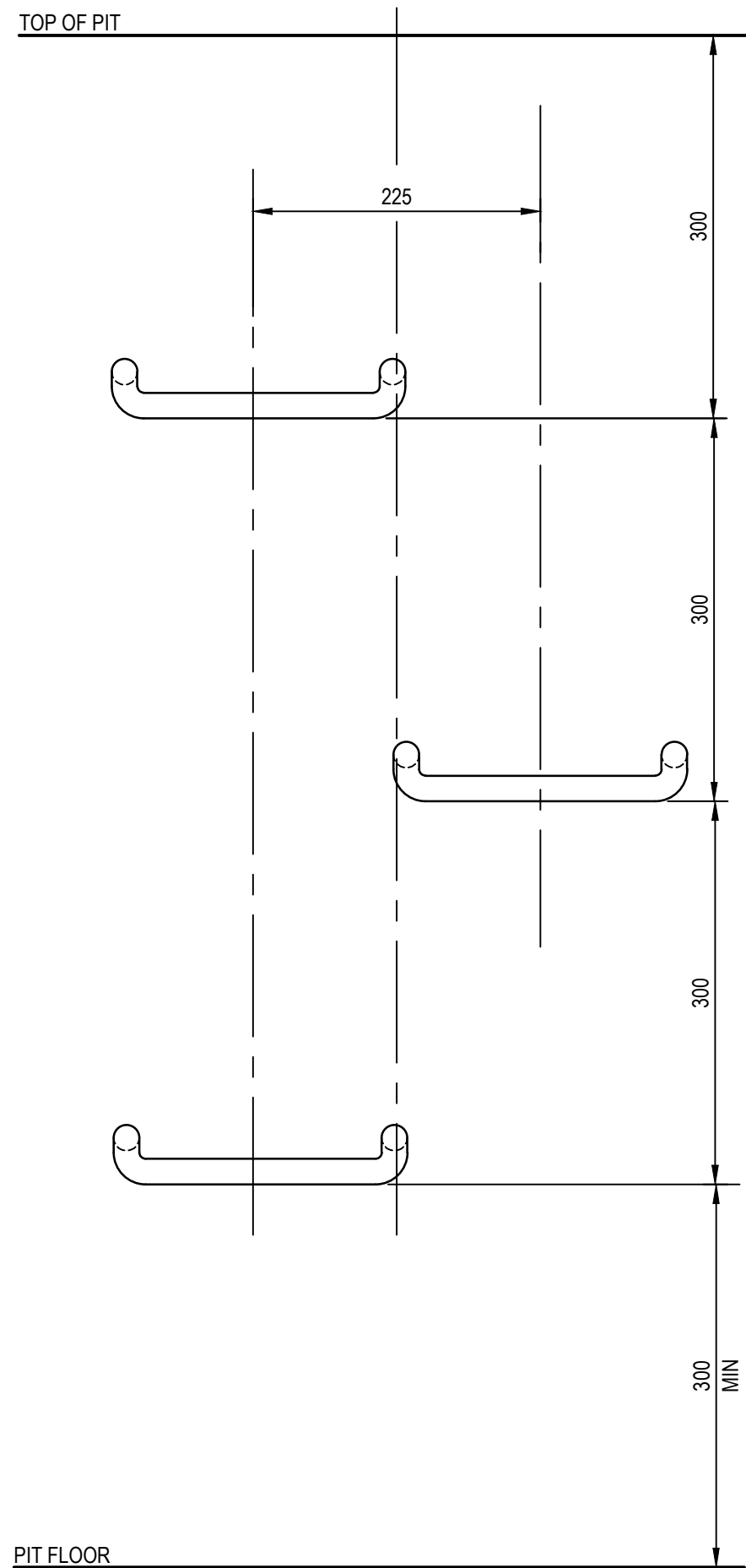
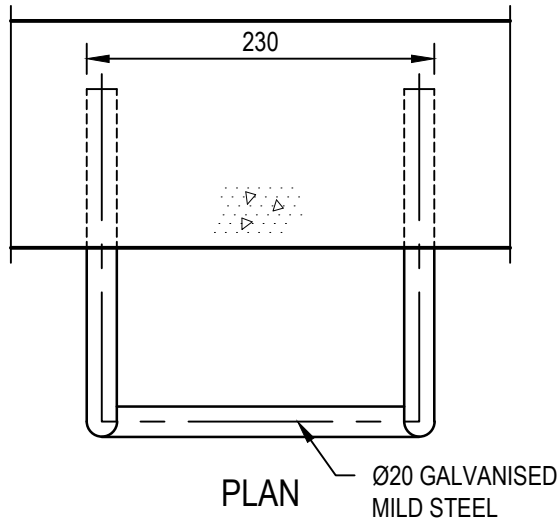
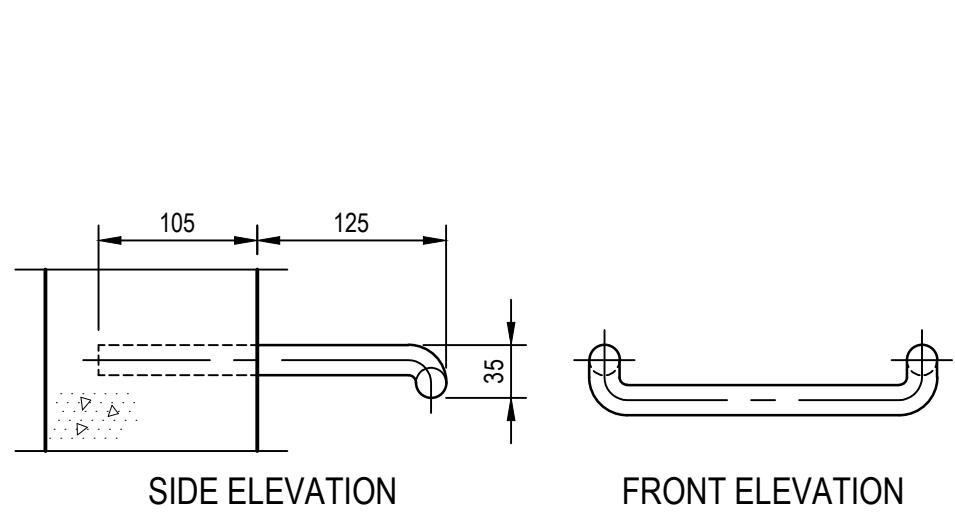
Project Number/Drawing Number

8

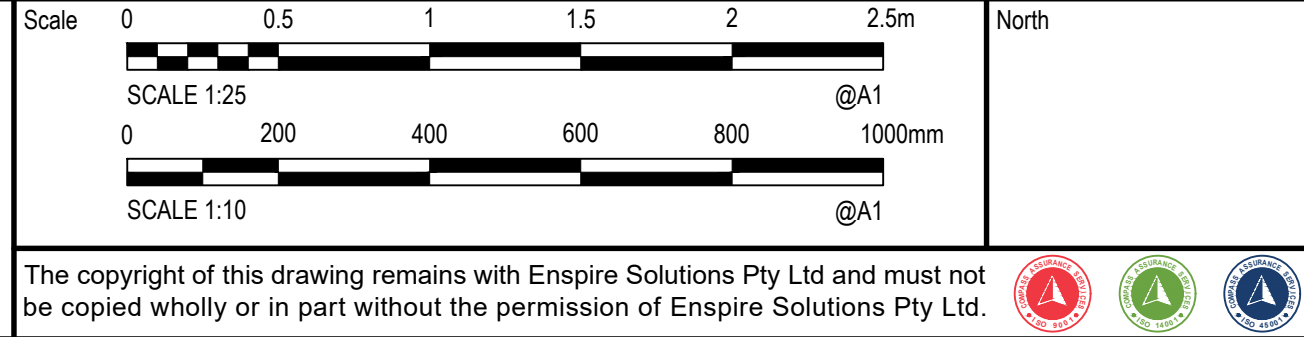
TABLE 1 - REINFORCEMENT AND WALL THICKNESS							
DEPTH "D" SEE TABLE 1 (m)	WIDTH/LENGTH (m)	TW (mm)	WALL REINFORCEMENT	TS (mm)	TOP SLAB REINFORCEMENT	TB (mm)	BASE REINFORCEMENT
1.5 - 3.0	2 / 2	200	2 LAYERS N12 - 200 EACH FACE	200	2 LAYERS N12 - 200 EACH FACE	200	2 LAYERS N12 - 200 EACH FACE
1.5 - 3.0	3 / 3	200	2 LAYERS N16 - 200 EACH FACE	250	2 LAYERS N16 - 200 EACH FACE	250	2 LAYERS N16 - 200 EACH FACE
3.0 - 4.5	2 / 2	250	2 LAYERS N12 - 200 EACH FACE	200	2 LAYERS N12 - 200 EACH FACE	200	2 LAYERS N12 - 200 EACH FACE
4.5 - 6.0	2 / 2	250	2 LAYERS N16 - 200 EACH FACE	200	2 LAYERS N16 - 200 EACH FACE	200	2 LAYERS N16 - 200 EACH FACE

NOTES:

1. CONCRETE COMPRESSIVE STRENGTH @ 28 DAYS $f_c' = 40\text{MPa}$
2. YIELD STRENGTH OF STEEL $f_y = 500\text{MPa}$
3. ASSUMED SOIL BEARING CAPACITY = 150 kPa (MAX 3m DEPTH), 200kPa (MAX 6m DEPTH)
4. ALL CONCRETE COVER = 55mm
5. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER ABOUT ACTUAL SOIL CONDITION ON SITE.
6. PITS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF SYDNEY STANDARD DETAILS.
7. STEP IRONS WHERE THE PIT EXCEEDS 1200 IN DEPTH AS PER CITY OF SYDNEY STANDARD DETAILS.
8. PITS WHICH WILL HAVE PIPES GREATER THAN 525mm, 2N16 TRIMMER BARS ARE REQUIRED AROUND THE EDGES OF THE PIPE.
9. CONTACT ENGINEER IF PIT IS WITHIN WATER TABLE.
10. WHERE EXISTING PITS ARE BEING CONVERTED TO BLIND PITS, BENCHING SHALL BE PROVIDED AS PER CITY OF SYDNEY STANDARD DRAWINGS.

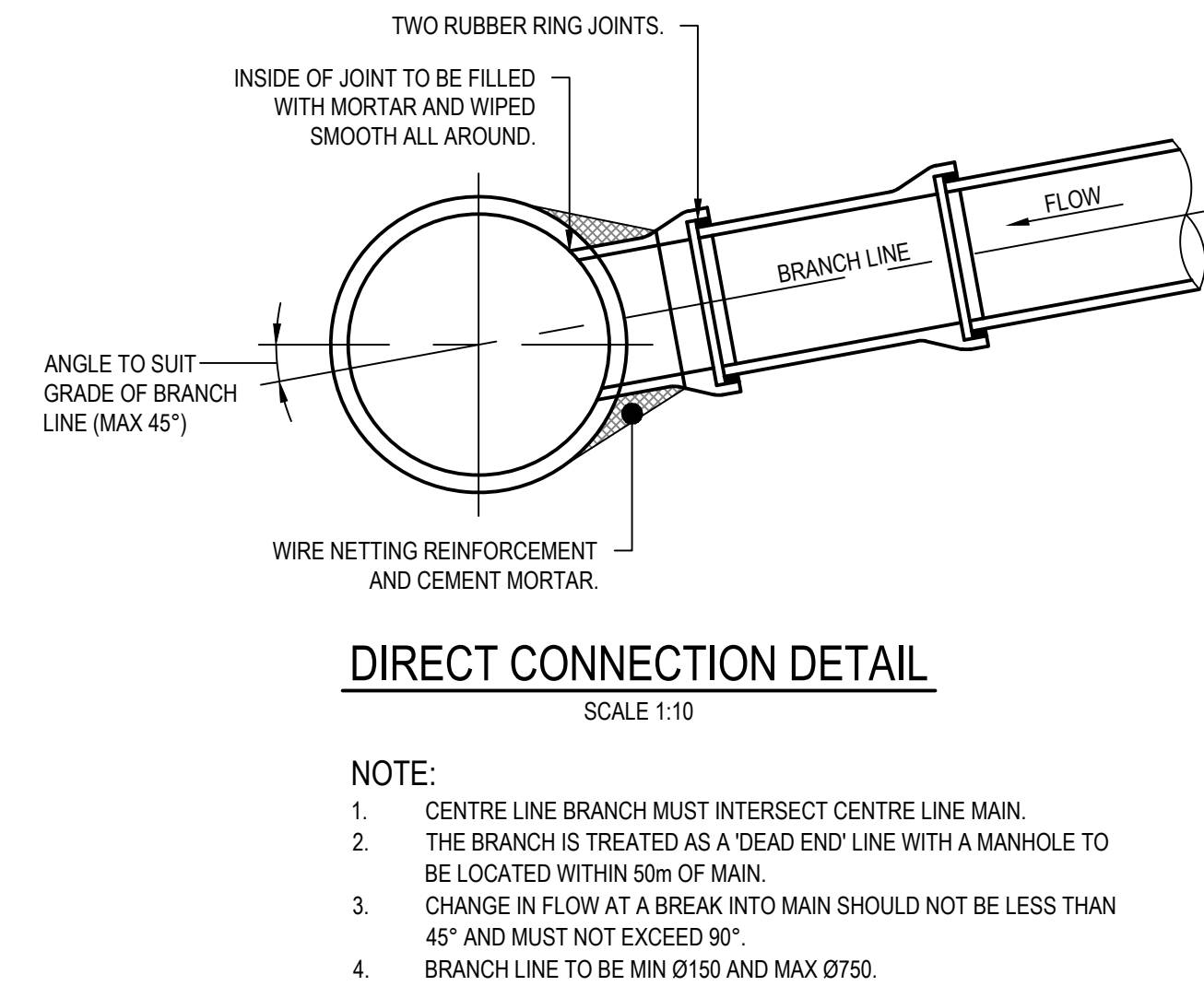
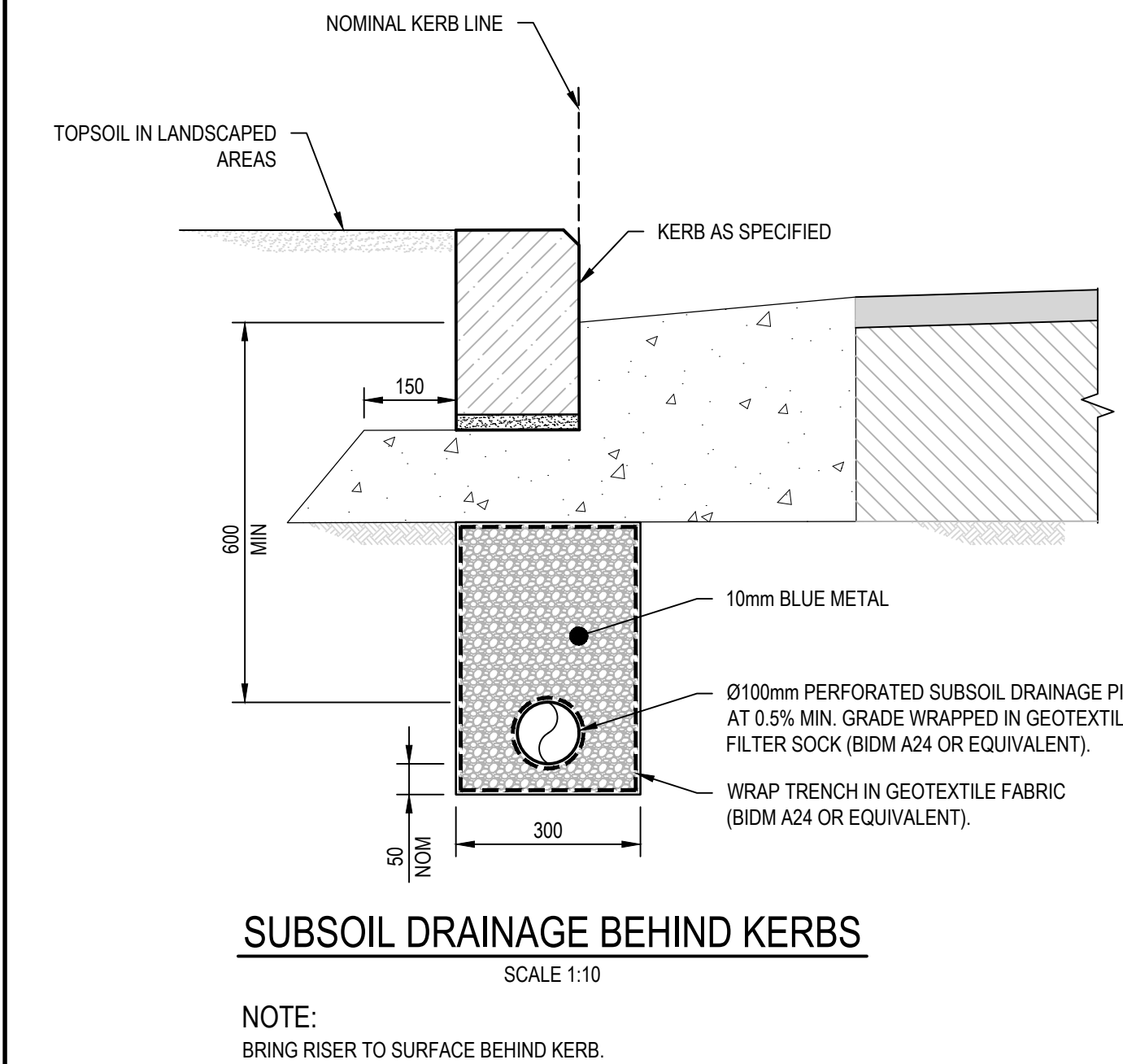
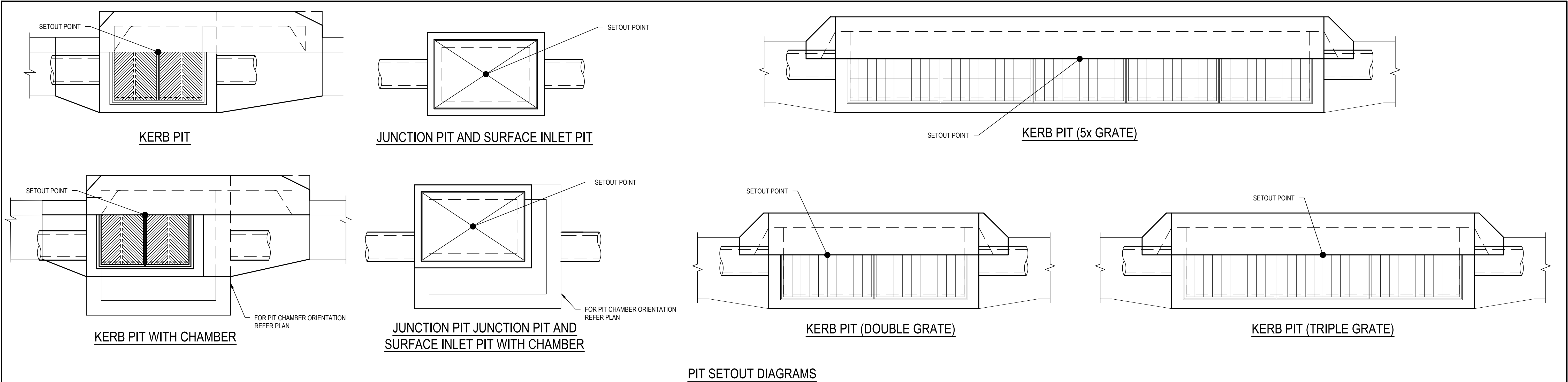


REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL	MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ	MTL	MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD	MTL	MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD	MTL	MTL

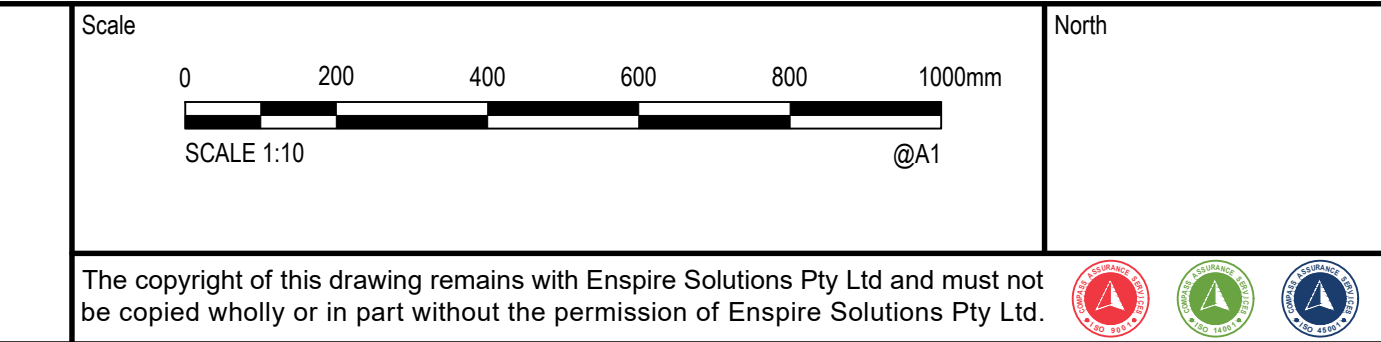


Project	HICKSON ROAD UPGRADE - STAGE 3
Civil Engineering Works	
Title	STORMWATER DETAILS
Sheet	SHEET 01

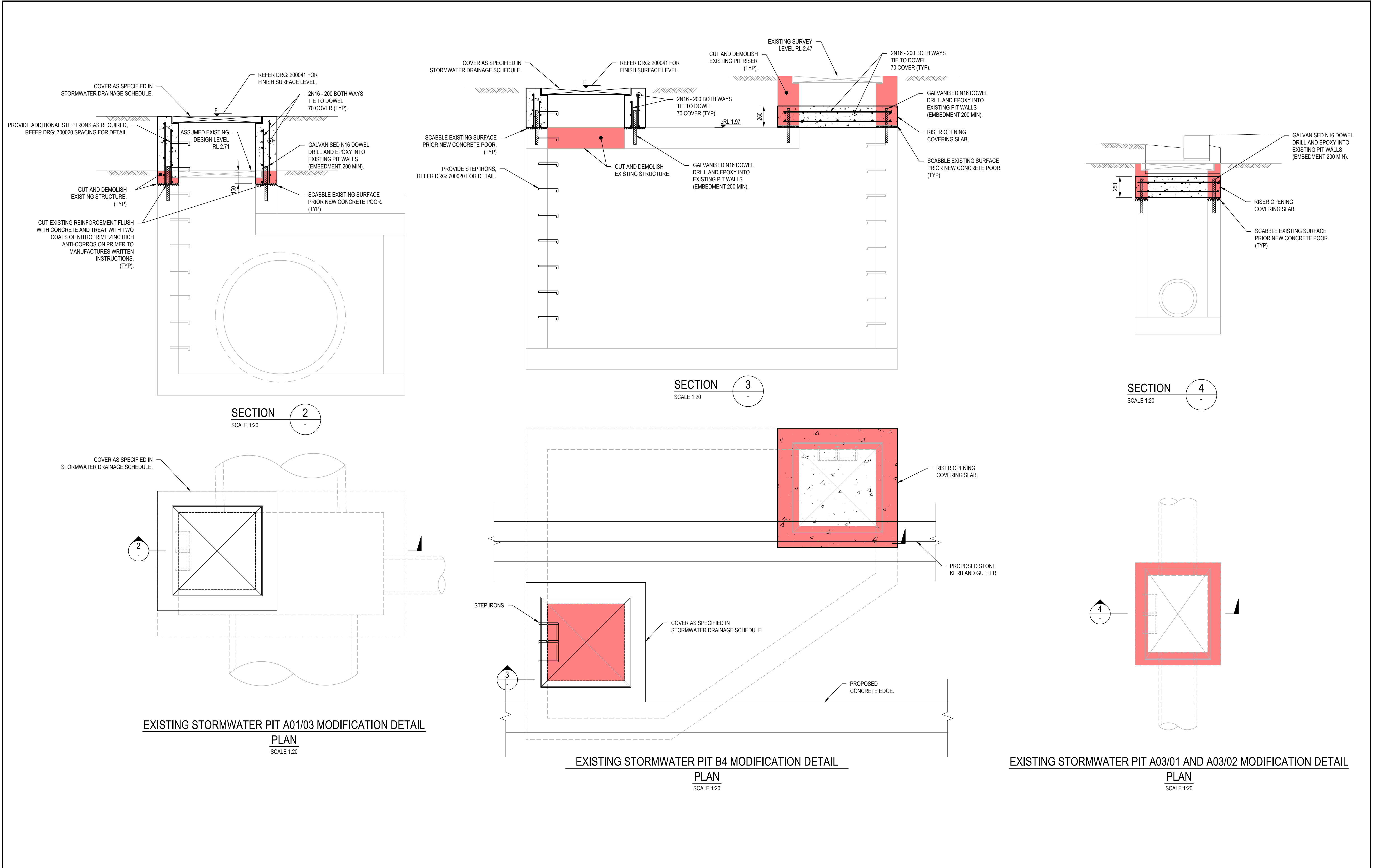
Scale	AS SHOWN	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	10/20/2023	Project Number/Drawing Number	B1D-CD2-700020
Size	A1	Revision	7
Datum	MGA 2020		

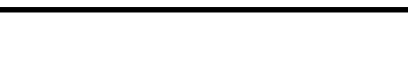
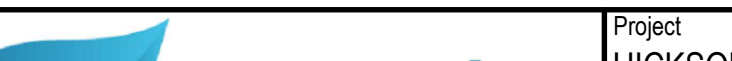
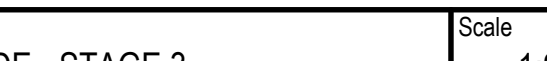


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7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL



Project	HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS	Scale	1:10	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Title	STORMWATER DETAILS	Date	10/20/2023	Project Number/Drawing Number	B1D-CD2-700021
		Size	A1	Revision	7
		Datum	MGA 2020		



							Client						North				Project HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS		Scale 1:20		Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION					
																	Date 3/22/2024									
6 10/11/2025 ISSUED FOR 80% IFT / REF							SW	EZ	MKH	MTL									Title		Size		Project Number/Drawing Number		Revision	
5 7/10/2025 ISSUED FOR CLIENT REVIEW							EZ	EZ		MTL									STORMWATER DETAILS		A1		B1D-CD2-700022		6	
4 27/08/2025 ISSUED FOR COORDINATION							EZ	EZ		MTL																
3 4/04/2024 ISSUED FOR 80% IFT / REF							MDH	MTL	RL	MKH																
2 22/03/2024 ISSUED FOR PRELIMINARY COSTING							MDH	MTL	MKH	MTL																
1 6/03/2024 ISSUED FOR INFORMATION							MDH	MTL																		
REV.		DATE		DESCRIPTION			DRN.	DES.	VERIF.	APPD.									Datum MGA 2020							

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ABN: 71 624 801 690

Phone: 02 9922 6135

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Project

HICKSON ROAD UPGRADE - STAGE 3

CIVIL ENGINEERING WORKS

Title

STORMWATER DETAILS

SHEET 03

Scale

1:20

Status

FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number

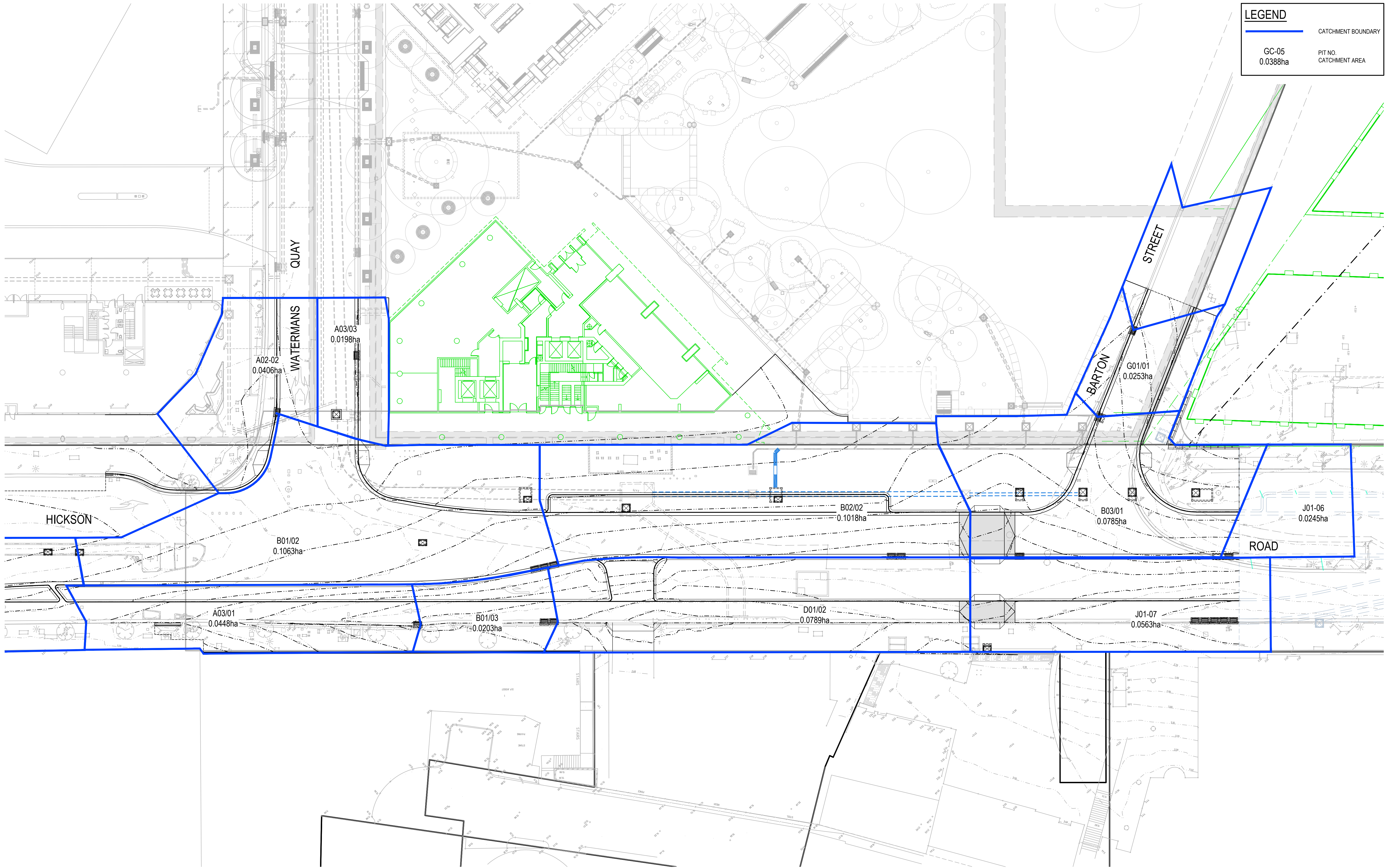
B1D-CD2-700022

Revision

6

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DATE PLOTTED: 11 November 2025 7:52 PM BY: STUART WOOD



LEGEND

GC-05
0.0388ha

CATCHMENT AREA

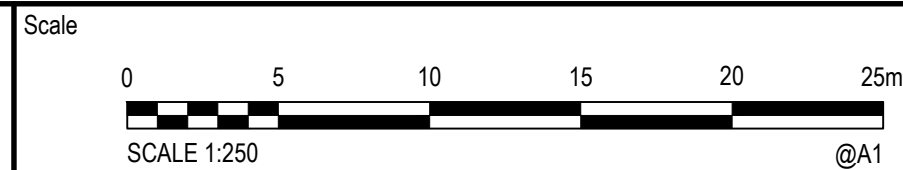
PIT NO.
CATCHMENT AREA

7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	6/03/2024	60% RE-ISSUED FOR COORDINATION	MDH	MTL		MTL
1	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.

Client

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North

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

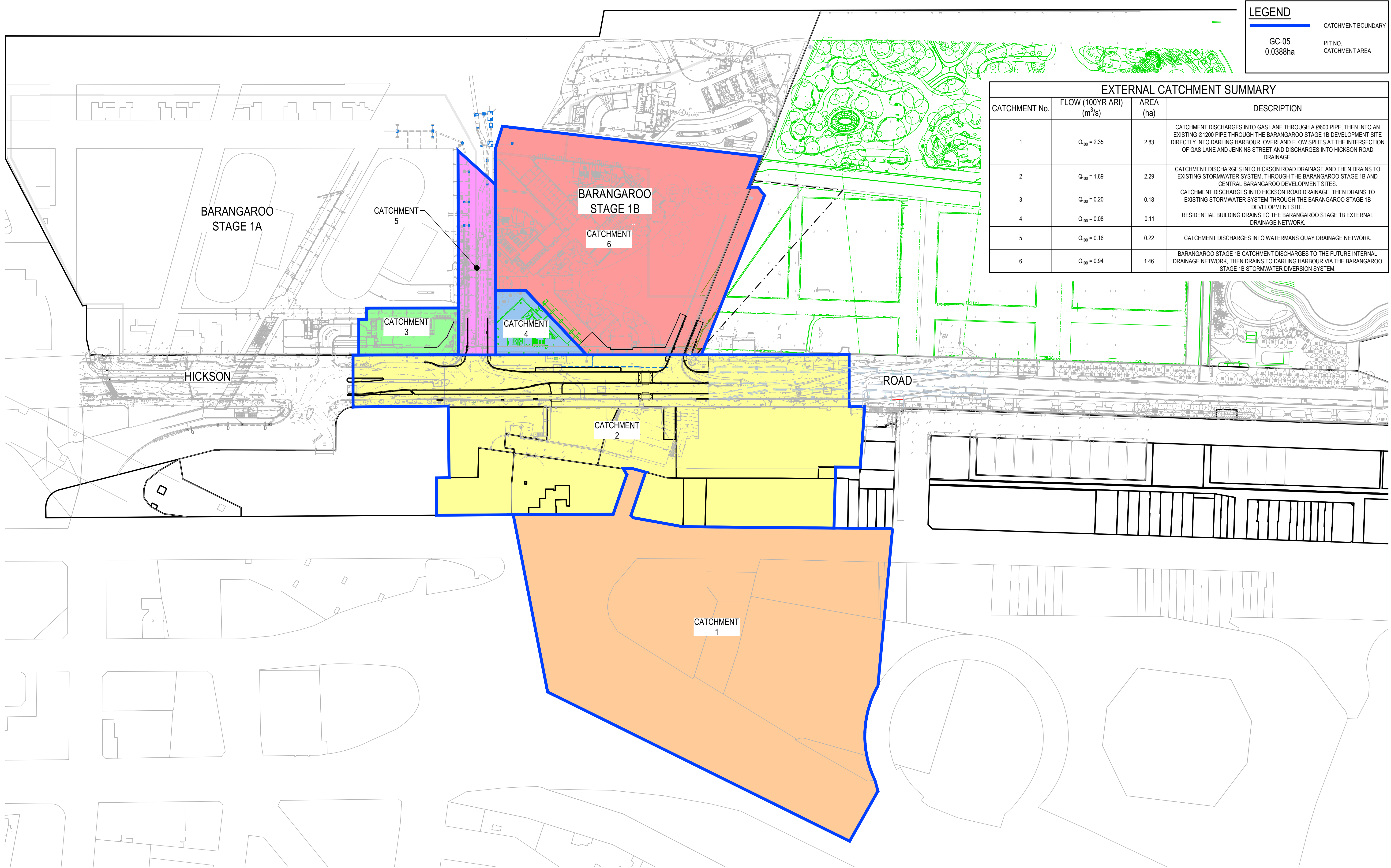
Title
INTERNAL STORMWATER CATCHMENT PLAN

Scale
1:250
Date
3/22/2024
Size
A1
Datum
MGA 2020

Status
FOR INFORMATION ONLY
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Project Number/Drawing Number
B1D-CD2-700030

Revision
7



LEGEND

GC-05
0.0388ha

PIT NO.
CATCHMENT AREA

EXTERNAL CATCHMENT SUMMARY			
CATCHMENT No.	FLOW (100YR ARI) (m³/s)	AREA (ha)	DESCRIPTION
1	Q ₁₀₀ = 2.35	2.83	CATCHMENT DISCHARGES INTO GAS LANE THROUGH A Ø600 PIPE, THEN INTO AN EXISTING Ø1200 PIPE THROUGH THE BARANGAROO STAGE 1B DEVELOPMENT SITE DIRECTLY INTO DARLING HARBOUR. OVERLAND FLOW SPLITS AT THE INTERSECTION OF GAS LANE AND JENKINS STREET AND DISCHARGES INTO HICKSON ROAD DRAINAGE.
2	Q ₁₀₀ = 1.69	2.29	CATCHMENT DISCHARGES INTO HICKSON ROAD DRAINAGE AND THEN DRAINS TO EXISTING STORMWATER SYSTEM, THROUGH THE BARANGAROO STAGE 1B AND CENTRAL BARANGAROO DEVELOPMENT SITES.
3	Q ₁₀₀ = 0.20	0.18	CATCHMENT DISCHARGES INTO HICKSON ROAD DRAINAGE, THEN DRAINS TO EXISTING STORMWATER SYSTEM THROUGH THE BARANGAROO STAGE 1B DEVELOPMENT SITE.
4	Q ₁₀₀ = 0.08	0.11	RESIDENTIAL BUILDING DRAINS TO THE BARANGAROO STAGE 1B EXTERNAL DRAINAGE NETWORK.
5	Q ₁₀₀ = 0.16	0.22	CATCHMENT DISCHARGES INTO WATERMANS QUAY DRAINAGE NETWORK.
6	Q ₁₀₀ = 0.94	1.46	BARANGAROO STAGE 1B CATCHMENT DISCHARGES TO THE FUTURE INTERNAL DRAINAGE NETWORK, THEN DRAINS TO DARLING HARBOUR VIA THE BARANGAROO STAGE 1B STORMWATER DIVERSION SYSTEM.

REV.	DATE	DESCRIPTION	SW	EZ	MKH	MTL
7	10/11/2025	ISSUED FOR 80% IFT / REF				
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	6/03/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		

Client

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New South Wales

Scale

0 20 40 60 80 100m

SCALE 1:1000 @A1

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Project

HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title

EXTERNAL STORMWATER CATCHMENT PLAN

Scale

1:1000

Date

3/22/2024

Size

A1

Datum

MGA 2020

Status

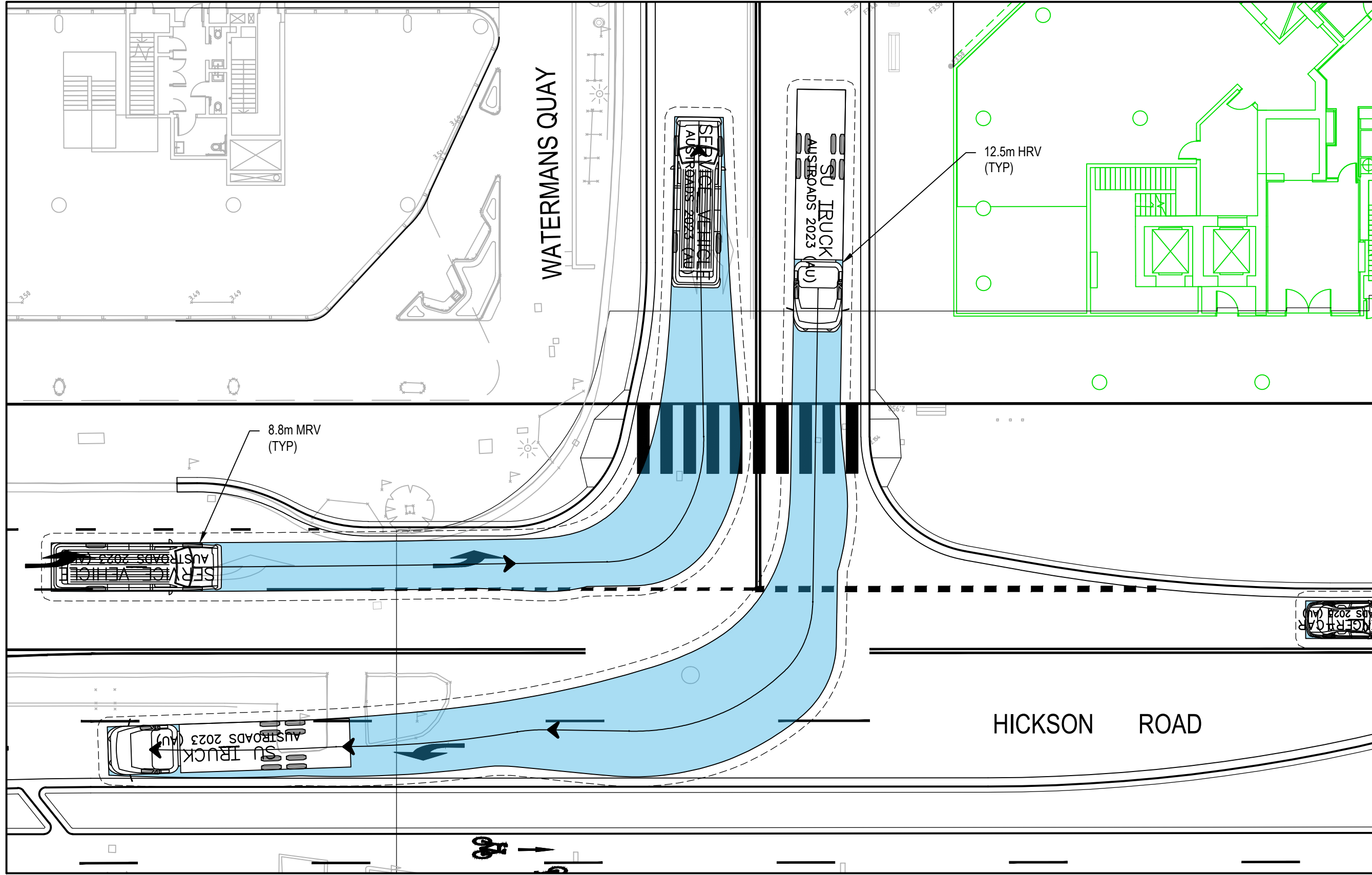
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Project Number/Drawing Number

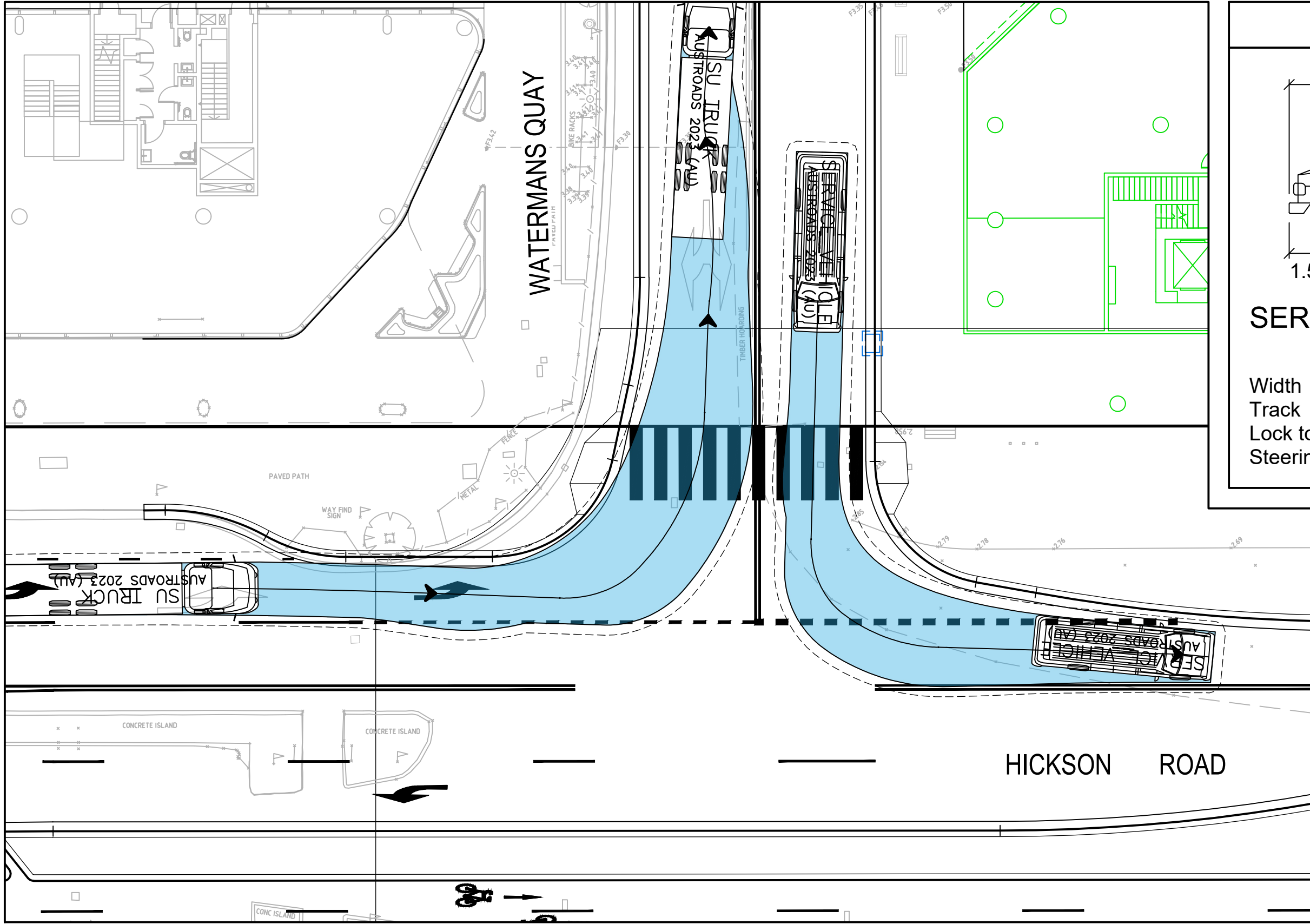
B1D-CD2-700040

Revision

7



HICKSON ROAD AND WATERMANS QUAY
SCALE 1:200



HICKSON ROAD AND WATERMANS QUAY
SCALE 1:200

VEHICLE PROFILE

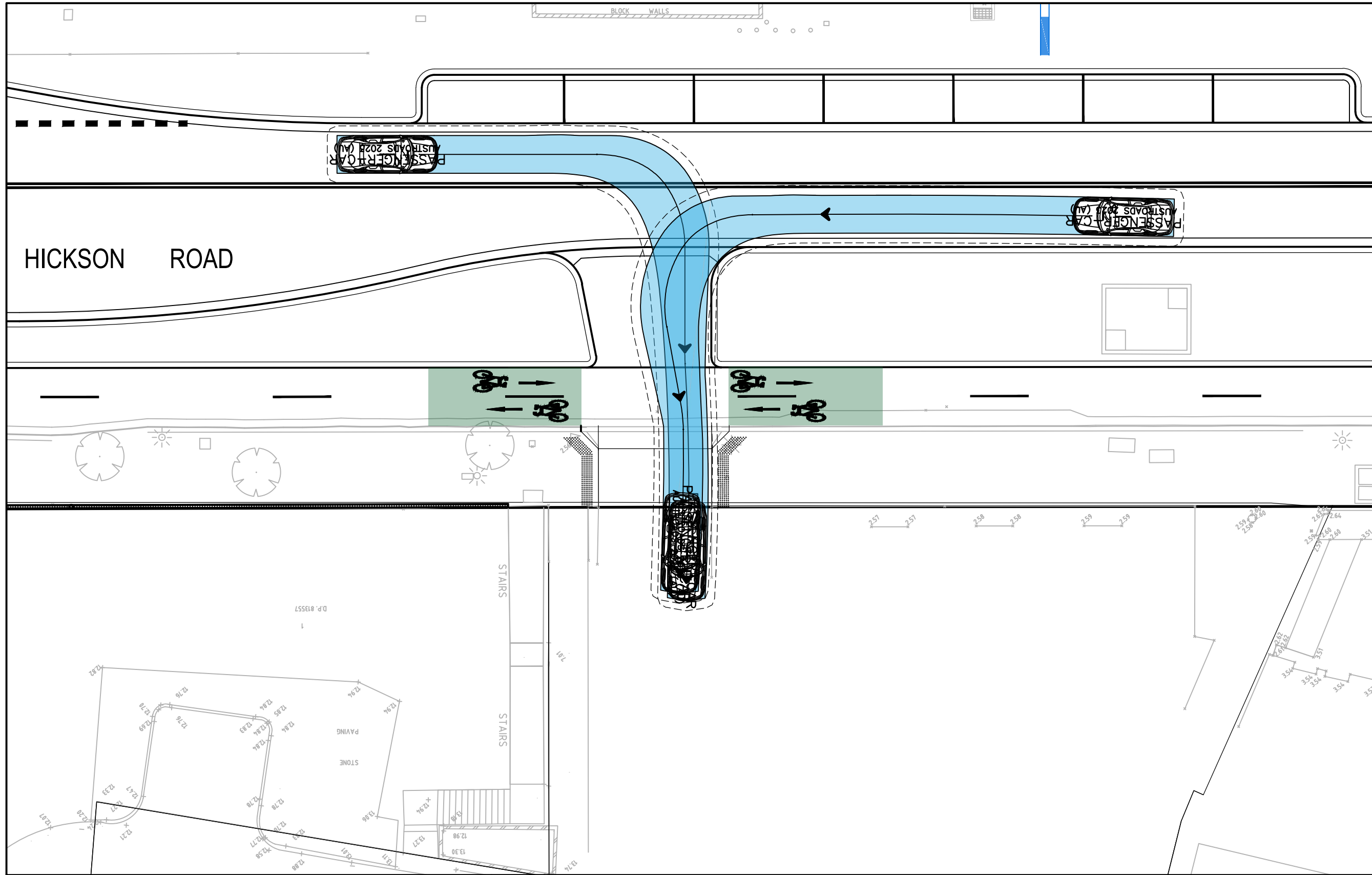
SERVICE VEHICLE

Width	: 2.50	meters
Track	: 2.50	
Lock to Lock Time	: 6.0	
Steering Angle	: 38.7	

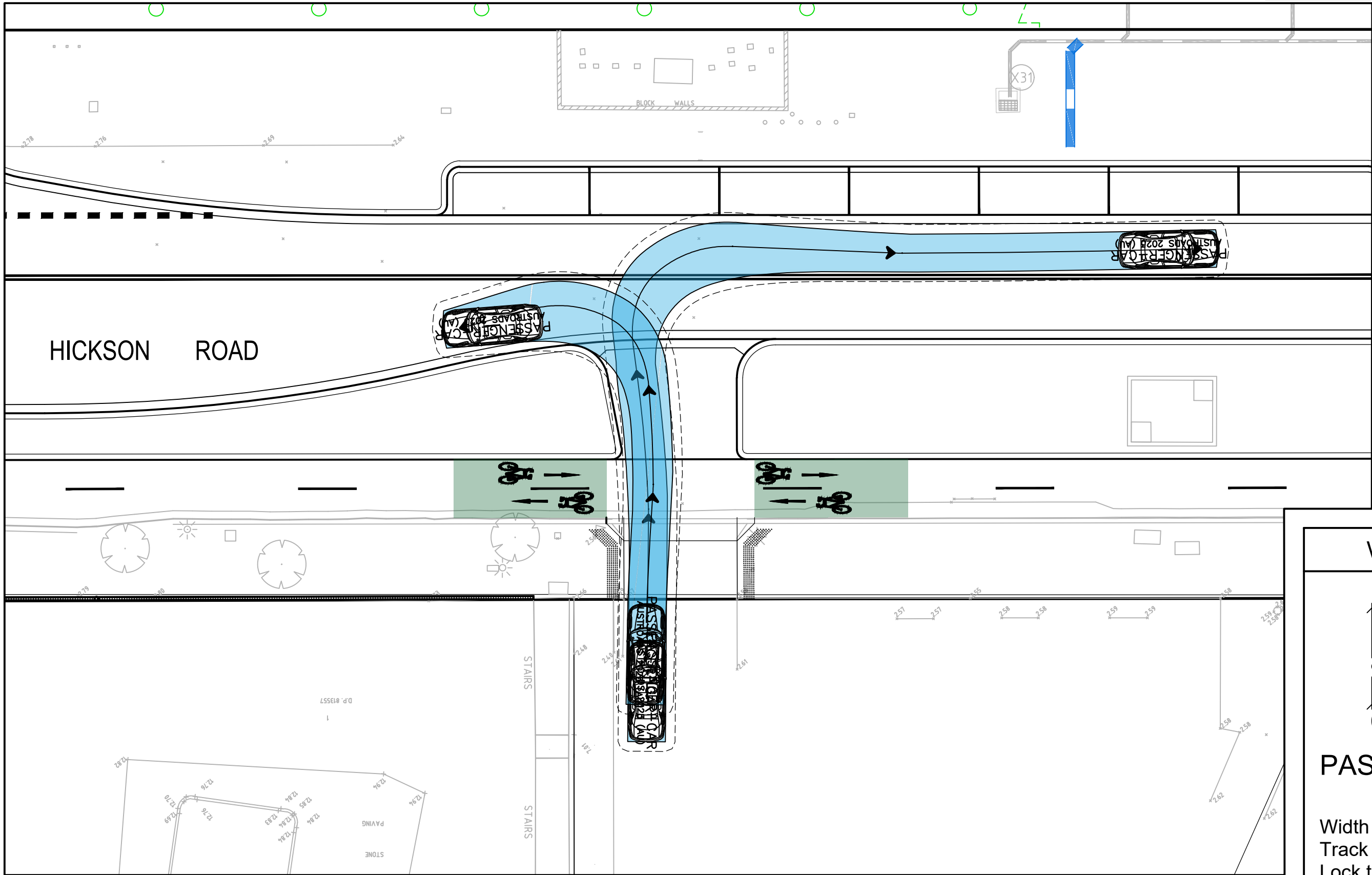
VEHICLE PROFILE

SU TRUCK

Width	: 2.50	meters
Track	: 2.50	
Lock to Lock Time	: 6.0	
Steering Angle	: 36.6	



BOND PLAZA DRIVEWAY ACCESS (IN)
SCALE 1:200



BOND PLAZA DRIVEWAY ACCESS (OUT)
SCALE 1:200

VEHICLE PROFILE

PASSENGER-CAR

Width	: 1.94	meters
Track	: 1.84	
Lock to Lock Time	: 6.0	
Steering Angle	: 33.6	

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ	MTL	MTL
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3	22/03/2024	ISSUED FOR PRELIMINARY COSTING	MDH	MTL	MKH	MTL
2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD	MTL	MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD	MTL	MTL

Client

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New South Wales

Scale

0 5 10 15 20m
SCALE 1:200 @A1

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Project
HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title
TURN PATH PLAN

SHEET 01

Scale
1:200

Date
10/20/2023

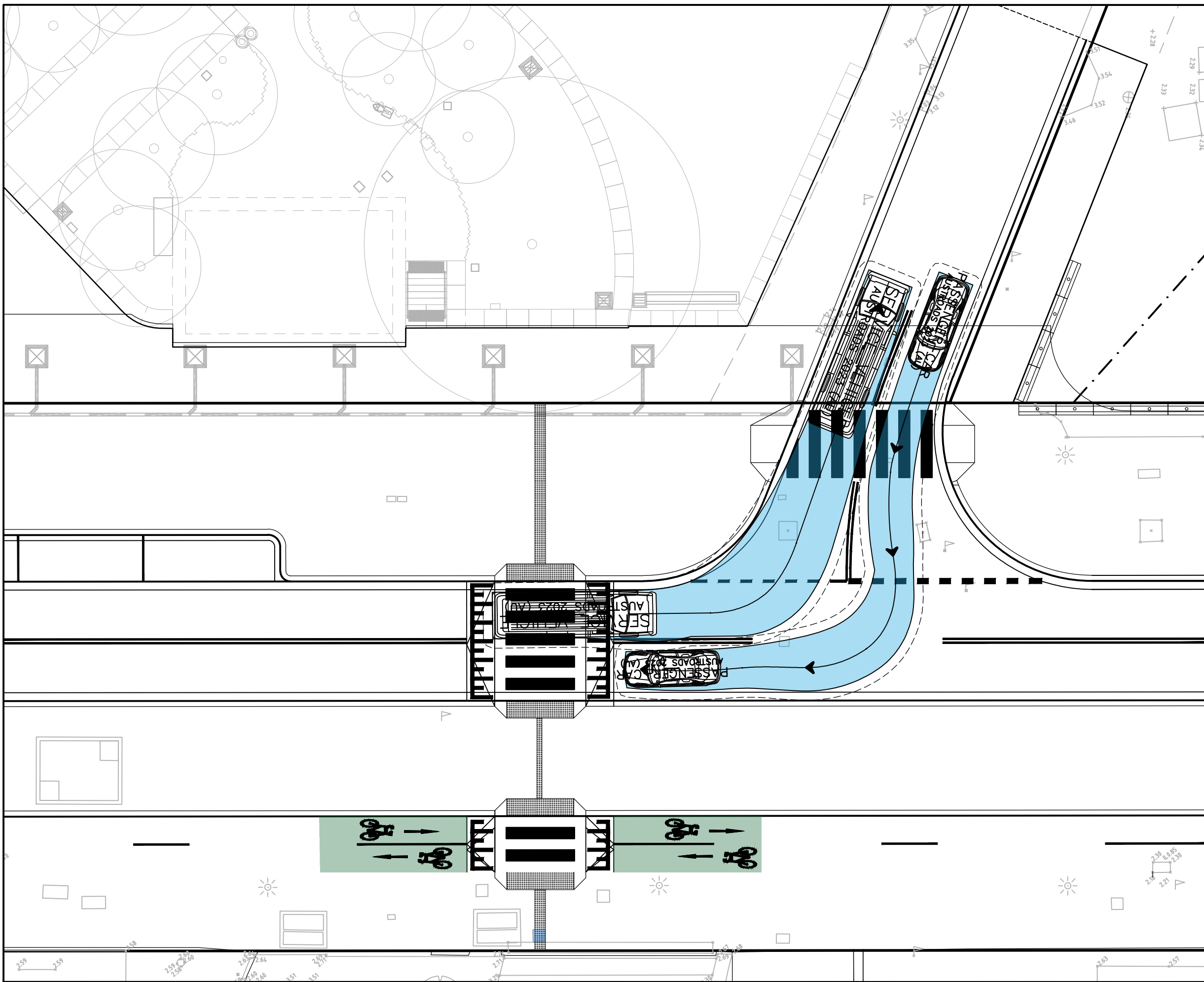
Size
A1

Datum
MGA 2020

Status
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Project Number/Drawing Number
B1D-CD2-700050

Revision
7



HICKSON ROAD AND BARTON STREET
SCALE 1:200

VEHICLE PROFILE

PASSENGER-CAR

Width	5.20	meters
Track	0.95	
Lock to Lock Time	3.05	
Steering Angle	33.6	

VEHICLE PROFILE

SERVICE VEHICLE

Width	8.80	meters
Track	1.50	
Lock to Lock Time	5.00	
Steering Angle	38.7	

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
7	10/11/2025	ISSUED FOR 80% IFT / REF	SW	EZ	MKH	MTL
6	7/10/2025	ISSUED FOR CLIENT REVIEW	EZ	EZ		MTL
5	27/08/2025	ISSUED FOR COORDINATION	EZ	EZ		MTL
4	4/04/2024	ISSUED FOR 80% IFT / REF	MDH	MTL	RL	MKH
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2	23/01/2024	60% RE-ISSUED FOR COORDINATION	MDH	HD		MTL
1	20/10/2023	60% ISSUED FOR COORDINATION	CB	HD		MTL

Client

Scale

SCALE 1:200 @A1

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Project

HICKSON ROAD UPGRADE - STAGE 3
CIVIL ENGINEERING WORKS

Title

TURN PATH PLAN

SHEET 02

Scale	1:200	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	10/20/2023	Project Number/Drawing Number	B1D-CD2-700051
Size	A1	Revision	7
Datum	MGA 2020		

INTRODUCTION

THIS SAFETY IN DESIGN REPORT HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE WORK HEALTH AND SAFETY REGULATION 2017 AND THE WORK HEALTH AND SAFETY REGULATION PART 6.2 CLAUSE 295. UNDER THE WORK HEALTH AND SAFETY REGULATION DESIGNERS HAVE THE RESPONSIBILITY TO ENSURE THEIR DESIGN ELIMINATES OR MINIMISES RISKS TO HEALTH AND SAFETY AND GIVE ADEQUATE INFORMATION TO PEOPLE COMMISSIONING THE DESIGN AND UNDERTAKING CONSTRUCTION, OPERATION AND MAINTENANCE ACTIVITIES BASED ON THE DESIGN.

THE INFORMATION CONTAINED IN THIS SAFETY IN DESIGN REPORT HAS BEEN PREPARED PRIOR TO THE COMMENCEMENT OF THE WORK ON SITE. IT DOES NOT TAKE ACCOUNT OF ANY MATTERS OR INFORMATION WHICH MAY COME TO LIGHT AFTER THAT TIME. WHEN A DESIGN IS ALTERED, AN ADDITIONAL REVIEW MUST BE CONDUCTED TO ENSURE NEW RISKS HAVE BEEN CAPTURED DUE TO MODIFICATION OF THE DESIGN. ADDITIONALLY, CLIENTS ARE REQUIRED TO INFORM ENSPIRE OF ANY EXISTING RISKS AND HAZARDS IN THE AREA WHERE CONSTRUCTION WILL TAKE PLACE.

THE RISKS IDENTIFIED IN THIS SAFETY IN DESIGN REPORT ARE PROJECT AND DESIGN SPECIFIC RISKS WHICH WOULD NOT BE EASILY RECOGNIZED BY A REASONABLY COMPETENT STAKEHOLDER. IT DOES NOT ADDRESS THE COMMON-PLACE HAZARDS OF HAZARDS WHERE KNOWN SOLUTIONS APPLY, AND WHICH ARE ASSOCIATED WITH CONSTRUCTION, OPERATION AND MAINTENANCE AND DEMOLITION GENERALLY. THESE COMMON-PLACE HAZARDS MUST BE CONTROLLED BY THE APPLICATION OF NORMAL GOOD MANAGEMENT PRACTICES.

THIS DESIGN REPORT ASSUMES THAT DURING CONSTRUCTION, OPERATION AND MAINTENANCE OF THE DEVELOPMENT, THE PRINCIPAL WILL ENGAGE EXPERIENCED AND COMPETENT PERSONNEL AS PART OF THE RESPECTIVE TENDER EVALUATION PROCESS. IT IS THE HEAD CONTRACTOR'S OBLIGATION TO PREPARE AND IMPLEMENT SITE SPECIFIC WORK HEALTH AND SAFETY MANAGEMENT PLANS TO MITIGATE COMMON RISKS ASSOCIATED WITH GENERAL CONSTRUCTION AND OPERATION ACTIVITIES IN ACCORDANCE WITH THE WORK HEALTH AND SAFETY REGULATION 2017.

PROPOSED WORKS

THE SCOPE OF THE MAIN ACTIVITIES INVOLVED IN THESE WORKS ARE:

- DETAILED DESIGN OF ROADS, STORMWATER INFRASTRUCTURE AND SERVICES;
- CONSTRUCTION OF ROADS, STORMWATER INFRASTRUCTURE AND SERVICES;
- SITE VISITS AND INSPECTIONS;
- POST CONSTRUCTION OPERATION AND MAINTENANCE.
- FUTURE DEMOLITION

INFORMATION TRANSFER

SAFETY IN DESIGN RELIES ON EFFECTIVE DOCUMENTATION AND COMMUNICATION BETWEEN EVERYONE INVOLVED IN THE LIFE CYCLE OF THE DESIGN ELEMENTS. IN ACCORDANCE WITH THE WORK HEALTH AND SAFETY REGULATION 2017, THE DESIGNER MUST PROVIDE A COPY OF THIS SAFETY IN DESIGN REPORT TO THE PRINCIPAL CONTRACTOR IN PARALLEL WITH THE COMPLETED DESIGN DOCUMENTATION AND ENSURE THAT THE FOLLOWING ACTIONS ARE UNDERTAKEN:

- ONSITE SAFETY INDUCTIONS, INCLUDING HAZARDS IDENTIFIED IN THIS REPORT, SHOULD BE CONDUCTED FOR ALL STAFF;
- SAFETY MANAGEMENT PLANS SHOULD BE PREPARED FOR THE HAZARDS IDENTIFIED IN THIS REPORT;
- THERE SHOULD BE NO VARIATION ON DESIGN REQUIREMENTS WITHOUT CONSULTATION WITH THE ORIGINAL DESIGNERS;
- ONSITE MANAGEMENT OF CONTRACTORS TO ENSURE THAT HAZARDS THAT ARISE THROUGH STARTING/COMPLETION OF JOBS DOES NOT OCCUR; AND
- THIS DESIGN MAY INTERFACE WITH OTHER PLANS AND ACCOUNT SHOULD BE TAKEN OF ANY INTERFACE ISSUES.

IT IS RECOMMENDED THAT THIS SAFETY IN DESIGN REPORT BE PASSED ONTO ANY PARTICIPANT IN THE PROJECT WHO MAY EXTEND THE DESIGN OR FURTHER DEVELOP THE DESIGN.

SAFE DESIGN PROCESS

A SAFE DESIGN PROCESS SHOULD BE ENGAGED EARLY IN THE DEVELOPMENT OF THE DESIGN TO IDENTIFY ALL CONCEIVABLE RISKS AND HAZARDS THAT MAY AFFECT THE FUNDAMENTALS OF THE DESIGN AND AVOID UNNECESSARY REWORK. IT SHOULD BE IMPLEMENTED THROUGH A STRUCTURED APPROACH ACROSS EACH PHASE OF THE DESIGN PROCESS.

DELIVERY OF SAFE DESIGN FOR EACH DESIGN PHASE OF THE PROJECT HAS BEEN CARRIED OUT FOLLOWING THE STEPS BELOW:

- STEP 1: PRELIMINARY RISK IDENTIFICATION
THE DESIGNER/DESIGN TEAM TO CONDUCT A PRELIMINARY ASSESSMENT AND IDENTIFY ANY POTENTIAL RISKS RELEVANT TO THE SCOPE OF DESIGN WORKS. WITH PROJECTS INVOLVING MULTIPLE DISCIPLINES, THE DESIGNER/DESIGN TEAM TO ATTEND SAFETY IN DESIGN WORKSHOP (IF APPROPRIATE) AND IDENTIFY RISKS IN CONSULTATION WITH OTHER KEY PROJECT STAKEHOLDERS.
- STEP 2: RISK ASSESSMENT AND MITIGATION
THE DESIGNER/DESIGN TEAM TO ASSESS THE LIKELIHOOD AND SEVERITY OF EACH HAZARD AND DEVELOP CONTROLS AND MEASURES TO ELIMINATE OR MINIMISE THE CONSEQUENCES OF THE HAZARD.
- STEP 3: VERIFICATION
ENSURE TO PERFORM INTERNAL VERIFICATION ON THE SAFE DESIGN RISK REGISTER PRIOR TO ISSUING TO THE CONTRACTOR AND CLIENT.
- STEP 4: REVIEW DESIGN
THE DESIGNER/DESIGN TEAM TO IDENTIFY ANY ALTERATIONS IN DESIGN AND REVIEW AND UPDATE RISK REGISTER ACCORDINGLY.

ORGANISATION	PROJECT ROLE	MAIN CONTACT	CONTACT DETAILS
--------------	--------------	--------------	-----------------

LEND LEASE CONSTRUCTION	DEVELOPMENT PROPONENT	MARK REYES	TEL: 0400264382 EMAIL: Mark.Reyes@lendlease.com
ENSPIRE SOLUTIONS	CIVIL DESIGN CONSULTANT	MICHAEL HODGES	TEL: 9922 6135 EMAIL: michael.hodges@enspiresolutions.com.au ADD: Level 7, 54 Miller Street, North Sydney NSW 2060
TBA	PRINCIPAL CONTRACTOR	TBA	TBA
TBA	ASSET OPERATOR / MAINTENANCE	TBA	TBA
[OTHER] TBA	DEMOLITION CONTRACTOR	TBA	TBA

LEVEL	MEASURE	CRITERIA
1	RARE	WOULD ONLY OCCUR IN HIGHLY EXCEPTIONAL CIRCUMSTANCES THAT ARE UNLIKELY TO EXIST IN ANY PHASE OF THE DEVELOPMENT'S LIFECYCLE PERIOD. EXTREMELY REMOTE CHANCE OF OCCURRENCE IN DEVELOPMENT'S LIFECYCLE PERIOD. "ONCE IN A LIFETIME" EVENT.
2	UNLIKELY	NOT LIKELY TO OCCUR IN THE DEVELOPMENT'S LIFECYCLE PERIOD. A SMALL, BUT REMOTE CHANCE OF OCCURRENCE DUE TO CIRCUMSTANCES / SITUATIONS THAT COULD ARISE.
3	POSSIBLE	LIKELY TO OCCUR AT LEAST ONCE BUT NOT EXPECTED TO OCCUR MUCH MORE THAT THIS IN THE DEVELOPMENT'S LIFECYCLE PERIOD.
4	LIKELY	LIKELY TO OCCUR MORE THAN ONCE IN THE DEVELOPMENT'S LIFECYCLE PERIOD BUT NOT AN 'EVERYDAY' OCCURRENCE. PRECONDITIONS WILL ARISE AT TIMES THROUGHOUT THE PERIOD.
5	ALMOST CERTAIN	WILL OCCUR CIRCUMSTANCES OR SITUATIONS ARE LIKELY TO ARISE OFTEN THROUGHOUT THE DEVELOPMENT'S LIFECYCLE PERIOD WHICH PROVIDES THE OPPORTUNITY FOR CRYSTALLISATION OF RISK. EXPECT FREQUENT, REGULAR OCCURRENCES.

LEVEL	MEASURE	CRITERIA
1	INSIGNIFICANT	NO INJURIES; NO ENVIRONMENTAL IMPACT.
2	MINOR	FIRST AID; ENVIRONMENTAL RELEASE IMMEDIATELY CONTAINED.
3	MODERATE	MEDICAL TREATMENT; ENVIRONMENTAL RELEASE NOT IMMEDIATELY CONTAINED WITH NO DETRIMENTAL EFFECTS.
4	MAJOR	LOST TIME AND/OR LONG-TERM INJURY/ILLNESS; ENVIRONMENTAL RELEASE NOT IMMEDIATELY CONTAINED WITH TOXIC EFFECTS.
5	CATASTROPHIC	FATALITY; RELEASE TO THE ENVIRONMENT WITH LONG TERM OR PERMANENT TOXIC EFFECTS.

CONSEQUENCE	CATASTROPHIC	(5)	HIGH	VERY HIGH	VERY HIGH	VERY HIGH	
	MAJOR	(4)	HIGH	HIGH	VERY HIGH	VERY HIGH	
	MODERATE	(3)	MODERATE	MODERATE	HIGH	HIGH	
	MINOR	(2)	LOW	LOW	MODERATE	HIGH	
	INSIGNIFICANT	(1)	LOW	LOW	LOW	MODERATE	
			RARE (1)	UNLIKELY (2)	POSSIBLE (3)	LIKELY (4)	ALMOST CERTAINLY (5)
		LIKELIHOOD					

ITEM	ACTIVITY	HAZARD	STAGE	INITIAL RISK			DESIGN ACTION	RESIDUAL RISK			PERSON RESPONSIBLE FOR CONTROLS	STATUS
				LIKELIHOOD	CONSEQUENCE	RISK LEVEL		LIKELIHOOD	CONSEQUENCE	RISK LEVEL		
1	TREE REMOVAL	FALL FROM HEIGHT CRUSH INJURY FROM FALLING TREE	CONSTRUCTION	2	5	VERY HIGH	- LIMIT NUMBER OF TREES TO BE REMOVED. - CERTIFIED ARBORIST USING BEST PRACTICES RESPONSIBLE FOR TREE REMOVAL.	2	3	MODERATE	CONTRACTOR	OPEN
2	SERVICES TRENCHING	FALL INTO DEEP EXCAVATIONS AND CONFLICT WITH EXISTING SERVICES	CONSTRUCTION	1	4	HIGH	- MINIMISE PIPE TRENCH DEPTH - UNDERTAKE BEFORE YOU DIG SERVICES SEARCH AND NOTIFY AUTHORITY TO ENSURE SPOTTERS NOT REQUIRED	1	2	LOW	CONTRACTOR	OPEN
3	STORMWATER DRAINAGE TRENCHING	FALL INTO DEEP EXCAVATIONS AND CONFLICT WITH EXISTING SERVICES. INFLOW OF TIDAL WATER	CONSTRUCTION	4	3	HIGH	- UNDERTAKE BEFORE YOU DIG SERVICES SEARCH - ALLOW FOR DEWATERING AND UNDERTAKE TRENCH EXCAVATIONS IN SMALL LENGTHS TO MINIMISE RISK OF TIDAL INFLOWS	1	2	LOW	CONTRACTOR	OPEN
4	WORKS ON A LIVE ROAD	CONFLICT WITH VEHICLES AND CONSTRUCTION WORKERS	CONSTRUCTION	4	5	VERY HIGH	-PREPARE CONSTRUCTION AND PEDESTRIAN MANAGEMENT PLAN AND IMPLEMENT ADEQUATE TEMPORARY BARRIERS AND WARNING SIGNAGE -PROVIDE TRAFFIC MANAGEMENT TO CONTROL MOVEMENTS OF CONSTRUCTION VEHICLES AND THROUGH TRAFFIC MOVEMENTS	1	5	HIGH	CONTRACTOR	OPEN
5	WORKS ON LIVE ROAD	CONFLICT WITH PEDESTRIANS AND CONSTRUCTION VEHICLES	CONSTRUCTION	4	5	VERY HIGH	-PREPARE CONSTRUCTION AND PEDESTRIAN MANAGEMENT PLAN AND IMPLEMENT ADEQUATE TEMPORARY BARRIERS AND WARNING SIGNAGE -PROVIDE TRAFFIC MANAGEMENT TO CONTROL MOVEMENTS OF CONSTRUCTION VEHICLES AND PEDESTRIAN MOVEMENTS	1	5	HIGH	CONTRACTOR	OPEN
6	INSTALLATION OF STORMWATER DRAINAGE PIPES	FALL INTO DEEP EXCAVATIONS AND CONFLICT WITH EXISTING SERVICES. INFLOW OF TIDAL WATER	CONSTRUCTION	4	3	HIGH	- MONITOR WEATHER THROUGH BUREAU OF METEOROLOGY -MONITOR WEATHER WARNINGS THROUGH SES - ALLOW FOR DEWATERING AND UNDERTAKE TRENCH EXCAVATIONS IN SMALL LENGTHS TO MINIMISE RISK OF TIDAL INFLOWS	1	3	MODERATE	CONTRACTOR	OPEN
7	FLASH FLOODING DURING CONSTRUCTION ACTIVITY	EXCAVATIONS FILLING WITH SURFACE WATER, LOSE OF STOCKPILED MATERIAL	CONSTRUCTION	3	4	VERY HIGH	- MONITOR WEATHER THROUGH BUREAU OF METEOROLOGY -MONITOR WEATHER WARNINGS THROUGH SES	1	3	HIGH	CONTRACTOR	OPEN
8	GEOTECHNICAL	POOR / UNSUITABLE GROUND CONDITIONS	CONSTRUCTION	3	3	HIGH	-UNDERTAKE GEOTECHNICAL TESTING TO CONFIRM GROUND CONDITIONS	1	1	LOW	CONTRACTOR / DEVELOPER	OPEN
9	NIGHT WORKS	POOR VISIBILITY TO CONSTRUCTION WORKERS, THROUGH TRAFFIC AND PEDESTRIANS	CONSTRUCTION	3	4	VERY HIGH	-PREPARE CONSTRUCTION AND PEDESTRIAN MANAGEMENT PLAN AND IMPLEMENT ADEQUATE TEMPORARY BARRIERS AND WARNING SIGNAGE -PROVIDE TRAFFIC MANAGEMENT TO CONTROL MOVEMENTS OF CONSTRUCTION VEHICLES AND PEDESTRIAN MOVEMENTS -PROVIDE ADEQUATE TEMPORARY LIGHTING	1	3	HIGH	CONTRACTOR	OPEN
10	PEDESTRIAN AND VEHICULAR CONFLICT	PEDESTRIAN CROSSING ROAD AT OTHER THAN PROVIDED LOCATIONS	OPERATIONAL PHASE	4	5	VERY HIGH	-PROVIDE ALLOCATED CROSSING POINTS	1	5	HIGH	DESIGN	CLOSED
11	VEHICULAR CONFLICT AT "T" INTERSECTIONS	MOTORISTS NOT GIVING WAY	OPERATIONAL PHASE	4	3	HIGH	-PROVIDE LINE MARKING AND SIGNAGE AT INTERSECTION CLEARLY DEFINING LANES AND INTERSECTION PRIORITY	2	3	MODERATE	DESIGN	CLOSED
12	ACCESS TO EXISTING DRIVEWAYS	THROUGH TRAFFIC BLOCKING DRIVEWAY TO 38 HICKSON ROAD	OPERATIONAL PHASE	5	1	HIGH	-PROVIDE LINEMARKING TO INFORM MOTORISTS TO KEEP INTERSECTION CLEAR	3	1	LOW	DESIGN	CLOSED

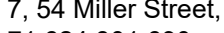
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REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.

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Project
HICKSON ROAD UPGRADE - STAGE 3 CIVIL ENGINEERING WORKS
Title
SAFETY IN DESIGN

Scale	N.T.S
Date	3/22/2024
Size	A1
Datum	MGA 2020

Status

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Project Number/Drawing Number
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Revision
7