



WATHAURONG ABORIGINAL CO-OPERATIVE

MORGAN STREET REDEVELOPMENT

CIVIL

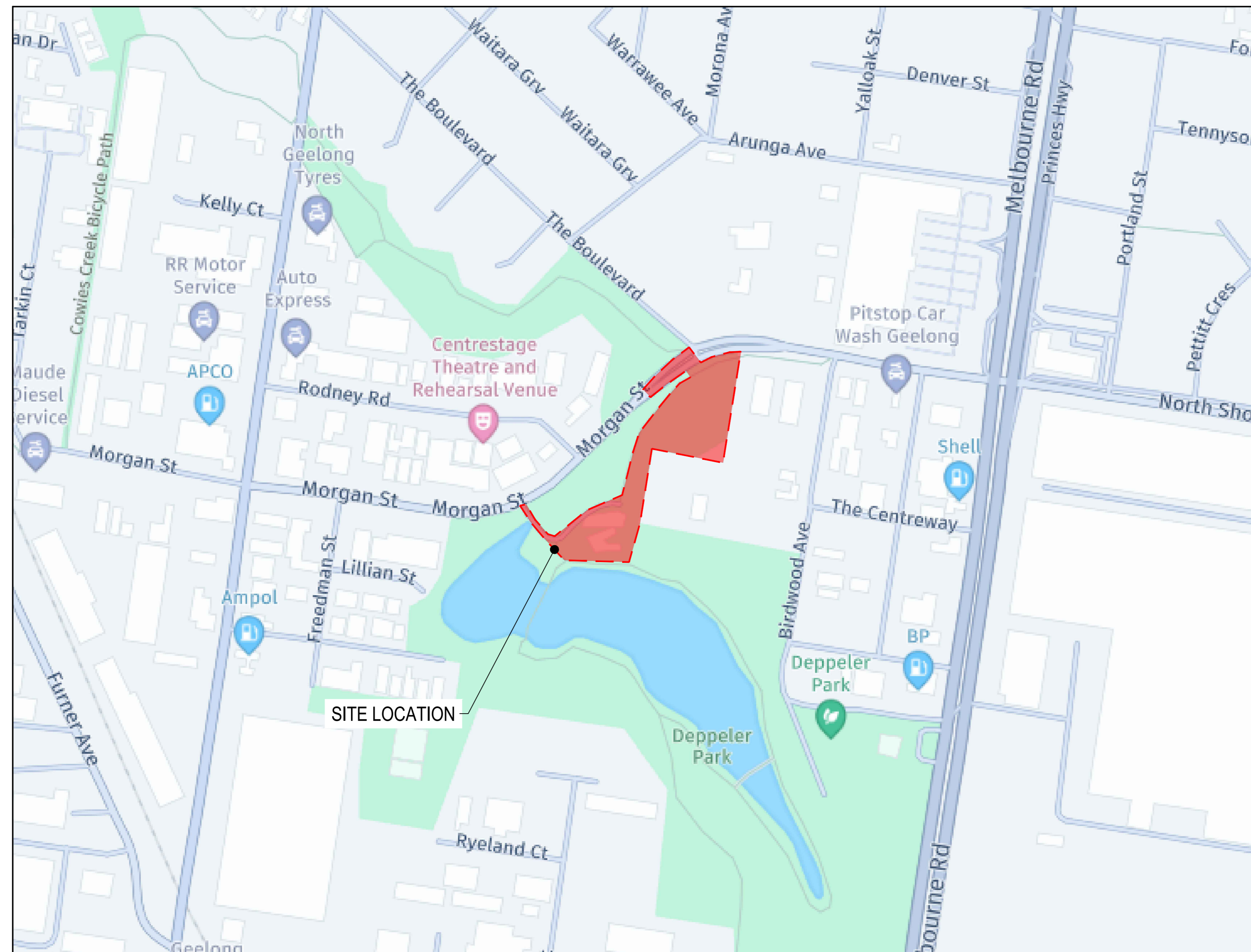
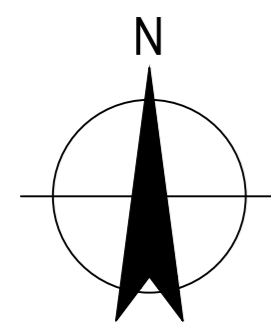
12613952



Recent revision history

#	Status	Description	Date
01	ISSUED FOR TENDER		12.12.24

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 Contractor must verify all dimensions on site before commencing work or preparing shop drawings.
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LOCALITY PLAN
 NOT TO SCALE
 NEARMAP - IMAGERY (DATE EXTRACTED: 12.02.2024)

DRAWING INDEX

DRG No:	DRAWING TITLE
12613952-GHD-00-00-DRG-CI-00001	COVER PAGE, LOCALITY PLAN AND DRAWING INDEX
12613952-GHD-00-00-DRG-CI-00002	GENERAL NOTES AND MASTER LEGEND
12613952-GHD-00-00-DRG-CI-00010	EXISTING CONDITIONS PLAN
12613952-GHD-00-00-DRG-CI-00011	BULK EARTHWORKS PLAN
12613952-GHD-00-00-DRG-CI-00012	DEMOLITION PLAN
12613952-GHD-00-00-DRG-CI-00015	CONTROL LINE LAYOUT PLAN
12613952-GHD-00-00-DRG-CI-00100	OVERALL SITE LAYOUT PLAN
12613952-GHD-00-00-DRG-CI-00101	SITE LAYOUT PLAN - SHEET 1 OF 2
12613952-GHD-00-00-DRG-CI-00102	SITE LAYOUT PLAN - SHEET 2 OF 2
12613952-GHD-00-00-DRG-CI-00103	INTERSECTION LAYOUT PLAN
12613952-GHD-00-00-DRG-CI-00110	CIVIL CROSS SECTIONS
12613952-GHD-00-00-DRG-CI-00120	ROAD LONGITUDINAL SECTIONS
12613952-GHD-00-00-DRG-CI-00200	EXISTING DRAINAGE CONDITIONS
12613952-GHD-00-00-DRG-CI-00201	PROPOSED DRAINAGE LAYOUT PLAN - SHEET 1 OF 2
12613952-GHD-00-00-DRG-CI-00202	PROPOSED DRAINAGE LAYOUT PLAN - SHEET 2 OF 2
12613952-GHD-00-00-DRG-CI-00203	DRAINAGE CATCHMENT PLAN EXISTING CONDITIONS
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12613952-GHD-00-00-DRG-CI-00212	DRAINAGE LONGITUDINAL SECTION - SHEET 3 OF 3
12613952-GHD-00-00-DRG-CI-00213	DRAINAGE PIT SCHEDULE
12613952-GHD-00-00-DRG-CI-00300	TYPICAL CIVIL DETAILS - SHEET 1 OF 4
12613952-GHD-00-00-DRG-CI-00301	TYPICAL CIVIL DETAILS - SHEET 2 OF 4
12613952-GHD-00-00-DRG-CI-00302	TYPICAL CIVIL DETAILS - SHEET 3 OF 4
12613952-GHD-00-00-DRG-CI-00303	TYPICAL CIVIL DETAILS - SHEET 4 OF 4
12613952-GHD-00-00-DRG-CI-00400	GRADING, LEVELS AND SETOUT PLAN - SHEET 1 OF 2
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12613952-GHD-00-00-DRG-CI-00403	SETOUT TABLES
12613952-GHD-00-00-DRG-CI-00410	SIGNS AND LINEMARKING PLAN
12613952-GHD-00-00-DRG-CI-00500	SWEPT PATHS INTERSECTION - SHEET 1 OF 5
12613952-GHD-00-00-DRG-CI-00501	SWEPT PATHS LOADING AREA AND BUS BAY - SHEET 2 OF 5
12613952-GHD-00-00-DRG-CI-00502	SWEPT PATHS FIRE BOOSTER ACCESS - SHEET 3 OF 5
12613952-GHD-00-00-DRG-CI-00503	SWEPT PATHS TRIANGLE SITE AND UPPER LEVEL BUS BAY - SHEET 4 OF 5
12613952-GHD-00-00-DRG-CI-00504	SWEPT PATHS BASEMENT ACCESS - SHEET 5 OF 5

R THIS DRAWING INCLUDES
G COLOURED INFORMATION
B COPIES OF THIS DRAWING MUST BE
 PRODUCED IN COLOUR

Project
**MORGAN STREET
 REDEVELOPMENT**



Client
**WATHAURONG ABORIGINAL
 CO-OPERATIVE**



Project number
12613952

Size check
 25mm

Checked
 MH

Approved
 HB

Sheet size
 A0

Scale
 NTS

Sheet title
**COVER PAGE, LOCALITY PLAN
 AND DRAWING INDEX**

Sheet number
CI-00001

Revision
01

Status
TENDER

GENERAL

- G1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER SPECIFICATIONS AND DRAWINGS ISSUED BY GHD, WOODS BAGOT AND WATHAURONG ABORIGINAL...
G2. THE CONTRACTOR SHALL: (A) GIVE 48 HOURS WRITTEN NOTICE TO SUPERINTENDENT PRIOR TO START OF WORKS...
G3. WORKS TO BE CARRIED OUT IN ACCORDANCE WITH DESIGNATED STANDARDS, STANDARD DRAWINGS AND SPECIFICATIONS WHERE SPECIFIED...
G4. IN ACCORDANCE WITH THE LEGISLATION, THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF ALL WORKERS ON SITE AND THE SAFETY OF THE PEDESTRIANS TRANSVERSING ADJACENT TO THE SITE...
G5. ALL DIMENSIONS ARE METRES AND LEVEL SHOWN ARE TO AUSTRALIAN HEIGHT DATUM (AHD) UNLESS OTHERWISE STATED...
G6. ALL SURVEY AND SETOUT WORK IS TO BE PERFORMED BY A REGISTERED SURVEYOR...
G7. ALL DIMENSIONS RELEVANT TO SETTING OUT SHALL BE CONFIRMED AND VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION IS COMMENCED...
G8. THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE...
G9. THE CONTRACTOR IS TO MAKE PROVISION FOR THE SAFETY OF PEDESTRIAN AND VEHICLE TRAFFIC DURING THE WORKS TO THE SATISFACTION OF THE SUPERINTENDENT...
G10. THE CONTRACTOR SHALL TO THE SATISFACTION OF THE SUPERINTENDENT, PROVIDE & MAINTAIN ALL NECESSARY WARNING SIGNAGE, LIGHTING & BARRICADING TO COMPLY WITH THE REQUIREMENTS OF THE ROAD TRAFFIC REGULATIONS ACT...
G11. THE CONTRACTOR IS TO OBTAIN ROAD OPENING PERMITS FROM CITY OF MELBOURNE FOR WORKS WITHIN EXISTING ROAD RESERVATIONS...
G12. PRIOR TO ANY DEMOLITION OR CONSTRUCTION ON THE SITE THE CONTRACTOR SHALL OBTAIN PERMITS FROM THE RELEVANT AUTHORITIES...
G13. THE APPROVAL OF A SUBSTITUTION MAY BE SOUGHT FROM THE SUPERINTENDENT BUT IS NOT AN AUTHORISATION FOR A VARIATION...
G14. CONSTRUCTION METHODOLOGY IS THE RESPONSIBILITY OF THE CONTRACTOR...
G15. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL SURPLUS MATERIAL IN ACCORDANCE WITH WATHAURONG ABORIGINAL COOPERATIVE REQUIREMENTS...
G16. A TRAFFIC MANAGEMENT PLAN MUST BE FORWARDED TO THE SITE SUPERINTENDENT AND THE RELEVANT AUTHORITIES AS PART OF A ROAD OPENING PERMIT APPLICATION...
G17. ON COMPLETION OF WORKS, THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM THE SITE...
G18. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL...
G19. TREE PROTECTION ZONES (TPZ) AND STRUCTURAL ROOT ZONES (SRZ) ARE REFLECTED BASED ON THE TREE SURVEY & IMPACT ASSESSMENT...
G20. ALL CODES REFERRED TO ARE THOSE CURRENT (AS AMENDED) AT COMMENCEMENT OF CONTRACT...
G21. THESE DRAWINGS DO NOT DETAIL TEMPORARY WORKS UNLESS OTHERWISE STATED...
G22. WHERE NEW WORK ABUTS EXISTING, PROVIDE A SMOOTH TRANSITION FREE OF ABRUPT CHANGES.

EARTHWORKS

- E1. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION...
E2. BEFORE THE COMMENCEMENT OF WORKS ON TRENCHES IN EXCESS OF 1.5m DEEP, THE CONTRACTOR MUST COMPLY WITH THE CURRENT REGULATIONS...
E3. ALL AREAS SHOWN ON THE DRAWINGS TO BE CUT OR FILLED ARE TO BE STRIPPED OF TOPSOIL WHICH IS TO BE STOCKPILED IN AN APPROVED LOCATION...
E4. NO TOPSOIL TO BE REMOVED FROM THE SITE WITHOUT PRIOR DIRECTION FROM THE SUPERINTENDENT...
E5. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT...
E6. BATTER SLOPES ON LOT SHALL BE A MAXIMUM OF 1 IN 5 FOR FILL AND 1 IN 3 FOR CUT UNLESS OTHERWISE SHOWN...
E7. THE DISPOSAL SITE FOR SPOIL REMOVAL FROM SITE AND TRUCK ROUTE IS TO BE SUBMITTED TO AND APPROVED BY THE COUNCILS ENGINEER OR SUPERINTENDENT...
E8. ALL REASONABLE CARE SHALL BE TAKEN BY THE CONTRACTOR TO PRESERVE SURVEY PEGS AND ALL BENCHMARKS ARE TO BE CHECKED PRIOR TO THE COMMENCEMENT OF WORKS AND DISCREPANCIES ARE TO BE REPORTED TO THE SUPERINTENDENT IMMEDIATELY...
E9. GRADE EVENLY BETWEEN FINISHED SURFACE SPOT LEVELS...
E10. PRIOR TO THE PLACEMENT OF ANY PAVEMENTS, BUILDINGS OR DRAINS, THE EXPOSED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD COMPACTION...
E11. CONTRACTOR TO REFER TO AND ABIDE BY RECOMMENDATIONS IN A.S. JAMES PTY LTD GEOTECH AND ENVIRONMENTAL ASSESSMENT REPORTS...
E12. EARTHWORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, OR AS DIRECTED BY THE SUPERINTENDENT...
E13. THE CONTRACTOR SHALL UNDERTAKE ALL FILLING UNDER LEVEL 1 SUPERVISION OF A NATA REGISTERED GEOTECHNICAL ENGINEER...
E14. PRIOR TO THE COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL PROVIDE THE SUPERINTENDENT WITH THE FOLLOWING INFORMATION RELATING TO IMPORTED FILL MATERIAL...
(A) SOURCE OF QUARRY MATERIAL.
(B) OPTIMUM MOISTURE CONTENT AND MAXIMUM MODIFIED DRY DENSITY OF THE FINE CRUSHED ROCK (FCR) TO BE USED (FROM NATA APPROVED LABORATORY).
(C) IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, NEW TEST RESULTS SHALL BE PROVIDED AT THE CONTRACTOR'S COST, PRIOR TO COMMENCEMENT OF WORKS.
(D) CLEAN FILL CERTIFICATE
(E) EVIDENCE IT MEETS THE PROJECT SPECIFICATION

PAVEMENT CONSTRUCTION :

- PV1. ALL MATERIAL SUPPLY AND CONSTRUCTION IS TO BE UNDERTAKEN IN ACCORDANCE WITH VICROADS STANDARD SECTIONS.
PV2. CONCRETE PAVEMENT JOINT DETAILING IS BASED UPON IDM STANDARDS FOR JOINTED-REINFORCED CONCRETE, STANDARD DRAWINGS SD 220 AND SD 225.
PV3. PREPARE PAVEMENT SUBGRADE AREAS IN ACCORDANCE WITH VICROADS STANDARD SECTION 204. REMOVE UNSUITABLE MATERIAL, REPLACE AND PROOF ROLL SUBGRADE IN ACCORDANCE WITH SECTION 204. IN ANY AREA WHERE INVESTIGATION INDICATES COODE ISLAND SILT LESS THAN 2m BELOW PAVEMENT, OR WHERE EXISTING CONSOLIDATED LAYERS OVER SILTS ARE DISTURBED, CONTACT PAVEMENT ENGINEER FOR ADDITIONAL SUBGRADE TREATMENT MEASURES.
PV4. WHERE INSITU SUBGRADE IS FOUND TO BE LESS THAN DESIGN VALUE, OR A STABLE WORKING PLATFORM IS UNABLE TO BE ACHIEVED CONTACT PAVEMENT ENGINEER FOR TREATMENT OPTIONS.
PV5. IT IS RECOMMENDED THAT SUBGRADE EXPOSURE AND PREPARATION IS UNDERTAKEN DURING DRY WEATHER, DUE TO DIFFICULTIES IN PREPARATION FOR CLAY SUBGRADE IN WET CONDITION.
PV6. FINAL DEBONDING SEAL IS TO BE DESIGNED BY THE CONTRACTOR. PRELIMINARY BINDER AND AGGREGATE APPLICATION RATES FOR DEBONDING SEAL MAY BE TAKEN AS 0.8 lm2 AND 250 m2/m3 RESPECTIVELY. TO BE CONFIRMED BY THE CONTRACTOR'S DESIGN IN ACCORDANCE WITH VICROADS SECTION 408. DESIGN SHOULD INCLUDE UP TO 2% CUTTER TO PROMOTE PENETRATION INTO THE SUBBASE.
PV7. PAVEMENT DRAINAGE SHALL BE INSTALLED IN ACCORDANCE WITH VICROAD STANDARDS, PAVEMENT DRAIN TYPE 2 (VICROADS SECTION 702).

ROADWORKS

- R1. ALL KERBS AND CHANNEL, KERB ONLY, EDGE STRIPS, AND CONCRETE INVERTS TO BE MINIMUM 25MPa CONCRETE. MINIMUM CEMENT CONTENT TO BE 280 KG/CUBIC METER. REFER TO CONSTRUCTION DETAILS FOR FURTHER INFORMATION. KERB SHAPES TO BE CONSTRUCTED IN ACCORDANCE WITH VICROADS STANDARD DRAWING SD2001 OR AS SPECIFIED.
R2. ROADS AND PAVEMENT LAYERS TO BE INSTALLED TO VICROADS STANDARDS. ALL BASE COURSE AND SUB-BASE COURSE MATERIALS SHALL CONFORM WITH CURRENT VICROADS STANDARDS AS SPECIFIED. ALL KERB SETOUT IS TO THE LIP OF KERB UNLESS OTHERWISE STATED.
R3. SUBGRADE IS TO BE COMPACTED TO 98% STANDARD COMPACTION AND PROOF ROLLED TO MEET THE REQUIREMENTS OF VICROADS STANDARD SPECIFICATION SECTION 173.
R4. ROAD PAVEMENT DEPTH/COMPOSITION MAY NOT BE ALTERED BELOW THE MINIMAL DEPTH/COMPOSITION OF THE STANDARD DRAWINGS.
R5. SUBGRADE SOFT SPOTS SHALL BE EXCAVATED UPON APPROVAL TO A PROOF ROLLED BASE AND BACKFILLED WITH APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO ACHIEVE 95% STANDARD COMPACTION IN ACCORDANCE WITH AS1289.
R6. TESTING OF PAVEMENT LAYERS TO BE IN ACCORDANCE WITH VICROADS SPECIFICATION 173.
R7. ASPHALT TO FINISH 0mm TO 5mm MAX ABOVE LIP OF KERB. FOR ALL OUTFALL TRAY KERBS, 1E SM3, ASPHALT TO FINISH FLUSH.

SIGNAGE & LINES

- N1. ALL SIGNS, LINEMARKING AND RRPMS TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 WITH REFERENCE TO VICROADS SUPPLEMENT, TRAFFIC ENGINEERING MANUAL VOLUME 2.
N2. ALL ROAD LINE MARKING, STENCILS, SYMBOLS ETC. TO BE IN ACCORDANCE WITH AS1742, WATER BASED PAINT TO BE USED.
N3. WHERE GALVANIZED POSTS ARE TO BE INSTALLED WITHIN A CONCRETE SURFACE AREA EG. TRAFFIC ISLAND, THE GALVANIZED POSTS ARE TO BE SUPPORTED IN A 675mm LONG GALVANIZED SLEEVE AND ANCHORED SECURELY INTO POSITION WITH A POST WEDGE. THE SLEEVE IS TO BE INSTALLED WITHIN A 250mm MINIMUM DIAMETER BY 700mm DEEP FOOTING CONSTRUCTED WITH 25MPA, 75mm SLUMP CONCRETE FOOTING.
N4. WHERE GALVANIZED POSTS ARE TO BE INSTALLED WITHIN A GRASSSED AREA EG. NATURE STRIP, THE GALVANIZED POSTS ARE TO BE ANCHORED INTO THE GROUND BY A 250mm MINIMUM DIAMETER BY 700mm DEEP FOOTING CONSTRUCTED WITH 25MPa, 75mm SLUMP CONCRETE FOOTING.

TOPSOIL AND TURFING / LANDSCAPING

- T1. NATURE STRIPS AND ALL AREAS OUT OUTSIDE ROAD RESERVE TO BE SURFACED WITH 150mm MINIMUM LAYER OF TOPSOIL COMPACTED TO A DRY DENSITY NOT LESS THAN 95% AUSTRALIAN STANDARDS MAXIMUM DRY DENSITY. CONTRACTOR TO HYDROSEED ALL LOTS AND NATURE STRIP ON COMPLETION OF WORKS.
T2. CARE MUST BE TAKEN AT ALL TIMES TO PREVENT DAMAGE TO TREE ROOTS OR BRANCHES.
T3. NO CUTTING OF TREE ROOTS TO THE TAKE PLACE WITHOUT CONSULTING THE SUPERINTENDENT.
T4. REFER TO LANDSCAPING DRAWING SET FOR FURTHER INFORMATION REGARDING PLANTING AND GARDEN BEDS.

DEMOLITION

- Y1. ALL DEMOLITION WORKS (IF ANY) TO BE CARRIED OUT IN ACCORDANCE WITH AS2601. THE CONTRACTOR IS TO TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY AND PROTECTION OF ALL PERSONS AND PROPERTY.
Y2. ALL DEMOLITION WORKS SHALL BE UNDERTAKEN BY A CONTRACTOR SUITABLY REGISTERED IN ACCORDANCE WITH THE VICTORIAN BUILDING AUTHORITY REQUIREMENTS.
Y3. THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM RELEVANT AUTHORITIES BEFORE COMMENCING WORK ON SITE. DEMOLITION WORKS ARE NOT TO COMMENCE BEFORE DEMOLITION PERMIT IS OBTAINED.
Y4. THE CONTRACTOR IS TO NOTIFY OWNERS AND OCCUPANTS OF ADJOINING PROPERTIES OF PROPOSED DEMOLITION WORKS INCLUDING DETAILS AND TIMING OF WORKS AND ABIDE BY ANY AND ALL REASONABLE REQUIREMENTS.
Y5. THE CONTRACTOR IS TO PROVIDE ALL NECESSARY TEMPORARY WORKS TO FACILITATE THE SAFE DEMOLITION OF STRUCTURES INCLUDING, WHERE REQUIRED, TEMPORARY SUPPORT TO ADJOINING STRUCTURES.
Y6. THE CONTRACTOR IS TO USE DEMOLITION METHODS TO MINIMISE INTERFERENCE WITH AND PROTECT THE PUBLIC AND THEIR ACTIVITIES, INCLUDING FROM NOISE, NOXIOUS EFFECTS OF DUST, FUMES, LIQUIDS, GASES, INFECTION, FIRE, EXPLOSION, RADIATION OR OTHER HAZARDS ETC. DO NOT USE EXPLOSIVES OR BLASTING.
Y7. THE CONTRACTOR IS TO ADVISE THE SUPERINTENDENT IMMEDIATELY IF HAZARDOUS MATERIALS ARE FOUND ON SITE, INCLUDING (BUT NOT LIMITED TO) ASBESTOS, FLAMMABLE OR EXPLOSIVE LIQUIDS OR GASES, TOXIC, INFECTED OR CONTAMINATED MATERIALS, RADIATION OR RADIOACTIVE MATERIALS, NOXIOUS OR EXPLOSIVE CHEMICALS AND TANKS OR OTHER CONTAINERS THAT HAVE BEEN USED FOR STORAGE OF THE ABOVE.
Y8. THE CONTRACTOR IS TO REMOVE FROM SITE ALL MATERIALS GENERATED FROM THE DEMOLITION WORKS NOT REQUIRED IN THE FINAL WORKS AS PER SUPERINTENDENT DIRECTION. ANY HAZARDOUS MATERIAL SHALL BE DISPOSED OF AT A SUITABLY LICENSED FACILITY.
Y9. NO EXISTING TREE SHALL BE REMOVED WITHOUT THE PRIOR APPROVAL OF COUNCIL AND THE SUPERINTENDENT.

DRAINAGE

- D1. ALL PRIVATE STORMWATER DRAINAGE SHALL BE ALL uPVC DRAINAGE PIPES TO BE CLASS SN10 (UP TO DN300 AND HDPE (>DN300) UNLESS INDICATED OTHERWISE ON THE CONSTRUCTION PLANS. ALL LOCAL COUNCIL DRAINAGE SHALL BE RCP R/RJ CLASS 4 TO COGGIDIM & VICROADS REQUIREMENTS AND SPECIFICATIONS.
D2. ALL STORMWATER PITS IN ROAD RESERVES TO HAVE CLASS D OR GREATER (HEAVY DUTY) LIDS IN ACCORDANCE WITH AS3996. STORMWATER PIT LIDS IN NON-TRAFFICABLE AREAS TO HAVE CLASS B PIT LIDS.
D3. ALL PIPE WORK LAID UNDER TRAFFICABLE PAVEMENT IS TO BE BACKFILLED WITH 2% CEMENT STABILISED SAND FROM THE BOTTOM OF THE PIPE TO THE SPRINGLINE (MID POINT) OF THE PIPE. CLASS 2 FCR IS TO BE USED AS BACKFILL FROM THE SPRINGLINE TO THE ROAD PAVEMENT SUB BASE. ANY SUBSTITUTION MUST BE APPROVED BY THE SUPERINTENDENT PRIOR TO WORKS.
D4. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING AND PROPOSED UNDERGROUND PIPES DURING CONSTRUCTION WHILE ACHIEVING COMPACTION AS SPECIFIED.
D5. ALL DRAINAGE IS TO BE CCTV INSPECTED AND RESULTS FORWARDED TO THE SUPERINTENDENT.
D6. INSTALLATION OF PIPES AND TRENCH BACKFILL TO BE IN ACCORDANCE WITH IDM STANDARD SD 310. WITH THE CONTRACTOR TO USE CLASS 2 MIN FCR BACKFILL UNDER TRAFFICABLE AREAS. ALL INSTALLATION REQUIREMENTS IN ACCORDANCE WITH THE PIPE INSTALLATION TABLE BELOW.
AS1N2S CODE OF PRACTICE FOR INSTALLATION OF UPVC PIPE SYSTEMS
AS1N2S INSTALLATION OF POLYETHYLENE PIPE SYSTEMS
AS 2566.2:2002 BURIED FLEXIBLE PIPELINES - INSTALLATION
AS 3725-2007 DESIGN FOR INSTALLATION OF BURIED CONCRETE PIPES
AS 4058-2007 PRE-CAST CONCRETE PIPES (PRESSURE AND NON-PRESSURE)

Table with 2 columns: ASINZS, CODE OF PRACTICE FOR INSTALLATION OF UPVC PIPE SYSTEMS, BURIED FLEXIBLE PIPELINES - INSTALLATION, DESIGN FOR INSTALLATION OF BURIED CONCRETE PIPES, PRE-CAST CONCRETE PIPES (PRESSURE AND NON-PRESSURE)

SERVICES

- S1. THE CONTRACTOR SHALL ARRANGE FOR CURRENT BEFORE YOU DIG (BYOD) SERVICES SEARCH PLANS FOR ANY EXISTING SERVICES WITHIN THE VICINITY OF THE CONSTRUCTION SITE AND SHALL MAINTAIN A COPY OF THESE PLANS ON SITE AT ALL TIMES DURING THE CONSTRUCTION PHASE OF THE PROJECT. CONTRACTOR TO CONTACT THE SERVICE AUTHORITIES TO LOCATE AND DEPTH WATER, DRAINAGE AND OTHER CONNECTION POINTS.
S2. ANY SERVICE THAT IS IDENTIFIED ON SITE THAT IS NOT SHOWN WITHIN THESE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE SUPERINTENDENT FOR COORDINATION WITH THE DESIGN SHOWN WITHIN THESE PLANS. NO WORK SHALL PROCEED PAST THIS POINT UNTIL APPROVAL IS GIVEN BY THE SUPERINTENDENT TO PROCEED.
S3. ANY DAMAGE CAUSED TO ANY EXISTING SERVICE DURING THE CONSTRUCTION PERIOD OF THIS PROJECT SHALL BE REPORTED IMMEDIATELY TO THE SUPERINTENDENT AND SUCH DAMAGE MADE GOOD AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE SUPERINTENDENT.
S4. CONTRACTOR MUST GAIN APPROVAL FOR SERVICE RELOCATION WHERE INDICATED ON THE DESIGN PLANS OR AS A RESULT OF SITE WORKS.
S5. ALL UNDERGROUND SERVICES SHALL BE LAID PRIOR TO FINAL SEALING OF PAVEMENTS.
S6. THE CONTRACTOR IS TO PROVIDE "AS BUILT" SURVEY PLANS AND TEST RESULTS TO THE SATISFACTION OF THE RELEVANT SERVICE AUTHORITIES FOR RECORD PURPOSES.
S7. ANY PIT COVER, VALVE COVER, ETC. SHALL BE ADJUSTED TO MATCH NEW ROAD OR FOOTPATH LEVELS. COVERS TO BE REORIENTED WHERE NECESSARY.
S8. FOR PROPOSED SERVICES, CONTRACTOR TO REFER TO THE RELEVANT SEPARATE SERVICE DRAWINGS, SERVICE TRENCHES TO BE BACKFILLED AS SPECIFIED ON THE SERVICE PLANS OR AS DIRECTED BY THE SUPERINTENDENT.
S9. THE CONTRACTOR IS TO DEMONSTRATE CARE WHEN OPERATING VEHICLES AND MACHINERY IN THE VICINITY OF THE OVERHEAD POWER LINES.
S10. CONTRACTOR TO OBTAIN ALL APPROVALS FOR WORKS WITH HV EXCLUSIONS ZONES AND ADHERE TO ALL PERMIT CONDITIONS.

ENVIRONMENTAL REQUIREMENTS

- P1. IT IS THE CONSTRUCTOR'S RESPONSIBILITY TO PROTECT THE SITE AND SURROUNDING AREA FROM DAMAGE RESULTING FROM STORMWATER RUNOFF.
P2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES ARE IMPLEMENTED AND MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION TO MINIMISED THE EFFECTS OF WEATHER TO THE SATISFACTION OF THE SUPERINTENDENT.
P3. NO EXTENSIONS OF TIME WILL BE GRANTED SHOULD DAMAGE TO THE WORKS AND SURROUNDING AREAS RESULTING FROM THE CONTRACTOR'S NEGLIGENCE IN NOT PROVIDING ADEQUATE EROSION AND SEDIMENT CONTROL PROTECTION. ON COMMENCEMENT OF CONSTRUCTION WORKS THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE EPA PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" (PUBLICATION NO 275 1991).
P4. ALL TREES AND VEGETATION ARE TO BE PROTECTED UNLESS OTHERWISE INDICATED FOR REMOVAL.
P5. ALL TREES, GARDEN BEDS AND SHRUBBERY AFFECTED BY CONSTRUCTION WORKS MUST BE REINSTATED AS PER EXISTING CONDITIONS.
P6. ALL AREAS CONTAINING VEGETATION, TREES AND REVEGETATED AREAS NEAR THE CONSTRUCTION ZONE ARE TO BE FENCED OFF DURING THE WORKS WITH SECURE AND HIGHLY VISIBLE MATERIAL SUCH AS PARA-WEBBING FENCING.
P7. ENSURE ALL MACHINERY, EQUIPMENT AND/OR FOOTWEAR ENTERING THE SITE IS WEED AND PATHOGEN FREE.
P8. ON COMPLETION OF WORKS THE CONTRACTOR MUST REINSTATE TO THE SATISFACTION OF THE SUPERINTENDENT ANY AREAS DIRTIED OR MADE UNSERVICABLE BY THE CONSTRUCTION WORKS
P9. CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN TO COUNCIL'S SATISFACTION. CONTRACTOR TO PROVIDE AND MAINTAIN ALL INFRASTRUCTURE AS REQUIRED BY THE APPROVED ENVIRONMENTAL MANAGEMENT PLAN FOR THE DURATION OF WORKS.

SAFETY IN DESIGN

- SD1. THE SAFETY RISK MITIGATION ITEMS BELOW ARE BASED ON GHD'S DESIGN OFFICE EXPERIENCE AND DO NOT NECESSARILY ACCOUNT FOR ALL CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION SAFETY RISKS. BASED ON INFORMATION AVAILABLE WHEN THIS DRAWING WAS MADE, IN ITS CAPACITY AS DESIGNER ONLY, GHD HAS TRIED TO IDENTIFY SAFETY RISKS PERTAINING TO CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION PHASES OF THE ASSET. INCLUSION (OR NOT) OF ANY ITEM DOES NOT REDUCE OR LIMIT OBLIGATIONS OF CONSTRUCTOR, USER, MAINTAINER AND DEMOLISHER TO UNDERTAKE APPROPRIATE RISK MANAGEMENT ACTIVITIES TO REDUCE RISK AND IS NOT AN ADMISSION BY GHD THAT INCLUSION OF ANY ITEM IS DESIGNER'S RESPONSIBILITY.
SD2. THE CONTRACTOR IS TO PROVIDE SAFETY BARRIERS AT EDGES OF OPENINGS AND ELEVATED AREAS.
SD3. THE CONTRACTOR IS TO REVIEW ADEQUACY OF WORKING SPACE AVAILABLE FOR CONSTRUCTION ACTIVITIES. ENSURE SEPARATION OF PLANT AND PERSONNEL ON SITE, INCLUDING MOVEMENTS OF BOTH.
SD4. THE CONTRACTOR IS TO LOCATE LIFTING SLEW AND LAY DOWN AREAS AWAY FROM REGULAR CONSTRUCTION TRAFFIC.
SD5. THE CONTRACTOR IS TO ENSURE ISOLATION SAFE SYSTEMS OF WORK OR PROTECTIVE MEASURES ARE INSTALLED BEFORE WORKING NEAR LIVE ELECTRICAL INFRASTRUCTURE. PROVIDE PROTECTION OF ELECTRICAL OVERHEAD WIRING SYSTEMS AND ELECTRICAL POLES DURING CONSTRUCTION.
SD6. WRITTEN RISK ASSESSMENTS ARE ADVISED FOR ACCESS TO OPEN EXCAVATIONS.
SD7. THE CONTRACTOR IS TO LOCATE STOCKPILES AND HEAVY EQUIPMENT INCLUDING CRANES AWAY FROM BURIED SERVICES AND BUILDING BOUNDARIES WHERE ADJACENT BASEMENTS ARE PRESENT.
SD8. SEEK ADVICE FROM SUITABLY QUALIFIED GEOTECHNICAL OR STRUCTURAL ENGINEER PRIOR TO OPERATION OF HEAVY SURFACE PLANT AND EQUIPMENT OR STOCKPILING MATERIAL NEAR OPEN EXCAVATIONS OR EXISTING RETAINING STRUCTURES.
SD9. THE CONTRACTOR IS TO SEEK ADVICE FROM SUITABLY QUALIFIED STRUCTURAL ENGINEER IF PLANNING CRANE LIFTS OR HOIST INSTALLATION ON PARTIALLY ERRECTED OR SUSPENDED STRUCTURES.

TRAFFIC MANAGEMENT

- TM1. CONTRACTOR TO PROVIDE TRAFFIC MANAGEMENT FOR THE ENTIRE DURATION OF WORKS IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS1742.3 TO THE SATISFACTION OF THE ROAD AUTHORITIES SUCH AS COUNCIL AND VICROADS.
TM2. THE CONTRACTOR IS TO OBTAIN ALL ROAD OPENING PERMITS FROM COUNCIL AND VICROADS / DTP (DEPARTMENT OF TRANSPORT AND PLANNING MOA's) FOR WORKS WITHIN THE EXISTING ROAD RESERVE.
TM3. CONTRACTOR TO ALLOW FOR ALL RELOCATION, TEMPORARY REMOVAL AND COVERING OF EXISTING SIGNS AS PER THE APPROVED TRAFFIC MANAGEMENT PLAN. CONTRACTOR TO ALLOW FOR ALL NEW TEMPORARY SIGNAGE, BARRIERS, LIGHTING, ETC. AS PER THE APPROVED TRAFFIC MANAGEMENT PLAN.
TM4. PRIOR TO COMMENCING WORK ON SITE, THE CONTRACTOR SHALL OBTAIN A TRAFFIC AND PEDESTRIAN MANAGEMENT PLAN APPROVED BY COUNCIL. THE PLAN SHALL TAKE INTO ACCOUNT THE REQUIREMENTS OF ALL STAKEHOLDERS.
TM5. THE CONTRACTOR IS TO MAKE PROVISION FOR THE SAFETY OF PEDESTRIAN AND VEHICLE TRAFFIC DURING THE CURRENCY OF WORKS, TO THE SATISFACTION OF THE SUPERINTENDENT.

AS CONSTRUCTED

- A1. ALL INSTALLATIONS OF IN GROUND UTILITY SERVICES SHALL BE PLOTTED AND RECORDED BY A REGISTERED SURVEYOR PRIOR TO ANY TRENCH BACKFILL PLACEMENT IN ACCORDANCE WITH STANDARD DETAILS AND SPECIFICATIONS.
A2. THE CONTRACTOR IS TO PROVIDE DIGITAL .PDF AND TWO HARD COPY VERSIONS OF "AS CONSTRUCTED" DRAWINGS, THE "AS CONSTRUCTED" INFORMATION SHALL INCLUDE ROAD, FOOTPATH AND DRAINAGE DRAWINGS INCLUDING LONG-SECTIONS AND CROSS-SECTIONS. THE "AS CONSTRUCTED AND AS BUILT DRAWINGS" SHALL BE PROVIDED IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.
A3. THE CONTRACTOR IS TO PROVIDE DIGITAL D-SPEC AND R-SPEC AS-BUILT DOCUMENTATION FOR ALL PUBLIC ROAD WORKS.

REFERENCE INFORMATION

- GHD HAVE BEEN PROVIDED THE BELOW LISTED REFERENCE FILES FOR USE IN THE DEVELOPMENT OF THE MORGAN STREET REDEVELOPMENT DESIGN. GHD MAKES THE FOLLOWING QUALIFICATIONS AS TO USE RELATED TO THIS INFORMATION:
F1. DATA IS FROM A RANGE OF DIFFERENT SOURCES, OF VARYING LEVELS OF ACCURACY AND DESIGN DEVELOPMENT AND COORDINATE SYSTEMS. GHD HAS NOT VERIFIED EXCEPT TO THE EXTENT THAT ITS VERIFICATION MAY HAVE BEEN AGREED IN GHD'S SCOPE OF SERVICES FOR GHD'S CLIENT. GHD MAKES NO REPRESENTATION OR GIVES ANY WARRANTY ABOUT COMPLETENESS OR ACCURACY OF THE DATA USED OR SUPPLIED IN THE REFERENCED FILES.
F2. IT IS RECOMMENDED THAT IT IS PRUDENT FOR THE RECIPIENT OF ANY DESIGN FILE REFERENCING THIS INFORMATION TO CHECK, VERIFY, OR OTHERWISE CONFIRM THE ACCURACY OF DATA CONTAINED IN THE REFERENCE FILE.
F3. THE REFERENCE FILE IS CURRENT AS AT ITS DESIGNATED DATE OF ISSUE AND GHD DOES NOT ACCEPT ANY RESPONSIBILITY TO, SUBSEQUENT TO THAT DATE, UPDATE OR OTHERWISE REVIEW THE REFERENCE FILE OTHER THAN AS AGREED WITH GHD'S CLIENT.
F4. IF THE REFERENCE FILE IS AMENDED IN ANY FORM, OR EXTRACTED TO OTHER SOFTWARE FOR AMENDING, OR THE REFERENCE FILE OR ANY PART OF IT IS ISSUED TO ANY OTHER PERSON, IT IS WITHOUT LIABILITY ATTACHING TO GHD AND ALL ATTRIBUTIONS AND REFERENCES TO GHD MUST BE ENTIRELY REMOVED.
F5. TO THE EXTENT PERMITTED BY LAW, GHD EXCLUDES ANY EXPRESS OR IMPLIED WARRANTIES WHICH MAY APPLY TO THE REFERENCE FILES.
F6. PROVISION OF THE REFERENCE FILE DOES NOT VEST IN THE RECIPIENT, OR OTHERWISE CREATE IN FAVOUR OF THE RECIPIENT A LICENCE TO USE, ANY INTELLECTUAL PROPERTY RIGHTS IN THE REFERENCE FILE AND OR ANY OF ITS COMPONENTS.
F7. GHD RECOMMENDS THE RECIPIENT UNDERTAKE A SECURITY CHECK OF THE REFERENCE FILES AS GHD PROVIDES NO GUARANTEE THAT THE REFERENCE FILE IS FREE OF COMPUTER VIRUSES OR OTHER CONDITIONS THAT MAY DAMAGE OR INTERFERE WITH DATA, HARDWARE OR SOFTWARE WITH WHICH IT MIGHT BE USED.
F8. REFERENCE INFORMATION:
- PAGE GREEN & ASSOCIATES PTY LTD FOR CIRILLO ARCHITECTS - CARPARK EXTENSION ARCHIVE DRGS. (JUNE 2011, REF. 13535-1)
- MEXTED RIMMER ASSOCIATES PTY LTD - CARPARK LANDSCAPE PLAN ARCHIVE DRG. (NOV 2010, REF. L1 01)
- JOHNNY'S TREE SERVICE - TREE SURVEY AND IMPACT ASSESSMENT (JAN 2022)
- WOODS BAGOT - ARCHITECTURE DESIGN PACKAGE (JUNE 2024, REF. A-1100)
- TRACT - LANDSCAPE PACKAGE (JULY 2024, REF. 321-06778-00-L-03)
- BARWON WATER - COWIES CREEK CROSSING WATERMAIN RENEWAL IFC PACKAGE (DEC 2023, REF. BAS-230213)
F9. FEATURE AND UTILITY SURVEY INFORMATION:
- ST. QUENTIN - FEATURE, SERVICE SCAN AND TITLE ESTABLISHMENT SURVEY (JULY 2024, REF. 17184 REV_07)
F10. GEOTECHNICAL/ENVIRONMENTAL INFORMATION
- SCAADA - PRELIMINARY GEOTECHNICAL SITE INVESTIGATIONS (SEP 2023, REF. J246707)
- SCAADA - ENVIRONMENTAL SITE ASSESSMENT (SEP 2023, REF. J246707)
- A.S. JAMES PTY LTD - GEOTECHNICAL INVESTIGATION (MAY 2024, REF. 122820).
- SCAADA - LEVEL 1 LANDFILL GAS RISK ASSESSMENT (JUN 2024, REF. J248344)
- SCAADA - SITE SOIL ASSESSMENT (JUN 2024, REF. J248344)

LEGEND (CONT.):

Legend table listing proposed drainage (DP, SSO, FP, DNxxx-uPVC), proposed services (P1, P2A, P6A, P2B, P6B, P3, P4, P5, P8, P9, P15, P16) and their corresponding descriptions.

LEGEND:

Main legend table listing general symbols (TITLE BOUNDARY, FUTURE TITLE BOUNDARY, DTP ROADWORKS BOUNDARY), existing services (EXISTING UNDERGROUND WATER, EXISTING UNDERGROUND SEWER, EXISTING NBN FIBRE OPTIC TELECOMMUNICATION CABLE, EXISTING UNDERGROUND ELECTRICAL (OVERHEAD), EXISTING UNDERGROUND ELECTRICAL (LOW VOLTAGE), EXISTING UNDERGROUND STORMWATER), existing features (EXISTING CONTOURS 100mm INTERVAL, EXISTING WATER BODY (COWIES CREEK), EXISTING TREES, DRIP LINE OF GROUP OF TREES, TREE PROTECTION ZONE (TPZ), STRUCTURAL ROOT ZONE (SRZ), EXISTING TABLE DRAIN / SWALE), demolition (SERVICE TO BE MADE REDUNDANT / REMOVED, AREA TO BE DEMOLISHED, AREA TO BE PROTECTED), earthworks (CUT AREAS, FILL AREAS), proposed features (PROPOSED CONTOURS 100mm INTERVAL, ROAD CENTERLINE, ROAD KERB (KERB TYPE AS INDICATED ON PLAN, REFER TO DETAILS), RETAINING WALL (REFER LANDSCAPE DRAWINGS FOR DETAILS), SIGNAGE (REFER CI-00410), BOLLARD (TYPE 1, 2 OR 3), WHEEL STOP (REFER TO DETAILS)), finishes and pavements (EXISTING CONCRETE PAVEMENT TO BE RETAINED, SOFT LANDSCAPING AND PLANTING AREAS (REFER TO LANDSCAPE DRAWINGS FOR DETAILS), PROPOSED BUILDING (REFER TO ARCHITECT DRAWINGS FOR DETAILS), TIMBER DECK (REFER TO ARCHITECT DRAWINGS FOR DETAILS), LANDSCAPE FURNITURE (REFER TO LANDSCAPE ARCHITECT DRAWINGS FOR DETAILS), PROPOSED STORMWATER WATER SENSITIVE URBAN DESIGN FEATURE (RAIN GARDEN), REFER TO CI-00301 FOR DETAILS), PAVEMENT TYPE 1 - UPGRADE TO EXISTING SHARED PATH (REFER TO LANDSCAPE DRAWINGS FOR DETAILS), PAVEMENT TYPE 2A AND 6A - CONCRETE PEDESTRIAN FOOTPATH (UNTRAFFICKED), COLOURED/EXPOSED AGGREGATE FINISH, VARIES, REFER TO LANDSCAPE DRAWINGS FOR DETAILS, PAVEMENT TYPE 2B AND 6A - CONCRETE ROADWAY (INQUIRENED SERVICE VEHICLES ONLY), COLOURED/EXPOSED AGGREGATE FINISH, VARIES, REFER TO LANDSCAPE DRAWINGS FOR DETAILS, PAVEMENT TYPE 3 - PRIVATE ASPHALT ROAD AND CARPARK CONSTRUCTION, PAVEMENT TYPE 4 - NEW RAISED PEDESTRIAN CROSSING, REFER DETAIL ON SHEET CI-00300, PAVEMENT TYPE 5 - FIRE SERVICES CONCRETE SLAB, REFER TO STRUCTURAL DRAWINGS FOR DETAILS, PAVEMENT TYPE 8 - EXTERIOR STONE PAVING (REFER TO LANDSCAPE DRAWINGS FOR DETAILS), PAVEMENT TYPE 9 - GRANITIC GRAVEL (REFER TO LANDSCAPE DRAWINGS FOR DETAILS), PAVEMENT TYPE 15 - PUBLIC (VICROADS) CONCRETE FOOTPATH AND KERB ISLAND (UNTRAFFICKED), PAVEMENT TYPE 16 - PUBLIC (VICROADS) ASPHALT ROAD CONSTRUCTION



Project: MORGAN STREET REDEVELOPMENT. Logo for WATHAURONG ABORIGINAL CO-OPERATIVE. Client: WATHAURONG ABORIGINAL CO-OPERATIVE.

Table with columns: Issue, W-B Woods Bagot, GHD, Project number (12613952), Size check (25mm), Checked, Approved, Sheet size (MHT, HB, A0), Scale (NTS), Sheet title (GENERAL NOTES AND MASTER LEGEND), Sheet number (CI-00002), Revision (01), Status (TENDER).



- EXISTING SITE COMMS AND WATER CONNECTIONS
- EXISTING LARGE SIGN
- EXISTING SPEED HUMP SIGN
- EXISTING STOP SIGN AND SPEED SIGN
- EXISTING ONE-LANE BRIDGE
- TBM SPIKE IN EDGE OF ROAD RL. 6.51m REFER ST QUENTIN FEATURE SURVEY, MCA2020 ZONE 55, JULY 2021 FOR FURTHER INFORMATION
- EXISTING GIVE-WAY SIGN
- EXISTING WATER MAIN ABOVE GROUND
- EXISTING SPEED HUMP
- EXISTING TRAFFIC MIRROR AND SMALL SIGN
- EXISTING WATER MAIN ABOVE GROUND / BELOW GROUND TRANSITION POINT
- EXISTING PEDESTRIAN PATH
- APPROX LOCATION OF EXISTING DRAINAGE OUTFALL PIPE, LOCATED FROM SITE INVESTIGATIONS
- EXISTING DANCING CIRCLE AND SCAR TREE
- EXISTING DRAINAGE PIT
- EXISTING ABOVE GROUND WATER MAIN (REDUNDANT)
- EXISTING TELECOMS (REDUNDANT)
- EXISTING FLAG POLES
- EXISTING DUAL HEAD HYDRANT BOOSTER
- EXISTING DRAINAGE OUTFALLS TO COWIES CREEK
- EXISTING GAS MONITORING VENTS
- EXISTING TRIPLE INTERCEPTOR TRAP AS PART OF VICROADS STORMWATER MANAGEMENT STRATEGY. ACCESS TO BE MAINTAINED.
- EXISTING TRENCH DRAIN
- EXISTING GARBAGE DISPOSAL AREA
- EXISTING CHAINWIRE FENCE
- EXISTING POLE MOUNTED SUBSTATION
- EXISTING DRAINAGE PIT
- EXISTING BUILDING FOOTPRINT
- EXISTING SHARED CYCLE/PEDESTRIAN PATH
- EXISTING CHAINWIRE FENCE
- EXISTING MICROROADS SITE ACCESS ROAD
- EXISTING CHAINWIRE FENCE AND GATE

#	Status	Description	Date
01	ISSUED FOR TENDER		12.12.24

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SCALE 1:500 AT ORIGINAL SIZE

Project
MORGAN STREET REDEVELOPMENT



Client
WATHAURONG ABORIGINAL CO-OPERATIVE



Project number	Size check
12613952	25mm
Checked	Approved
MH	HB
Sheet size	Scale
A0	1:500

Sheet title
EXISTING CONDITIONS PLAN

Sheet number	Revision
CI-00010	01
Date:	TENDER

PLAN
 SCALE 1:500



ELEVATION RANGES			
No.	COLOUR	MIN. ELEVATION (m)	MAX. ELEVATION (m)
1	Red	-1.614	-1.010
2	Red	-1.000	-0.801
3	Red	-0.800	-0.601
4	Red	-0.600	-0.401
5	Red	-0.400	-0.201
6	Red	-0.200	-0.021
7	Red	-0.021	0.002
8	White	0.000	0.001
9	White	0.000	0.021
10	White	0.021	0.200
11	Light Green	0.201	0.400
12	Light Green	0.401	0.600
13	Light Green	0.601	0.800
14	Light Green	0.801	1.000
15	Light Green	1.001	1.200

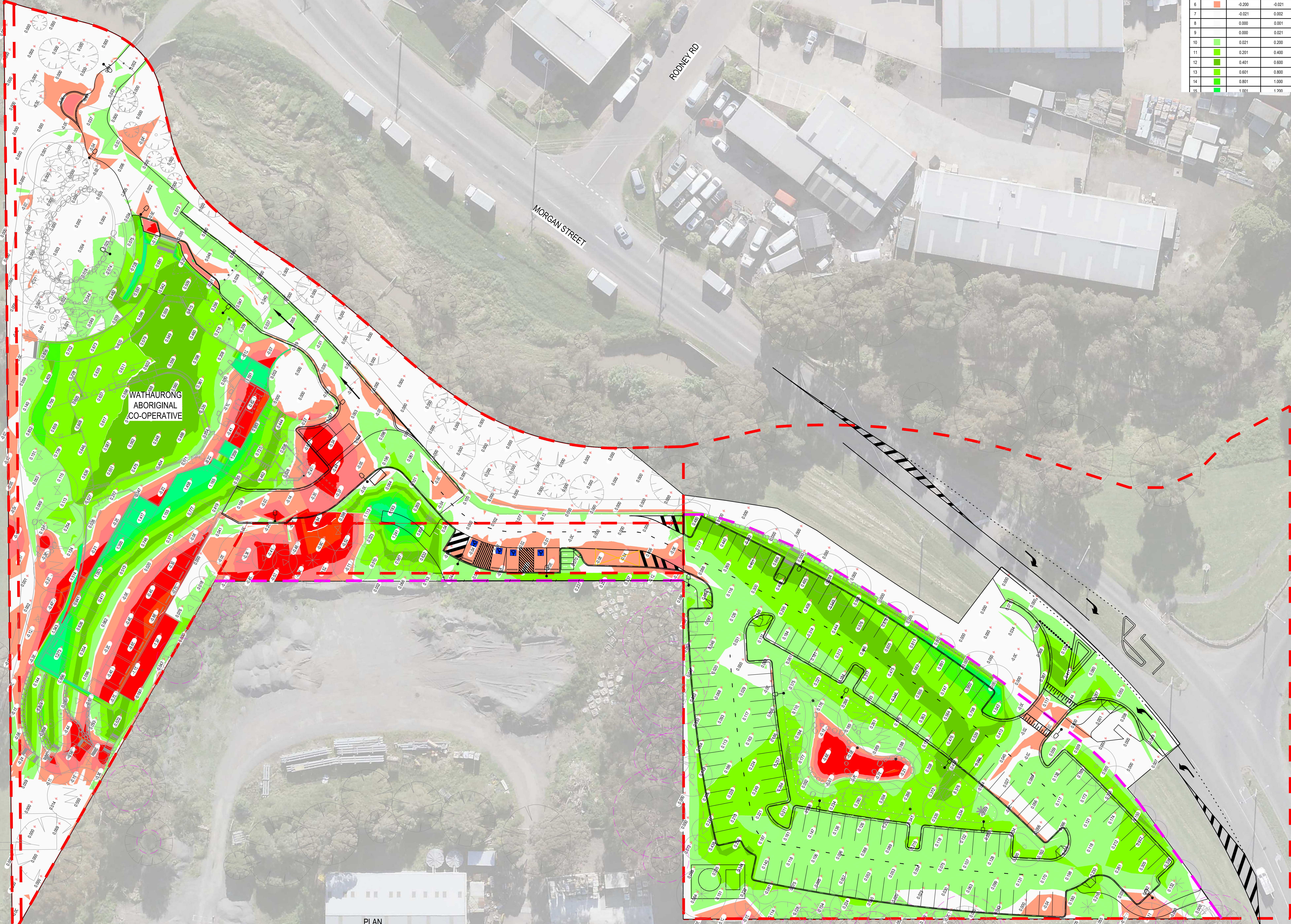
Recent revision history

#	Status	Description	Date
01		SUBMIT FOR TENDER	12.12.24

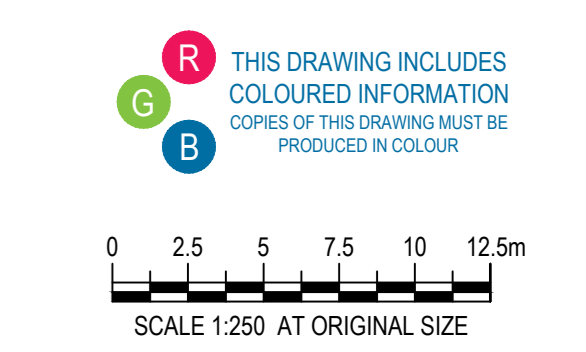
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NOTES:

- REFER TO DRAWING CI-00002 FOR GENERAL NOTES AND MASTER LEGEND.
- CUT AND FILL HEAT MAP HAS BEEN GENERATED BY COMPARING THE FINISHED SURFACE LEVEL WITH THE EXISTING SURFACE LEVEL. THIS DOES NOT SHOW TOTAL DEPTH TO FORMATION.



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Project: MORGAN STREET REDEVELOPMENT



Client: WATHAURONG ABORIGINAL CO-OPERATIVE



Project number: 12613952
Size check: 25mm

Checked:	Approved:	Sheet size:	Scale:
MH	HB	A0	1:250

Sheet title: BULK EARTHWORKS PLAN

Sheet number: CI-00011
Revision: 01
Status: TENDER

PLAN
SCALE 1:250



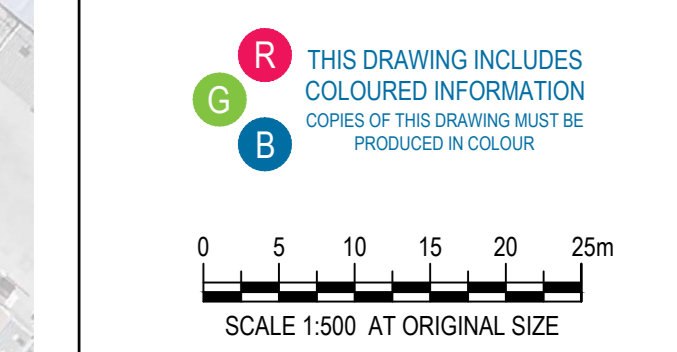
#	Status	Description	Date
01	ISSUED FOR TENDER		12.12.24

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- NOTES:**
- REFER TO DRAWING CI-00012 FOR GENERAL NOTES AND MASTER LEGEND.
 - SOIL CONTAMINATION AND ASBESTOS FOUND WITHIN SITE EXTENTS. SOIL BETWEEN CAT-A AND CAT-B DISCOVERED DURING THIS INVESTIGATION. IT IS IMPORTANT THE CONTRACTOR FAMILIARISE THEMSELVES WITH ALL RELEVANT ENVIRONMENTAL REPORTS (SC44DA) AND COMPLY WITH THE APPROVED ENVIRONMENTAL MANAGEMENT PLAN.
 - ALL DEMOLITION WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS. DUE CARE SHALL BE TAKEN TO ENSURE TEMPORARY BATTERS DO NOT EXCEED RECOMMENDED SLOPES.
 - REFER TO THE LANDSCAPE PACKAGE FOR DETAILS OF ALL TREES MARKED FOR REMOVAL.



WARNING
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Project
MORGAN STREET REDEVELOPMENT

Client
WATHAURONG ABORIGINAL CO-OPERATIVE

Issue
W-B WOODS BAGOT

Project number
12613952

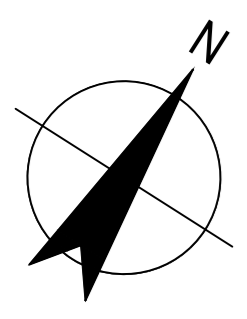
Size check
25mm

Checked	Approved	Sheet size	Scale
MH	HB	A0	1:500

Sheet title
DEMOLITION PLAN

Sheet number	Revision
CI-00012	01
TENDER	

DEMOLITION PLAN
SCALE 1:500



PLAN
SCALE 1:500

Recent revision history

#	Status	Description	Date
01	ISSUED FOR TENDER		12.12.24

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- NOTES:**
- REFER TO CI-00120 FOR ROAD LONGITUDINAL SECTIONS
 - REFER TO CI-00483 FOR CONTROL LINE SETOUT TABLES



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Project
MORGAN STREET REDEVELOPMENT



Client
WATHAURONG ABORIGINAL CO-OPERATIVE



Project number	Size check		
12613952	25mm		
Checked	Approved	Sheet size	Scale
MH	HB	A0	1:500

Sheet title
CONTROL LINE LAYOUT PLAN

Sheet number	Revision
CI-00015	01
Status TENDER	



#	Status	Description	Date
01	ISSUED FOR TENDER		12.12.24

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Project
MORGAN STREET REDEVELOPMENT



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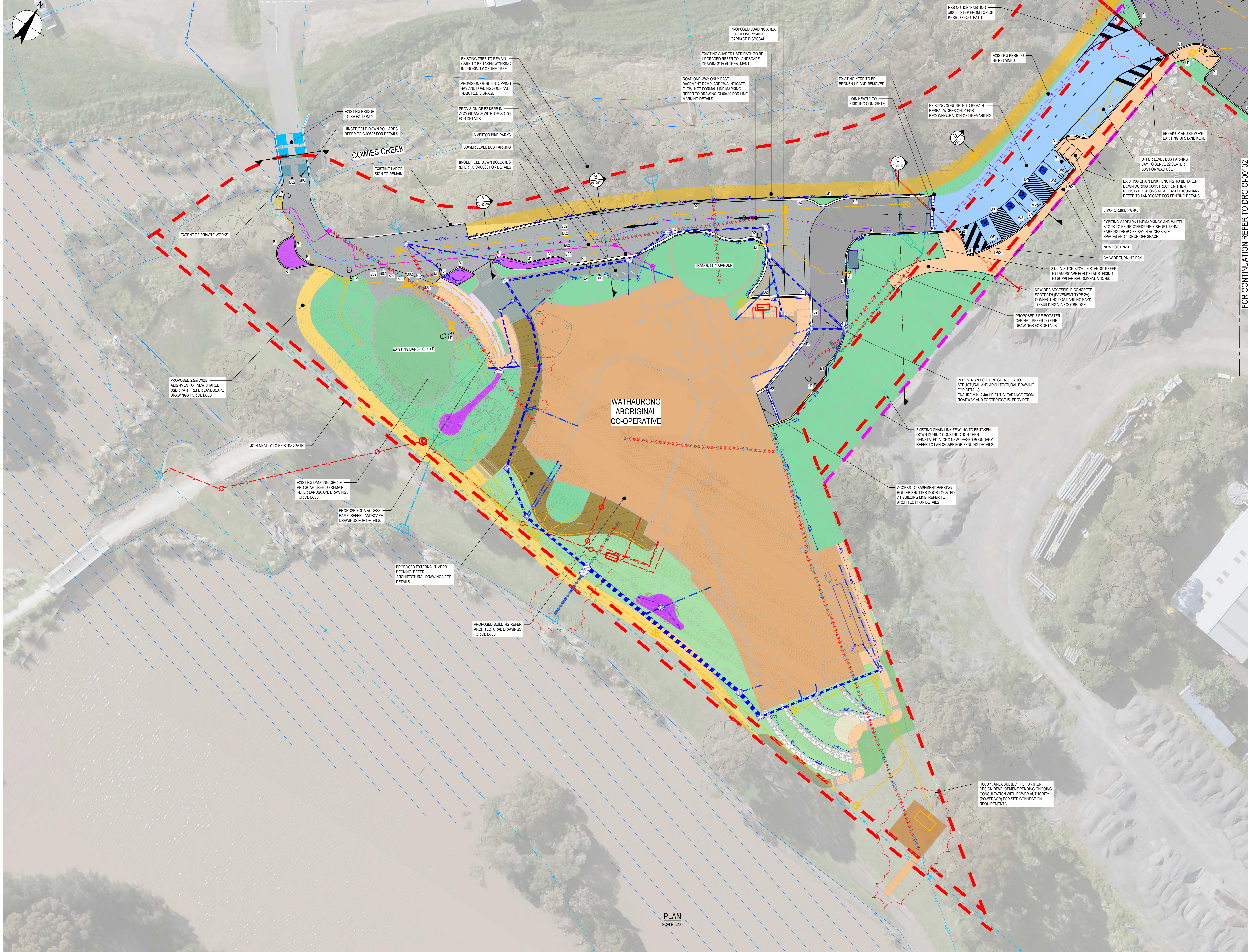


Project number	Size check
12613952	25mm
Checked: MH	Approved: HB
Sheet size: A0	Scale: 1:500

Sheet title
OVERALL SITE LAYOUT PLAN

Sheet number	Revision
C-00100	01
Status:	TENDER

PLAN
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#	Status	Description	Date
01	ISSUED FOR TENDER		12.12.24

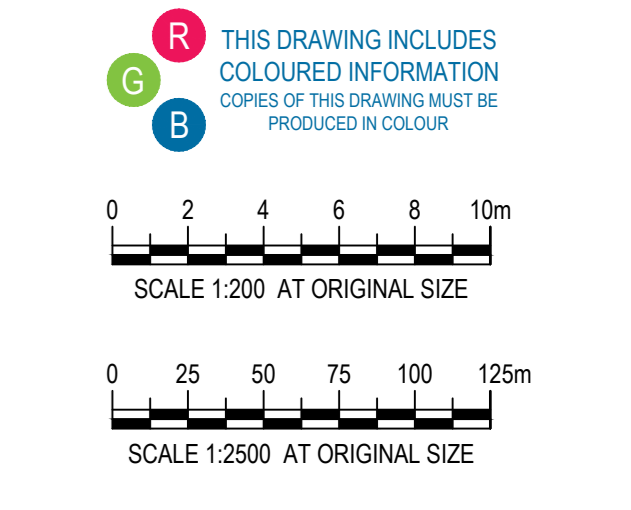
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FOR CONTINUATION REFER TO DRG CI-00102



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Project
MORGAN STREET REDEVELOPMENT



Client
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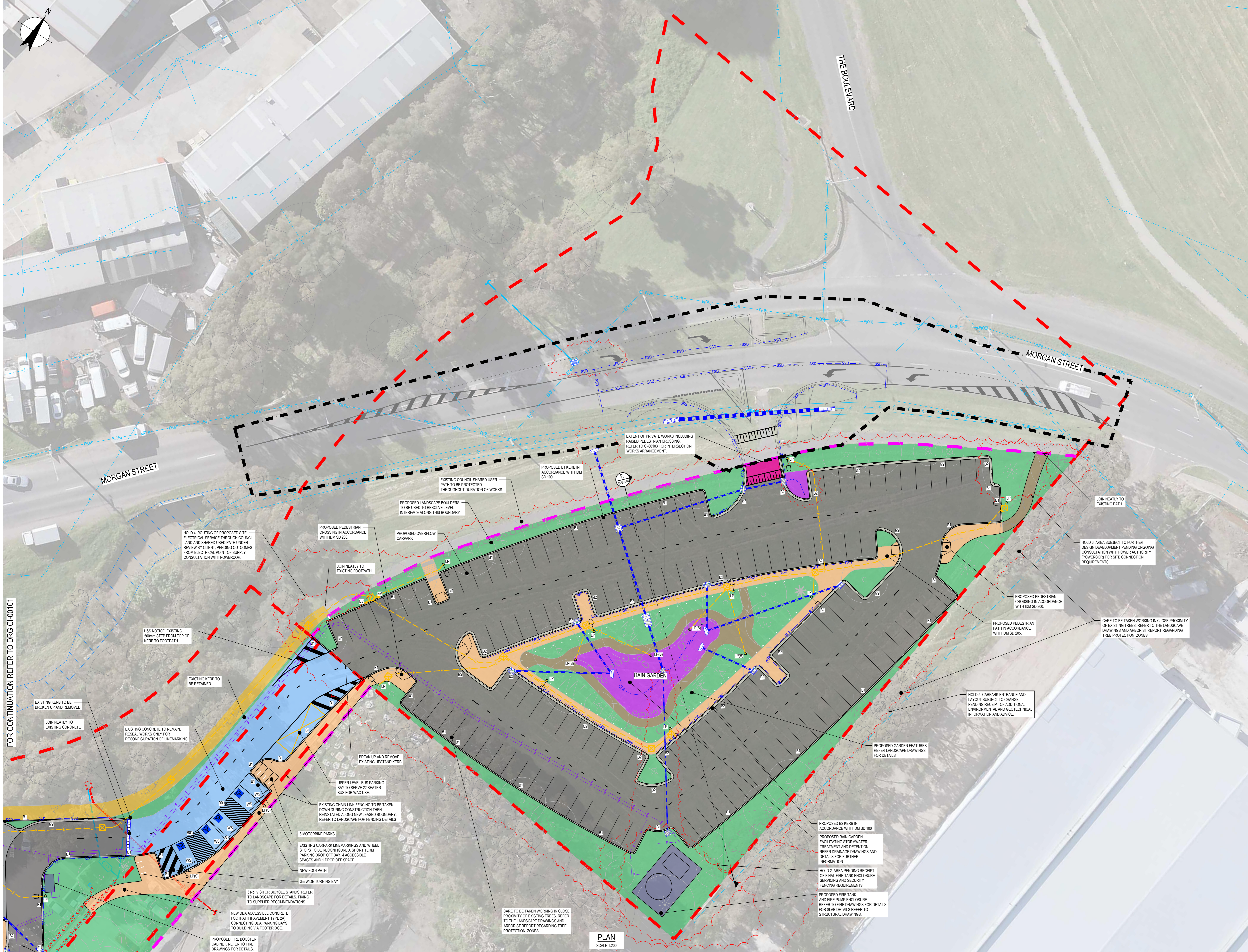


Project number 12613952	Size check 25mm
Checked MH	Approved HB
Sheet size A0	Scale 1:200

Sheet title
SITE LAYOUT PLAN SHEET 1 OF 2

Sheet number CI-00101	Revision 01
Date TENDER	

PLAN
 SCALE 1:200



FOR CONTINUATION REFER TO DRG CI-00101

PLAN
SCALE 1:200

#	Status	Description	Date
1	ISSUED FOR TENDER		12.12.24

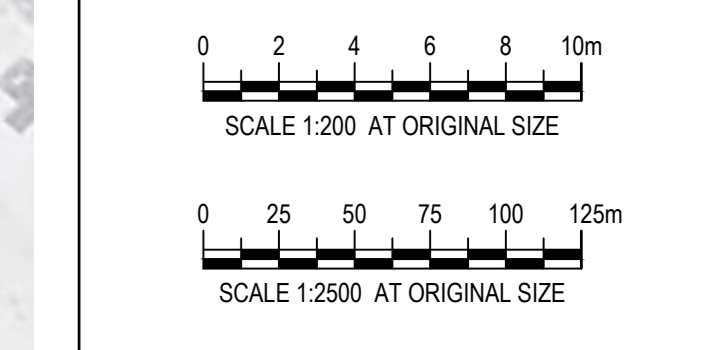
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Project
MORGAN STREET REDEVELOPMENT



Client
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Project number 12613952	Size check 25mm
Checked MH	Approved HB
Sheet size A0	Scale 1:200

Sheet title
SITE LAYOUT PLAN SHEET 2 OF 2

Sheet number CI-00102	Revision 01
Date TENDER	

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- NOTES:**
- BL - DENOTES BARRIER LINE
 CL - DENOTES CONTINUITY LINE
 EL - DENOTES EDGE LINE
 HL - DENOTES HOLD LINE / GIVE-WAY LINE
 LL - DENOTES LANE LINE
 OL - DENOTES OUTLINE
 - REFER TO AS 1742.1 (MUTCD) FOR LITEMARKING SPECIFICATIONS AND GUIDELINES.



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SCALE 1:200 AT ORIGINAL SIZE

Project
MORGAN STREET REDEVELOPMENT



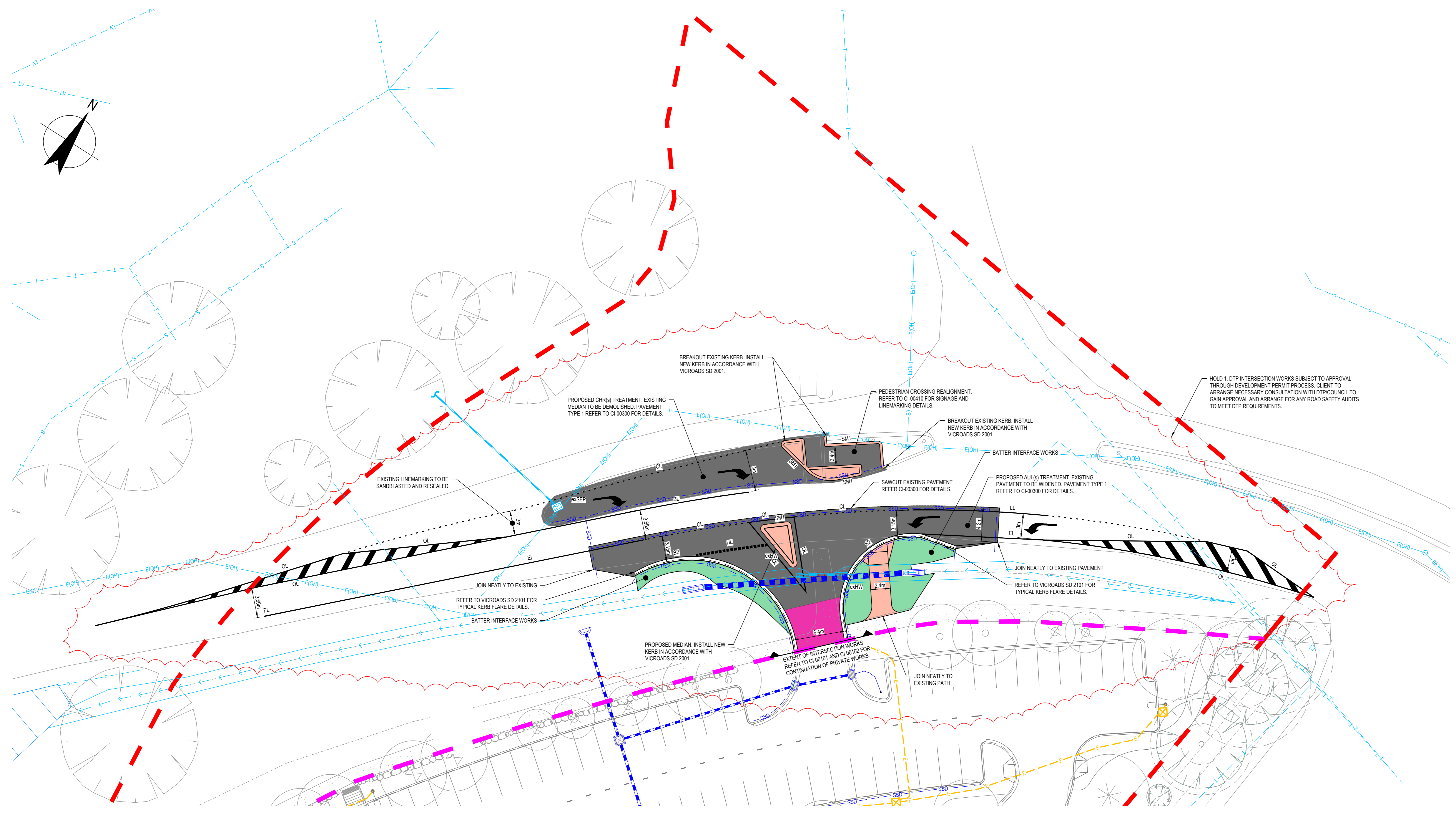
Client
WATHAURONG ABORIGINAL CO-OPERATIVE



Project number	Size check
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Checked	Approved
MH	HB
Sheet size	Scale
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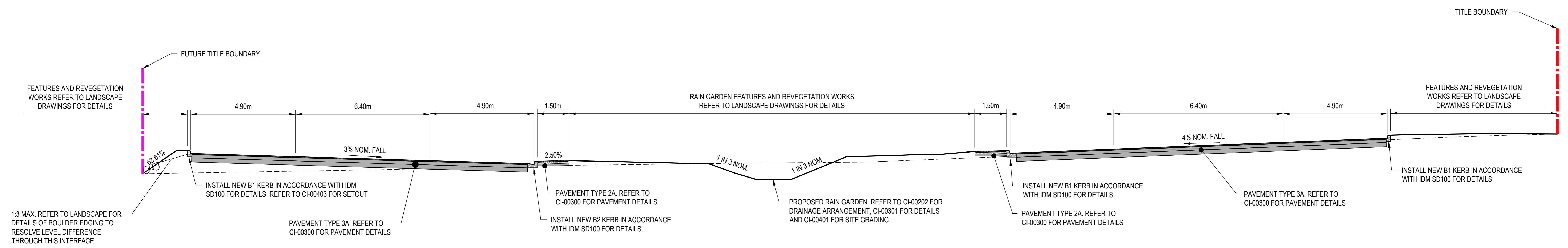
Sheet title
INTERSECTION LAYOUT PLAN

Sheet number	Revision
CI-00103	01
Status	
TENDER	



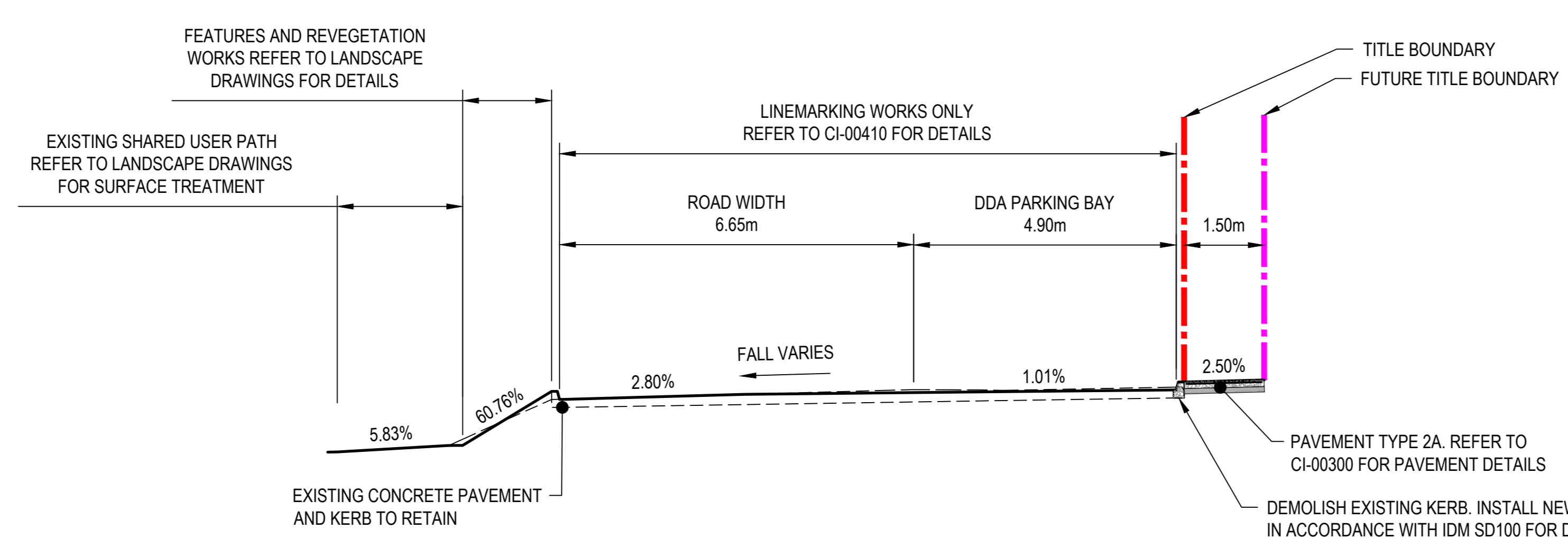
PLAN
 SCALE 1:200

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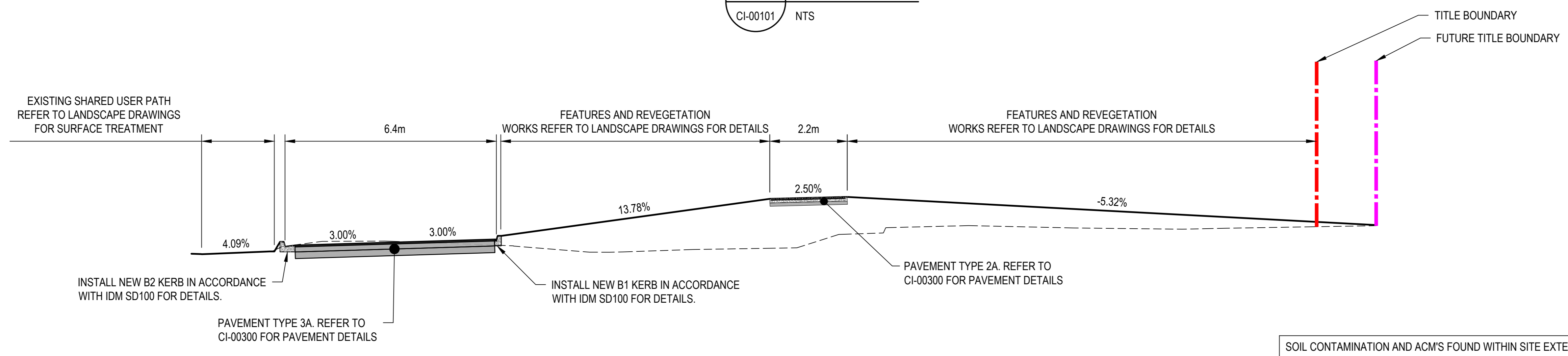
E SECTION E
 CI-00102 NTS

SOIL CONTAMINATION AND ACM'S FOUND WITHIN SITE EXTENTS. SOIL BETWEEN CAT-A AND CAT-D DISCOVERED DURING THIS INVESTIGATION. IT IS IMPORTANT THE CONTRACTOR FAMILIARISE THEMSELVES WITH ALL RELEVANT ENVIRONMENTAL REPORTS AND COMPLY WITH THE APPROVED ENVIRONMENTAL MANAGEMENT PLAN.



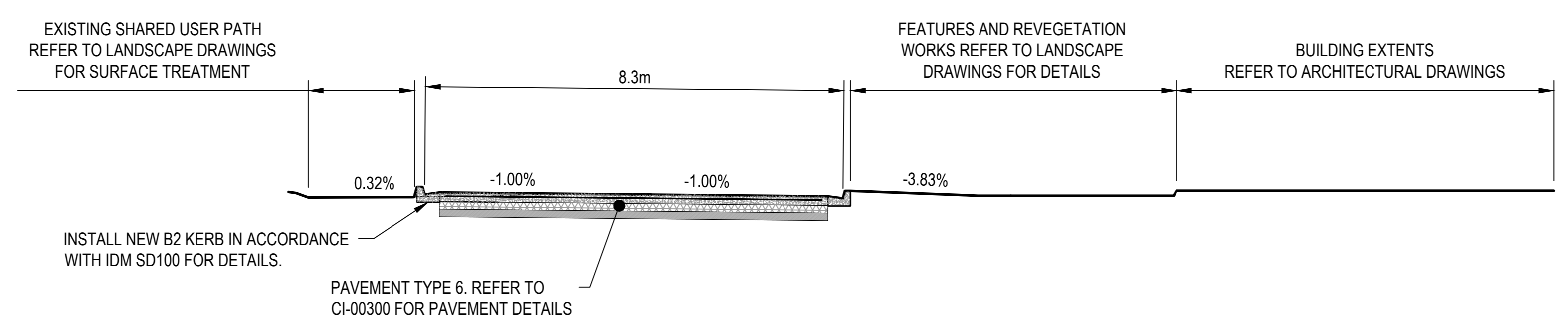
D SECTION D
 CI-00101 NTS

SOIL CONTAMINATION AND ACM'S FOUND WITHIN SITE EXTENTS. SOIL BETWEEN CAT-A AND CAT-D DISCOVERED DURING THIS INVESTIGATION. IT IS IMPORTANT THE CONTRACTOR FAMILIARISE THEMSELVES WITH ALL RELEVANT ENVIRONMENTAL REPORTS AND COMPLY WITH THE APPROVED ENVIRONMENTAL MANAGEMENT PLAN.



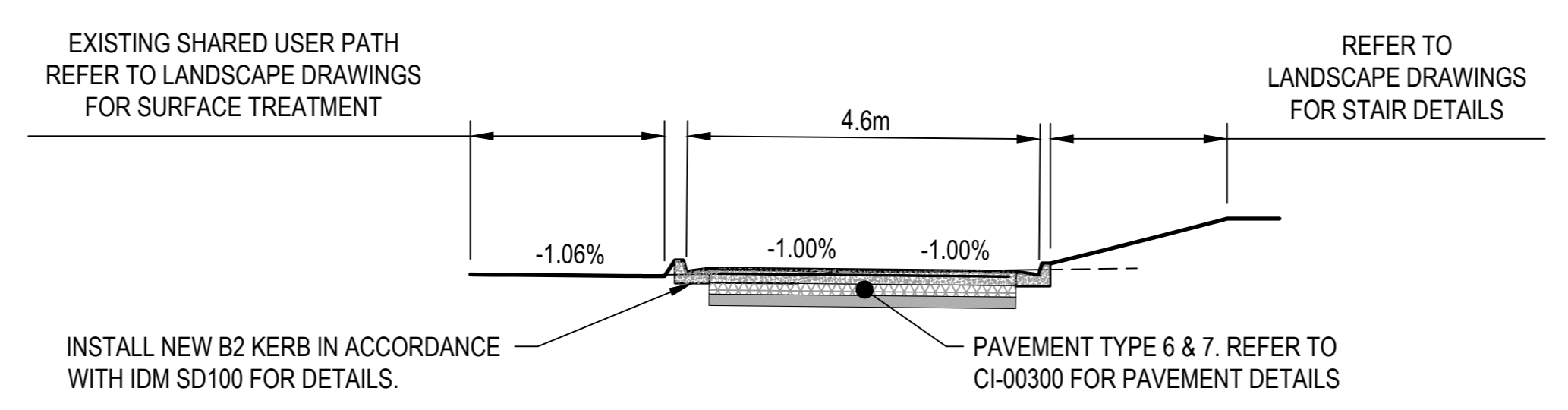
C SECTION C
 CI-00101 NTS

SOIL CONTAMINATION AND ACM'S FOUND WITHIN SITE EXTENTS. SOIL BETWEEN CAT-A AND CAT-D DISCOVERED DURING THIS INVESTIGATION. IT IS IMPORTANT THE CONTRACTOR FAMILIARISE THEMSELVES WITH ALL RELEVANT ENVIRONMENTAL REPORTS AND COMPLY WITH THE APPROVED ENVIRONMENTAL MANAGEMENT PLAN.



B SECTION B
 CI-00101 NTS

SOIL CONTAMINATION AND ACM'S FOUND WITHIN SITE EXTENTS. SOIL BETWEEN CAT-A AND CAT-D DISCOVERED DURING THIS INVESTIGATION. IT IS IMPORTANT THE CONTRACTOR FAMILIARISE THEMSELVES WITH ALL RELEVANT ENVIRONMENTAL REPORTS AND COMPLY WITH THE APPROVED ENVIRONMENTAL MANAGEMENT PLAN.



A SECTION A
 CI-00101 NTS

SOIL CONTAMINATION AND ACM'S FOUND WITHIN SITE EXTENTS. SOIL BETWEEN CAT-A AND CAT-D DISCOVERED DURING THIS INVESTIGATION. IT IS IMPORTANT THE CONTRACTOR FAMILIARISE THEMSELVES WITH ALL RELEVANT ENVIRONMENTAL REPORTS AND COMPLY WITH THE APPROVED ENVIRONMENTAL MANAGEMENT PLAN.



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Project
MORGAN STREET REDEVELOPMENT



Client
WATHAURONG ABORIGINAL CO-OPERATIVE

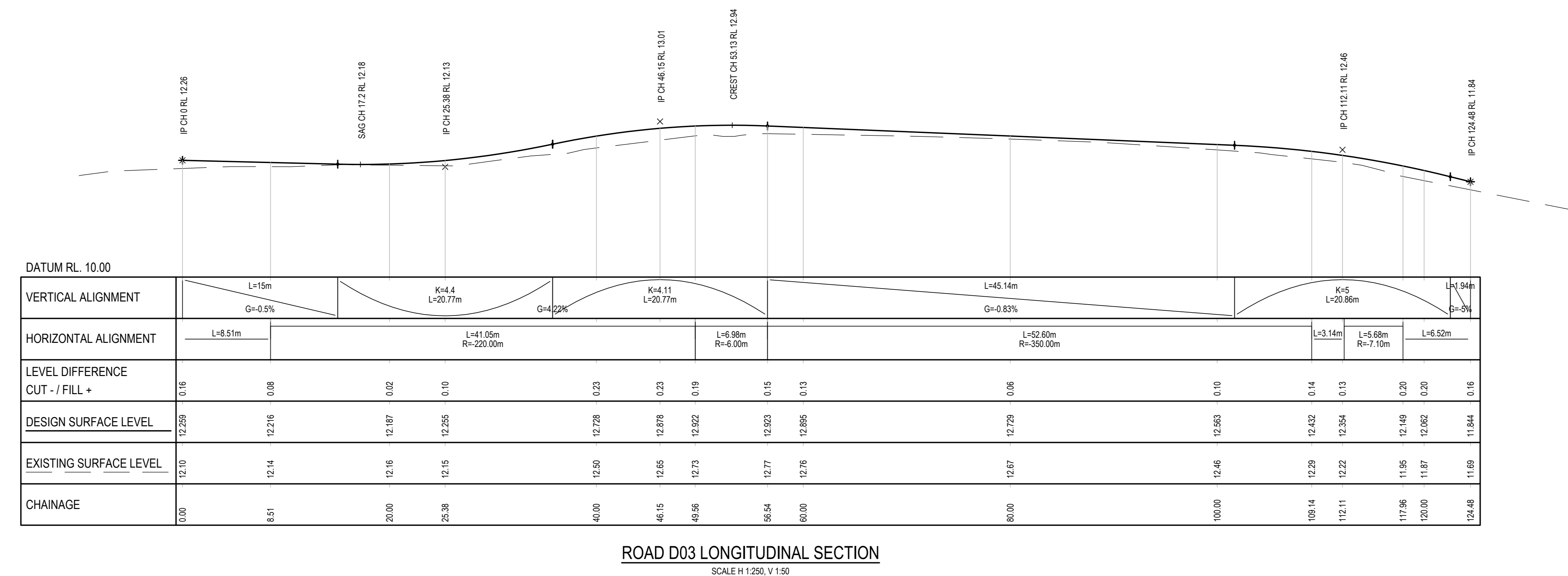


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 Checked: MH Approved: HB Sheet size: A0 Scale: 1:250

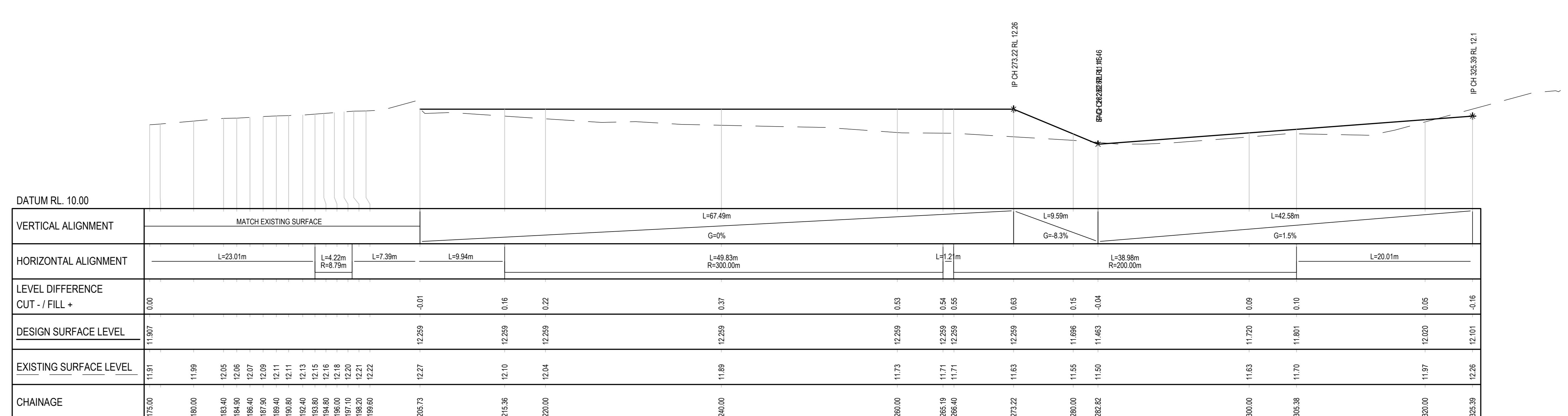
Sheet title
CIVIL CROSS SECTIONS

Sheet number
 CI-00110
 Revision
 01
TENDER

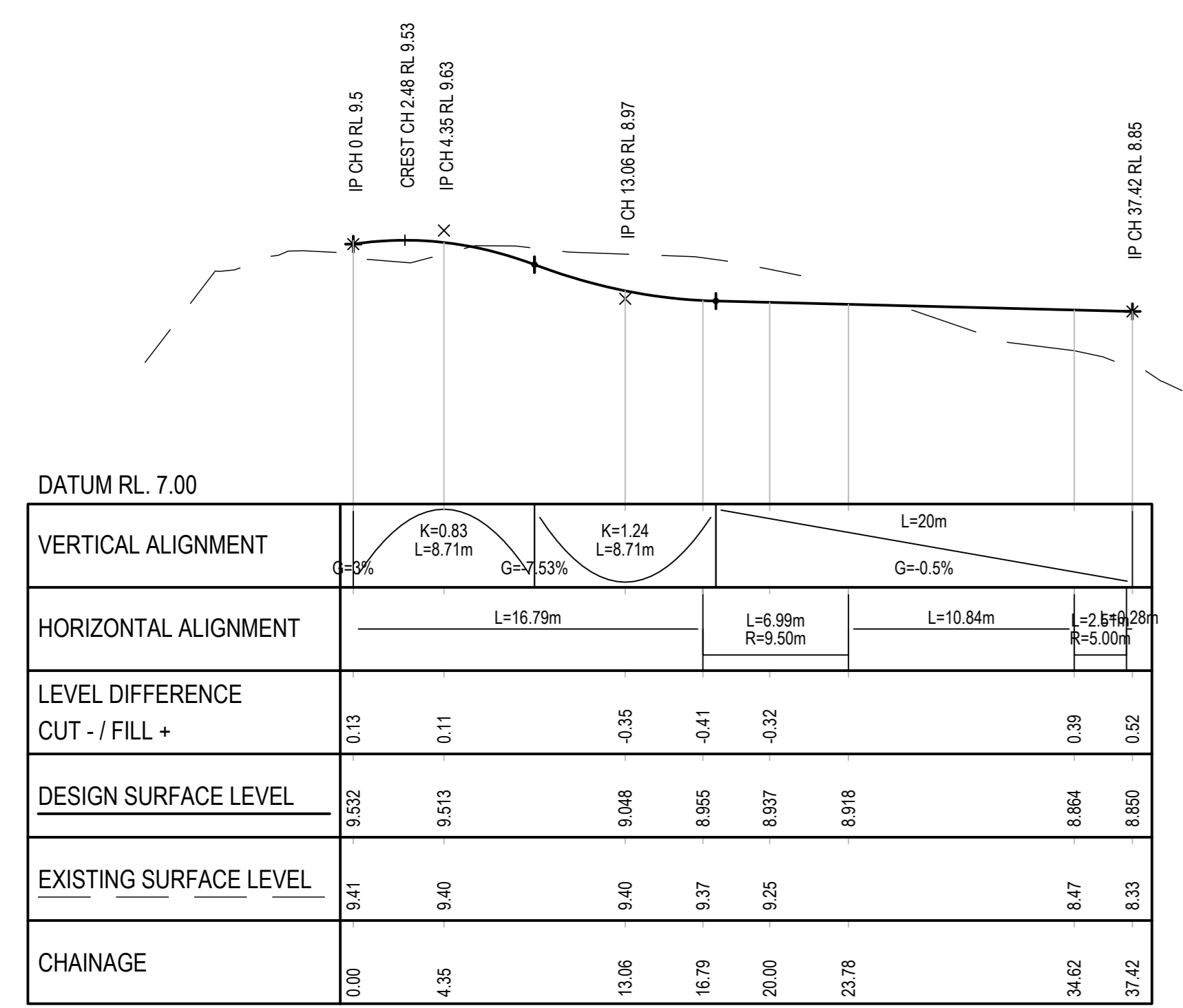
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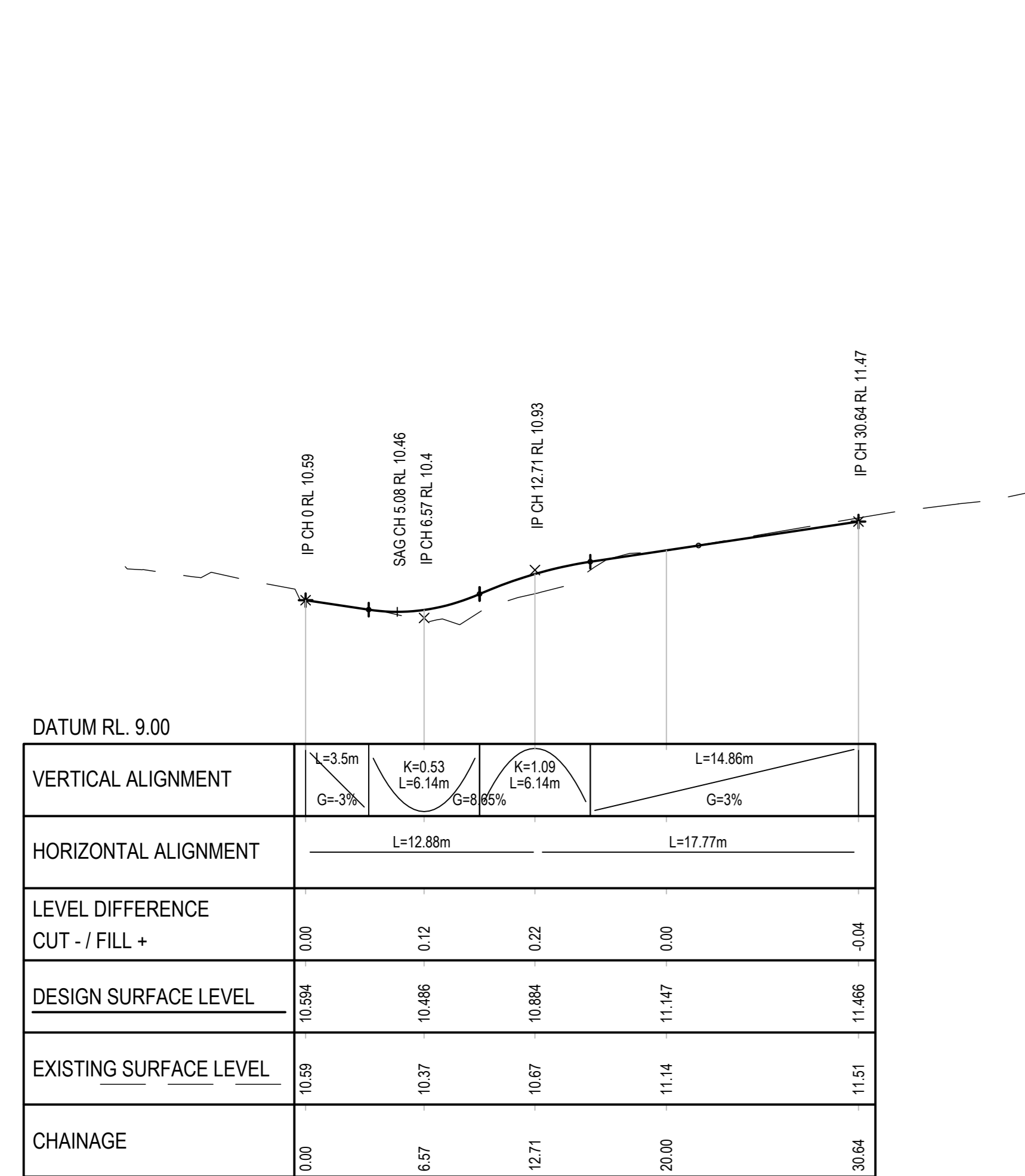
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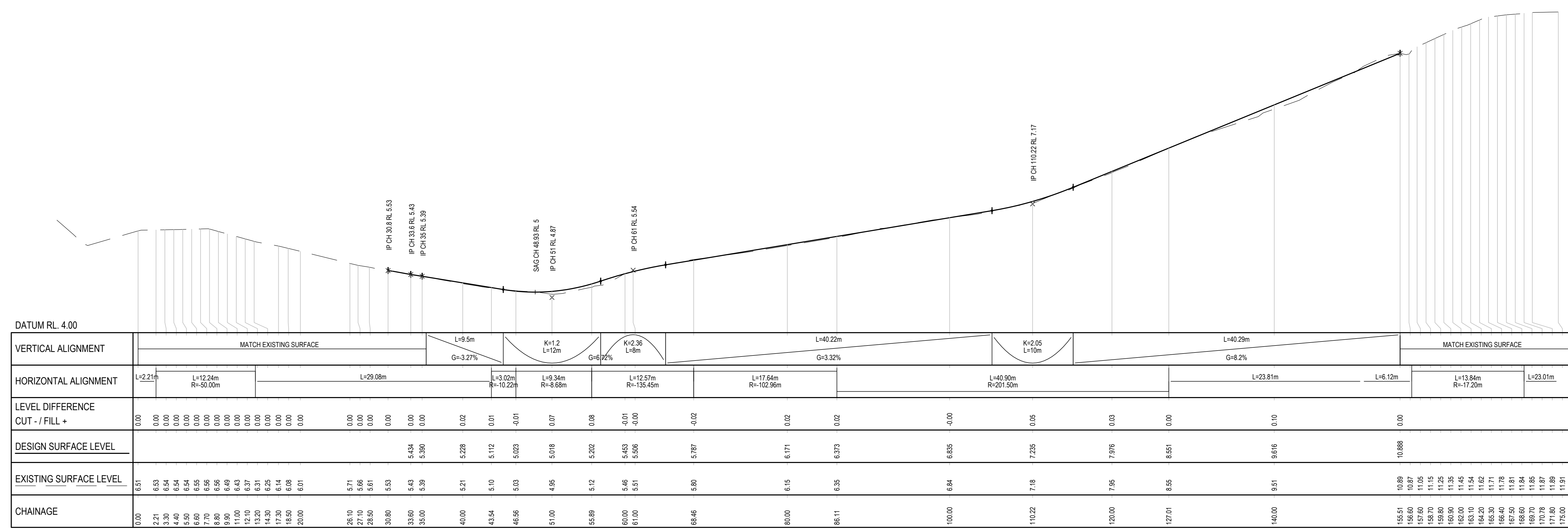
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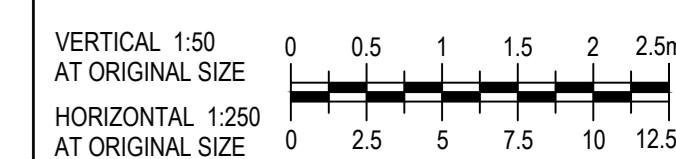
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 SCALE H 1:250, V 1:50



ROAD D01 LONGITUDINAL SECTION
 SCALE H 1:250, V 1:50



ROAD D02 LONGITUDINAL SECTION
 SCALE H 1:250, V 1:50



Project
MORGAN STREET REDEVELOPMENT

Client
WATHAURONG ABORIGINAL CO-OPERATIVE

Issue
W-B WOODS BAGOT **GHD**

Project number
12613952

Checked Approved Sheet size Scale
 MH HB A0 1:250

Sheet title
ROAD LONGITUDINAL SECTIONS

Sheet number
CI-00120

Revision
01

TENDER



#	Status	Description	Date
01	ISSUED FOR TENDER		12/12/24

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0 5 10 15 20 25m
 SCALE 1:500 AT ORIGINAL SIZE

Project
MORGAN STREET REDEVELOPMENT



Client
WATHAURONG ABORIGINAL CO-OPERATIVE

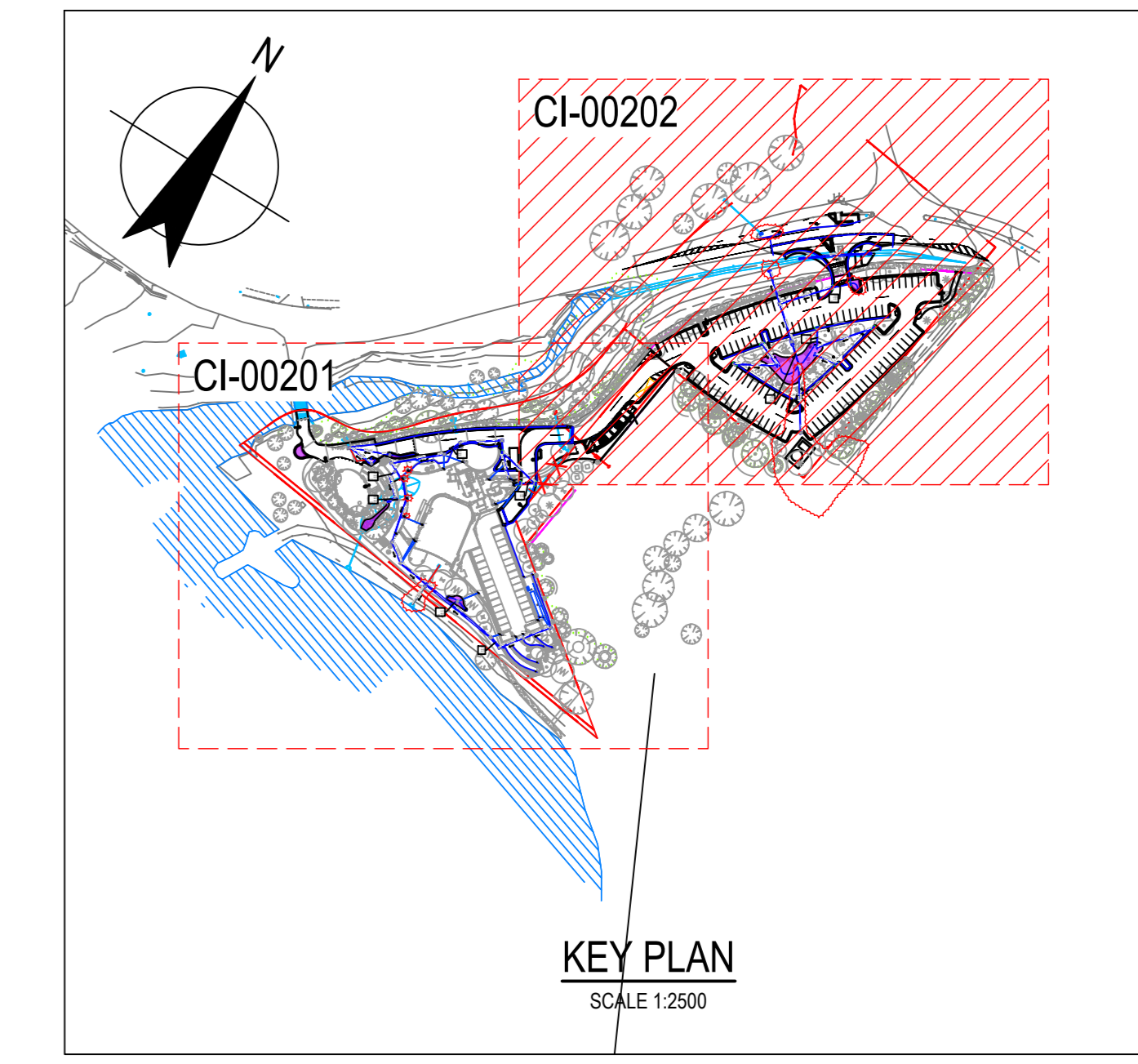
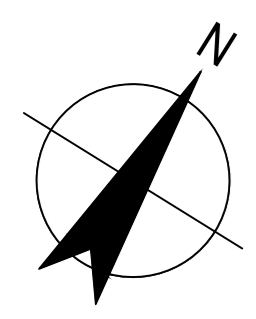


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Approved	HB	Scale	1:500

Sheet title
EXISTING DRAINAGE CONDITIONS

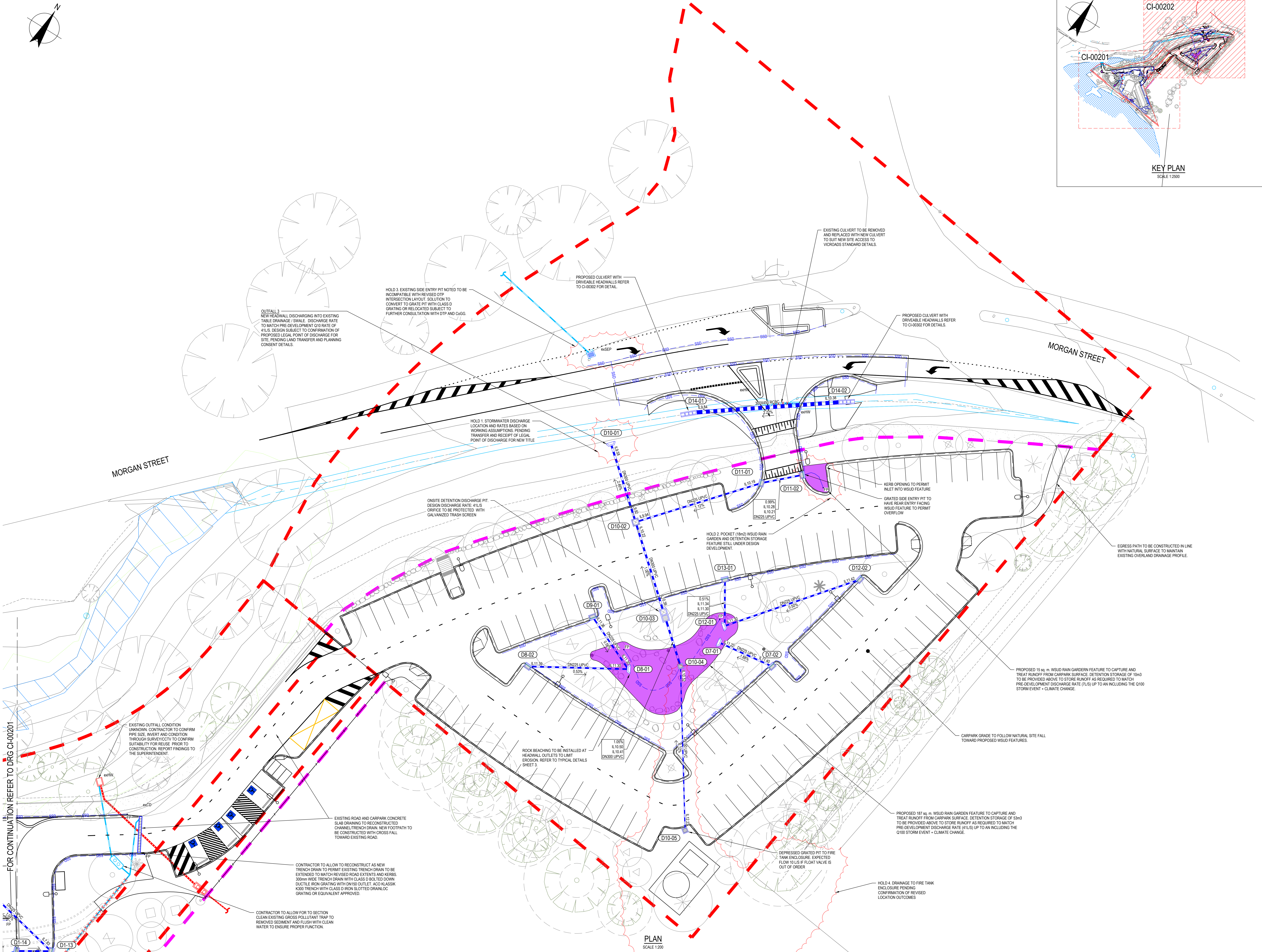
Sheet number	CI-00200	Revision	01
Status	TENDER		

PLAN
 SCALE 1:500

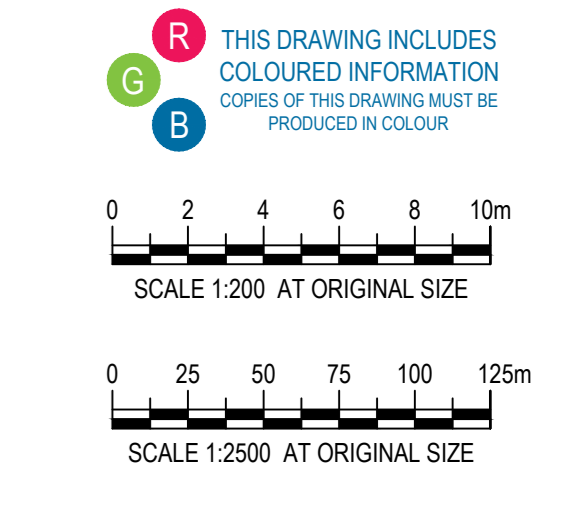


#	Status	Description	Date
01	ISSUED FOR TENDER		12.12.24

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Project
MORGAN STREET REDEVELOPMENT



Client
WATHAURONG ABORIGINAL CO-OPERATIVE



Project number 12613952	Size check 25mm
Checked MH	Approved HB
Sheet size A0	Scale 1:200

Sheet title
PROPOSED DRAINAGE LAYOUT PLAN SHEET 2 OF 2

Sheet number
CI-00202

Revision
01

Date
TENDER



Recent revision history		
#	Date	Description
01	12/12/24	ISSUED FOR TENDER

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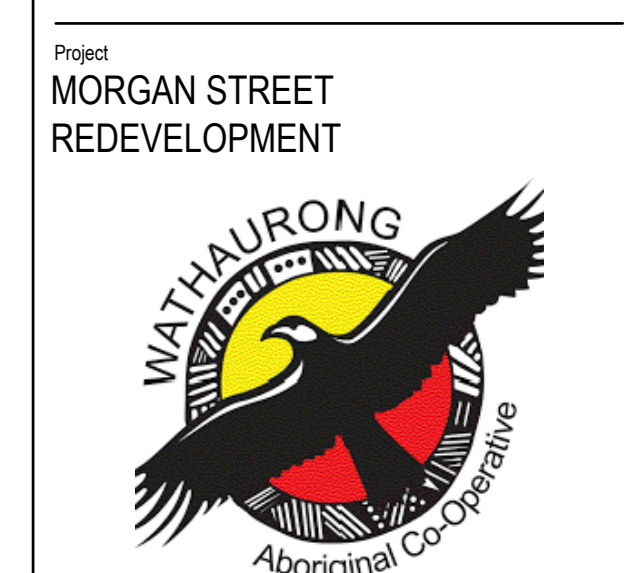
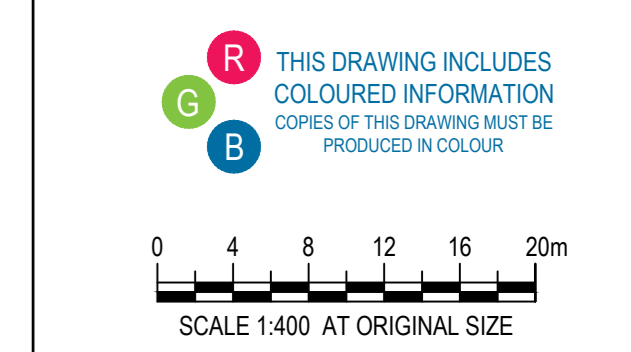
- NOTES:**
- 60-62 MORGAN STREET, NORLANE HAS NO EXISTING LEGAL POINT OF DISCHARGE REGISTERED WITH COUNCIL.
 - ADJACENT VICROADS DEPOT AT 21 BIRDWOOD AVENUE, NORLANE SITE CONNECTS TO DRAINAGE OUTFALL PIPE ON 60-62 MORGAN STREET SITE.
 - A DRAINAGE PIPE TO COWIES CREEK PROVIDES OUTFALL FOR CATCHMENT OF LEASED LAND FROM 21 BIRDWOOD AVENUE SITE.

LEGEND:

- GENERAL**
- TITLE BOUNDARY
 - - - FUTURE TITLE BOUNDARY
 - EXISTING OVERLAND FLOW DIRECTION
- CATCHMENTS**
- CATCHMENT 1 - TRIANGLE SITE
5,498 sq. m. - CATCHMENT AREA
 - CATCHMENT 2 - VICROADS LEASED SITE
1,045 sq. m. - CATCHMENT AREA
 - CATCHMENT 3 - WAC MAIN SITE
8,748 sq. m. - CATCHMENT AREA
- PRE-DEVELOPMENT DRAINAGE REGIME**
- NO FORMAL DRAINAGE. EXISTING TURF AREA DRAINS VIA OVERLAND FLOW TOWARDS COWIES CREEK
 - EXISTING PLANTING/SOFT LANDSCAPE AREA DRAINING, NO FORMAL DRAINAGE, OVERLAND TO COWIES CREEK
 - EXISTING GRAVEL HARDSTAND, NO FORMAL DRAINAGE, OVERLAND TO COWIES CREEK
 - EXISTING HARDSTAND DRAINING VIA EXISTING DRAINAGE TO COWIES CREEK
 - EXISTING HARDSTAND, NO FORMAL DRAINAGE, OVERLAND FLOW TO COWIES CREEK
 - EXISTING ROOF AREA, VIA EXISTING DRAINAGE TO COWIES CREEK



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Client: WATHAURONG ABORIGINAL CO-OPERATIVE



Project number: 12613952
 Size check: 25mm
 Checked: MHB Approved: HB Sheet size: A0 Scale: 1:400

Sheet title: DRAINAGE CATCHMENT PLAN EXISTING CONDITIONS

Sheet number: CI-00203
 Revision: 01
 Status: TENDER

EXISTING CONDITIONS CATCHMENT AREAS		
CATCHMENT	TOTAL AREA (m ²)	PERCENTAGE
IMPERVIOUS (BUILDING ROOF)	1,096 m ²	7.2%
IMPERVIOUS (HARDSTAND)	2,227 m ²	14.6%
TURF/SOFT LANDSCAPE	11,748 m ²	76.8%
GRAVEL	220 m ²	1.4%
TOTAL SITE AREA :	15,291 m²	-

PLAN
 SCALE 1:400

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LEGEND:

GENERAL

- TITLE BOUNDARY
- FUTURE TITLE BOUNDARY
- EXISTING OVERLAND FLOW DIRECTION
- PROPOSED OVERLAND FLOW DIRECTION

CATCHMENTS

- CATCHMENT 1 - TRIANGLE SITE
5,498 sq. m. - CATCHMENT AREA
- CATCHMENT 2 - VICROADS LEASED SITE
1,045 sq. m. - CATCHMENT AREA
- CATCHMENT 3 - WAC MAIN SITE
8,748 sq. m. - CATCHMENT AREA

PRE-DEVELOPMENT DRAINAGE REGIME

- PROPOSED TURF AREA DRAINS VIA OVERLAND FLOW TOWARDS COWIES CREEK
- PROPOSED PLANTING/SOFT LANDSCAPE AREA
- PROPOSED GRAVEL HARDSTAND, NO FORMAL DRAINAGE
- PROPOSED HARDSTAND DRAINING VIA NEW DRAINAGE
- PROPOSED HARDSTAND, NO FORMAL DRAINAGE
- EXISTING ROOF AREA, VIA EXISTING DRAINAGE TO COWIES CREEK

POST-DEVELOPMENT CONDITIONS CATCHMENT AREAS

CATCHMENT	TOTAL AREA (m ²)	PERCENTAGE
IMPERVIOUS (BUILDING ROOF)	1,096 m ²	7.2%
IMPERVIOUS (HARDSTAND)	2,227 m ²	14.6%
TURF/SOFT LANDSCAPE	11,748 m ²	76.8%
GRAVEL	220 m ²	1.4%
TOTAL SITE AREA:	15,291 m²	-



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Client: MORGAN STREET REDEVELOPMENT



Client: WATHAURONG ABORIGINAL CO-OPERATIVE



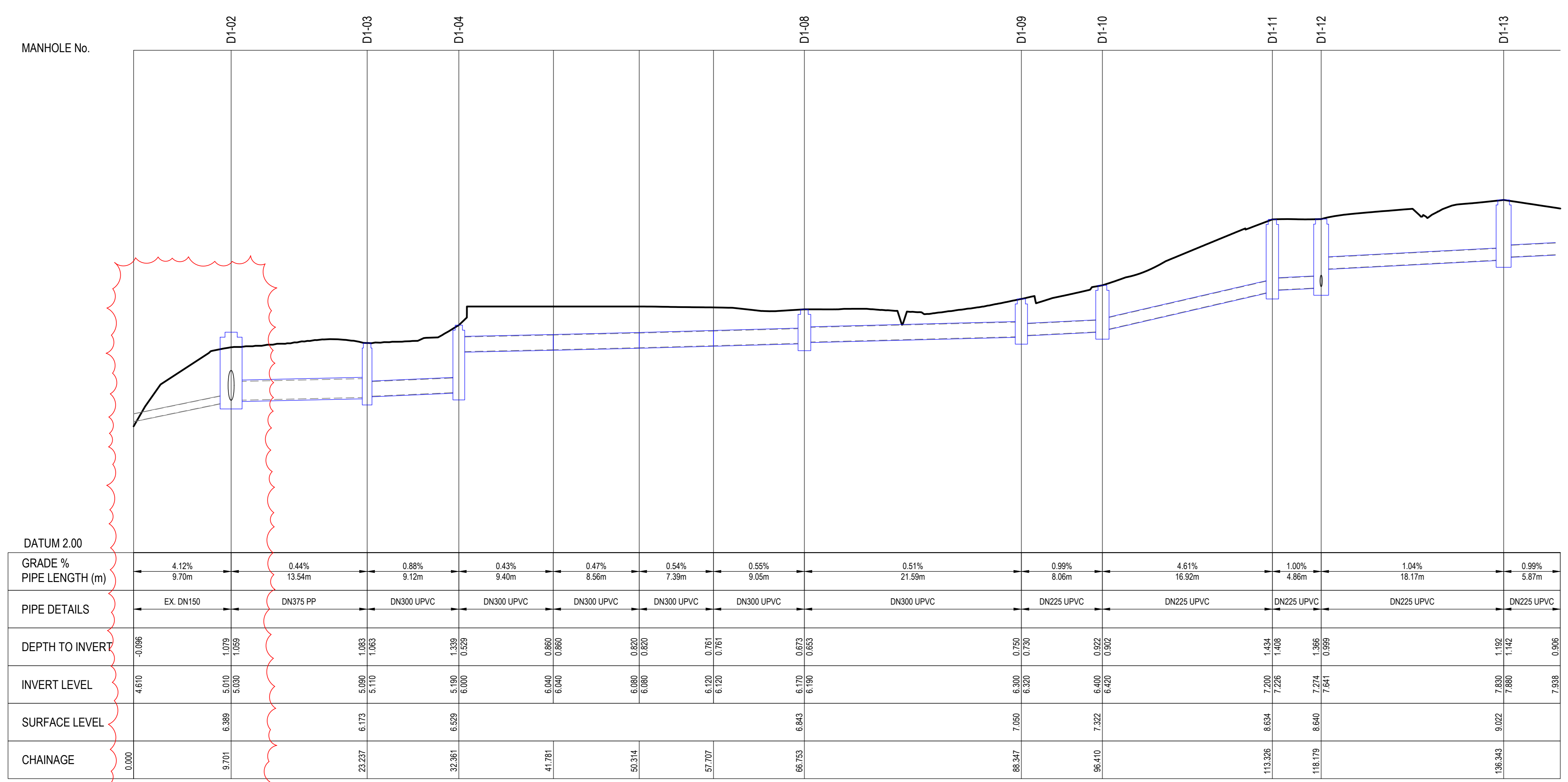
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Sheet title: DRAINAGE CATCHMENT PLAN POST DEVELOPMENT

Sheet number: CI-00204
 Revision: 01
 Status: TENDER

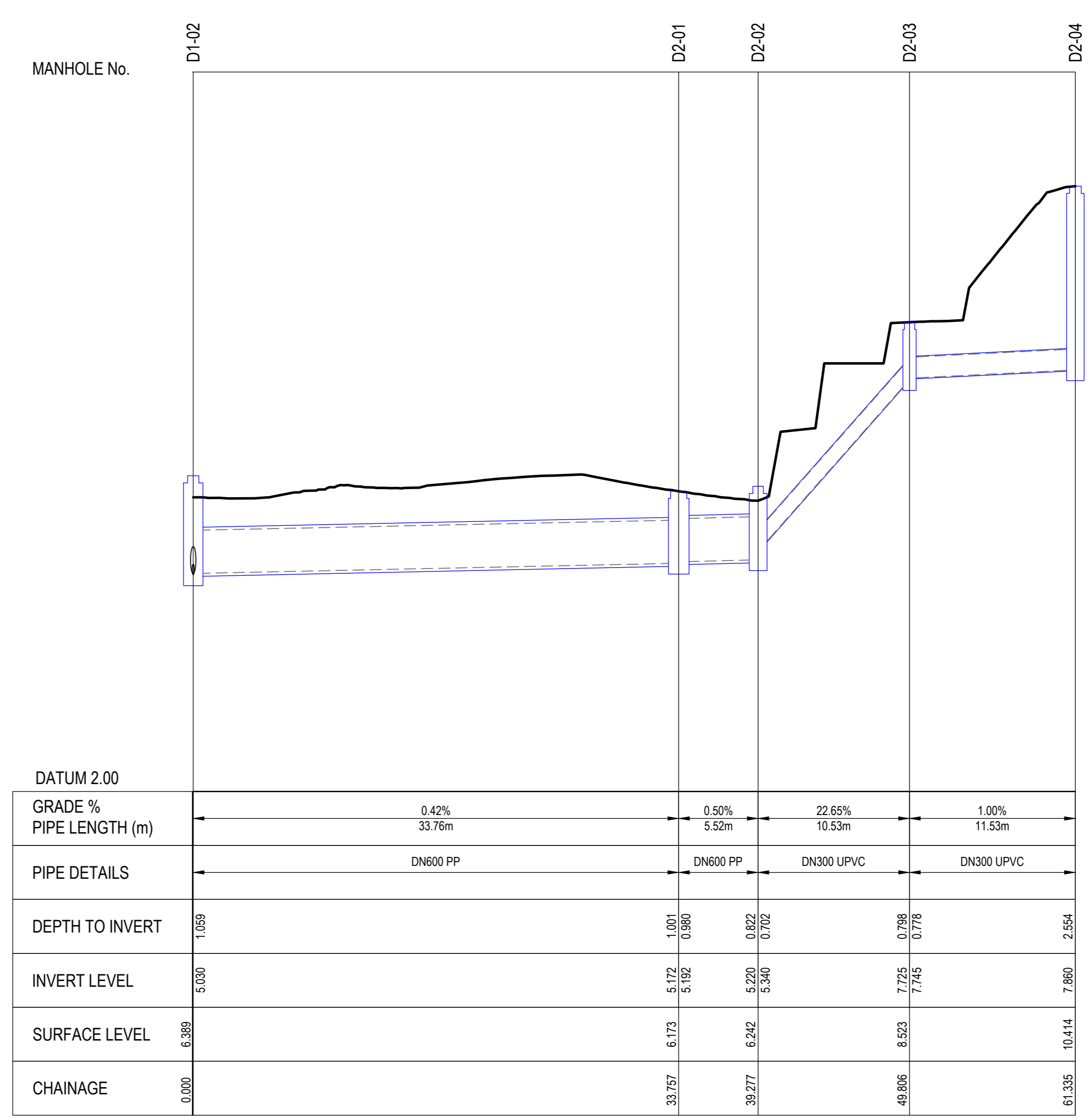
PLAN
 SCALE 1:400

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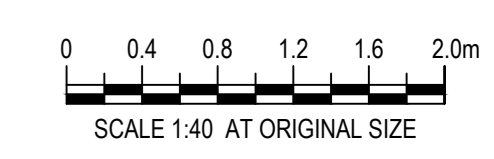


LONGITUDINAL SECTION - LINE 1
 SCALE H 1:200, V 1:40

HOLD OFFFALL DETAILS PENDING CONFIRMATION OF STORMWATER STRATEGY. REFER TO PLAN FOR FURTHER DETAILS.



LONGITUDINAL SECTION - LINE 2
 SCALE H 1:200, V 1:40



Project
 MORGAN STREET REDEVELOPMENT



Client
 WATHAURONG ABORIGINAL CO-OPERATIVE

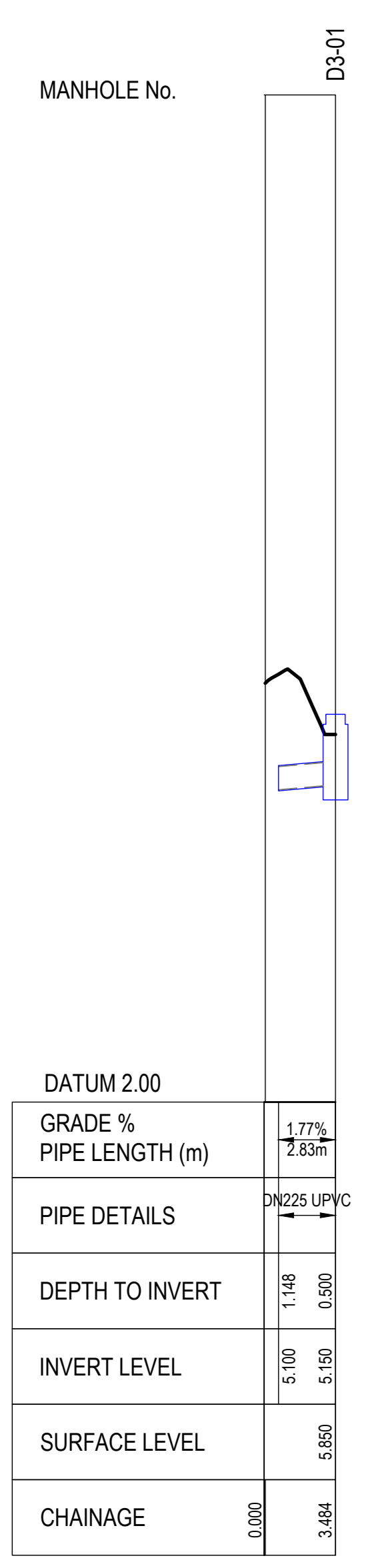


Project number
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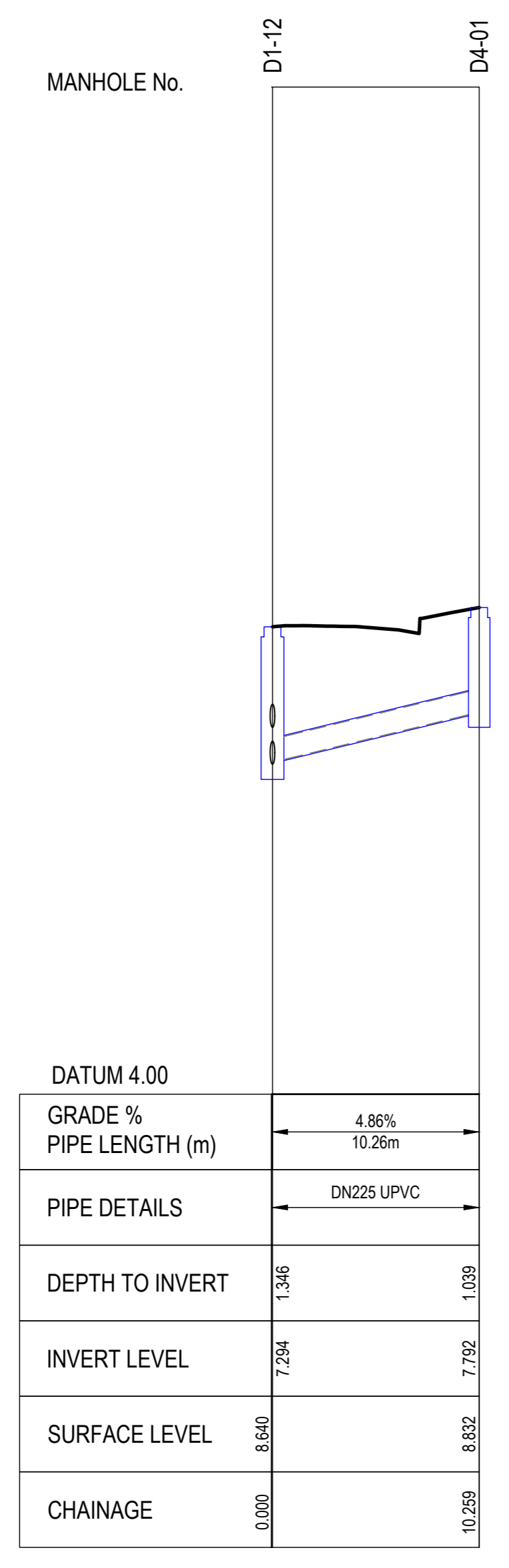
Sheet title
 DRAINAGE LONGITUDINAL SECTION SHEET 1 OF 3

Sheet number
 CI-00210
 Revision
 01
 TENDER

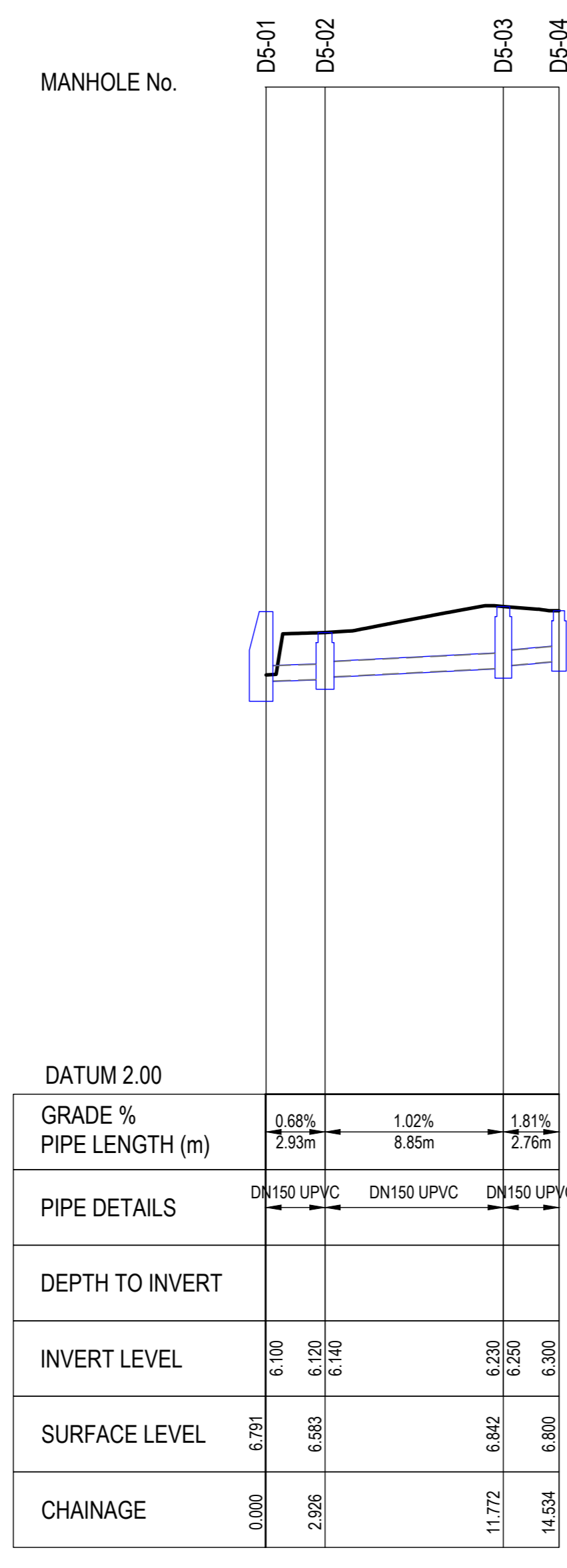
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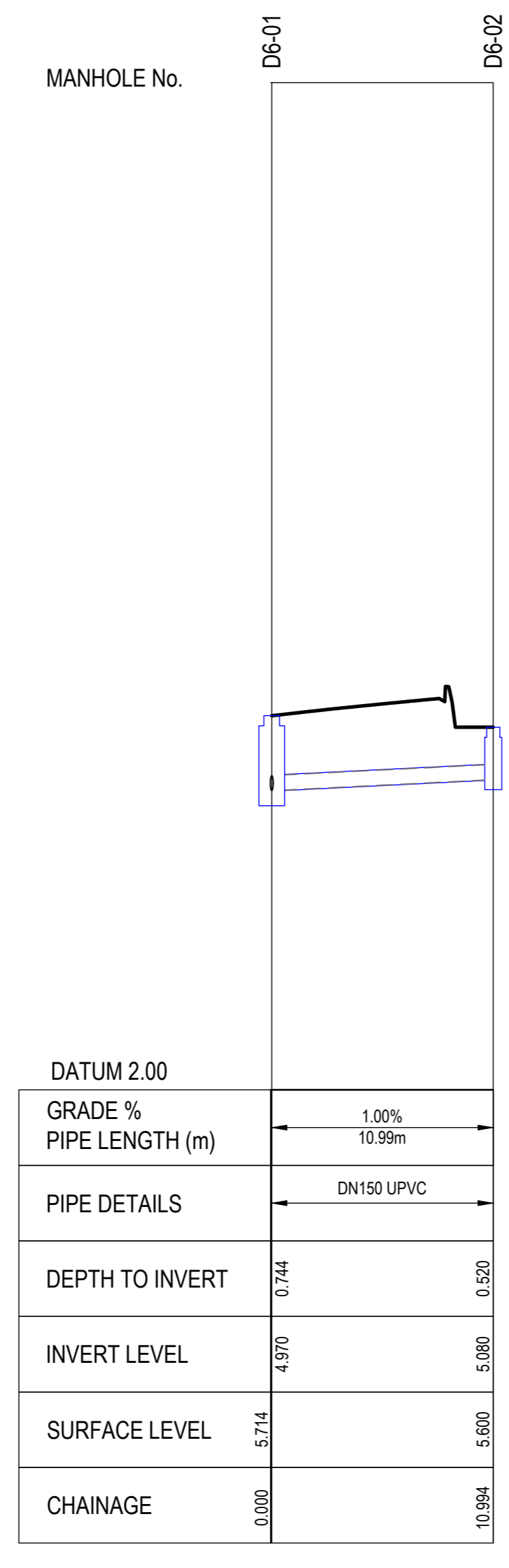
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 SCALE H 1:200, V 1:40



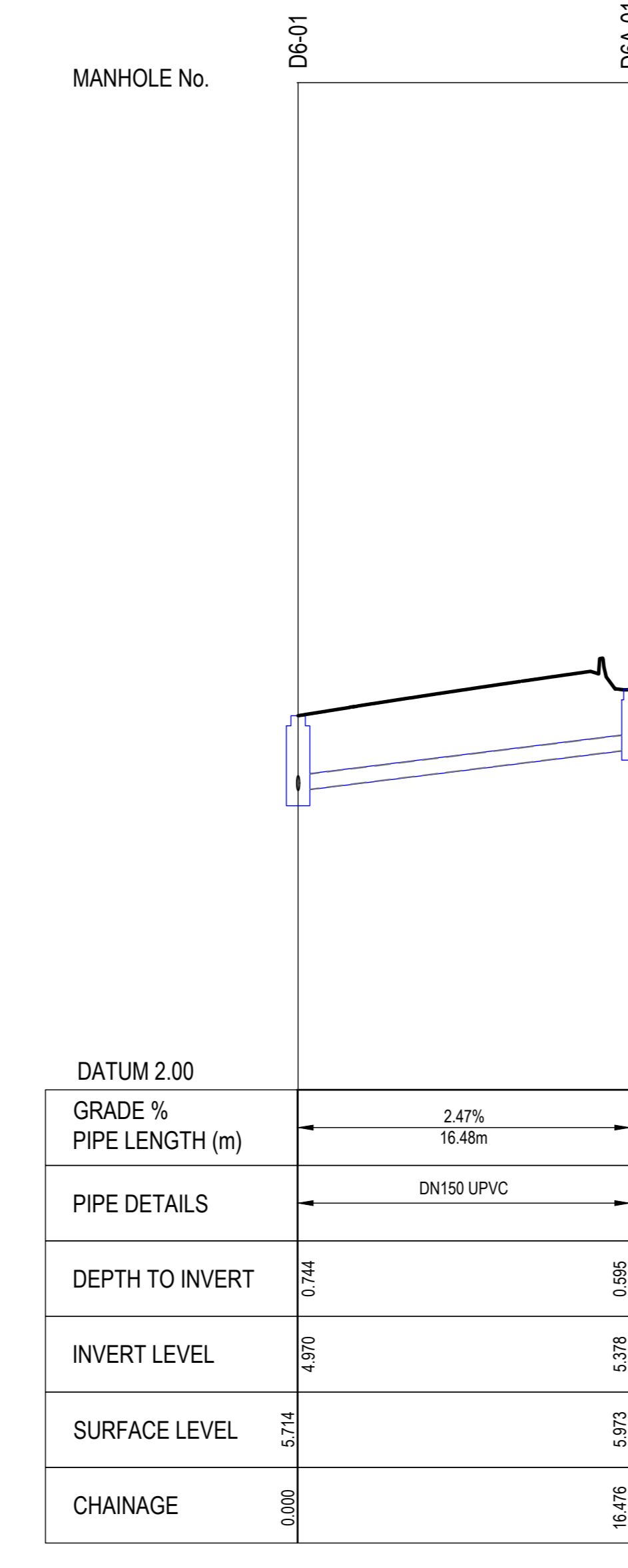
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 SCALE H 1:200, V 1:40



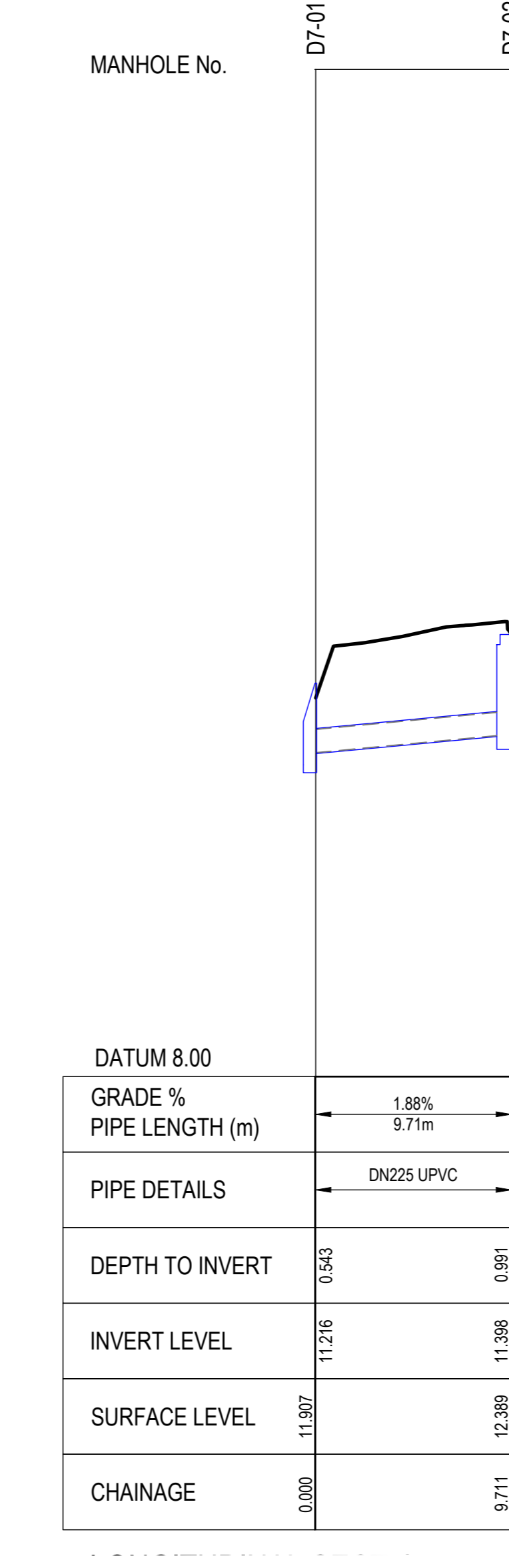
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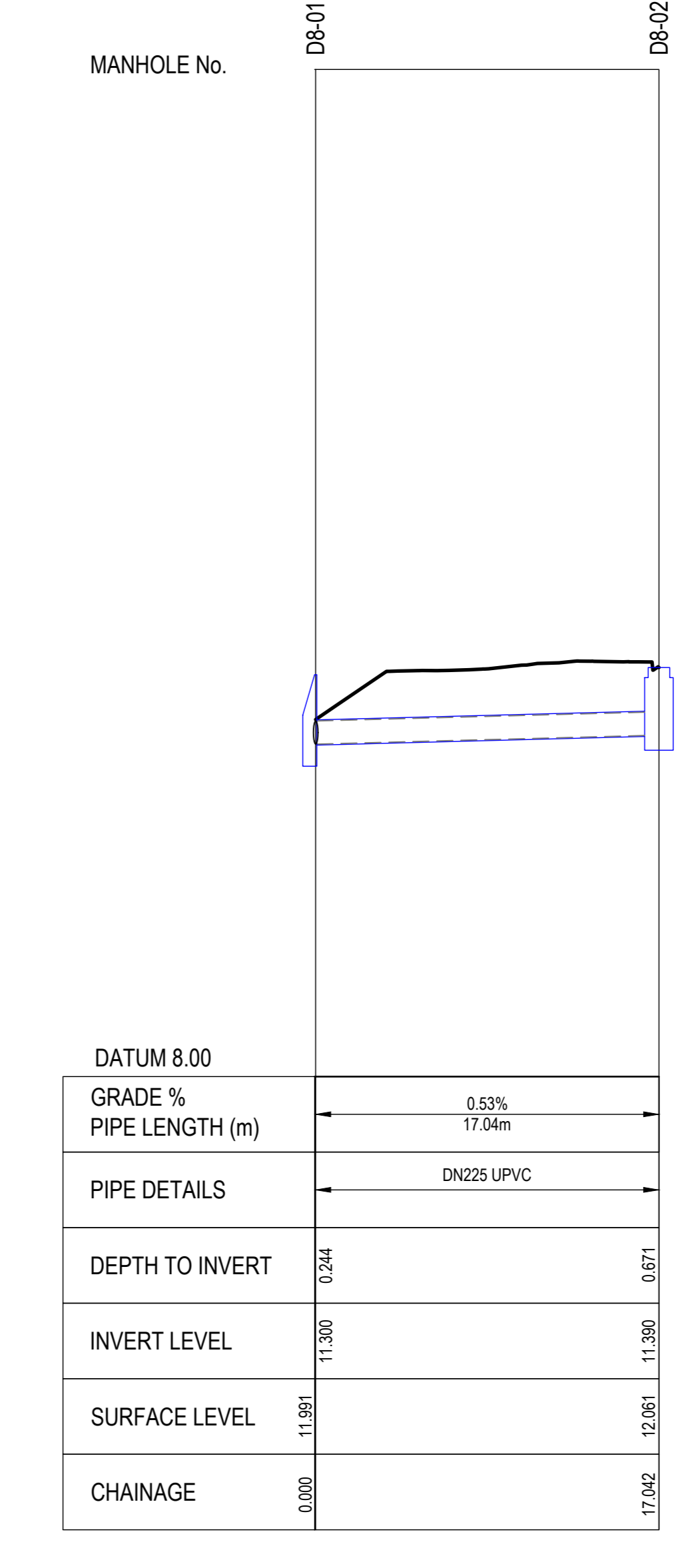
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 SCALE H 1:200, V 1:40



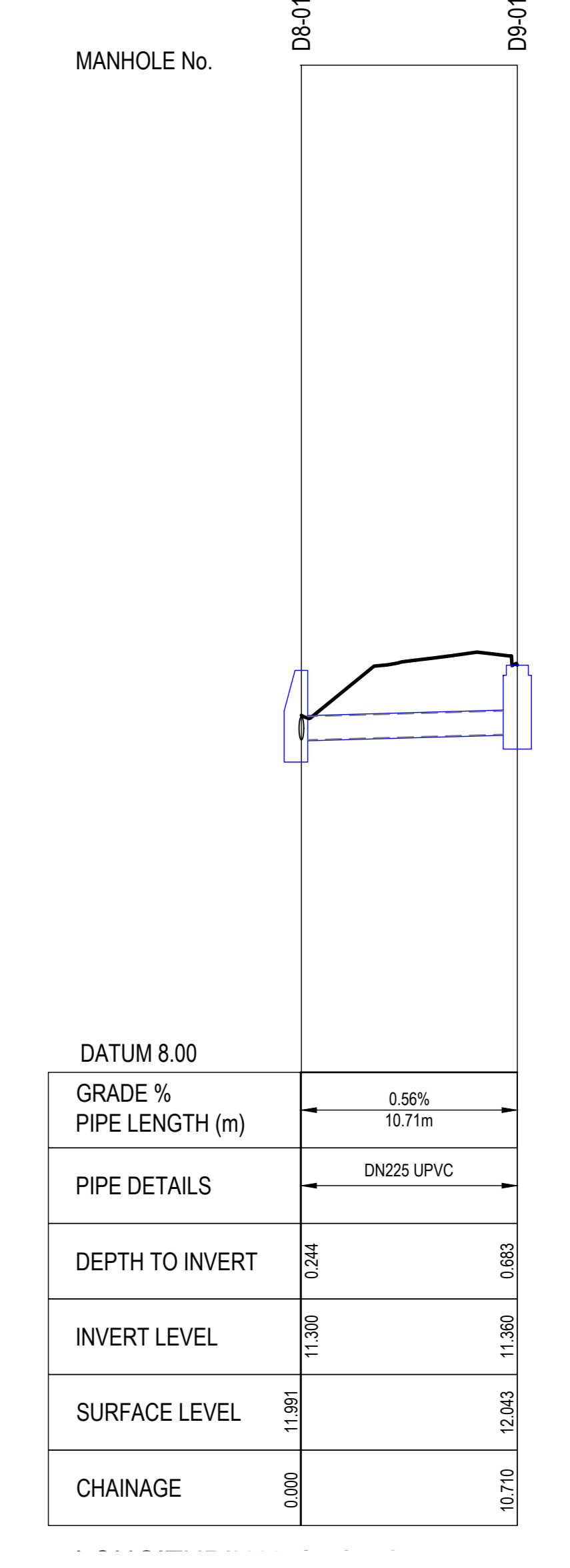
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 SCALE H 1:200, V 1:40



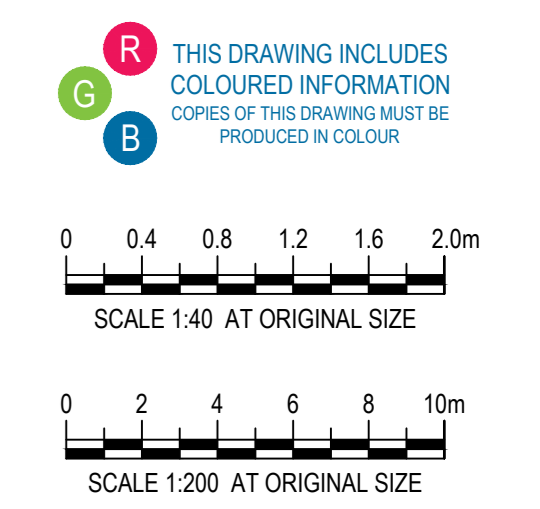
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 SCALE H 1:200, V 1:40



LONGITUDINAL SECTION - LINE 8
 SCALE H 1:200, V 1:40



LONGITUDINAL SECTION - LINE 9
 SCALE H 1:200, V 1:40



Project
MORGAN STREET REDEVELOPMENT

Client
WATHAURONG ABORIGINAL CO-OPERATIVE

Issuer
W-B WOODS BAGOT

Project number
 12613952

Size check
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Checked
 MH

Approved
 HB

Sheet size
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Scale
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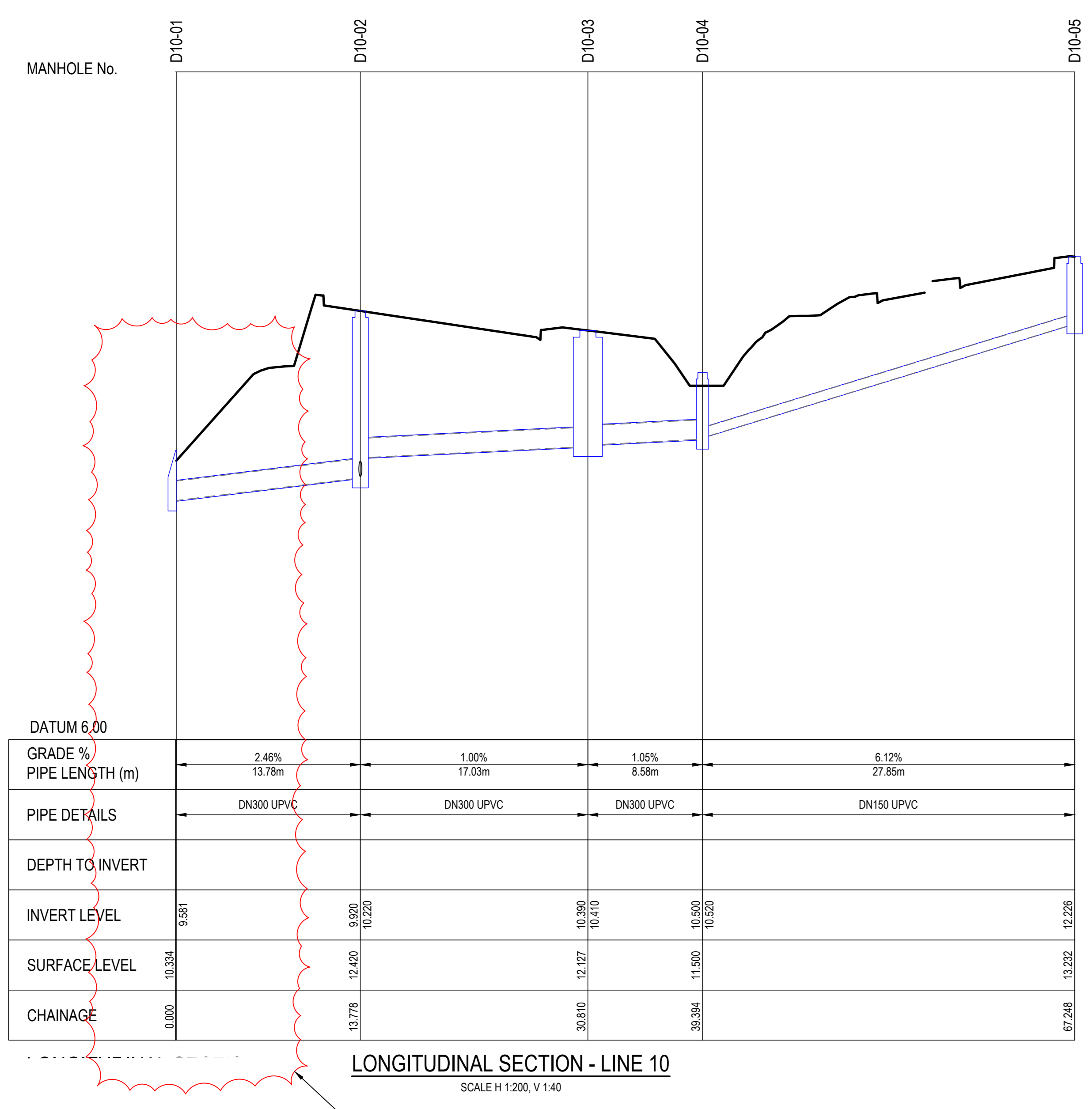
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DRAINAGE LONGITUDINAL SECTION SHEET 2 OF 3

Sheet number
 CI-00211

Revision
 01

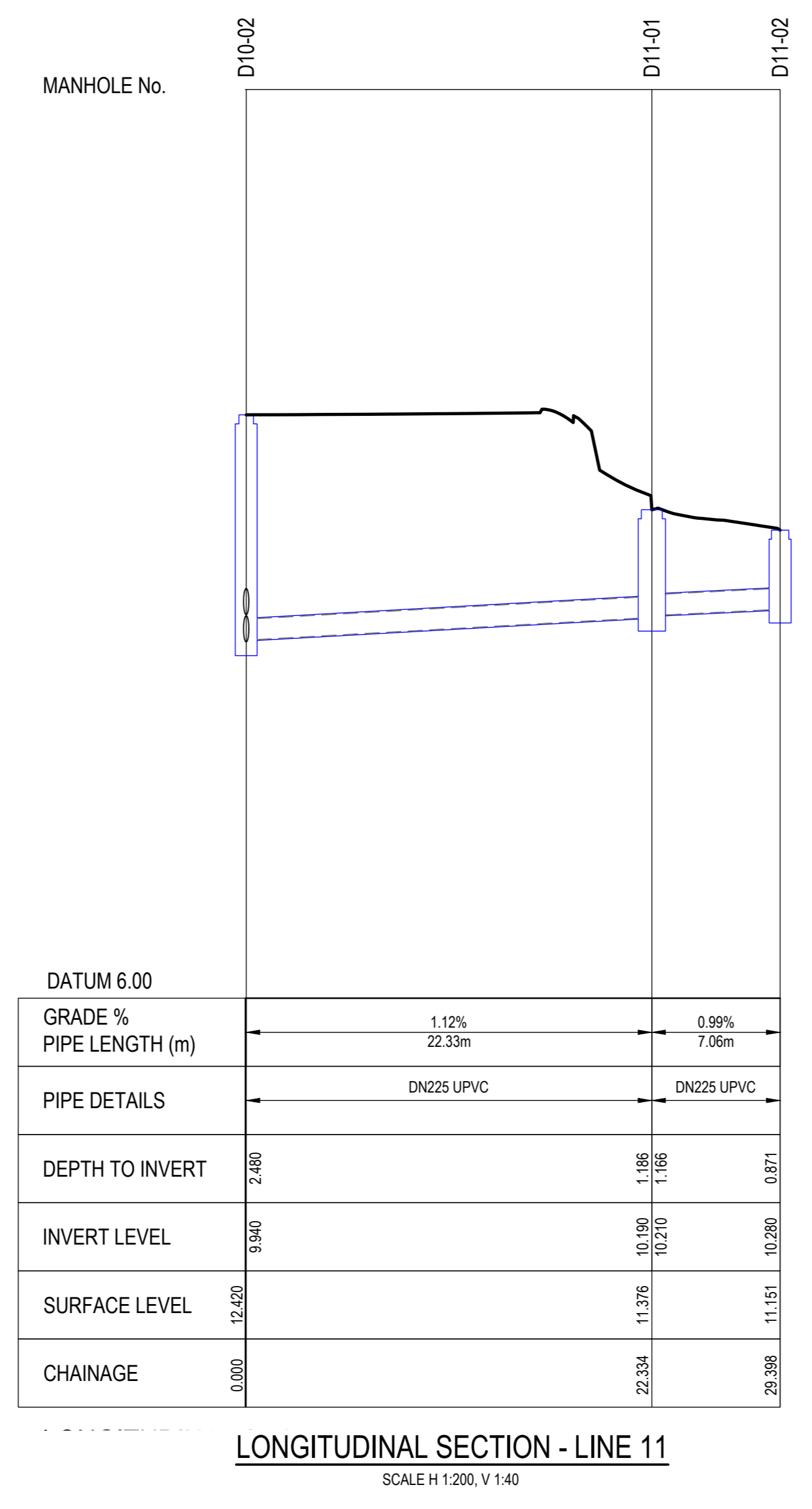
Date
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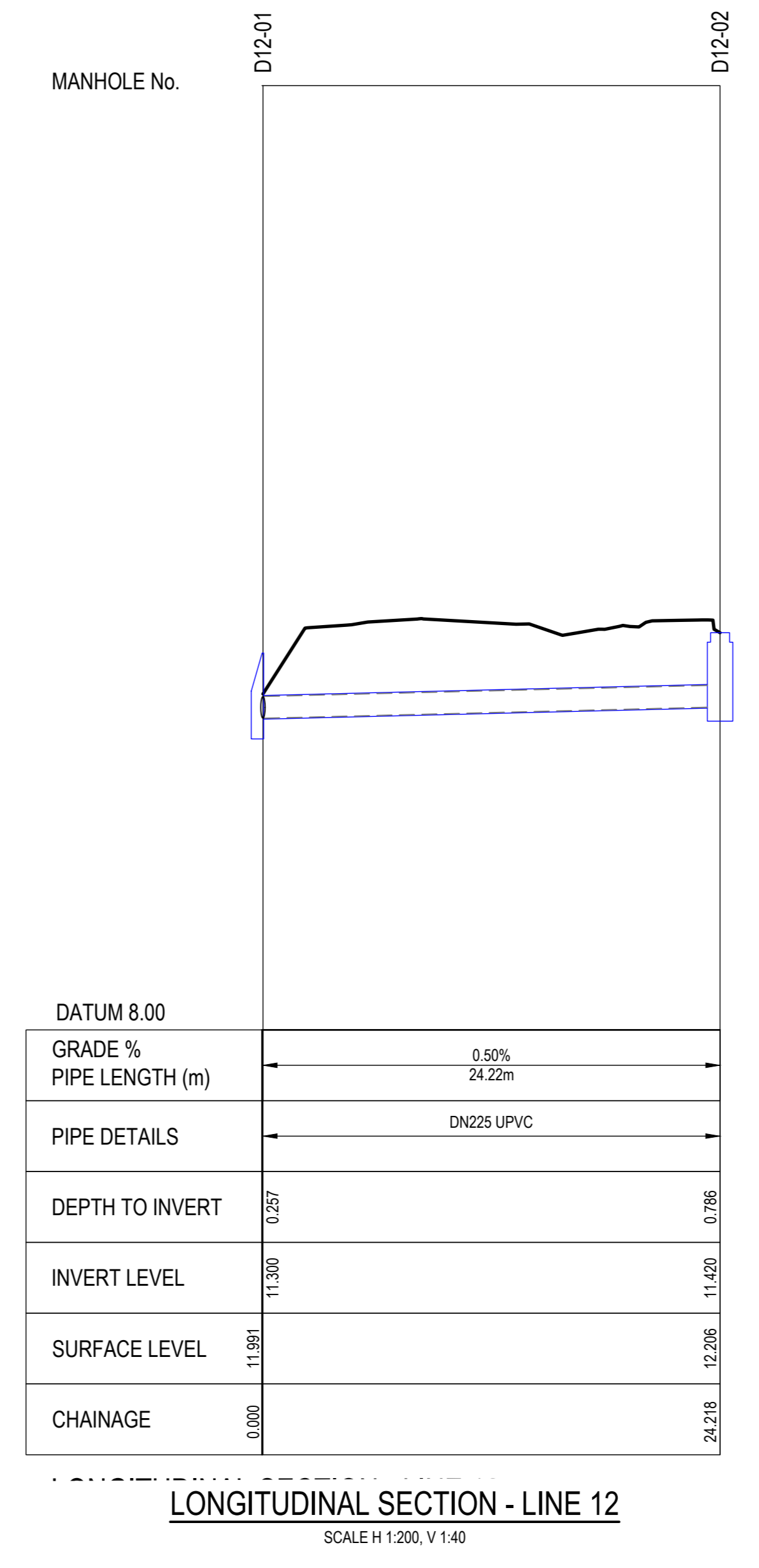


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 SCALE H 1:200, V 1:40

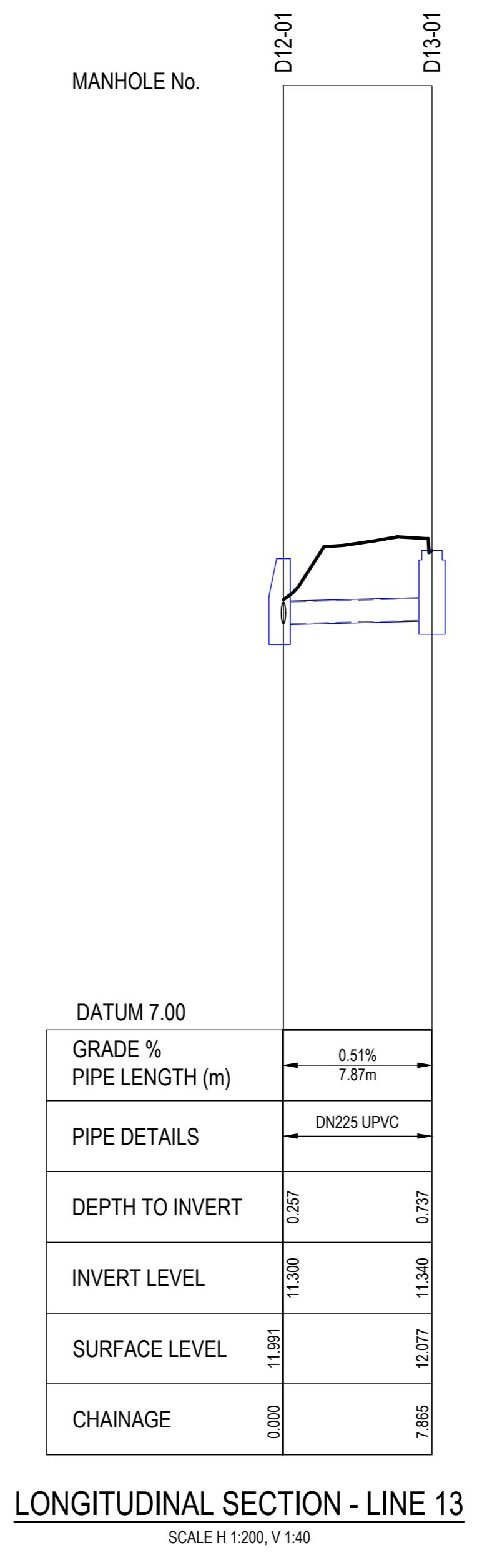
HOLD OFFFALL DETAILS PENDING CONFIRMATION OF STORMWATER STRATEGY. REFER TO PLAN FOR FURTHER DETAILS.



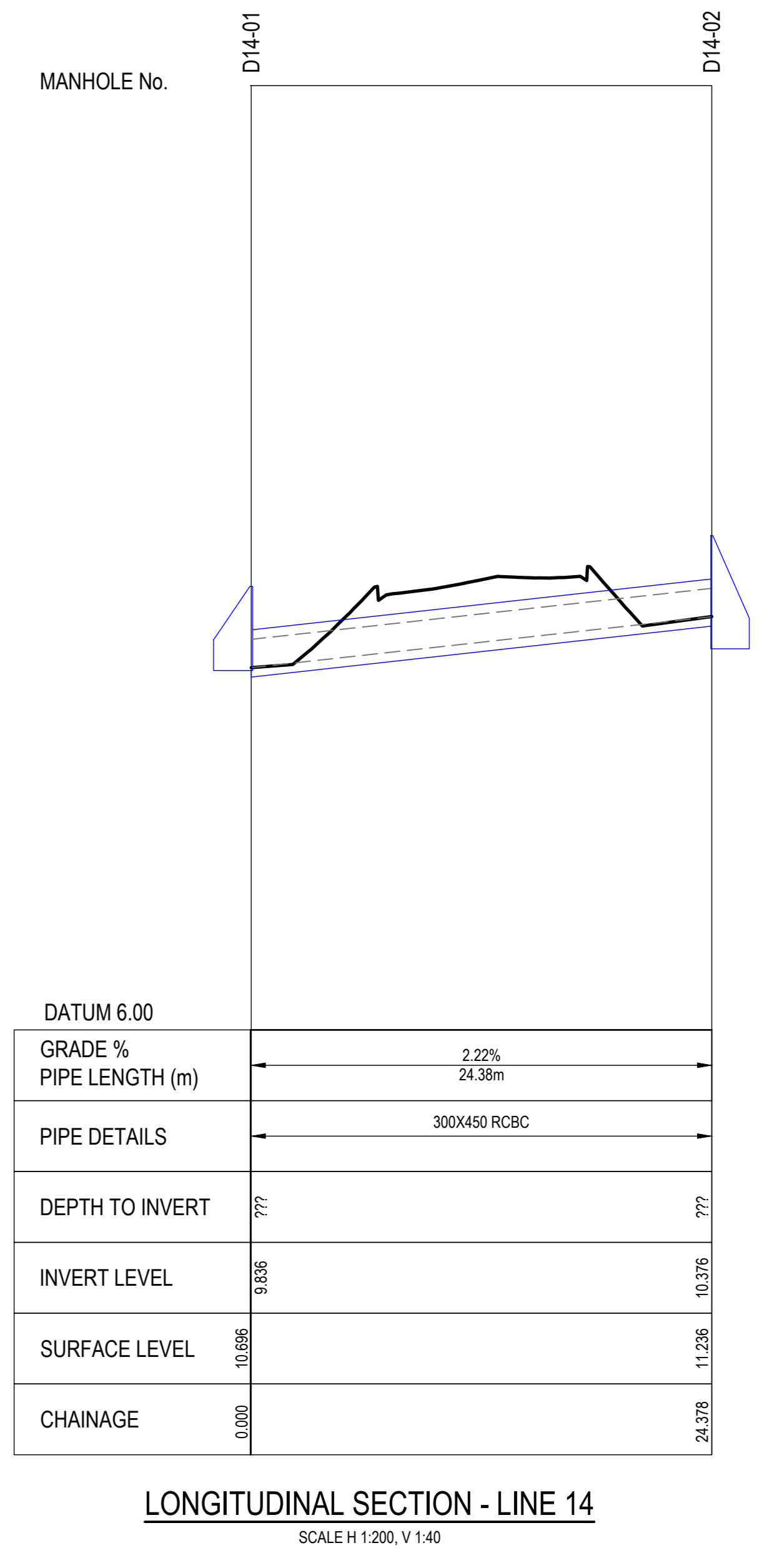
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 SCALE H 1:200, V 1:40



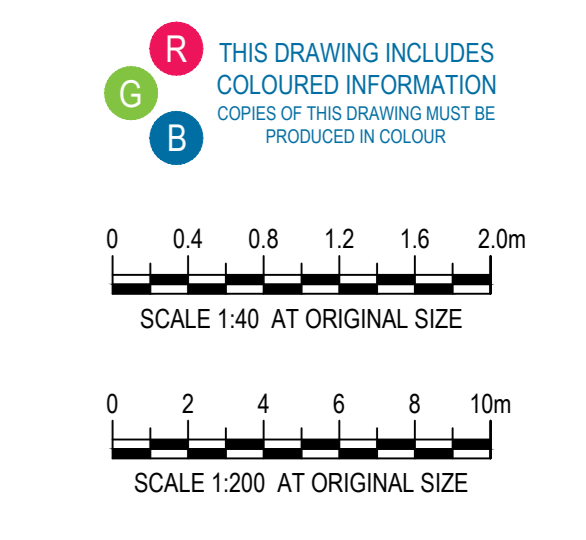
LONGITUDINAL SECTION - LINE 12
 SCALE H 1:200, V 1:40



LONGITUDINAL SECTION - LINE 13
 SCALE H 1:200, V 1:40



LONGITUDINAL SECTION - LINE 14
 SCALE H 1:200, V 1:40



Project
MORGAN STREET REDEVELOPMENT

Client
WATHAURONG ABORIGINAL CO-OPERATIVE

Issue
W-B WOODS BAGOT **GHD**

Project number
12613952

Size check
 25mm

Checked
 MH HB AO 1:250

Approved
 Sheet size

Scale
 Scale

Sheet title
DRAINAGE LONGITUDINAL SECTION SHEET 3 OF 3

Sheet number
CI-00212

Revision
01

Status
TENDER

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PIT SCHEDULE								
PIT NAME	PIT TYPE	SETOUT COORDS	PIT TOP RL (m)	PIT SUMP RL (m)	PIT DEPTH (m)	INLET (m)	OUTLET (m)	COMMENTS
D1-01	EX. OUTLET	E: 267646.582 N: 577968.426	3.772	???	0.906	FROM D1-02 EX. DN150 - IL 6.610		HOLD. REFER TO PLAN.
D1-02	900 x 900 ORIFICE PIT	E: 267646.977 N: 577976.117	6.389	5.010	1.379	FROM D2-01 DN600 PP - IL 5.030 FROM D1-03 DN375 PP - IL 5.030	TO D1-01 EX. DN150 - IL 5.010	REFER TO DETENTION AND ORIFICE PIT DETAIL ON SHEET CI-00302. REFER TO ORIFICE SCHEDULE FOR ORIFICE SIZE AND BAFFLE WALL HEIGHT.
D1-03	600 x 600 GP	E: 267633.544 N: 577970.785	6.173	5.090	1.083	FROM D1-04 DN300 uPVC - IL 5.110	TO D1-02 DN375 PP - IL 5.090	AS ID1 SD 420 (JUNCTION PIT WITH STAINLESS STEEL GRATING) DETAIL.
D1-04	600 x 600 JP	E: 267626.116 N: 577971.383	6.529	5.190	1.339	FROM DN300 uPVC - IL 6.000	TO D1-03 DN300 uPVC - IL 5.190	AS ID1 SD 420 (JUNCTION PIT) DETAIL.
D1-08	600 x 900 JP	E: 267608.748 N: 577970.022	6.843	6.170	0.673	FROM D1-09 DN300 uPVC - IL 6.190	TO DN300 uPVC - IL 6.170	AS ID1 SD 420 (JUNCTION PIT) DETAIL.
D1-09	600 x 900 JP	E: 267624.834 N: 577975.429	7.050	6.300	0.750	FROM D1-10 DN225 uPVC - IL 6.300	TO D1-08 DN300 uPVC - IL 6.300	AS ID1 SD 420 (JUNCTION PIT) DETAIL.
D1-10	600 x 900 JP	E: 267627.728 N: 577976.955	7.322	6.400	0.922	FROM D1-11 DN225 uPVC - IL 6.420	TO D1-09 DN225 uPVC - IL 6.400	AS ID1 SD 420 (JUNCTION PIT) DETAIL.
D1-11	900 x 900 JP	E: 267641.518 N: 577971.751	6.834	7.200	1.434	FROM D1-12 DN225 uPVC - IL 7.226	TO D1-10 DN225 uPVC - IL 7.200	AS ID1 SD 420 (JUNCTION PIT) DETAIL.
D1-12	600 x 900 GSEP	E: 267644.440 N: 577976.868	6.840	7.274	1.366	FROM D1-13 DN225 uPVC - IL 7.641 FROM D4-01 DN225 uPVC - IL 7.294	TO D1-11 DN225 uPVC - IL 7.274	AS ID1 SD 430 (SIDE ENTRY PIT) DETAIL.
D1-13	600 x 900 GSEP	E: 267662.243 N: 577974.224	9.022	7.830	1.192	FROM D1-14 DN225 uPVC - IL 7.880	TO D1-12 DN225 uPVC - IL 7.830	AS ID1 SD 430 (SIDE ENTRY PIT) DETAIL.
D1-14	600 x 900 GSEP	E: 267657.277 N: 577976.102	8.844	7.938	0.906		TO D1-13 DN225 uPVC - IL 7.938	AS ID1 SD 430 (SIDE ENTRY PIT) DETAIL.
D2-01	900 x 900 GP	E: 267680.484 N: 577970.016	6.173	5.172	1.001	FROM D2-02 DN600 PP - IL 5.192	TO D1-02 DN600 PP - IL 5.172	AS ID1 SD 420 (JUNCTION PIT WITH STAINLESS STEEL GRATING) DETAIL.
D2-02	600 x 900 JP	E: 267685.767 N: 577970.415	6.242	5.220	1.022	FROM D2-03 DN300 uPVC - IL 5.340	TO D2-01 DN600 PP - IL 5.220	AS ID1 SD 420 (JUNCTION PIT) DETAIL.
D2-03	600 x 600 GP	E: 267691.893 N: 577978.977	8.523	7.725	0.798	FROM D2-04 DN300 uPVC - IL 7.745	TO D2-02 DN300 uPVC - IL 7.725	AS ID1 SD 420 (JUNCTION PIT WITH STAINLESS STEEL GRATING) DETAIL.
D2-04	600 x 900 JP	E: 267698.749 N: 577978.247	10.414	7.860	2.554		TO D2-03 DN300 uPVC - IL 7.860	AS ID1 SD 420 (JUNCTION PIT) DETAIL.
D3-01	600 x 600 GP	E: 267661.345 N: 577970.063	5.850	5.150	0.700		TO DN225 uPVC - IL 5.150	AS ID1 SD 420 (JUNCTION PIT WITH STAINLESS STEEL GRATING) DETAIL.
D4-01	600 x 600 GP	E: 267651.807 N: 577970.728	6.832	7.792	1.039		TO D1-12 DN225 uPVC - IL 7.792	AS ID1 SD 420 (JUNCTION PIT WITH STAINLESS STEEL GRATING) DETAIL.
D5-01	HEADWALL	E: 267616.097 N: 577976.467	6.791	???	???	FROM D5-02 DN150 uPVC - IL 6.100		CONCRETE HEADWALL AS ID1 SD 497. REFER TO DETAIL ON SHEET CI-00302.
D5-02	450 x 450 JP	E: 267617.268 N: 577972.147	6.583	6.120	0.463	FROM D5-03 DN150 uPVC - IL 6.140	TO D5-01 DN150 uPVC - IL 6.120	ADD JUNCTION PIT TYPE AS WITH CLASS B SOLID TOP LID INSTALLED TO MANUFACTURES RECOMMENDATIONS.
D5-03	450 x 450 JP	E: 267610.832 N: 577973.216	6.842	6.230	0.612	FROM D5-04 DN150 uPVC - IL 6.250	TO D5-02 DN150 uPVC - IL 6.230	ADD GRATED PIT TYPE AS WITH CLASS B SOLID TOP LID INSTALLED TO MANUFACTURES RECOMMENDATIONS.
D5-04	450 x 450 GP	E: 267611.887 N: 577973.942	6.800	6.300	0.500		TO D5-03 DN150 uPVC - IL 6.300	ADD GRATED PIT TYPE AS WITH CLASS B STAINLESS GRATE INSTALLED TO MANUFACTURES RECOMMENDATIONS.
D6-01	600 x 600 JP	E: 267691.067 N: 577973.271	5.714	4.970	0.744	FROM D6-02 DN150 uPVC - IL 4.970 FROM D6A-01 DN150 uPVC - IL 4.970		AS ID1 SD 420 (JUNCTION PIT) DETAIL.
D6-02	450 x 450 GP	E: 267602.031 N: 577973.459	5.600	5.080	0.520		TO D6-01 DN150 uPVC - IL 5.080	ADD GRATED PIT TYPE AS WITH CLASS B STAINLESS GRATE INSTALLED TO MANUFACTURES RECOMMENDATIONS.
D6A-01	450 x 450 GP	E: 267605.344 N: 577974.444	5.973	5.373	0.599		TO D6-01 DN150 uPVC - IL 5.378	ADD GRATED PIT TYPE AS WITH CLASS B STAINLESS GRATE INSTALLED TO MANUFACTURES RECOMMENDATIONS.
D7-01	HEADWALL	E: 267729.868 N: 577989.214	11.907	???	???	FROM D7-02 DN225 uPVC - IL 11.216		CONCRETE HEADWALL AS ID1 SD 497. REFER TO DETAIL ON SHEET CI-00302.
D7-02	600 x 900 GSEP	E: 267739.480 N: 577987.595	12.389	11.398	0.991		TO D7-01 DN225 uPVC - IL 11.398	AS ID1 SD 430 (SIDE ENTRY PIT) DETAIL.
D8-01	HEADWALL	E: 267719.152 N: 577987.108	11.991	???	???	FROM D8-02 DN225 uPVC - IL 11.300 FROM D8-01 DN225 uPVC - IL 11.300		CONCRETE HEADWALL AS ID1 SD 497. REFER TO DETAIL ON SHEET CI-00302.
D8-02	600 x 900 GSEP	E: 267704.528 N: 577984.358	12.061	11.390	0.671		TO D8-01 DN225 uPVC - IL 11.390	AS ID1 SD 430 (SIDE ENTRY PIT) DETAIL.
D9-01	600 x 900 GSEP	E: 267709.320 N: 577986.355	12.043	11.360	0.683		TO D8-01 DN225 uPVC - IL 11.360	AS ID1 SD 430 (SIDE ENTRY PIT) DETAIL.
D10-01	HEADWALL	E: 267696.290 N: 577987.708	10.334	???	???	FROM D10-02 DN300 uPVC - IL 9.581		CONCRETE HEADWALL AS ID1 SD 497. REFER TO DETAIL ON SHEET CI-00302.
D10-02	900 x 900 JP	E: 267706.833 N: 577987.839	12.420	9.920	2.500	FROM D10-03 DN300 uPVC - IL 10.220 FROM D11-01 DN225 uPVC - IL 9.940	TO D10-01 DN300 uPVC - IL 9.920	AS ID1 SD 420 (JUNCTION PIT) DETAIL.
D10-03	900 x 900 ORIFICE PIT	E: 267719.818 N: 577987.817	12.127	10.300	1.737	FROM D10-04 DN300 uPVC - IL 10.410	TO D10-02 DN300 uPVC - IL 10.350	REFER TO DETENTION AND ORIFICE PIT DETAIL ON SHEET CI-00302. REFER TO ORIFICE SCHEDULE FOR ORIFICE SIZE AND BAFFLE WALL HEIGHT.
D10-04	600 x 600 GP	E: 267726.378 N: 577982.280	11.500	10.500	1.000	FROM D10-05 DN150 uPVC - IL 10.520	TO D10-03 DN300 uPVC - IL 10.500	AS ID1 SD 420 (JUNCTION PIT WITH STAINLESS STEEL GRATING) DETAIL.
D10-05	600 x 600 GP	E: 267741.974 N: 577983.202	13.232	12.226	1.006		TO D10-04 DN150 uPVC - IL 12.226	AS ID1 SD 420 (JUNCTION PIT WITH STAINLESS STEEL GRATING) DETAIL.
D11-01	600 x 900 GSEP	E: 267721.275 N: 577985.876	11.376	10.190	1.186	FROM D11-02 DN225 uPVC - IL 10.210	TO D10-02 DN225 uPVC - IL 10.190	AS ID1 SD 430 (SIDE ENTRY PIT) DETAIL.
D11-02	600 x 900 GSEP	E: 267726.390 N: 577990.747	11.151	10.280	0.871		TO D11-01 DN225 uPVC - IL 10.280	AS ID1 SD 430 (SIDE ENTRY PIT) DETAIL. MODIFIED TO ACCEPT WSUD FEATURE FLOWS AT REAR.
D12-01	HEADWALL	E: 267729.035 N: 577987.085	11.991	???	???	FROM D12-02 DN225 uPVC - IL 11.300 FROM D13-01 DN225 uPVC - IL 11.300		CONCRETE HEADWALL AS ID1 SD 497. REFER TO DETAIL ON SHEET CI-00302.
D12-02	600 x 900 GSEP	E: 267744.138 N: 577989.016	12.206	11.420	0.786		TO D12-01 DN225 uPVC - IL 11.420	AS ID1 SD 430 (SIDE ENTRY PIT) DETAIL.
D13-01	600 x 900 GSEP	E: 267724.848 N: 577987.744	12.077	11.340	0.737		TO D12-01 DN225 uPVC - IL 11.340	AS ID1 SD 430 (SIDE ENTRY PIT) DETAIL.
D14-01	DRIVABLE HEADWALL	E: 267705.480 N: 577990.021	10.696	???	???	FROM D14-02 300x450 RCBC - IL 9.836		DRIVABLE CULVERT ENDWALL AS VICROADS SD 1991 A REFER TO DETAIL ON SHEET CI-00302.
D14-02	DRIVABLE HEADWALL	E: 267725.065 N: 577994.537	11.236	???	???		TO D14-01 300x450 RCBC - IL 10.376	DRIVABLE CULVERT ENDWALL AS VICROADS SD 1991 A REFER TO DETAIL ON SHEET CI-00302.

ONSITE DETENTION AND ORIFICE PIT SCHEDULE					
PIT REF.	ORIFICE	RESTRICTED FLOW RATE	OVERFLOW	INLET	OUTLET
D1-02	TBCmm DIA AT IL 5.02m	TBC L/S	WEIR AT RL 6.05m (MIN)	375mm DIA AT 5.03mAHD 600mm DIA AT 5.03mAHD	375mm DIA AT IL 5.01mAHD
D10-03	TBCmm DIA AT IL 10.40m	TBC L/S	WEIR AT RL 11.85m (MIN)	300mm DIA AT 10.40mAHD	300mm DIA AT IL 10.39mAHD
ORIFICE TO BE CORED OR CAST INTO BAFFLE WALL					

HOLD. FINAL RESTRICTED FLOW RATES AND ORIFICE SIZES YET TO BE CONFIRMED, PENDING FURTHER CONSULTATION ON SITE STORMWATER STRATEGY WITH CoGG.

Project
**MORGAN STREET
 REDEVELOPMENT**



Client
**WATHAURONG ABORIGINAL
 CO-OPERATIVE**



Project number
12613952

Size check
 25mm

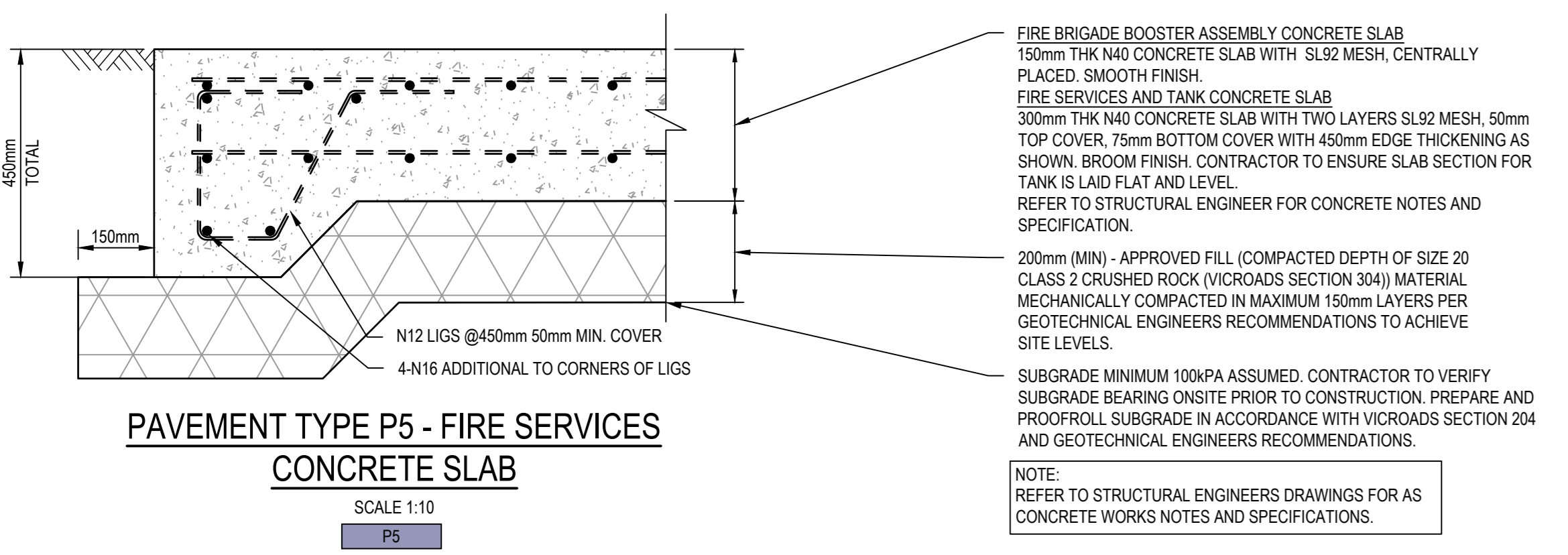
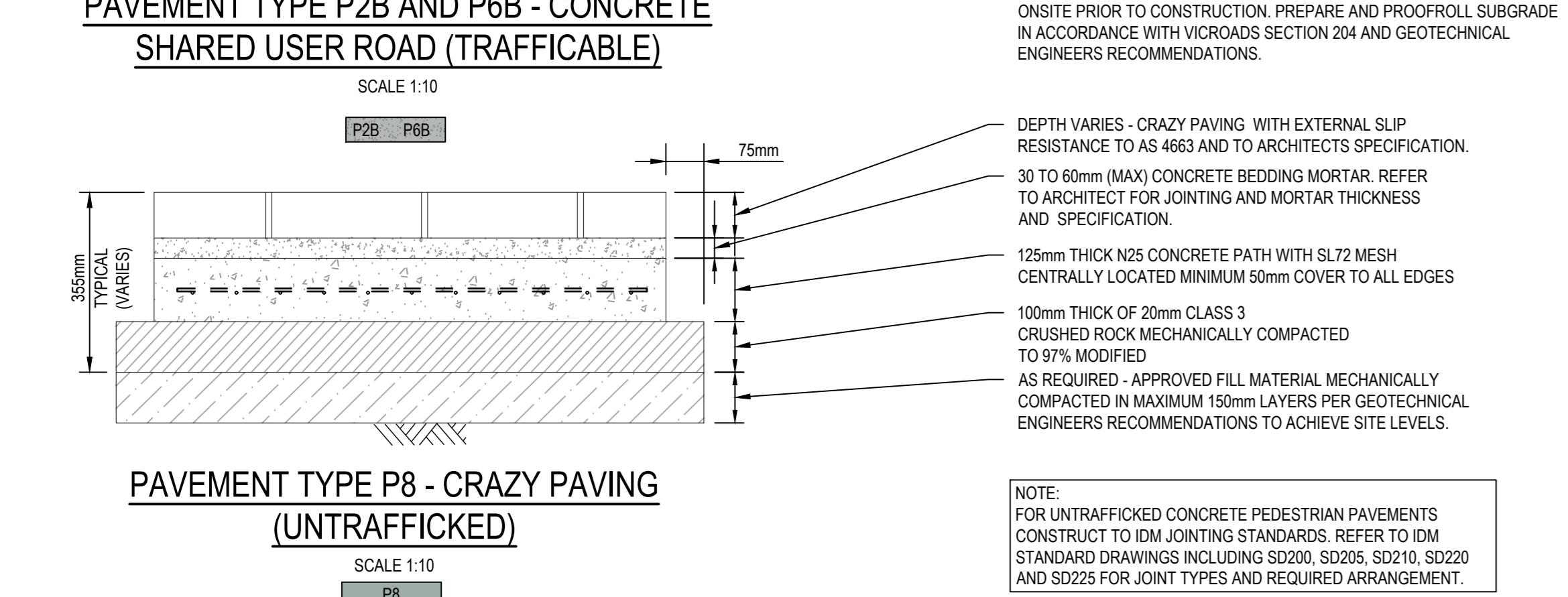
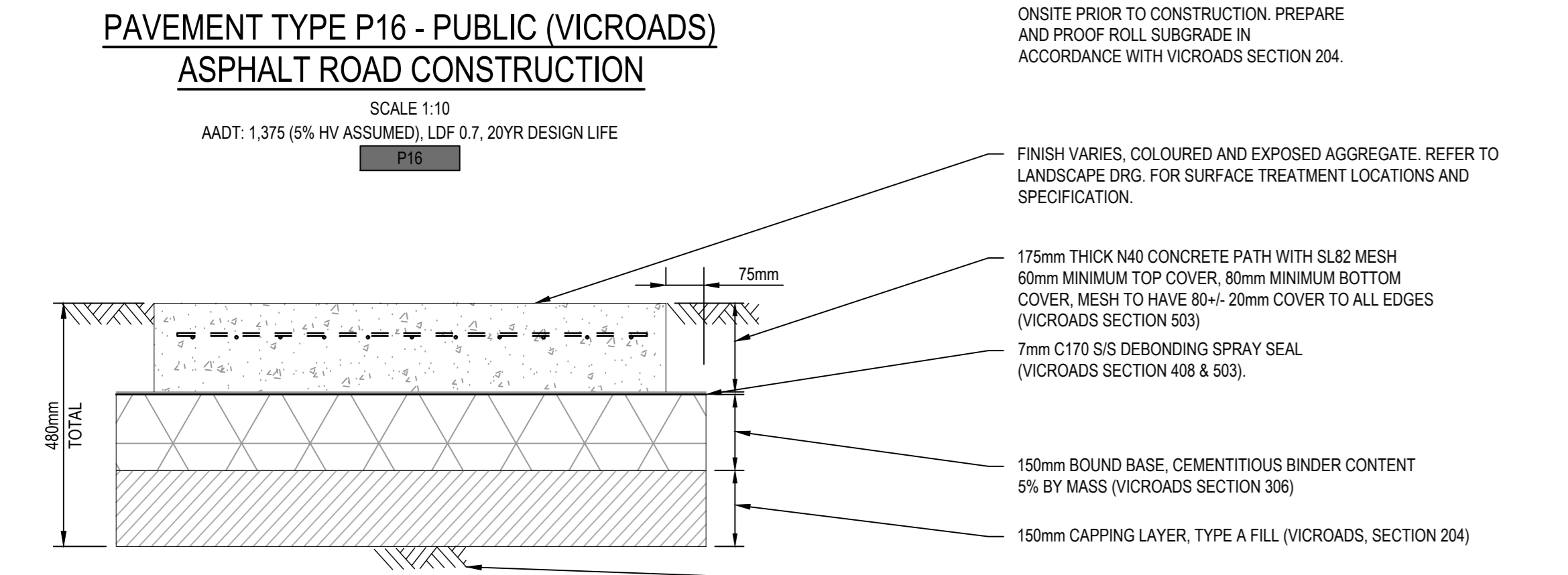
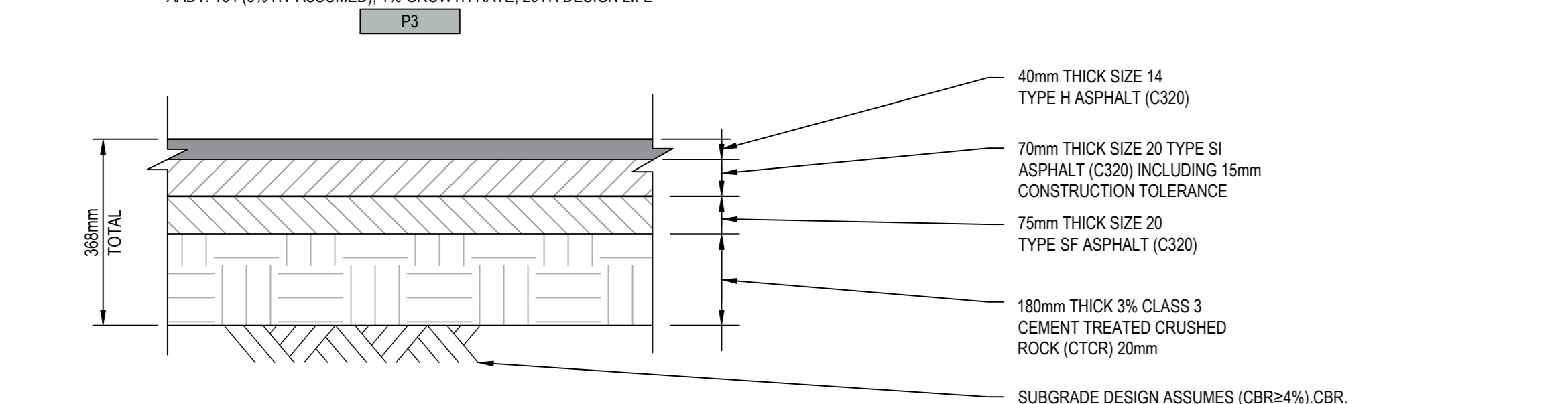
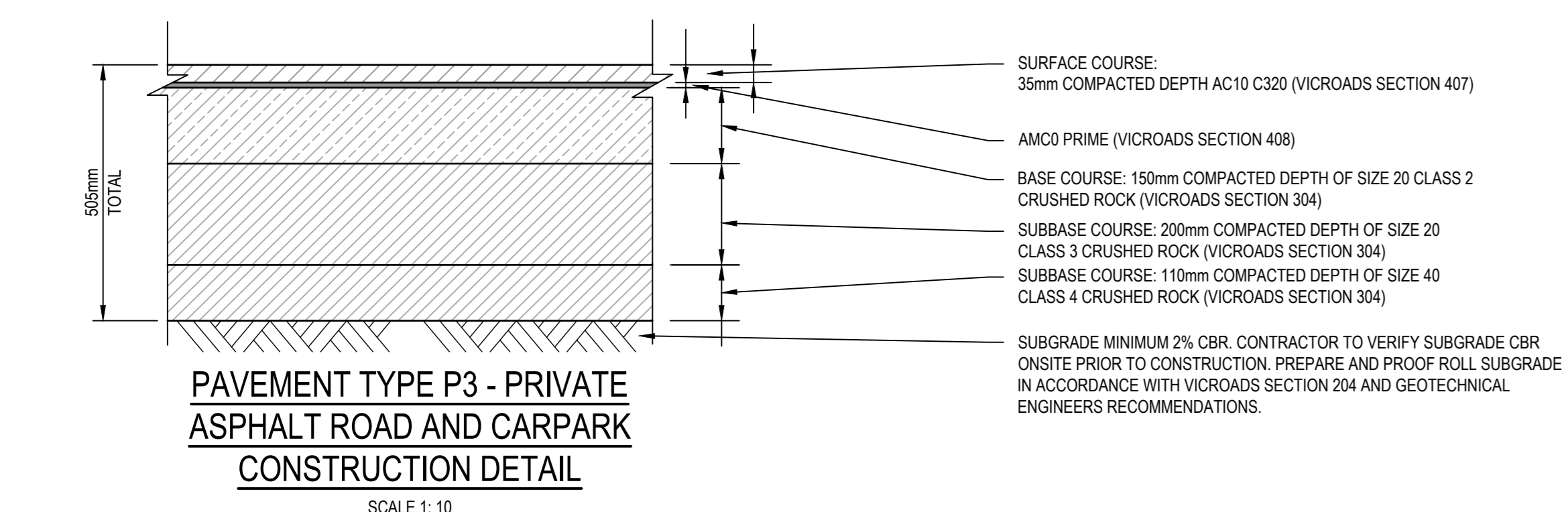
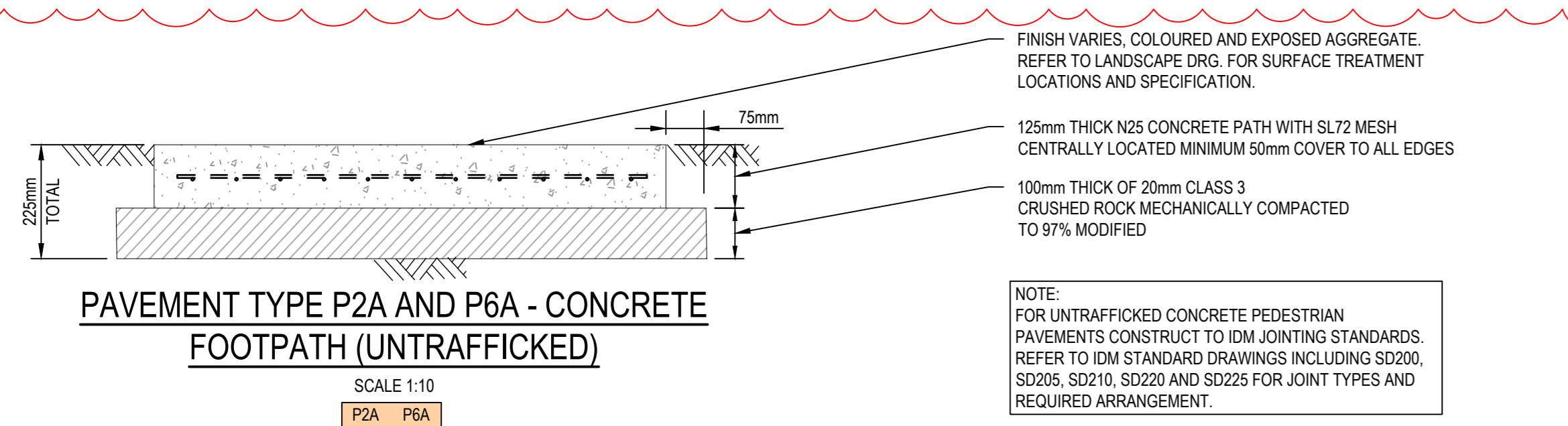
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Sheet title
DRAINAGE PIT SCHEDULE

Sheet number
CI-00213

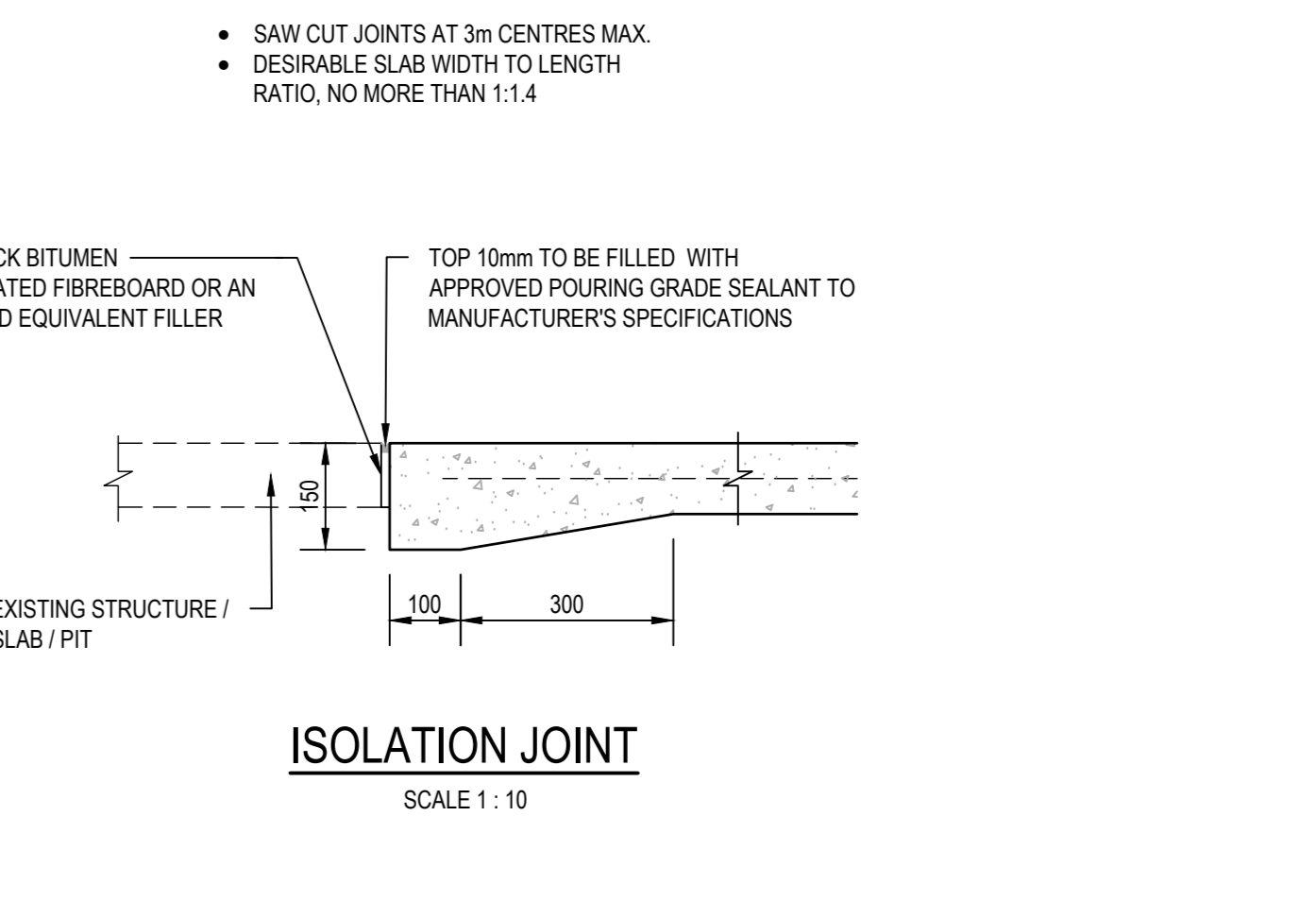
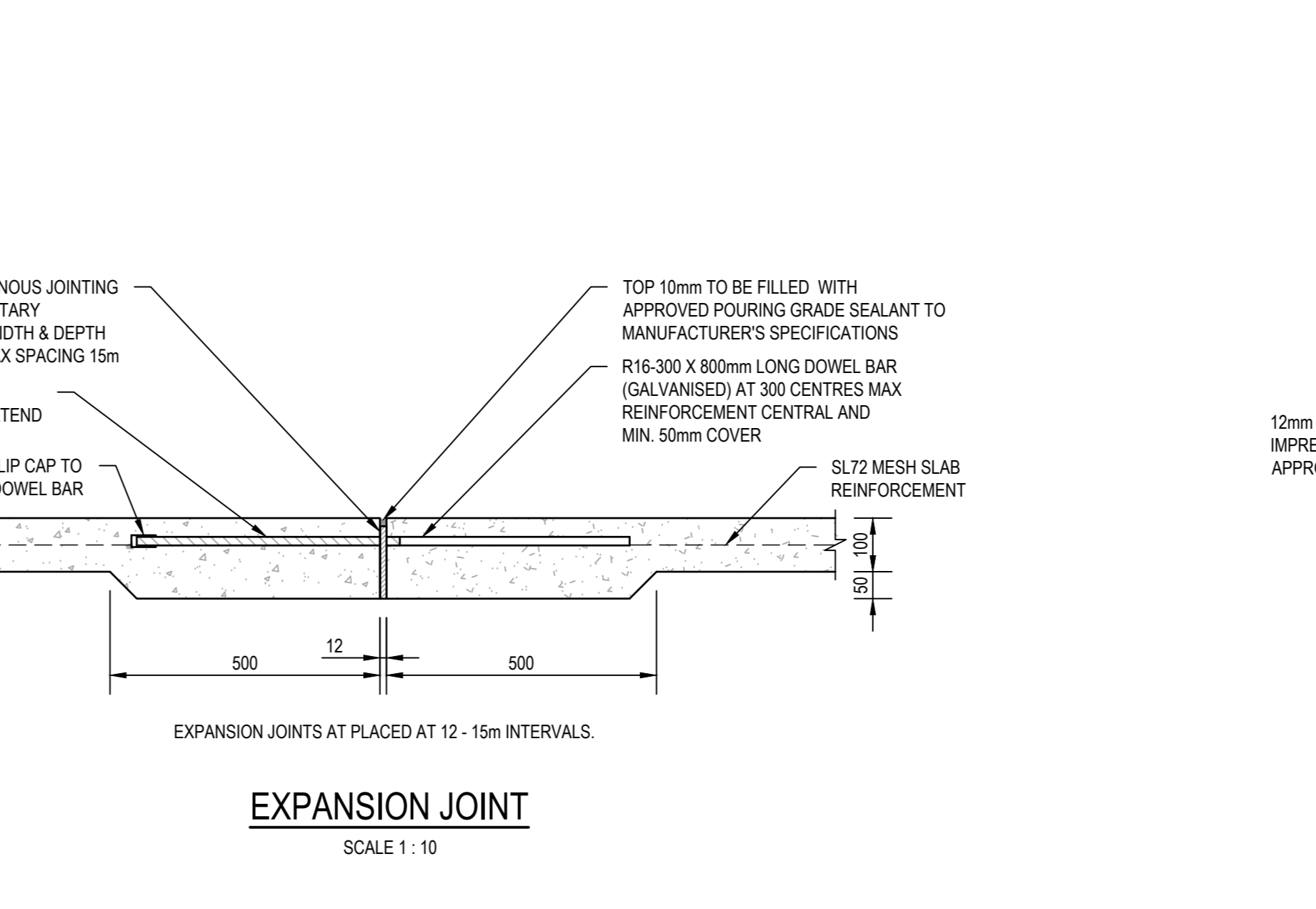
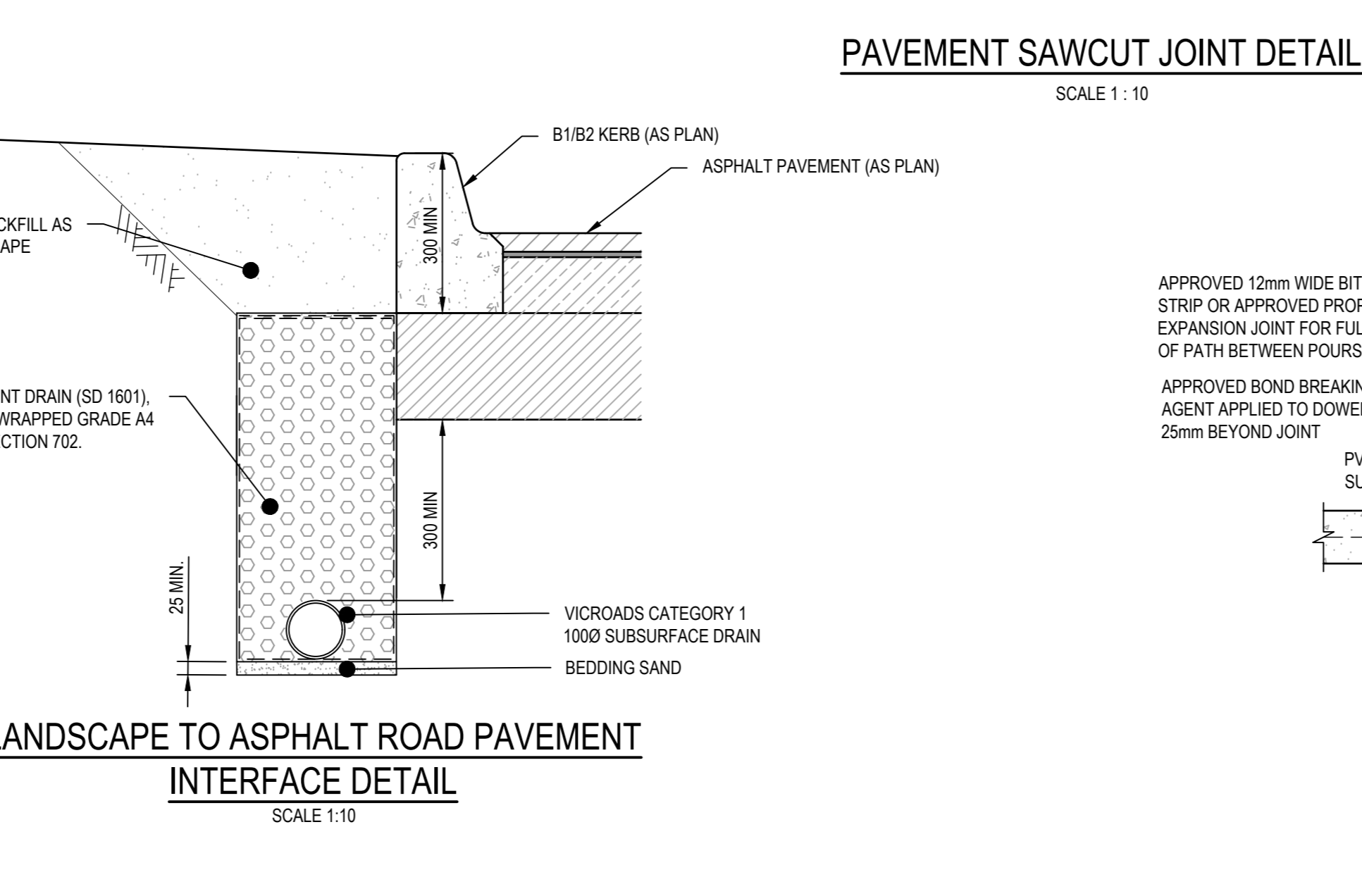
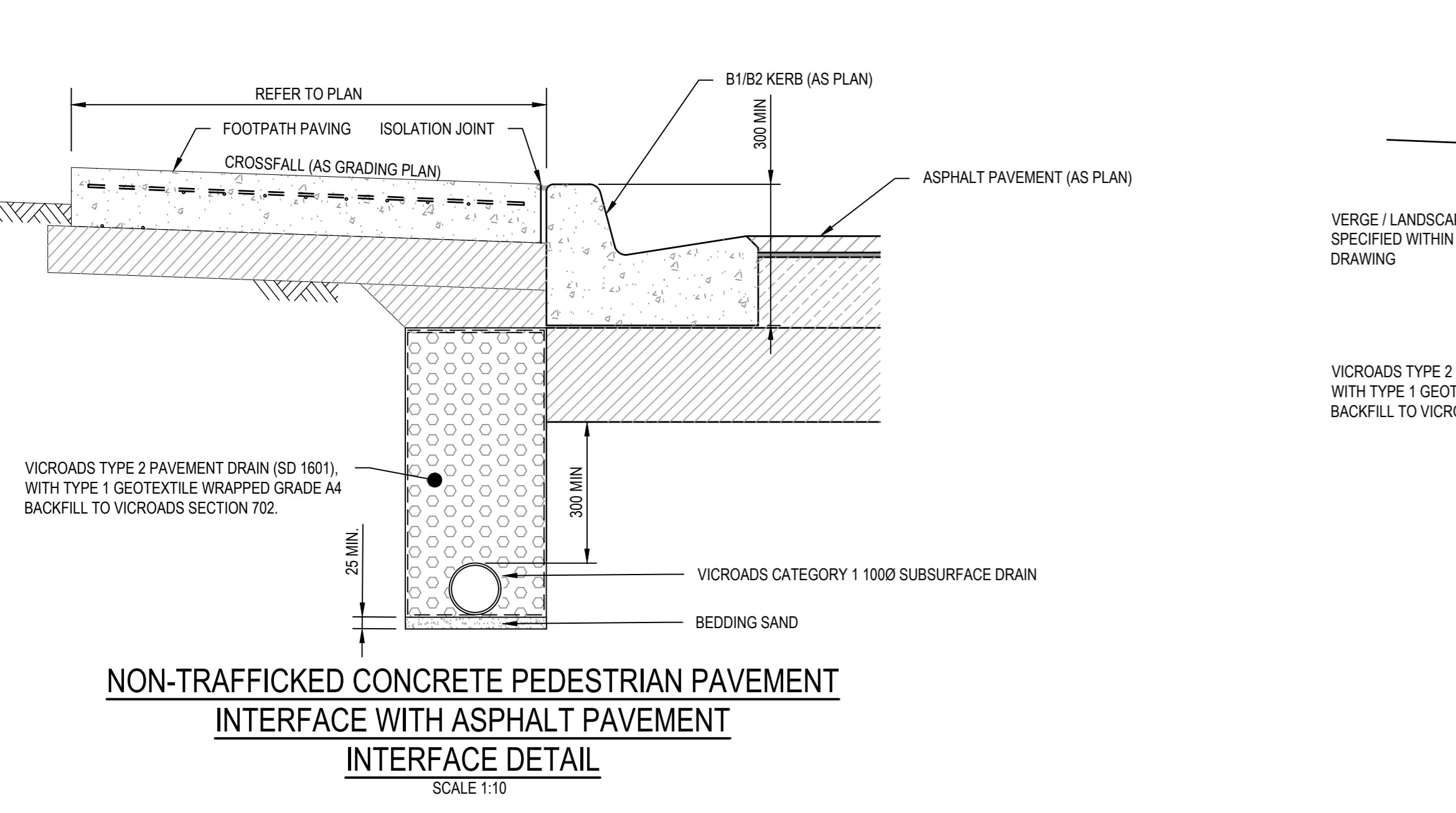
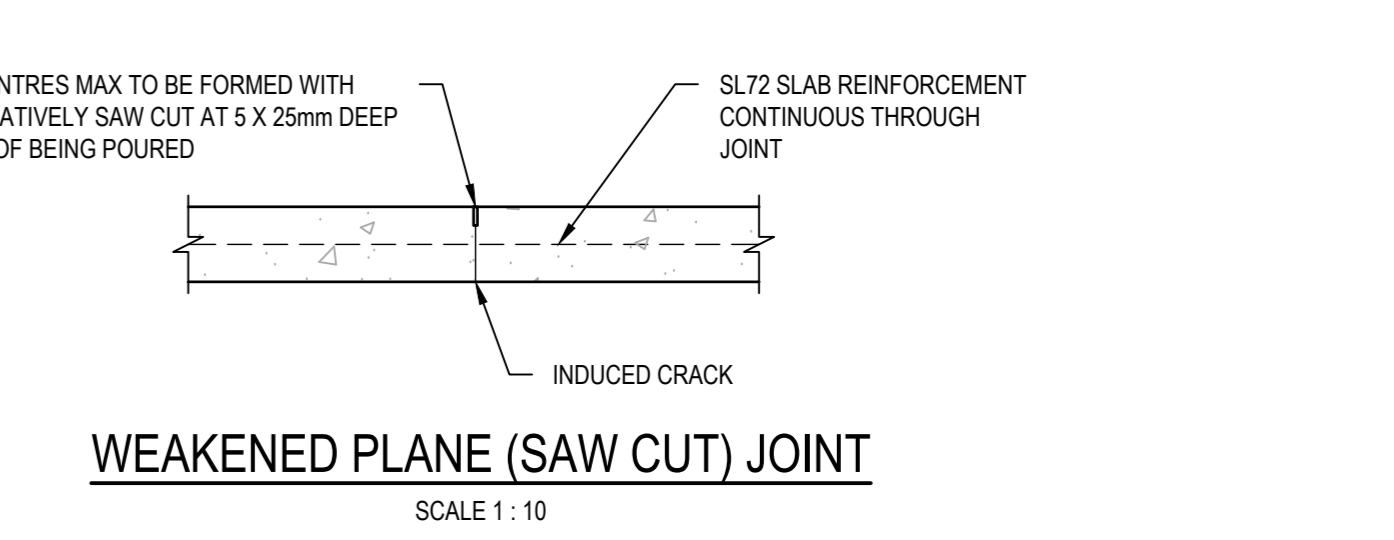
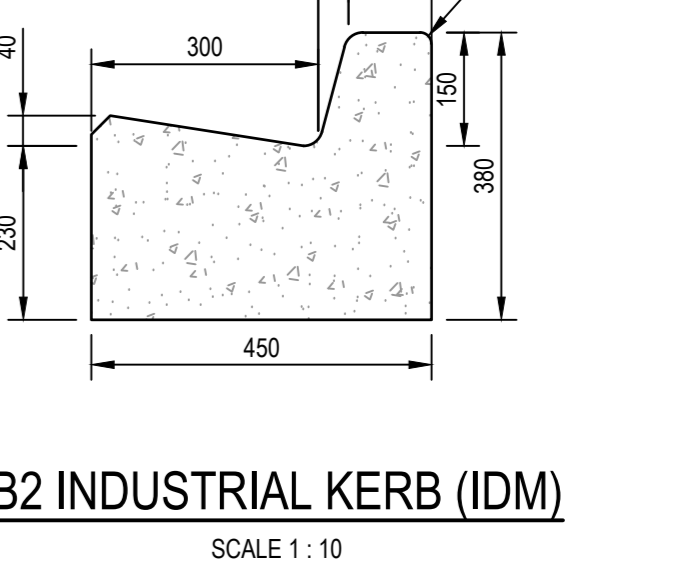
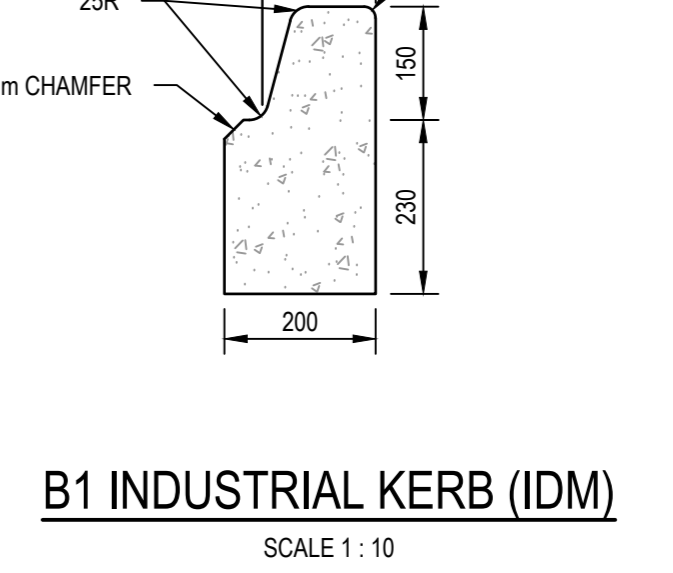
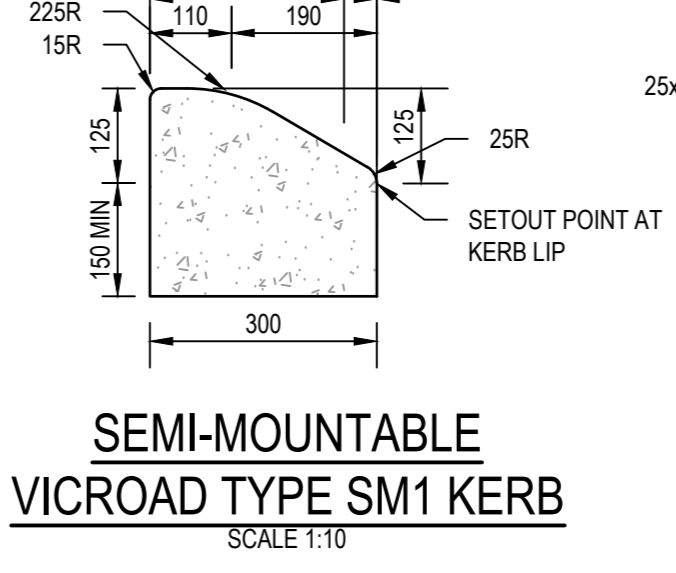
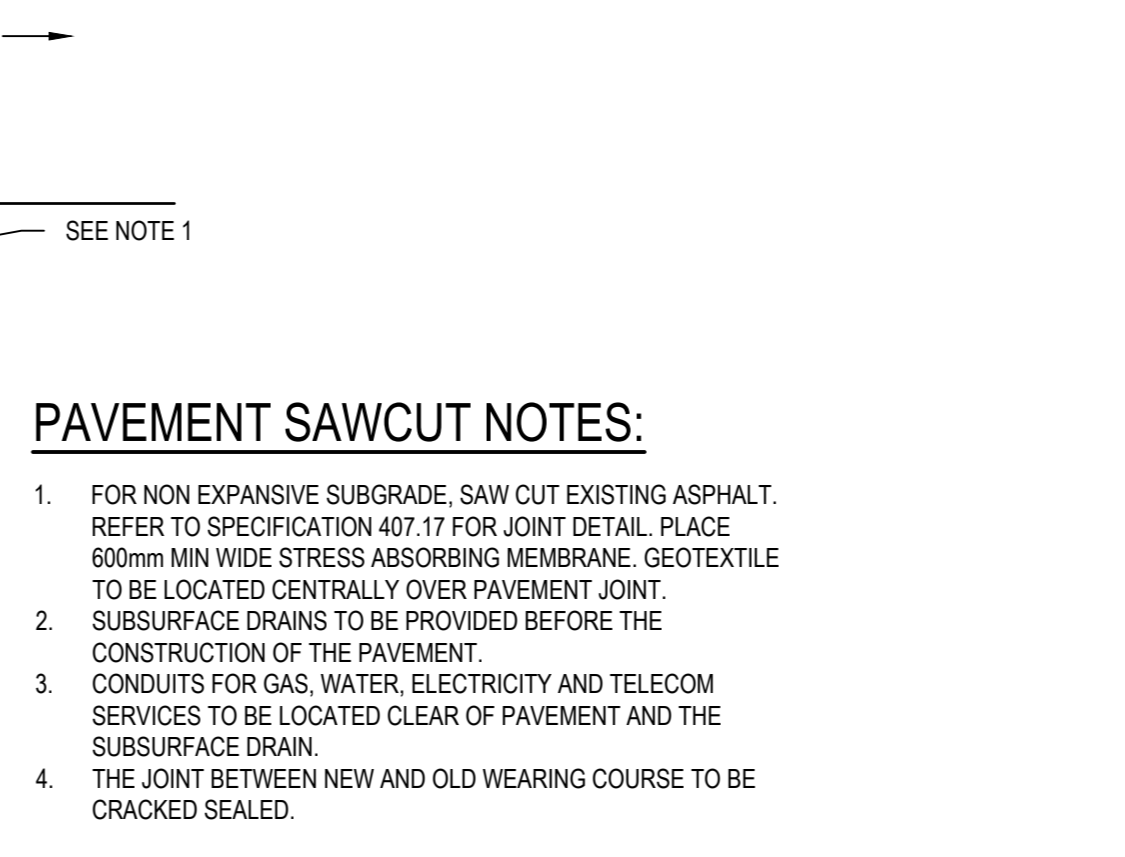
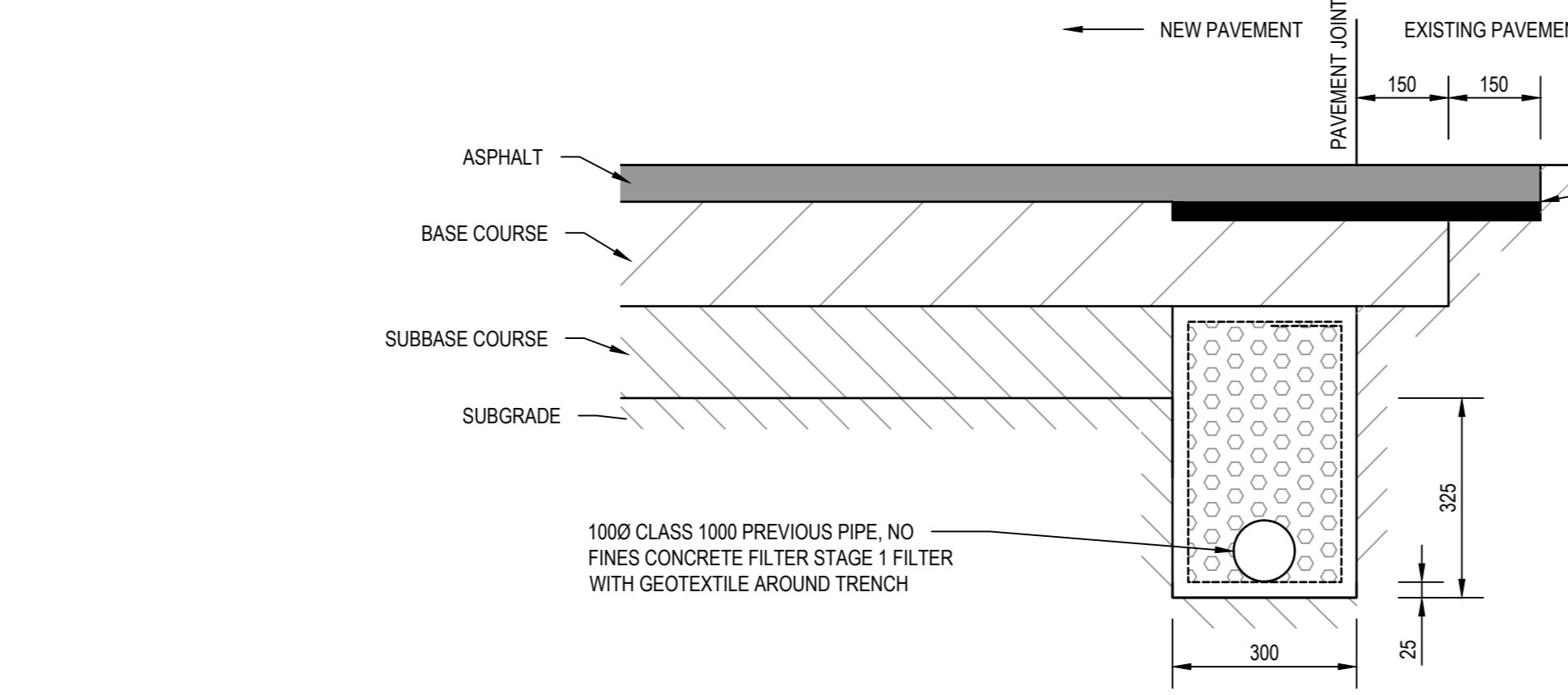
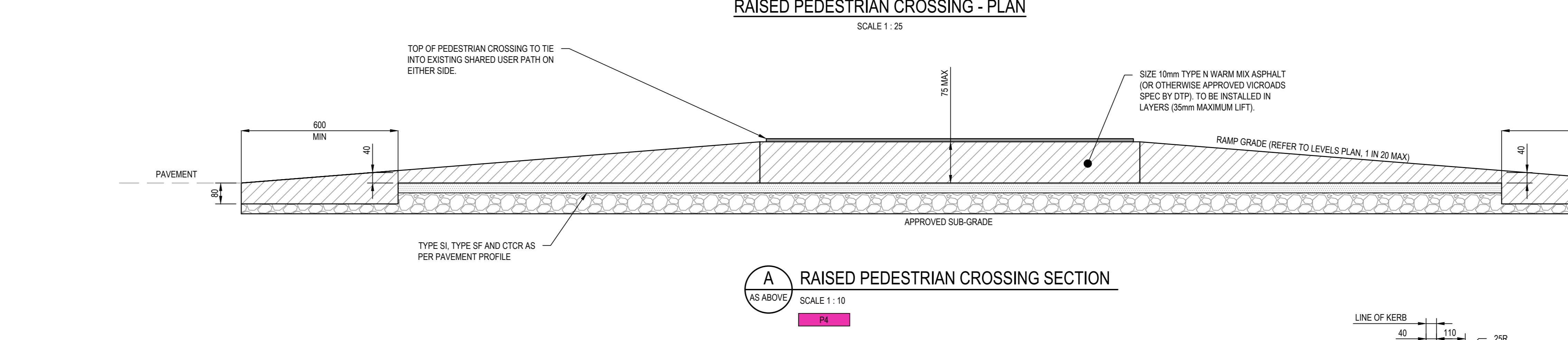
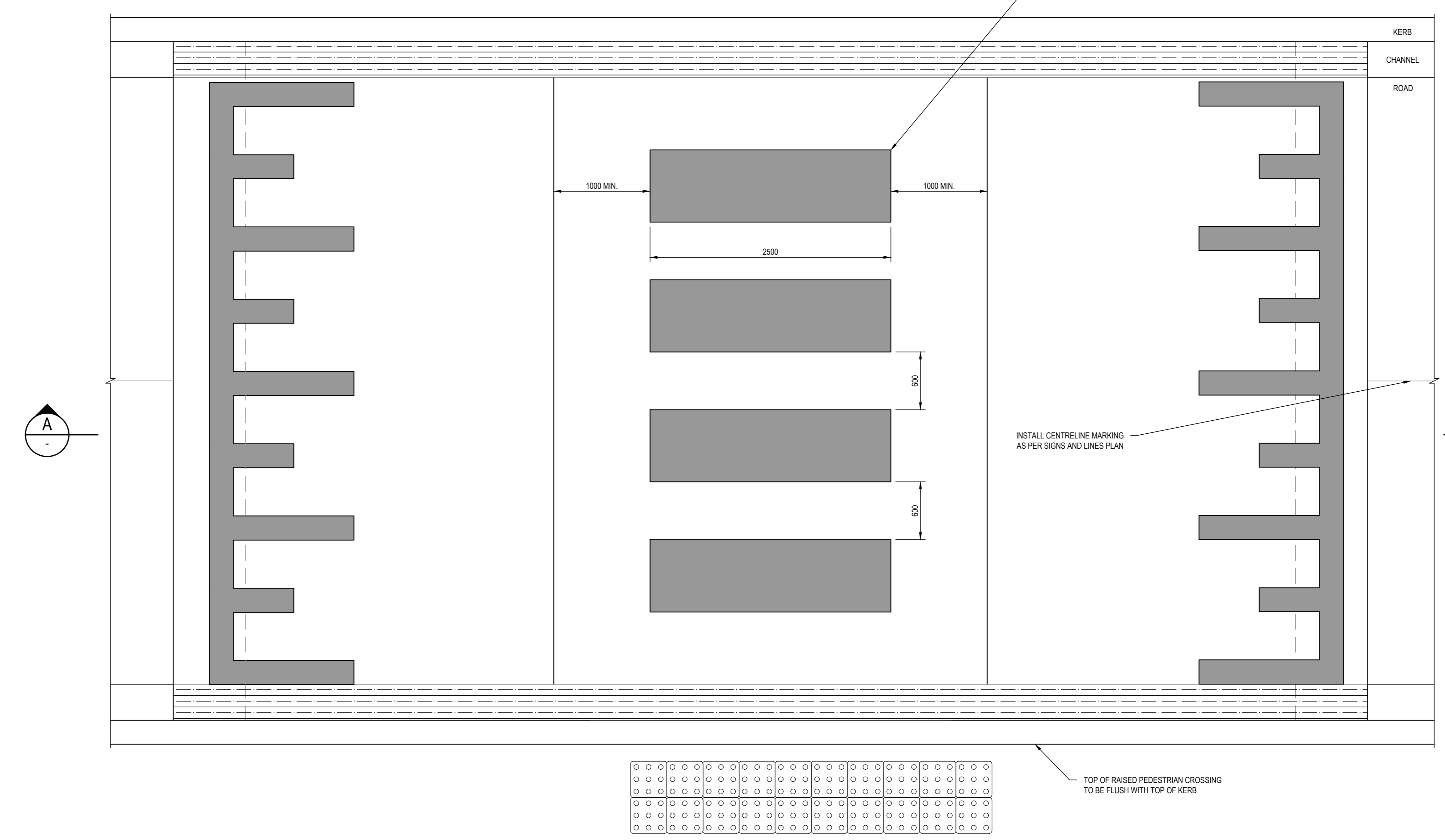
Revision
01

TENDER

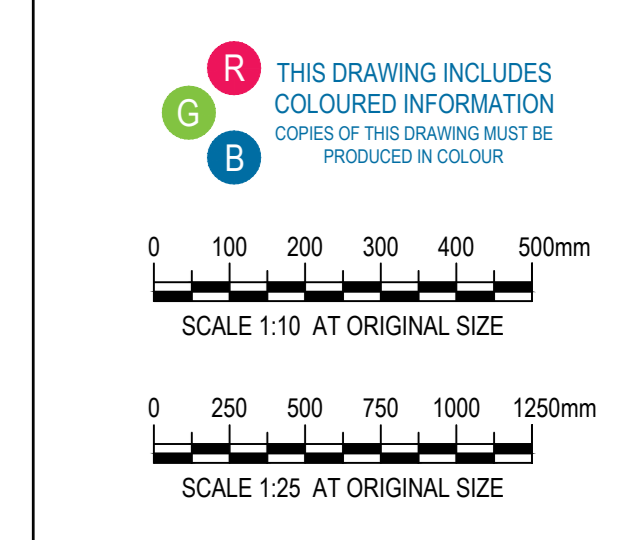


HOLD ALL PAVEMENT BUILDUPS SHOWN AS PLACEHOLDERS ONLY. PENDING RECEIPT OF FURTHER ENVIRONMENTAL AND GEOTECHNICAL INFORMATION AND PAVEMENT DESIGNS FROM GEOTECHNICAL ENGINEER.

HAZARD TGS'S SHALL BE INSTALLED PERPENDICULAR TO THE PEDESTRIAN LINE OF TRAVEL TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 1428.4.1:2009.



- PEDESTRIAN CROSSING NOTES:**
- PROVIDE "PEDESTRIAN CROSSING" LINE MARKING IN ACCORDANCE WITH AST142:10 WHERE SPECIFIED ON PROJECT DRAWINGS.
 - PROVIDE COLOURED SURFACE TREATMENT IN ACCORDANCE WITH VICROADS STANDARD SECTION 431 - COLOURED SURFACE TREATMENTS, WHERE SPECIFIED ON PROJECT DRAWINGS.
 - PROVIDE RAISED PEDESTRIAN CROSSING LINE MARKINGS "PIANO KEY" MARKINGS ON ALL RAMPS IN ACCORDANCE WITH AST142:10.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.



Project
MORGAN STREET REDEVELOPMENT

Client
WATHAURONG ABORIGINAL CO-OPERATIVE

Logo: **WATHAURONG** Aboriginal Co-Operative

Client: **WATHAURONG ABORIGINAL CO-OPERATIVE**

Issue:
W-B
WOODS BAGOT **GHD**

Project number: 12613952
 Size check: 25mm

Checked: MH Approved: HB Sheet size: A0 Scale: AS SHOWN

Sheet title:
TYPICAL CIVIL DETAILS SHEET 1 OF 4

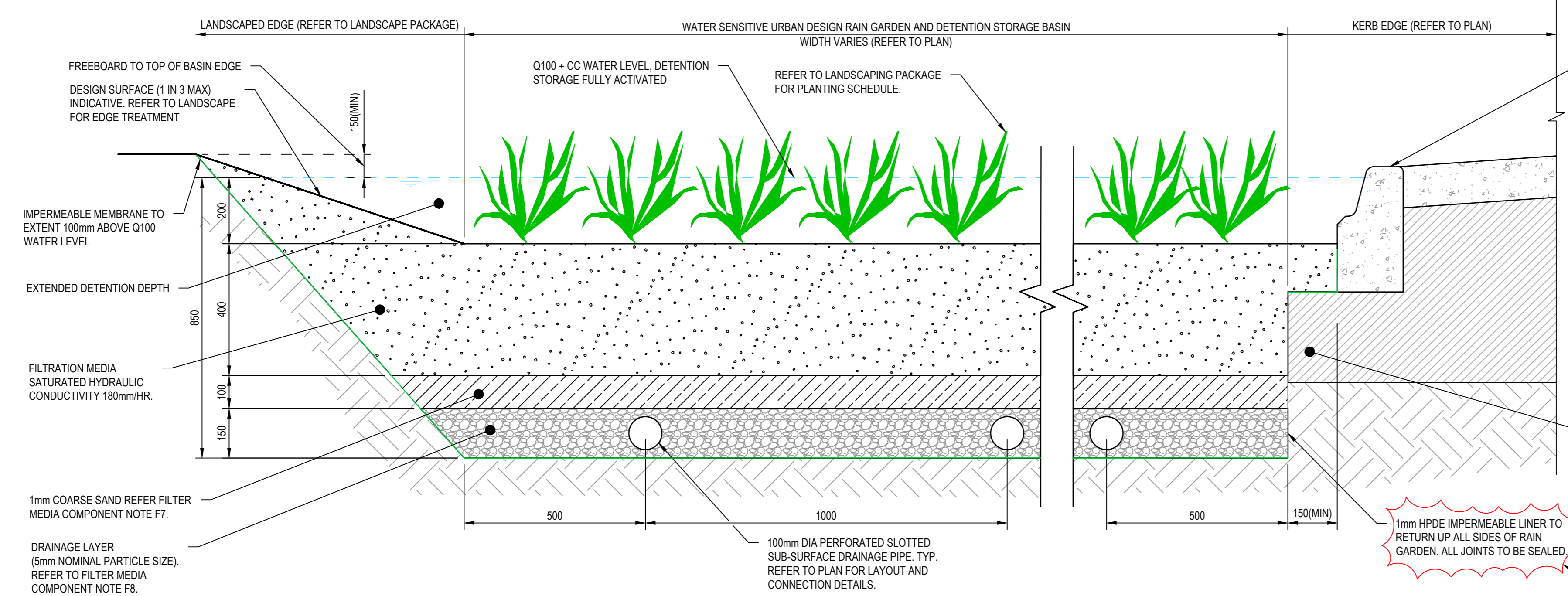
Sheet number: CI-00300 Revision: 01
 Status: TENDER

FILTER MEDIA COMPONENT NOTES:

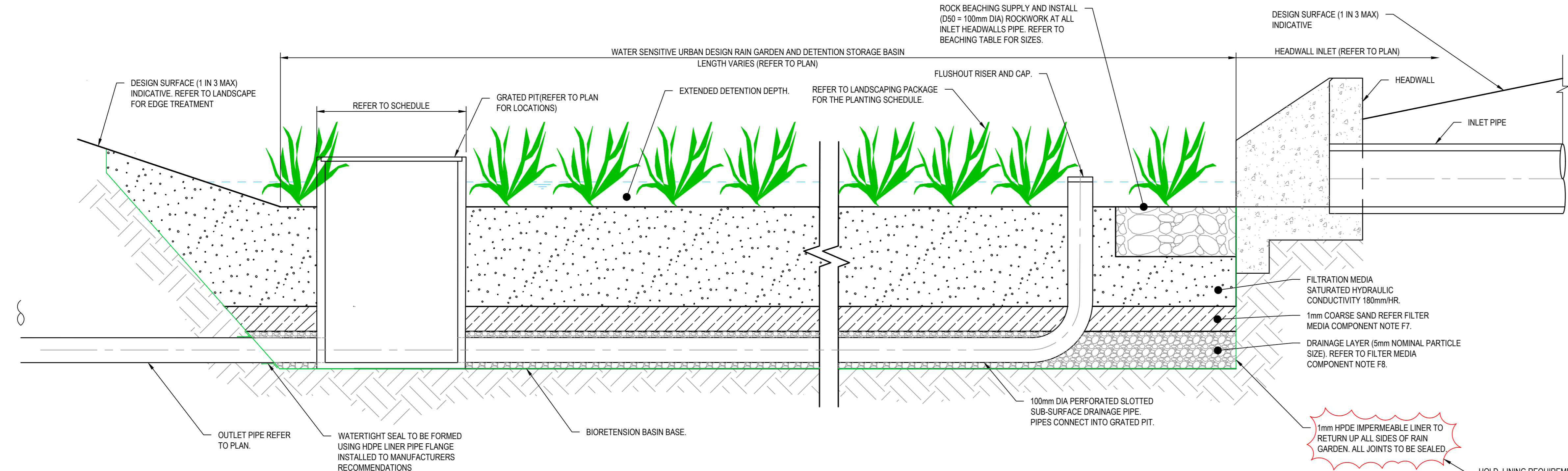
- F1. ALL FILTER MEDIA USED FOR THE WORKS IS TO BE APPROPRIATELY TESTED IN ACCORDANCE WITH THE FOLLOWING NOTES AND A COPY OF RESULTS SENT TO THE PROJECT SUPERINTENDENT PRIOR TO THE MATERIAL BEING PLACED ON SITE.
 - F2. FILTER MEDIA SHALL HAVE A SATURATED HYDRAULIC CONDUCTIVITY IN THE RANGE OF 180mmH UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT. SATURATED HYDRAULIC CONDUCTIVITY OF POTENTIAL FILTER MEDIA SHOULD BE MEASURED USING THE ASTM F1815-06 METHOD.
 - F3. FILTER MEDIA, WHICH COMPLY WITH THE PARTICLE SIZE GRADING OUTLINED BELOW, WILL GENERALLY MEET SATURATED HYDRAULIC CONDUCTIVITY SPECIFICATIONS.
- | DESCRIPTION | PROPORTION | GRADING |
|-----------------------|------------|----------------|
| CLAY & SILT | < 3% | < 0.05 mm |
| VERY FINE SAND | 5 - 30% | 0.05 - 0.15 mm |
| FINE SAND | 10 - 30% | 0.15 - 0.25 mm |
| MEDIUM TO COARSE SAND | 40 - 60% | 0.25 - 1.0 mm |
| COARSE SAND | < 25% | 1.0 - 2.0 mm |
| FINE GRAVEL | < 3% | 2.0 - 3.4 mm |
- F4. THE FILTER MEDIA SHOULD BE WELL-GRADED, I.E. IT SHOULD HAVE ALL PARTICLE SIZE RANGES PRESENT FROM THE 0.075 mm TO THE 4.75 mm SIEVE (AS DEFINED BY AS 1289.3.6.1 - 1995). THERE SHOULD BE NO CAP IN THE PARTICLE SIZE GRADING, AND THE COMPOSITION SHOULD NOT BE DOMINATED BY A SMALL PARTICLE SIZE RANGE.
 - F5. FILTER MEDIA THAT DO NOT MEET THE FOLLOWING ADAPTED AS4119 - 2003 - SOILS FOR LANDSCAPING AND GARDEN USE SPECIFICATION SHOULD BE REJECTED.
 - a. ORGANIC MATTER CONTENT - LESS THAN 5% (w/w). AN ORGANIC CONTENT HIGHER THAN 5% IS LIKELY TO RESULT IN LEACHING OF NUTRIENTS.
 - b. pH AS SPECIFIED FOR "NATURAL SOILS AND BLENDS" 5.5 - 7.5 (pH 1.5 IN WATER).
 - c. ELECTRICAL CONDUCTIVITY (EC) - AS SPECIFIED FOR NATURAL SOILS AND SOIL BLENDS < 1.2 dS/m.
 - d. PHOSPHORUS - < 100 mg/kg. SOILS WITH PHOSPHORUS CONCENTRATIONS > 100 mg/kg SHOULD BE TESTED FOR POTENTIAL LEACHING.
 - F6. POTENTIAL FILTER MEDIA SHOULD GENERALLY BE ASSESSED BY A HORTICULTURIST TO ENSURE THAT THEY ARE CAPABLE OF SUPPORTING A HEALTHY VEGETATION COMMUNITY. THIS ASSESSMENT SHOULD TAKE INTO CONSIDERATION DELIVERY OF NUTRIENTS TO THE SYSTEM BY STORMWATER. THE TRANSITION LAYER SHALL CONSIST OF MICROGRASS (2 FILTER SAND).
 - F7. THE DRAINAGE LAYER SHALL BE COMPOSED OF CLEAN STONE WITH ALL PARTICLES BETWEEN 2.0mm AND 7.0mm IN SIZE.
 - F8. SCORIA OR QUARTZ ARE NOT SUITABLE MATERIAL FOR USE AS A DRAINAGE LAYER.
 - F9. CARBON SOURCE MATERIAL TO CONSIST OF 5% SUGAR CANE MULCH BLENDED WITH MICROGRASS B1 FILTER.

DESCRIPTION	PROPORTION	GRADING
CLAY & SILT	< 3%	< 0.05 mm
VERY FINE SAND	5 - 30%	0.05 - 0.15 mm
FINE SAND	10 - 30%	0.15 - 0.25 mm
MEDIUM TO COARSE SAND	40 - 60%	0.25 - 1.0 mm
COARSE SAND	< 25%	1.0 - 2.0 mm
FINE GRAVEL	< 3%	2.0 - 3.4 mm

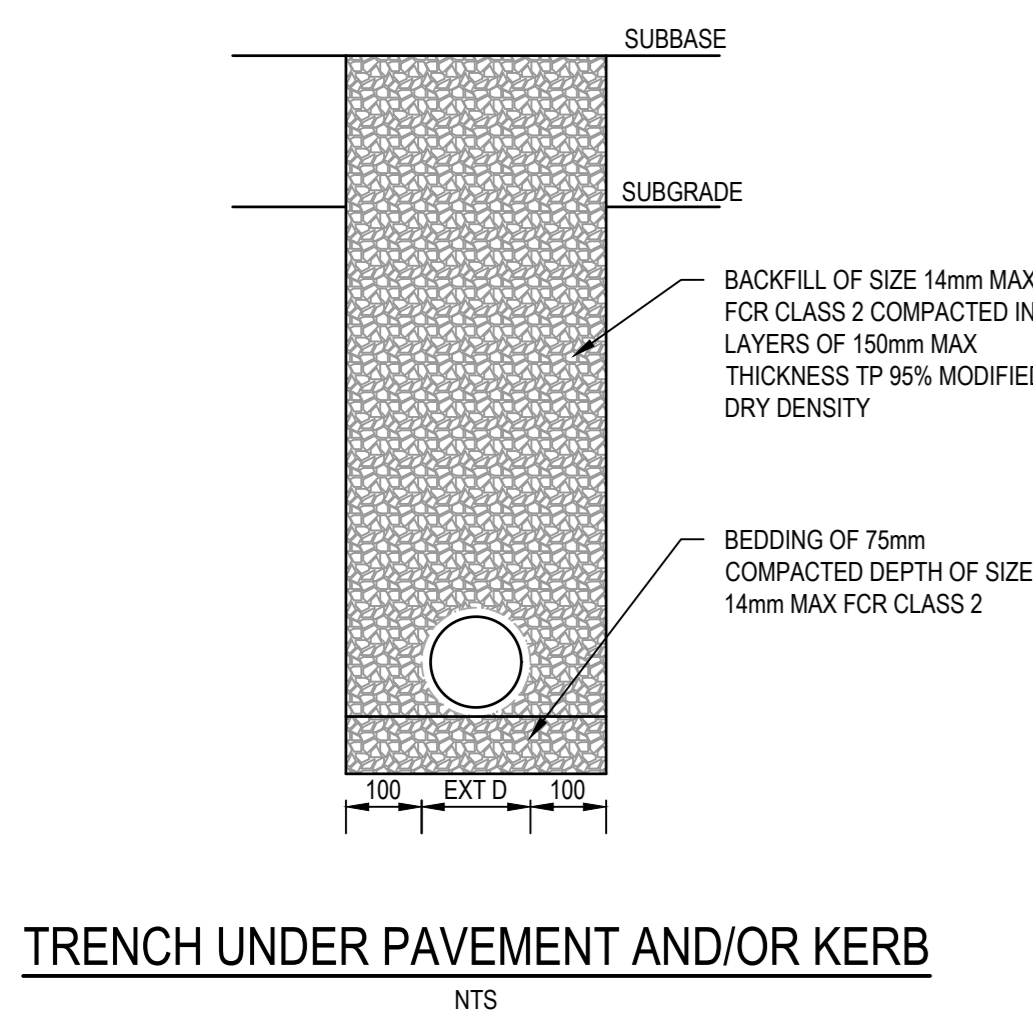
- F4. THE FILTER MEDIA SHOULD BE WELL-GRADED, I.E. IT SHOULD HAVE ALL PARTICLE SIZE RANGES PRESENT FROM THE 0.075 mm TO THE 4.75 mm SIEVE (AS DEFINED BY AS 1289.3.6.1 - 1995). THERE SHOULD BE NO CAP IN THE PARTICLE SIZE GRADING, AND THE COMPOSITION SHOULD NOT BE DOMINATED BY A SMALL PARTICLE SIZE RANGE.
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 - a. ORGANIC MATTER CONTENT - LESS THAN 5% (w/w). AN ORGANIC CONTENT HIGHER THAN 5% IS LIKELY TO RESULT IN LEACHING OF NUTRIENTS.
 - b. pH AS SPECIFIED FOR "NATURAL SOILS AND BLENDS" 5.5 - 7.5 (pH 1.5 IN WATER).
 - c. ELECTRICAL CONDUCTIVITY (EC) - AS SPECIFIED FOR NATURAL SOILS AND SOIL BLENDS < 1.2 dS/m.
 - d. PHOSPHORUS - < 100 mg/kg. SOILS WITH PHOSPHORUS CONCENTRATIONS > 100 mg/kg SHOULD BE TESTED FOR POTENTIAL LEACHING.
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- F7. THE DRAINAGE LAYER SHALL BE COMPOSED OF CLEAN STONE WITH ALL PARTICLES BETWEEN 2.0mm AND 7.0mm IN SIZE.
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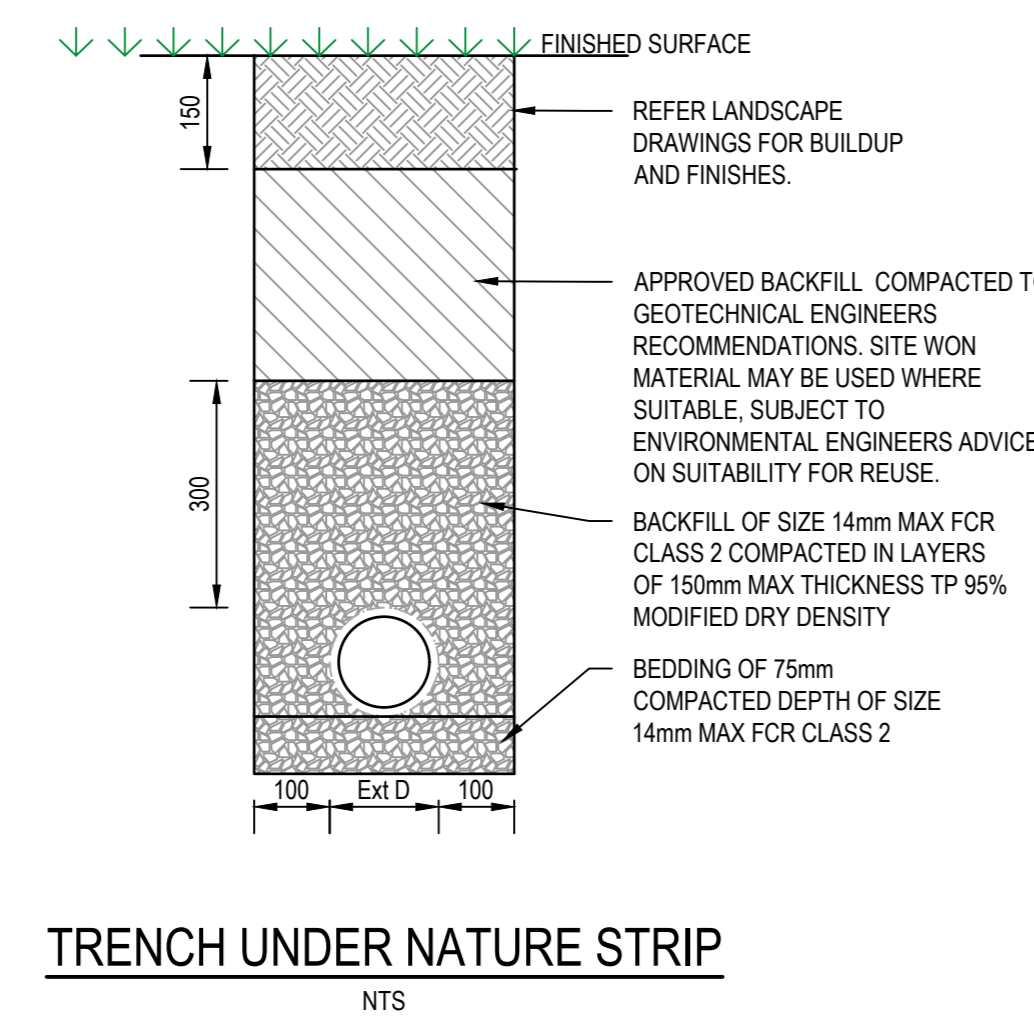
BIO RETENTION (RAIN GARDEN) BASIN
 TYPICAL CROSS SECTION
 NTS



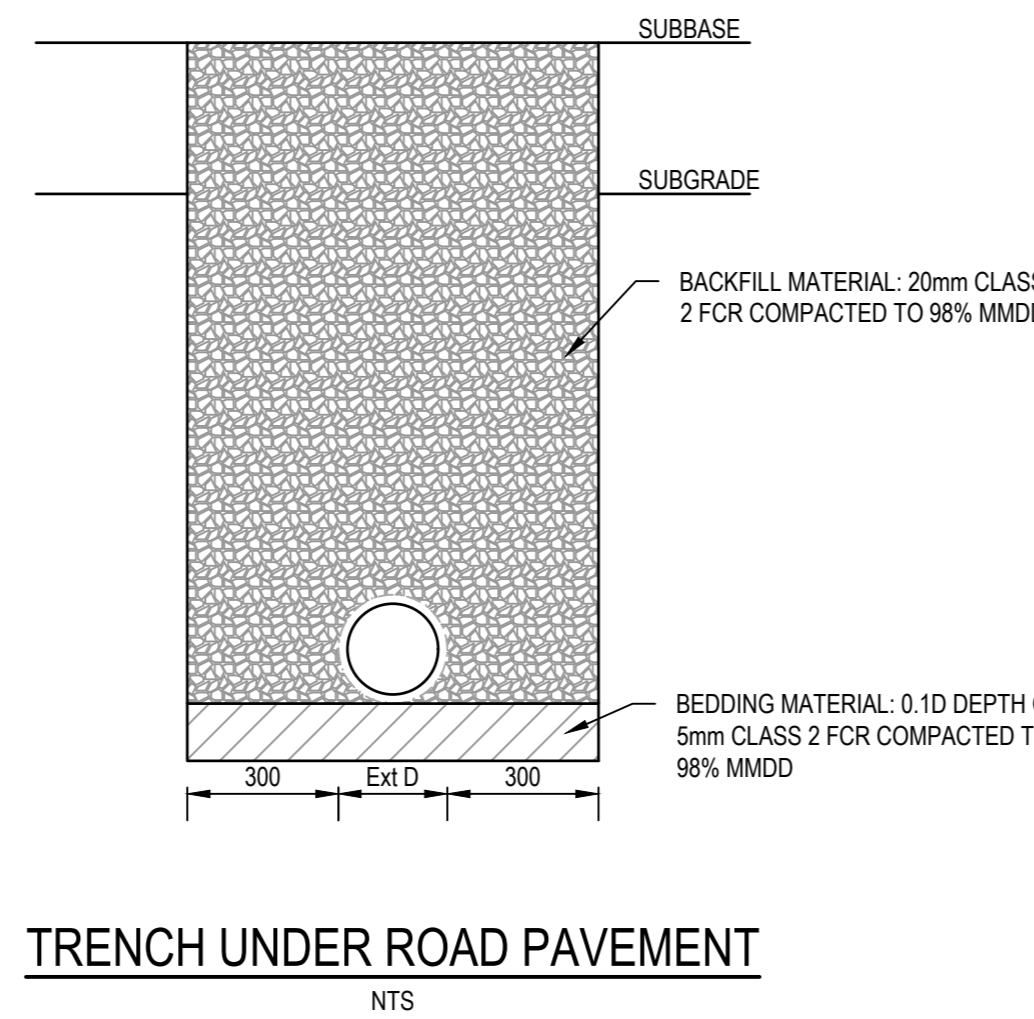
BIO RETENTION (RAIN GARDEN) BASIN
 TYPICAL LONGITUDINAL SECTION
 NTS



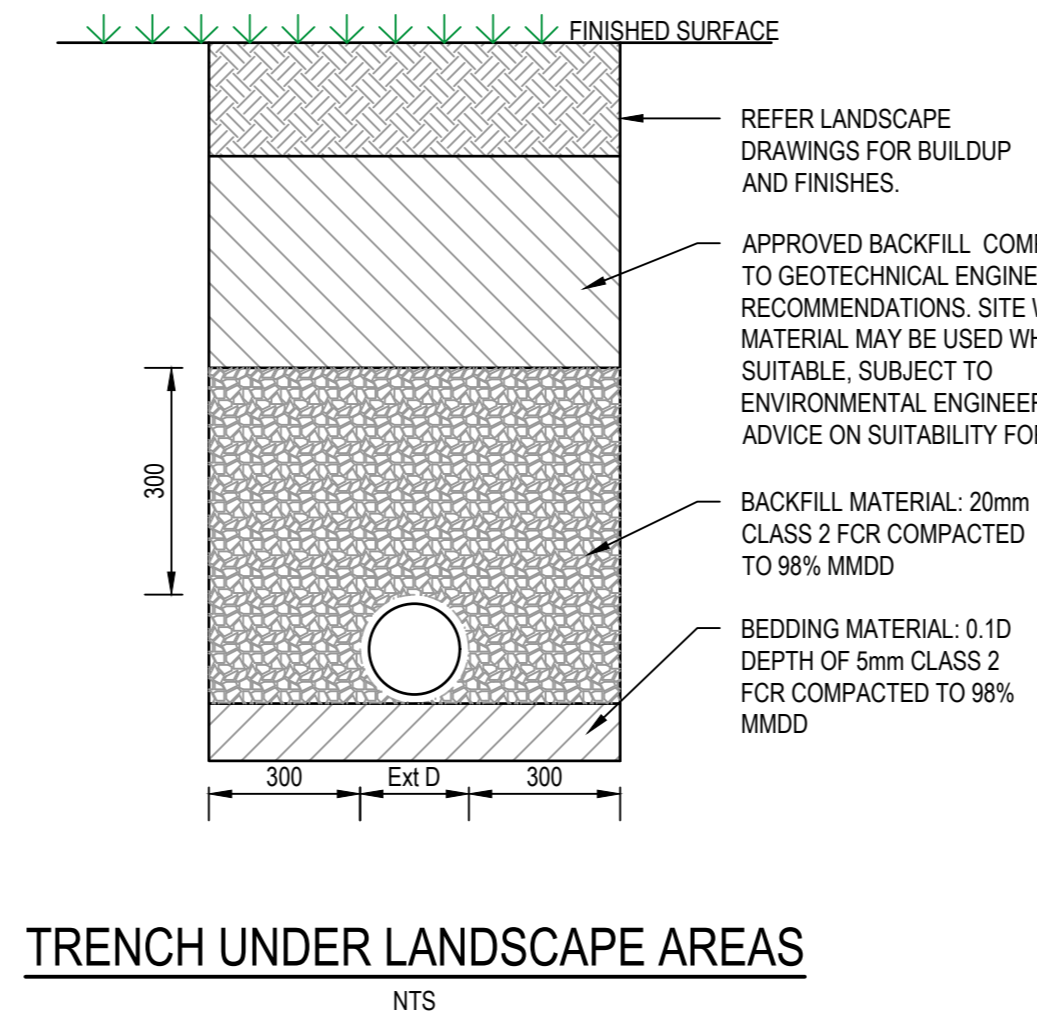
TRENCH UNDER PAVEMENT AND/OR KERB
 NTS



TRENCH UNDER NATURE STRIP
 NTS



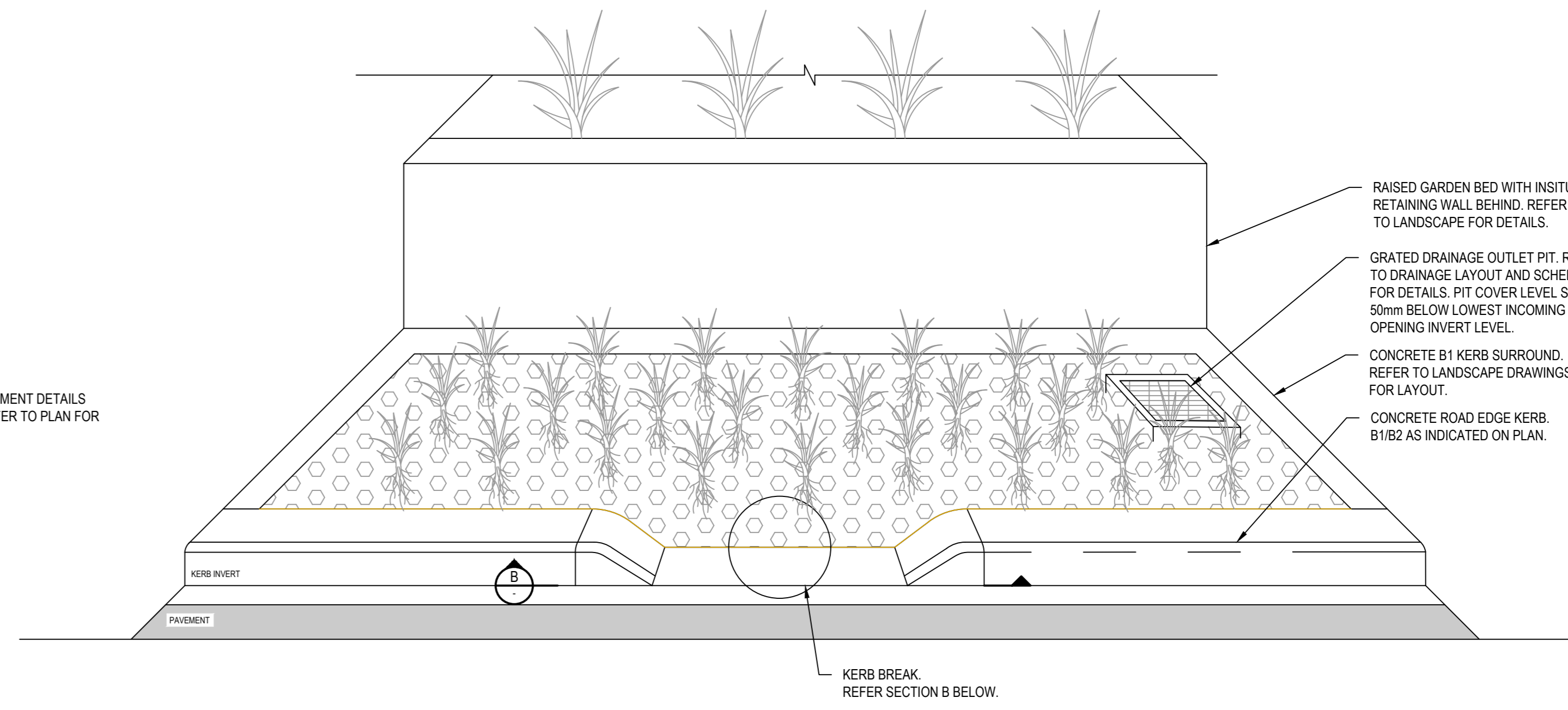
TRENCH UNDER ROAD PAVEMENT
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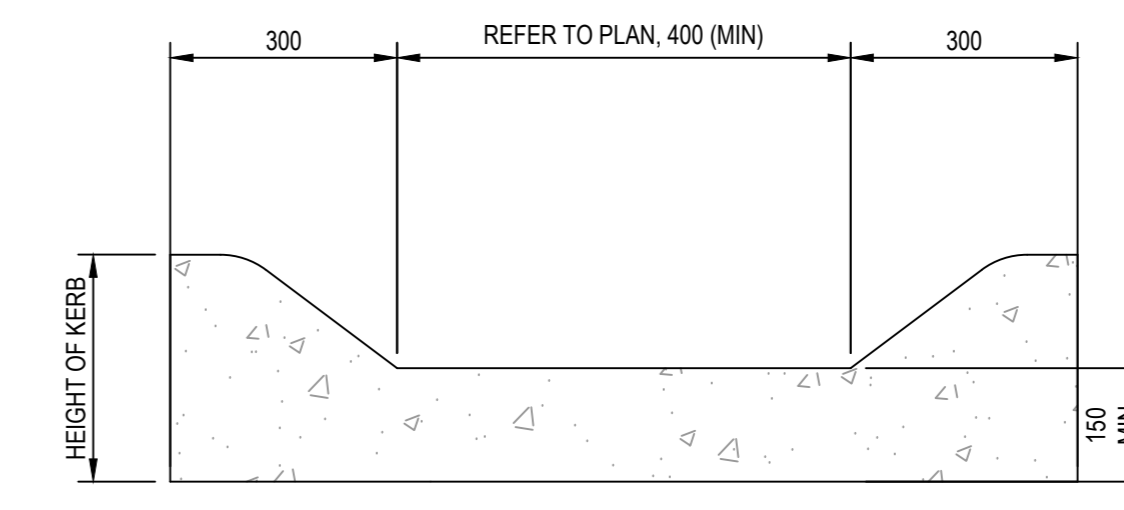
TRENCH UNDER LANDSCAPE AREAS
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PVC DRAIN BEDDING AND BACKFILL DETAILS

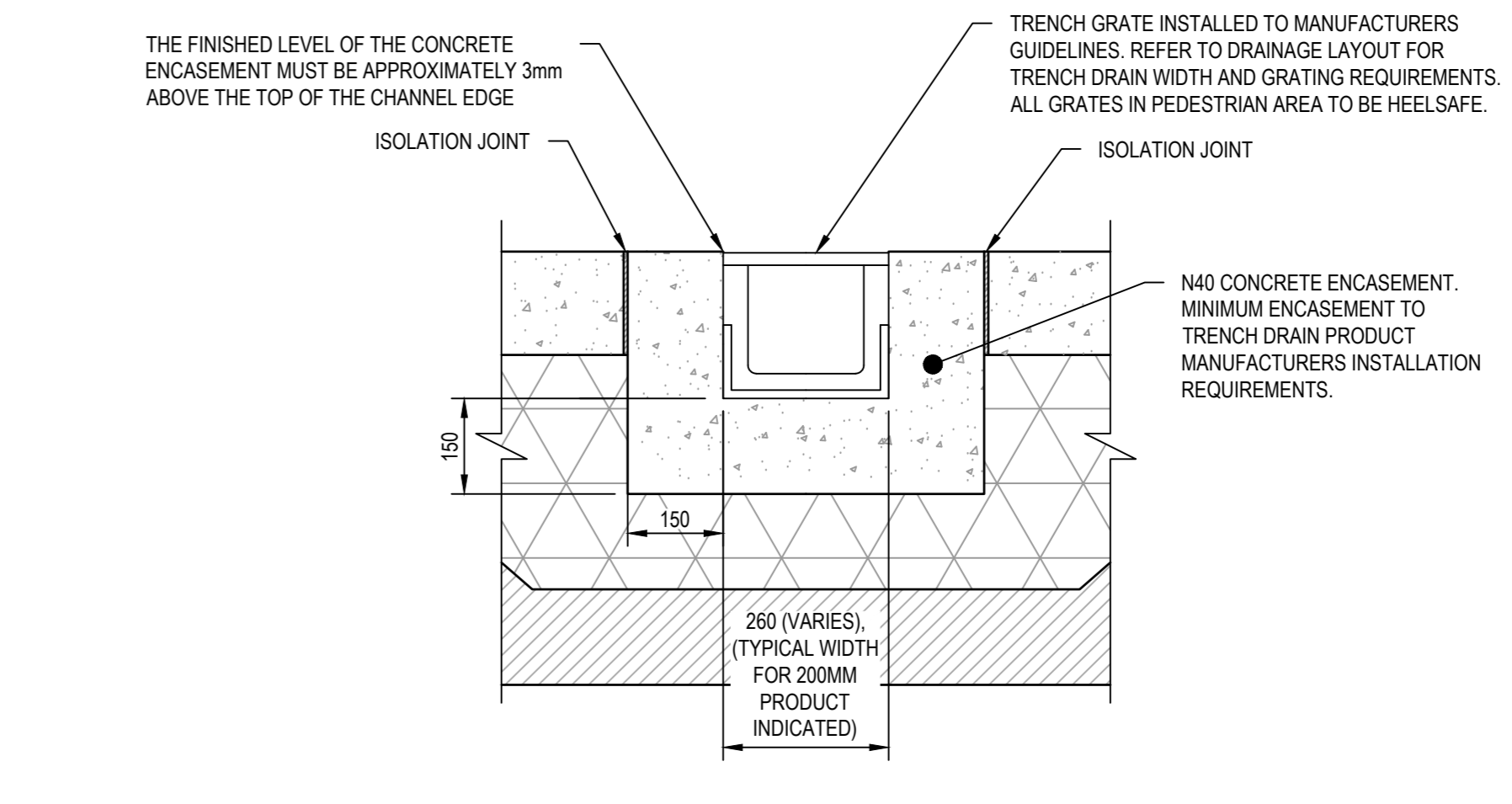
RCP BEDDING AND BACKFILL DETAILS



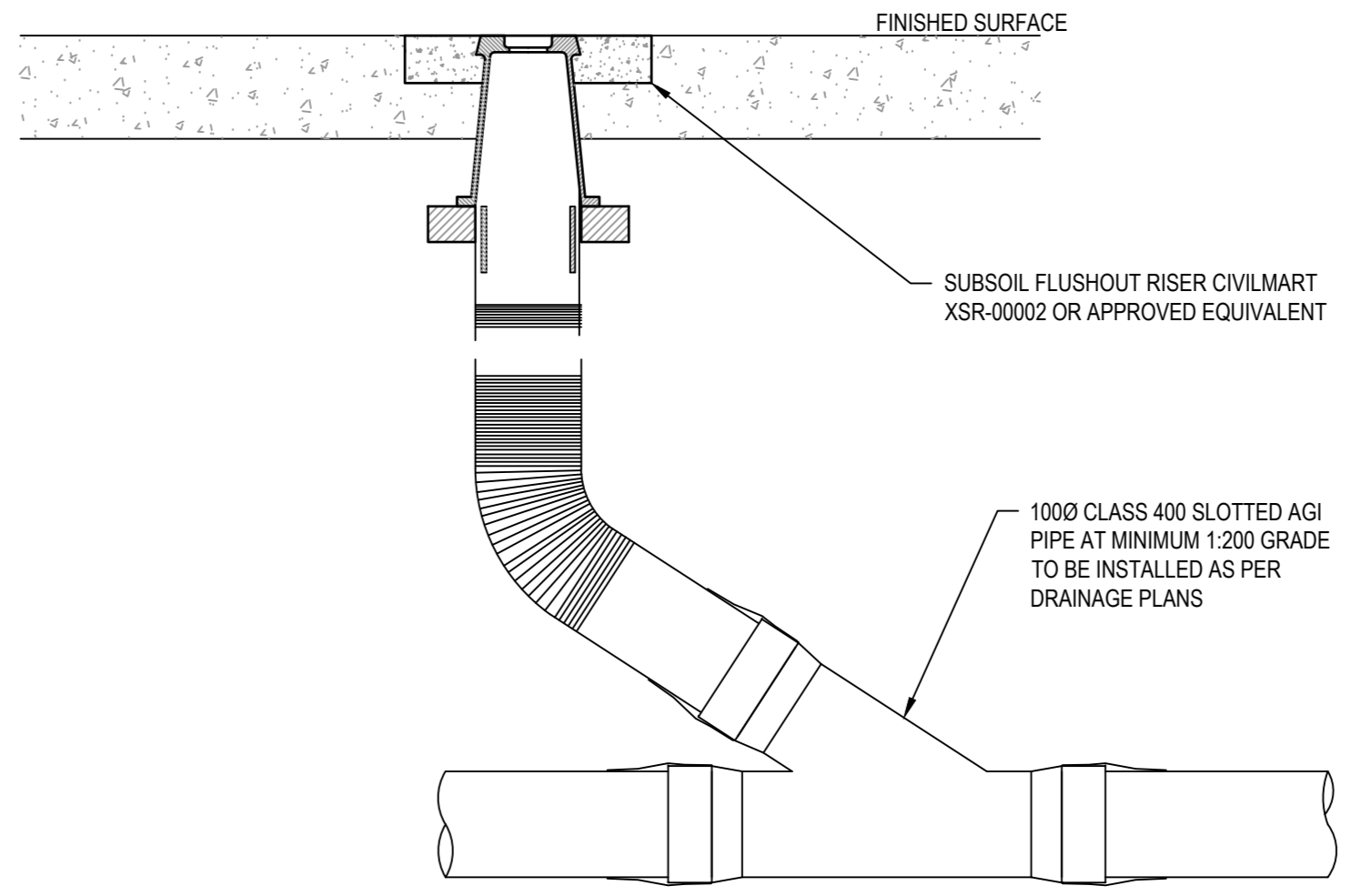
TYPICAL RAINGARDEN WITH KERB OPENING INLET
 3D ISOMETRIC (ILLUSTRATIVE ONLY)
 NTS



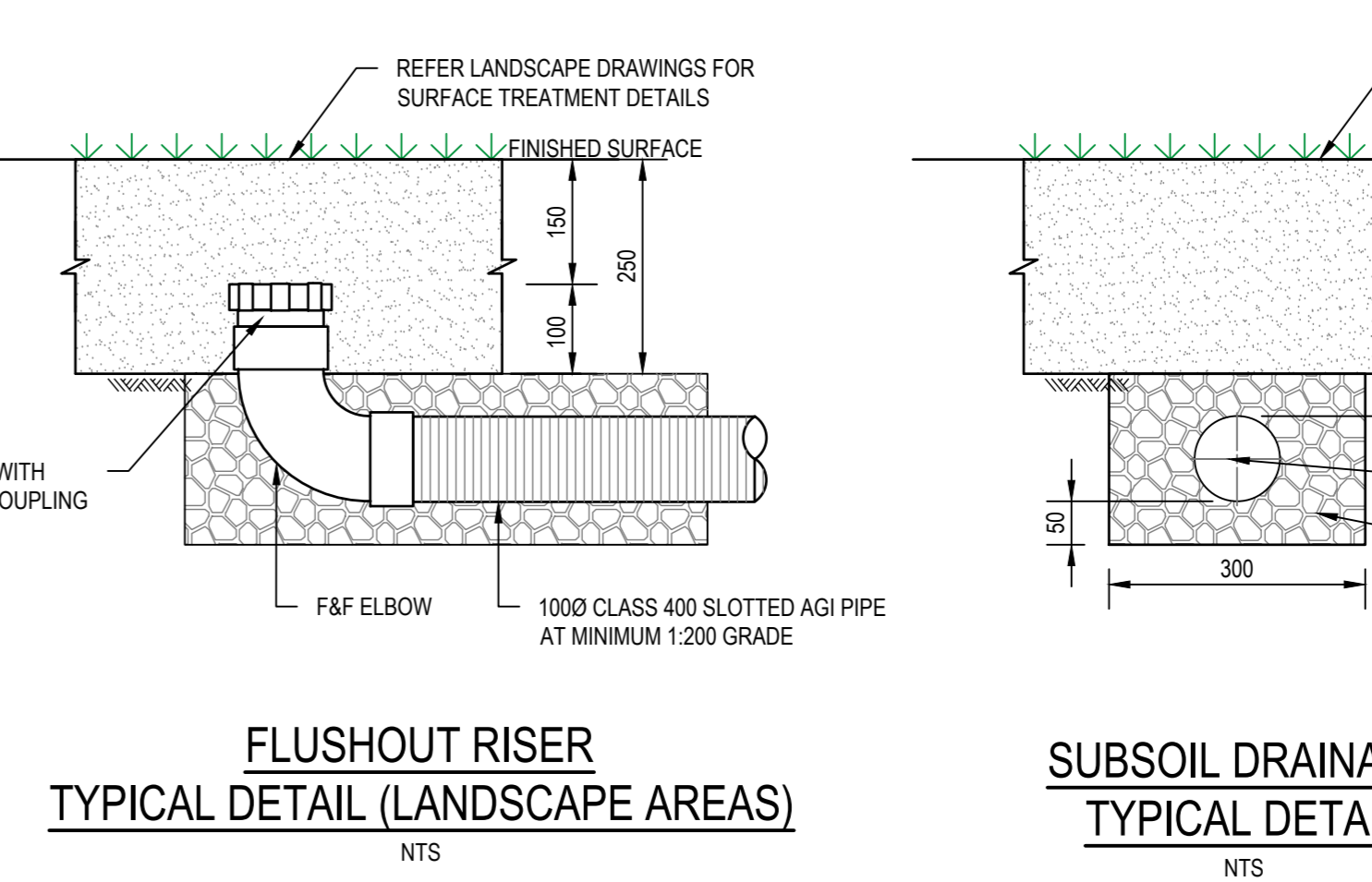
B RAIN GARDEN KERB OPENING INLET
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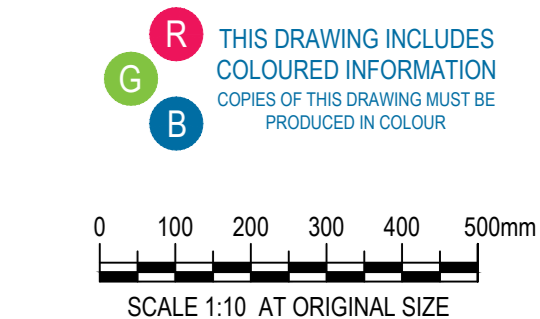
TYPICAL TRENCH DRAIN DETAIL
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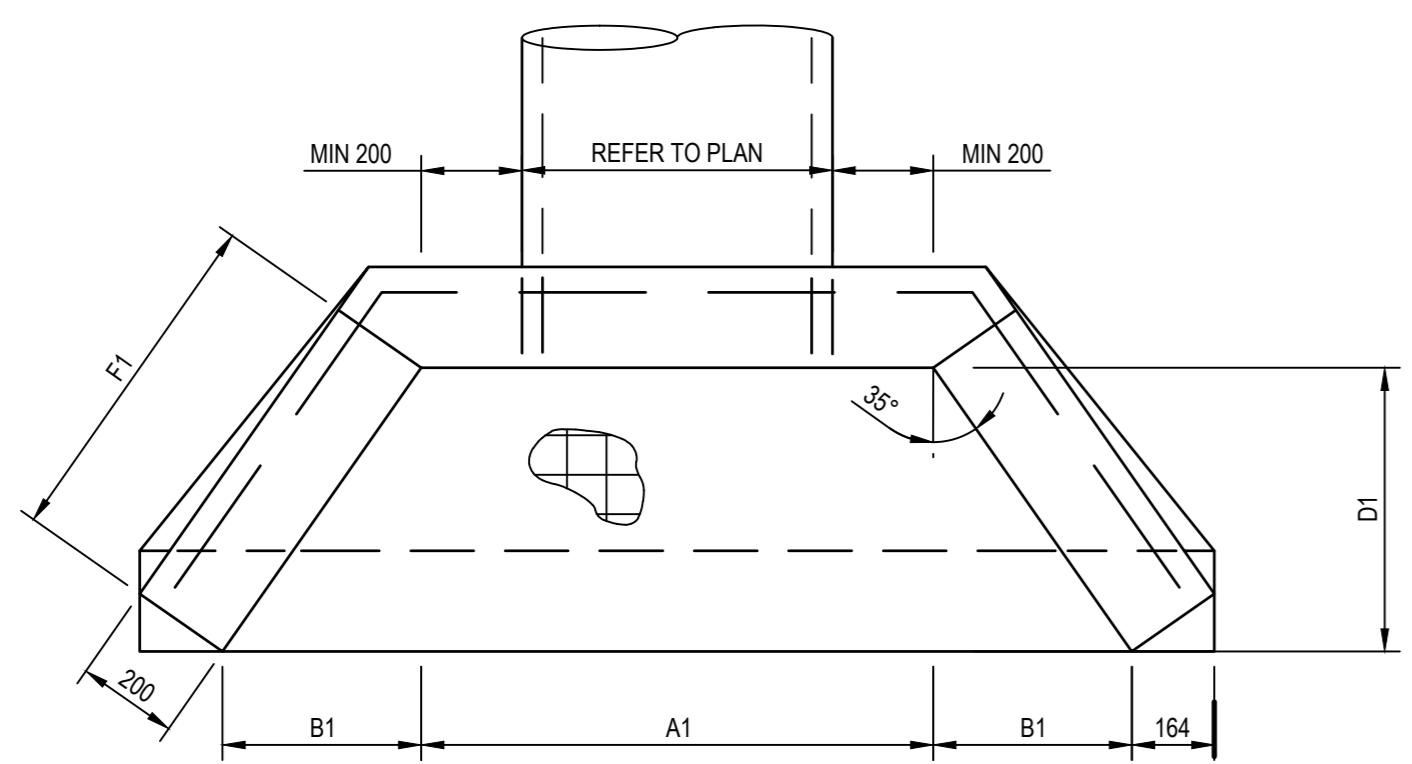
FLUSHOUT RISER
 TYPICAL DETAIL (PAVEMENT AREAS)
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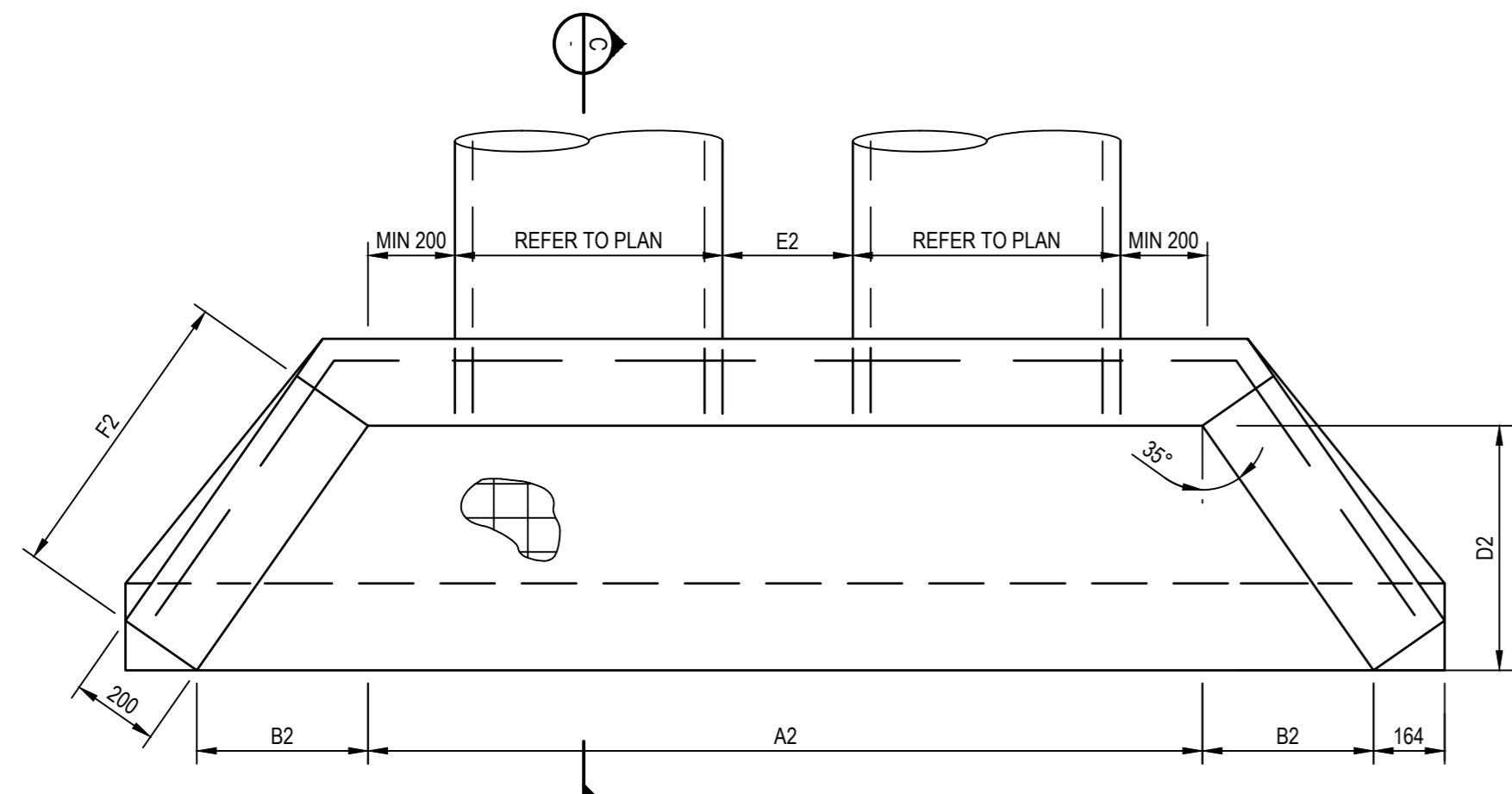
SUBSOIL BEDDING AND BACKFILL DETAILS
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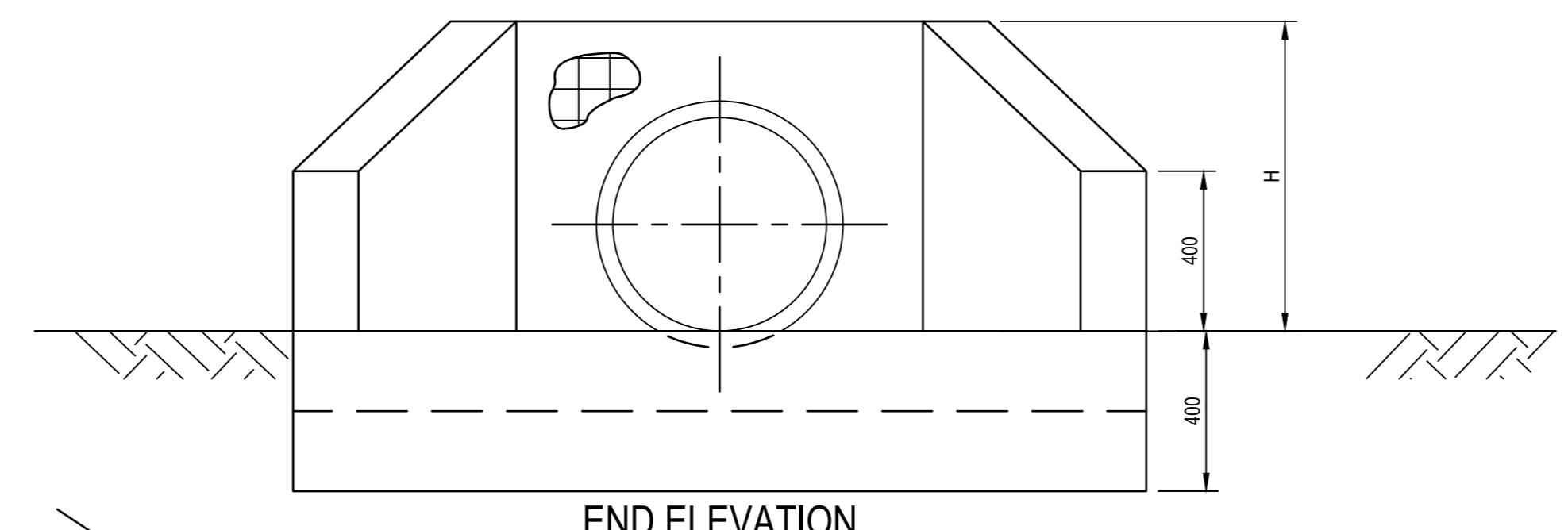
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 Client: WATHAURONG ABORIGINAL CO-OPERATIVE
 Issue: W-B WOODS BAGOT GHD
 Project number: 12613952
 Checked: Approved
 Sheet size: A0
 Scale: AS SHOWN
 Sheet title: TYPICAL CIVIL DETAILS SHEET 2 OF 4
 Sheet number: CI-00301
 Revision: 01
 Status: TENDER



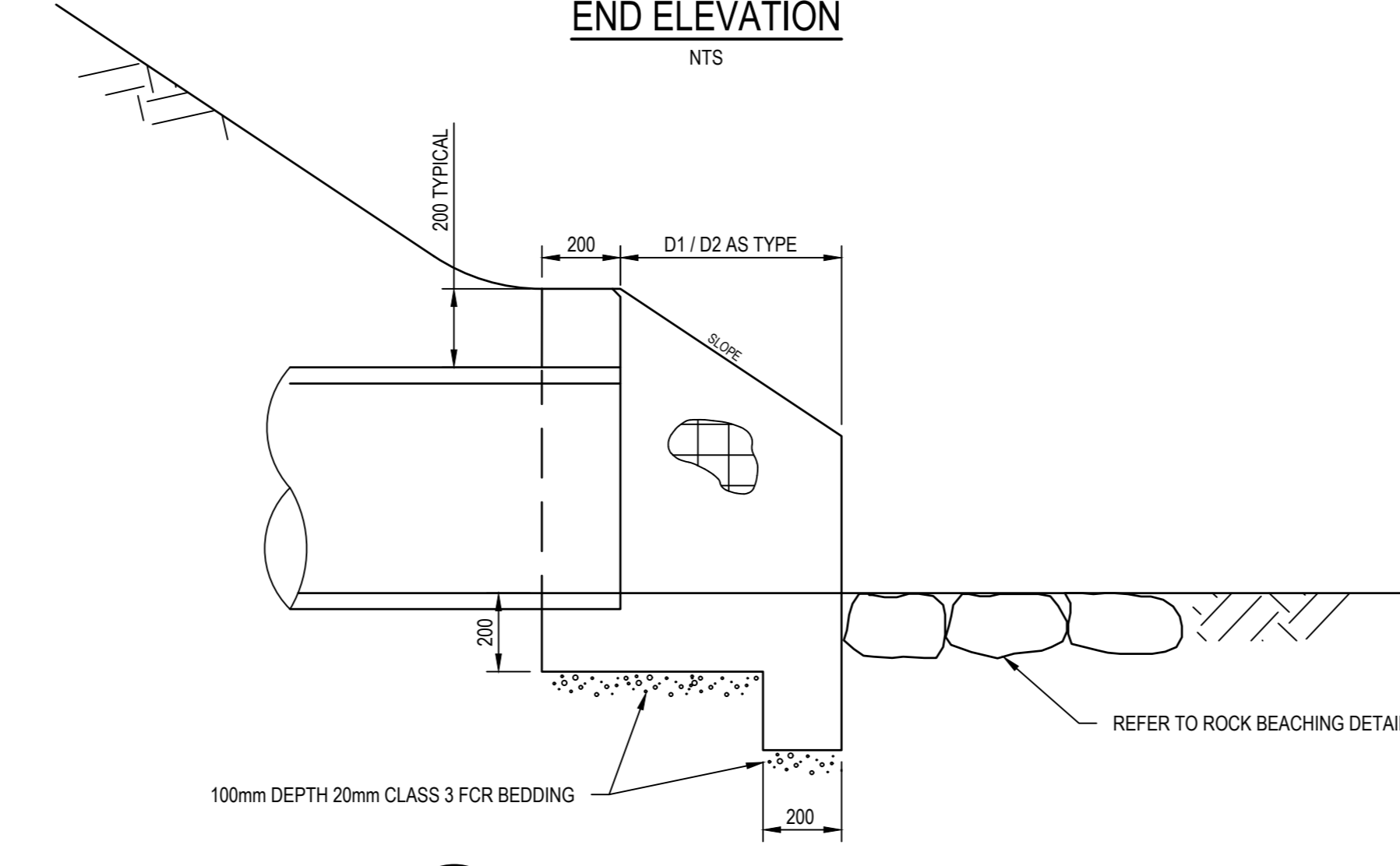
SINGLE OUTLET HEADWALL PLAN
NTS



DUAL OUTLET HEADWALL PLAN
NTS



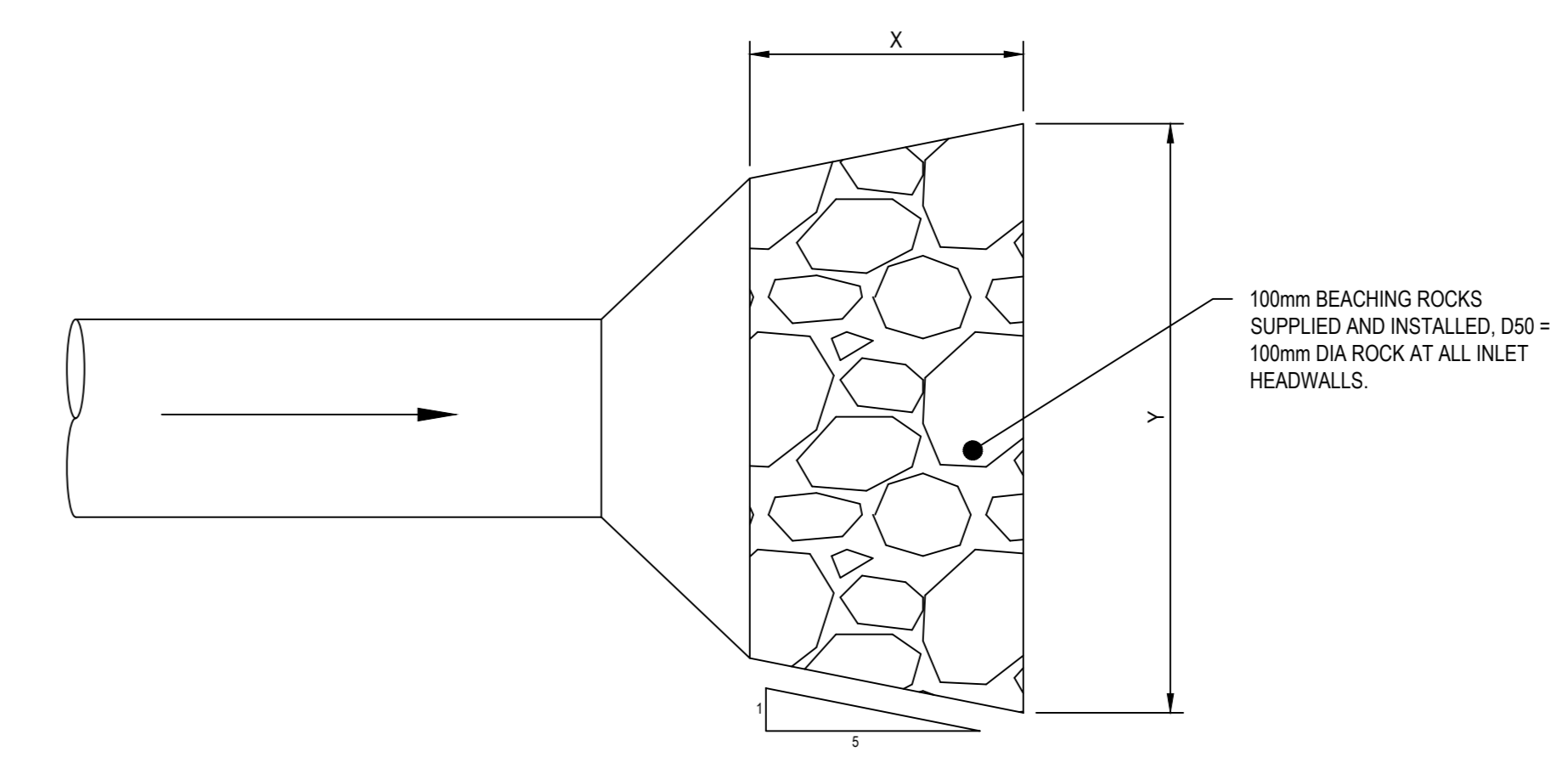
END ELEVATION
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SECTION C
SCALE: NTS

HEADWALL NOTES:

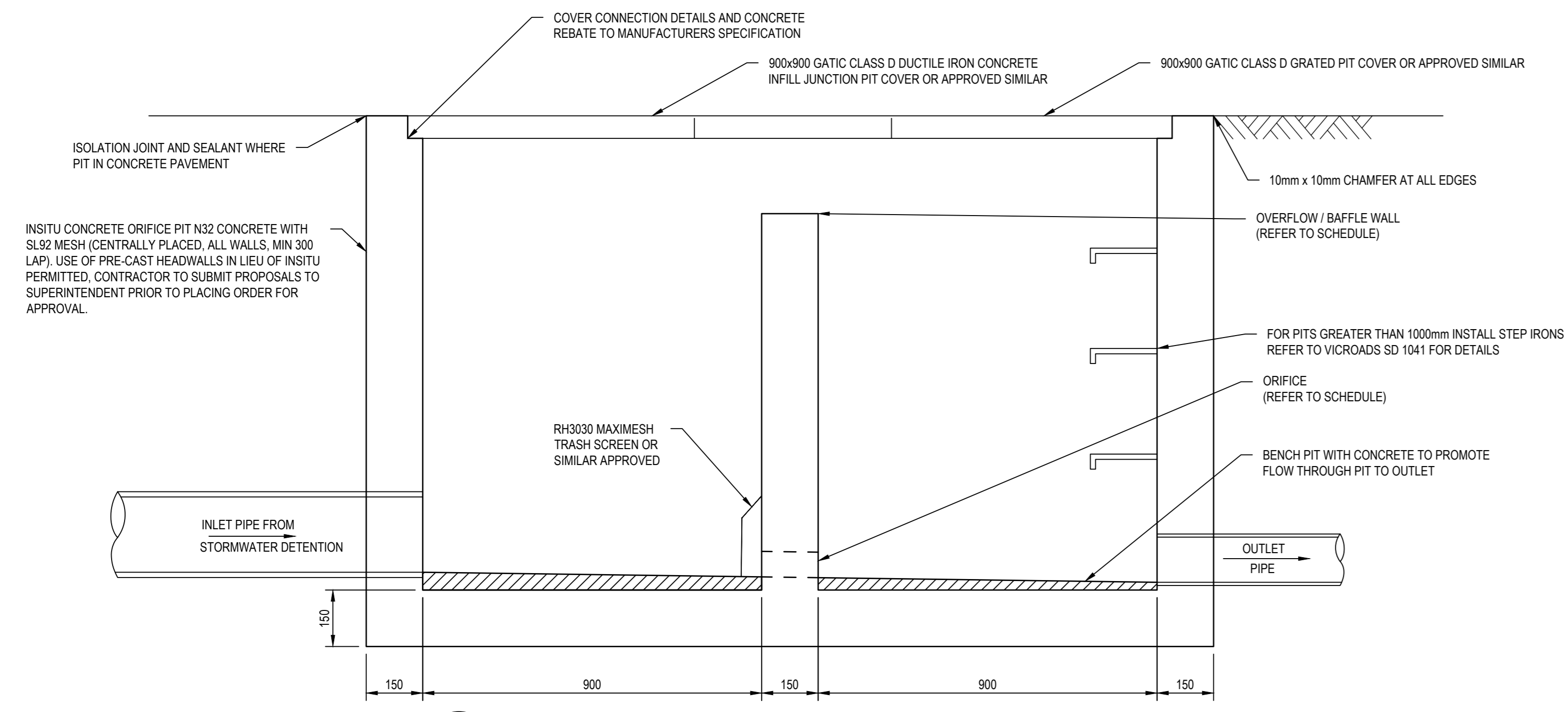
- REFER TO IDM STANDARD DRAWING REINFORCED CONCRETE WINGWALL (IN-SITU) SD 497.
- REFER TO DIMENSION TABLES ON IDM D 487 FOR HEADWALL DIMENSIONS FOR EACH HEADWALL TYPE.
- BECAUSE THE RELATION OF THE BATTER TO THE TOP OF THE ENDWALL IS ESSENTIAL FOR THE SAFETY OF THE MOTORIST THE DETAILS AS SHOWN IN SECTION C MUST BE ADHERED TO DURING CONSTRUCTION.
- REINFORCEMENT AND CONCRETE SPECIFICATION TO DIM REQUIREMENTS.
- EXPOSED EDGES SHALL HAVE 20 x 20 CHAMFERS.
- COMPACTION PRESSURE BEHIND WALLS NOT TO EXCEED 15 kPa. (1.5 TONNE VIBRATORY ROLLER OR 300 kg VIBRATING PLATE WITHIN 150mm OF WALL)
- ENDWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF AS 3600.
- USE OF PRE-CAST HEADWALLS IN LIEU OF IN-SITU PERMITTED, CONTRACTOR TO SUBMIT PROPOSALS TO SUPERINTENDENT PRIOR TO PLACING ORDER FOR APPROVAL.



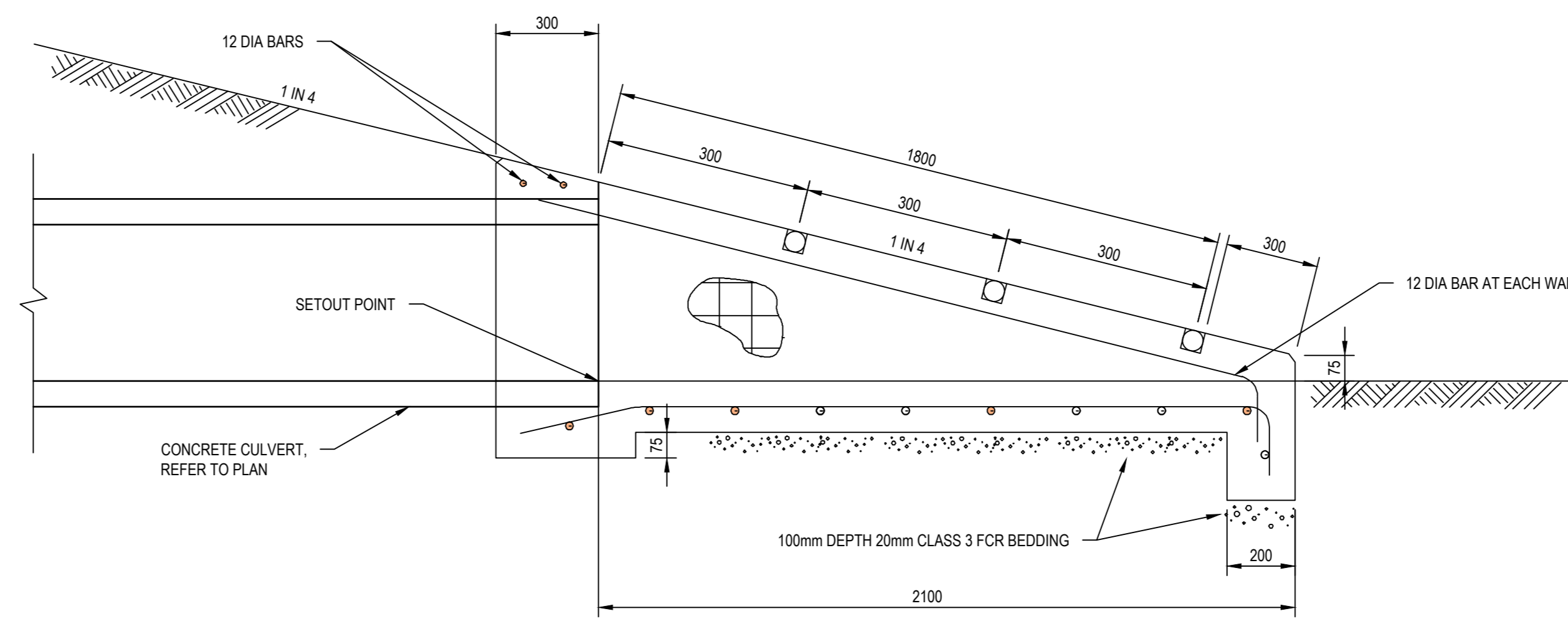
HEADWALL TYPE	X(m)	Y(m)	DEPTH(m)
SINGLE OUTLET	0.5	1.5	0.2
DUAL OUTLET	0.8	1.5	0.2

ROCK BEACHING DETAILS
NTS

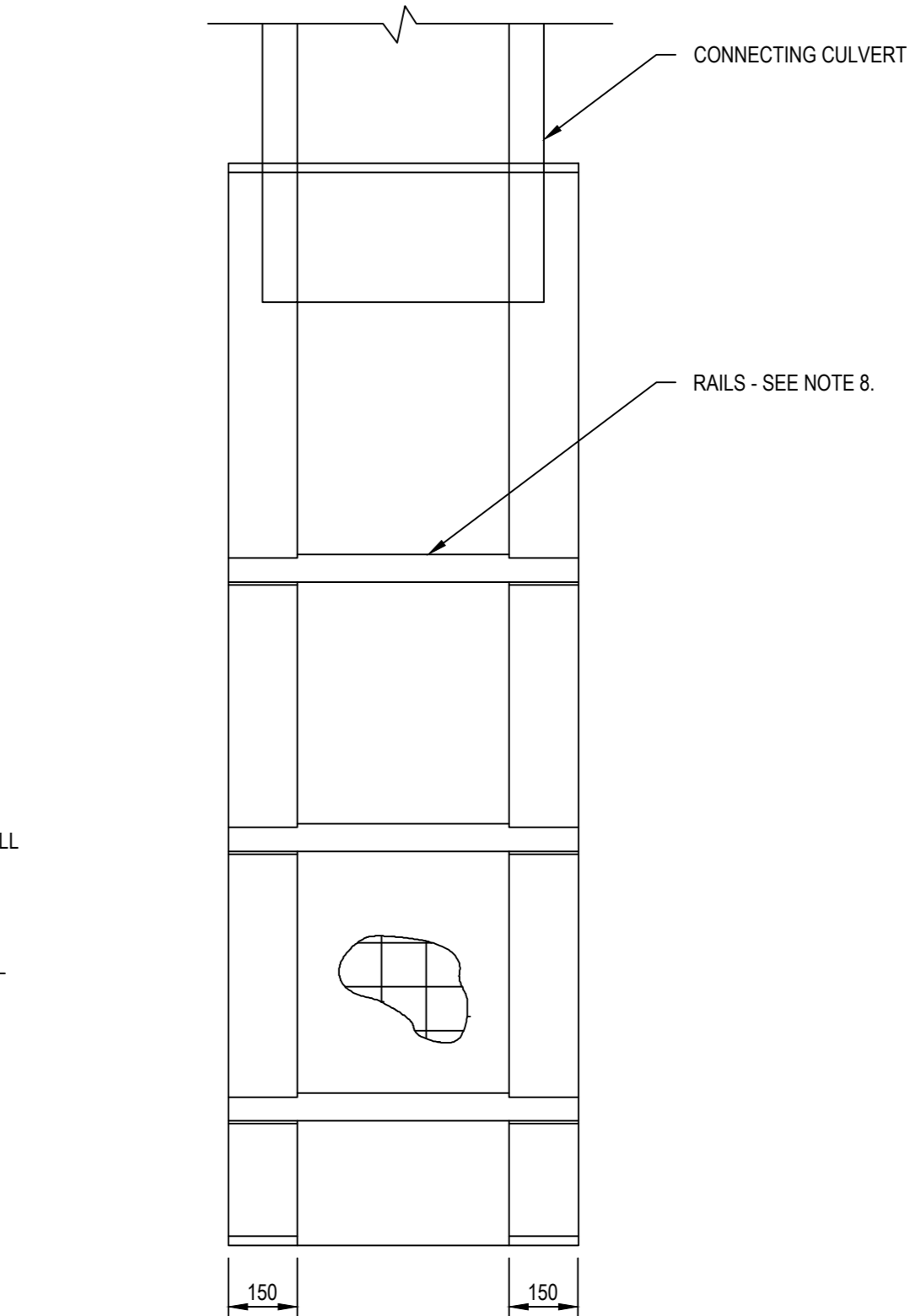
TYPICAL HEADWALL DETAILS
NTS



SECTION C TYPICAL DETENTION AND ORIFICE PIT ELEVATION
SCALE: NTS



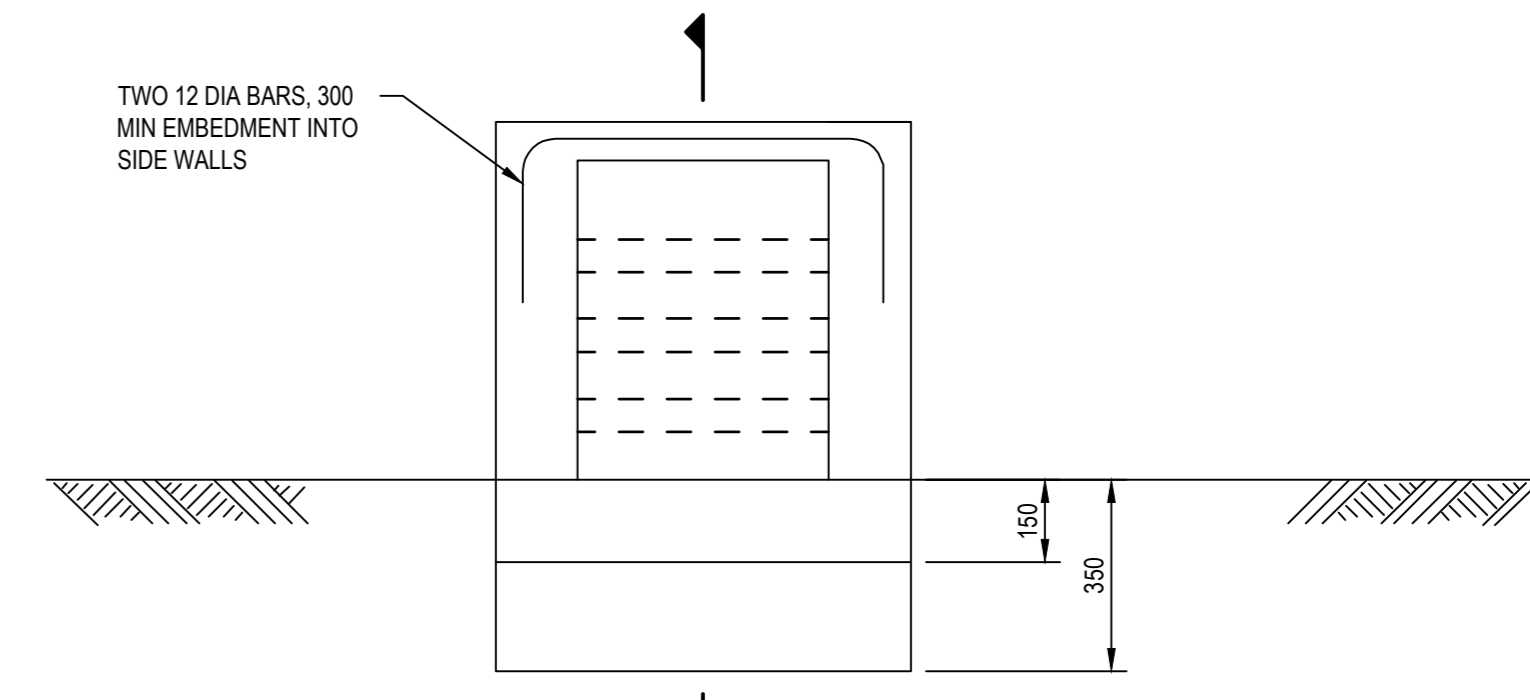
SECTION D - DRIVEABLE CULVERT ENDWALL
SCALE: NTS



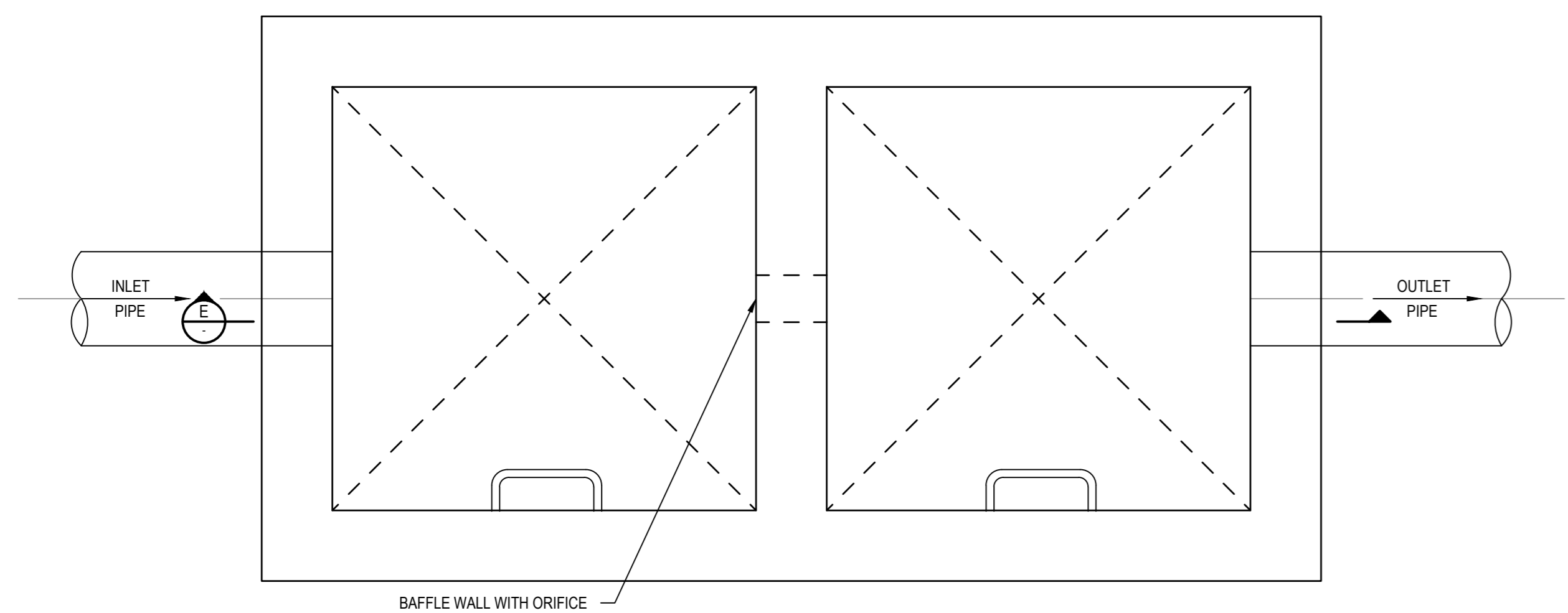
DRIVEABLE CULVERT ENDWALLS PLAN
NTS

DRIVEABLE CULVERT ENDWALL NOTES:

- REFER TO VICROADS STANDARD DRAWING SD 1991.
- THESE ENDWALLS ARE DESIGNED FOR USE IN AREAS WHERE HEAD ON COLLISIONS ARE LIKELY TO OCCUR.
- REINFORCEMENT, F81 UNLESS OTHERWISE SPECIFIED, SHALL BE CONTINUOUS AROUND CORNERS AND LOCATED AS SHOWN.
- DISTRIBUTION BAR 12 DIA AT 200 CENTRES.
- CONCRETE SHALL BE NORMAL CLASS N32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379. EXPOSURE CLASSIFICATION UP TO AND INCLUDING B1.
- EXPOSED EDGES SHALL HAVE 20 x 20 CHAMFERS.
- RAILS WITHIN SECTION "D" SHALL BE EVENLY SPACED. THE MAXIMUM SPACING SHALL NOT EXCEED 900mm.
- RAILS ARE 62.3mm DIAMETER GALVANISED TUBES 5.4mm THICK. THESE ARE TO BE GROUTED INTO THE SLOTS IN THE WALLS.
- SLOPE OF ENDWALL TO MATCH BATTER SLOPE. MAXIMUM SLOPE 4 TO 1.
- CONCRETE AGGREGATES SHALL COMPLY WITH TABLE 701.021 OF VICROADS STANDARDS SPECIFICATION SECTION 701.
- ENDWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF AS 3600.



DRIVEABLE CULVERT ENDWALL END ELEVATION
NTS



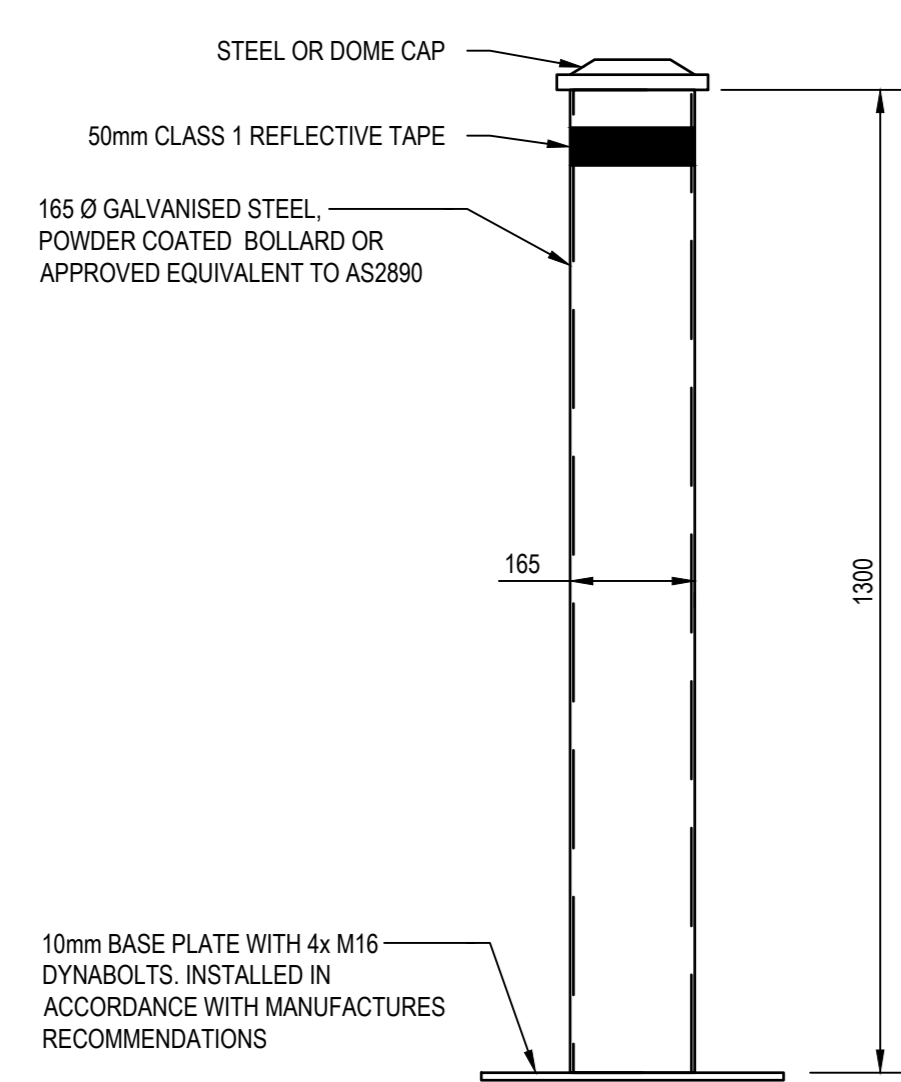
TYPICAL DETENTION AND ORIFICE PIT PLAN
NTS

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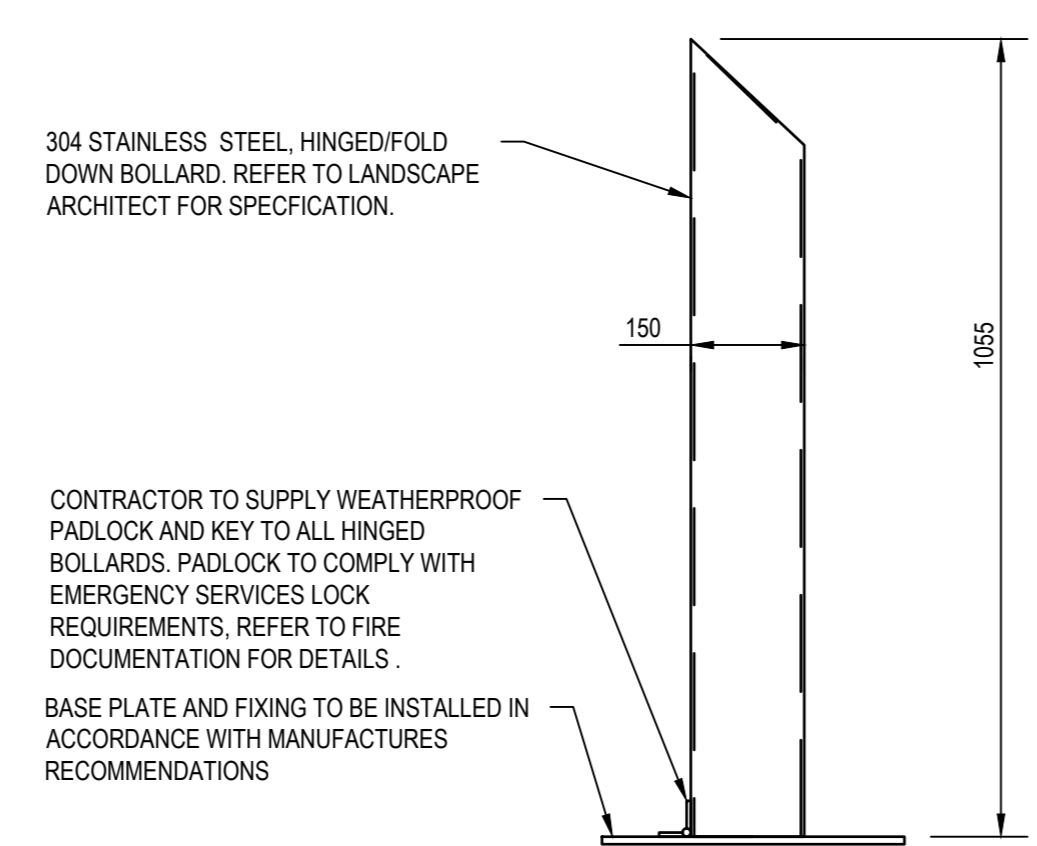


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Checked	MH	Approved	HB
Sheet size	A0	Scale	AS SHOWN
Sheet title	TYPICAL CIVIL DETAILS SHEET 3 OF 4		
Sheet number	CI-00302	Revision	01
Author	TENDER		

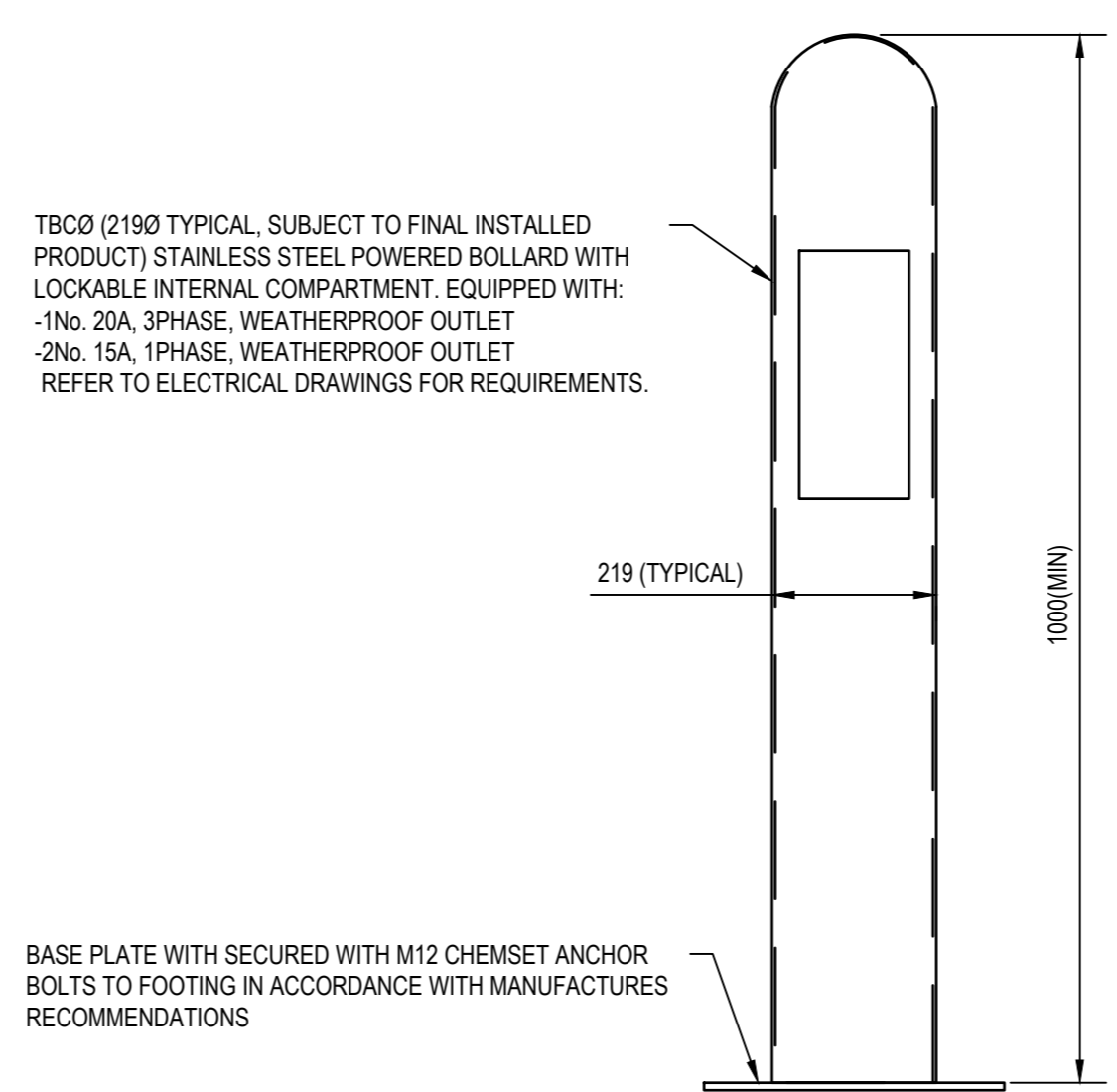
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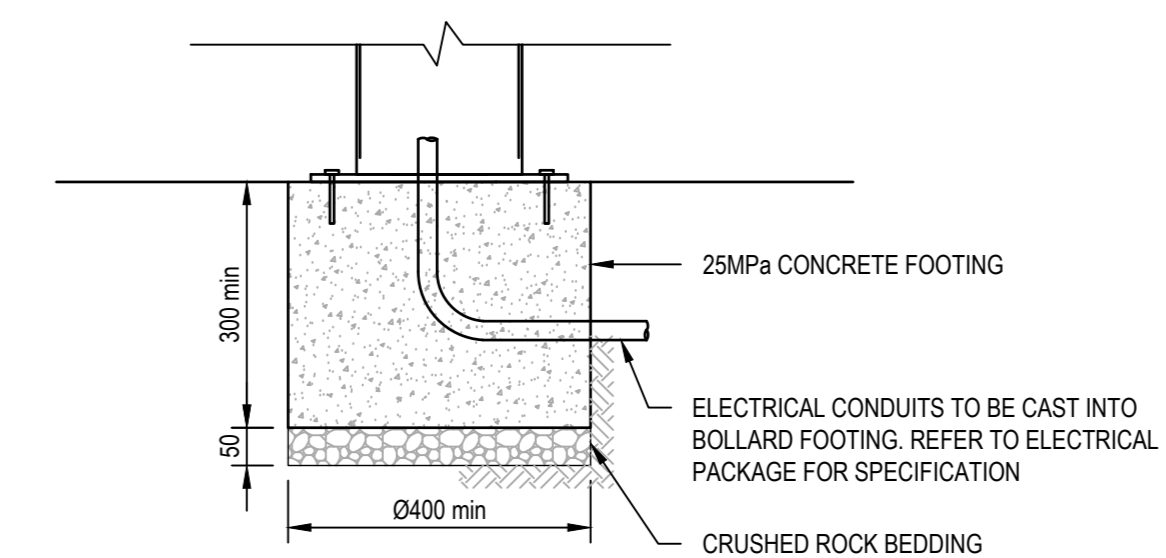
BOLLARD TYPE 1
DDA PARKING BOLLARD TYPICAL DETAIL (BO1)
 SCALE 1:10



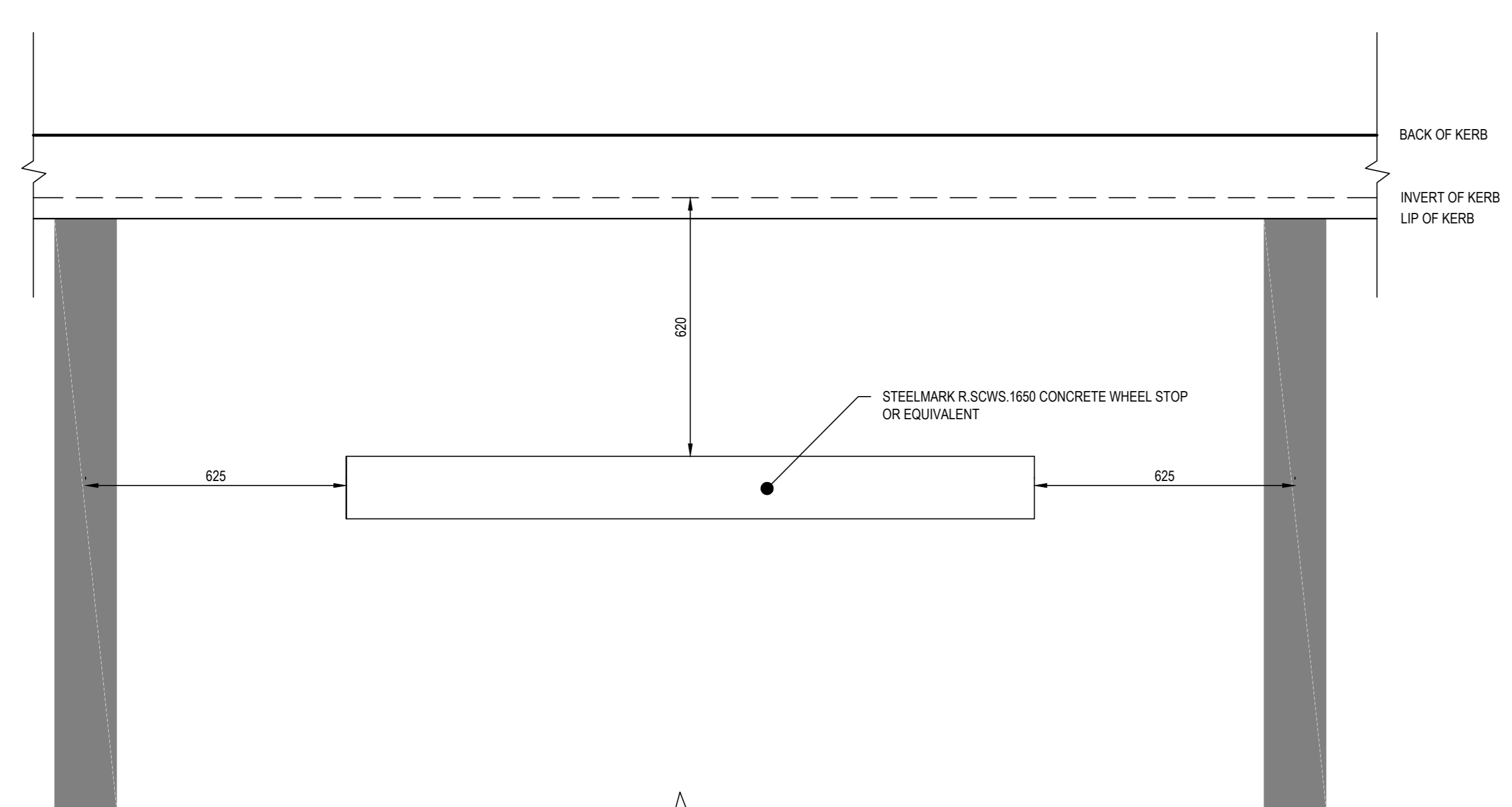
BOLLARD TYPE 2
HINGED/FOLD DOWN BOLLARD TYPICAL DETAIL (BO2)
 SCALE 1:10



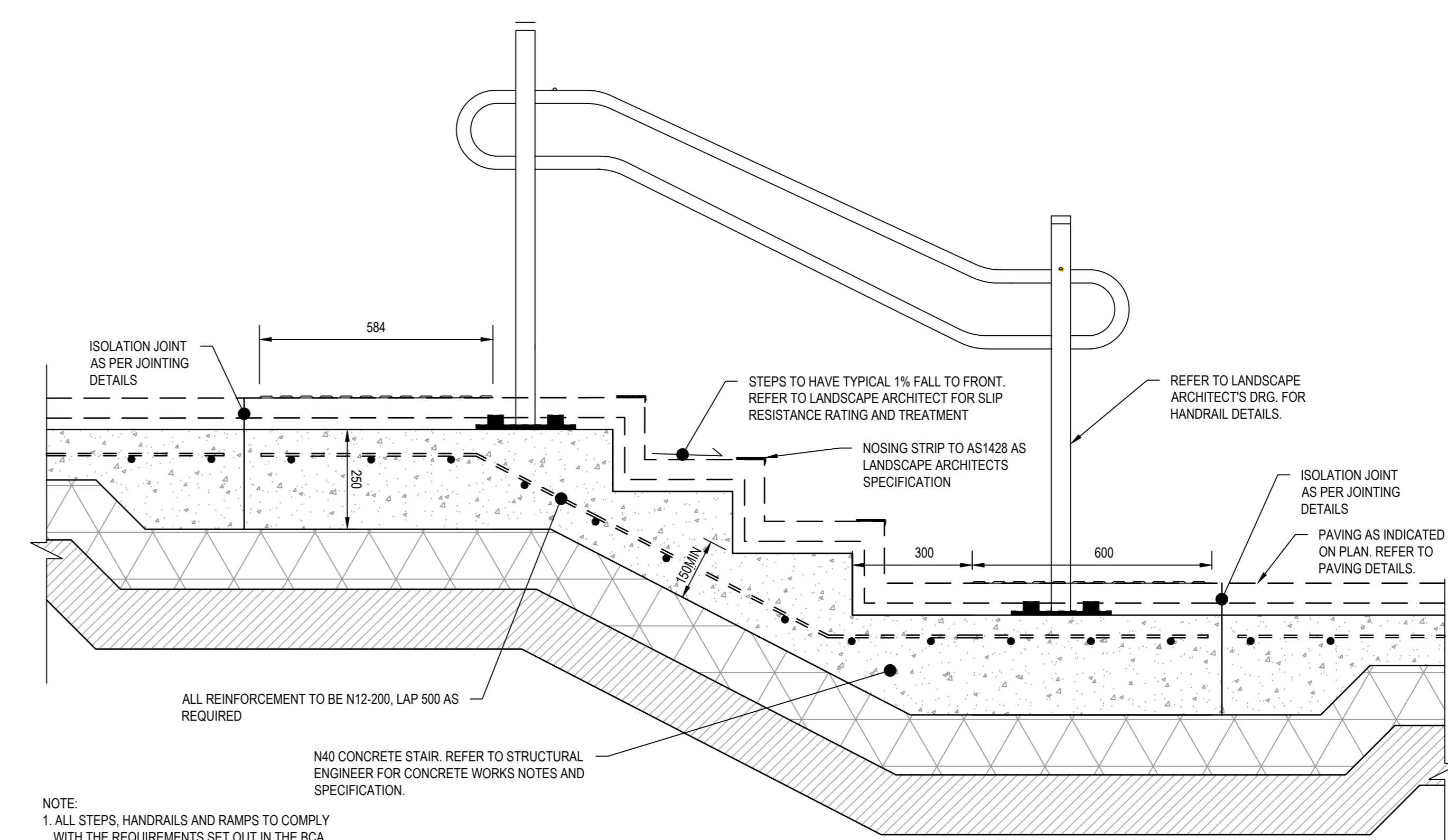
BOLLARD TYPE 3
POWER BOLLARD TYPICAL DETAIL (BO3)
 SCALE 1:10



TYPICAL FOOTING
 SCALE 1: NTS



WHEELSTOP (WS) DETAILS
 SCALE 1: NTS



NOTE:
 1. ALL STEPS, HANDRAILS AND RAMPS TO COMPLY WITH THE REQUIREMENTS SET OUT IN THE BCA NCC 2019 AND AS1428.
 2. REFER TO LANDSCAPE AND LIGHTING PACKAGES TO COORDINATE FINISHES, HANDRAILS, LIGHTING AND SETOUT DIMENSIONS.

TYPICAL STAIR DETAIL
 SCALE 1:10

Project
MORGAN STREET REDEVELOPMENT

Client
WATHAURONG ABORIGINAL CO-OPERATIVE

Drawn by
W-B WOODS BAGOT

Checked by
 MH

Approved by
 HB

Sheet size
 A0

Scale
 25mm

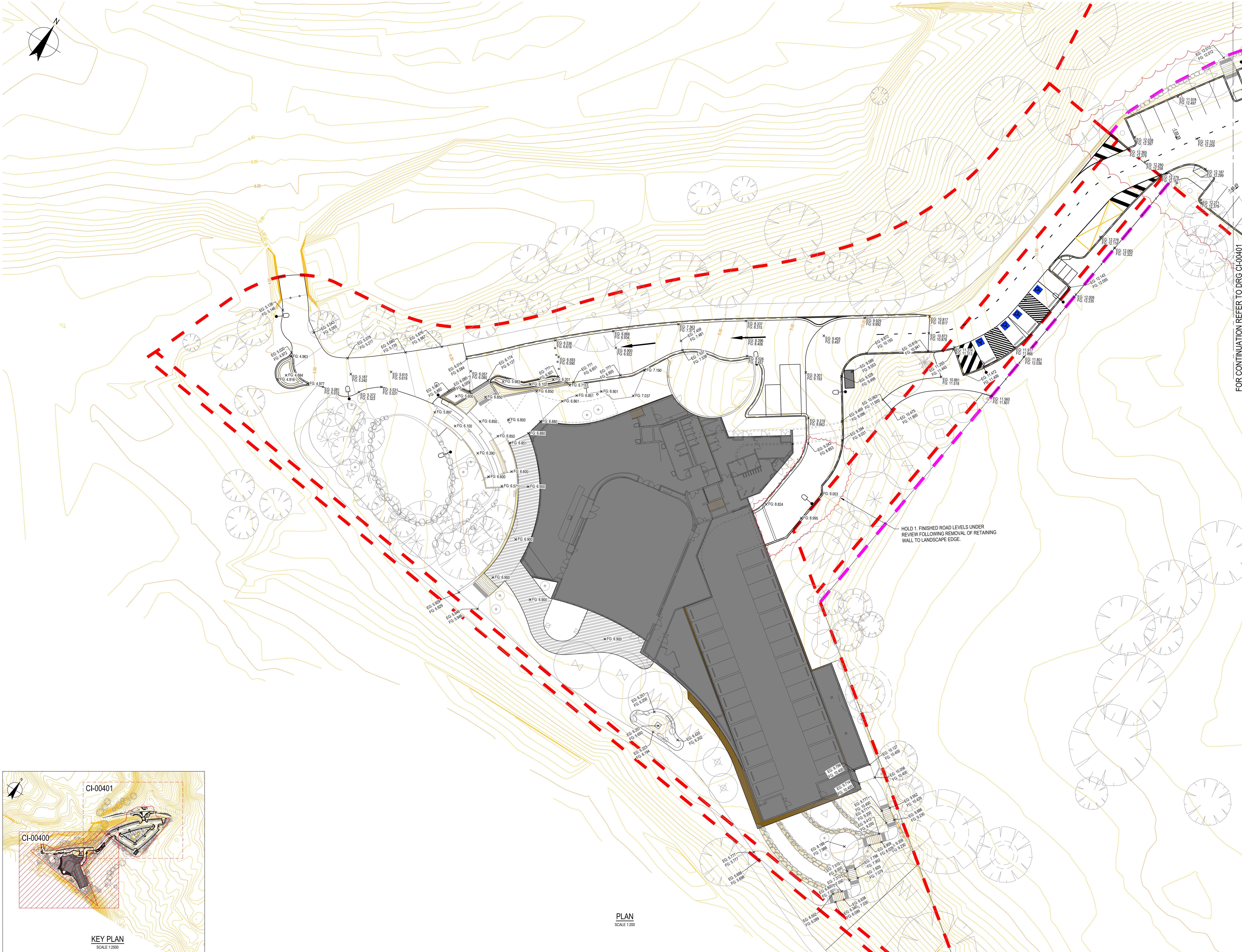
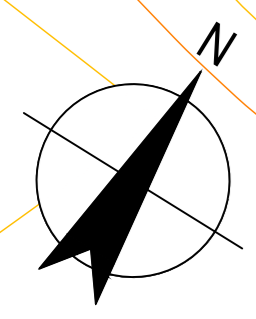
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Sheet number
TYPICAL CIVIL DETAILS SHEET 4 OF 4

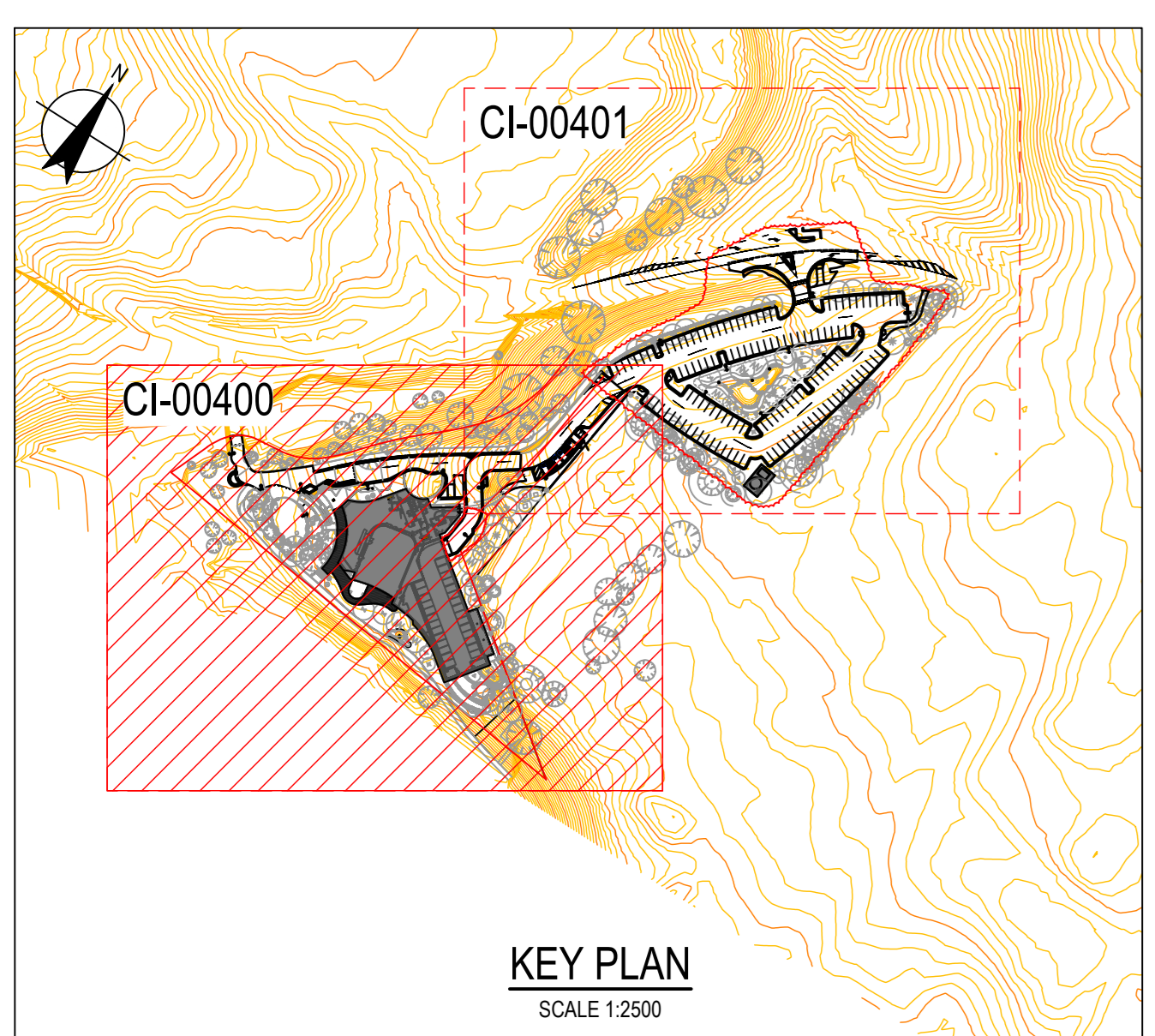
Sheet number
 CI-00303

Revision
 01

Status
TENDER



FOR CONTINUATION REFER TO DRG CI-00401



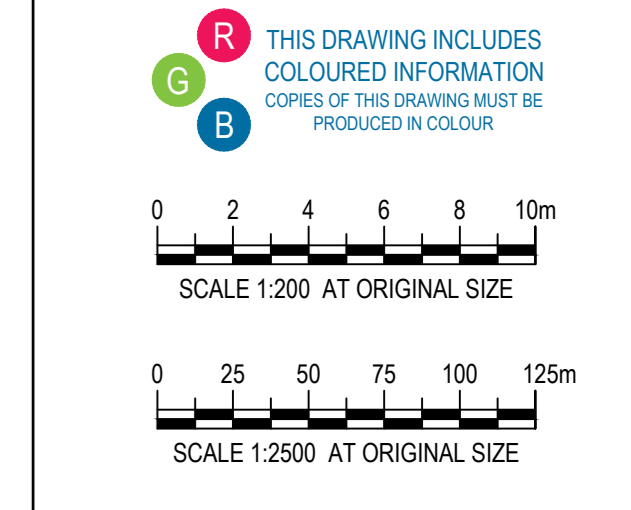
PLAN
SCALE 1:200

#	Date	Description	By
1	12/12/24	ISSUED FOR TENDER	

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Project
MORGAN STREET
REDEVELOPMENT



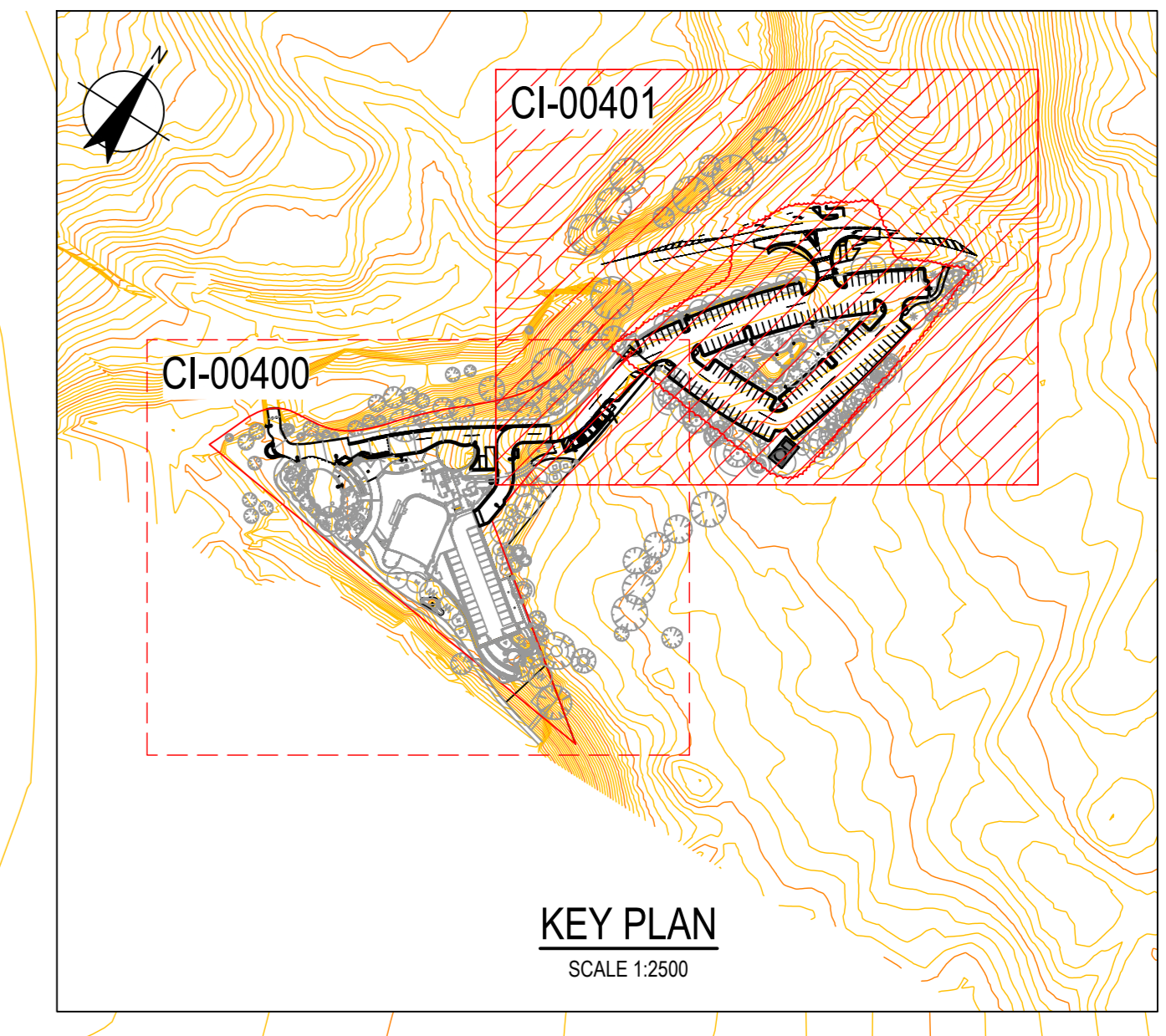
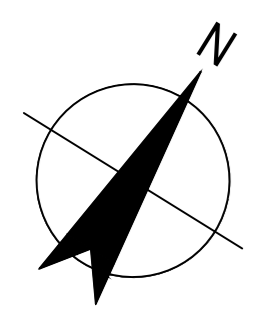
Client
WATHAURONG ABORIGINAL
CO-OPERATIVE



Project number 12613952	Size check 25mm
Checked MH	Approved HB
Sheet size A0	Scale 1:250

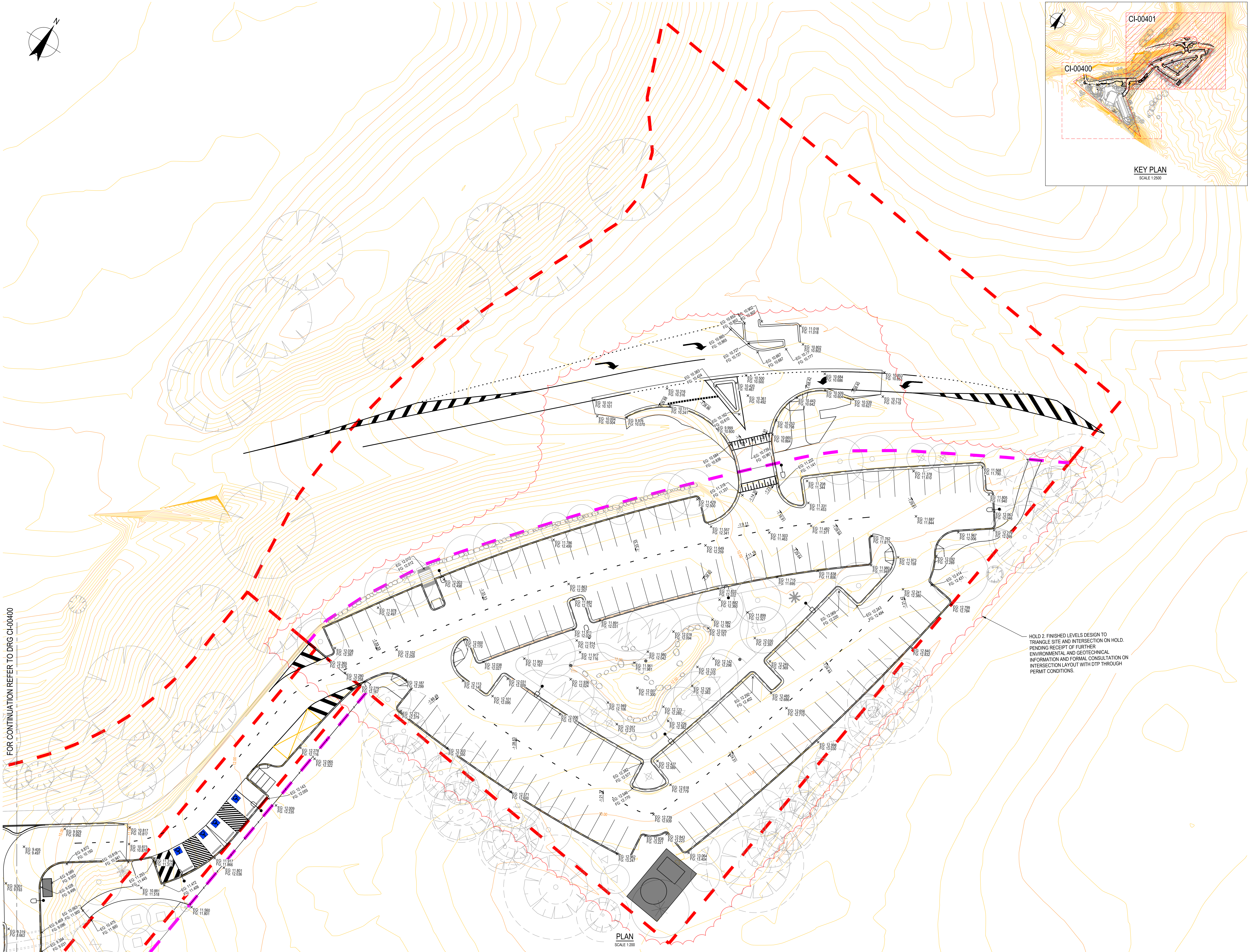
Sheet title
GRADING, LEVELS AND SETOUT PLAN
SHEET 1 OF 2

Sheet number CI-00400	Revision 01
Date TENDER	



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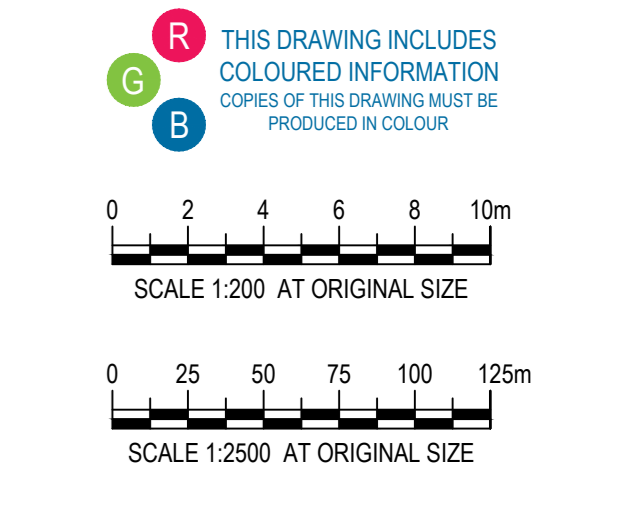
HOLD 2 FINISHED LEVELS DESIGN TO TRIANGLE SITE AND INTERSECTION ON HOLD. PENDING RECEIPT OF FURTHER ENVIRONMENTAL AND GEOTECHNICAL INFORMATION AND FORMAL CONSULTATION ON INTERSECTION LAYOUT WITH DTP THROUGH PERMIT CONDITIONS.

FOR CONTINUATION REFER TO DRG CI-00400

PLAN
SCALE 1:200



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Project
MORGAN STREET REDEVELOPMENT



Client
WATHAURONG ABORIGINAL CO-OPERATIVE



Project number	Size check
12613952	25mm
Checked	Approved
MH	HB
Sheet size	Scale
A0	1:200

Sheet title
GRADING, LEVELS AND SETOUT PLAN SHEET 2 OF 2

Sheet number	Revision
CI-00401	01
Date:	TENDER

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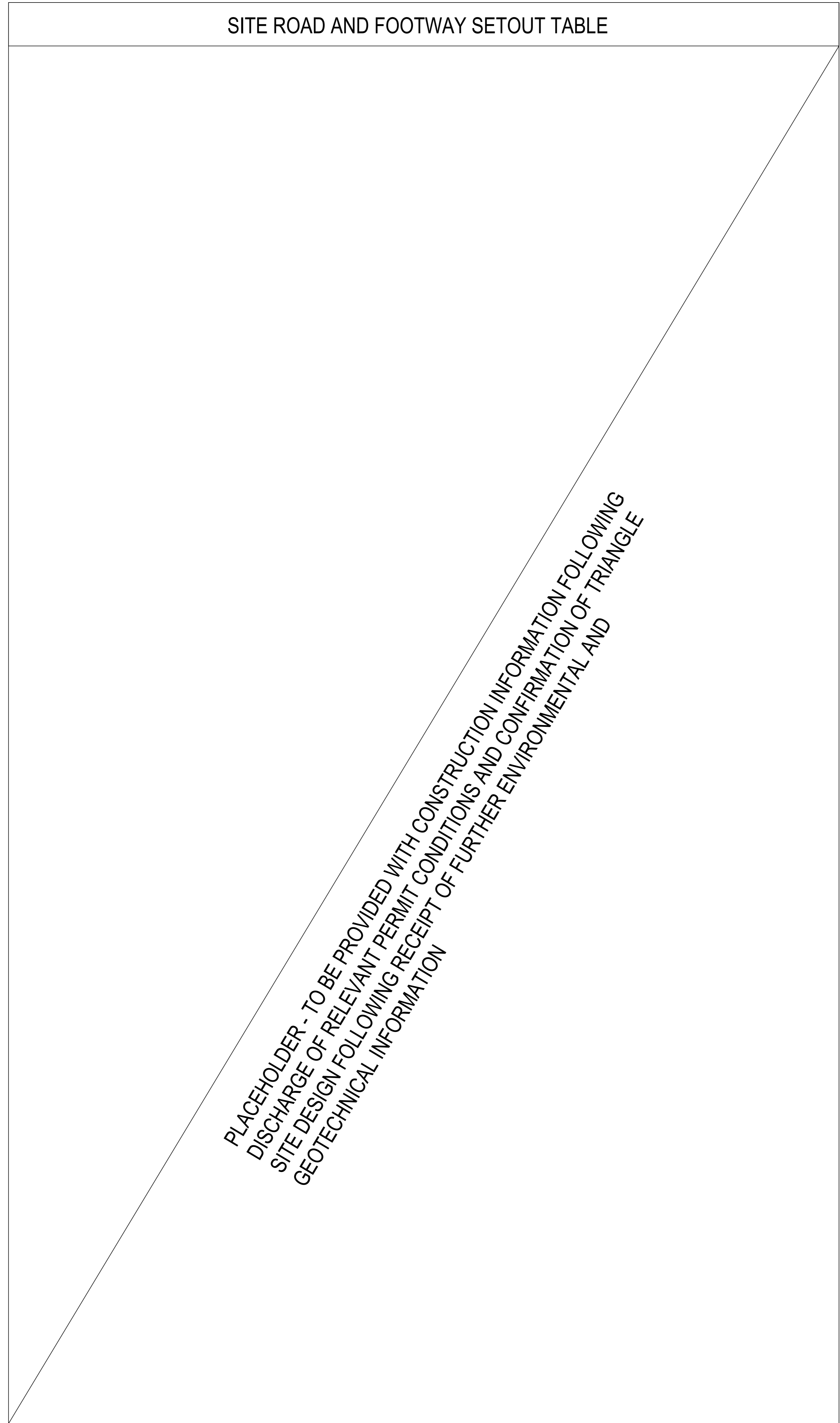
CONTROL LINE ROAD E01 - MORGAN STREET							
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	RADIUS	A.LENGTH	DEFLANGLE
IP 1	0.000	267889.327	5779940.253	15.576			
IP 2	126.706	267760.283	5779956.884	12.305	-155.000	122.554	45°18'07.18"
IP 3	198.417	267701.050	5779910.676	10.491	-203.250	20.868	5°52'57.37"
IP 4	255.762	267659.682	5779870.949	8.706			
IP 5	426.411	267537.084	5779744.061	6.620	150.000	138.337	52°50'27.67"
IP 6	594.917	267364.512	5779765.825	12.498	-6000.000	43.614	0°29'59.21"
IP 7	616.724	267342.844	5779768.291	12.870			

CONTROL LINE ROAD D01 - MORGAN STREET TO CARPARK				
PT	CHAINAGE	EASTING	NORTHING	HEIGHT
IP 1	0.000	267708.899	5779916.798	10.594
IP 2	12.877	267716.843	5779906.864	10.884
IP 3	30.643	267728.836	5779893.556	11.466

CONTROL LINE ROAD D02 - EXISTING BRIDGE TO CARPARK							
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	RADIUS	A.LENGTH	DEFLANGLE
IP 1	0.000	267545.685	5779767.106	6.509			
IP 2	8.333	267549.277	5779759.553	6.560	-50.000	12.242	14°01'43.23"
IP 3	14.454	267553.187	5779754.804	6.243			
IP 4	43.538	267571.808	5779732.462	5.112			
IP 5	45.047	267572.825	5779731.332	5.063	-10.219	3.018	16°55'14.79"
IP 6	46.556	267574.126	5779730.547	5.023			
IP 7	51.224	267578.531	5779727.824	5.022	-8.678	9.338	61°39'52.85"
IP 8	55.893	267583.018	5779730.408	5.202			
IP 9	62.178	267588.735	5779733.031	5.582	-135.446	12.570	5°19'01.88"
IP 10	68.463	267594.184	5779736.173	5.787			
IP 11	77.284	267601.623	5779740.954	6.080	-102.961	17.643	9°49'04.03"
IP 12	86.106	267608.137	5779746.933	6.373			
IP 13	106.557	267622.700	5779761.392	7.057	201.500	40.903	11°37'49.85"
IP 14	127.008	267639.879	5779772.619	8.551			
IP 15	150.816	267659.647	5779785.887	10.503			
IP 16	156.940	267664.722	5779789.316	10.957			
IP 17	163.861	267670.599	5779793.678	11.587	-17.200	13.841	46°16'20.76"
IP 18	170.781	267671.531	5779800.938	11.873			
IP 19	193.795	267674.459	5779823.765	12.147			
IP 20	195.907	267674.639	5779825.911	12.179	8.793	4.224	27°31'23.64"
IP 21	198.019	267675.790	5779827.731	12.212			
IP 22	205.414	267679.940	5779833.852	12.257			
IP 23	240.275	267699.218	5779862.966	12.259	300.000	49.833	9°31'02.70"
IP 24	285.892	267730.426	5779896.401	11.509	200.000	38.977	11°09'57.83"
IP 25	325.394	267762.513	5779919.548	12.101			


CONTROL LINE ROAD D03 - AROUND CARPARK							
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	RADIUS	A.LENGTH	DEFLANGLE
IP 1	0.000	267885.430	5779842.143	12.259			
IP 2	29.032	267714.363	5779839.100	12.338	-220.000	41.053	10°41'29.58"
IP 3	53.048	267738.811	5779841.105	12.938	-6.000	6.978	66°38'21.52"
IP 4	82.837	267748.510	5779869.804	12.705	-350.000	52.599	8°36'38.09"
IP 5	115.114	267754.186	5779901.793	12.257	-7.100	5.684	45°52'08.37"
IP 6	124.480	267748.612	5779899.520	11.844			

CONTROL LINE ROAD D04 - BASEMENT PARKING ACCESS ROAD							
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	RADIUS	A.LENGTH	DEFLANGLE
IP 1	0.000	267649.454	5779779.045				
IP 2	20.285	267660.852	5779782.064	8.936	9.500	6.991	42°09'46.96"
IP 3	35.878	267658.575	5779746.443	8.858	5.000	2.509	28°44'56.43"
IP 4	37.416	267657.632	5779745.193	8.850			




HOLD PENDING DISCHARGE OF RELEVANT PERMIT CONDITIONS AND CONFIRMATION OF TRIANGLE SITE DESIGN FOLLOWING RECEIPT OF FURTHER ENVIRONMENTAL AND GEOTECHNICAL INFORMATION

Project
MORGAN STREET REDEVELOPMENT



Client
WATHAURONG ABORIGINAL CO-OPERATIVE

Issuer
W-B WOODS BAGOT 

Project number
12613952

Size check
 25mm

Checked
 MH HB A0 1:250

Sheet title
SETOUT TABLES

Sheet number
CI-00403

Revision
01

Date
TENDER



PLAN
SCALE 1:400

#	Status	Description	Date
01	ISSUED FOR TENDER		12.12.24

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0 4 8 12 16 20m
SCALE 1:400 AT ORIGINAL SIZE

Project
MORGAN STREET REDEVELOPMENT



Client
WATHAURONG ABORIGINAL CO-OPERATIVE

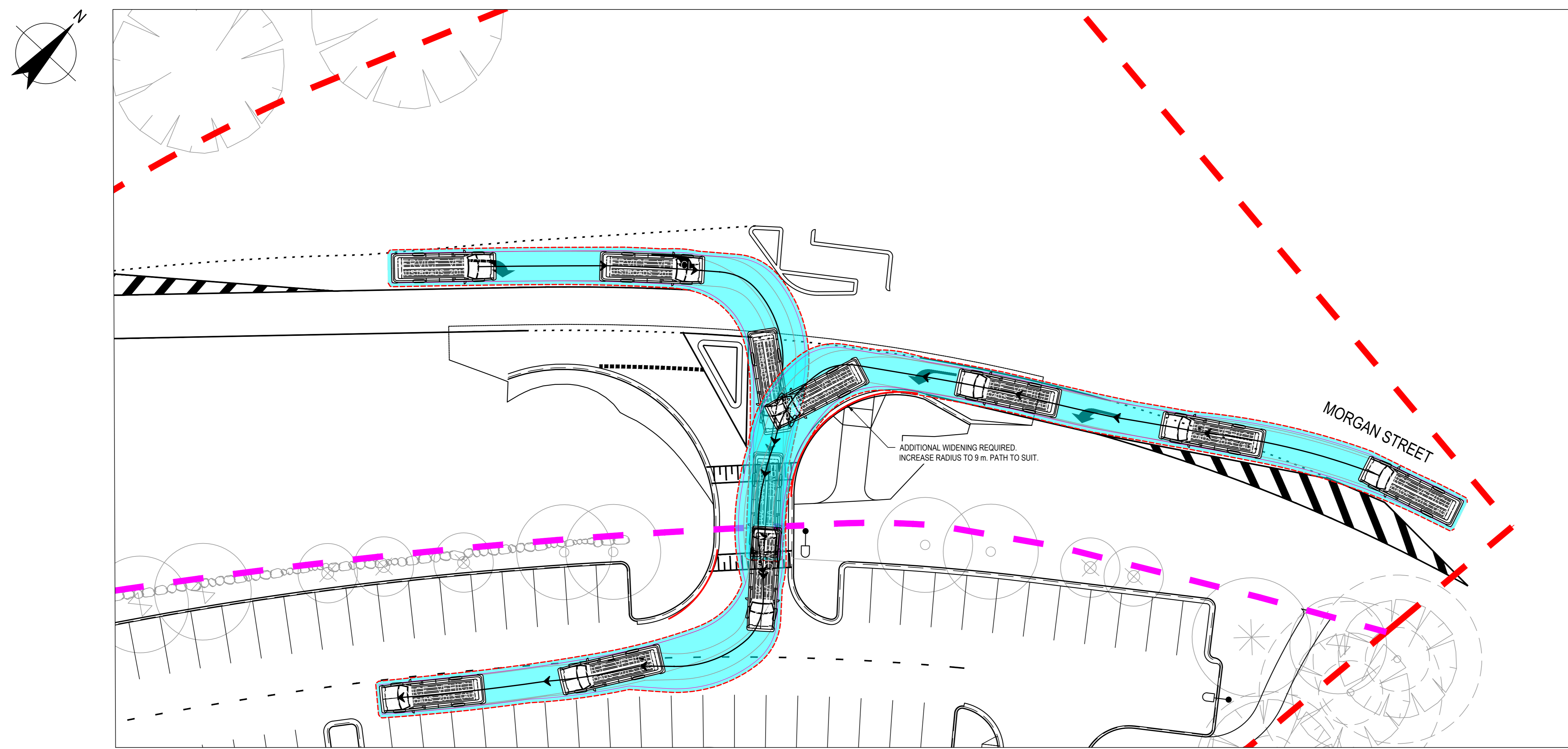


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Checked: MH	Approved: HB
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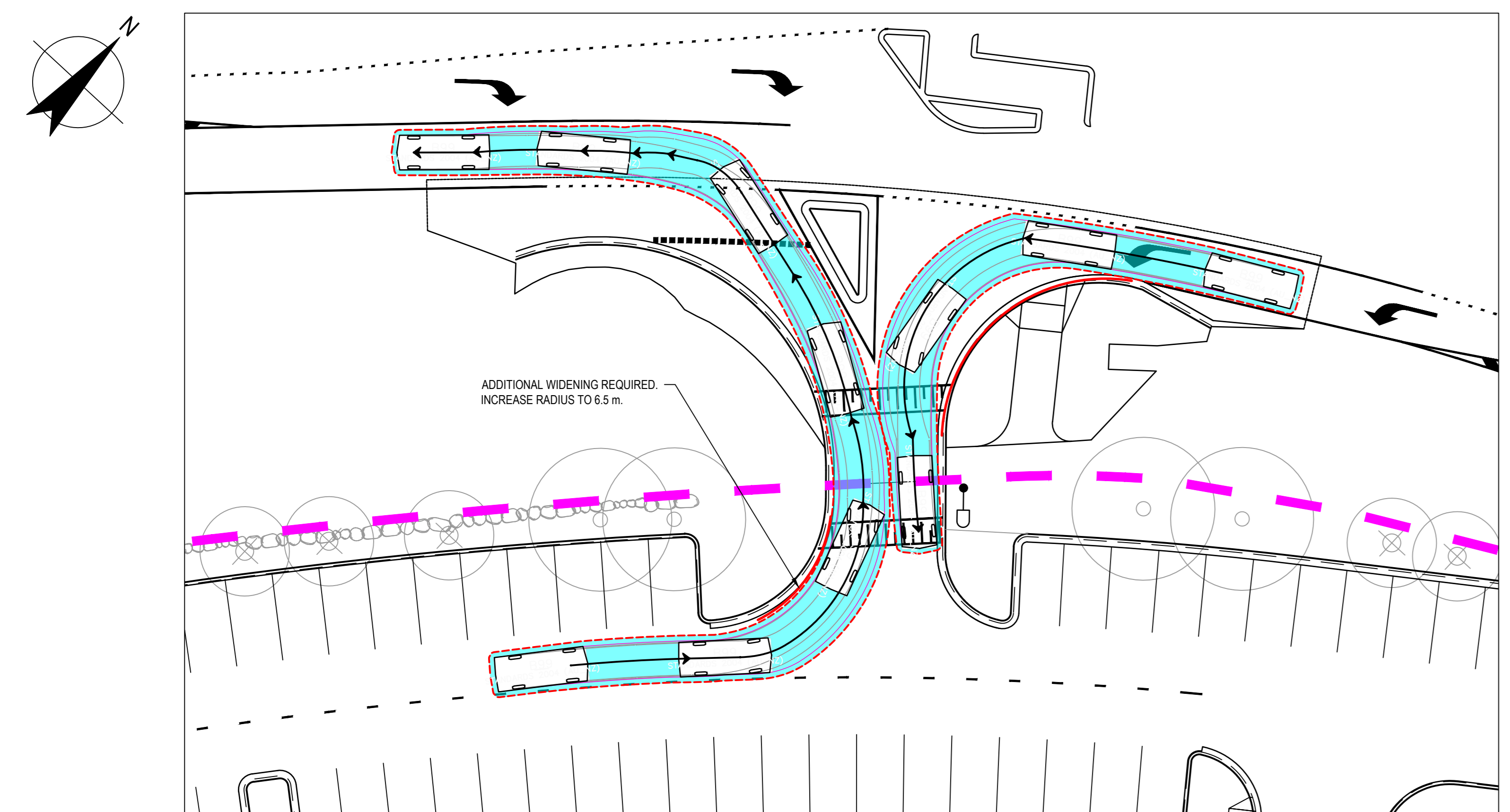
Sheet title
SIGNS AND LINEMARKING PLAN

Sheet number	Revision
CI-00410	01
TENDER	

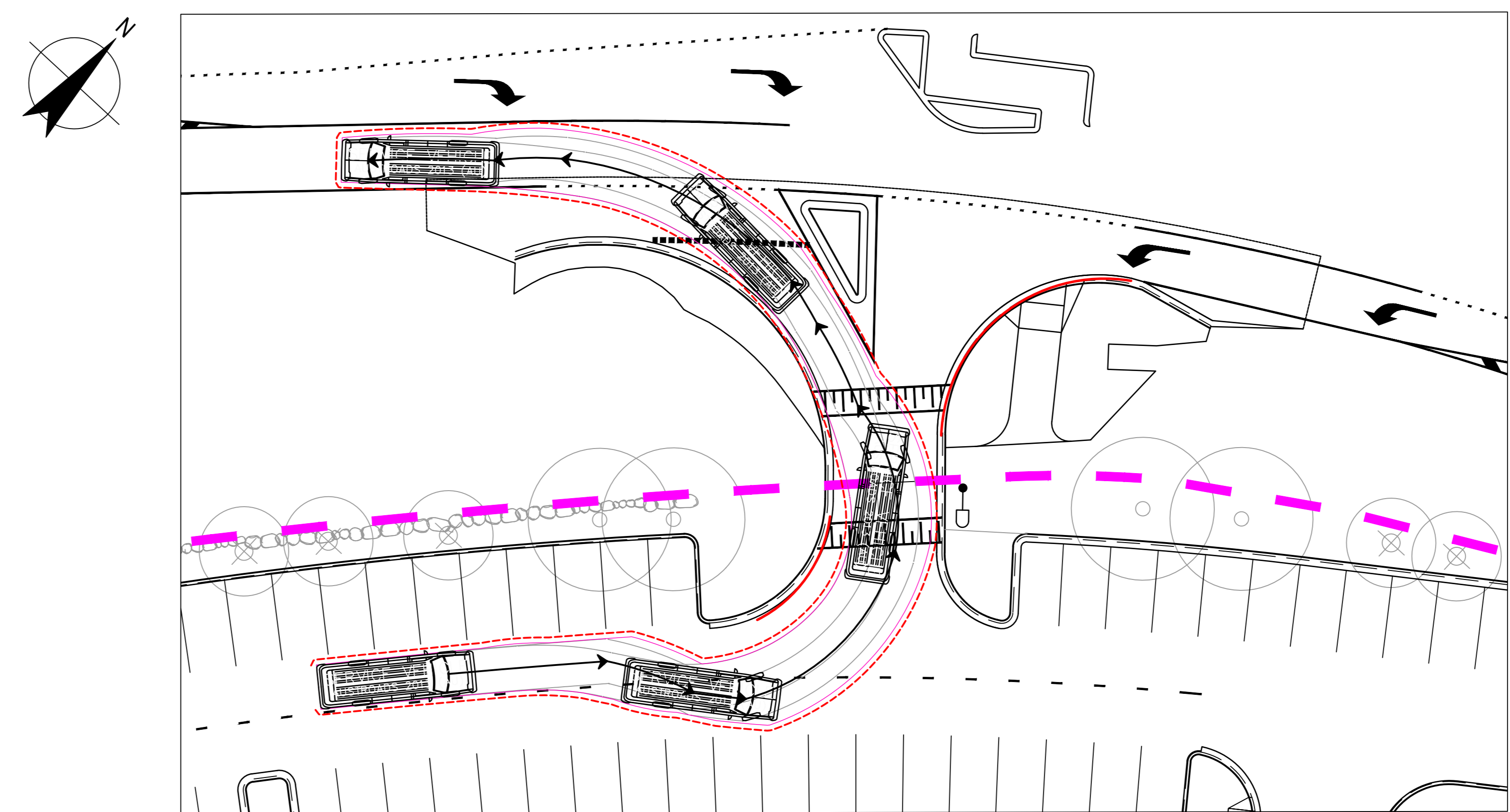
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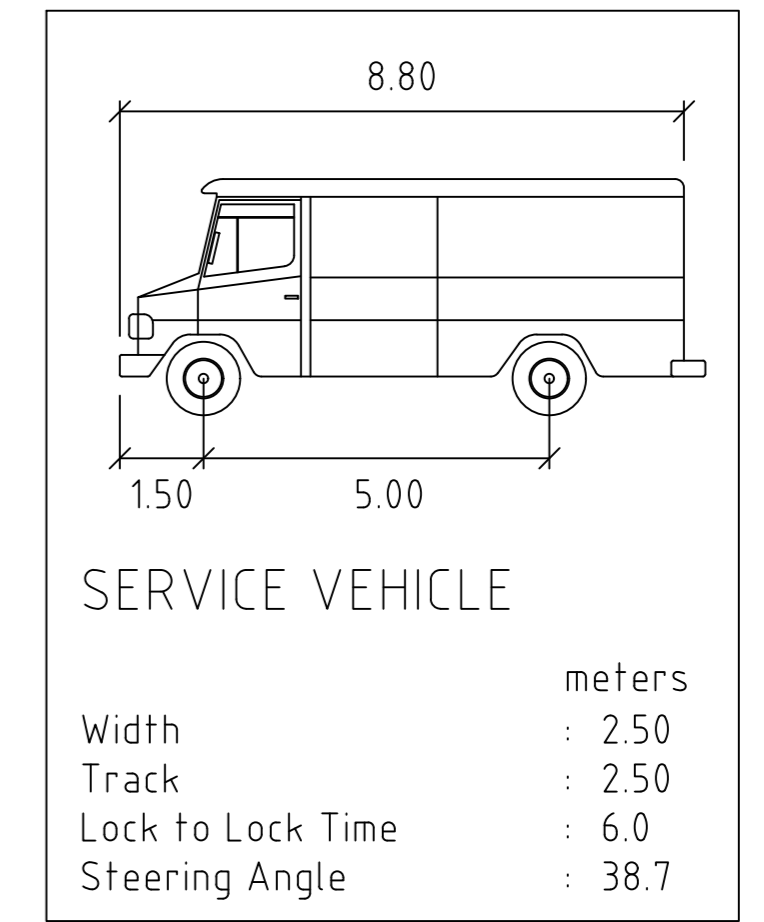
8.8 m BUS TURNING IN MOVEMENTS
 SCALE 1:200



TWO PASSENGER VEHICLE TURNING MOVEMENTS
 SCALE 1:200



8.8 M BUS TURNING OUT MOVEMENT
 SCALE 1:200



VEHICLE DETAILS:
 NTS



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 SCALE 1:200 AT ORIGINAL SIZE

Project
 MORGAN STREET REDEVELOPMENT



Client
 WATHAURONG ABORIGINAL CO-OPERATIVE

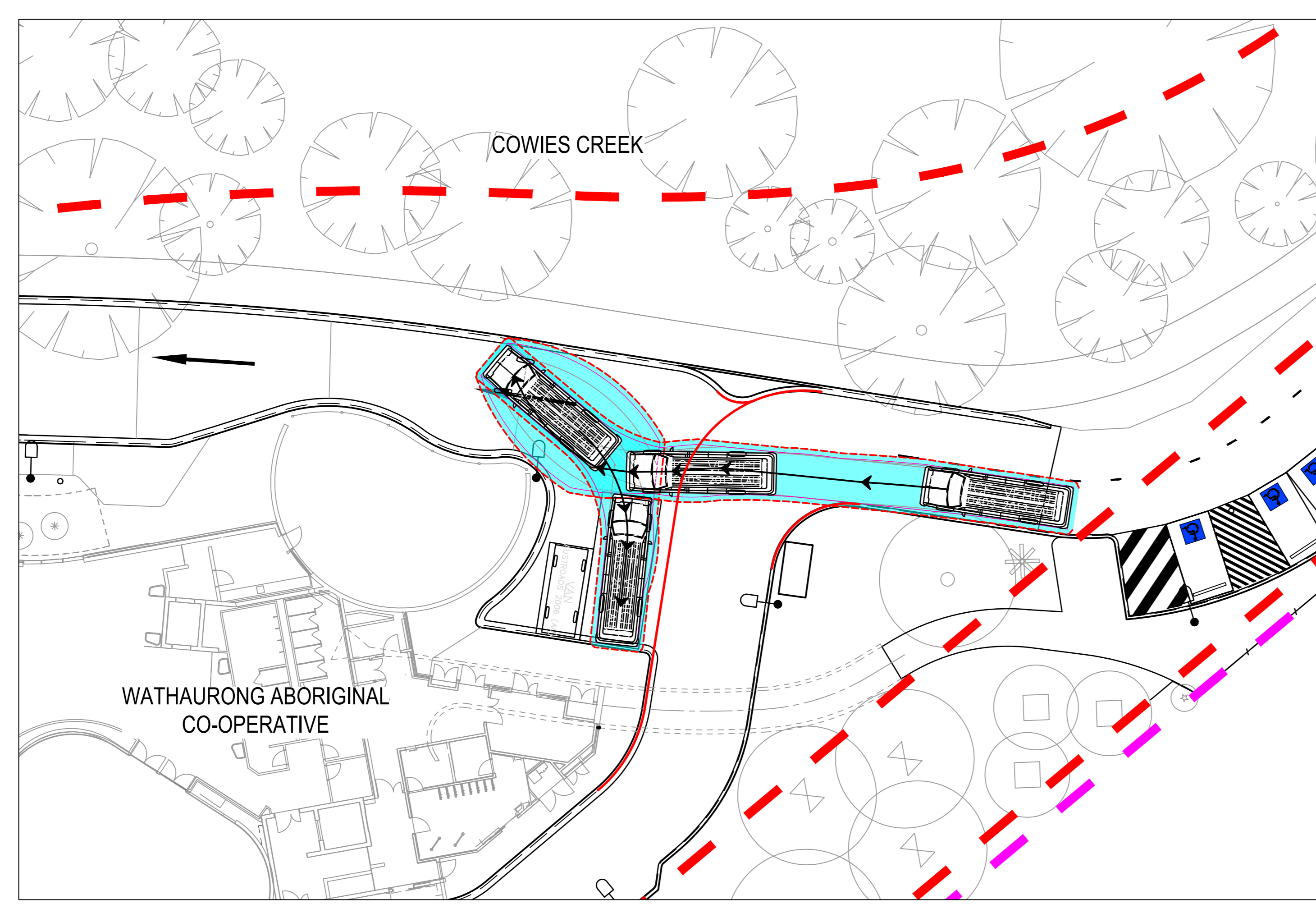
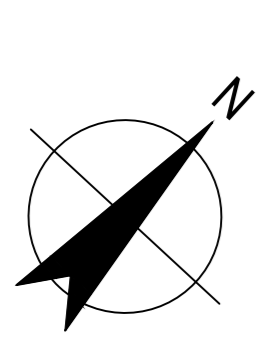


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 Checked: MH Approved: HB Sheet size: A0 Scale: 1:200

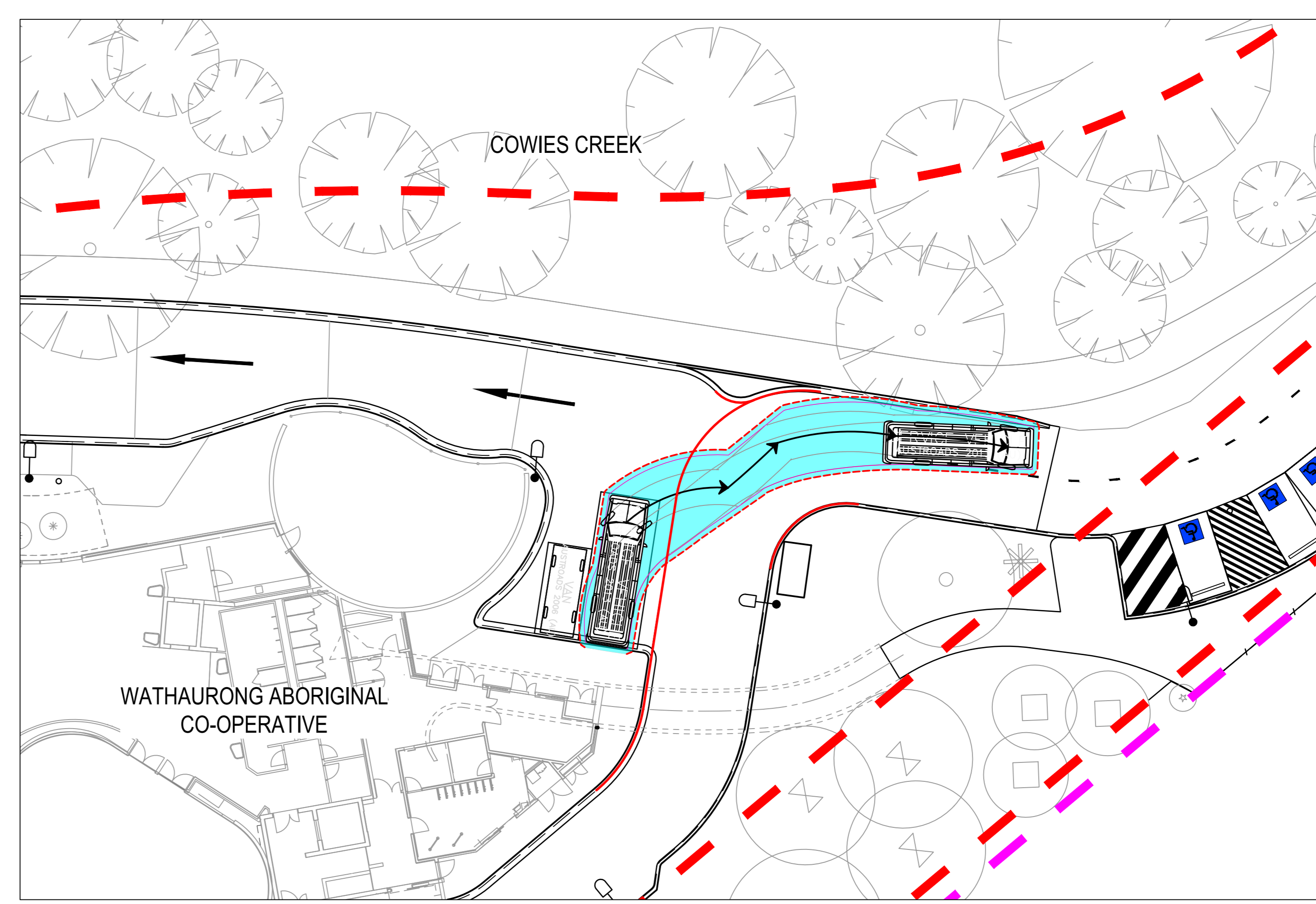
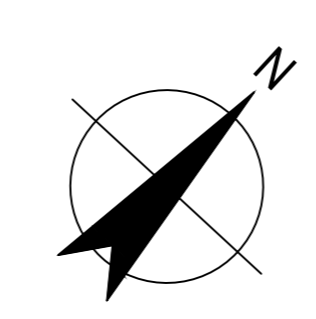
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 SWEPT PATHS INTERSECTION SHEET 1 OF 5

Sheet number: CI-00500
 Revision: 01
 Status: TENDER

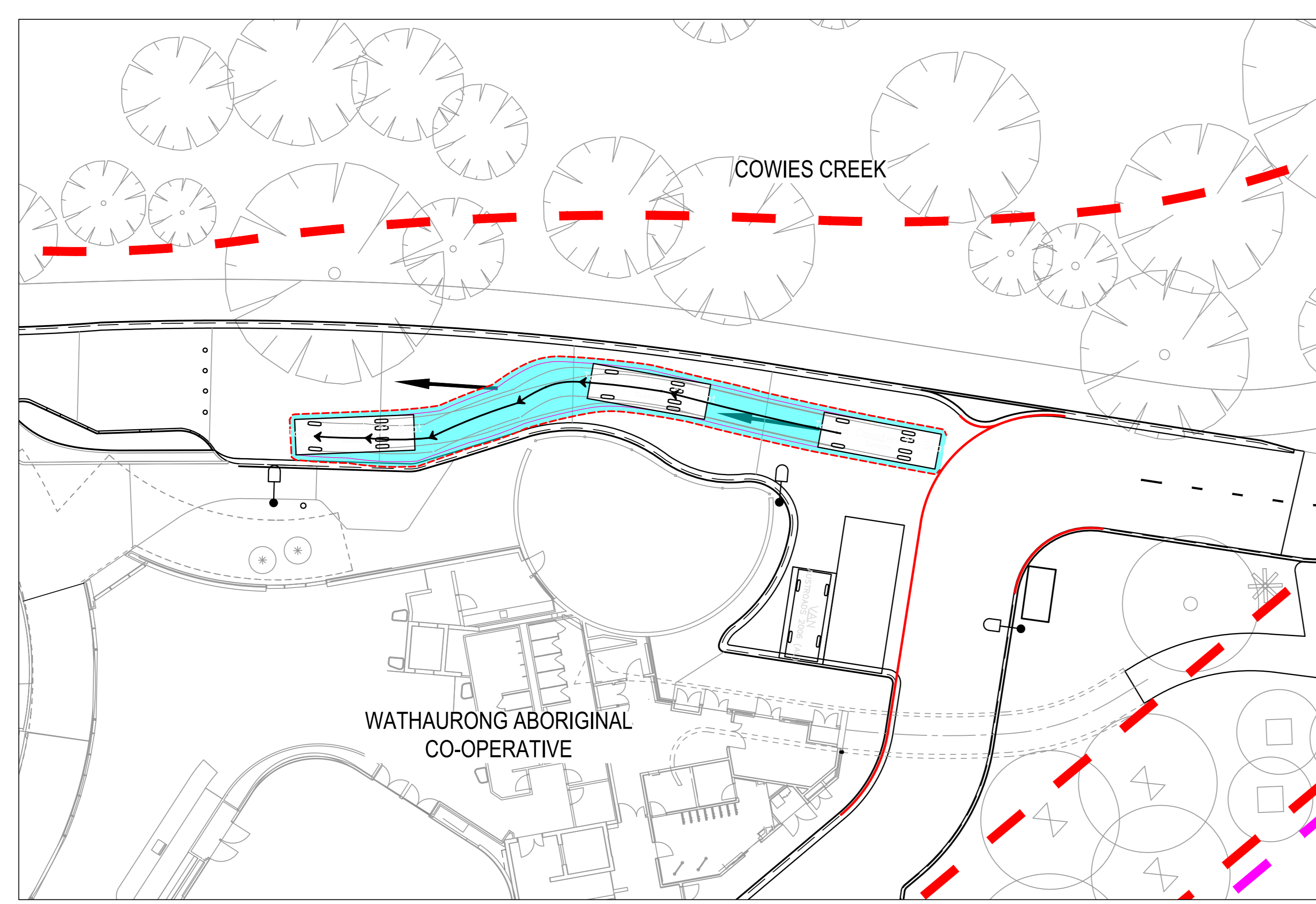
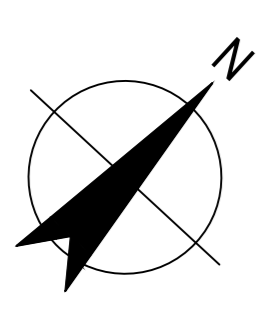
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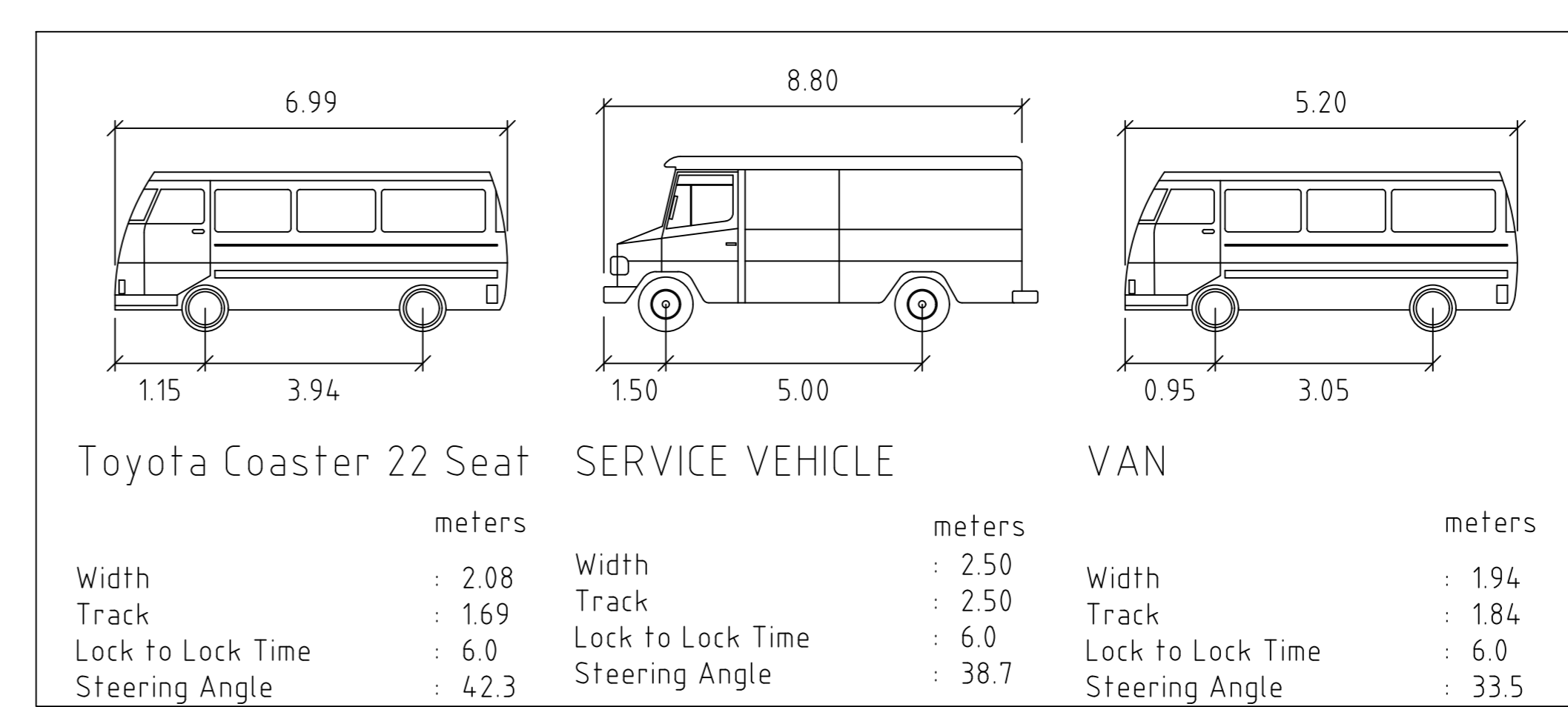
REFUSE TRUCK PARKING MOVEMENT
 SCALE 1:200



REFUSE TRUCK TURNING OUT MOVEMENT
 SCALE 1:200



BUS BAY TURNING IN MOVEMENT
 SCALE 1:200



VEHICLE DETAILS:
 NTS



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SCALE 1:200 AT ORIGINAL SIZE

Project
 MORGAN STREET REDEVELOPMENT



Client
 WATHAURONG ABORIGINAL CO-OPERATIVE

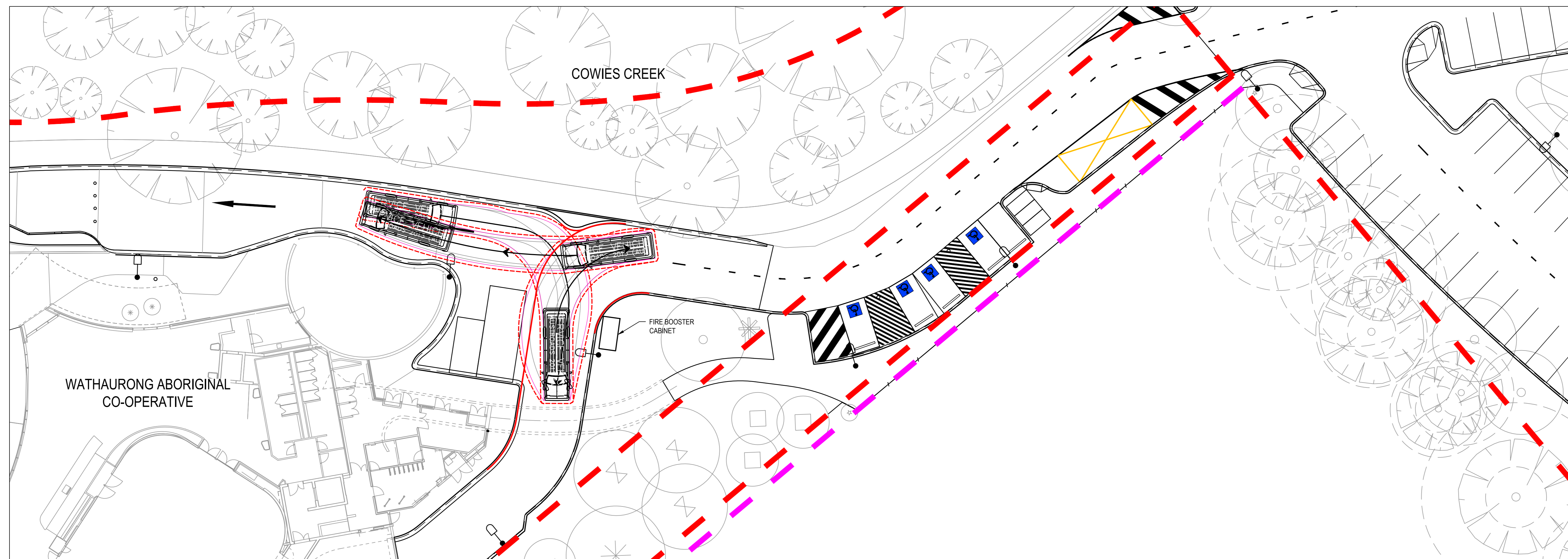
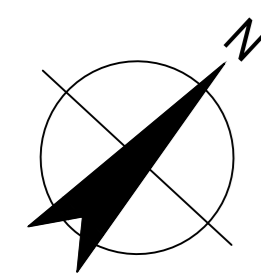


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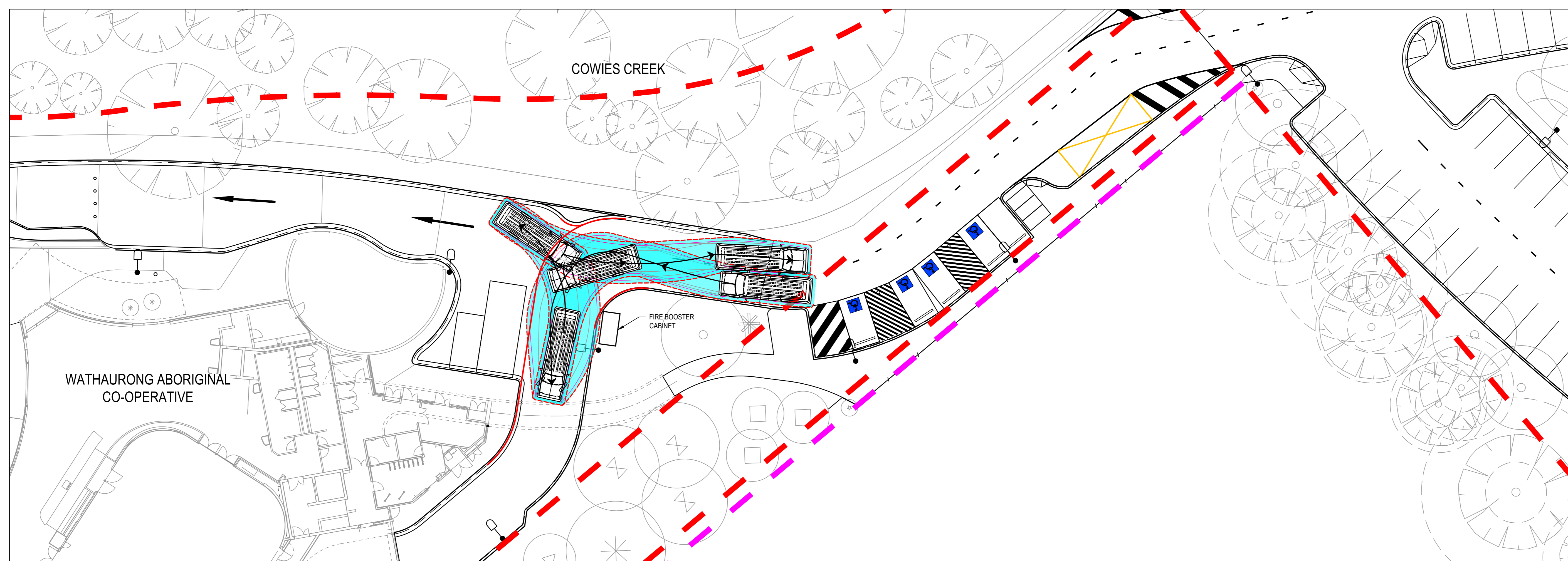
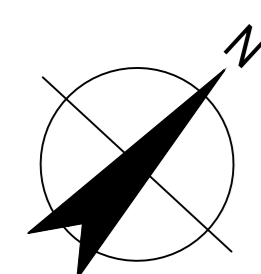
Sheet title
 SWEEP PATHS, LOADING AREA AND BUS BAY
 SHEET 2 OF 5

Sheet number: CI-00501, Revision: 01
 Title: TENDER

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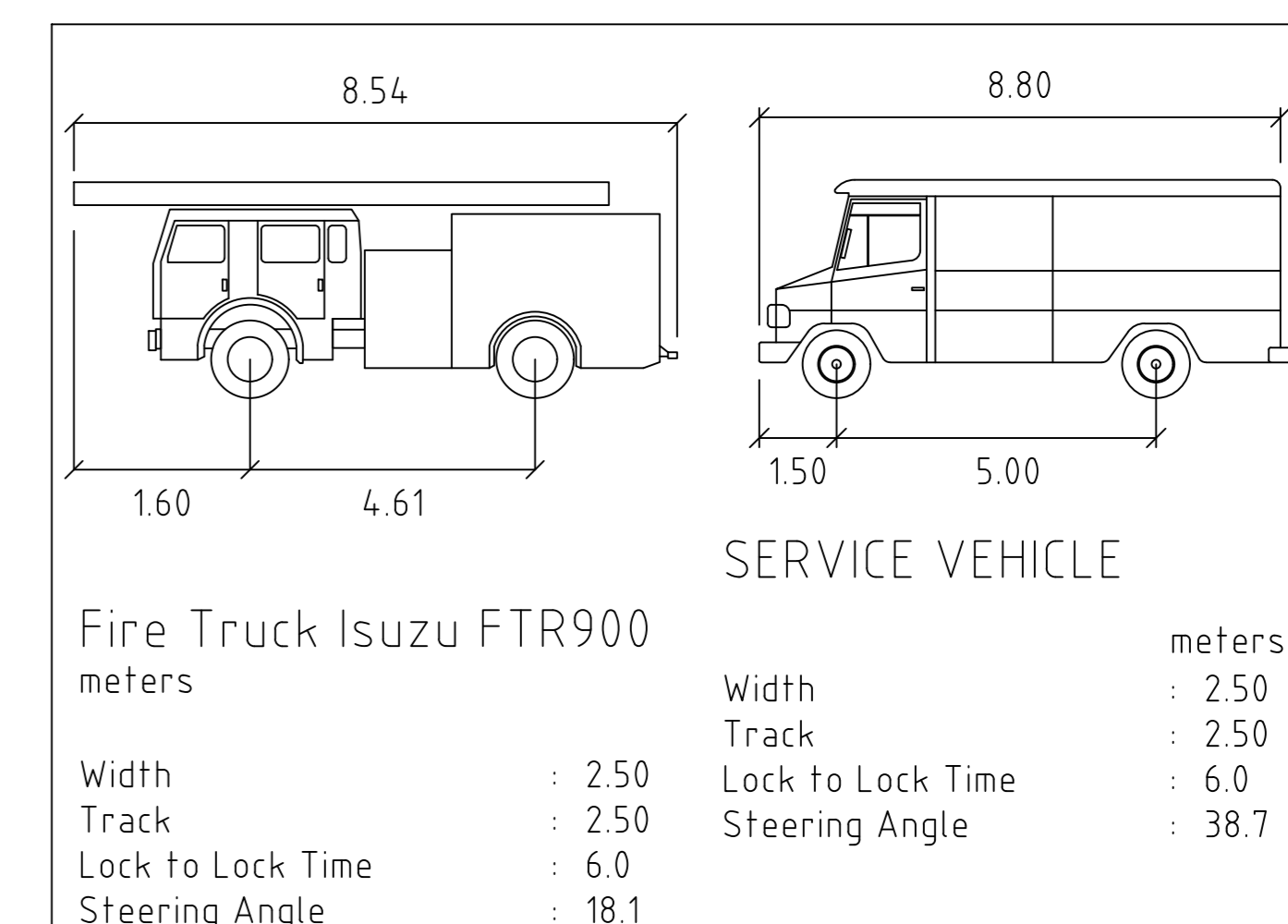


EMERGENCY SERVICE ACCESS TO FIRE BOOSTER
ENTRY FROM AND EXIT TO EXISTING BRIDGE
 SCALE 1: 200



EMERGENCY SERVICE ACCESS TO FIRE BOOSTER
ENTRY FROM AND EXIT TO NEW INTERSECTION
 SCALE 1: 200

* SERVICE VEHICLE TURNING
 MOVEMENT USED FOR
 CONSERVATIVE APPROACH



VEHICLE DETAILS
 NTS



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Project
MORGAN STREET REDEVELOPMENT



Client
WATHAURONG ABORIGINAL CO-OPERATIVE

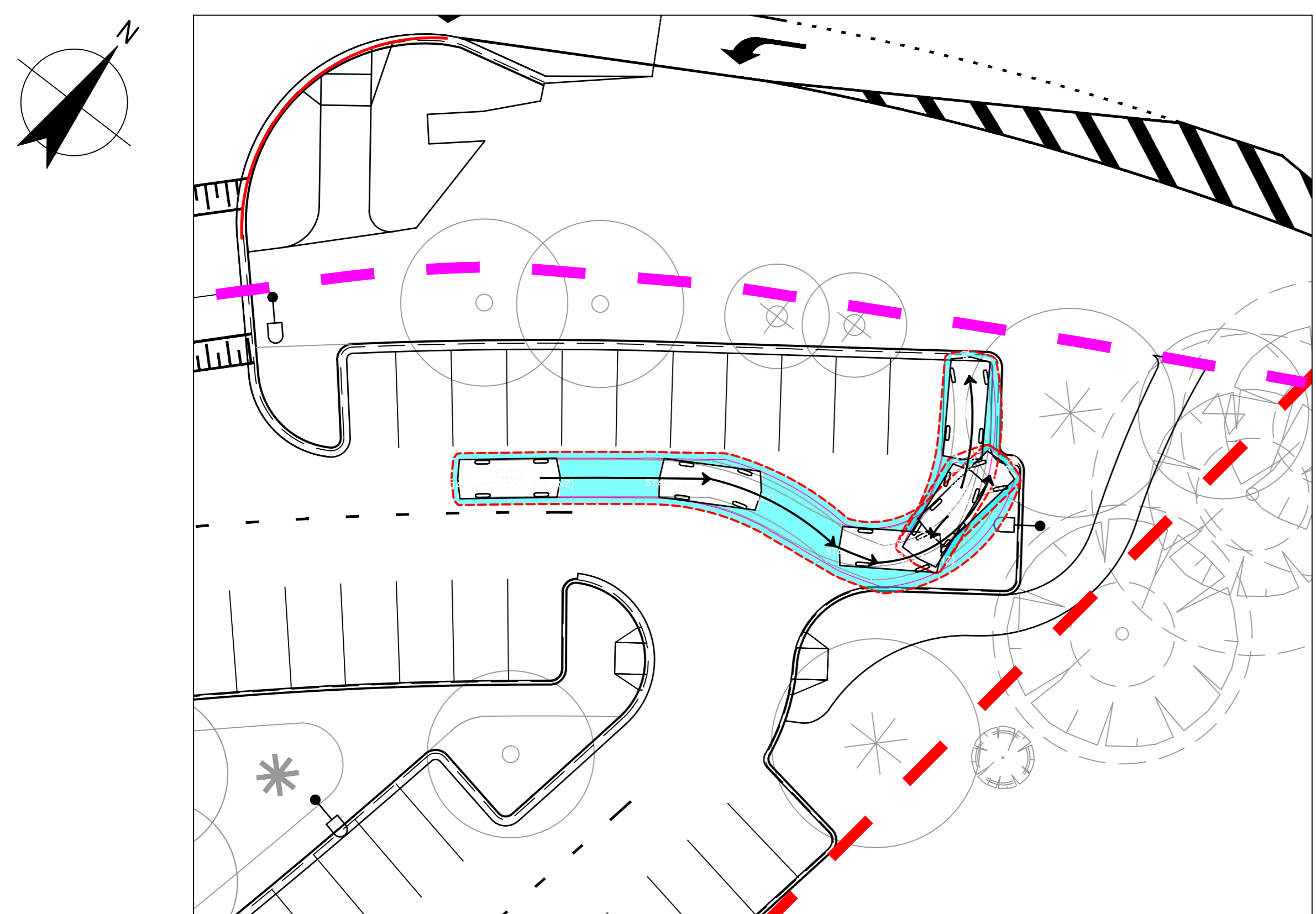


Project number
 12613952
 Checked: MH Approved: HB Sheet size: A0 Scale: 1:200

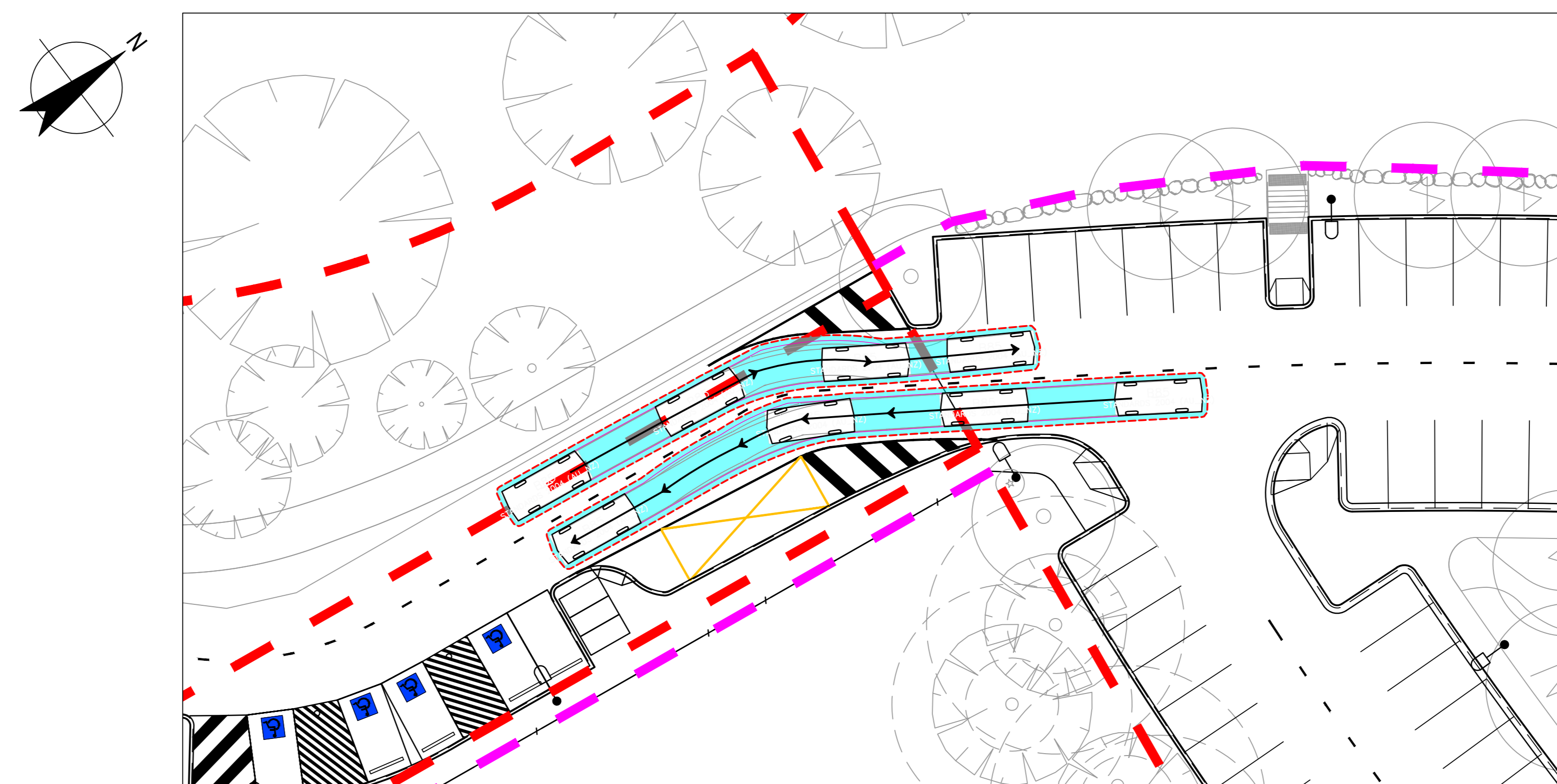
Sheet title
**SWEPT PATHS
 FIRE BOOSTER ACCESS
 SHEET 3 OF 5**

Sheet number
 CI-00502
 Revision
 01
 TENDER

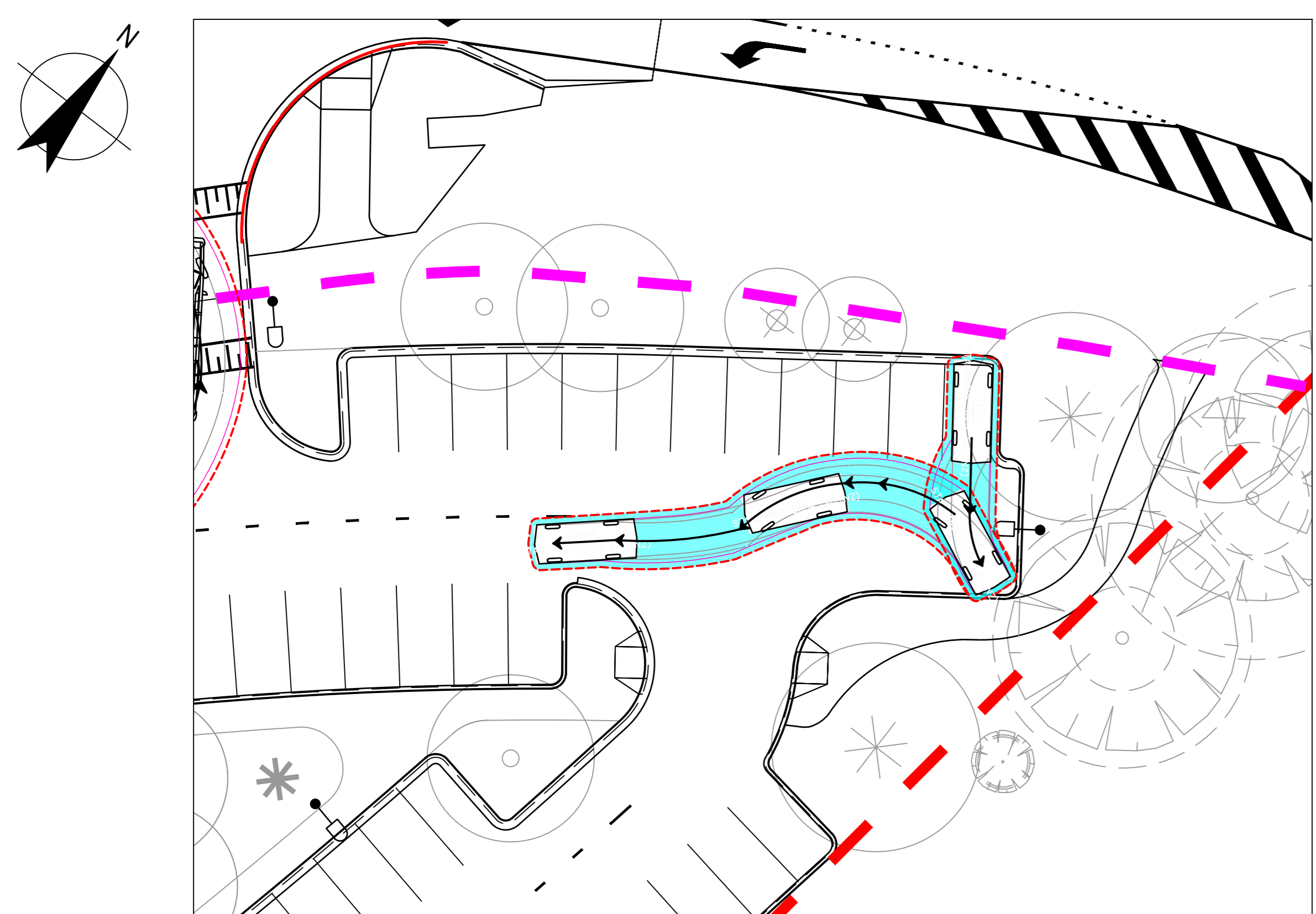
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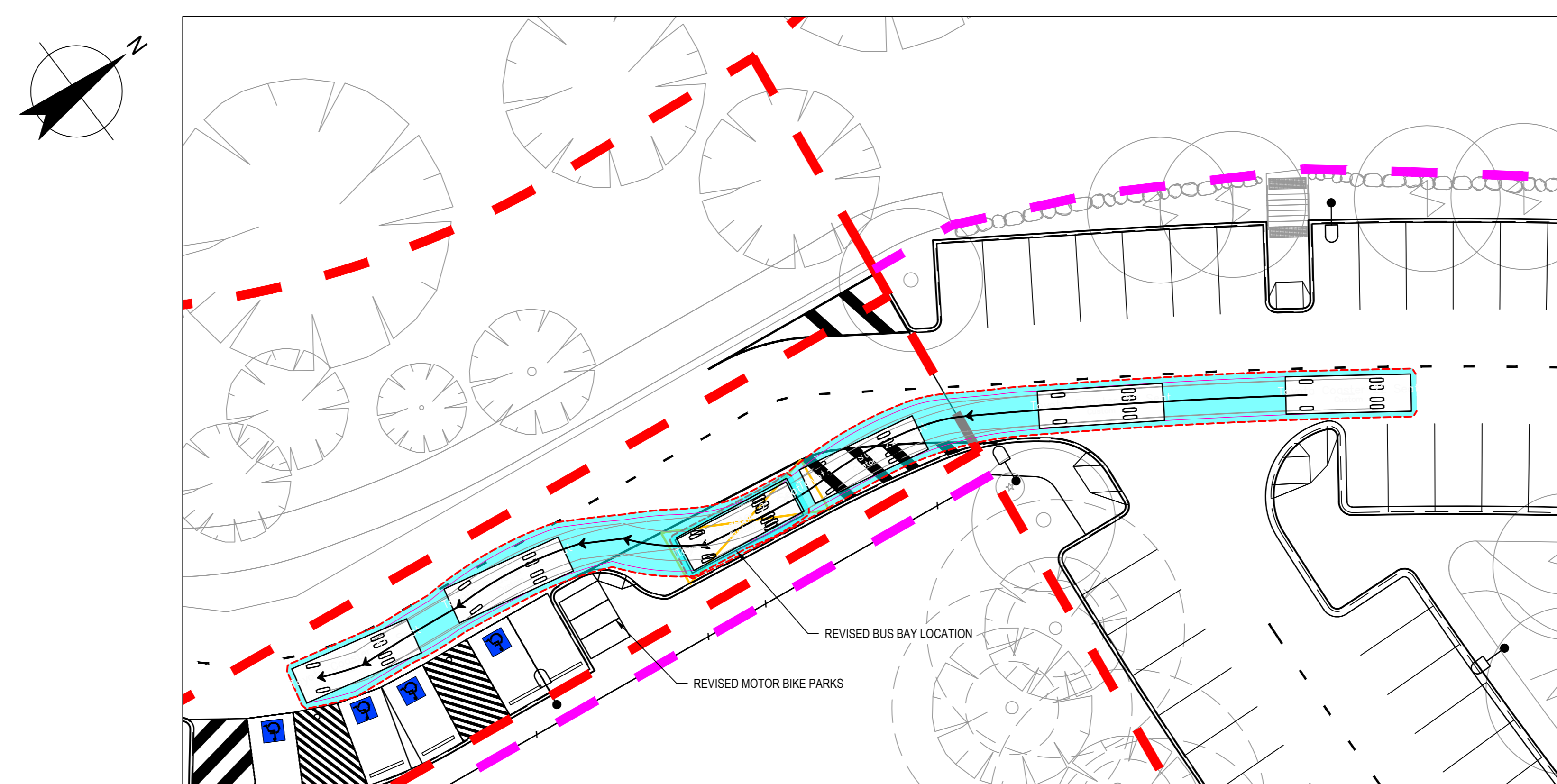
END BAY PARKING TURNING IN MOVEMENT
 SCALE 1: 200



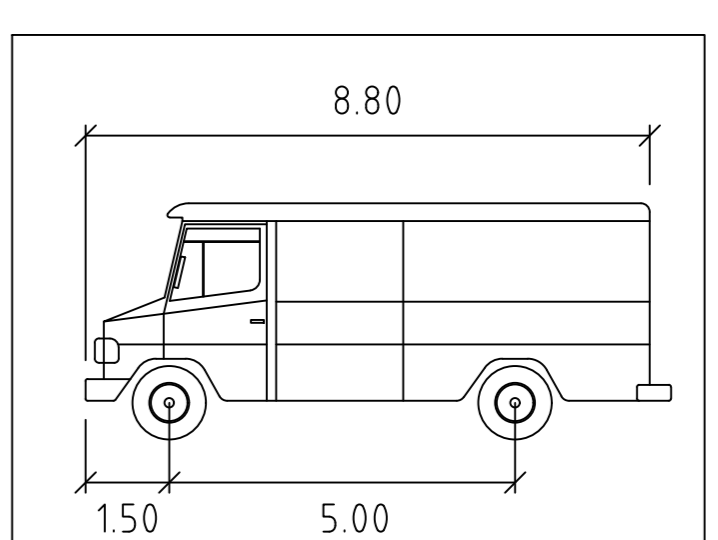
UPPER LEVEL BUS BAY THROUGH MOVEMENTS - B85 GOING OPPOSITE DIRECTION
 SCALE 1: 200



END BAY PARKING TURNING OUT MOVEMENT
 SCALE 1: 200

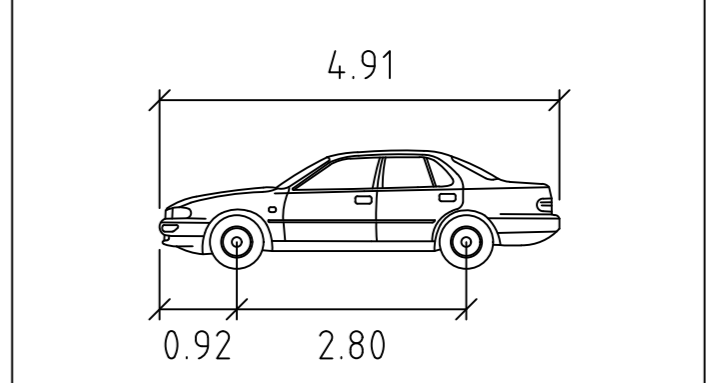


UPPER LEVEL BUS BAY TURNING MOVEMENTS - 7m BUS DROP OFFMANOEUVRE
 SCALE 1: 200



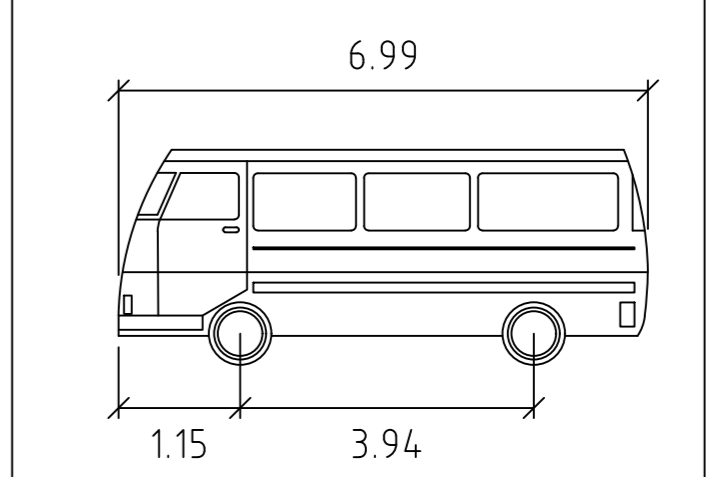
SERVICE VEHICLE

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



B85

	meters
Width	: 1.87
Track	: 1.77
Lock to Lock Time	: 6.0
Steering Angle	: 34.1



Toyota Coaster 22 Seat

	meters
Width	: 2.08
Track	: 1.69
Lock to Lock Time	: 6.0
Steering Angle	: 42.3

VEHICLE DETAILS:
 NTS



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SCALE 1:200 AT ORIGINAL SIZE

Client
MORGAN STREET REDEVELOPMENT



Client
WATHAURONG ABORIGINAL CO-OPERATIVE

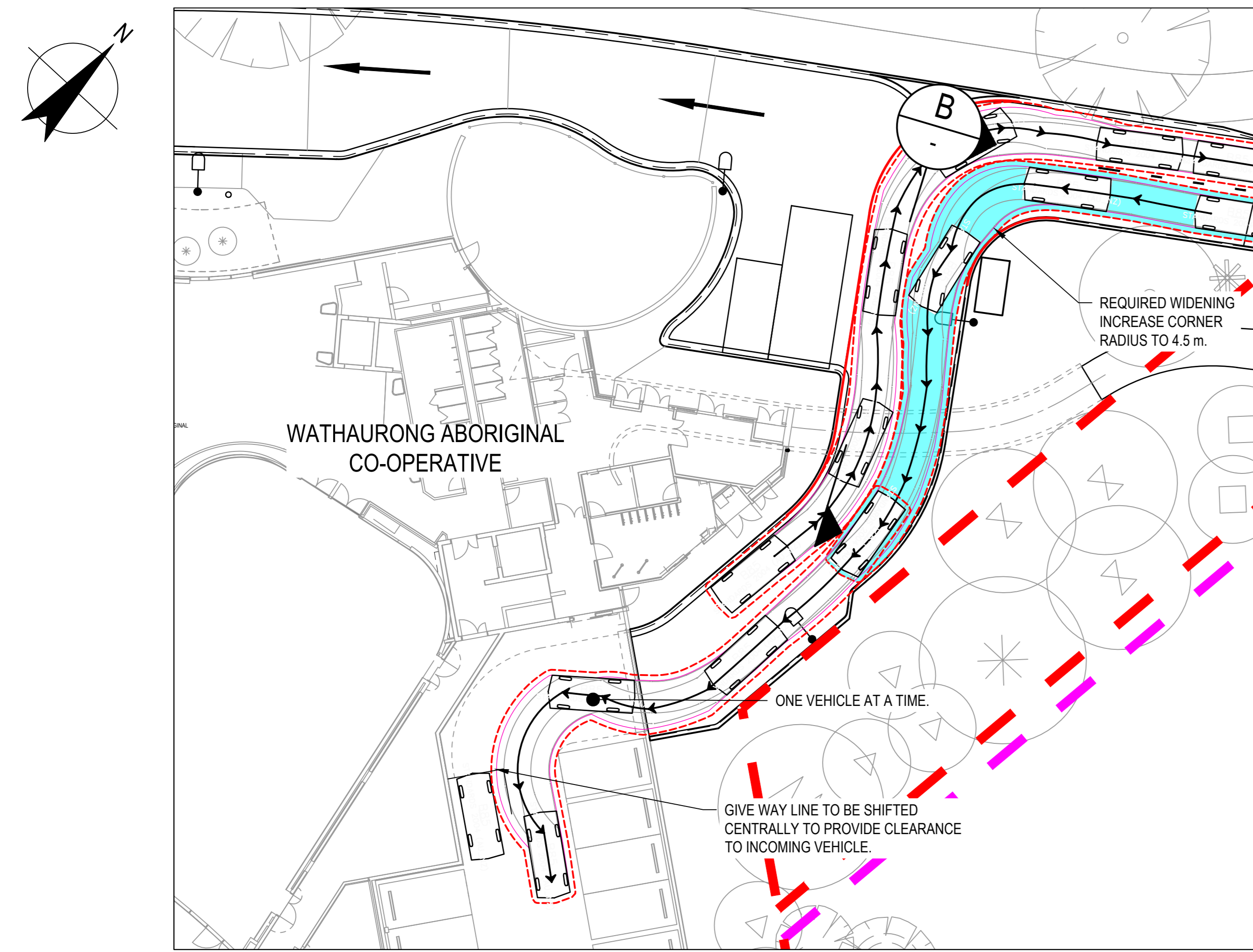


Project number	Size check		
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Checked	Approved	Sheet size	Scale
MH	HB	A0	1:200

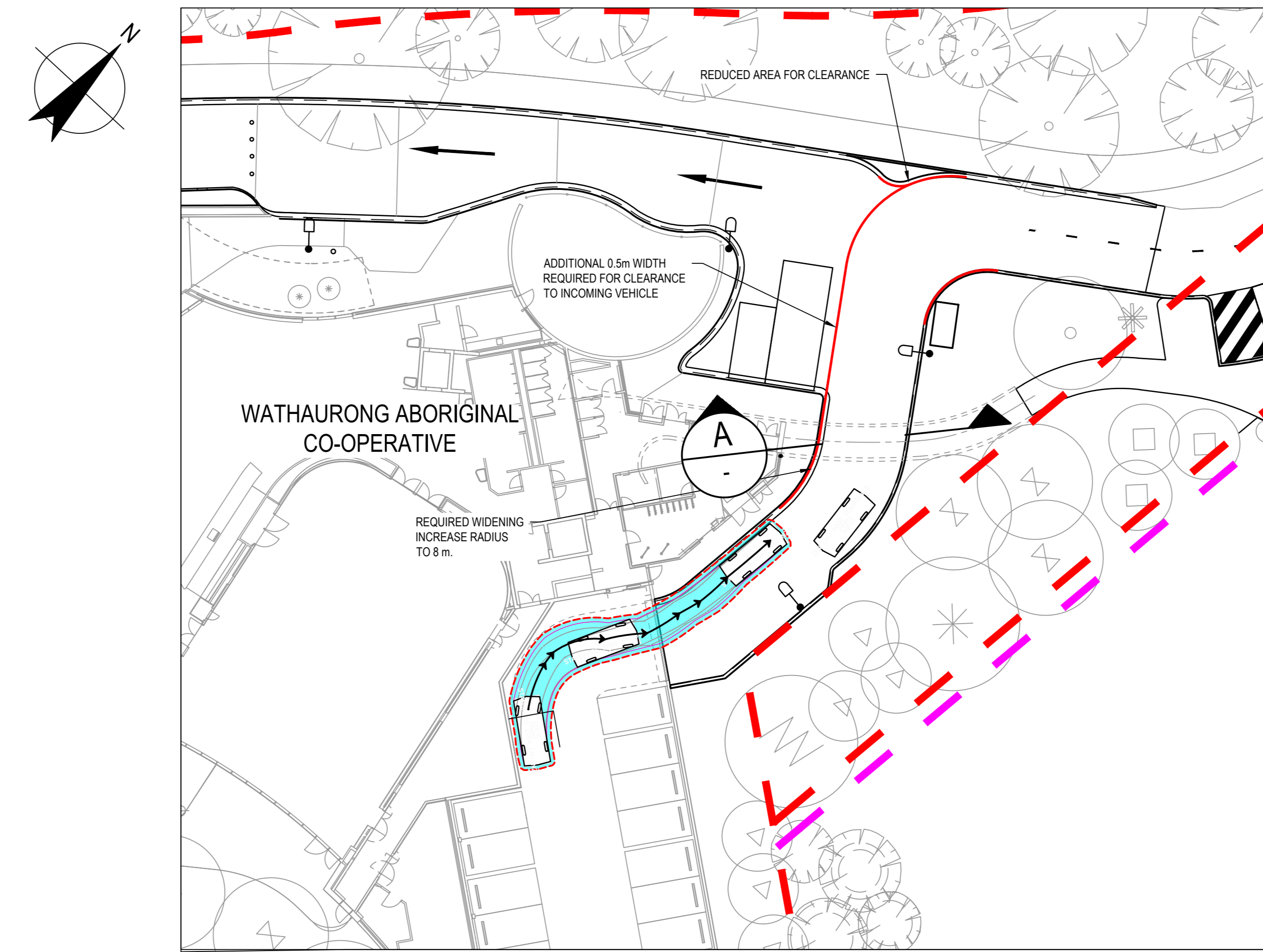
Sheet title
SWEPT PATHS TRIANGLE SITE AND UPPER LEVEL BUS BAY SHEET 4 OF 5

Sheet number	Revision
CI-00503	01
Status: TENDER	

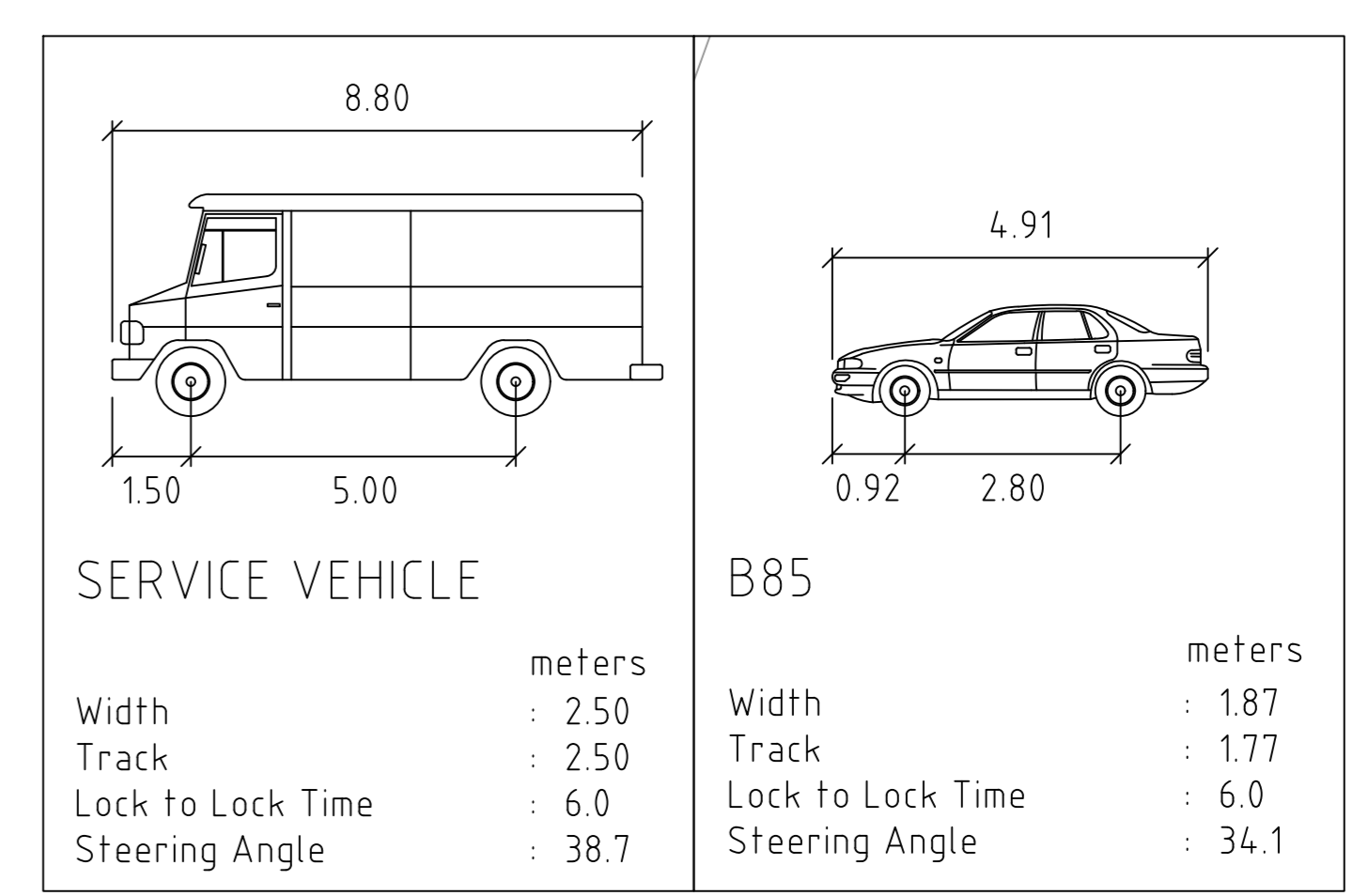
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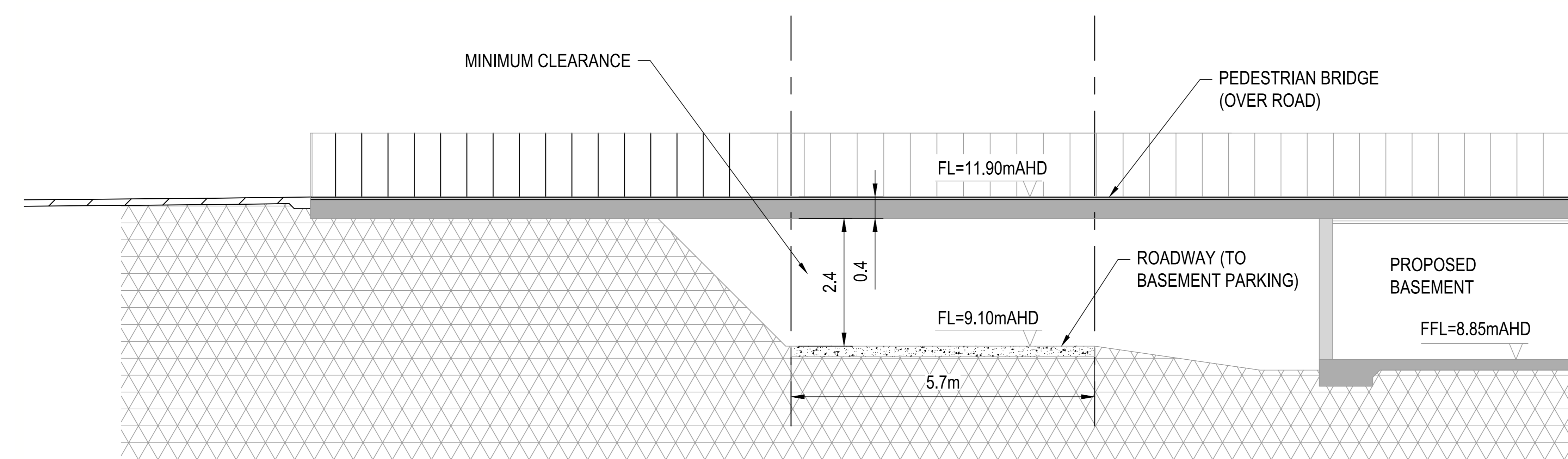
BASEMENT ACCESS TURNING IN MOVEMENT
 SCALE 1:200



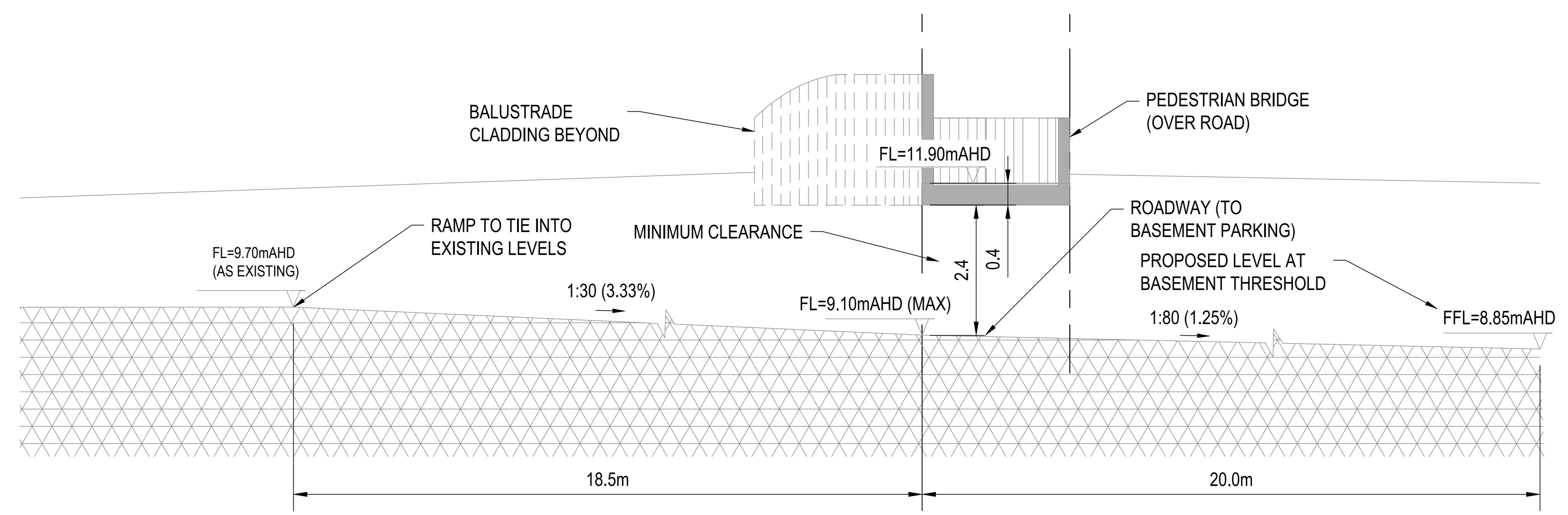
BASEMENT ACCESS TURNING OUT MOVEMENT
 SCALE 1:200



VEHICLE DETAILS:
 NTS



TYPICAL SECTION A - ROADWAY TO BASEMENT PARKING CLEARANCE UNDER PEDESTRIAN BRIDGE
 SCALE 1:50

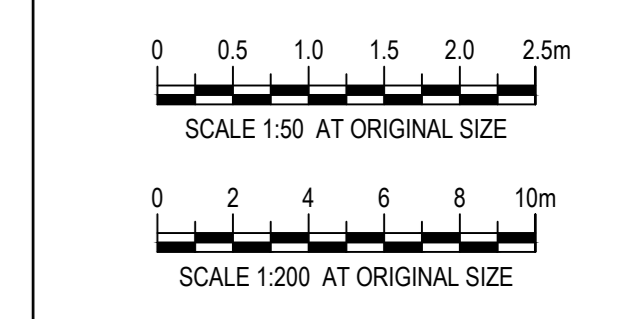


TYPICAL SECTION B - ROADWAY TO BASEMENT PARKING LONG SECTION
 SCALE 1:50



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Project: MORGAN STREET REDEVELOPMENT



Client: WATHAURONG ABORIGINAL CO-OPERATIVE



Project number: 12613952
 Size check: 25mm
 Checked: MH Approved: HB Sheet size: A0 Scale: AS SHOWN

Sheet title: SWEPT PATHS BASEMENT ACCESS SHEET 5 OF 5

Sheet number: CI-00504 Revision: 01
 Status: TENDER