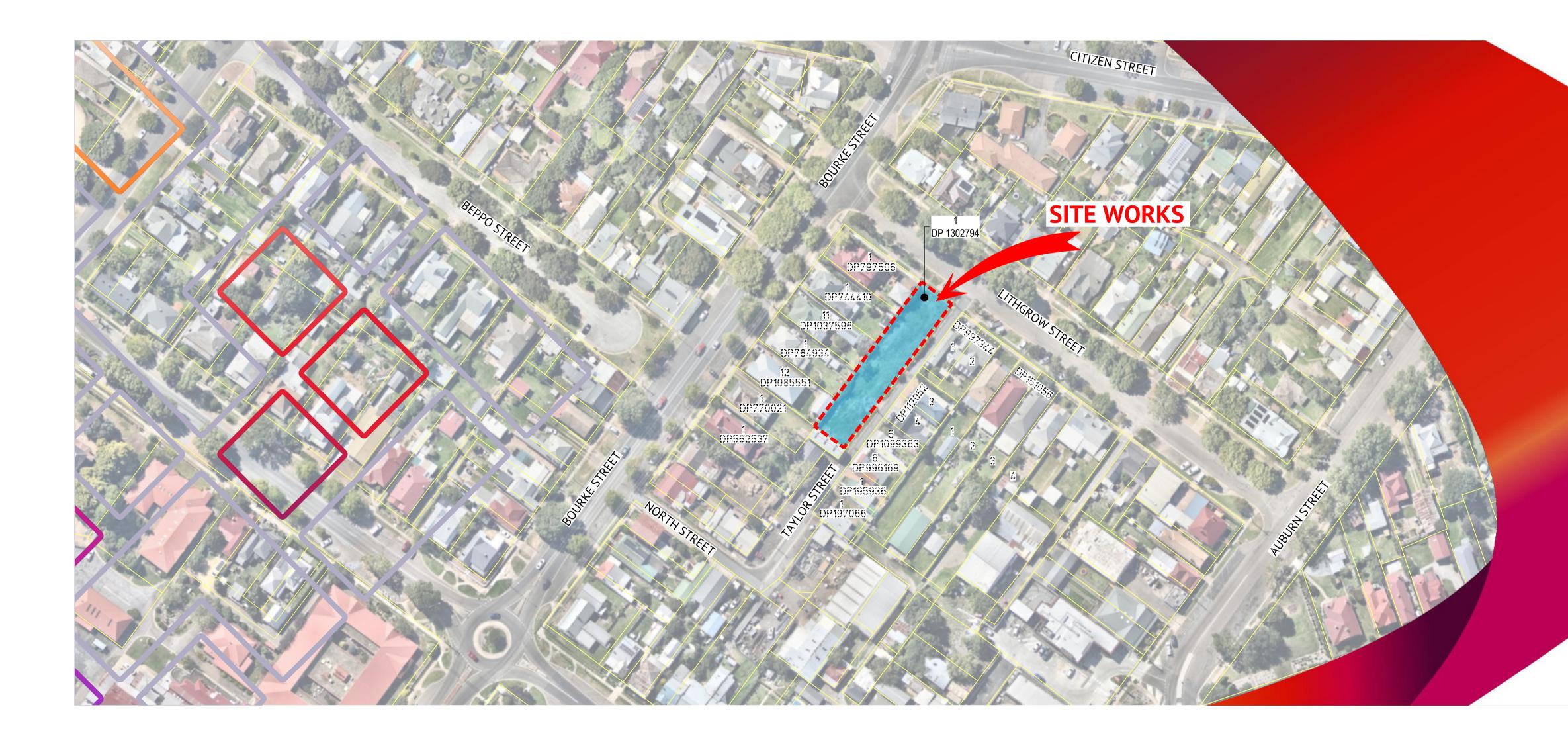
26 LITHGOW STREET, GOULBURN, NSW 2580





LOCAL GOVERNMENT AREA



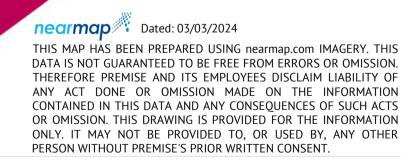
TOWN HOUSE DEVELOPMENT ISSUED FOR APPROVAL NOVEMBER 2024



NORTH



PROPERTY DESCRIPTIONS



TOWN HOUSE DEVELOPMENT

JOB CODE

P001907

SHEET NUMBER RE\ C001

Α

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
Α	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	
					DESIGNED TUNG PHAM	TP	07/11/24	V
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	
					MICHA ZESCHEKE			

SHEET NUMBER	SHEET TITLE	REVISION
GENERAL		1
C001	COVER SHEET AND SITE LOCALITY	A
C002	SCHEDULE OF DRAWINGS	A
C003	GENERAL NOTES ABBREVIATIONS AND ACRONYMS	A
C010	EXISTING SITE & SURVEY CONTROL PLAN	A
C020	TREE REMOVAL AND DEMOLITION PLAN	A
EROSION AND SE	DIMENT CONTROL PLAN	
C030	EROSION AND SEDIMENT CONTROL PLAN	A
C031	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	A
BULK EARTHWO	RKS	
C100	CUT AND FILL PLAN	A
C101	SITE REGRADING SECTIONS - SHEET 1 OF 2	A
C102	SITE REGRADING SECTIONS - SHEET 2 OF 2	А
SITE REGRADING		
C110	SITE GRADING PLAN	A
ROAD WORKS		
C200	PLAN OF CIVIL WORKS	A
C210	RETAINING WALL PLAN AND LONGITUDINAL SECTIONS	А
C250	OSD BASIN & DETAILS	А
C350	TURNING PATHS	А
STORMWATER D	RAINAGE CATCHMENT	
C520	STORMWATER LONGITUDINAL SECTIONS	A
C550	STORMWATER CATCHMENT LAYOUT PLAN	А
C555	EXTERNAL CATCHMENT PLAN	A
MUSIC CATCHME	NT	
C560	MUSIC MODELLING CATCHMENT PLAN	A
SEWER LAYOUT	PLAN	
C600	SEWER RETICULATION LAYOUT PLAN	A
C605	SEWER PIPE LONGITUDINAL SECTIONS	A
WATER LAYOUT	PLAN	
C650	WATER RETICULATION LAYOUT PLAN	A

	NORTH	APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL
ORAN PARK OFFICE SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE	SCALE	GOULBURN PROJECTS
ORAN PARK, NSW 2570 Ph. (02) 4632 6500 contact: 1300 017 736 www.premise.com.au	N/A	PROJECT TOWN HOUSE DEVELOPMENT - 26 LITH STREET, GOULBURN, NSW 2580
	ORIGINAL SHEET SIZE A1	

	SHEET TITLE SCHEDULE OF DRAWINGS						
	DRAWING FILE P001907_26 LITHGOW STREET, GOU						
	SURVEY MARK	R.L.	P0019	907			
HGOW	IMAGE SOURCE	DATUM	SHEET NUMBER	REV			
	STATUS FOR APPROVAL	ORIGINAL A1	C002	A			

GENERAL NOTES

- G1 GOULBURN MULWAREE COUNCIL ARE TO BE NOTIFIED 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORKS.
- G2 EXECUTE ALL WORKS SHOWN ON THESE DRAWING IN ACCORDANCE WITH THE RELEVANT CODES, STANDARDS AND LOCAL GOVERNMENT ORDINANCES OR AS DIRECTED BY THE SUPERINTENDENT. U.N.O.
- G3 THIS DRAWING SET SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANT DRAWINGS AND SPECIFICATIONS WHERE APPLICABLE AND WITH SUCH OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED DURING THE COURSE OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- G4 DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- G5 ALL LEVELS ARE IN AUSTRALIAN HEIGHT DATUM. ALL SETOUT COORDINATES ARE TO GDA2020 MGA ZONE 56.
- G6 ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR ONSITE BEFORE COMMENCING WORKS. ALL DIMENSIONS SHALL NOT BE OBTAINED BY SCALING.
- G7 ALL SERVICES SHOWN ON THIS DRAWING SET HAVE BEEN PREPARED FROM A COMBINATION OF FIELD SURVEY & EXISTING RECORDS PROVIDED BY SERVICE AUTHORITIES. THE CONTRACTOR SHALL LODGE A "BEFORE YOU DIG" ENQUIRY AND ARRANGE A PRE-CONSTRUCTION MEETING WITH SERVICE AUTHORITIES (IF REQUIRED) TO ESTABLISH THE LOCATION OF ALL EXISTING AND ANY SPECIAL REQUIREMENT PRIOR TO COMMENCING WORKS.
- G8 PRIOR TO CONSTRUCTION THE CONTRACTOR MUST ENSURE ALL EXISTING SERVICES ARE LOCATED BY THE RELEVANT ACCREDITED LOCATORS AND POTHOLED TO CONFIRM LOCATION AND DEPTH PRIOR TO ANY WORKS. THE CONTRACTOR MUST ALLOW FOR THE COSTS FOR ANY COORDINATION WITH SERVICE PROVIDERS. CONTRACTORS TO BE HELD RESPONSIBLE SHOULD THEY DAMAGE EXISTING SERVICES.
- G9 ANY WORKS TO EXISTING SERVICES SHALL BE CARRIED OUT BY AND SHALL BE CO-ORDINATED BY THE HEAD CONTRACTOR.
- G10 SERVICE ADJUSTMENTS: ALL SERVICES AFFECTED BY NEW WORKS TO BE ADJUSTED IN ACCORDANCE WITH THE REOUIREMENTS OF THE RELEVANT SERVICE AUTHORITIES.
- G11 ANY OTHER CIVIL, STRUCTURAL AND SERVICE PLANS SHALL BE READ IN CONJUNCTION WITH THE ENCLOSED DOCUMENT. ANY DISCREPANCY IN THE DOCUMENTATION AFFECTING WORKS SHALL BE REFERRED TO THE SITE SUPERINTENDENT FOR INSTRUCTION BEFORE PROCEEDING WITH WORKS SO AFFECTED.
- G12 ANY FENCES, DRIVEWAYS OR OTHER EXISTING ITEMS REMOVED OR DAMAGED DURING CONSTRUCTION TO BE REINSTATED IMMEDIATELY, CONTRACTOR IS TO VISIT THE AT TENDER STAGE TO GAIN UNDERSTANDING, VERIFY THE TYPE AND EXTENT OF REMOVAL/REINSTATEMENT/DISPOSAL OF ANY ITEMS TO ENSURE IT IS ALLOWED FOR IN THE COSTING. ALL DISPOSAL COSTS ARE TO BE BORNE BY THE CONTRACTOR.
- G13 ALL TREE PROTECTION FENCING (IF ANY) TO BE INSTALLED PRIOR TO ANY WORKS BEING CARRIED OUT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL THE REQUIRED PROTECTION MEASURES ARE IN PLACE. ALL TREE PROTECTION MEASURES TO BE MAINTAINED FOR THE DURATION OF THE CIVIL WORKS.
- G14 ALL RUBBISH AND DEMOLISHED STRUCTURES TO BE REMOVED BY THE CONTRACTOR. ALL COSTS OF DISPOSAL TO BE BORNE BY THE CONTRACTOR. DISPOSAL OF CONSTRUCTION AND BUILDING WASTE MATERIALS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE APPROVED WASTE MANAGEMENT PLAN.
- G15 SITE SIGNAGE MUST BE ERECTED PRIOR TO COMMENCING OF WORKS IN A PROMINENT LOCATION ADJACENT TO THE SITE BOUNDARY:
- UNAUTHORISED ENTRY TO THE WORK SITE IS PROHIBITED
- NAME OF CONTRACTOR'S REPRESENTATIVE IN CHARGE OF THE WORK SITE
- CONTACT PHONE NUMBER
- NAME AND CONTACT DETAILS OF THE PRINCIPAL CERTIFYING AUTHORITY
- G16 IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL ASSOCIATED TENDER DOCUMENT INCLUDING SWC CONDITIONS, DA CONDITIONS AND REQUIREMENTS, HERITAGE, ARCHAEOLOGICAL, ECOLOGICAL AND GEOTECHNICAL REPORTS AND CARRY OUT THE WORKS ACCORDINGLY.
- G17 ANY DAMAGES TO COUNCIL'S FOOTWAYS, ROADS OR OTHER INFRASTRUCTURES SHALL BE RESTORED IN ACCORDANCE WITH COUNCIL'S SPECIFICATION AT THE CONTRACTOR'S COST AND PRIOR TO PRACTICAL COMPLETION.
- G18 NO WORK TO BE UNDERTAKEN ON ADJOINING LAND WITHOUT THE WRITTEN CONSENT FROM THE LAND OWNER. THE CONSENT SHALL BE SUBMITTED TO COUNCIL PRIOR TO ANY PHYSICAL INTERFERENCE WITH THAT PROPERTY.
- G19 ACCESS MUST BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES THROUGHOUT THE DURATION OF WORKS U.N.O.
- G20 WORKMANSHIP AND MATERIALS SHALL CONFORM WITH THE REQUIREMENTS OF THE RELEVANT CODES AND SPECIFICATION, BY LAWS AND ORDINANCES.
- G21 ALL NEW WORKS TO MAKE SMOOTH JUNCTION WITH EXISTING.
- G22 ALL CONSTRUCTION WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH GMC'S CONSTRUCTION SPECIFICATION.
- G23 THE RECTIFICATION OF ALL MATTERS ARISING FROM INSUFFICIENT INFORMATION BEING SHOWN ON THE APPROVED ENGINEERING PLAN IS TO BE CARRIED OUT TO GMC'S CONSTRUCTION SPECIFICATION, AND COUNCIL ENGINEER'S SATISFACTION.
- G24 THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY BREACHES OF THE CLEAN WATERS ACT 1970.
- G25 OWNER'S REPRESENTATIVE TO BE NOTIFIED OF ANY WATER IN THE EXCAVATIONS.

GENERAL NOTES (CONT.)

- G26 THE CONTRACTOR IS TO SUBMIT A SITE SPECIFIC CONSTRUCTION METHODOLOGY WITH A DETAILED PROGRAM OF WORKS WHICH SHOULD ADDRESS AND CONFIRM THE FOLLOWING:
- SITE SET UP OF MAIN COMPOUND
- STAGING OF WORKS ENVIRONMENTAL PROTECTION AREAS (IF ANY)
- G27 WHERE COUNCIL CANNOT BE SATISFIED THAT THE FILL IS SUITABLE FOR USE PROPOSED WITH REGARDS TO POTENTIAL CONTAMINATION, THE FILL SHALL NOT BE USED AND WORKS IN THAT AREA SHALL CEASE UNTIL THE FILL IS VALIDATED TO THE SATISFACTION OF A NSW EPA ACCREDITED SITE AUDITOR.
- G28 ANY ROCK ENCOUNTER TO BE REPORTED TO THE SUPERINTENDENT PRIOR TO UNDERTAKING SUCH EXCAVATION.
- G29 STREET NAME SIGNS TO BE LOCATED AS SHOWN ON THE DRAWINGS AND ERECTED IN ACCORDANCE WITH THE REQUIREMENTS OF GMC. G30 ALL CONDUITS AND STUBS TO BE LAID UNDER ROAD PAVEMENT PRIOR
- TO LAYING FINAL ASPHALT SEAL. G31 DURING CONSTRUCTION, ALL STRUCTURES SHALL BE MAINTAINED IN A
- STABLE CONDITION AND NO PARTS SHALL BE OVERSTRESSED. G32 ALL EXCAVATION, SHORING OF EXCAVATION AND STABILITY OF ADJACENT STRUCTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- G33 ALL BATTERS AND TABLE DRAIN AREAS TO BE TOPSOILED AND GRASSED UNLESS OTHERWISE SHOWN.
- G34 THE CONTRACTOR SHALL BE REINSTATE ANY AREAS DISTURBED BY CONSTRUCTION.
- G35 EASEMENTS TO BE CREATED OVER ALL SERVICES AND RETAINING WALLS.

SURVEY

SU1 THE CONTRACTOR SHALL UNDERTAKE THE NECESSARY SURVEY SETOUT FOR THE WORKS. SU2 THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ANY UTILITY SERVICES THAT MIGHT BE AFFECTED DIRECTLY OR INDIRECTLY BY THE

- WORKS. SU3 ALL SURVEY MARKS TO BE RETAINED UNLESS ADVISED OTHERWISE BY
- THE SUPERINTENDENT. SU4 THE CONTRACTOR WILL SURVEY ALL AREAS OF OVER STRIPPING, AND ADVISE THE SUPERINTENDENT BEFORE PLACING FILL OVER SUCH
- ARFAS SU5 THE CONTRACTOR SHALL SURVEY THE LOCATION AND LEVEL OF ALL SERVICES, BURIED ENDS AND JUNCTIONS OF PIPES AND CONDUITS FOR
- WORKS AS EXECUTED PLANS. SU6 ALL FILL AREAS TO BE SURVEYED PRIOR TO PLACING BACKFILL.

WORK HOURS

W1		STRUCTION WORK SHALL B _OWING TIMES:	E ONLY BE CARRIED OUT WITHIN THE	
	•	MONDAY TO FRIDAY	7:00 AM TO 6:00 PM	

- MONDAY TO FRIDAY
- SATURDAY 8:00 AM TO 1:00 PM THE ABOVE RESTRICTIONS MAY BE SUBJECT TO REVIEW AND

VARIATION BY COUNCIL UPON AN ASSESSMENT OF THE LEVEL OF ANNOYANCE, IF ANY THAT MAY ARISE. CONSTRUCTION WORK ON SUNDAY AND PUBLIC HOLIDAYS ARE W7

PROHIBITED UNLESS WRITTEN APPROVAL TO VARY THE HOURS IS GRANTED BY COUNCIL.

PAVEMENT

- ALL MATERIALS FOR PAVEMENTS TO BE CONSTRUCTED IN ACCORDANCE WITH GMC'S CONSTRUCTION SPECIFICATION.
- THE BASE, SUB-BASE & SELECT MATERIALS SHOULD BE COMPACTED P2 AS PER PAVEMENT DESIGN REPORT PREPARED BY THE
- GEOTECHNICAL ENGINEER. TOPSOIL TO BE EXCAVATED TO EXPOSE SUBGRADE & STOCKPILED. P3 THE SUBGRADE (OR PROPOSED FILL AREAS) SHALL BE STRIPPED OF ALL SOFT. ORGANIC OR MOISTURE AFFECTED MATERIALS AND SHALL BE ROLLED AND COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 100% RELATIVE TO STANDARD COMPACTION AT A MOISTURE RATIO OF 60-90% OF THE OPTIMUM MOISTURE CONTENT.
- P4 UTILITY TRENCH INCLUDING STORMWATER BENEATH ROADWAYS SHALL BE BACKFILLED IN ACCORDANCE WITH THE REOUIREMENTS IN OF THE ASSET OWNERS AND COUNCIL.
- SUBSOIL DRAINS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH GMC'S CONSTRUCTION SPECIFICATIONS C232 - PAVEMENT DRAINS.
- P6 THE CONTRACTOR SHALL CONFIRM THE DESIGN CBR WITH A MINIMUM OF 3 TESTS TAKEN AT SUBGRADE LEVEL. WHERE DISCREPANCY IS FOUND. CONTACT THE DESIGN ENGINEER.
- P7 ALLOW FOR COMPACTION TESTING BY A N.A.T.A. REGISTERED LABORATORY FOR BASE LAYER, SUB-BASE LAYER, AND SUBGRADE LAYER IN ACCORDANCE WITH THE CURRENT AUSTRALIAN STANDARDS FOR PAVEMENTS.
- PAVEMENT HOLD POINTS ARE IN ACCORDANCE WITH COUNCIL'S P8 CONSTRUCTION SPECIFICATION.

ROADWORKS PERMIT

RP1 THE CONTRACTOR SHALL LODGE A ROAD OPENING APPLICATION (SECTION 138 APPLICATION UNDER THE ROAD ACT 1993) WITH GMC AND PAY THE APPROPRIATE FEE BEFORE ANY CONSTRUCTION COMMENCEMENTS

TEMPORARY TRAFFIC MANAGEMENT

- TM1 TRAFFIC & PEDESTRIAN CONTROL MEASURES ARE TO BE IN PLACE DURING ALL CONSTRUCTION WORKS. TRAFFIC CONTROL PLANS ARE TO BE PREPARED BY A CERTIFIED & APPROVED PERSON IN ACCORDANCE WITH AS1742.3-2019 & TRANSPORT FOR NSW "TRAFFIC CONTROL AT WORK SITE TECHNICAL MANUAL, 2022"
- TM2 ALL MOVEMENTS TO AND FROM THE SITE TO BE IN ACCORDANCE WITH THE RELEVANT COUNCIL STANDARDS AND APPROVED TRAFFIC MANAGEMENT PLAN. THE CONTRACTOR IS TO PREPARE A DETAILED TRAFFIC MANAGEMENT PLAN AND SUBMIT TO COUNCIL FOR APPROVAL PRIOR TO COMMENCEMENT.

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Α	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	V
					ENGINEERING CERTIFICATION	MZ	07/11/24	
					MICHA ZESCHEKE			

SW2 GMC IS TO BE NOTIFIED 48 HOURS PRIOR TO THE COMMENCEMENT ENSURE SOUND, PERMANENT FOUNDATIONS ALL EXCAVATIONS SHALL OF ANY WORKS. THE CONTRACTOR IS TO REVIEW WITH DA CONSENT. BE APPROVED BY THE SUPERINTENDENT BEFORE ANY MATERIALS OR SW3 ALL PITS (GRATED SURFACE INLET JUNCTION, GRATED GULLY PIT STRUCTURES ARE PLACED. WITH EXTENDED KERB INLET) PIPES ARE TO BE CONSTRUCTED TO E2 TOPSOIL SHALL BE STRIPPED FROM WITHIN THE AREA OF WORKS GMC'S CONSTRUCTION SPECIFICATION. INCLUSIVE OF BATTERS & SHALL BE DISPOSED OR STOCKPILED AS SW4 ALL SERVICES CROSSING PROPOSED STORMWATER PIPES MUST BE DIRECTED BY THE SUPERINTENDENT. THE THICKNESS OF THE TOPSOIL EXPOSED AND LEVELED WITH PERMISSION FROM RELEVANT STRIPPING SHALL NOT BE LESS THAN 150mm. AUTHORITIES. THE LEVELS ARE REPORTED TO PREMISE BEFORE E3 ALL EXPOSED DELETERIOUS MATERIALS WHICH. IN THE OPINION OF COMMENCEMENT THE SUPERINTENDENT, ARE UNSUITABLE FOR THE PLACING OF SW5 "RESERVED" FILLING SHALL BE REMOVED & DISPOSED OR TREATED AS SW6 JUNCTION PIT LIDS GRATES TO BE SET AT ROADWAY LEVELS WITH RECOMMENDED BY GEOTECHNICAL ENGINEERS.. IF UNSOUND OR NECESSARY CROSS FALL. UNSUITABLE MATERIAL IS ENCOUNTERED AT THE SPECIFIED SW7 ALL SUBSOIL DRAINAGE IN LANDSCAPED/PLANTING AREAS IS TO BE EXCAVATION LEVEL, ADDITIONAL EXCAVATION & REPLACEMENT WITH Ø100mm SUBSOIL PIPE AND THE CONNECTION TO THE STORMWATER COMPACTED APPROVED MATERIAL MAY BE ORDERED. PITS UNDER ROADWAYS IS TO BE Ø150mm uPVC CLASS SN8 WITH E4 STRIPPED FILL AREAS TO BE PROOF ROLLED AND APPROVED BY MINIMUM 600mm COVER. GEOTECHNICAL ENGINEERS PRIOR TO PLACEMENT OF FILL SW8 "RESERVED" E5 ALL IMPORTED MATERIAL SHALL BE VIRGIN EXCAVATED NATURAL SW9 "RESERVED" MATERIAL (VENM) FREE FROM CHEMICAL OR OTHER CONTAMINATION. SW10 "RESERVED" A CONTAMINATION REPORT ON THE PROPOSED IMPORTED FILL MATERIAL FROM A N.A.T.A. LABORATORY, MAY BE REQUIRED BY SW11 "RESERVED" SW12 STORMWATER OUTLETS TO KERBS SHALL BE CONSTRUCTED IN COUNCIL PRIOR TO PLACEMENT OF FILL. E6 ALL FILL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH DRC'S ACCORDANCE WITH GMC'S STANDARD. SPECIFICATION. SW13 PIPE IS TO BE LAID AT UNIFORM GRADE BETWEEN INVERT LEVELS E7 ALL FILL WORKS TO BE UNDER LEVEL 1 GEOTECHNICAL SUPERVISION SHOWN WITH MINIMUM COVER MAINTAINED UNLESS OTHERWISE STATED ON THE DRAWINGS. IN ACCORDANCE WITH AS3798-2007. SW14 MINIMUM COVER OVER ALL PIPES SHALL BE 600mm UNLESS E8 THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE GEOTECHNICAL ENGINEERS FOR THE USE OF VIBRATORY ROLLERS OTHERWISE SHOWN OR DIRECTED. NEAR PERMANENT STRUCTURES DURING DURING CONSTRUCTION. SW15 THE CONTRACTOR IS TO SUPPLY AND INSTALL ALL FITTINGS AND E9 NOTICE SHALL BE PROVIDED TO COUNCIL AT LEAST TWO BUSINESS SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER DAYS PRIOR TO COMMENCING OF FILL WORKS AND AT LEAST TWO CONNECTIONS BETWEEN DISSIMILAR PIPEWORKS. BUSINESS DAYS OF COMPLETION OF SUCH WORKS. SW16 ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESPERSON LIKE MANNER AND THE INTERNAL WALL OF THE PIT E10 THE CONTRACTOR IS TO PROVIDE THE SUPERINTENDENT WITH A AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A STATEMENT CONFIRMING THE FILL TO BE USED ON SITE FOR THE PURPOSES OF AN AUDIT REPORT. THIS IS TO BE PROVIDED AT LEAST 2 SMOOTH FINISH. WEEKS PRIOR TO FILL WORKS. SW17 PRECAST PITS MAY BE USED AS APPROVED BY THE SUPERINTENDENT AND GMC. E11 ONLY FILL CHARACTERISED AS VENM OR ENM UNDER THE GUIDELINES OF THE NSW ENVIRONMENTAL PROTECTION AUTHORITY MAY BE USED SW18 LKHEADS TO BE CONSTRUCTED ON ALL STORMWATER LINES WHERE IN THIS DEVELOPMENT. COPIES OF THE VALIDATION REPORTS TO BE REQUIRED BY GMC'S STANDARD. PROVIDED TO THE SUPERINTENDENT AT LEAST 2 WEEKS PRIOR TO FILL SW19 ALL BEDDING TO BE HS3 UNLESS OTHERWISE STATED. WORKS SW20 ALL CONCRETE PIPES SHALL BE STEEL REINFORCED CONCRETE PIPES E12 ANY FILL WORKS CARRIED OUT ON THE LOTS SHALL BE TESTED BY A OR APPROVED EQUIVALENT AND RUBBER RING JOINTED. N.A.T.A. REGISTERED LABORATORY. A CERTIFICATION CAN BE PROVIDED SW21 BEDDING AND COVER FOR REINFORCED CONCRETE PIPE (RCP) SHALL TO CONFIRM THAT THE FILL HAS BEEN PLACED AS STRUCTURAL FILL CONFORM WITH COUNCIL'S STANDARD DRAWINGS AND THE FOR RESIDENTIAL PURPOSES AS OUTLINED IN AS3798-2007. CONCRETE PIPE ASSOCIATION "CONCRETE PIPE GUIDE" OR AS 3725. E13 LOT FILL TO BE COMPACTED TO NO LESS THAN 95% SMDD. FOR uPVC PIPES, THE REQUIREMENTS SHALL BE AS 2032. E14 IF UNDETECTED CONTAMINATED MATERIAL IS ENCOUNTERED DURING SW22 RCP TO BE CLASS 2 U.N.O. RCP TO BE PURCHASED FROM QUALITY CONSTRUCTION. ALL WORK ON SITE IS TO CEASE AND THE ASSURED MANUFACTURER APPROVED BY DRC. ALL INTERALLOTMENT SUPERINTENDENT TO BE NOTIFIED. FURTHER INVESTIGATIONS TO BE PIPES TO BE uPVC U.N.O. WITH SOLVENT WELDED JOINTS. UNDERTAKEN AS AN "UNEXPECTED FINDS PROTOCOL" WHERE AN SW23 ALL PIPES TO BE INSTALLED TO THE MANUFACTURERS ENVIRONMENTAL CONSULTANT WILL BE ENGAGED TO INVESTIGATE SPECIFICATIONS AND THE REQUIREMENTS OF GMC. ALL AND ASSESS THE POTENTIAL CONTAMINATION AND ADVISE ON STORMWATER PIPES LOCATED ABOVE NATURAL SURFACE LEVEL WILL REMEDIAL MEASURES (IF REQUIRED). BE CONSTRUCTED IN CONTROL FILL. SW24 THE CONTRACTOR SHALL ENSURE ALL DRAINAGE PIPES AND SERVICES ARE LAID WITHIN THE EXISTING OR PROPOSED EASEMENT. UTILITIES SW25 PITS OVER 1.2m TO HAVE STEP IRONS INSTALLED IN ACCORDANCE U1 CONTRACTOR IS TO UNDERTAKE AND TO HAVE CURRENT "BYDA" WITH GMC'S STANDARD DEEP. PLANS AVAILABLE ON SITE AT ALL TIMES. SW26 ALL LOTS ON HIGH SIDE OF ROADS TO BE PROVIDE WITH Ø100mm NO WORKS ON ANY UTILITIES WITHOUT APPROVALS FROM THE U2 KERB OUTLETS INCLUDING 150x150x4mm RHS, KERB ADAPTOR Ø100 UTILITY AUTHORITY. uPVC SEWER GRADE UP TO END 0.5m BEYOND THE BOUNDARY, CAP BEFORE ANY ESTABLISHMENT WORKS. THE CONTRACTOR IS TO ON THE LOW SIDE OF THE ALLOTMENT FOR FUTURE ROOFWATER U3 OUTLETS. LOCATE, ASSESS, AND FLAG AS NECESSARY, ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO, CRITICAL ASSETS, OVERHEAD SW27 SURFACE INLET GRATES ARE TO BE GALVANISED IN ACCORDANCE ASSETS, AND PRIVATE SERVICES. WITH GMC'S REQUIREMENT. CONTRACTOR IS TO COMPLETE SWMS FOR ALL WORKS AROUND ALL U4 SW28 THE CONTRACTOR SHALL ENSURE PIPES ARE PROTECTED AGAINST UTILITIES. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE DAMAGE FROM CONSTRUCTION WHEELS AND OTHER LOADS. APPROPRIATE CONTROLS IN PLACE TO PROTECT BOTH LIFE AND TOGETHER WITH COMPACTIVE IMPACT EFFECTS DUE TO THE ASSET CONSTRUCTION EQUIPMENT AND SURFACE CONDITIONS IN U5 ALL ELECTRICAL APPARATUS SHALL BE REGARDED AS LIVE UNTIL ACCORDANCE WITH AS/NZS 3725. PROVED DE-ENERGISED. CONTACT WITH LIVE ELECTRICAL SW29 LINTEL LENGTH SHOWN ON DRAWINGS INDICATES CLEAR OPENING APPARATUS WILL CAUSE SEVERE INJURY OR DEATH. LENGTH. ONLY SUITABLE QUALIFIED PERSONS/CONTRACTORS TO WORK ON U6 SW30 PRIOR TO PRACTICAL COMPLETION, CONTRACTOR SHALL CARRY OUT UTILITY SERVICES. CCTV ON ALL STORMWATER DRAINAGE PIPES AND SUBMIT VIDEO THE CONTRACTOR IS OBLIGED TO IMMEDIATELY NOTIFY THE UTILITY U7 AND WRITTEN REPORT CONFIRMING THAT ALL PIPES ARE FREE OF AUTHORITY OF ANY DAMAGE TO THEIR ASSETS. DEFECTS AND ARE LAID TO SPECIFICATION. THE CONTRACTOR IS TO UNDERTAKE A DILAPIDATION SURVEY OF U8 SW31 CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES, GRADE ALL EXISTING ASSETS ENCOUNTERED INCLUDING TIME-STAMP SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL. PHOTOS AND NOTIFICATION TO THE SUPERINTENDENT AND THE SW32 ALL PROPRIETARY PRODUCTS ARE TO BE INSTALLED AS PER UTILITY AUTHORITY. MANUFACTURER'S SPECIFICATION. UTILITIES SHOWN IN THIS SET OF DRAWINGS (IF ANY) ARE FOR U9 SW33 REINFORCED BOX CULVERT UNITS TO BE COMPLIED WITH AS 1597.2 INFORMATION/COORDINATION PURPOSE ONLY. REFER TO APPROVED AND INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS. DESIGNS AND BYDA PLANS FOR MORE DETAILS. SW34 AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, U10 THE UTILITY AUTHORITY RELEVANT TO THIS PROJECT AS PER BYDA ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE NOTIFICATION LETTER. AGAINST THE POSSIBILITY OF PERSONNEL FAILING DOWN INTO PITS. U11 THE LOCATION OF UTILITIES SHOWN ON THIS DRAWING SET HAVE SW35 BACKFILLING OF TRENCHES SHALL BE IN ACCORDANCE WITH BEEN PREPARED FROM A COMBINATION OF FIELD SURVEY, PAST COUNCIL'S SPECIFICATION. PROJECT'S RECORDS & EXISTING RECORDS PROVIDED BY SERVICE SW36 ALL PITS SHALL BENCHED AND FLOW STREAMLINED. AUTHORITIES. THE CONTRACTOR SHALL LODGE A "BEFORE YOU DIG" SW37 ALL MILD STEEL FIXTURES INCLUDING (GRATES, FRAMES, STEP IRONS, ENOUIRY AND ARRANGE A PRE-CONSTRUCTION MEETING WITH LADDERS ETC.) SHALL BE HOT DIP GALVANISED WHICH SHALL SERVICE AUTHORITIES (IF REOUIRED) TO ESTABLISH THE LOCATION COMPLY WITH THE REQUIREMENT OF AS1214 OR AS1650 AS OF ALL EXISTING AND ANY SPECIAL REQUIREMENT PRIOR TO APPROPRIATE COMMENCING WORKS. SW38 ALL INTERNAL DRAINAGE WORKS WITHIN PROPERTY BOUNDARIES U12 UNCHARTED UTILITY SERVICES MAY BE PRESENT ON THE SITE. THE ARE TO COMPLY WITH AS3500.3:2021 CONTRACTOR MUST MAKE ALL EFFORTS TO IDENTIFY THE PRESENCE SW39 SUBSOIL DRAINS ARE TO BE PROVIDED BEHIND ALL KERBS AS SHOWN OF UTILITY SERVICES ON THE SITE AND ARRANGE FOR RELOCATION ON THE DRAWINGS. ADDITIONAL SUBSOIL DRAIN (IF DETERMINED TO OR PROTECTION AS NECESSARY TO SUIT THE PARTICULAR WORKS, AS BE REQUIRED BY THE SITE SUPERVISOR) TO BE LAID IF REQUIRED. AGREED WITH THE SUPERINTENDENT AND IN CONJUNCTION WITH SW40 SUBSOIL DRAINS TO BE CONSTRUCTED IN ACCORDANCE WITH GMC THE RELEVANT UTILITY AUTHORITY. DEVELOPMENT CONSTRUCTION SPECIFICATION; C230-SUB-SURFACE DRAINAGE GENERAL, C231 - SUBSOIL AND FOUNDATION DRAINS AND U13 THE CONTRACTORS MUST MAKE THEMSELVES AWARE OF AND C232 - PAVEMENT DRAINS. COMPLY WITH ALL UTILITY AUTHORITY'S REGULATION AND SW41 REFER TO GMC'S STANDARD DRAWING D15 FOR TYPICAL FLUSHING STANDARD REGARDING THE USE OF MACHINERY AND EQUIPMENT IN POINT CONSTRUCTION DETAILS. THE VICINITY OF THE UTILITY SERVICES.

STORMWATER DRAINAGE

SW1 STORMWATER DRAINAGE DESIGN CRITERIA

MAJOR SYSTEM DESIGN FOR 1% AEP (100YR ARI)

EARTHWORKS

- E1 EXCAVATION SHALL BE CARRIED OUT TO THE DEPTHS AND DIMENSIONS SHOWN OR IMPLIED ON THE PLANS AND/OR THE DOCUMENTS, OR TO SUCH GREATER DEPTHS & DIMENSIONS AS WILL

NORTH

SCALE

N/A

ORIGINAL SHEET SIZE A1

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Ph. (02) 4632 6500

SOIL AND WATER MANAGEMENT

- SE1 THE CONTRACTOR SHALL IMPLEMENT ALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO DISTURBANCE OF THE WORK AREA TO THE SATISFACTION OF COUNCIL AND CONFORM TO THE SPECIFICATIONS AND STANDARD CONTAINED IN: MANAGING URBAN STORMWATER: SOIL AND CONSTRUCTION
- VOL.1 (4th EDITION, MARCH 2004). SE2 EROSION AND SEDIMENT CONTROL SHALL ACCORD WITH SHEETS C0060 - C0061. THE CONTROL MEASURES ARE TO BE MAINTAINED FOR THE FULL DURATION OF CONSTRUCTION AND BEYOND THIS PERIOD WHERE NECESSARY AS DIRECTED BY THE SUPERINTENDENT OR COUNCIL. ONCE THE CONTROL MEASURES ARE NO LONGER REQUIRED, THE CONTRACTOR IS TO REMOVE AND DISPOSE THESE ITEMS OFF SITE.
- SE3 ALL CONTROL MEASURES TO BE INSPECTED BY THE CONTRACTOR WEEKLY AND AFTER EACH STORM EVENT TO ENSURE THEIR PROPER OPERATION AND PERFORMANCE. REMOVE ACCUMULATED SILT FROM SUCH DEVICES BEFORE MORE THAN 60% OF THEIR CAPACITY IS LOST. ALL SILT REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE SUPERINTENDENT.
- SE4 ALL STOCKPILES TO HAVE SEDIMENT FENCE PLACED DOWNSTREAM TO PREVENT LOSS OF MATERIALS.
- SE5 STOCKPILES OF CONSTRUCTION, LANDSCAPING MATERIALS, AND SITE DEBRIS ARE TO BE LOCATED CLEAR OF DRAINAGE LINES IN SUCH POSITION THAT THEY ARE WITHIN THE EROSION CONTAINMENT BOUNDARY OR ARE EQUIVALENTLY PROTECTED FROM EROSION AND DO NOT ENCROACH UPON ANY FOOTPATH, NATURAL STRIP OR ROADWAY.
- SE6 STOCKPILES OF MATERIALS SHALL BE COVERED OR ACTIVELY MANAGED TO LIMIT THE DISPERSAL OF MATERIALS FROM THE SITE.
- SE7 ALL DISTURBED AREAS TO BE SEEDED WITH SEED MIX TO COUNCIL'S REQUIREMENT TREE REMOVAL & DEMOLITION PLAN. THE CONTRACTOR SHALL ENSURE ALL WORKS REQUIRED UNTIL EFFECTIVE COVER HAS PROPERLY ESTABLISHED. THIS WILL INCLUDE REGULAR WATERING, FERTILISING, WEED CONTROL, AND RE-SEEDING/SPRIGGING AS NECESSARY.
- SE8 PUBLIC ROAD TO BE KEPT CLEAR OF DEBRIS AT ALL TIMES. VEHICLE ACCESS IS TO BE CONTROLLED AS TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC ROADWAYS PARTICULARLY DURING WET WEATHER OR WHEN THE SITE HAS BEEN AFFECTED BY WET WEATHER.
- SE9 A STABILISED VEHICLE ACCESS, WHEEL WASH OR OTHER CONTROL MEASURES SHALL BE INSTALLED ON SITE TO PREVENT THE DEPOSITION OF SEDIMENTS, SOIL, MUD, AND OTHER MATERIAL ONTO THE ADJOINING ROAD NETWORK. WHERE SEDIMENT, SOIL, MUD, AND OTHER MATERIALS HAVE BEEN DEPOSITED ON THE ROADS, CLEANING AND RESTORATION SHALL BE UNDERTAKEN AS SOON AS PRACTICABLE.
- SE10 DUST SUPPRESSION EQUIPMENT TO BE AVAILABLE AT ALL TIMES (INCLUDING WEEKENDS AND PUBLIC HOLIDAYS) UNTIL FINAL COMPLETION OF THE WORKS TO REDUCE THE EMISSION OF DUST FROM THE SITE.
- SE11 CONTRACTOR MAY REGULARLY WETTING OF THE SITE TO REDUCE DUST GENERATED FROM SITE.
- SE12 ANY INCIDENTS ON SITE LIKELY TO CAUSE POLLUTION TO BE REPORTED IMMEDIATELY TO THE SUPERINTENDENT. SE13 THE CONTRACTOR'S RESPONSIBILITY IS TO ENSURE ALL NECESSARY
- MEASURES SO AS TO PROTECT ALL DISTURBED AREAS AS PER NOTE SE1. ALL ADDITIONAL COSTS ARE TO BE REFLECTED IN TENDER PRICE EVEN IF SUCH MEASURES ARE NOT INDICATED ON THE SEDIMENT AND EROSION CONTROL PLAN.
- REHABILITATION
- AFTER COMPLETION OF LAND SHAPING AND PREFERABLY WITHIN 7 DAYS.
- SE15 REHABILITATION AREAS WILL BE REGULARLY MAINTAINED UNTIL EFFECTIVE COVER HAS PROPERLY ESTABLISHED. THIS WILL INCLUDE REGULAR WATERING, FERTILISING, WEED CONTROL, AND RE-SEEDING/SPRIGGING AS NECESSARY.
- SE16 AS MUCH VEGETATION AS POSSIBLE SHOULD BE MAINTAINED DOWN SLOPE OF "SILT" FENCES AND BELOW DISCHARGE POINTS OF TEMPORARY DIVERSION DRAINS TO ACT AS FILTER STRIPS.

CONCRETE WORKS

- C1 WORKMANSHIP AND MATERIALS TO CONFORM WITH THE REQUIREMENTS OF AS3600. FORMWORK TO BE IN ACCORDANCE WITH AS3610
- CONCRETE STRENGTH TO BE GRADE N32 (32MPa AT 28 DAYS) U.N.O. C3 CONCRETE BLINDING LAYER STRENGTH TO BE GRADE 15 (15MPa AT
- 28 DAYS) U.N.O. C4 CONCRETE SHALL NOT BE PLACED UNTIL, THE COMPLETED FALSEWORK, FORMWORK AND REINFORCEMENT FIXING HAVE BEEN
- INSPECTED AND APPROVED BY THE SUPERINTENDENT. PLACING: ALL CONCRETE SHALL BE MECHANICALLY VIBRATED. VIBRATOR SHALL NOT BE USED TO SPREAD CONCRETE.
- C6 JOINTING FOR CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH STRUCTURAL DESIGN.
- C7 CEMENT MORTAR SHALL BE MIXED IN THE RATIO OF 4 PART SAND : 1 PART CEMENT AND WITH STRENGTH NOT LESS THAN 12 MPa. C8 THE CONTRACTOR IS TO TO MAKE ITSELF AWARE OF ALL OTHER
- STRUCTURAL ENGINEERING SPECIFICATION, AND OR REQUIREMENTS WHICH ARE FORMED PART OF STRUCTURAL DESIGN.

SIGNAGE AND PAVEMENT MARKINGS

- M1 ALL SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARDS 1742 AND OR TFNSW STANDARDS AND SPECIFICATIONS.
- M2 LINE MARKING AND PAINT SHALL BE IN ACCORDANCE WITH AS1742.3 AND OR TFNSW STANDARDS.
- PAINT SHALL BE TYPE 3 CLASS 'A' AND THE COLOUR SHALL BE WHITE AND NOT SUBJECT TO DISCOLOURATION BY BITUMEN FROM ROAD SURFACE. ALL PAINT TO BE APPLIED BY MECHANICAL SPRAYER. M4 LINE MARKING SHALL BE SPOTTED OUT AND APPROVED PRIOR TO
- SPRAYING. M5 PAINT SHALL BE APPLIED AT A WET THICKNESS OF BETWEEN 0.35mm AND 0.40mm.

ARE TO CEASE IN THAT AREA FOR FURTHER ADVICE.

HERITAGE

APPROVAL AUTHORITY

CLIENT

PROJEC

SE14 REHABILITATION SHALL BE UNDERTAKEN AS SOON AS POSSIBLE

H1 SHOULD ANY HISTORICAL RELICS OR ABORIGINAL ARTIFACTS ARE UNEXPECTED DISCOVERED IN ANY AREAS OF THE SITE, THE SUPERINTENDENT IS TO BE CONTACTED IMMEDIATELY AND WORKS

OTHER NOTES

- 01 NO DISTURBANCE TO THOSE AREAS NOT AFFECTED BY THE WORKS. NO EXCAVATION, NO FILLING, NO DUMPING, NO BURNING OF TREE STUMPS, OR ANY OTHER ACTIVITIES THAT HAVE ADVERSE ENVIRONMENTAL & ECOLOGICAL IMPACT.
- NO VIBRATING ROLLERS TO BE USED IN THE VICINITY OF PROPERTIES. HOUSES IN CLOSE PROXIMITY TO BE INSPECTED PRIOR TO COMMENCEMENT OF WORK.
- O3 SAFETY OF GENERAL PUBLIC SHALL BE PROVIDED DURING THE CONSTRUCTION WORK. SAFETY FENCE BARRIERS SHALL BE PROVIDED TO PREVENT UNAUTHORISED PERSONNEL ENTERING THE WORK SITE.
- TRAFFIC CONTROL: ALL MEASURES TO CONTROL OR DIVERT VEHICULAR AND PEDESTRIAN TRAFFIC IS TO BE COVERED BY A TRAFFIC CONTROL PLAN PREPARED BY AN ACCREDITED DESIGNER.

TREE PROTECTION

T1 REFER TO REMOVED FOR TREES TO BE RETAINED AND PROTECTED. T2 ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING

- PLAN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY: • PROTECTING THEM WITH BARRIER FENCING OR SIMILAR
- MATERIALS INSTALLED OUTSIDE THE DRIP LINE. ENSURING THAT NOTHING IS NAILED TO ANY PART OF THE TREE.
- CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY. COUNCILS AND/OR INDEPENDENT ARBORISTS TO BE CONSULTED WHERE TREE ROOTS ARE TO BE REMOVED AND/OR CUT.

KERB WORKS

- K1 ALL KERBS ARE TO BE CONSTRUCTED AS PER GMC'S SPECIFICATION AND STANDARD DRAWING R2.
- K2 IN THE REPLACEMENT OF ROLL OVER KERB & GUTTER OR UPRIGHT KERB & GUTTER, EXISTING ROAD PAVEMENT IS TO BE NEATLY SAWCUT. THE MATERIAL REMOVED AND REPLACED WITH AC10. MINIMUM DIMENSION OF THE RESTORATION WORK ARE TO BE 600mm WIDE AND 50mm DEEP. ALL MATERIAL IS TO BE PLACED ON A THOROUGHLY COMPACTED DGB BASE MATERIAL.
- EXPANSION JOINTS (EJ) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARDS FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES, AND ELSEWHERE AT MAX 12m CENTRES.
- WEAKENED PLAN JOINTS TO BE MINIMUM 3mm WIDE AND LOCATED К4 AT 3m CENTRES.
- K5 RAMPED AND VEHICULAR CROSSINGS SHALL HAVE BROOMED FINISH. ALL OTHER KERBING OR DISH GUTTER TO HAVE STEEL FLOAT FINISH.

	VIATIONS/ACRONYMS	MH MAX	MAINTENANCE HOLE
AC	ASPHALTIC CONCRETE	MMDD	MODIFIED MAXIMUM
ARI			DRY DENSITY
AS	INTERVAL AUSTRALIAN STANDARD	MIN	MINIMUM
AS BoK	BACK OF KERB	NATA	NATIONAL ASSOCIATION
BK	BARRIER KERB		OF TESTING AUTHORITIES
BEW	BULK EARTHWORK	NoMK	NOMINAL KERB
CBR	CALIFORNIA BEARING RATIO	NTS	NOT TO SCALE
GMC	GOULBURN MULWAREE COUNCIL		OUTSIDE DIAMETER
		P	PARKING AREA
۹ ۲		P PB	PROPOSED BOUNDARY
CL	COVER LEVEL	RAB	ROUND ABOUT
CH	CHAINAGE	RCP	REINFORCED CONCRETE
	CONSTRUCTION JOINT	NCF	PIPE
CONC	CONCRETE	RL	REDUCED LEVEL
CL2	PIPE CLASS 2	RRJ	RUBBER RING JOINT
Ø	PIPE DIAMETER	RTW	RETAINING WALL
	(NOMINAL INTERNAL)	STD	STANDARD
DD	DISH DRAIN	SV	STOP VALVE
DRG		SW	STORMWATER
DICL	DUCTILE IRON CEMENT LINED	ТоК	TOP OF KERB
EJ	EXPANSION JOINT	ТР	TANGENT POINT
ES	EXISTING SURFACE	TPZ	TREE PROTECTION ZONE
EX	EXISTING	U/G	UNDERGROUND
=P	FLUSHING POINT	uPVC	UNPLASTICISED POLYVIN
AD	INTER-ALLOTMENT DRAINAGE		CHLORIDE
HP	HIGH POINT	ТҮР	TYPICAL
L		VC	VEHICLE CROSSING
KG	UPRIGHT KERB & GUTTER	WAE	WORKS AS EXECUTED
LO	LOW POINT	WAE	WURNS AS EXECUTED



AL AUTHORITY GOULBURN MULWAREE COUNCIL	GENERAL NOTES ABBREVIATIONS AND ACRONYMS					
GOULBURN PROJECTS	DRAWING FILE P001907_26 LITHGOW STREET, GC	JOB CODE P001907				
TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580		R.L. DATUM ORIGINAL A1	SHEET NUMBER REV			
	FOR APPROVAL	AI	0005			



LEGEND	
640.0	EXISTING CONTOUR MAJOR (0.5m INTERVAL)
640.1	EXISTING CONTOUR MINOR (0.1m INTERVAL)
Е <u></u>	EXISTING ELECTRICITY
S	EXISTING SEWER
NBN NBN	EXISTING UNDERGROUND NBN CABLE
G G	EXISTING GAS
w w	EXISTING WATER
	EXISTING KERB KERB & GUTTER
	EXISTING ROAD CENTRELINE
////////	EXISTING FENCE
WM	EXISTING WATER METER
SMH	EXISTING SEWER MAINTENANCE HOLE
C	EXISTING GAS METER
Н	EXISTING HYDRANT
- \\ -	EXISTING STOP VALVE
	EXISTING NBN PIT
р РР	EXISTING LIGHT POLE
	EXISTING DISH DRAIN
	EXISTING GULLY PIT
	EXISTING BUILDING
	EXISTING TREE

THESE PLANS ARE PREPARED FROM A COMBINATION OF FIELD SURVEY AND BYD RECORDS FOR INFORMATION ONLY AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE. THE SITE BOUNDARY HAS BEEN ADOPTED FROM THE SURVEY DATA PROVIDED.

SERVICES SHOWN HEREON HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY AND AVAILABLE SOURCE OF INFORMATION. IT IS ONLY INDICATIVE FOR INFORMATION ONLY.

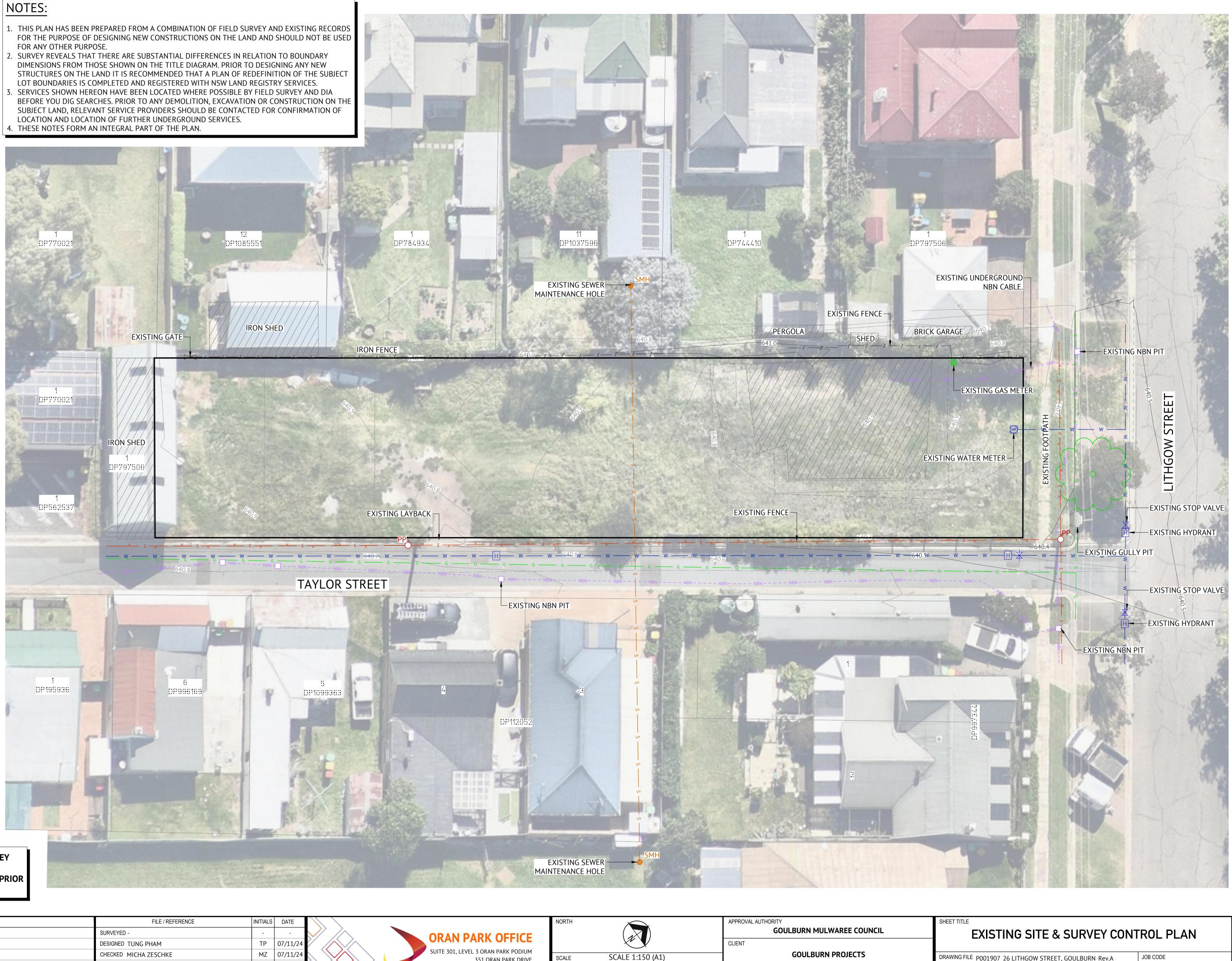
THE ASSETS OWNERS LISTED BELOW HAVE BEEN IDENTIFIED NEAR THE WORK SITE: 13 23 91 ESSENTIAL ENERGY * JEMENA GAS * 1300 880 906 PIPELINE EGP(NSW)

*	NBN Co NswAct	1800 687 626
*	GOULBURN MULWAREE COUNCIL	02 4823 4500
*	SYDNEY WATER	13 20 92

PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITY SHOULD BE CONTACTED FOR POSSIBLE LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.

USERS OF THIS PLAN SET SHOULD SATISFY THEMSELVES OF THE POSITION AND EXTENT OF SERVICES IN THE AREA OF PROPOSED WORKS.

- FOR ANY OTHER PURPOSE.
- LOCATION AND LOCATION OF FURTHER UNDERGROUND SERVICES.



PREMISE ACCEPTS NO RESPONSIBILITY FOR ANY SURVEY **INFORMATION PROVIDED. ALL SURVEY INFORMATION** SHOULD BE CONFIRMED BY A REGISTERED SURVEYOR PRIOR TO CONSTRUCTION.

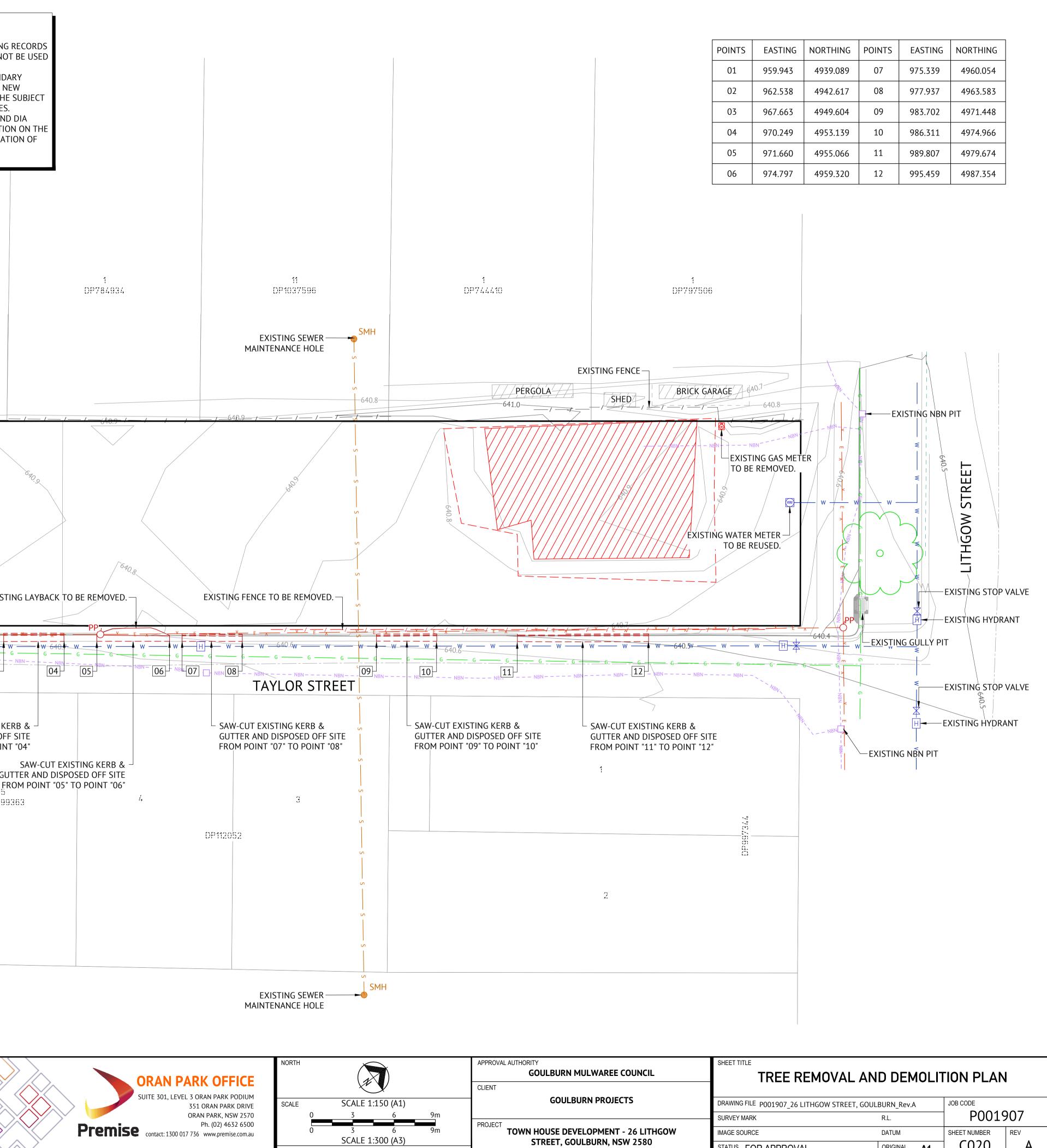
REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	
					(1)			
					MICHA ZESCHEKE			

ORAN PARK OFFICE	NORTH					APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL
SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570	SCALE	0	SCALE 1:	150 (A1)	9m	GOULBURN PROJECTS
Ph. (02) 4632 6500 Ph. (02) 4632 6500 contact: 1300 017 736 www.premise.com.au		0	3 SCALE 1: ORIGINAL SH	~ /	9m	PROJECT TOWN HOUSE DEVELOPMENT - 26 LITHG STREET, GOULBURN, NSW 2580

	DRAWING FILE P001907_26 LITHGOW STREET, GO	JOB CODE		
	SURVEY MARK	R.L.	- P001	907
GOW	IMAGE SOURCE	DATUM	SHEET NUMBER	REV
	STATUS FOR APPROVAL	ORIGINAL A1	C010	A

			NOTES:			
<u>EGEND</u> 640.0	EXISTING CONTOU (0.5m INTERVAL) EXISTING CONTOU		 FOR THE PURPOSE FOR ANY OTHER PU 2. SURVEY REVEALS T DIMENSIONS FROM STRUCTURES ON T LOT BOUNDARIES I 3. SERVICES SHOWN F BEFORE YOU DIG SI SUBJECT LAND, REL LOCATION AND LOG 	EN PREPARED FROM A CO OF DESIGNING NEW CON JRPOSE. HAT THERE ARE SUBSTAN THOSE SHOWN ON THE HE LAND IT IS RECOMMEN S COMPLETED AND REGIS HEREON HAVE BEEN LOCA EARCHES. PRIOR TO ANY LEVANT SERVICE PROVIDE CATION OF FURTHER UND M AN INTEGRAL PART OF	STRUCTIONS ON THE LA NTIAL DIFFERENCES IN R TITLE DIAGRAM. PRIOR T NDED THAT A PLAN OF R STERED WITH NSW LAND ATED WHERE POSSIBLE B DEMOLITION, EXCAVATIO ERS SHOULD BE CONTAC DERGROUND SERVICES.	ND AND SHOULD NO ELATION TO BOUNDA O DESIGNING ANY NE EDEFINITION OF THE REGISTRY SERVICES. BY FIELD SURVEY AND ON OR CONSTRUCTIO
	(0.1m INTERVAL) EXISTING ELECTRI EXISTING SEWER	CITY ROUND NBN CABLE GUTTER GUTTER ENTRELINE O BE REMOVED METER	1 DP770021	EXISTING GAT	12 DP108555	51
© H → ->+ ->- -> -> -> -> -> -> -> -> -	EXISTING GAS MET EXISTING HYDRAN EXISTING STOP VA EXISTING NBN PIT EXISTING BUILDIN EXISTING BUILDIN FOUNDATIONS TO EXISTING LIGHT P	TER T LVE G BE REMOVED	1 DP770021	IRON SHED		
	EXISTING DISH DR EXISTING GULLY P EXISTING TREE	AIN IT 	1 DP562537	DP797506	6 _{40,0}	EXIST
ND SHOULD NOT BE ITE BOUNDARY HAS ATA PROVIDED. ERVICES SHOWN HEF (HERE POSSIBLE BY I	ORECORDS FOR INF USED FOR ANY OTHE BEEN ADOPTED FROM REON HAVE BEEN LOC FIELD SURVEY AND AV TION. IT IS ONLY INDI	ATED ATED			WG W	× × × × × × × × × × × × × × × × × × ×
	LISTED BELOW HAVE WORK SITE: RGY	E BEEN 13 23 91 1300 880 906	GUTT	SAW-CUT EXISTING KERB ER AND DISPOSED OFF SI M POINT "01" TO POINT "0	TE GUTTE	AW-CUT EXISTING KE R AND DISPOSED OFF POINT "03" TO POINT
* NBN Co NswAc	t ILWAREE COUNCIL	1800 687 626 02 4823 4500 13 20 92	1 DP195936	DP	6 996169	GU ⁻ FR 5 DP1099
CONSTRUCTION ON T	LITION, EXCAVATION HE SITE, THE RELEVA BE CONTACTED FOR F ER UNDERGROUND SE OF ALL SERVICES.	NT POSSIBLE				
	SET SHOULD SATISFY D EXTENT OF SERVICE					

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	\sim
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					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	
					(1)			
					MICHA ZESCHEKE			

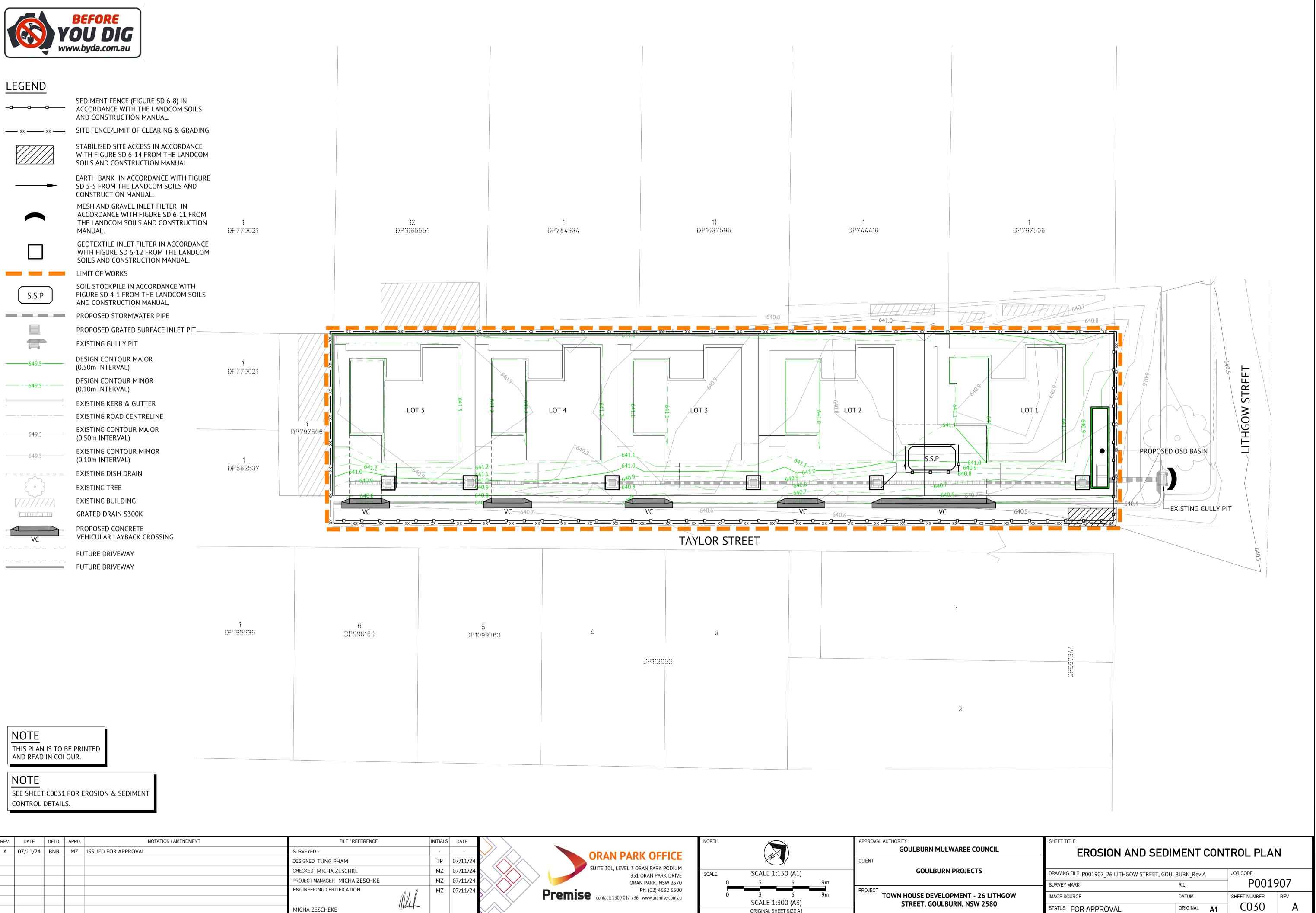


ORIGINAL SHEET SIZE A1

POINTS	EASTING	NORTHING	POINTS	EASTING	NORTHING
01	959.943	4939.089	07	975.339	4960.054
02	962.538	4942.617	08	977.937	4963.583
03	967.663	4949.604	09	983.702	4971.448
04	970.249	4953.139	10	986.311	4974.966
05	971.660	4955.066	11	989.807	4979.674
06	974.797	4959.320	12	995.459	4987.354

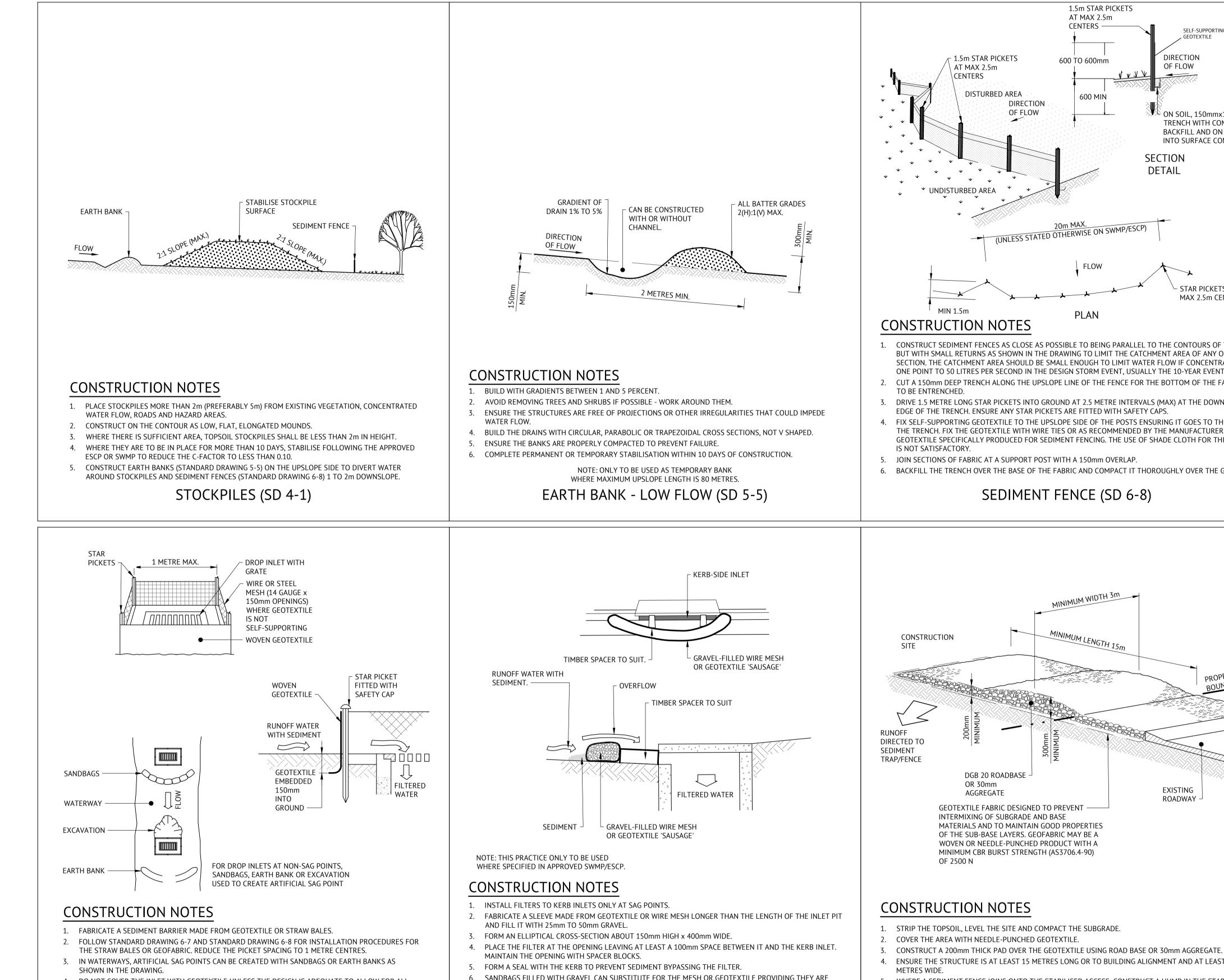
	DRAWING FILE P001907_26 LITHGOW STREET, GOUL	JOB CODE			
	SURVEY MARK	R.L.		P0019	907
GOW	IMAGE SOURCE	DATUM		SHEET NUMBER	REV
	STATUS FOR APPROVAL		1	C020	A





REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	
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					ENGINEERING CERTIFICATION	MZ	07/11/24	
					MICHA ZESCHEKE			

ORAN PARK OFFICE	NORTH	APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL
SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570	SCALE SCALE 1:150 (A1) 0 3 6 9m	CLIENT GOULBURN PROJECTS
Ph. (02) 4632 6500 Premise contact: 1300 017 736 www.premise.com.au	0 3 6 9m SCALE 1:300 (A3) ORIGINAL SHEET SIZE A1	PROJECT TOWN HOUSE DEVELOPMENT - 26 LITH STREET, GOULBURN, NSW 2580



4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER (SD 6-12)

IMAG	IMAGE SOURCE: LANDCOM BLUE BOOK									
REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE			
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-			
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					ENGINEERING CERTIFICATION	MZ	07/11/24			
					(1) / . /					
					MICHA ZESCHEKE					

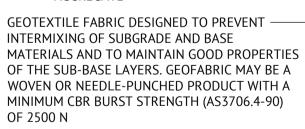
APPROVAL AUTHORITY		NORTH		
GOULBURN MULWAREE COUNCIL				
CLIENT			ORAN PARK OFFICE	
GOULBURN PROJECTS		SCALE	SUITE 301, LEVEL 3 ORAN PARK PODIUM	
		SCALE	351 ORAN PARK DRIVE ORAN PARK, NSW 2570	\bigvee
PROJECT	N/A			///////////////////////////////////////
TOWN HOUSE DEVELOPMENT - 26 LITH			Ph. (02) 4632 6500 Contact: 1300 017 736 www.premise.com.au	
STREET, GOULBURN, NSW 2580	ORIGINAL SHEET SIZE A1			\wedge

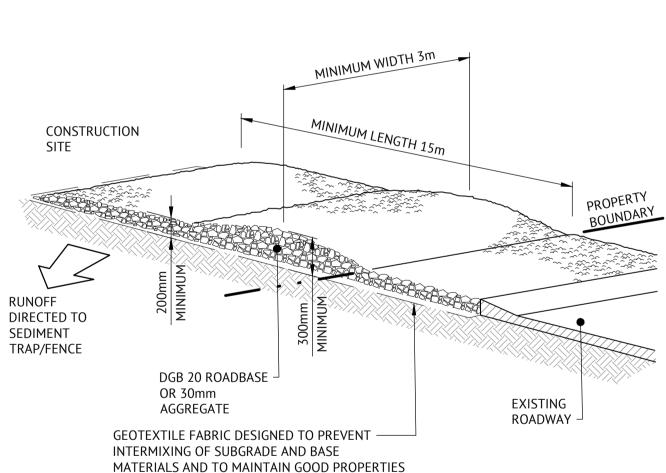
MESH AND GRAVEL INLET FILTER (SD 6-11)

- SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

STABILISED SITE ACCESS (SD 6-14)





SEDIMENT FENCE (SD 6-8)

DIRECTION OF FLOW

	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS						
	DRAWING FILE P001907_26 LITHGOW STREET, GOUL	JOB CODE					
	SURVEY MARK	R.L.	P0019	907			
GOW	IMAGE SOURCE	DATUM	SHEET NUMBER	REV			
	STATUS FOR APPROVAL	ORIGINAL A1	C031	A			

WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED

SHEET TITLE

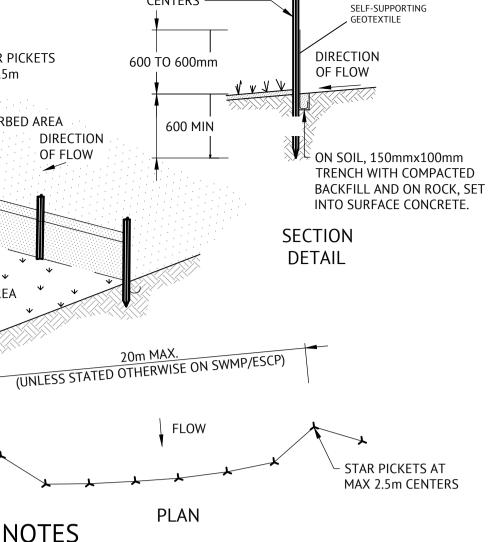
4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3

6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE

2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC 3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE

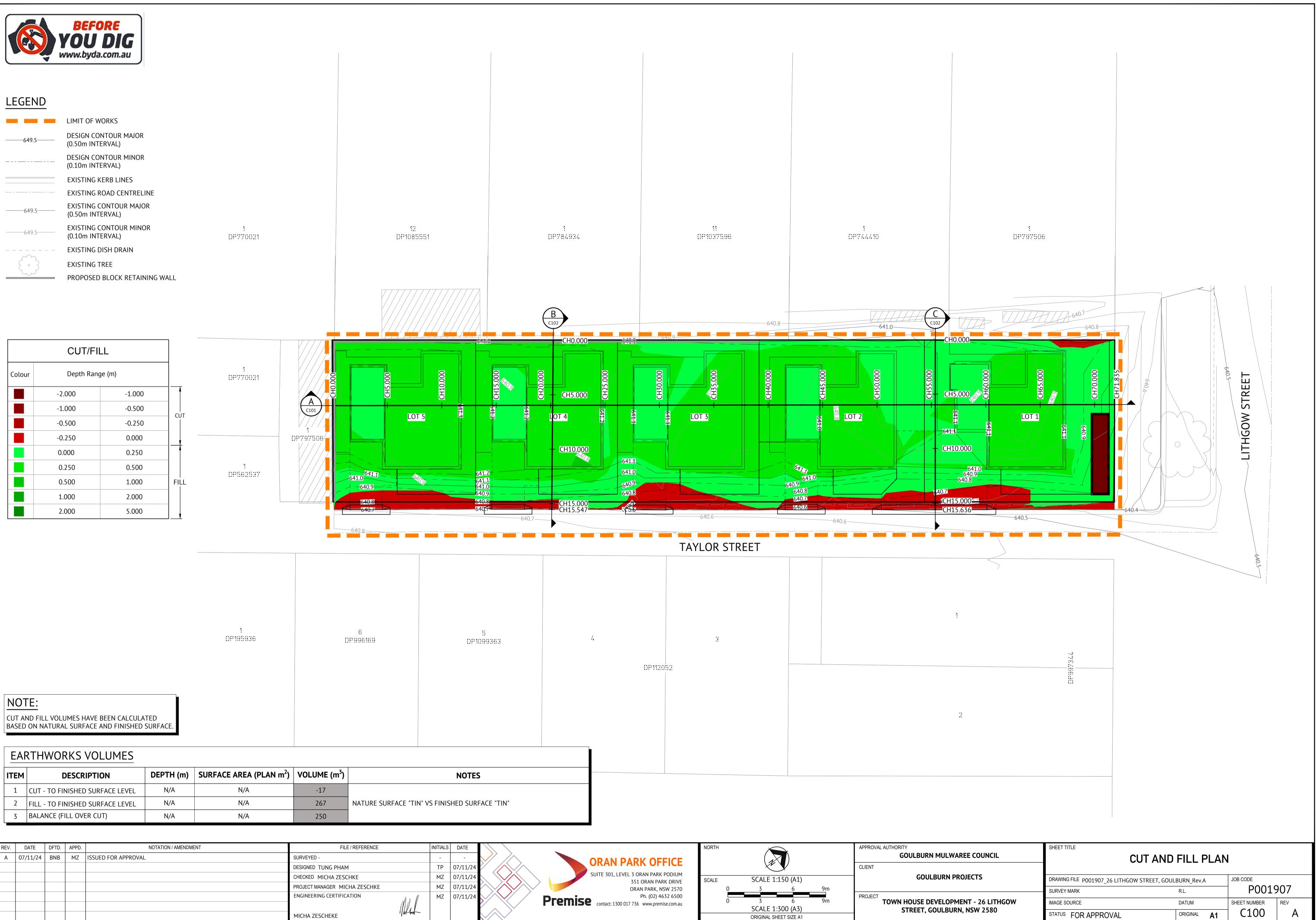
1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.



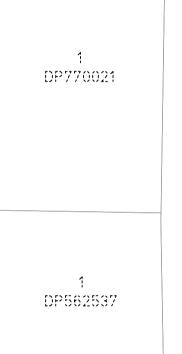
1.5m STAR PICKETS AT MAX 2.5m CENTERS -

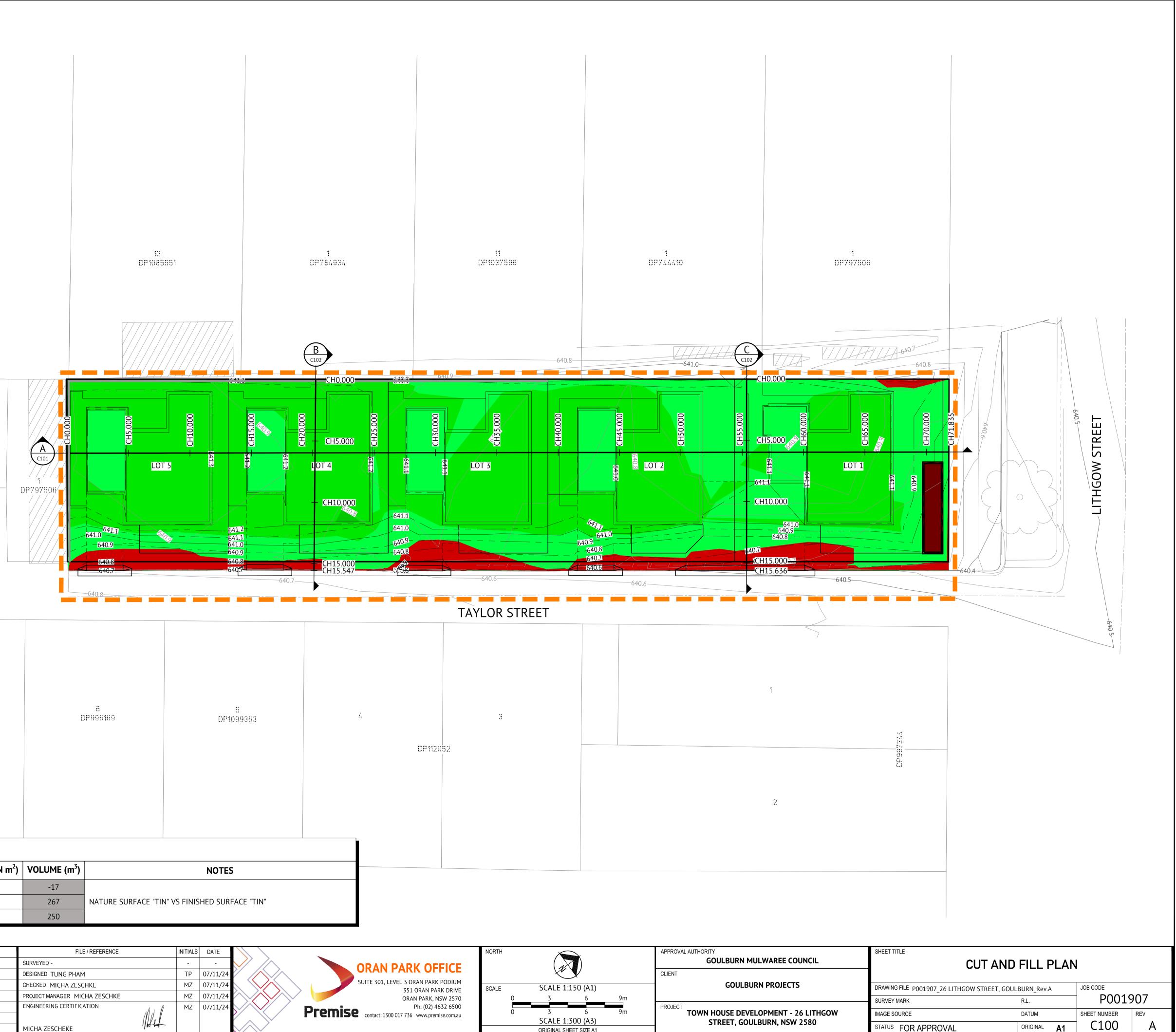
FLOW

PLAN



	CUT/FII	LL	
Colour	Depth Rang	ge (m)	
	-2.000	-1.000	
	-1.000	-0.500	СОТ
	-0.500	-0.250	
	-0.250	0.000	
	0.000	0.250	
	0.250	0.500	
	0.500	1.000	
	1.000	2.000	
	2.000	5.000	





1		
DP195936	6 DP996169	5 DP1099363
Ξ.		

ITEM	DESCRIPTION	DEPTH (m)	SURFACE AREA (PLAN m ²)	VOLUME (m ³)	NOTES
1	CUT - TO FINISHED SURFACE LEVEL	N/A	N/A	-17	
2	FILL - TO FINISHED SURFACE LEVEL	N/A	N/A	267	NATURE SURFACE "TIN" VS FINISHED SURFACI
3	BALANCE (FILL OVER CUT)	N/A	N/A	250	

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -		-	
					DESIGNED TUNG PHAM	ТР	07/11/24	\checkmark
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	
					(1)			
					MICHA ZESCHEKE			\searrow

SCALE 1:300 (A3) ORIGINAL SHEET SIZE A1

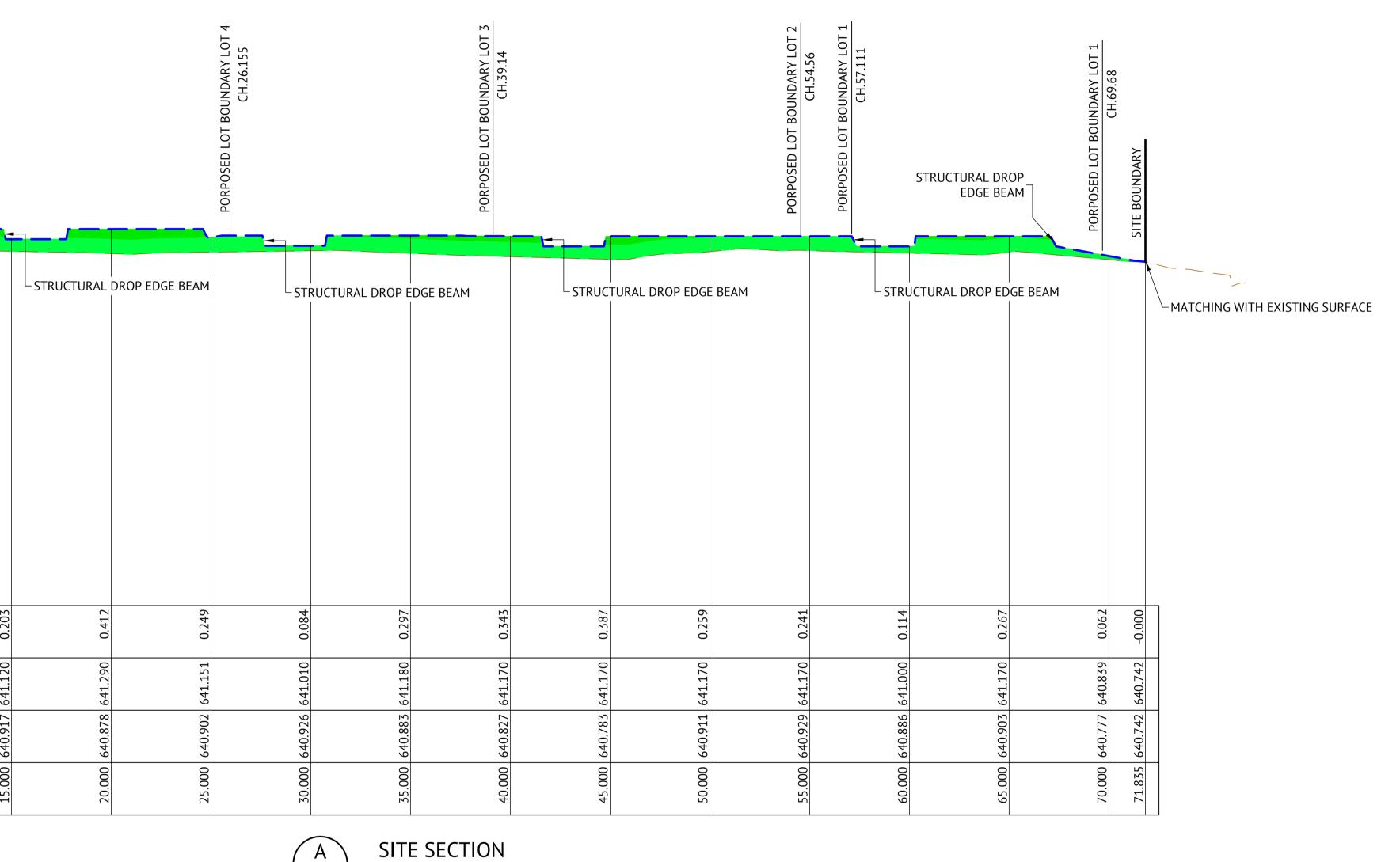
	CUT/FII	L			
Colour Depth Range (m)					
	-2.000	-1.000			
	-1.000	-0.500	СІ		
	-0.500	-0.250			
	-0.250	0.000			
	0.000	0.250			
	0.250	0.500	FI		
	0.500	1.000			

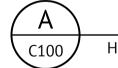
PROPOSED BLOCK RETAINING WALL —	SITE BOUNDARY		PORPOSED LOT BOUNDARY LOT 5	CH.13.111
DATUM R.L. 635.000				
CUT/FILL	-0.004	0.391	0.371	0.203
FINISHED SURFACE LEVEL	640.893	641.320	641.320	641.120
NATURAL SURFACE LEVEL	640.897	640.929	640.949	640.917
CHAINAGE	0000	5.000	10.000	15.000
	<u> </u>	I	I	

NOTE:

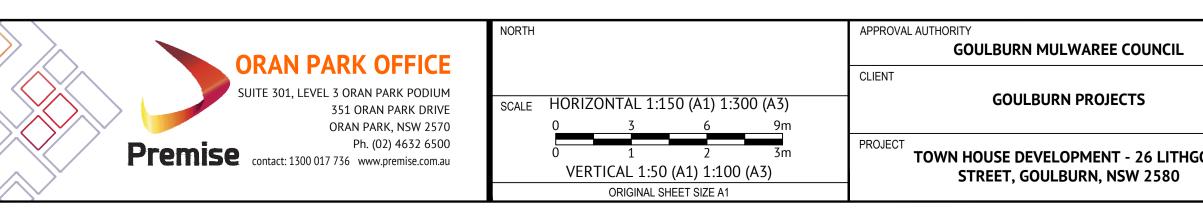
CUT AND FILL VOLUMES HAVE BEEN CALCULATED BASED ON NATURAL SURFACE AND FINISHED SURFACE.

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	
					MICHA ZESCHEKE			



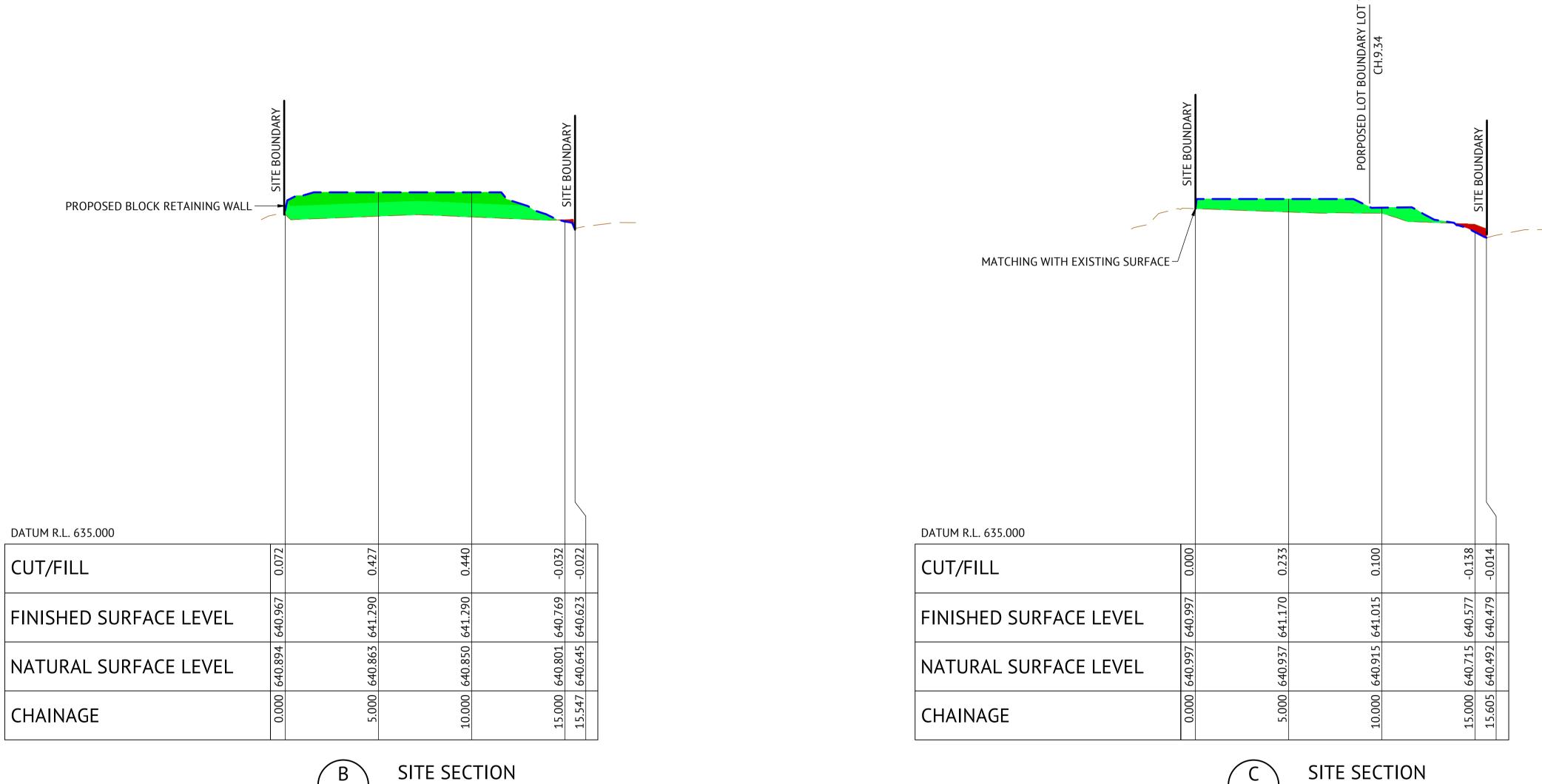


HORIZ. 1:150 - VERT. 1:50



-	SHEET TITLE SITE REGRADING SECTIONS - SHEET 1 OF 2							
	DRAWING FILE P001907_26 LITHGOW STREET, GOUL	JOB CODE P0019	007					
	SURVEY MARK	R.L.	P0015	/0/				
HGOW	IMAGE SOURCE	DATUM	SHEET NUMBER	REV				
	STATUS FOR APPROVAL	ORIGINAL A1	C101	A				

	CUT/FII	L					
Colour	Colour Depth Range (m)						
	-0.500	-0.250					
	-0.250	0.000					
	0.000	0.250					
	0.250	0.500	FIL				
	0.500	1.000					



NOTE:

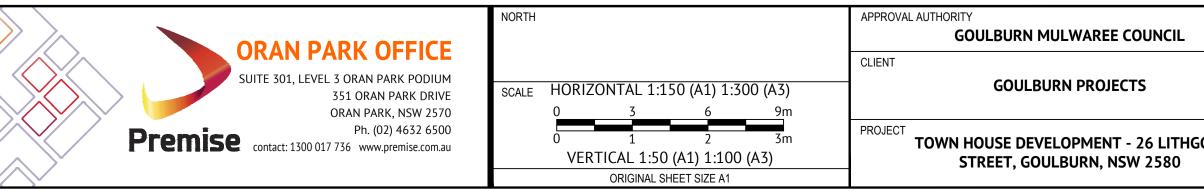
CUT AND FILL VOLUMES HAVE BEEN CALCULATED BASED ON NATURAL SURFACE AND FINISHED SURFACE.

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	
					MICHA ZESCHEKE			

HORIZ. 1:150 - VERT. 1:50

C100

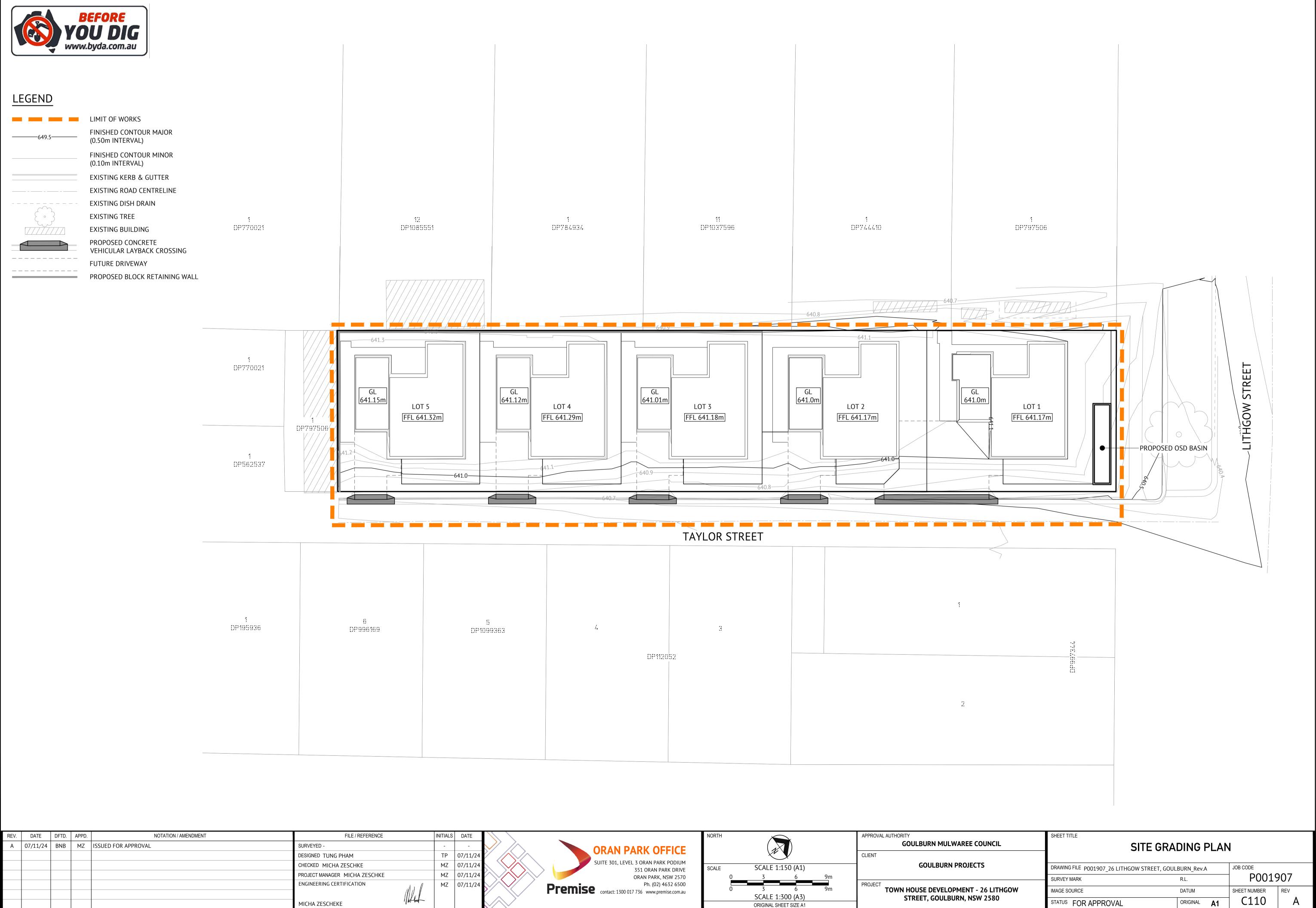
C100



SITE SECTION

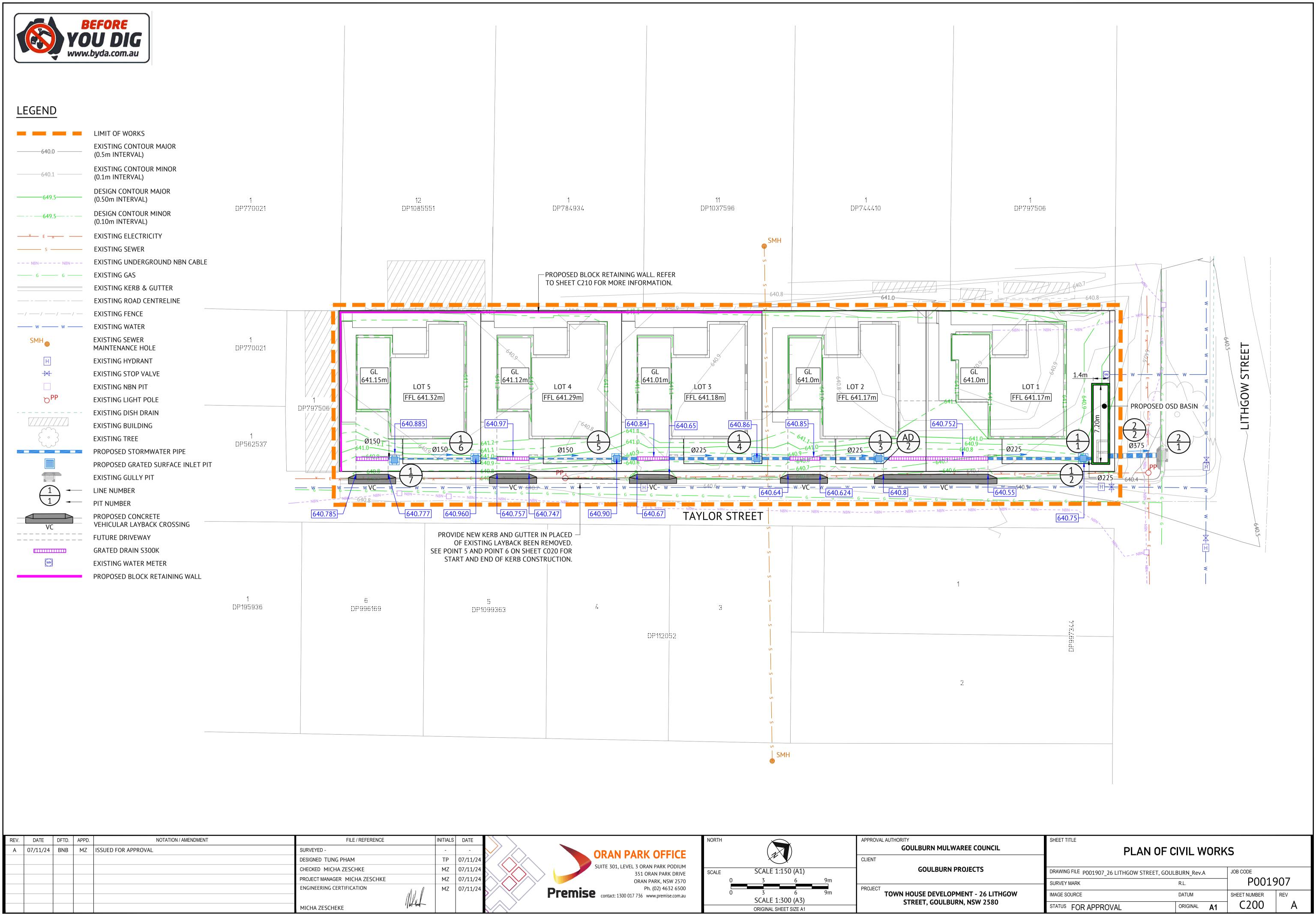
HORIZ. 1:150 - VERT. 1:50

SHEET TITLE SITE REGRADING SECTIONS - SHEET 2 OF 2						
	DRAWING FILE P001907_26 LITHGOW STREET, GO	JOB CODE				
	SURVEY MARK	R.L.		907		
IGOW	IMAGE SOURCE	DATUM	SHEET NUMBER	REV		
	STATUS FOR APPROVAL	ORIGINAL A1	C102	A		



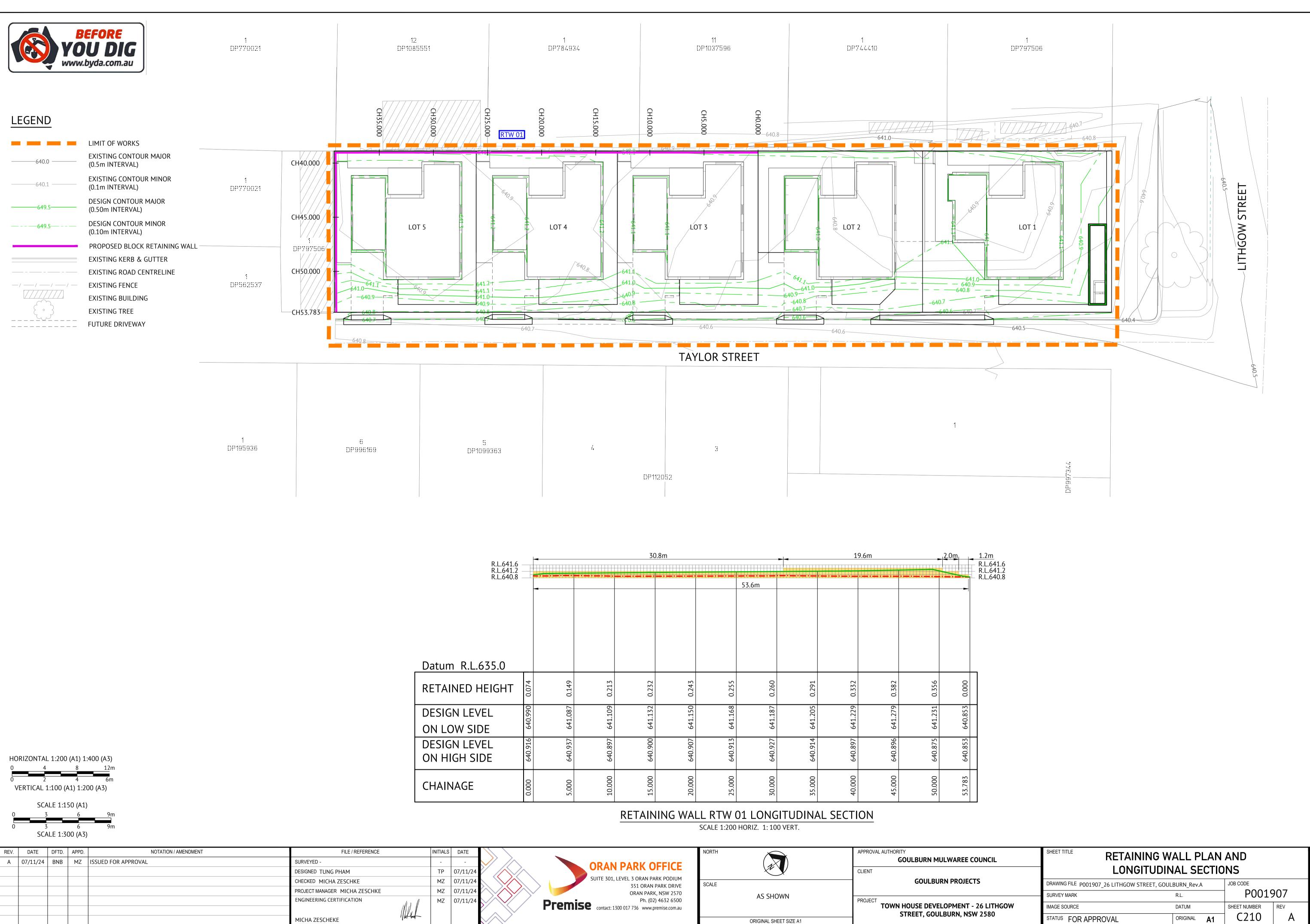
REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE		DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -		-	\sim
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	\sim
					ENGINEERING CERTIFICATION	MZ	07/11/24	\searrow
					MICHA ZESCHEKE			

ORAN PARK OFFICE	NORTH					APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL
SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570	SCALE	0	SCALE 1 3	:150 (A1) 6	9m	GOULBURN PROJECTS
Ph. (02) 4632 6500 Premise contact: 1300 017 736 www.premise.com.au		0		6 :300 (A3) HEET SIZE A1	9m	PROJECT TOWN HOUSE DEVELOPMENT - 26 LITHO STREET, GOULBURN, NSW 2580



REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	\backslash
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	\checkmark
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	\sim
					ENGINEERING CERTIFICATION	MZ	07/11/24	\checkmark
					(1) // " /			
					MICHA ZESCHEKE			\swarrow

ORAN PARK OFFICE	NORTH	APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL
SUITE 301, LEVEL 3 ORAN PARK OFFICE SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570	SCALE SCALE 1:150 (A1) C 0 3 6 9m	GOULBURN PROJECTS
Ph. (02) 4632 6500 Premise contact: 1300 017 736 www.premise.com.au	0 3 6 9m SCALE 1:300 (A3)	TOWN HOUSE DEVELOPMENT - 26 LITH STREET, GOULBURN, NSW 2580
	ORIGINAL SHEET SIZE A1	



REV	. DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE			NORTH	\sim	APPROVAL AUTHORITY
				ISSUED FOR APPROVAL	SURVEYED -	-	-	\rightarrow				GOULBURN MULWAREE COUNCIL
					DESIGNED TUNG PHAM	TP	07/11/24		ORAN PARK OFFICE			CLIENT
					CHECKED MICHA ZESCHKE	MZ	07/11/24		SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE	SCALE		GOULBURN PROJECTS
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24		ORAN PARK DRIVE	00,122		
					ENGINEERING CERTIFICATION	MZ	07/11/24	//////			AS SHOWN	
									Premise contact: 1300 017 736 www.premise.com.au			TOWN HOUSE DEVELOPMENT - 26 LITHGOV STREET, GOULBURN, NSW 2580
					MICHA ZESCHEKE	+					ORIGINAL SHEET SIZE A1	

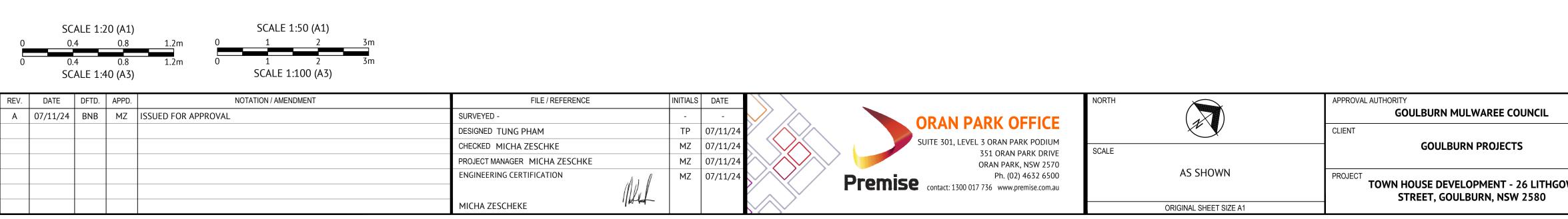
R.L.641.6 - R.L.641.2 - R.L.640.8 -				30).8m			1	9.6m		2.0m	1.2m R.L.641.6 R.L.641.2 R.L.640.8	
R.L.640.8 -				₩₩₽ ;•] ₩₩ ₩] ₩₩₩ ₩₩₽			53.6m	• = • • • • • • • • • • • • • • • • •	<u> </u>	• • • • • • • • • • • • • • • • • • • •			⊢ R.L.640.8
35.0													
EIGHT	0.074	0.149	0.213	0.232	0.243	0.255	0.260	0.291	0.332	0.382	0.356	0.000	
E	640.990	641.087	641.109	641.132	641.150	641.168	641.187	641.205	641.229	641.279	641.231	640.853	
EL DE	640.916	640.937	640.897	640.900	640.907	640.913	640.927	640.914	640.897	640.896	640.875	640.853	
	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	53.783	

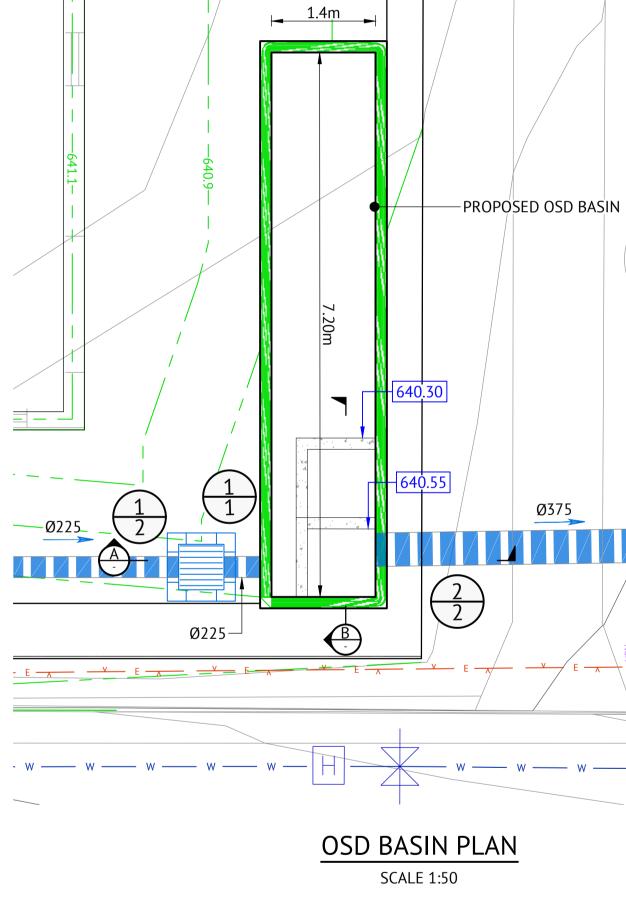


640.0	EXISTING CONTOUR MAJOR (0.5m INTERVAL)
640.1	EXISTING CONTOUR MINOR (0.1m INTERVAL)
649.5	DESIGN CONTOUR MAJOR (0.50m INTERVAL)
<u> </u>	DESIGN CONTOUR MINOR (0.10m INTERVAL)
<u> </u>	EXISTING ELECTRICITY
NBN NBN	EXISTING UNDERGROUND NBN CABLE
G G	EXISTING GAS
	EXISTING KERB & GUTTER
	EXISTING ROAD CENTRELINE
w w	EXISTING WATER
Н	EXISTING HYDRANT
->	EXISTING STOP VALVE
° ^{PP}	EXISTING LIGHT POLE
	PROPOSED STORMWATER PIPE
	PROPOSED GRATED SURFACE INLET PIT
	EXISTING GULLY PIT
	LINE NUMBER
	PIT NUMBER
640.30	SPOT LEVEL
WM	EXISTING WATER METER

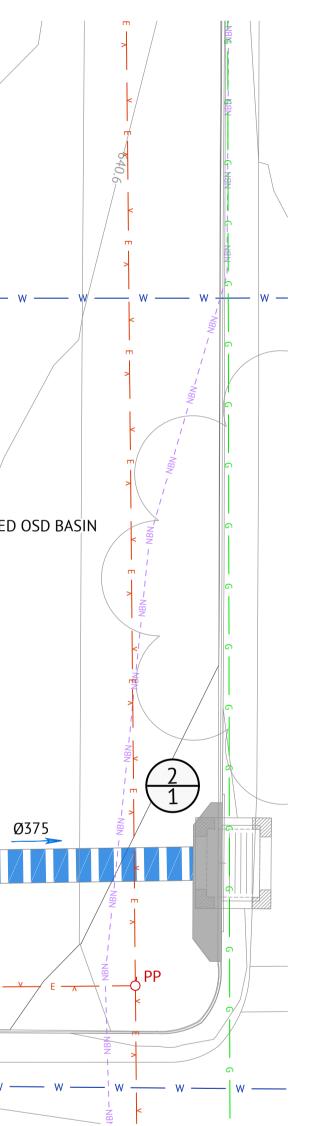
PRE DEVELOPMENT	POST DEVELOPMENT					
(Vs)	OUTFLOW (I/s)	WSL				
13	11	640.26				
17	12	640.37				
22	13	640.53				
24	24	640.53				
28	26	640.55				
	(Vs) 13 17 22 24	Image: PRE DEVELOPMENT OUTFLOW (Vs) (Vs) OUTFLOW (Vs) 13 11 17 12 22 13 24 24				

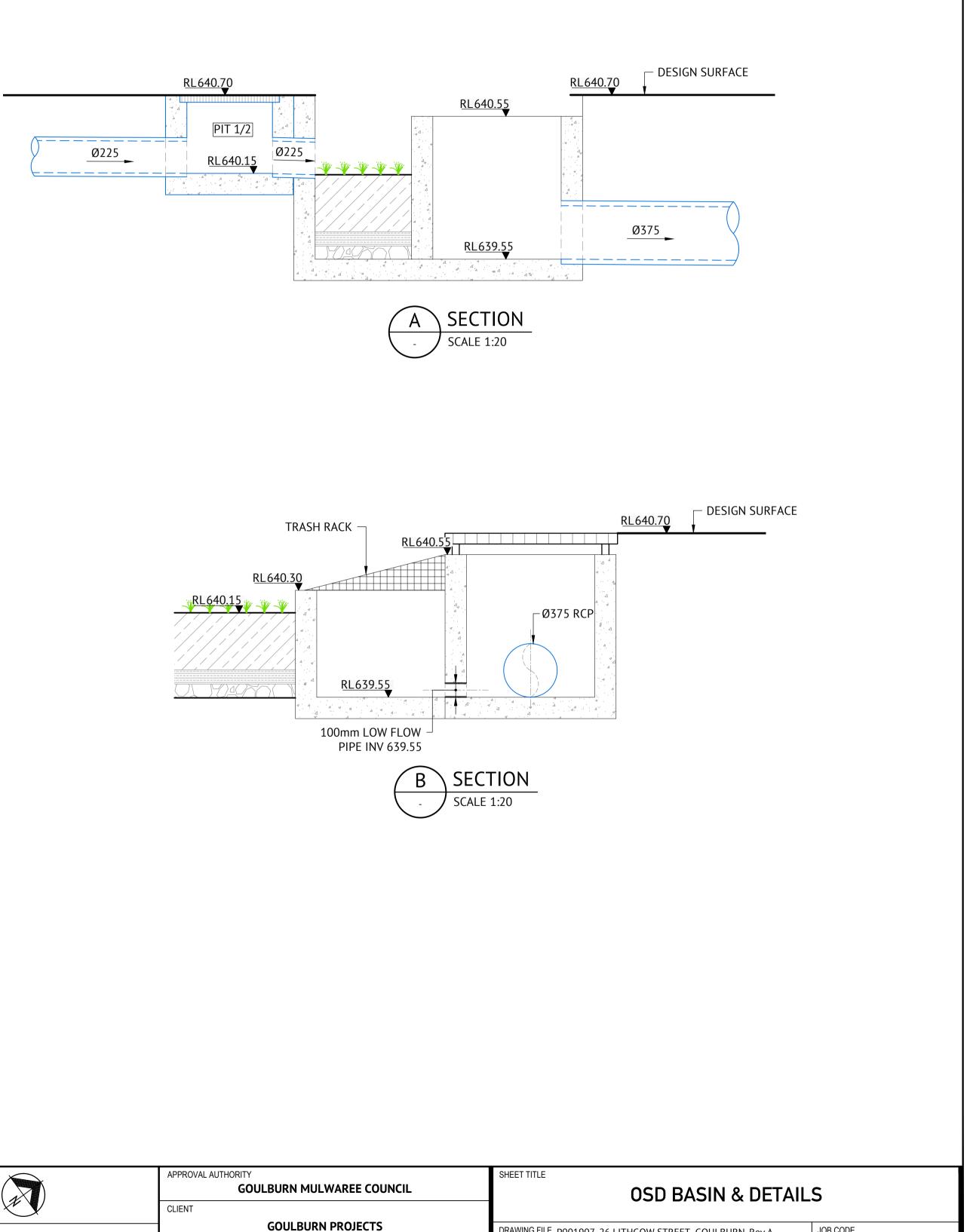
CONTROLS 1. 100 mm Low Flow pipe inv639.55 2. 2 m Weir inv640.55

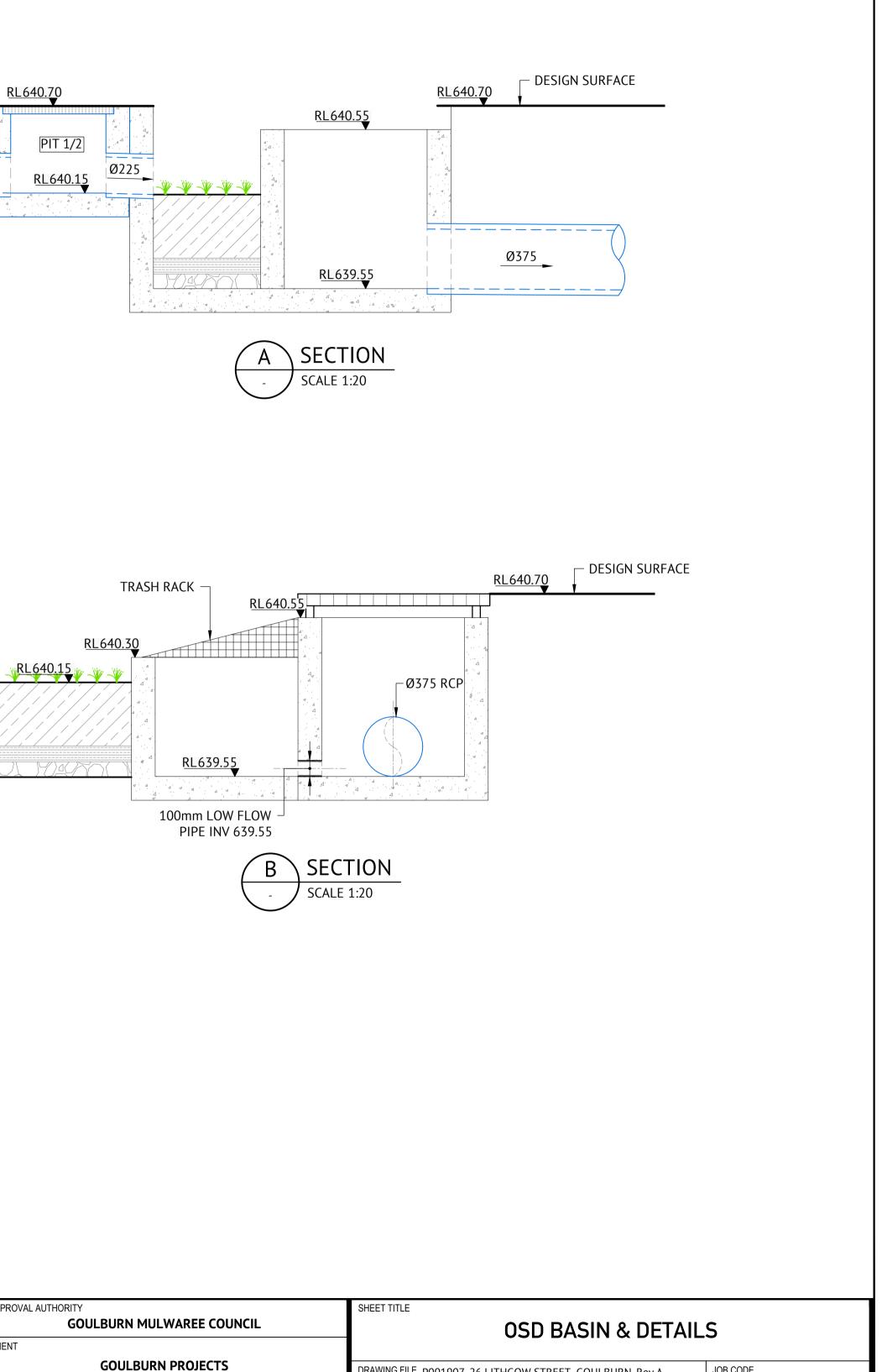




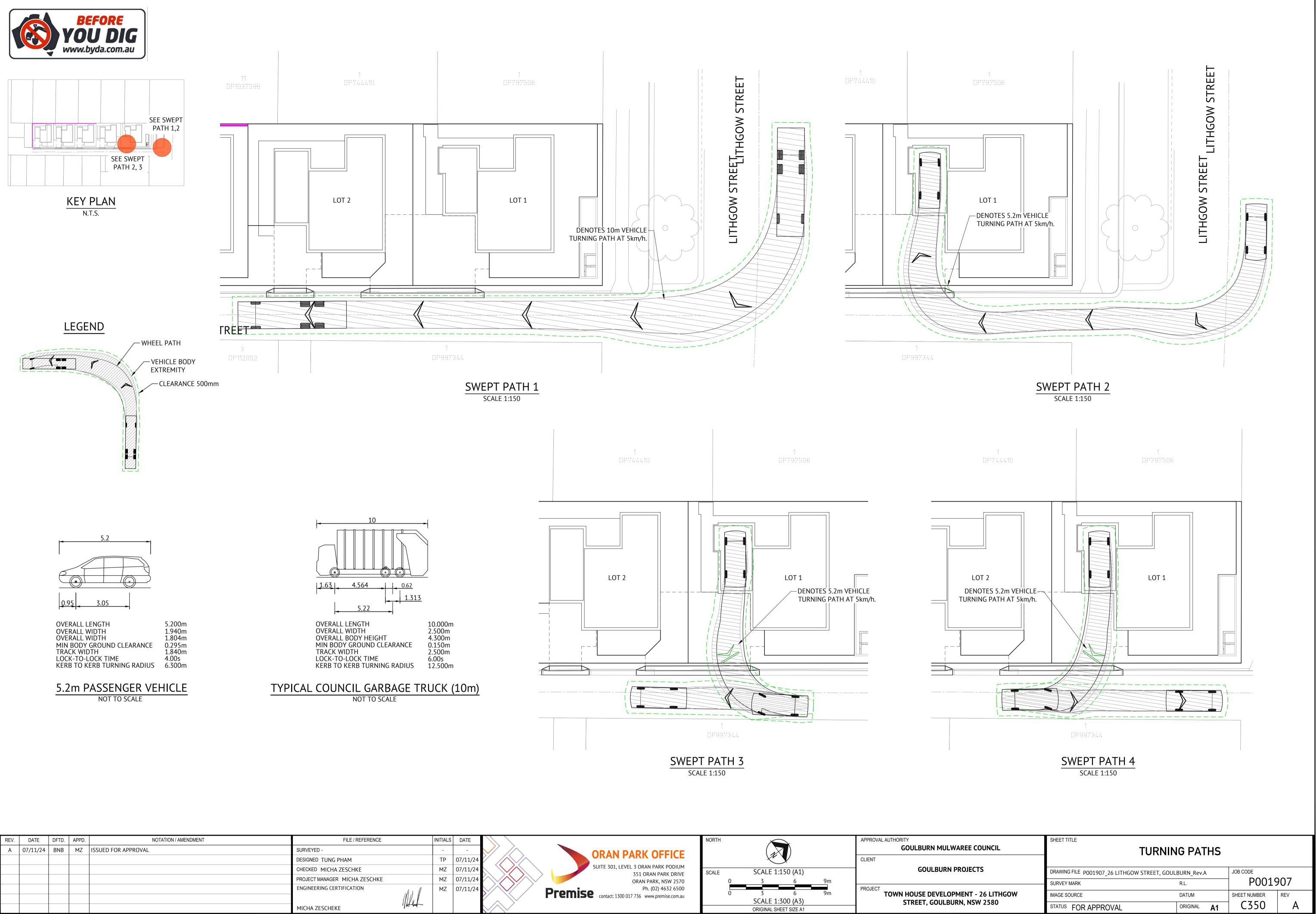
WM-



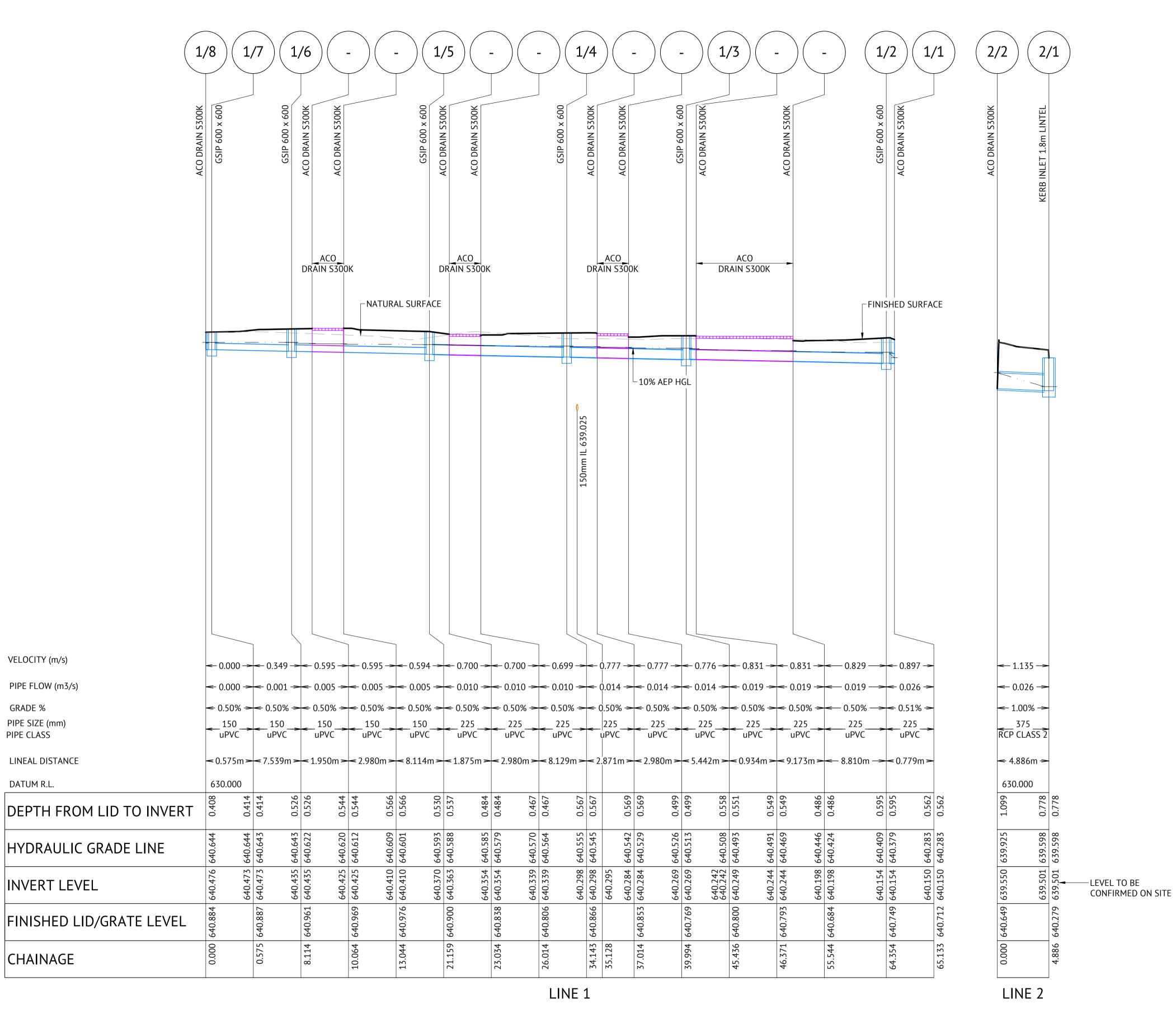




DRAWING FILE P001907_26 LITHGOW ST	DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A									
SURVEY MARK	R.L.	P001907								
GOW IMAGE SOURCE	DATUM	SHEET NUMBER	REV							
STATUS FOR APPROVAL	ORIGINAL A1	C250	A							

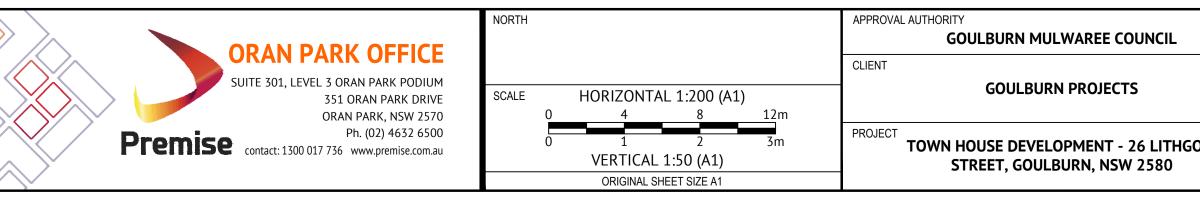






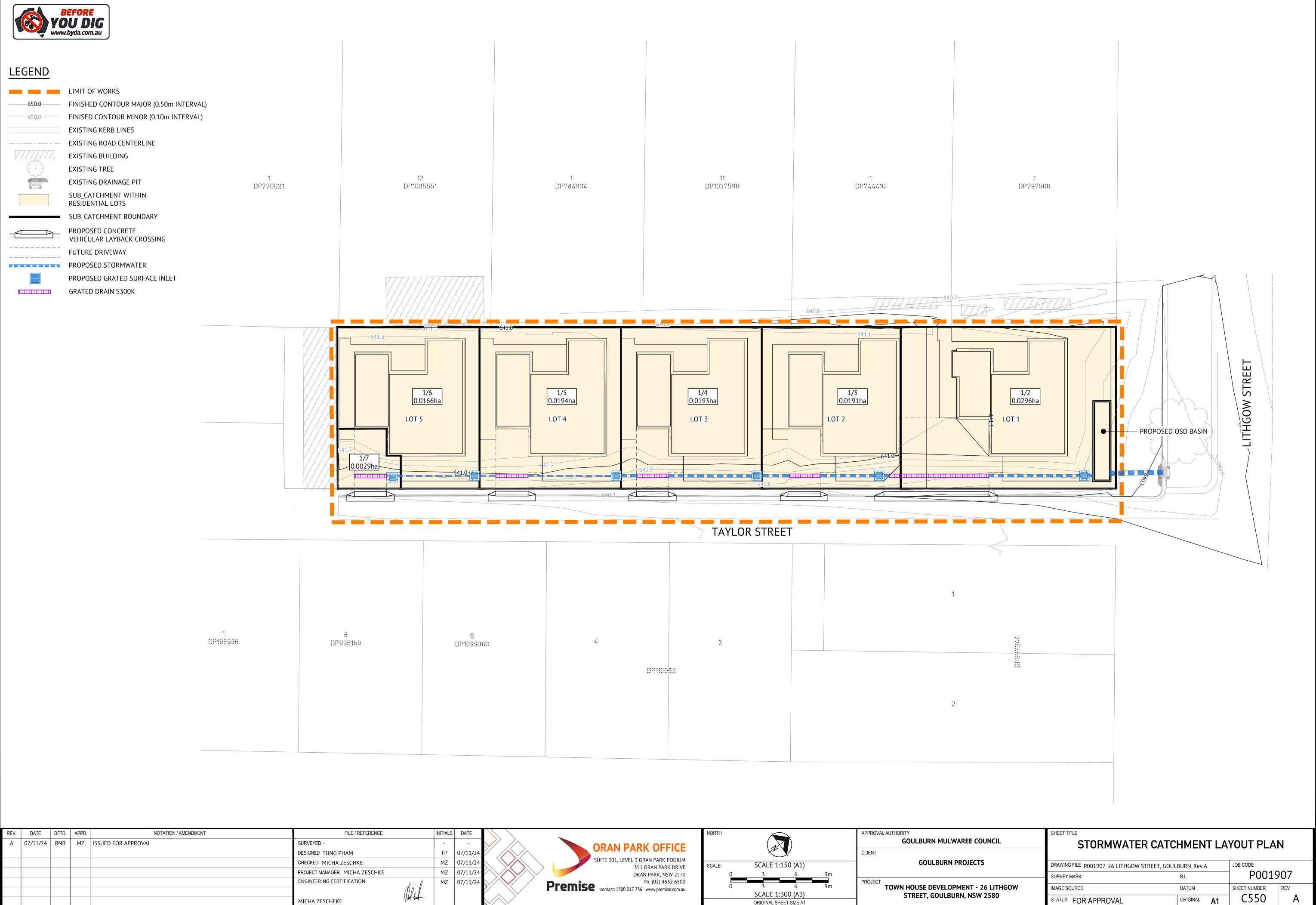
								_
REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	\sim
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	\sim

GRADE %



	SHEET TITLE STORMWATER LONGITUDINAL SECTIONS											
	DRAWING FILE P001907_26 LITHGOW STREET, GOUL	JOB CODE										
	SURVEY MARK	R.L.	P0019	907								
IGOW	IMAGE SOURCE	DATUM	SHEET NUMBER	REV								
	STATUS FOR APPROVAL	ORIGINAL A1	C520	A								



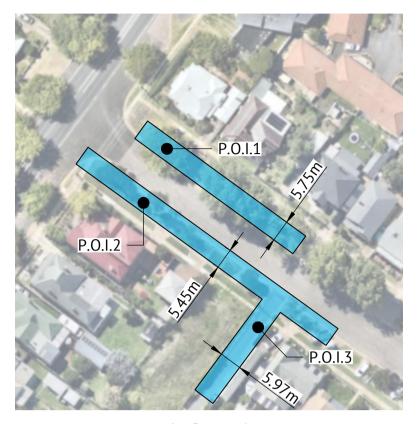


REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	\sim
					(1)			
								\sim

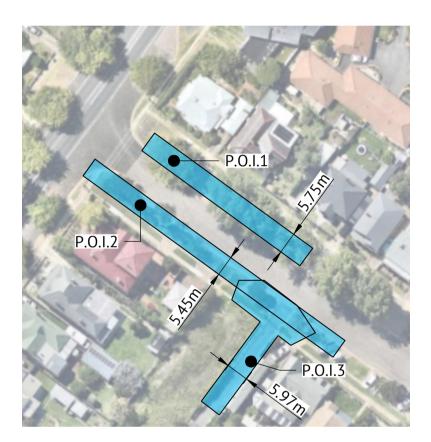
	NORTH					APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL
ORAN PARK OFFICE SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570	SCALE	0	SCALE 1:	150 (A1)	9m	GOULBURN PROJECTS
Premise contact: 1300 017 736 www.premise.com.au		0	3 SCALE 1: ORIGINAL SH	. ,	9m	PROJECT TOWN HOUSE DEVELOPMENT - 26 LITH STREET, GOULBURN, NSW 2580

——650.0—— ——650.0——

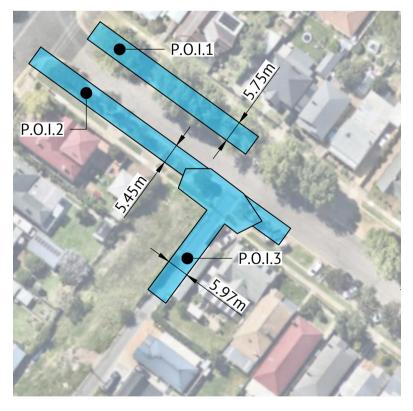
EXTERNAL CATCHMENT FLOW DIRECTION EXISTING CONTOUR MAJOR (0.50m INTERVAL) EXISTING CONTOUR MINOR (0.10m INTERVAL)



INSET A SCALE 1:1000



INSET B SCALE 1:1000



INSET C SCALE 1:1000

640

Time of Intensity

Tc (min) (mm/hr)

130 3.22

Reach Concentration I

11.3

Coeff of

Runoff

C

0.85

POINT OF

INTEREST

POI 1

	L	THE	RAT	0	
		64	20	VA	Alto F
		JA:		15	
			1-5-A		649.0
RVAL)			24	650.0	
RVAL)	A C		0.059	in the second se	Jo Ka
	649.0	U.S.	Hay		23
		651.0		XC	
		0.0	Z 59		
		3	20 A		A A
			653.0		S A
		O'YS9			
	J.A.	E	H-1 Col	1.Sp	2
	0.559	No.	() all		A S
		A C		S P	
	R	X			
	A Starter	10	A CONTRACTOR	656.0	657
	6		0.0		
		6	655.0		
	GOLD		TREET		
	.05	MITH	655.01	A ASI	
	200		TREET	6250	
	15	5			653
	6540 EATHER	E.			
	651.0	ST.	650.0		X.
	AN AN AN			200	
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	X		1/5		
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	0.00	0:150			8
	0.659		0.000	653.0	
			No.	50	
Area	Q ₁₀₀	Road Slope	Roughness	Flow Width	Flow Depth
A (ha)	l/s	%	11	(m)	(m)
3.22	990	1.5	0.012	5.75	0.199

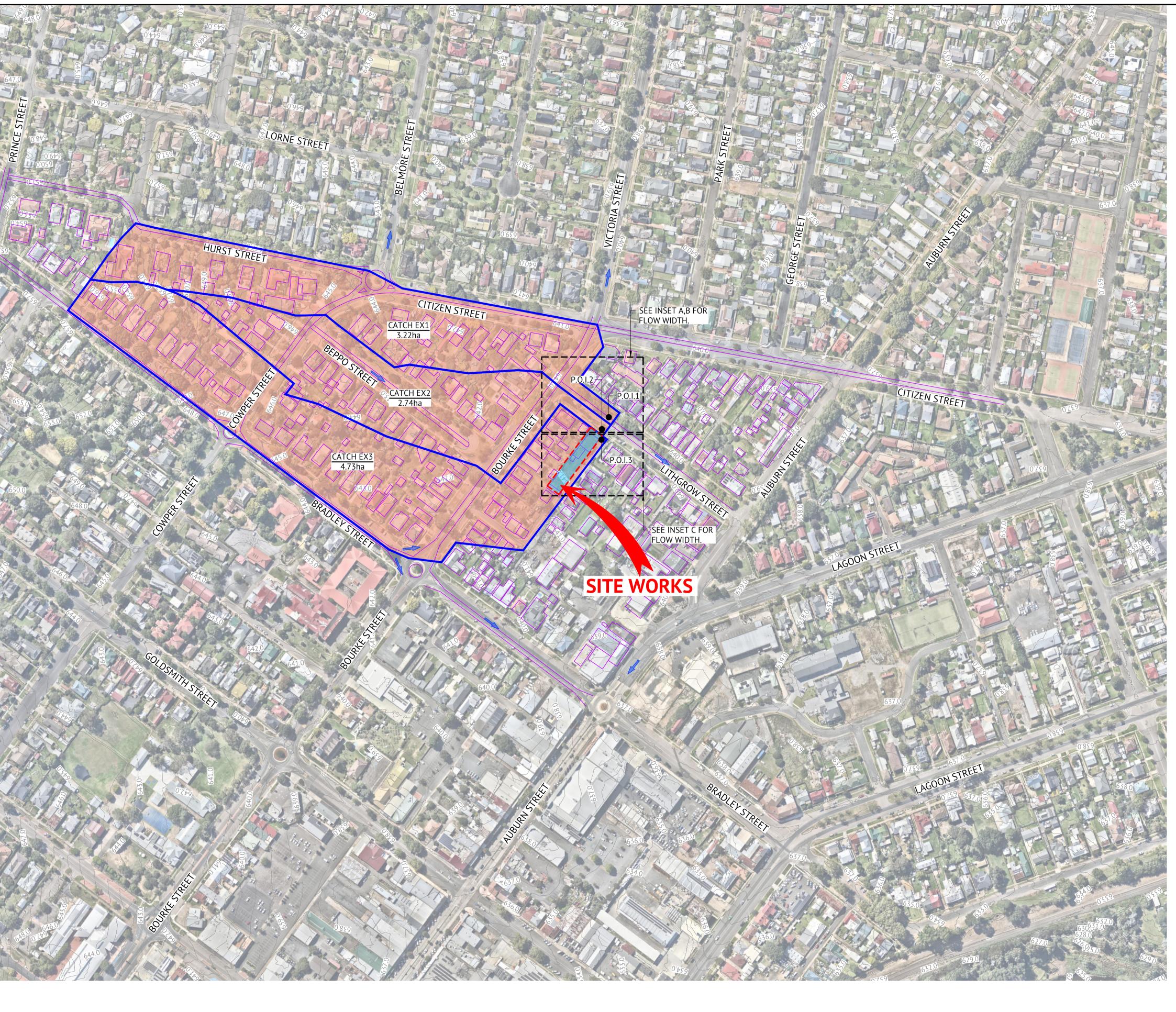
															1
	POI 2	0	.85	590	10.9	133	2.74	861	1.5	0.012	5.45	0.190			
	POI 3	0	.85	720	12.0	126	4.73	1408	2.5	0.012	5.97	0.206			
													-		
REV.	DATE	DFTD.	APPD.		N	OTATION / AN	IENDMENT						FILE / REFERENCE	INITIALS	DAT
А	07/11/24	BNB	MZ	ISSUED FC	R APPROVAL						SURVEY	ΈD -		-	-
											DESIGN	ED TUNG P	НАМ	TP	07/1:
											CHECKE	D MICHAZ	ZESCHKE	MZ	07/12
											PROJEC	T MANAGER	MICHA ZESCHKE	MZ	07/12
											ENGINE	ERING CERT	TIFICATION	MZ	07/12
											місна	7ESCHEKE	110th		

1.5

990

0.012 5.75 0.199

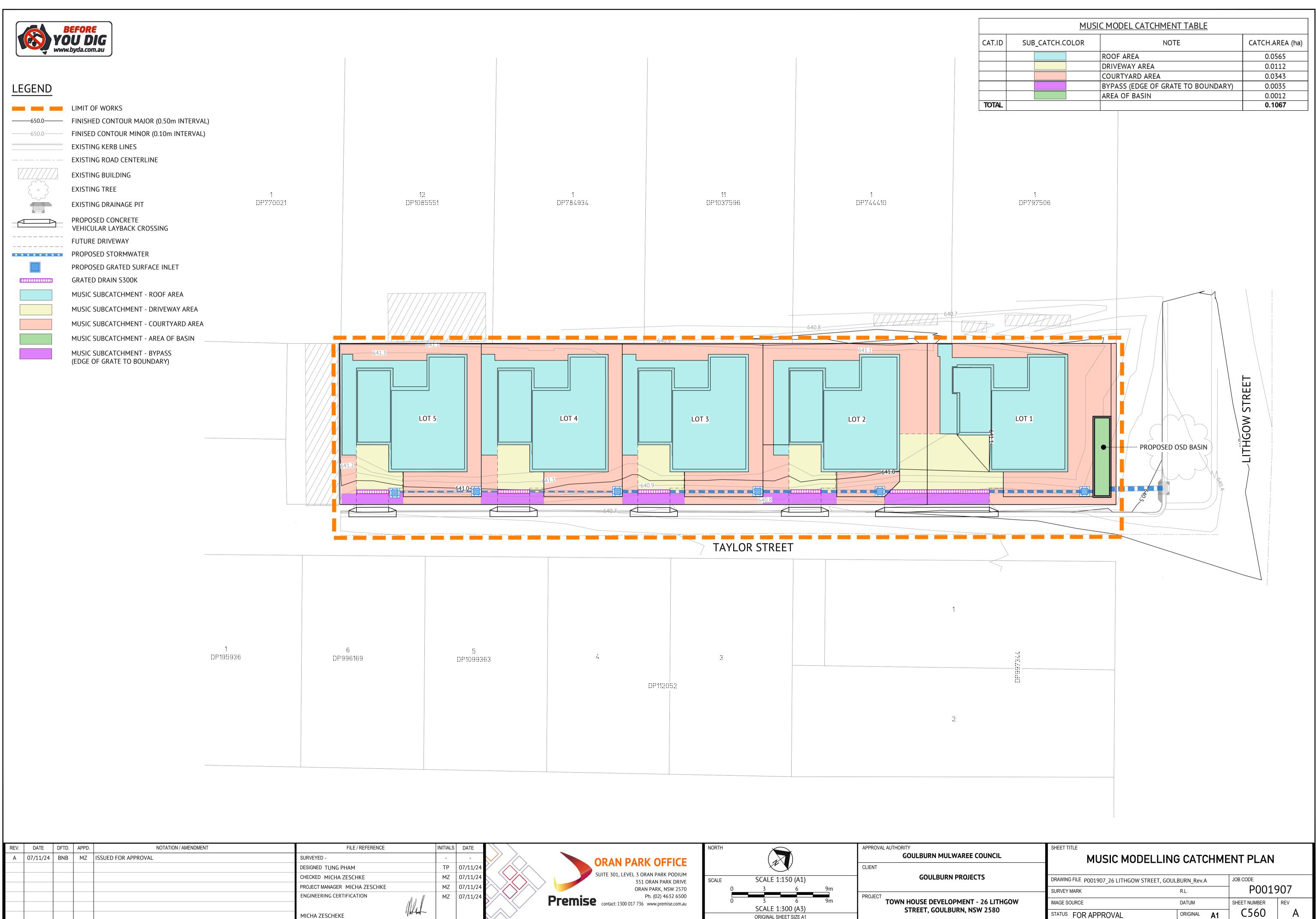
MICHA ZESCHEKE



ORAN PARK OFFICE	NORTH				APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL
SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570	SCALE		2000 (A1) 80	120m	GOULBURN PROJECTS
Ph. (02) 4632 6500 contact: 1300 017 736 www.premise.com.au	0	40 SCALE 1:	80 4000 (A3) HEET SIZE A1	120m	PROJECT TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580

	SHEET TITLE EXTERNAL	CATCHMENT	PLAN			
	DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A JOB CODE					
	SURVEY MARK	R.L.	P0019	907		
IGOW	IMAGE SOURCE	DATUM	SHEET NUMBER	REV		
	STATUS FOR APPROVAL	ORIGINAL A1	C555	A		





REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -		-	
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	
					$(\eta)_{\mu}$			
								\sim

	NORTH					APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL
SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570	SCALE	0	SCALE 1:	150 (A1) 6	9m	GOULBURN PROJECTS
Premise contact: 1300 017 736 www.premise.com.au		0	3 SCALE 1:	· · ·	9m	PROJECT TOWN HOUSE DEVELOPMENT - 26 LITH STREET, GOULBURN, NSW 2580
			ORIGINAL SH	IEET SIZE AT		



640.0
640.1
649.5
049.5
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S
— — — NBN — — — — — NBN — — —
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_//
SMH 🍘
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VC
S

oSMH

o^{M.S.}

O)

LIMIT OF WORKS EXISTING CONTOUR MAJOR (0.5m INTERVAL) EXISTING CONTOUR MINOR (0.1m INTERVAL) DESIGN CONTOUR MAJOR (0.50m INTERVAL) 1 12 DP770021 DP1085551 DESIGN CONTOUR MINOR (0.10m INTERVAL) EXISTING ELECTRICITY EXISTING SEWER EXISTING UNDERGROUND NBN CABLE EXISTING GAS EXISTING KERB & GUTTER EXISTING ROAD CENTRELINE EXISTING FENCE EXISTING SEWER MAINTENANCE HOLE ____ 1 EXISTING NBN PIT DP770021 EXISTING LIGHT POLE EXISTING DISH DRAIN LOT 5 EXISTING TREE PROPOSED CONCRETE 1 VEHICULAR LAYBACK CROSSING DP797506 🗖 FUTURE DRIVEWAY Un. PROPOSED SEWER MAIN 1 DP562537 PROPOSED SEWER MAINTENANCE HOLE PROPOSED SEWER MAINTENANCE SHAFT 1-B

PROPOSED BLOCK RETAINING WALL

SEWER JUNCTION KEY

CONSTRUCT SLOPE JUNCTION

CONSTRUCT JUNCTION OFF DEAD END

1 DP195936

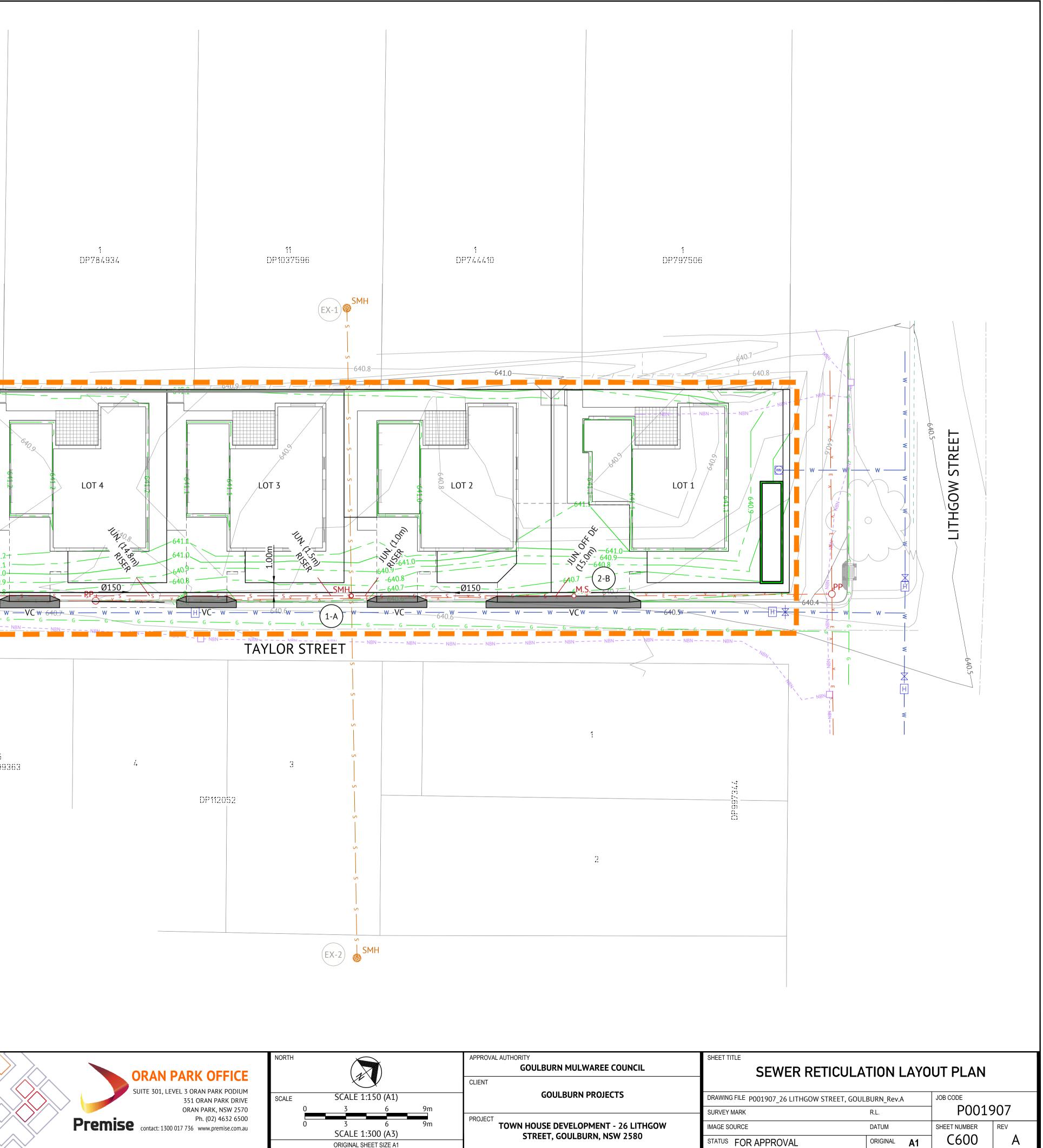
6 DP996169

_____ w _____ w _____ w ____ w ____ w ____ w ____ w

5 DP1099363

MS \

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
Α	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	
					(1)			
					MICHA ZESCHEKE			



ORAN PARK OFFICE	NORTH					APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL
SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570	SCALE 0)	SCALE 1:	▼ 150 (A1) 6	9m	GOULBURN PROJECTS
Ph. (02) 4632 6500 Premise contact: 1300 017 736 www.premise.com.au	0		3 SCALE 1: ORIGINAL SH	. ,	9m	PROJECT TOWN HOUSE DEVELOPMENT - 26 LITH STREET, GOULBURN, NSW 2580

IL. 693.009	5.009
SEWER LINE 1 (150mm Ø uPVC SN8)	- SEWER LINE 2 (150mm Ø uPVC SN8)
EXISTIN	NG SEWER
MANHOLE 1-A NOT TO SCALE	

- EXISTING SEWER

IL. 693.009

EQUIVALENT TENEMENTS

GRADE %

PIPE DIAMETER (mm) AND TYPE

LINEAL DISTANCE

DATUM R.L.

DEPTH FROM LID TO INVERT

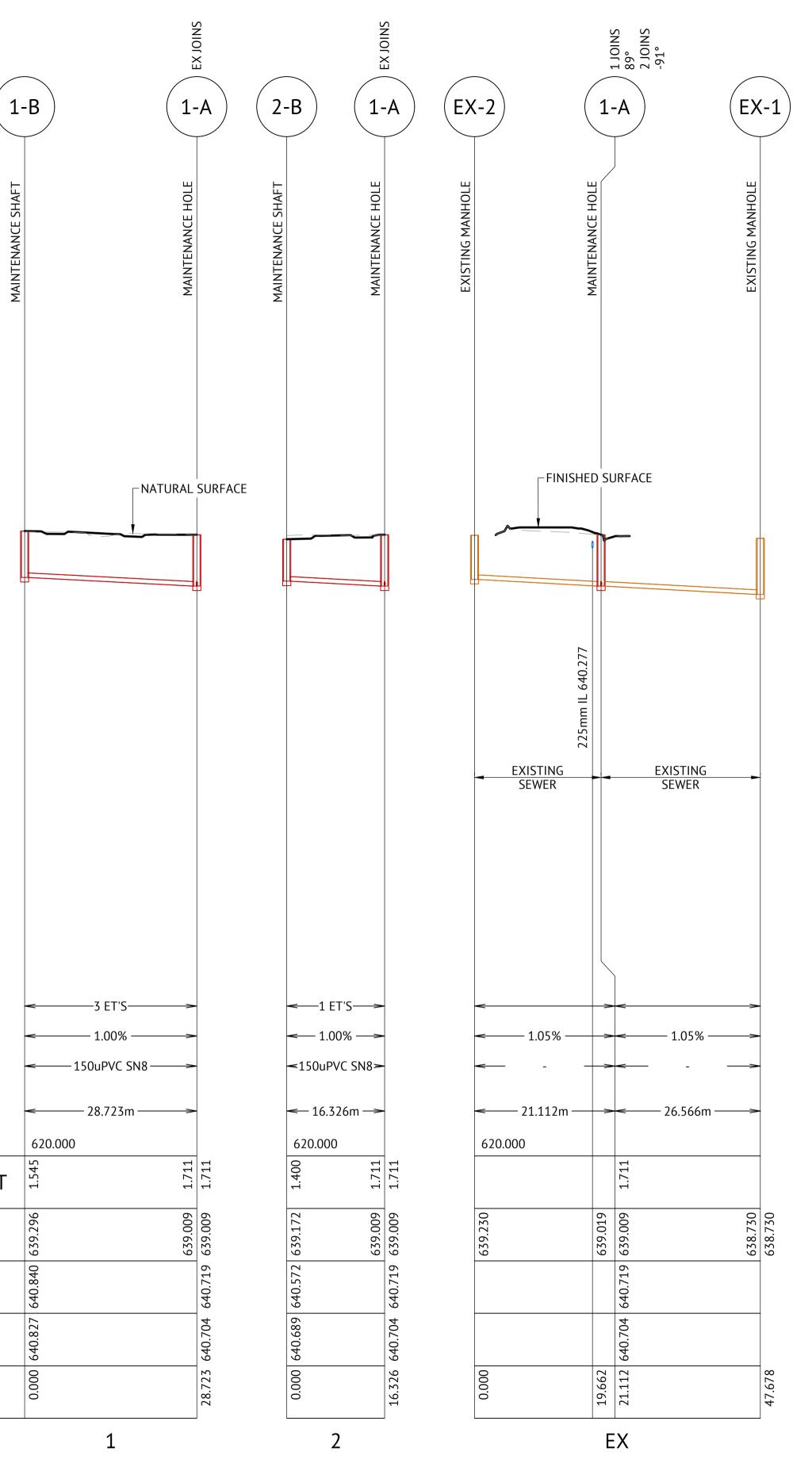
INVERT LEVEL

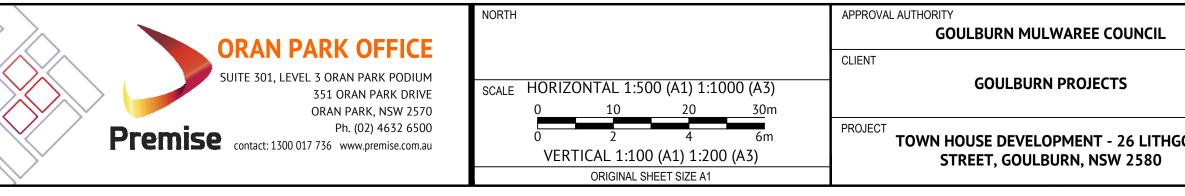
FINISHED LID LEVEL

EXISTING SURFACE LEVEL

CHAINAGE

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	
					МІСНА ZESCHEKE			\searrow





	SHEET TITLE SEWER PIPE LO	NGITUDINAL	SECTIONS				
	DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A JOB CODE						
	SURVEY MARK	R.L.] P0019	907			
HGOW	IMAGE SOURCE	DATUM	SHEET NUMBER	REV			
	STATUS FOR APPROVAL	ORIGINAL A1	C605	A			



LIMIT OF WORKS ------640.1 ----------649.5-----— — — NRN — — — — NRN — -_____ G _____ G _____ SMH 🍘 ъPР

VC

EXISTING CONTOUR MAJOR (0.5m INTERVAL) EXISTING CONTOUR MINOR (0.1m INTERVAL) DESIGN CONTOUR MAJOR (0.50m INTERVAL) 1 12 DP770021 DP1085551 DESIGN CONTOUR MINOR (0.10m INTERVAL) EXISTING ELECTRICITY EXISTING SEWER EXISTING UNDERGROUND NBN CABLE EXISTING GAS EXISTING WATER EXISTING KERB & GUTTER EXISTING ROAD CENTRELINE EXISTING FENCE EXISTING SEWER _ _ _ 1 MAINTENANCE HOLE DP770021 EXISTING NBN PIT EXISTING LIGHT POLE EXISTING DISH DRAIN LOT 5 EXISTING BUILDING DP797506 EXISTING TREE PROPOSED CONCRETE VEHICULAR LAYBACK CROSSING 1 DP562537 FUTURE DRIVEWAY 641.1 ____ _____ PROPOSED BLOCK RETAINING WALL -640.9-----

> 1 DP195936

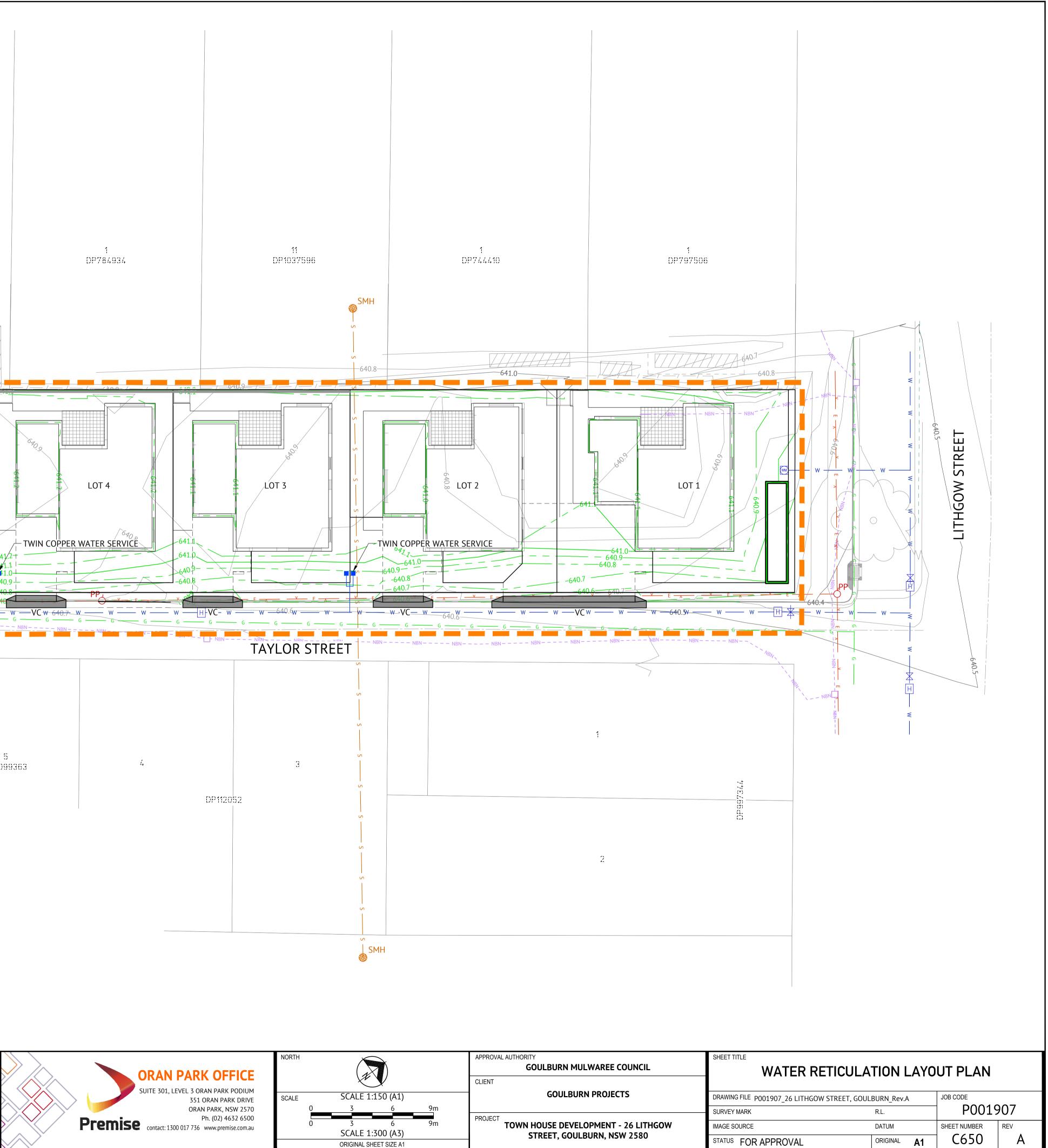
6 DP996169

_____ w _____ w ____ w ____ w ____ w ____ w ____ w ____ w

V_____

5 DP1099363

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	
А	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-	
					DESIGNED TUNG PHAM	TP	07/11/24	
					CHECKED MICHA ZESCHKE	MZ	07/11/24	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24	
					ENGINEERING CERTIFICATION	MZ	07/11/24	
								ľ
					MICHA ZESCHEKE			11



ORAN PARK OFFICE	NORTH	APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL
SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570	SCALE SCALE 1:150 (A1) O 3 6 9m	GOULBURN PROJECTS
Ph. (02) 4632 6500 Premise contact: 1300 017 736 www.premise.com.au	O 3 6 9m F SCALE 1:300 (A3) ORIGINAL SHEET SIZE A1 F	TOWN HOUSE DEVELOPMENT - 26 LITH STREET, GOULBURN, NSW 2580