INDUSTRIAL UNITS
LOTS 4, 5, 6 & 7 DP1116874
WILKINS CRESCENT, MUDGEE NSW 2850
CIVIL DRAWINGS

DRAWINGS LIST

LOCATION PLAN
SCALE 1:1000 AT A1

10.0m 0.0 20.0 40.0 60.0 80.0 100.0m
SCALE 1:1000 AT A1 SHEET | 1:2000 AT A3 SHEET

AMENDMENTS	DATE	ISSUE	BY
ISSUED FOR CONSTRUCTION	26.02.21	1	J.D.
ISSUED FOR CONSTRUCTION	10.02.221	0	J.D.
ISSUED FOR APPROVAL	26-08-2020	A	Ra.S

FOR CONSTRUCTION

ARCHITECT
GISELLE DENLY DRAFTING
53 HILL SIXTY DRIVE
MUDGEE NSW 2850

CLIENT
SWORDS GROUP
UNIT 5/13 SYDNEY ROAD
MUDGEE NSW 2850

PROJECT
PROPOSED INDUSTRIAL UNITS
LOTS 4-7 WILKINS CRESCENT
MUDGEE NSW 2850

DESIGNED	DRAWN	DATE	SIZE	CAD REF
--	--	FEB 21	AS NOTED	TX14938.00 - C01

TRIAXIAL CONSULTING
COMPLEX PROBLEMS RESOLVED SIMPLY

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LEVEL 2, 1 KING WILLIAM ROAD, UNLEY SA 5061
PO BOX 474, TANUNDA SA 5352

ADELAIDE | BAROSSA | DARWIN | MUDGEE | PARRAMATTA | SYDNEY

DRAWING TITLE
COVER SHEET

PROJECT No.	DRAWING No.	ISSUE
TX14938.00 -	C1.00	1

GENERAL NOTES

GENERAL

CG1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

CG2 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.

CG3 ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

CG4 UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.

CG5 ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACCEPTABLE SAFETY STANDARDS & APPROPRIATE SAFETY SIGNS SHALL BE INSTALLED AT ALL TIMES DURING THE PROGRESS OF THE JOB.

SURVEY

SU1 THE EXISTING SITE CONDITIONS SHOWN ON THE DRAWINGS HAVE BEEN INVESTIGATED BY OTHERS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN.

SU2 THE FOLLOWING ENGINEERING SURVEY SHALL NOT BE TAKEN AS A CADASTRAL OR BOUNDARY IDENTIFICATION SURVEY. BOUNDARY DATA SHALL BE TAKEN AS A GUIDE ONLY UNLESS NOTED OTHERWISE.

SU3 SHOULD DISCREPANCIES BE FOUND BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA THE CONTRACTOR SHALL NOTIFY TRIAXIAL CONSULTING PRIOR TO COMMENCEMENT OF THE WORKS. THE CONTRACTOR SHALL ACCEPT ALL RESPONSIBILITY FOR ERRORS MADE DURING CONSTRUCTION WHERE SURVEY DISCREPANCIES WERE NOT RELAYED AND RESOLVED BY TRIAXIAL CONSULTING PRIOR TO COMMENCEMENT OF THE WORKS.

EXCAVATION

EX1 REFER TO REPORT ON GEOTECHNICAL STABILITY ASSESSMENT FOR INFORMATION PERTAINING TO EXISTING SITE STABILITY, EXCAVATION AND GEOTECHNICAL ISSUES.

EX2 ALL SITE EXCAVATION TO BE PERFORMED IN ACCORDANCE WITH ITEMS NOTED IN THE ABOVE LISTED REPORT.

EX3 THE EARTHWORKS CONTRACTOR IS TO CONTACT OR MEET WITH THE GEOTECHNICAL ENGINEER PRIOR TO COMMENCEMENT OF ANY EXCAVATION TO DETERMINE APPROPRIATE TECHNIQUES AND HOLD POINTS.

EX4 TEMPORARY BATTER CUT TO ROCK TO BE FORMED AT NO STEEPER THAN 1 V : 1 H. PERMANENT BATTER TO BE CONFIRMED ON SITE IN CONSULTATION WITH THE GEOTECHNICAL ENGINEER.

EXISTING UNDERGROUND SERVICES

EU1 THE EXISTING UNDERGROUND SERVICES INDICATED ON THESE DRAWINGS HAVE BEEN OBTAINED FROM SURVEY AND SERVICE AUTHORITY INFORMATION. THE SERVICES INFORMATION SHOWN ARE THOSE OF KNOWN SERVICES ONLY. THE LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND MAY NOT BE 'AS CONSTRUCTED' OR ACCURATE. THE PRESENCE OR ABSENCE OF SERVICES SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

EU2 THE CONTRACTOR SHALL TAKE ALL DUE CARE WHEN EXCAVATING ON SITE INCLUDING HAND EXCAVATION WHERE NECESSARY.

EU3 THE CONTRACTOR SHALL CONTACT ALL RELEVANT SERVICE AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS.

EU4 THE CONTRACTOR SHALL UNDERTAKE A THOROUGH SERVICES SEARCH PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS. THE RESULTS OF SERVICES SEARCHES SHALL BE RECORDED AND KEPT ON SITE AT ALL TIMES.

EU5 THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING POTHOLING TO ESTABLISH AND CONFIRM LOCATIONS AND DEPTHS OF EXISTING UNDERGROUIND SERVICES/UTILITIES PRIOR TO COMMENCEMENT OF WORK ON SITE.

SITE PREPARATION

SP1 REFER TO GEOTECHNICAL REPORT FOR EXISTING SOIL CONDITIONS.

SP2 ALL ORGANIC & DELETERIOUS MATERIAL TO BE COMPLETELY CLEARED FROM SITE WORKS AREA.

SP3 PRIOR TO THE COMMENCEMENT OF ANY CIVIL OR STRUCTURAL CONSTRUCTION THE ENTIRE SITE AREA IS TO BE COMPACTED AND TESTED IN ACCORDANCE WITH AS1289.5.1.1 OR .5.1.2 - 1993 TO PRODUCE THE FOLLOWING: -98.0% STANDARD COMPACTION AT THE SURFACE AND AT 200MM BELOW SURFACE LEVEL. FREQUENCY OF FIELD DENSITY TESTS SHALL BE CARRIED OUT IN ACCORDANCE WITH AS3798 - 2007 TABLE 8.1 TESTING SHALL BE EVENLY SPACED OVER THE ENTIRE SITE, AND AT RANDOM LOCATIONS. TEST RESULTS SHALL BE FORWARDED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORKS.

SP4 PROOF ROLL EXPOSED SUBGRADE PRIOR TO COMMENCEMENT OF CIVIL AND STRUCTURAL CONSTRUCTION. CONDUCTED UNDER GEOTECHNICAL SUPERVISION.

SP5 BOX OUT ANY SOFT AREAS AND FILL AND COMPACT WITH IMPORTED FILL.

SP6 PLACE IMPORTED FILL IN MAXIMUM 200 LOOSE LAYERS & COMPACT TO 98%STD >1M BELOW B.E.L.) AND 100%STD (<1m BELOW B.E.L.) AND TO WITHIN +/-2% OF OMC.

SP7 IMPORTED FILL IS TO BE CRUSHED SANDSTONE OR RIPPED SHALE, WITH A MINIMUM CBR OF 30%, PI 8% AND A MAX PARTICLE SIZE OF 75mm.

SITEWORKS

SW1 THE CONTRACTOR SHALL VERIFY ALL LEVELS AND DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORKS. ANY DISCREPANCIES SHALL BE REPORTED TO TRIAXIAL CONSULTING FOR FURTHER INSTRUCTION.

SW2 ALL CONNECTIONS WITH EXISTING WORKS SHALL BE MADE SMOOTH.

SW3 ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO ACHIEVE A DENSITY EQUIVALENT TO THE ADJACENT MATERIAL.

SW4 ALL SERVICE TRENCHES SHALL BE BACKFILLED WITH SAND TO A LEVEL 300mm ABOVE THE PIPE. WHERE SERVICE TRENCHES ARE CONSTRUCTED UNDER VEHICULAR PAVEMENTS, BACKFILL THE REMAINDER OF THE TRENCH (TO UNDERSIDE OF PAVEMENT) WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN LAYERS NOT EXCEEDING 150mm DEPTH. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 (CURRENT EDITION) OR A DENSITY INDEX OF NOT LESS THAN 75.

SW5 PROVIDE A 10mm WIDE EXPANSION JOINT BETWEEN ALL BUILDINGS AND CONCRETE OR UNIT PAVEMENTS.

SW6 ALL BASE-COURSE MATERIAL SHALL BE MINIMUM 95% MODIFIED DRY DENSITY (UNO) IN ACCORDANCE WITH AS 1289 5.2.1 (CURRENT EDITION).

SEDIMENT AND EROSION CONTROL

SE1 CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION" (2004) (THE BLUE BOOK).

SE2 DISTURBANCE SHALL BE KEPT TO A MINIMUM AND WITHIN THE LIMITS OF THE CONSTRUCTION SITE.

SE3 ADDITIONAL CONTROLS SHALL BE INSTALLED AS REQUIRED AND IN ACCORDANCE WITH "THE BLUE BOOK".

SE4 ALL INSTALLED CONTROLS SHALL BE INSPECTED AT LEAST WEEKLY AND IMMEDIATELY FOLLOWING A RAIN EVENT. MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED.

SE5 COMPLETED AREAS SHALL BE PROGRESSIVELY VEGETATED.

SE6 CONTROL DEVICES, AS DETAILED, SHALL BE INSTALLED TO STORMWATER PITS IMMEDIATELY FOLLOWING THEIR CONSTRUCTION.

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STORMWATER DRAINAGE

SD1 PIPES UP TO 300mm DIAMETER SHALL BE SEWER GRADE UPVC WITH SOLVENT WELDED JOINTS.

SD2 ALL "INTERNAL WORKS" WITHIN PROPERTY BOUNDARIES SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 3500.3 (CURRENT EDITION).

SD3 ALL STORMWATER PIPES SHALL BE PROVIDED WITH MINIMUM PIPE COVER TO COMPLY WITH THE REQUIREMENTS OF AS/NZS 3500.3 (CURRENT EDITION).

SD4 INSTALLATION OF ALL BURIED CONCRETE STORMWATER PIPES SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 3725 (CURRENT EDITION) *DESIGN FOR INSTALLATION OF BURIED CONCRETE PIPES*.

SD5 ENLARGERS, CONNECTORS AND JUNCTIONS SHALL BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300mm DIAMETER.

SD6 ALL STORMWATER DRAINAGE LINES SHALL HAVE A MINIMUM FALL OF 1% UNLESS NOTED OTHERWISE ON THE DRAWINGS. CARE SHALL BE TAKEN WITH SETTING LEVELS OF STORMWATER DRAINAGE LINES. GRADES SHOWN ON THE DRAWINGS SHALL NOT BE REDUCED WITHOUT THE WRITTEN CONSENT OF TRIAXIAL CONSULTING.

SD7 GRATES AND COVERS SHALL COMPLY WITH THE REQUIREMENTS OF AS 3996 (CURRENT EDITION).

SD8 AT ALL TIMES DURING THE CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE DOCUMENTED AND EXECUTED TO MITIGATE THE RISK OF PERSONAL INJURY AS A RESULT OF FALLS INTO PITS.

SD9 ALL EXISTING STORMWATER LOCATIONS, INCLUDING INVERTS, TO BE CONFIRMED BY THE BUILDER/CONTRACTOR PRIOR TO THE COMMENCEMENT OF CIVIL WORKS ON SITE.

SD10 ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN SHALL BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDANT/ENGINEER FOR FURTHER DIRECTIONS.

CONCRETE

C1 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

C2 READYMIX CONCRETE SUPPLY SHALL COMPLY WITH AS1379.

C3 CONCRETE QUALITY ALL THE REQUIREMENTS OF THE ACSE SPECIFICATION DOCUMENT 1 (EDITION 6) SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	STRENGTH GRADE (MPa)	SLUMP AGG SIZE	MAX. TYPE	CEMENT
(REFER TO PLANS)	-	-	-	

C4 PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE AS1379.

C5 NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.

C6 CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE AS FOLLOWS UNLESS SHOWN OTHERWISE.

EXPOSURE CLASS, TO AS3600:	CONCRETE GRADE: GROUND:	CAST AGAINST EXPOSED:	CAST IN FORMS & EXPOSED:	CAST IN FORMS NOT EXPOSED:
A1 & A2	25 50mm	30mm	20mm(A1)	
B1	32 60mm	40mm	-	
B2	40 65mm	45mm	-	

COVER REQUIREMENTS MAY NEED TO BE INCREASED TO IT FIRE RATING. EXPOSURE CLASSIFICATION SHALL BE AS INDICATED ON THE DRAWING.

DURABILITY REQUIREMENTS FOR CONCRETE.

EXPOSURE CLASS, TO AS3600:	MINIMUM CEMENT CONTENT:	MAXIMUM W/C RATIO:
A1 & A2	-	0.56
B1	320	0.56
B2	390	0.46
C	450	0.40

C7 ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT 1m CENTRES MAXIMUM BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS. USE PLASTIC CHAIRS IN EXPOSURE CONDITION GREATER THAN B1.

C8 CONCRETE SIZES DO NOT INCLUDE THICKNESSES OF APPLIED FINISHES.

C9 DEPTHS OF BEAMS ARE GIVEN FIRST AND INCLUDE SLAB THICKNESS.

C10 REFER TO ARCHITECT'S DETAILS, FOR CHAMFERS, DRIP GROOVES, REGLETS, ETC., MAINTAIN COVER TO REINFORCEMENT AT THESE DETAILS.

C11 NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

C12 CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER.

C13 ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.

C14 USE ALIPHATIC ALCOHOLS SPRAYED OVER THE SURFACE PRIOR TO AND AFTER FINISHING TO REDUCE RATE OF EVAPORATION FROM THE SURFACE AND HELP CONTROL PLASTIC SHRINKAGE CRACKING. NOTE THAT THE USE OF ALIPHATIC ALCOHOLS IS NOT A SUBSTITUTE FOR CURING.

C15 COMMENCE CURING OPERATIONS PROMPTLY AFTER SURFACE FINISHING IS COMPLETE. CURING COMPOUNDS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND ARE TO BE CHECKED FOR COMPATIBILITY WITH PROPOSED FLOOR FINISHES. SOME COMPOUNDS MAY REQUIRE REMOVAL FOR GLUED DOWN FLOOR COVERINGS OR WET CURING AS DESCRIBED BELOW.

CONCRETE IS TO BE CURED BY KEEPING THE SURFACES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS, AND PREVENTING THE LOSS OF MOISTURE FOR A FURTHER 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT.

CONCRETE (CONTINUED)

C16 PROPPING WHICH SUPPORTS CONSTRUCTION OVER IS TO BE LEFT IN PLACE AS REQUIRED TO AVOID OVER STRESSING THE STRUCTURE DUE TO CONSTRUCTION LOADING.

C17 THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTIONS AND CONCRETE SHALL NOT BE DELIVERED UNTIL ENGINEERS APPROVAL IS OBTAINED.

C18 CONDUITS, PIPES ETC. SHALL ONLY BE LOCATED IN THE MIDDLE ONE THIRD OF SLAB DEPTH AND SPACED AT NOT LESS THAN 3 DIAMETERS OF THE CONDUIT, PIPES ETC. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE COVER TO REINFORCEMENT.

C19 REINFORCEMENT SYMBOLS:
N DENOTES DEFORMED GRADE 500 NORMAL DUCTILITY CLASS BARS TO AS4671.
R DENOTES PLAIN ROUND GRADE 250 NORMAL DUCTILITY CLASS BARS TO AS4671.
RL DENOTES RECTANGULAR MESH GRADE 500 LOW DUCTILITY CLASS TO AS4671.
SL DENOTES SQUARE MESH GRADE 500 LOW DUCTILITY CLASS TO AS4671.
TM DENOTES TRENCH MESH GRADE 500 LOW DUCTILITY CLASS TO AS4671.
THE MEMBER IMMEDIATELY FOLLOWING THE BAR GRADE SYMBOL REPRESENTS THE NOMINAL BAR DIAMETER IN MILLIMETERS. THE FIGURES FOLLOWING THE FABRIC SYMBOL SL & RL IS THE REFERENCE NUMBER FOR FABRIC TO AS4671.

C20 REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.

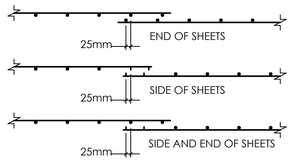
C21 SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER. LAPS SHALL BE IN ACCORDANCE WITH AS3600 AND NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR.

C22 WHERE TRANSVERSE TIE BARS ARE NOT SHOWN PROVIDE N12-400 SPLICED WHERE NECESSARY AND LAPPED 500mm WITH MAIN BARS.

C23 STANDARD LAP AND COG LENGTHS UNLESS NOTED OTHERWISE ON DRAWINGS:

BAR DIA.	MIN LAP LENGTH (mm)	MIN COG LENGTH (mm)
N12	500	180
N16	750	210
N20	1000	260
N24	1375	310
N28	1560	360
N32	1810	400

C24 MINIMUM MESH LAPS:



C25 A 0.2mm POLYETHYLENE MEMBRANE SHALL BE CONTINUOUS UNDER SLAB LAPPED 200mm MIN. WHERE REQUIRED AND TAPED AT ALL SERVICE PENETRATIONS, LAPS AND PUNCTURES. THE MEMBRANE IS TO EXTEND UNDER AND TO THE SIDES OF SLABS, BEAMS AND THICKENINGS

NOTE:
THIS IS A PLANNING DRAWING ONLY, FOR THE PURPOSE OF CONCEPTUAL DESIGN AND/OR PLANNING. FURTHER DETAILED ENGINEERING DESIGN INCLUDING SPECIFICATIONS, SIZING AND STORMWATER INVERTS TO BE PROVIDED PRIOR TO BUILDING RULES ASSESSMENT AND CONSTRUCTION.

2m 0 5 10 15 20m
SCALE 1:200 AT A1 SHEET | 1:400 AT A3 SHEET

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ISSUED FOR APPROVAL	26-08-2020	A	Ra.S
AMENDMENTS	DATE	ISSUE	BY

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ARCHITECT
GISELLE DENLY DRAFTING
53 HILL SIXTY DRIVE
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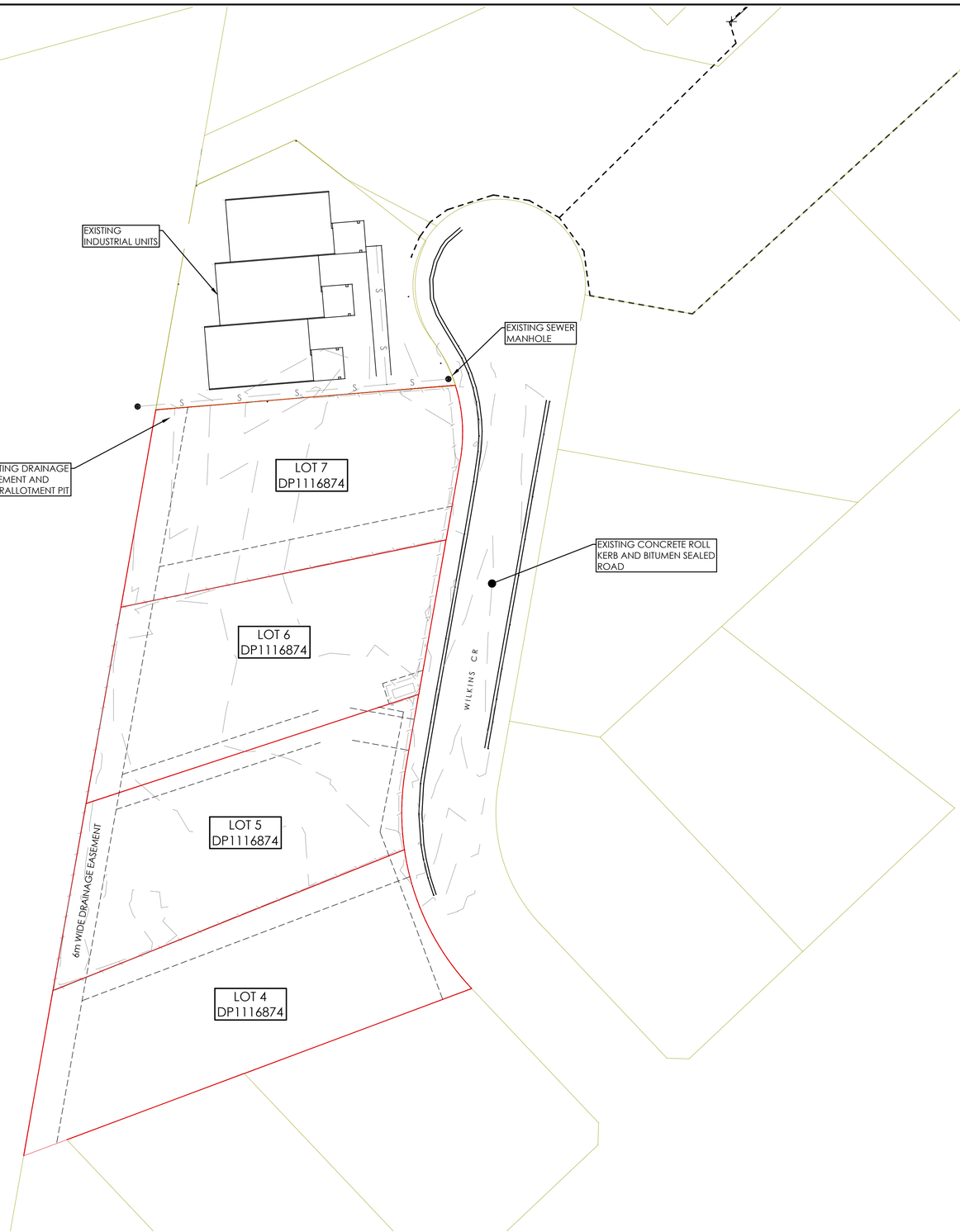
DRAWING TITLE
GENERAL NOTES

PROJECT No.	DRAWING No.	ISSUE
TX14938.00 -	C1.01	0



NOTE:

1. THIS IS AN ENGINEERING SURVEY PLAN AND SHALL NOT BE TAKEN AS A CADASTRAL OR IDENTIFICATION SURVEY. BOUNDARY DATA IF SHOWN, SHOULD BE TAKEN AS A GUIDE ONLY.
2. REFER TO THE CERTIFICATE OF TITLE FOR EASEMENT DETAILS (IF ANY).
3. NO UNDERGROUND SERVICES HAVE BEEN LOCATED.
4. TBM 100.00 - TO BE CONFIRMED

LEGEND - EXISTING

SYMBOL	DESCRIPTION
x 99.99	SPOT LEVEL
	CONTOUR MAJOR (Xm)
	CONTOUR MINOR (Xm)
	FENCE
	BOUNDARY
D	DRAINAGE LINE
S	SEWER LINE
W	WATER LINE
E	POWER U/G
OE	POWER O/H
T	TELSTRA LINE
GAS	GAS LINE
	ROAD CENTRELINE
	TREE

EXISTING SITE PLAN

SCALE 1:484 AT A1

4.8m 0.0 9.7 19.4 29.0 38.7 48.4m

SCALE 1:484 AT A1 SHEET | 1:968 AT A3 SHEET

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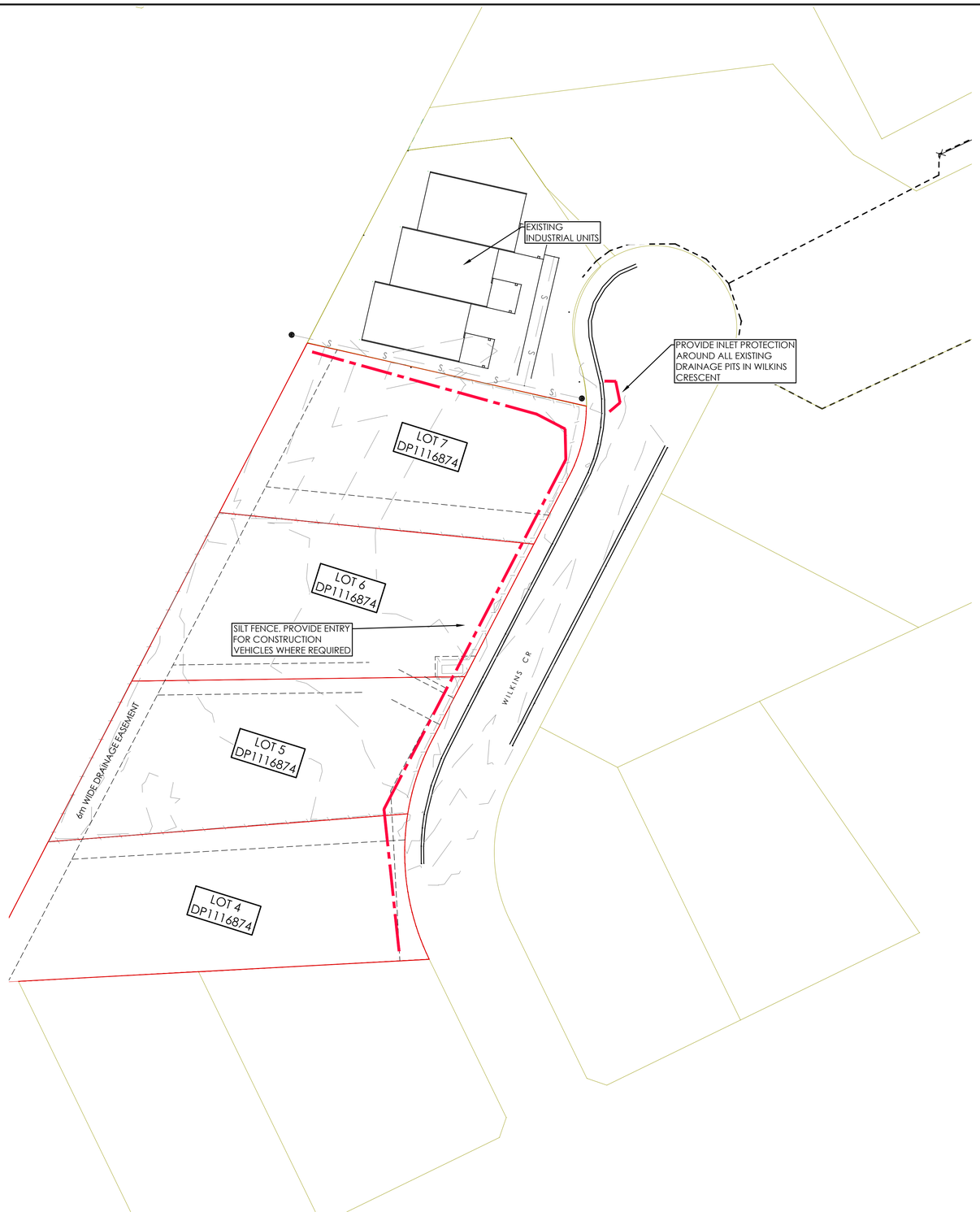
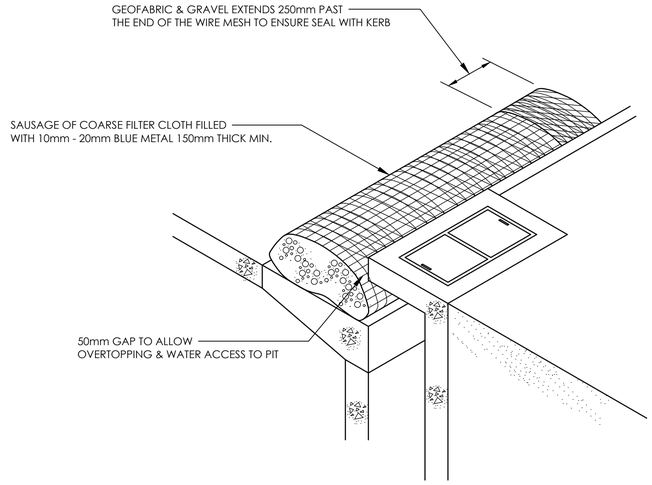
DRAWING TITLE
EXISTING SITE PLAN

PROJECT No.	DRAWING No.	ISSUE
TX14938.00 -	C2.00	0



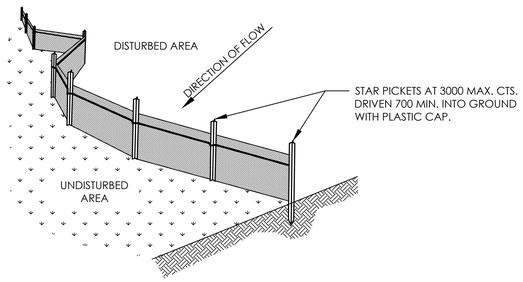
EXISTING SITE PLAN

SCALE 1:500 AT A1



KERB INLET CONTROL

NOT TO SCALE



SILT FENCE DETAIL

NOT TO SCALE

NOTE :
PROVIDE 1m RETURNS AT 30m INTERVALS. TYPICAL.

NOTES :
ALL EROSION & SEDIMENT CONTROL MEASURES TO BE IMPLEMENTED PRIOR TO COMMENCEMENT OF SITE WORKS.

ALL EROSION & SEDIMENT CONTROL MEASURES TO BE INSPECTED & MAINTAINED DAILY BY SITE MANAGER.

MINIMISE DISTURBED AREAS.

ROADS & FOOTPATHS TO BE SWEPT DAILY.
NO MUD OR DIRT ALLOWED ON FOOTPATH OR ROAD PAVEMENTS.

BATTERS TO BE STABILISED BY VEGETATING, TURFING OR OTHER APPROVED METHOD WITHIN 30 DAYS OF COMPLETION.

DUST MINIMISATION CONTROL BY WATERING TO BE IMPLEMENTED BY SITE MANAGER AS REQUIRED OR AS PER COUNCIL SPECIFICATIONS.

5.0m 0.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 AT A1 SHEET | 1:1000 AT A3 SHEET

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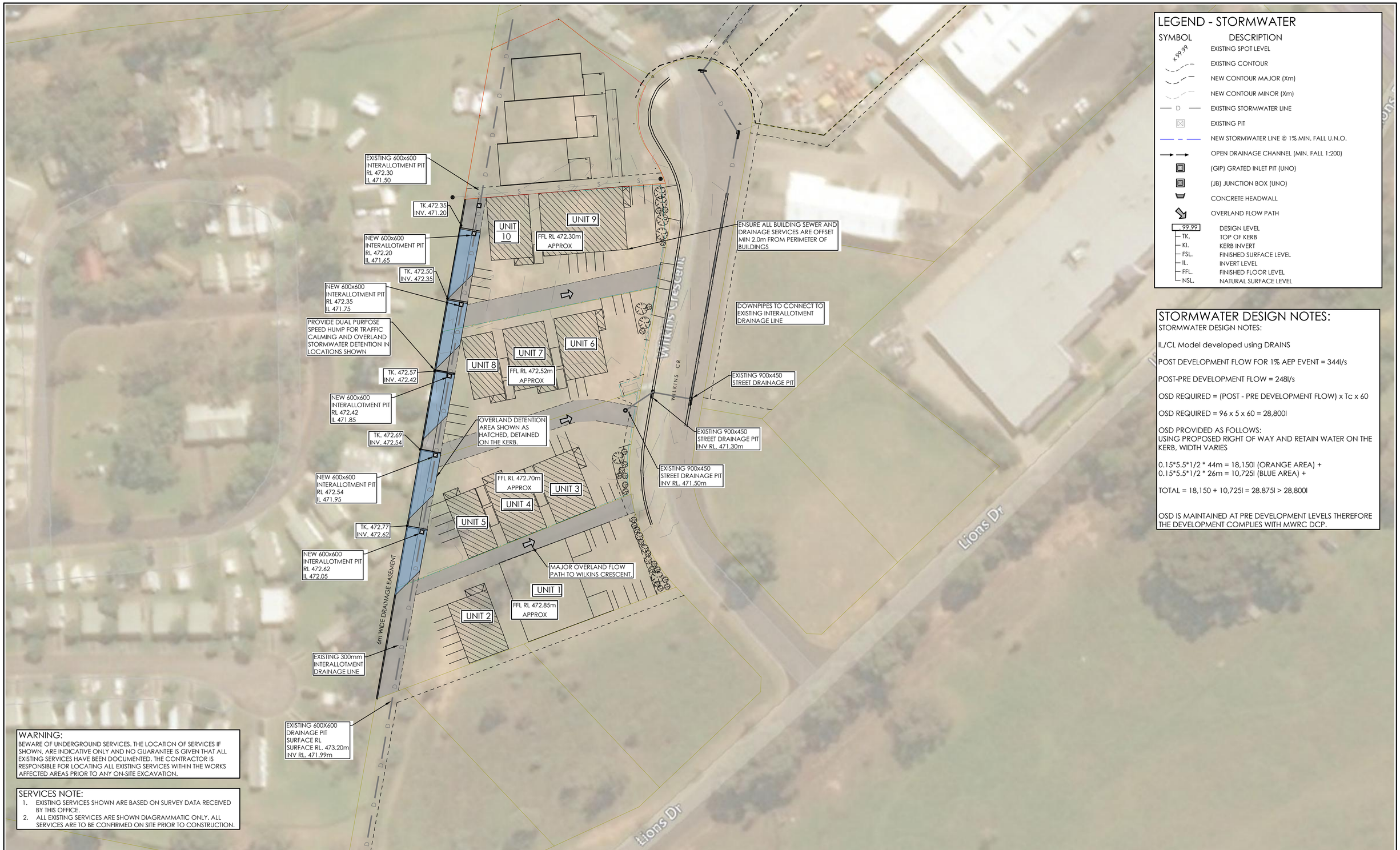
DRAWING TITLE
EROSION AND SED CONTROL

PROJECT No. TX14938.00 - DRAWING No. C2.01 ISSUE 0



LEGEND - STORMWATER

SYMBOL	DESCRIPTION
x 99.99	EXISTING SPOT LEVEL
	EXISTING CONTOUR
	NEW CONTOUR MAJOR (Xm)
	NEW CONTOUR MINOR (Xm)
D	EXISTING STORMWATER LINE
	EXISTING PIT
	NEW STORMWATER LINE @ 1% MIN. FALL U.N.O.
	OPEN DRAINAGE CHANNEL (MIN. FALL 1:200)
	(GIP) GRATED INLET PIT (UNO)
	(JB) JUNCTION BOX (UNO)
	CONCRETE HEADWALL
	OVERLAND FLOW PATH
99.99	DESIGN LEVEL
TK.	TOP OF KERB
KI.	KERB INVERT
FSL.	FINISHED SURFACE LEVEL
IL.	INVERT LEVEL
FFL.	FINISHED FLOOR LEVEL
NSL.	NATURAL SURFACE LEVEL

STORMWATER DESIGN NOTES:

STORMWATER DESIGN NOTES:

IL/CL Model developed using DRAINS

POST DEVELOPMENT FLOW FOR 1% AEP EVENT = 344l/s

POST-PRE DEVELOPMENT FLOW = 248l/s

OSD REQUIRED = (POST - PRE DEVELOPMENT FLOW) x Tc x 60

OSD REQUIRED = 96 x 5 x 60 = 28,800l

OSD PROVIDED AS FOLLOWS:
USING PROPOSED RIGHT OF WAY AND RETAIN WATER ON THE KERB, WIDTH VARIES

0.15*5.5*1/2 * 44m = 18,150l (ORANGE AREA) +
0.15*5.5*1/2 * 26m = 10,725l (BLUE AREA) +

TOTAL = 18,150 + 10,725l = 28.875l > 28,800l

OSD IS MAINTAINED AT PRE DEVELOPMENT LEVELS THEREFORE THE DEVELOPMENT COMPLIES WITH MWRC DCP.

WARNING:
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STORMWATER MANAGEMENT PLAN

SCALE 1:500 AT A1

5.0m 0.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 AT A1 SHEET | 1:1000 AT A3 SHEET

AMENDMENTS	DATE	ISSUE	BY
ISSUED FOR CONSTRUCTION	26.02.221	2	J.D.
ISSUED FOR CONSTRUCTION	25.02.221	1	J.D.
ISSUED FOR CONSTRUCTION	10.02.221	0	J.D.
ISSUED FOR APPROVAL	26-08-2020	A	Ra.S

FOR CONSTRUCTION

ARCHITECT
GISELLE DENLY DRAFTING
53 HILL SIXTY DRIVE
MUDGEE NSW 2850

CLIENT
SWORDS GROUP
UNIT 5/13 SYDNEY ROAD
MUDGEE NSW 2850

PROJECT
PROPOSED INDUSTRIAL UNITS
LOTS 4-7 WILKINS CRESCENT
MUDGEE NSW 2850

DESIGNED	DRAWN	DATE	SIZE	CAD REF
--	--	FEB 21	AS NOTED	TX14938.00 - C01

TRIAXIAL CONSULTING
COMPLEX PROBLEMS RESOLVED SIMPLY

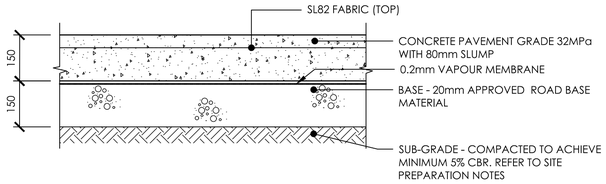
1300 874 294 | TRIAXIAL.COM.AU

LEVEL 2, 1 KING WILLIAM ROAD, UNLEY SA 5061
PO BOX 474, TANUNDA SA 5352

ADELAIDE | BAROSSA | DARWIN | MUDGEE | PARRAMATTA | SYDNEY

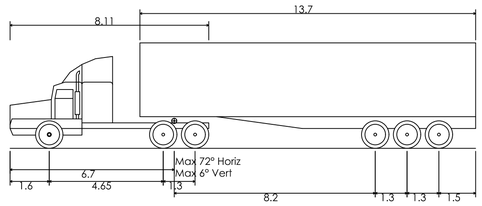
DRAWING TITLE
STORMWATER MANAGEMENT PLAN

PROJECT No. TX14938.00 - DRAWING No. C3.00 ISSUE 2



CONCRETE DRIVEWAY PAVEMENT

SCALE 1:10 (A1)



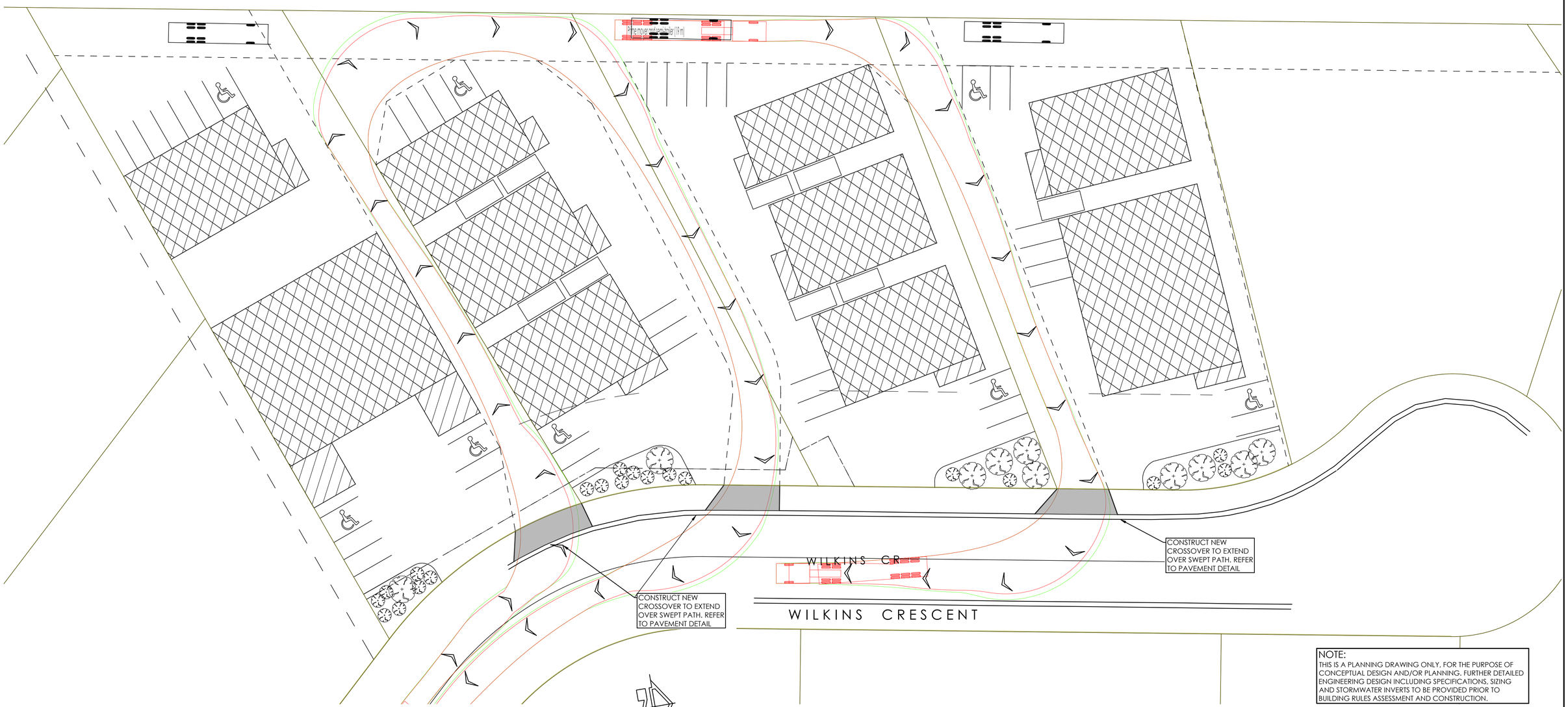
Prime mover and semi-trailer (19 m)

Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

SWEPT PATH ANALYSIS

- VEHICLE SWEPT PATH ANALYSIS UNDERTAKEN USING CIVIL3D2019 VEHICLE TRACKING MODULE.
- DESIGN SPEED = 5km/hr.
- VEHICLE/S USED IN SWEPT PATH ANALYSIS,
  - 19m SEMI AUSTROADS 2013.

SYMBOL	DESCRIPTION
	WHEEL PATH EXTENT (FORWARD)
	VEHICLE CHASSIS ENVELOPE (FORWARD)
	WHEEL PATH EXTENT (REVERSE)
	VEHICLE CHASSIS ENVELOPE (REVERSE)
	ARROW FORWARD DIRECTION
	ARROW REVERSE DIRECTION
	NEW DRIVEWAY CROSSOVER



SWEPT PATH PLAN

SCALE 1:250 AT A1

NOTE:
THIS IS A PLANNING DRAWING ONLY, FOR THE PURPOSE OF CONCEPTUAL DESIGN AND/OR PLANNING. FURTHER DETAILED ENGINEERING DESIGN INCLUDING SPECIFICATIONS, SIZING AND STORMWATER INVERTS TO BE PROVIDED PRIOR TO BUILDING RULES ASSESSMENT AND CONSTRUCTION.

2.5m 0.0 5.0 10.0 15.0 20.0 25.0m

SCALE 1:250 AT A1 SHEET | 1:500 AT A3 SHEET

AMENDMENTS	DATE	ISSUE	BY
ISSUED FOR CONSTRUCTION	10.02.221	0	J.D.
ISSUED FOR APPROVAL	26.08.20	B	JO.M.
ISSUED FOR APPROVAL	25.08.20	A	JO.M.

FOR CONSTRUCTION

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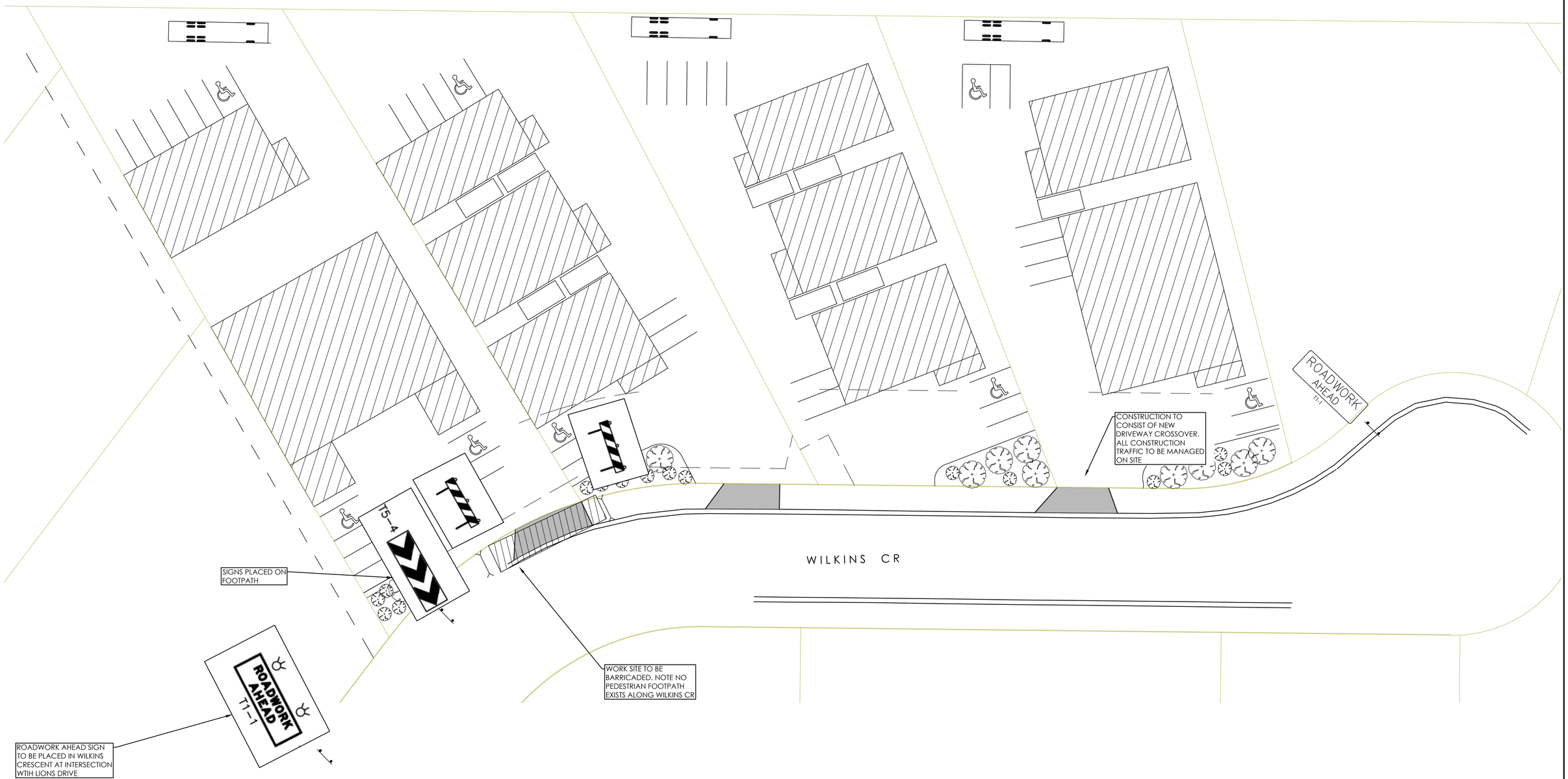
DRAWING TITLE
SWEPT PATHS

PROJECT No. TX14938.00 - DRAWING No. C4.00 ISSUE 0



PLAN PRODUCED BY J.KNOX [redacted]

TRAFFIC SELECT/MODIFY CERTIFICATE NUMBER: 0020744826

TRAFFIC CONTROL PLAN

SCALE 1:250 AT A1

2.5m 0.0 5.0 10.0 15.0 20.0 25.0m

SCALE 1:250 AT A1 SHEET | 1:500 AT A3 SHEET

AMENDMENTS	DATE	ISSUE	BY
ISSUED FOR CONSTRUCTION	10.02.221	0	J.D.

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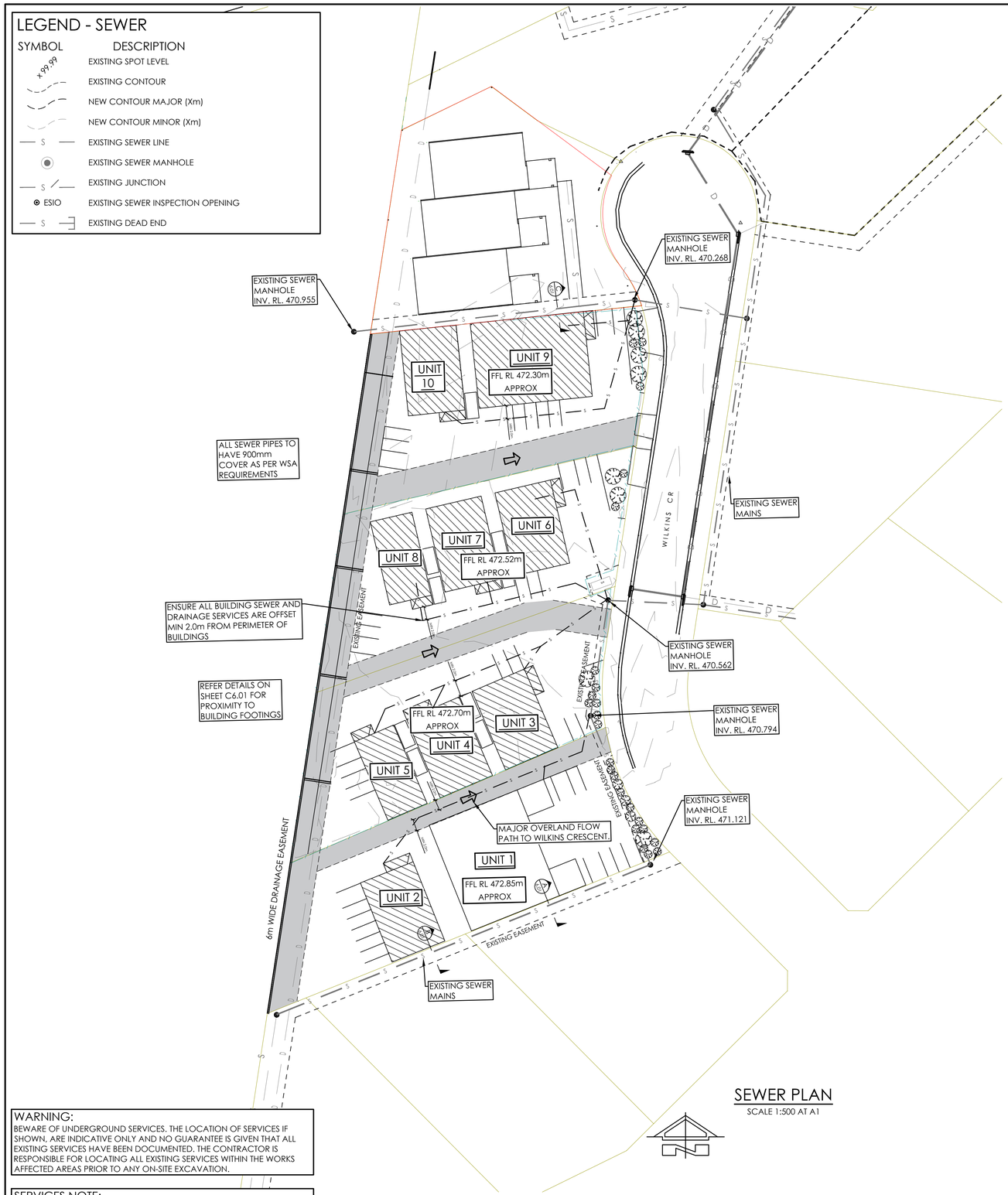
DRAWING TITLE
TRAFFIC CONTROL PLAN

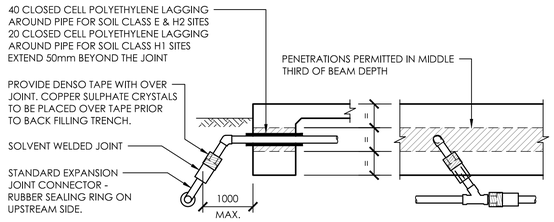
PROJECT No.	DRAWING No.	ISSUE
TX14938.00 -	C5.00	0

LEGEND - SEWER

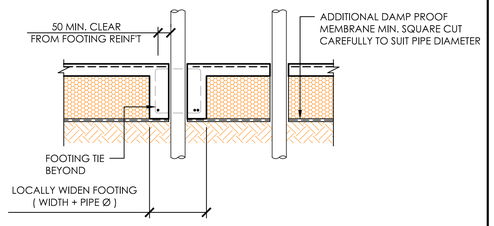
SYMBOL	DESCRIPTION
X.99.99	EXISTING SPOT LEVEL
	EXISTING CONTOUR
	NEW CONTOUR MAJOR (Xm)
	NEW CONTOUR MINOR (Xm)
S	EXISTING SEWER LINE
	EXISTING SEWER MANHOLE
S	EXISTING JUNCTION
ESIO	EXISTING SEWER INSPECTION OPENING
S	EXISTING DEAD END



SEWER PLAN
SCALE 1:500 AT A1



FLEXIBLE COUPLING DETAIL AND PREFERRED ZONE FOR PENETRATIONS
N.T.S.

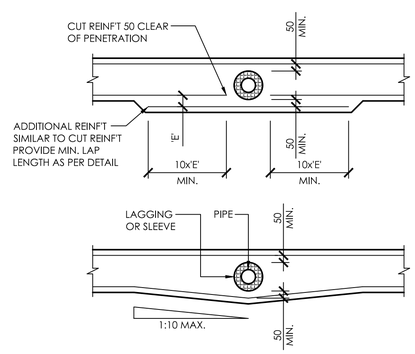


VERTICAL PIPE PENETRATION DETAIL
N.T.S.

PLUMBING JOINT NOTE:

DUE TO THE MOISTURE REACTIVE NATURE OF SOILS ON CLASS H, E SITES, IT IS REQUIRED THAT THE SERVICE PIPES INCLUDE STANDARD EXPANSION TYPE JOINT COUPLINGS. PROVIDE A FLEXIBLE CONNECTION TO PIPES IN ACCORDANCE WITH THE FOLLOWING:

1. CONNECTIONS ARE REQUIRED AT EACH LOCATION WHERE ANY PIPES PENETRATE OR PASS BENEATH THE EXTERNAL FOOTING BEAMS.
2. TWO EXPANSION JOINT CONNECTORS ARE REQUIRED, AS DETAILED ABOVE, AT EACH CONNECTION.
3. THE DENSO TAPE MUST BE SPRINKLED WITH COPPER SULPHATE CRYSTALS PRIOR TO WRAPPING AND MUST EXTEND 50mm BEYOND THE JOINT ON EITHER SIDE.
4. DETAILS ARE APPLICABLE TO SEWER AND STORMWATER PIPES.



DETAILS WHERE PENETRATIONS UNAVOIDABLE CLASH WITH REINFORCEMENT
N.T.S.

SCHEDULE OF SEWER CONNECTIONS

	CONNECTION INVERT	UNIT FFL	DISTANCE TO CONNECTION	FALL REQURIED	FALL AVAILABLE
UNIT 1	470.87	472.85	20	1.23	1.98
UNIT 2	470.87	472.85	58	1.86	1.98
UNIT 3	470.64	472.7	23	1.28	2.06
UNIT 4	470.64	472.7	45	1.64	2.06
UNIT 5	470.64	472.7	59	1.87	2.06
UNIT 6	470.64	472.52	33	1.44	1.88
UNIT 7	470.64	472.52	31	1.41	1.88
UNIT 8	470.64	472.52	49	1.71	1.88
UNIT 9	470.27	472.3	28	1.36	2.03
UNIT 10	470.27	472.3	58.0	1.86	2.03

SEWER CONNECTION NOTES
ASSUMPTIONS FOR FALL REQUIRED TAKEN FROM WSA02 - 2002-2.3:4.6.5.3
* SEWER PIPES TO HAVE 900 COVER ASSUMED FROM FFL START OF DRAIN AS PER FIGURE 4.1 WSA02-2002-2.3
GRADES TAKEN AS 1.65% AS PER 100mm SEWER MINIMUM GRADE FROM AS/NZS 3500.2:3.7

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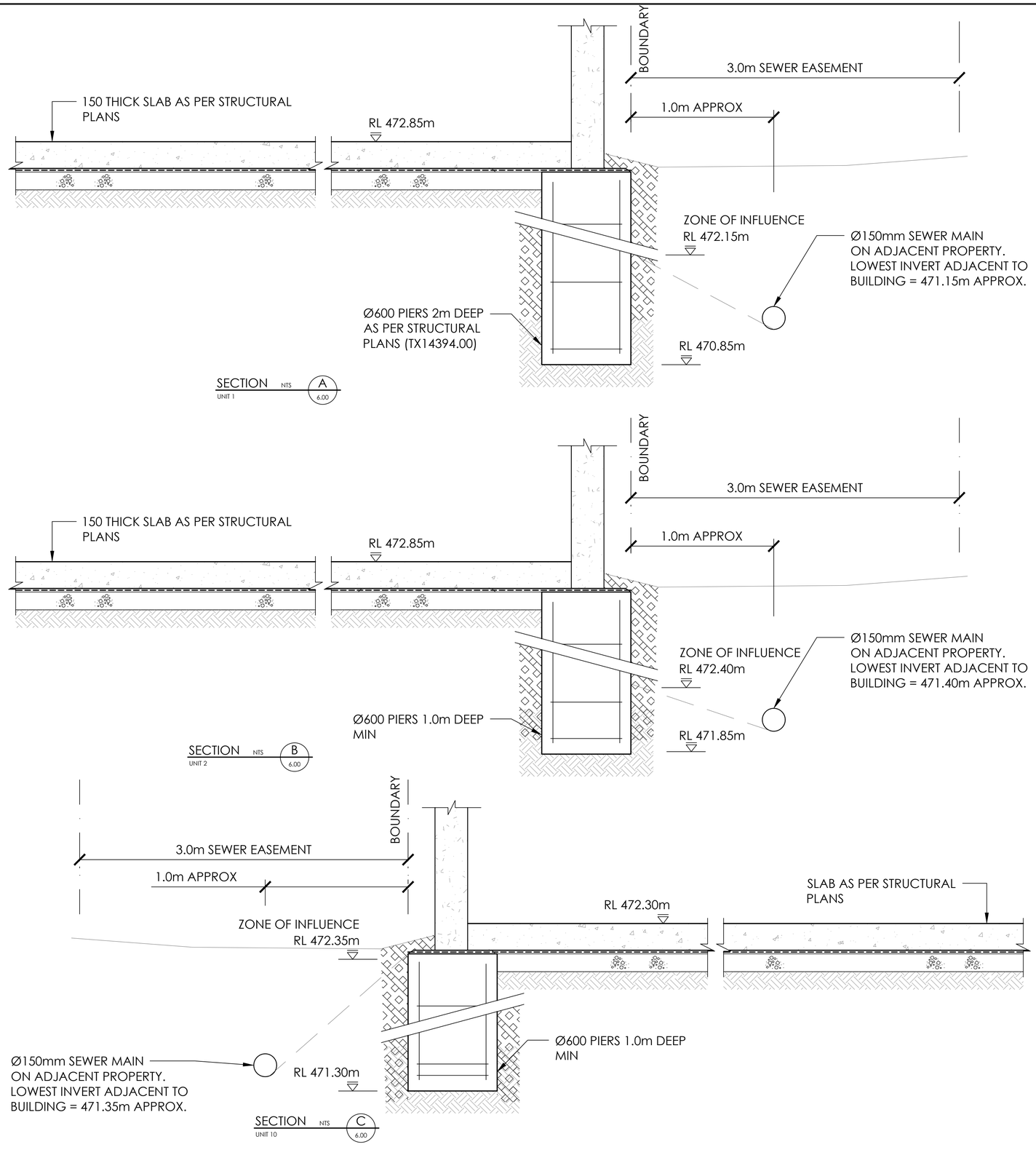
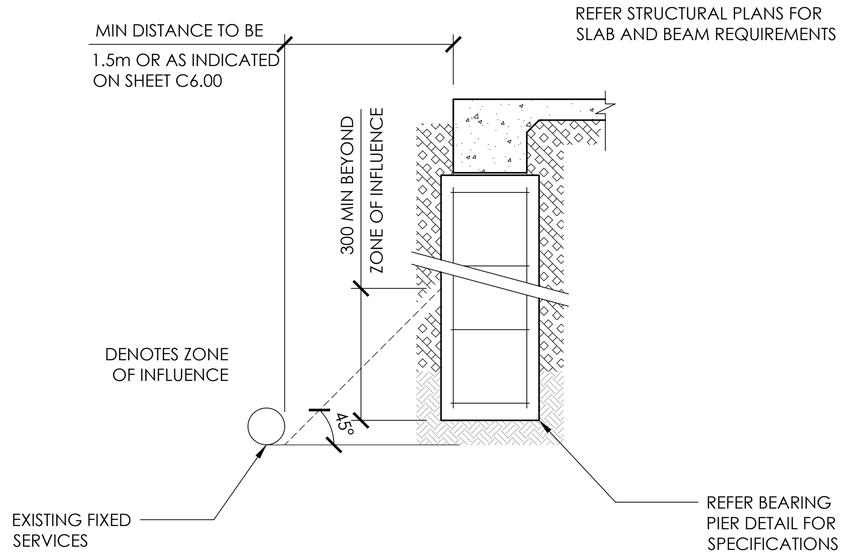
DRAWING TITLE
SEWER PLAN

PROJECT No. TX14938.00 - DRAWING No. C6.00 ISSUE 2





TYPICAL BEARING PIER ADJACENT SERVICES

N.T.S.

ISSUED FOR APPROVAL	21.02.26	0	J.D.
AMENDMENTS	DATE	ISSUE	BY

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DRAWING TITLE
BUILDING CROSS SECTIONS

PROJECT No.	DRAWING No.	ISSUE
TX14938.00 -	C6.01	0