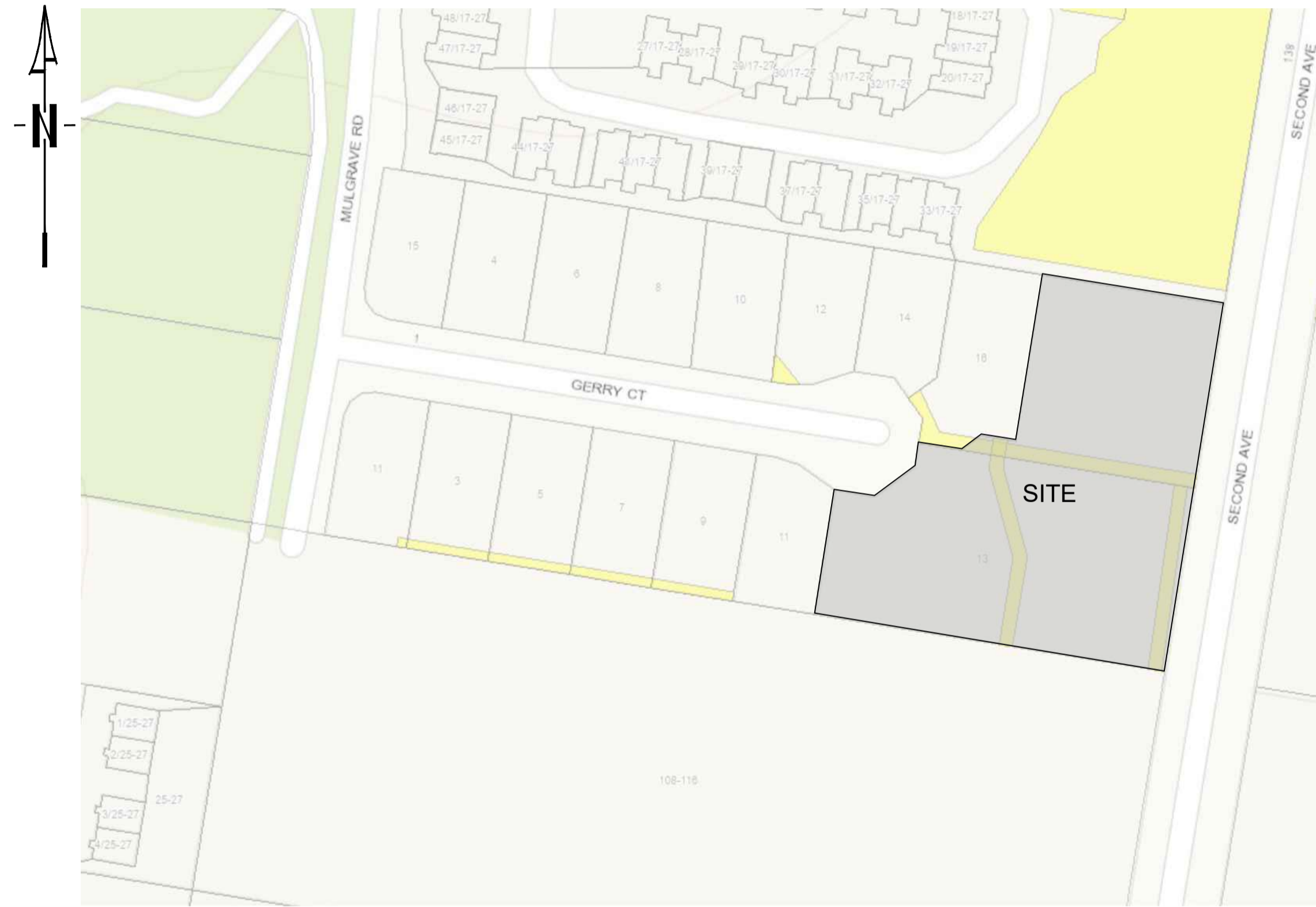


13 GERRY COURT, MARSDEN

FOR WIN HOUSING PROJECTS PTY LTD

LOGAN CITY COUNCIL
APPROVED PLAN OF DEVELOPMENT
 This is the approved plan of development for Development Application
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LOCALITY PLAN
GOOGLE MAP

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OW-WS-200	CONNECTIONS DETAILS

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RP DESCRIPTION

LOT 14 ON SP240909 & 102 ON SP303506

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Designed	D.P.
Passed	<i>[Signature]</i>
Checked	<i>[Signature]</i>

Project	13 GERRY COURT, MARSDEN
Title	OVERALL LOCALITY PLAN AND DRAWING LIST

Drawing Number	C0438-OW-AA-000
Print Scale	A1
Rev	A

Rev	Description	Date	DO NOT SCALE FROM DRAWING
A	ISSUED FOR APPROVAL	Q.T. 15.02.23	

OVERALL GENERAL NOTES:

- THE CONTRACTOR IS TO ASCERTAIN THE EXACT LOCATION OF ALL SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE RECTIFICATION OF ANY DAMAGES TO EXISTING SERVICES WHICH MAY OCCUR. THE LOCATION OF EXISTING SERVICES ON THESE DRAWINGS IS APPROXIMATE ONLY.
- BENCH MARK AND LEVELS TO AHD UNLESS NOTED OTHERWISE.
- ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ANY DAMAGE CAUSED TO EXISTING SERVICES AND INFRASTRUCTURE WILL BE MADE GOOD AT THE CONTRACTORS EXPENSE.
- PRIOR TO COMMENCEMENT OF WORKS THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT PROTECTION INCLUDING PROVISION OF SEDIMENT TRAPS AND FENCES TO MINIMISE DEPOSITION OF MATERIAL DOWNSTREAM OF THE PROPERTY TO LOCAL AUTHORITIES GUIDELINES.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY DRAINAGE DURING CONSTRUCTION. THE LOCATION OF TEMPORARY DRAINS, DAMS AND SUMPS ARE TO BE AGREED WITH THE SUPERINTENDENT.
- TEMPORARY AND PERMANENT BATTER SLOPES SUBJECT TO ALTERATIONS ON SITE AT THE DIRECTIONS OF THE GEOTECHNICAL ENGINEER.
- CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF THE WORKPLACE, HEALTH AND SAFETY ACT-2011 AND IN PARTICULAR PART 13 OF THE WORKPLACE, HEALTH AND SAFETY REGULATIONS - EXCAVATIONS, TRENCHES, CAISSONS, COFFERDAMS AND TUNNELS (REGULATIONS 125 TO 131 INCLUSIVE).
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- ALL LIAISON WITH LOCAL, STATE AND STATUTORY AUTHORITIES IS THE CONTRACTORS RESPONSIBILITY.
- ALL WORKS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITIES STANDARD DRAWINGS AND SPECIFICATIONS U.N.O.
- WORKS NOT SPECIFICALLY REFERRED TO ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD DRAWINGS AND SPECIFICATIONS OF THE LOCAL AUTHORITY.
- WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHOULD BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES MUST BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- TREE ROOTS SHOULD BE TUNNELED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE, CONTACT COUNCIL ARBORIST FOR FURTHER ADVICE.
- ANY TREE LOPPING REQUIRED SHALL BE UNDERTAKEN BY AN APPROVED ARBORIST.
- ALL TRENCHES UNDER THE ROAD SHALL BE BACKFILLED IN LAYERS NOT EXCEEDING 150mm COMPACTED THICKNESS. COMPACT TO NOT LESS THAN 98% MAXIMUM DRY DENSITY BY MODIFIED COMPACTION TEST (AS 1289). ELSEWHERE 95% MAXIMUM DRY DENSITY STANDARD COMPACTION TEST.
- AT COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL ARRANGE FOR AN INDEPENDENT LICENSED SURVEYOR TO CARRY OUT A "WORKS AS CONSTRUCTED" SURVEY AND SUBMIT THE DETAIL PLANS TO THE SUPERINTENDENT.
- THE SITE IS TO BE LEFT NEAT AND TIDY AT THE COMPLETION OF THE WORKS, ALL RUBBISH AND DEBRIS SHALL BE REMOVED AND DISPOSED OF TO THE LOCAL AUTHORITY REQUIREMENTS AND SATISFACTION.
- THE CONTRACTOR IS TO ALLOW FOR ALL FEES AND HAULAGE COSTS ASSOCIATED WITH DISPOSAL OF MATERIALS FROM THE SITE.
- ALL COSTS ASSOCIATED WITH NOISE AND DUST SUPPRESSION FOR SITE WORKS ARE DEEMED THE CONTRACTORS RESPONSIBILITY.

EARTHWORKS NOTES:

- EARTHWORK PROCEDURES ARE TO BE CARRIED OUT IN ACCORDANCE WITH AS 3798 - 1996 "GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS".
- NO BLASTING WILL BE PERMITTED.
- THE LOCATION OF SITE SHEDS, SITE OFFICE AND AMENITIES BUILDINGS WILL BE LOCATED TO SUIT TEMPORARY UTILITY SERVICES AND AS AGREED BY THE SUPERINTENDENT.
- TOPSOIL IS TO BE STOCKPILED ON SITE.
- TOPSOIL AND SUBSOIL TO BE STOCKPILED SEPARATELY.
- ALL SCREENING OF TOPSOIL STOCKPILED ON SITE TO BE CONFINED TO THE SITE.
- ANY MATERIAL ON SITE DETERMINED AS SUITABLE FOR COMMON STRUCTURAL FILL WILL BE STOCKPILED ON SITE AS DIRECTED BY THE SUPERINTENDENT.
- THE LOCATION OF TEMPORARY STOCKPILES DURING CONSTRUCTION TO BE AGREED WITH THE SUPERINTENDENT.
- TEMPORARY AND PERMANENT BATTER SLOPES MAY BE SUBJECT TO ALTERATIONS ON SITE AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER.
- CONSTRUCTION TOLERANCES TO FINISHED BULK EARTHWORKS LEVELS ARE +25 AND -0mm IN BOTH CUT AND FILL LOCATIONS.
- COMPACTION STANDARDS:
 - 11.1. 'MODIFIED' TO AS 1289 TEST 5.2.1.
 - 11.2. 'STANDARD' TO AS 1289 TEST 5.1.1.
 - 11.3. SINGLE OR TWO STOREY RESIDENTIAL DWELLING SITES
 - 11.3.1. ALLOTMENT FILL 95% STANDARD
 - 11.3.2. BUILDING PAD 100% STANDARD
 - 11.4. COMMERCIAL, INDUSTRIAL AND MULTI UNIT RESIDENTIAL
 - 11.4.1. ALLOTMENT FILL 98% STANDARD
 - 11.4.2. BUILDING PAD 100% STANDARD
 - 11.5. ROADS, EMBANKMENTS, FOOTPATHS, PAVED AREAS AND SHOULDERS
 - 11.5.1. >300mm BELOW SUBGRADE 95% STANDARD
 - 11.5.2. <300mm BELOW SUBGRADE 100% STANDARD
 - 11.6. ALL OTHER AREAS eg. PARKS
 - 11.6.1. >300mm BELOW DESIGN LEVEL 90% STANDARD
 - 11.6.2. <300mm BELOW DESIGN LEVEL 95% STANDARD
- EARTHWORKS SHALL BE ASSESSED AND INSPECTED IN ACCORDANCE WITH AS 3798 SECTION 8.1 TO THE FOLLOWING STANDARD:
 - 12.1. LEVEL 1 INSPECTION AND TESTING (SECTION 8.2)
- A SUITABLE EXPERIENCED AND QUALIFIED GEOTECHNICAL INSPECTION AND TESTING AUTHORITY (GITA) COMPLYING WITH AS 3798 SECTION 8.4 SHALL BE ENGAGED BY THE CONTRACTOR TO PERFORM THE LEVEL 1 INSPECTION AND TESTING. THE GITA SHALL ENSURE THAT ALL EARTHWORKS OPERATIONS ARE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENTS OF AS 3798 AND THE ENGINEERING SPECIFICATIONS AND DRAWINGS.
- THE GITA SHALL PRODUCE AN INSPECTION AND TESTING PLAN DETAILING HOW THE LEVEL 1 SUPERVISION IS TO BE CARRIED OUT, INCLUDING TYPE AND FREQUENCY OF TESTING. PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS. THE GITA SHALL PROVIDE A COPY OF THE INSPECTION AND TESTING PLAN TO THE SUPERINTENDENT, FOR APPROVAL.
- THE FREQUENCY AND LOCATION OF COMPACTION TESTS SHALL BE AT THE DISCRETION OF THE GITA, BUT UNDER NO CIRCUMSTANCES SHALL THE EXTENT OF TESTING BE LESS THAN THAT SPECIFIED IN AS 3798 TABLE 8.1.
- ALL EARTHWORKS SHALL BE COMPACTED IN ACCORDANCE WITH AS 3798 USING EQUIPMENT DEEMED APPROPRIATE TO THE TASK. SUGGESTED EQUIPMENT HAS BEEN TABULATED IN AS 3798 APPENDIX D.
- ALL FILL SHALL BE PLACED AT A MOISTURE CONTENT WITHIN +/- 2% OF THE OPTIMUM MOISTURE CONTENT (OMC) AND SHALL ACHIEVE THE FOLLOWING MINIMUM COMPACTION STANDARDS:
 - 17.1. COHESIVE SOILS - 97% DENSITY RATIO (STANDARD COMPACTIVE EFFORT)
 - 17.2. COHESIONLESS SOLID - 70% DENSITY INDEX.
- ALL TOPSOIL AND ANY EXISTING FILL MATERIAL DEEMED TO BE UNACCEPTABLE SHALL BE STRIPPED AT LEAST TO THE LEVELS REQUIRED ON THE DRAWINGS. ALL OTHER DELETERIOUS MATERIAL SUCH AS RUBBISH AND ORGANICS SHALL ALSO BE REMOVED. ANY SPOIL MATERIAL WHICH HAS BEEN APPROVED FOR-USE IN THE GEOTECHNICAL REPORT OR BY THE GITA SHALL BE SET ASIDE IN A DESIGNATED AREA.
- WHEN ALL UNACCEPTABLE MATERIAL HAS BEEN REMOVED TO THE APPROVAL OF THE GITA, THE SITE SHALL THEN BE FILLED TO THE REQUIRED LEVELS. NO LAYER SHALL BE COVERED UP WITH SUBSEQUENT FILL WITHOUT THE APPROVAL OF THE GITA.
- ON COMPLETION OF THE EARTHWORKS, THE GITA SHALL PROVIDE A REPORT TO THE SUPERINTENDENT, SETTING OUT OF THE INSPECTIONS, SAMPLING, TESTING AND LOCATION AND RESULTS THEREOF. THE REPORT SHALL ALSO INCLUDE STATEMENTS OF OPINION CERTIFYING THAT THE WORKS COMPLY WITH THE ENGINEERING SPECIFICATIONS AND DRAWINGS.

PAVEMENT NOTES:

- COMPACTION OF ROAD PAVEMENTS:
 - 1.1. ROAD SUBGRADE 98% MODIFIED (<300mm FROM SUBGRADE)
 - 1.2. ALL PAVEMENT GRAVELS 95% MODIFIED
- CONSTRUCTION TOLERANCES TO FINISHED SUBGRADE LEVELS ARE +25 AND -0mm IN BOTH CUT AND FILL LOCATIONS.
- LEVELS AND GRADIENTS AT JUNCTIONS WITH EXISTING WORKS MAY BE VARIED AS REQUIRED TO ACHIEVE A SATISFACTORY CONNECTION AND THE CONTRACTOR SHALL INCLUDE THE COSTS OF THIS WORK IN THE TENDER PRICE. WHERE NEW WORK JOINS EXISTING, THE EXISTING PAVEMENT IS TO BE SAW CUT BACK TO ENSURE A NEAT JOIN. THE NEW WORK SHALL TRANSITION NEATLY WITH THE PAVEMENT SO THAT THE DEVIATION FROM THE LINE OF A 3.0m STRAIGHT EDGE SHALL BE NO GREATER THAN 10mm.
- ALL KERB TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS UNLESS NOTED OTHERWISE.
- ALL KERB RAMPS TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS UNLESS NOTED OTHERWISE.
- ALL SUBSOIL DRAINS ARE TO BE INSTALLED IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS AND TO BE INSTALLED BENEATH ALL KERBING UNLESS NOTED OTHERWISE.
- CONCRETE PAVEMENTS:
 - 7.1. THE CONCRETE PAVEMENT HAS BEEN DESIGNED ON A CBR 3 AND IS SUBJECT TO CONFIRMATION UPON RECEIPT OF CBR TEST RESULTS AT TIME OF CONSTRUCTION.
 - 7.2. CONCRETE PAVEMENT SPECIFICATION:
 - COMPRESSIVE STRENGTH: 32 MPa @ 28 DAYS
 - FLEXURAL STRENGTH: 3.5 MPa @ 28 DAYS
 - MAXIMUM AGGREGATE SIZE: 20mm
 - SLUMP: 80mm +15mm
 - MESH: REFER DRAWING
 - BEDDING: 150mm CBR 45 BASE COURSE U.N.O.
 - FINISH: TO LANDSCAPE ARCHITECT DETAILS
 - 7.3. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH AS1379, AS2600 AND AS3610.
 - 7.4. ASSESSMENT OF STRENGTH IN ACCORDANCE WITH AS3600 SHALL BE ADOPTED FOR SAMPLING AND TESTING AT THE CONTRACTORS EXPENSE.
 - 7.5. CONSTRUCTION JOINTS SHALL BE MADE AT APPROVED LOCATIONS.
 - 7.6. ALL JOINTS ARE TO BE SEALED JUST PRIOR TO HANDOVER WITH DOW CORNING '888' SEALANT INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION.
 - 7.7. JOINTS ARE TO BE INSPECTED AND SEALANT REPLACED IF REQUIRED.
 - 7.8. DIMENSIONAL TOLERANCES OF AS3600, MODIFIED BY AS3610, SHALL APPLY UNLESS OTHERWISE NOTED. SLAB SURFACE FLATNESS TOLERANCE SHALL BE 5mm MAXIMUM DEVIATION FOR A 3m STRAIGHT EDGE.
 - 7.9. SLAB THICKNESS NOTED ARE EXCLUSIVE OF APPLIED FINISHES.
 - 7.10. CURE ALL CONCRETE BY AN APPROVED METHOD FOR 7 DAYS AFTER HARDENING. PVA AND RESIN BASED CURING COMPOUNDS SHALL NOT BE USED.

STORMWATER NOTES:

- ALL STORMWATER REINFORCED CONCRETE PIPES (RCP) SHALL BE RUBBER RING JOINTED CLASS '2', BEDDING TO BE IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS UNLESS NOTED OTHERWISE.
- ALL ROOFWATER PIPES TO BE uPVC CLASS 'SN10' Ø90, 'SN8' Ø150 & Ø225, OR RCP CLASS '2' UNLESS NOTED OTHERWISE.
- ALL STORMWATER PIPES TO HAVE 600mm MINIMUM COVER UNLESS NOTED OTHERWISE.
- ALL ROOFWATER PIPES TO HAVE 500mm MINIMUM COVER UNLESS NOTED OTHERWISE.
- ALL STORMWATER STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS UNLESS NOTED OTHERWISE.
- ALL STORMWATER GULLY INLETS TO BE LIP IN LINE UNLESS NOTED OTHERWISE.
- ALL CHAMBERS AND MANHOLES ARE TO BE CAST INSITU. ONLY MANHOLE LIDS AND GULLY LINTELS ARE PERMITTED TO BE PRECAST.
- ROOFWATER KERB ADAPTORS AND 100 x 75 RHS (GALV.) DRAIN LINE TO BE INSTALLED IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS UNLESS NOTED OTHERWISE. IN LOCATIONS ADJACENT TO PATHWAYS THE RHS PIPELINE SHALL EXTEND FROM THE KERB ADAPTOR UNDER THE PATHWAY TO THE PROPERTY BOUNDARY.
- EXCAVATION BEDDING AND BACKFILL SHALL BE IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS UNLESS NOTED OTHERWISE.
- ALL TRENCHES UNDER THE ROAD SHALL BE BACKFILLED IN LAYERS NOT EXCEEDING 150mm COMPACTED THICKNESS.

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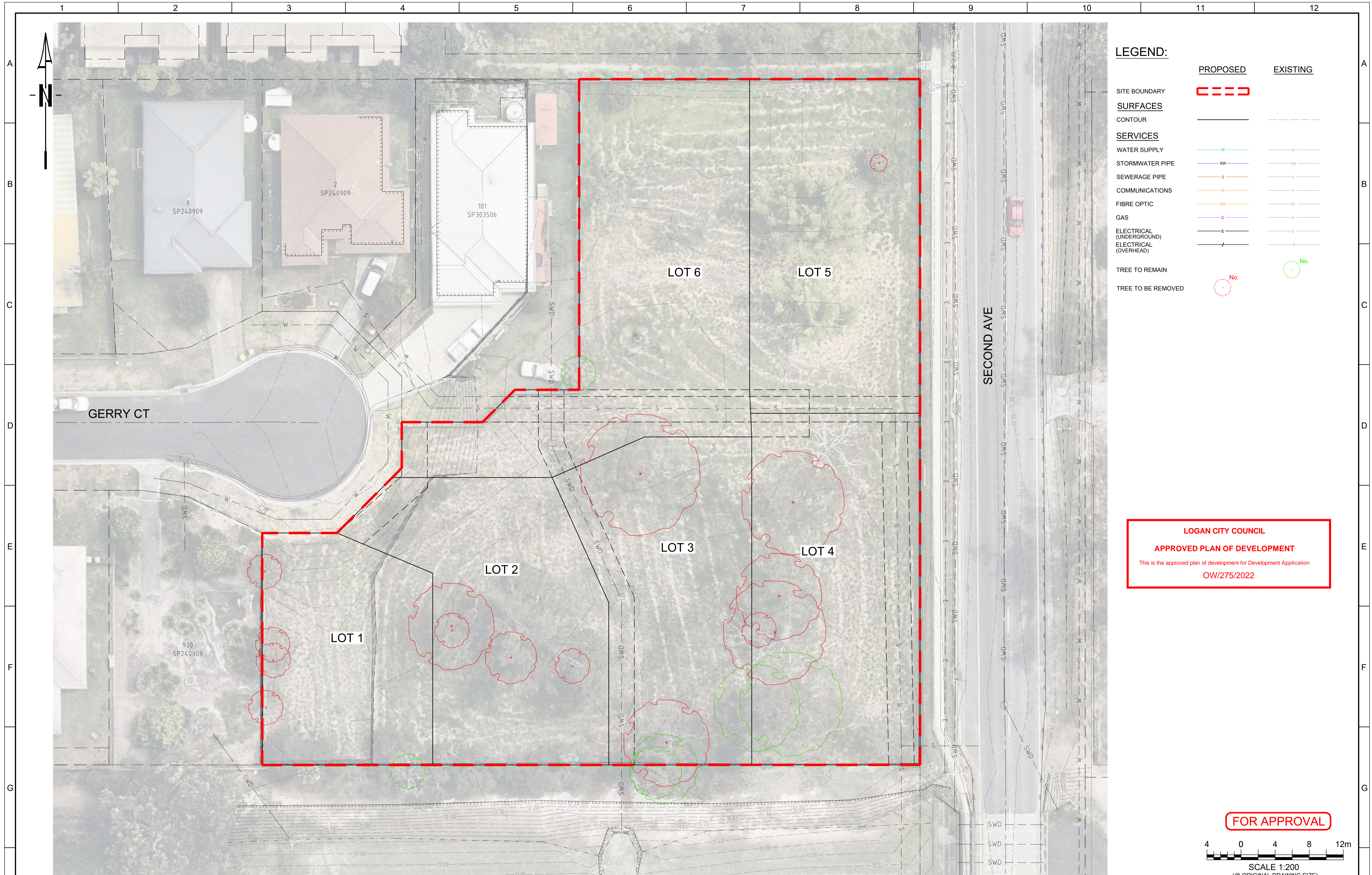
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Project	13 GERRY COURT, MARSDEN
Title	OVERALL NOTES

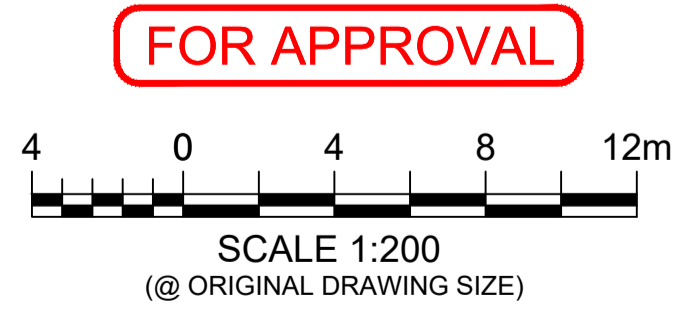
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LEGEND:

	PROPOSED	EXISTING
SITE BOUNDARY		
SURFACES		
CONTOUR		
SERVICES		
WATER SUPPLY		
STORMWATER PIPE		
SEWERAGE PIPE		
COMMUNICATIONS		
FIBRE OPTIC		
GAS		
ELECTRICAL (UNDERGROUND)		
ELECTRICAL (OVERHEAD)		
TREE TO REMAIN		
TREE TO BE REMOVED		

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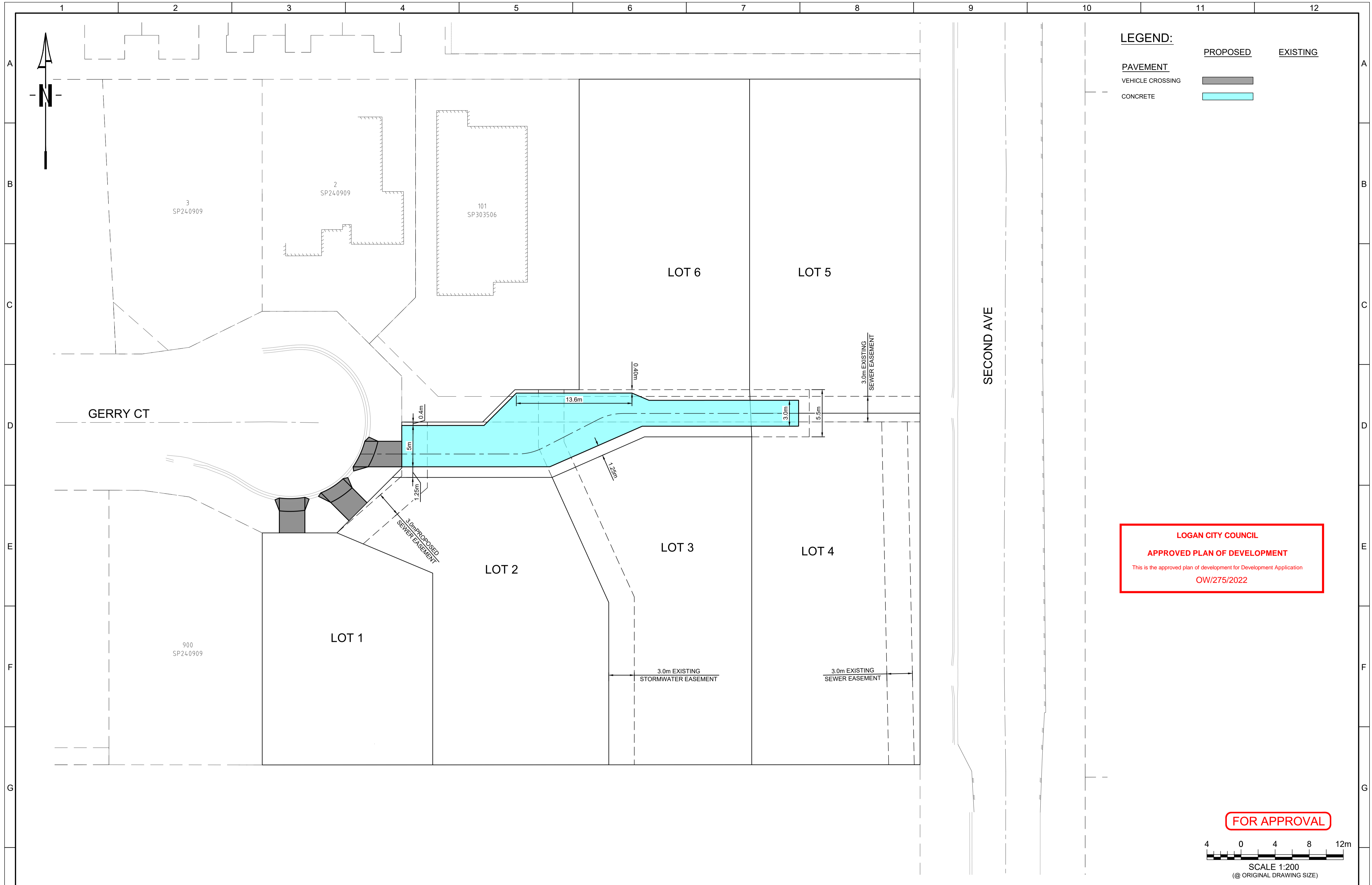
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Project **13 GERRY COURT, MARSDEN**

Title **OVERALL EXISTING FEATURES AND SERVICES**

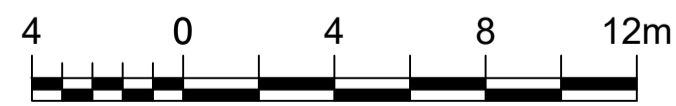
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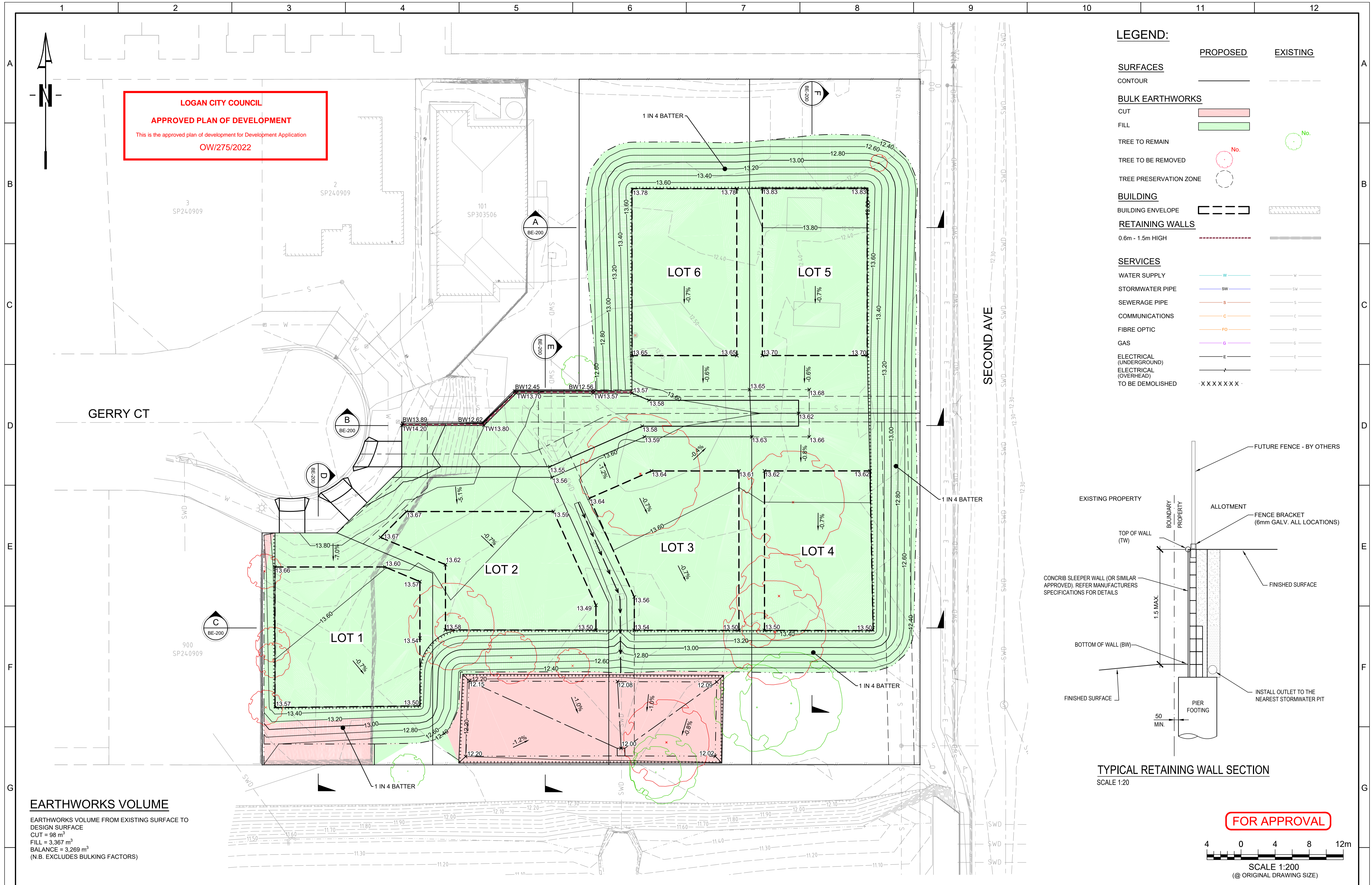
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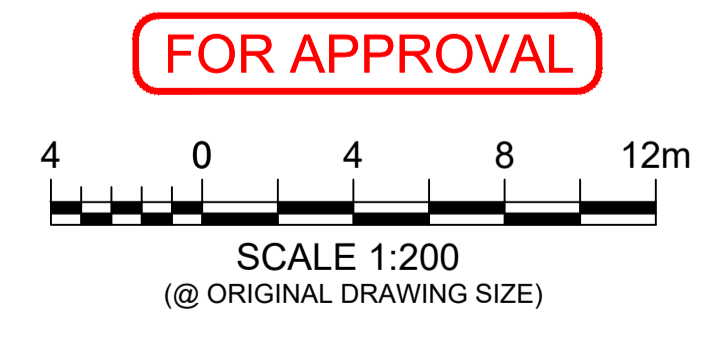
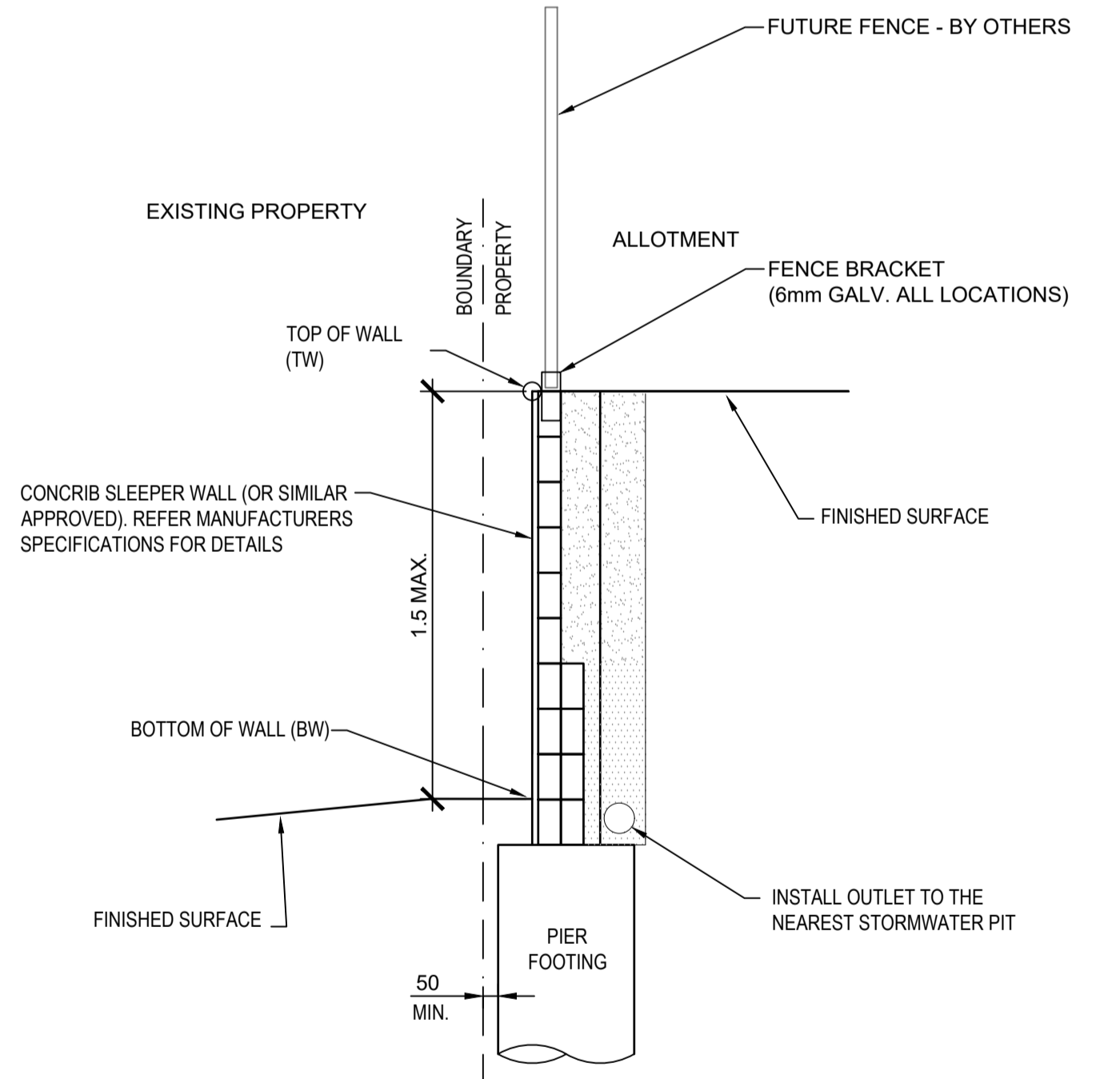
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Print Scale A1	Rev A

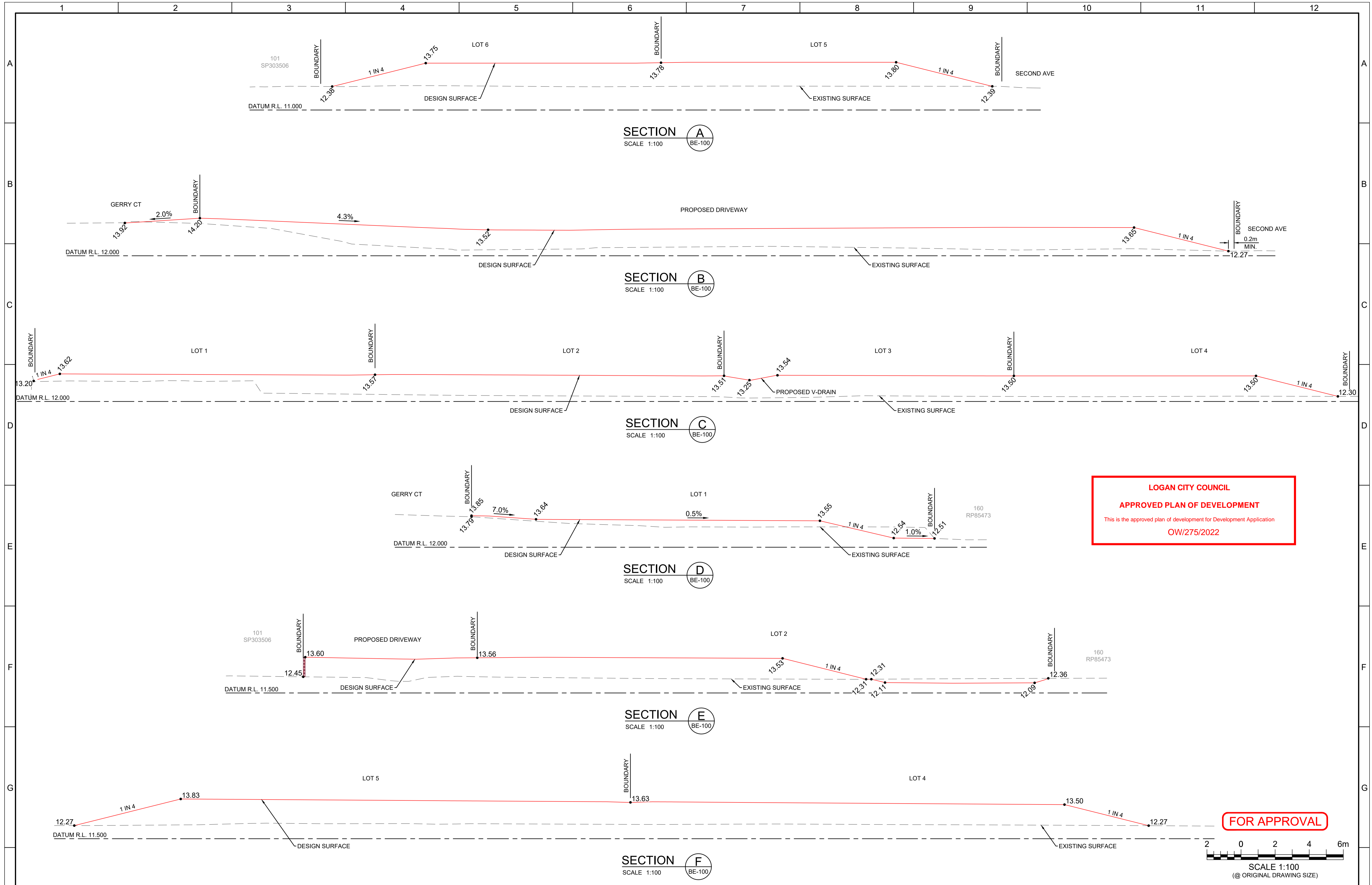


LEGEND:

	PROPOSED	EXISTING
SURFACES		
CONTOUR	—	- - -
BULK EARTHWORKS		
CUT	[Pink Box]	[Green Circle]
FILL	[Green Box]	[Green Circle]
TREE TO REMAIN	[Red Circle]	[Green Circle]
TREE TO BE REMOVED	[Red Circle]	[Green Circle]
TREE PRESERVATION ZONE	[Red Circle]	[Green Circle]
BUILDING		
BUILDING ENVELOPE	[Dashed Box]	[Hatched Box]
RETAINING WALLS		
0.6m - 1.5m HIGH	[Dashed Line]	[Solid Line]
SERVICES		
WATER SUPPLY	[Blue Line]	[Blue Line]
STORMWATER PIPE	[SW Blue Line]	[SW Blue Line]
SEWERAGE PIPE	[Red Line]	[Red Line]
COMMUNICATIONS	[Orange Line]	[Orange Line]
FIBRE OPTIC	[Yellow Line]	[Yellow Line]
GAS	[Purple Line]	[Purple Line]
ELECTRICAL (UNDERGROUND)	[Black Line]	[Black Line]
ELECTRICAL (OVERHEAD)	[Black Line]	[Black Line]
TO BE DEMOLISHED	[X X X X X X X]	[X X X X X X X]



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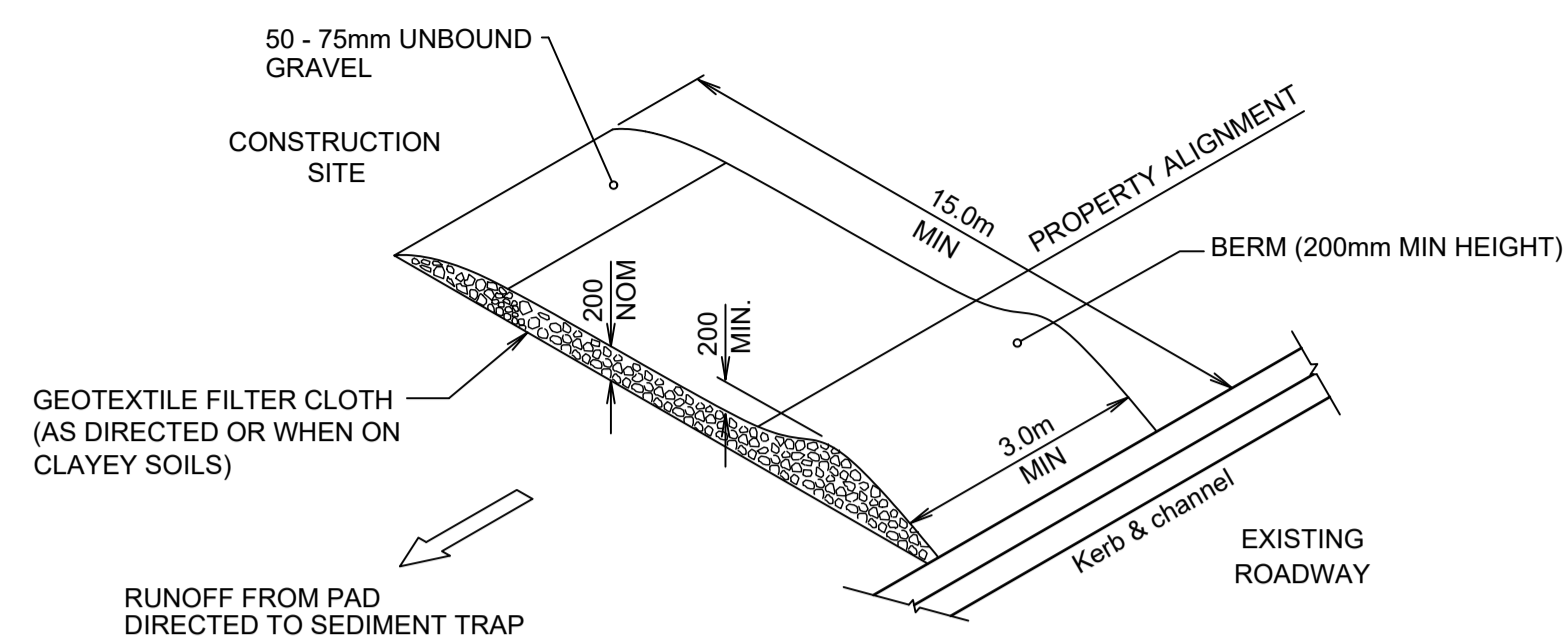
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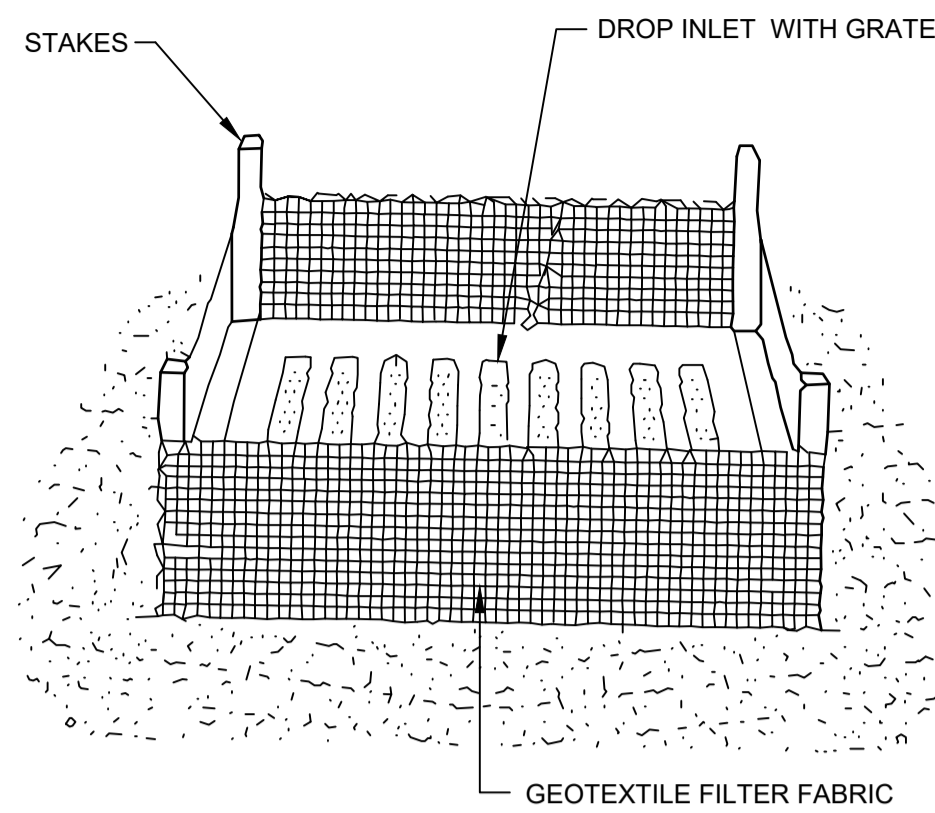
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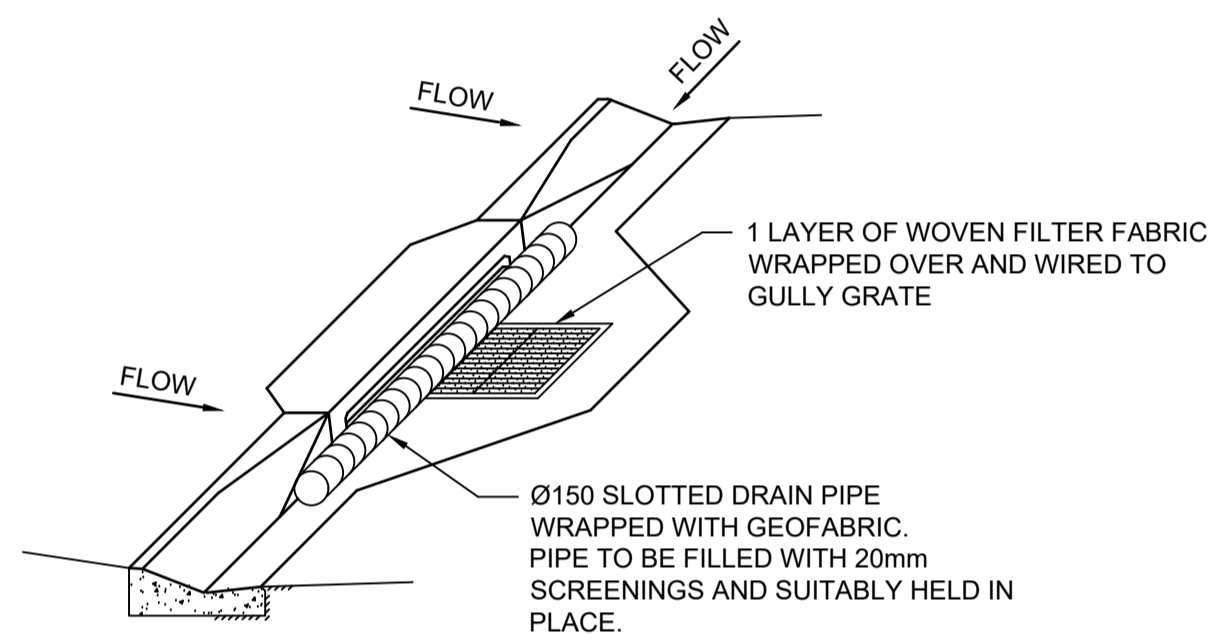
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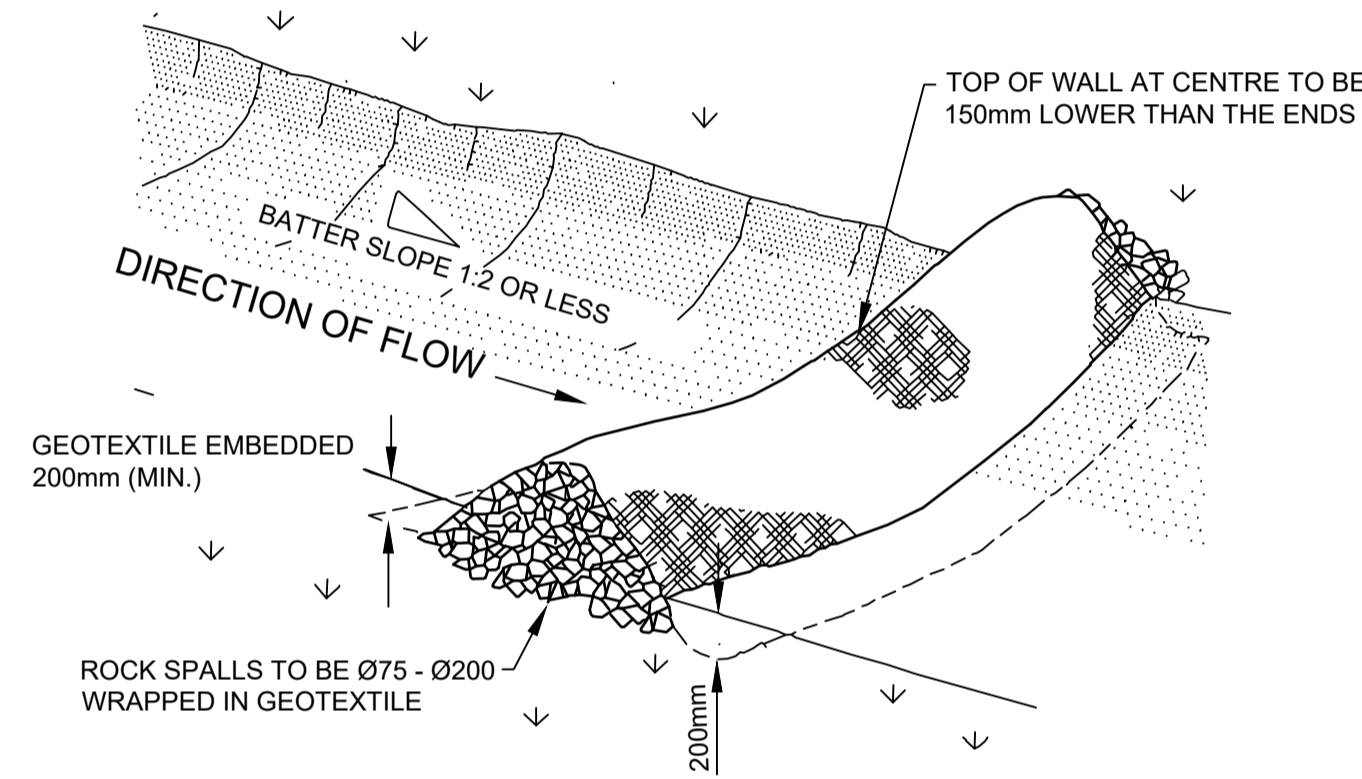
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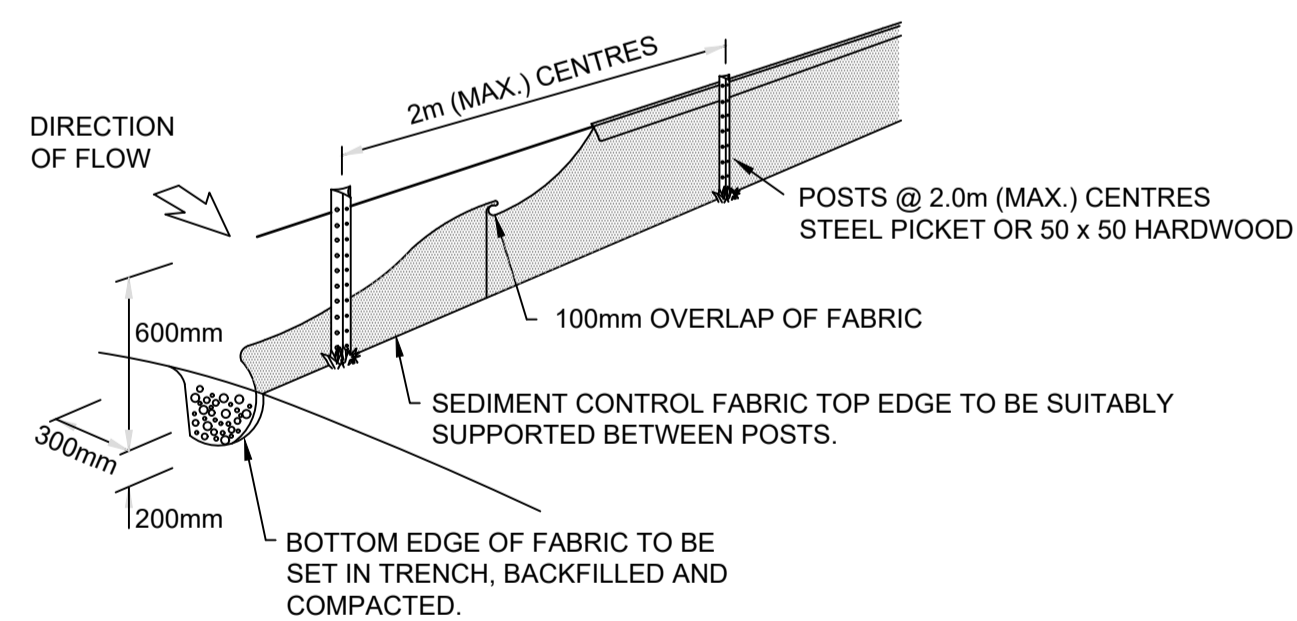
FIELD INLET SEDIMENT TRAP
N.T.S.



KERB INLET SEDIMENT TRAP
APPROVED PROPRIETARY SYSTEMS MAY BE USED IN LIEU OF THE DETAIL SHOWN
N.T.S.



ROCK CHECK DAM
N.T.S.



NOTE: WHERE TRAPPED LOW POINTS OCCUR IN THE SEDIMENT FENCE ADDITIONAL POSTS AND CHAIN WIRE BACKING IS TO BE PROVIDED TO PREVENT COLLAPSE OF THE STRUCTURE.

SEDIMENT FENCE
N.T.S.

EROSION AND SEDIMENT CONTROL MANAGEMENT PROGRAM:

1. CLEARING
 - 1.1. INSTALL APPROPRIATE SAFETY FENCING AND SIGNAGE.
 - 1.2. SEDIMENT FENCE, SEDIMENT BASINS AND DIVERSION DRAINS TO BE CONSTRUCTED AS REQUIRED.
 - 1.3. EXISTING GRASSED AREAS TO REMAIN WHERE POSSIBLE.
 - 1.4. TEMPORARY CONSTRUCTION ENTRY / EXIT AS REQUIRED.
 - 1.5. CONSTRUCT UPSTREAM CLEAN WATER DIVERSION DRAINS IF REQUIRED.
 - 1.6. SUPERINTENDENT TO CONFIRM EXTENT OF CLEARING TO CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS.
2. EARTHWORKS
 - 2.1. SEDIMENT FENCES AND DIVERSION DRAINS TO BE CONSTRUCTED AS REQUIRED.
 - 2.2. TEMPORARY LATERAL CONTOUR DRAINS TO BE INSTALLED IF SPECIFIED.
3. SEWER / ROOFWATER / STORMWATER / SERVICES
 - 3.1. EXCAVATED MATERIAL TO BE PLACED ON HIGH SIDE OF TRENCH AND TO PROTECT PIPE WORK AND DIRECT SURFACE RUNOFF AWAY FROM EXCAVATIONS.
 - 3.2. TOPSOIL AND HYDROMULCH AREAS IN ALLOTMENTS IMMEDIATELY AFTER COMPLETING THE SEWER AND ROOFWATER DRAINAGE CONSTRUCTION AND TURF OVER TRENCHES WHERE ADJACENT TO EXISTING PROPERTIES.
 - 3.3. DEPRESS GROUND AROUND TEMPORARY FIELD INLETS TO CREATE SEDIMENT POND.
 - 3.4. TURF OPEN DRAINS WHERE SHOWN.
4. STOCKPILE
 - 4.1. SEDIMENT FENCE TO BE ERECTED 5m FROM TOE OF BATTER ON LOW SIDE OF STOCKPILE.
 - 4.2. CUT OFF DRAIN ON HIGH SIDE TO DIRECT SURFACE RUNOFF AROUND STOCKPILE.
5. ROADWORKS
 - 5.1. SEDIMENT FENCES TO ALLOTMENTS TO BE ERECTED.
 - 5.2. KERB INLET PROTECTION TO BE PROVIDED TO ALL GULLIES UNLESS NOTED OTHERWISE.
 - 5.3. PLACE TURF FILTER STRIPS BEHIND KERB AND CHANNEL.
6. ALLOTMENTS
 - 6.1. MULCH, TOPSOIL AND HYDROMULCH ALLOTMENTS AS DIRECTED.
 - 6.2. SEDIMENT FENCES TO ALLOTMENTS TO BE ERECTED.
 - 6.3. COVERS TO GULLY GRATES TO BE REMOVED IF THE SUPERINTENDENT INDICATES THE GRASS STRIKE IS SUFFICIENT.

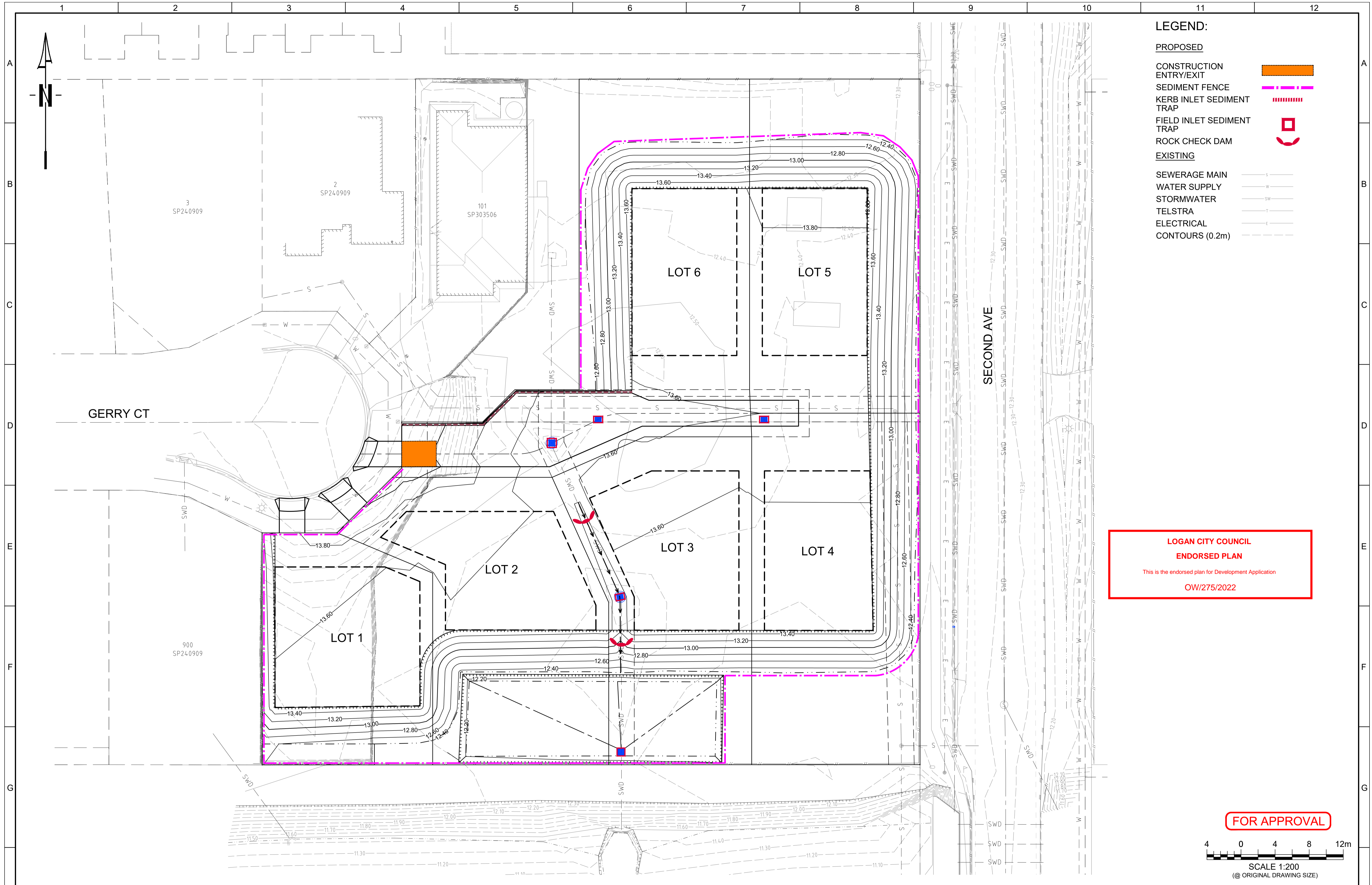
EROSION AND SEDIMENT CONTROL NOTES:












1. GENERAL
 - 1.1. ALL EROSION AND SEDIMENT CONTROLS TO BE IN ACCORDANCE WITH "BEST PRACTICE EROSION AND SEDIMENT CONTROL", INTERNATIONAL EROSION AND SEDIMENT CONTROL ASSOCIATION (IECA), AUSTRALASIA CHAPTER 2008 AND TO THE SATISFACTION OF THE SUPERINTENDENT.
 - 1.2. NOTWITHSTANDING THE DESIGN SHOWN ON THE DRAWINGS, THE CONTRACTOR IS RESPONSIBLE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES TO MINIMISE THE QUANTITY OF SEDIMENT LEAVING THE SITE.
 - 1.3. TEMPORARY DRAINAGE CONTROL FLOW SHOULD BE DIVERTED AROUND THE WORK SITE WHERE POSSIBLE.
 - 1.4. ALL DRAINAGE, EROSION AND SEDIMENT CONTROLS TO BE INSTALLED AND BE OPERATIONAL BEFORE COMMENCING UP-SLOPE EARTHWORKS.
 - 1.5. ALL CONTROL MEASURES TO BE INSPECTED AT LEAST WEEKLY AND AFTER SIGNIFICANT RUNOFF PRODUCING STORMS.
 - 1.6. AT ALL TIMES THE CONTRACTOR SHALL MONITOR THE PREVAILING WEATHER CONDITIONS AND PROTECT AND DOWNSTREAM CONSTRUCTION GULLY INLETS.
 - 1.7. CONTROL MEASURES MAY BE REMOVED WHEN ON-SITE EROSION IS CONTROLLED AND 70% PERMANENT SOIL COVERAGE IS OBTAINED OVER ALL UPSTREAM DISTURBED LAND.
 - 1.8. IN AREA WHERE RUNOFF TURBIDITY IS TO BE CONTROLLED, EXPOSED SURFACES TO BE EITHER MULCHED, COVERED WITH EROSION CONTROL BLANKETS OR TURFED IF EARTHWORKS ARE EXPECTED TO BE DELAYED FOR MORE THAN 14 DAYS.
 - 1.9. PONDED RAINFALL SHALL BE PUMPED THROUGH A SEDIMENT FENCE LOCATED ON THE SITE BEFORE DISCHARGING INTO THE DOWNSTREAM STORMWATER SYSTEM.
 - 1.10. ALL OPEN DRAINS AND BATTERS ARE TO BE TOPSOILED AND HYDROMULCHED WITHIN 7 DAYS OF COMPLETION.
 - 1.11. TURF STRIPS ARE TO BE PROVIDED OVER SEWER / ROOFWATER LINES WHERE ADJACENT TO EXISTING PROPERTIES.
 - 1.12. ALL SEDIMENT CONTROL DEVICES SHALL BE MONITORED, CLEANED AND / OR REPAIRED WHENEVER THE CAPACITY OF THE DEVICE FALLS BELOW 75%.
2. SEDIMENT FENCE
 - 2.1. NOT TO BE LOCATED IN AREAS OF CONCENTRATED FLOW.
 - 2.2. NORMALLY LOCATED ALONG THE CONTOUR WITH A MAXIMUM CATCHMENT AREA OF 0.6ha PER 100m LENGTH OF FENCE.
 - 2.3. WOVEN FABRICS ARE PREFERRED, NON-WOVEN FABRICS MAY BE USED ON SMALL WORK SITES, IE. OPERATIONAL PERIOD LESS THAN 6 MONTHS OR ON SITES WHERE SIGNIFICANT SEDIMENT RUNOFF IS NOT EXPECTED.
 - 2.4. WHERE FENCES NEED TO BE LOCATED ACROSS THE CONTOUR THE LAYOUT SHALL CONFORM TO TYPICAL LAYOUT ACROSS GRADE.
 - 2.5. FENCES ARE REQUIRED 2m MINIMUM FROM TOE OF CUT OR FILL BATTERS, WHERE NOT PRACTICAL ONE FENCE CAN BE AT THE TOE WITH A SECOND FENCE 1m MINIMUM AWAY. FENCE SHOULD NOT BE LOCATED PARALLEL WITH TOE IF CONCENTRATION OF FLOW WILL OCCUR BEHIND AT FENCE.
3. TEMPORARY CONSTRUCTION ENTRY / EXIT
 - 3.1. ADJACENT STORMWATER RUNOFF TO BE DIVERTED AWAY FROM ENTRY / EXIT.
 - 3.2. WHEEL WASH OR SPRAY UNIT MAY BE REQUIRED DURING WET WEATHER.
4. FIELD INLET SEDIMENT TRAP
 - 4.1. A STABILISED BYPASS OVERLAND FLOW PATH SHOULD EXIST ADJACENT TO THE FIELD INLET.
 - 4.2. WATER LEVEL CONTROL PERIMETER BANKS MAY BE REQUIRED.
5. KERB INLET SEDIMENT TRAP
 - 5.1. INLETS TO HAVE SILT PROTECTION IN ACCORDANCE WITH KERB INLET SEDIMENT TRAP DETAIL AT LOCATIONS SHOWN OR AS DIRECTED BY THE SUPERINTENDENT.
6. ROCK CHECK DAM
 - 6.1. CATCHMENT AREA LIMITED TO 4ha.
 - 6.2. USE IN MINOR OPEN DRAINS ONLY FOR VELOCITY CONTROL, SEDIMENT COLLECTION IS A SECONDARY PURPOSE.
7. STRAW BALES ARE ONLY EMERGENCY USE ONLY.
8. SAFETY ISSUES MUST BE CONSIDERED AT ALL TIMES, INCORPORATE TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT..
9. WHERE SEWERS HAVE A GRADE OF 1 IN 20 OR STEEPER, BULKHEADS SHALL BE CONSTRUCTED IN RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
10. SEWERS SHALL BE DISUSED / ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ CODE .
11. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

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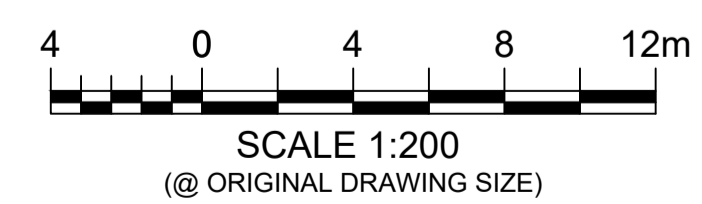
			© 2023 Urban Engineering Solutions Pty. Ltd. This design and drawing remain the property of Urban Engineering Solutions Pty. Ltd. and is not to be reproduced either in whole or in part without the written permission of Urban Engineering Solutions Pty. Ltd.	Client	WIN HOUSING PROJECTS PTY LTD	URBAN ENGINEERING SOLUTIONS CIVIL ENGINEERING DESIGN AND DOCUMENTATION SUBDIVISIONS — INDUSTRIAL — COMMERCIAL — TOURISM PO Box 1003 Lutwyche QLD 4030 PH: 0488 998 776 E: dpayne@urbanengineering.com.au	Drawn Q.T. Designed D.P. Passed <i>[Signature]</i> Checked <i>[Signature]</i>	Project 13 GERRY COURT, MARSDEN Title EROSION AND SEDIMENT NOTES AND TYPICAL DETAILS	Drawing Number C0438-OW-EC-001 Print Scale A1 Rev A		
Rev	Description	Date	DO NOT SCALE FROM DRAWING								
A	ISSUED FOR APPROVAL	Q.T. 15.02.23									

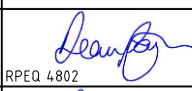



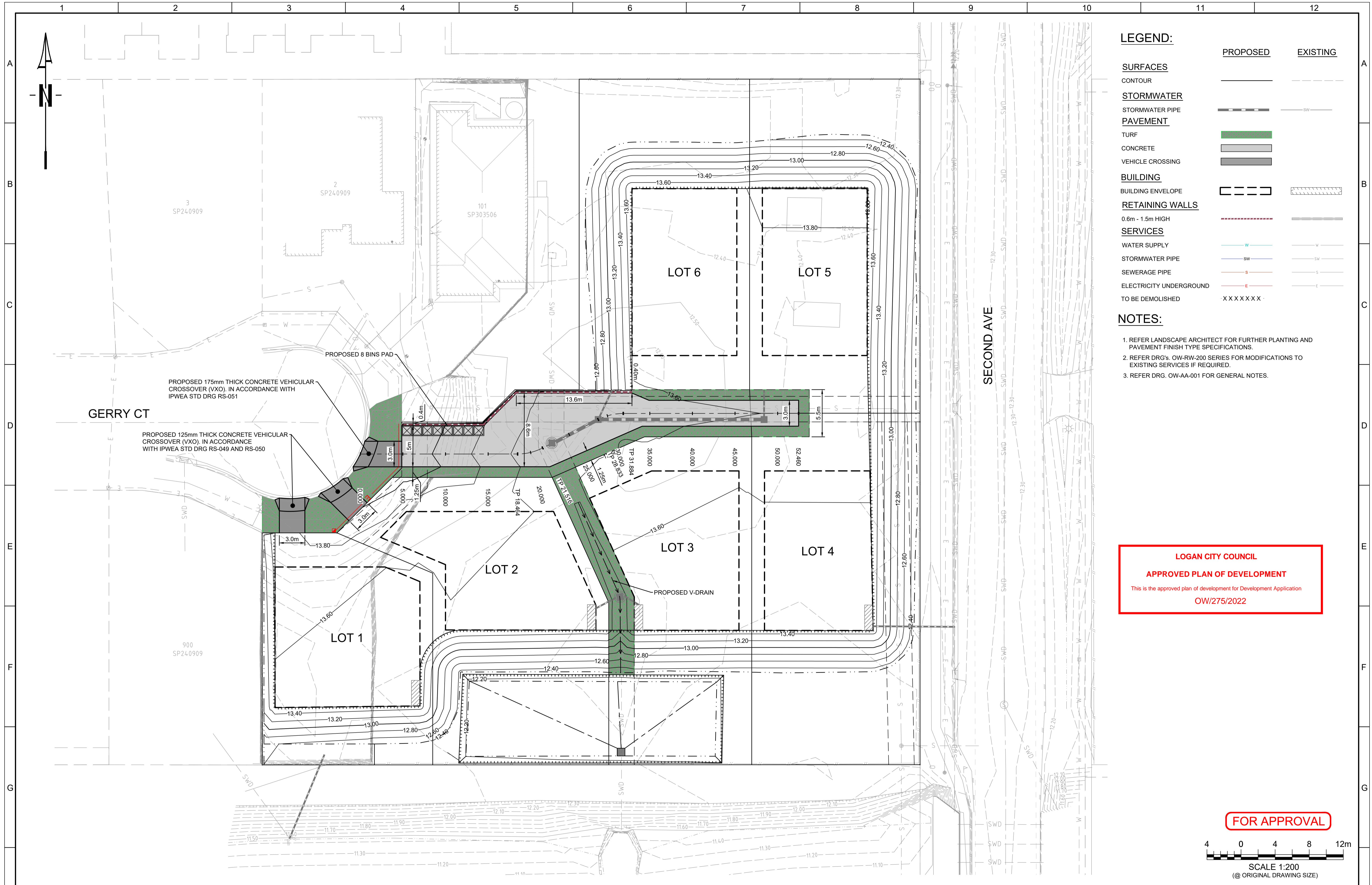
- LEGEND:**
- PROPOSED**
- CONSTRUCTION ENTRY/EXIT 
 - SEDIMENT FENCE 
 - KERB INLET SEDIMENT TRAP 
 - FIELD INLET SEDIMENT TRAP 
 - ROCK CHECK DAM 
- EXISTING**
- SEWERAGE MAIN 
 - WATER SUPPLY 
 - STORMWATER 
 - TELSTRA 
 - ELECTRICAL 
 - CONTOURS (0.2m) 

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A ISSUED FOR APPROVAL Q.T. 15.02.23		DO NOT SCALE FROM DRAWING											
Rev	Description	Date											
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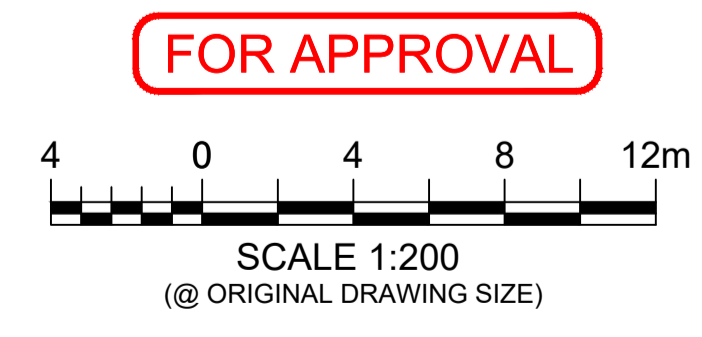


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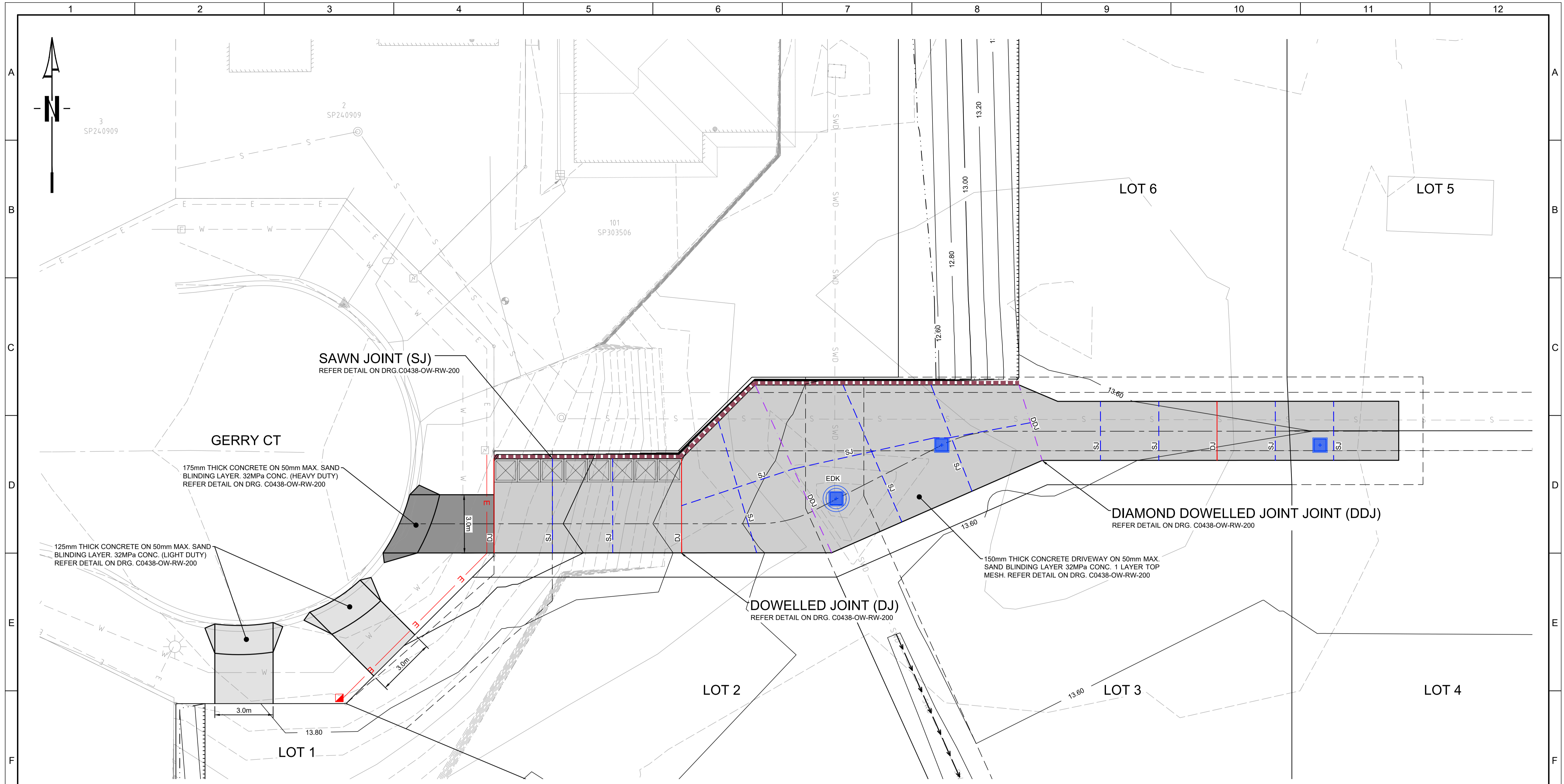
	PROPOSED	EXISTING
SURFACES		
CONTOUR	—	- - - -
STORMWATER		
STORMWATER PIPE	— SW —	- - - SW - - -
PAVEMENT		
TURF	[Green Box]	
CONCRETE	[Grey Box]	
VEHICLE CROSSING	[Dark Grey Box]	
BUILDING		
BUILDING ENVELOPE	[Dashed Box]	[Hatched Box]
RETAINING WALLS		
0.6m - 1.5m HIGH	[Red Dashed Line]	[Grey Line]
SERVICES		
WATER SUPPLY	[Blue Line with W]	[Blue Line with W]
STORMWATER PIPE	[Blue Line with SW]	[Blue Line with SW]
SEWERAGE PIPE	[Red Line with S]	[Red Line with S]
ELECTRICITY UNDERGROUND	[Red Line with E]	[Red Line with E]
TO BE DEMOLISHED	X X X X X X X	

- NOTES:**
- REFER LANDSCAPE ARCHITECT FOR FURTHER PLANTING AND PAVEMENT FINISH TYPE SPECIFICATIONS.
 - REFER DRG's. OW-RW-200 SERIES FOR MODIFICATIONS TO EXISTING SERVICES IF REQUIRED.
 - REFER DRG. OW-AA-001 FOR GENERAL NOTES.

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A ISSUED FOR APPROVAL Rev Description Date	Q.T. 15.02.23 DO NOT SCALE FROM DRAWING					



SAWN JOINT (SJ)
REFER DETAIL ON DRG. C0438-OW-RW-200

GERRY CT

175mm THICK CONCRETE ON 50mm MAX. SAND BLINDING LAYER. 32MPa CONC. (HEAVY DUTY)
REFER DETAIL ON DRG. C0438-OW-RW-200

125mm THICK CONCRETE ON 50mm MAX. SAND BLINDING LAYER. 32MPa CONC. (LIGHT DUTY)
REFER DETAIL ON DRG. C0438-OW-RW-200

DIAMOND DOWELLED JOINT (DDJ)
REFER DETAIL ON DRG. C0438-OW-RW-200

150mm THICK CONCRETE DRIVEWAY ON 50mm MAX. SAND BLINDING LAYER 32MPa CONC. 1 LAYER TOP MESH. REFER DETAIL ON DRG. C0438-OW-RW-200

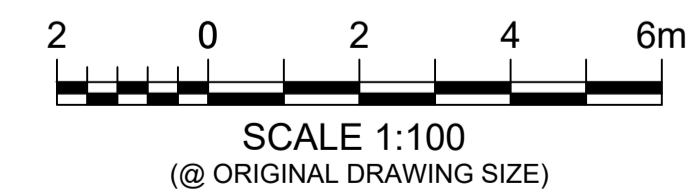
DOWELLED JOINT (DJ)
REFER DETAIL ON DRG. C0438-OW-RW-200

LEGEND:

	PROPOSED	EXISTING
SURFACES		
CONTOUR	—	- - -
PAVEMENT		
HEAVY DUTY CONCRETE (175mm THICK)		
HEAVY DUTY CONCRETE (150mm THICK)		
LIGHT DUTY CONCRETE (125mm THICK)		
DIAMOND DOWELLED JOINT		
DOWELLED JOINT		
SAWN CUT JOINTS		

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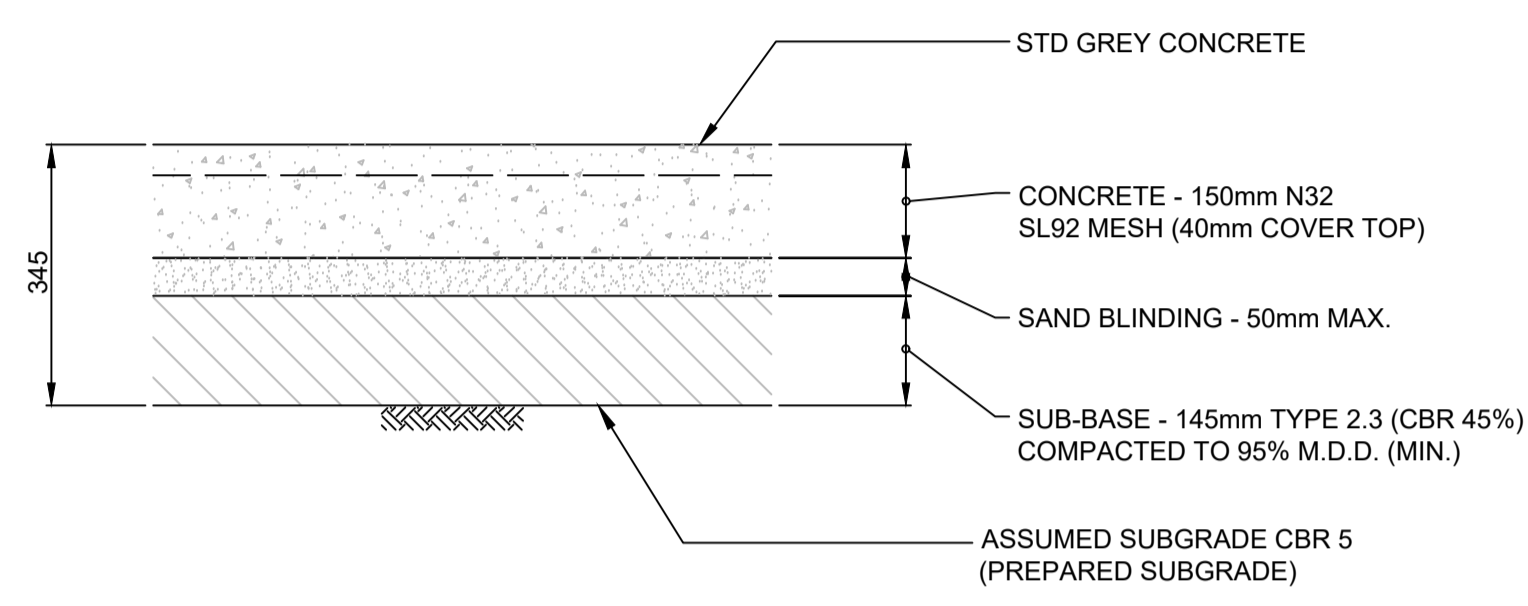
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Rev	Description	Date	DO NOT SCALE FROM DRAWING
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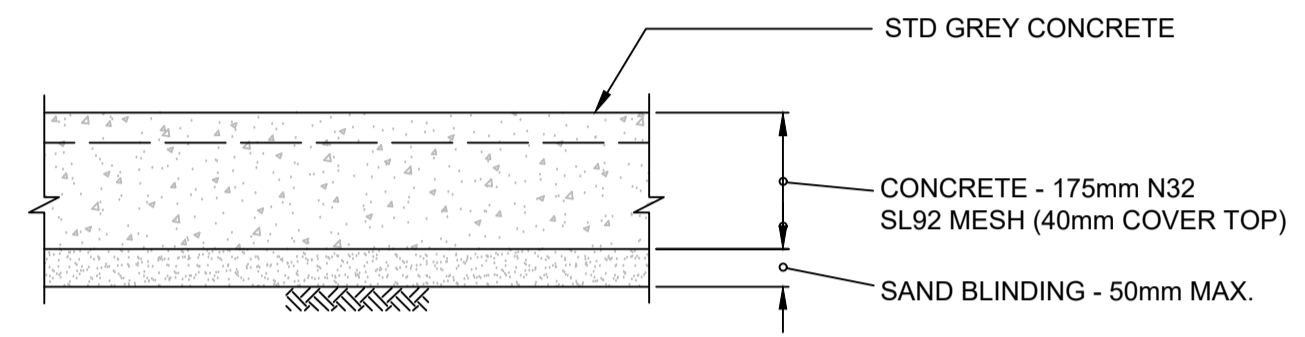
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Drawn	Q.T.	Project	13 GERRY COURT, MARSDEN
Designed	D.P.		
Passed		Title	ROADWORKS PAVEMENT LAYOUT PLAN
Checked			

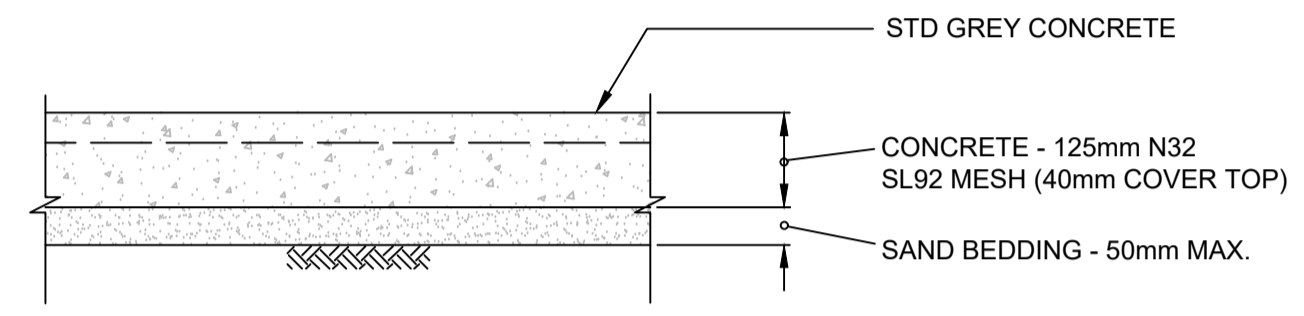
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Print Scale	Rev
A1	A



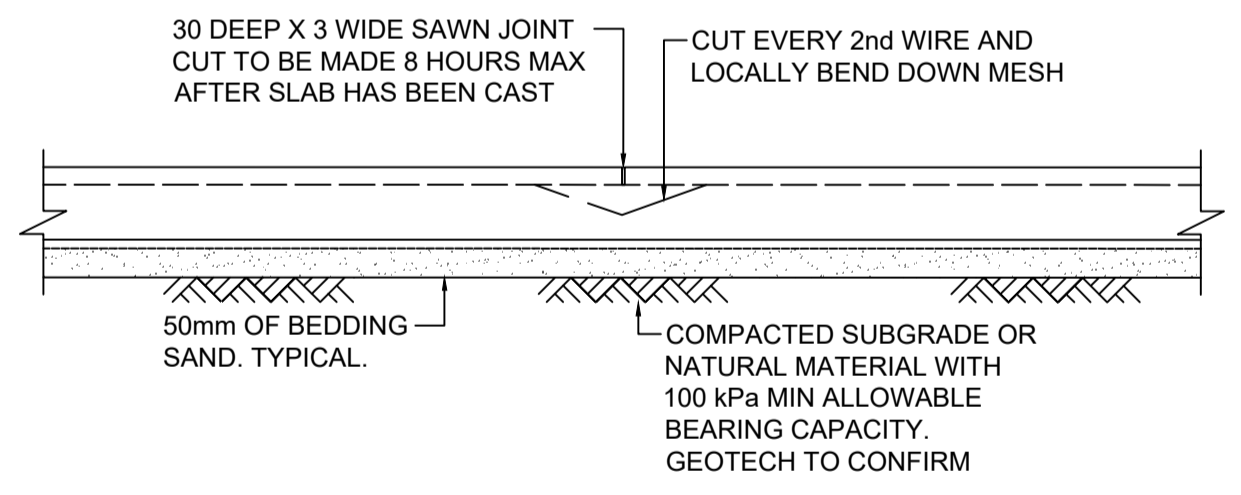
PAVEMENT TYPE 1- CONCRETE DRIVEWAY
SCALE 1:10



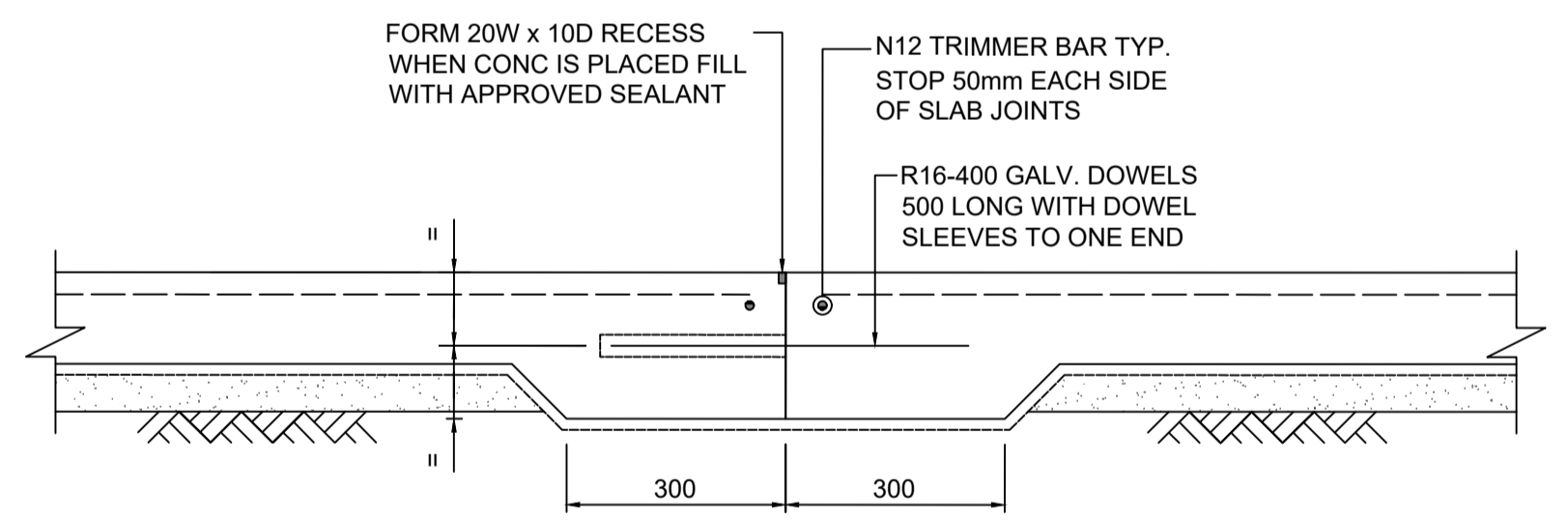
VEHICLE CROSSING HEAVY DUTY - CONCRETE
SCALE 1:10



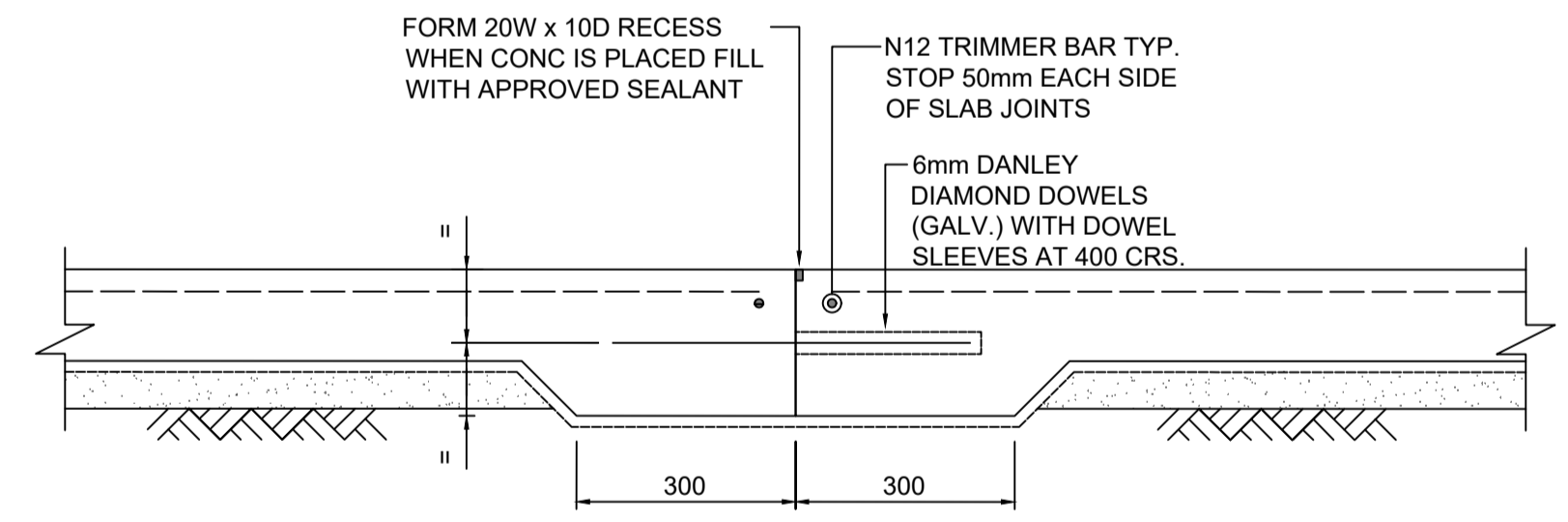
VEHICLE CROSSING LIGHT DUTY - CONCRETE
SCALE 1:10



SAWN CUT JOINT (S.J.)
SCALE: 1:10



DOWELLED JOINT (D.J.)
SCALE: 1:10



DIAMOND DOWELLED JOINT (D.D.J.)
SCALE: 1:10

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SCALE 1:10
(@ ORIGINAL DRAWING SIZE)

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Rev	Description	Date	DO NOT SCALE FROM DRAWING				
A	ISSUED FOR APPROVAL	Q.T. 15.02.23					

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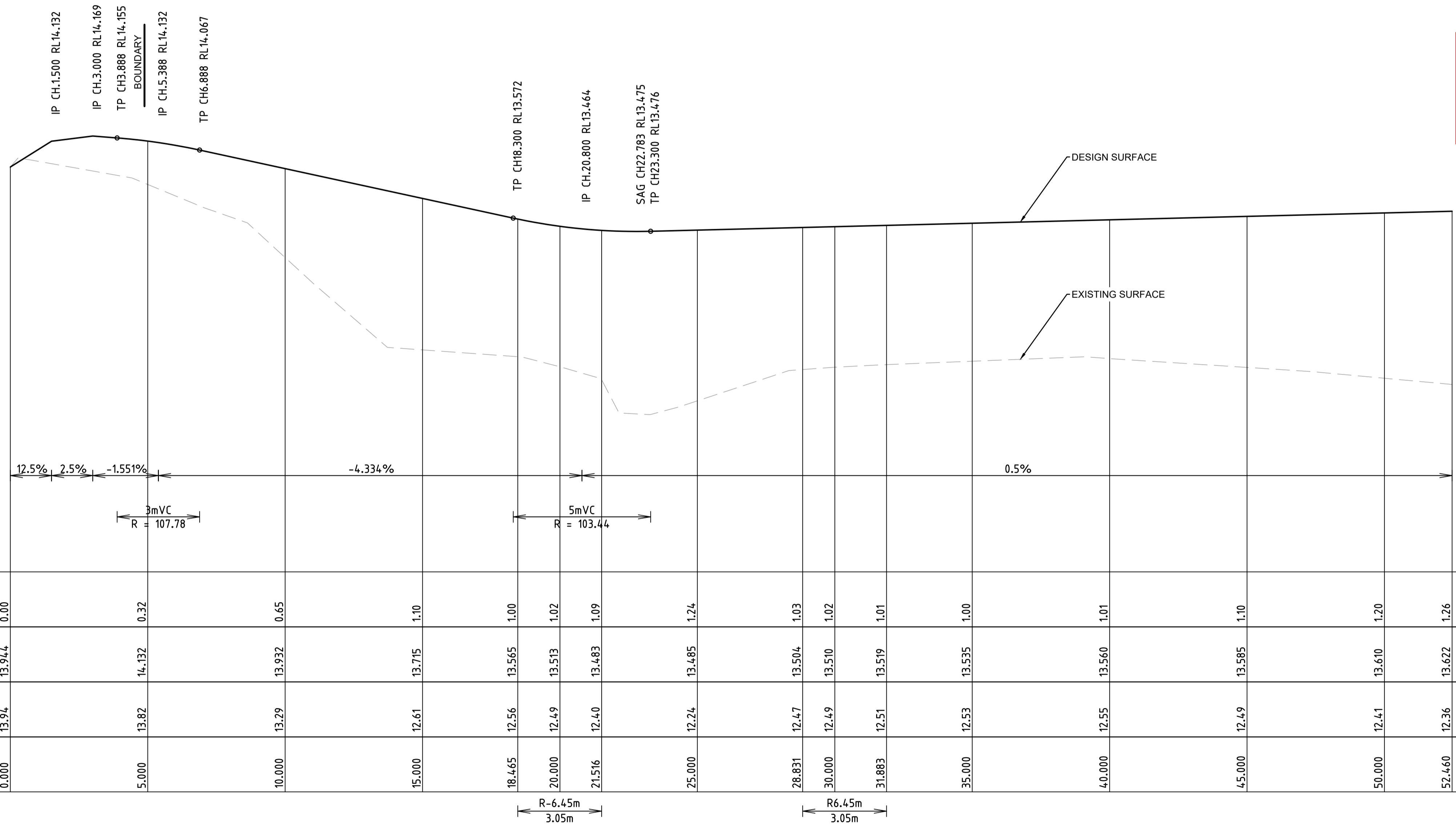
F

G

H

DRIVEWAY SETOUT TABLE								
PT	CHAINAGE	EASTING	NORTHING	LEVEL	BEARING	RAD/SPIRAL	A.LENGTH	D.ANGLE
IP1	0	784.8	4832.884	13.944	89°58'48.01"			
	5	789.8	4832.886	14.132	89°58'48.01"			
	10	794.8	4832.887	13.932	89°58'48.01"			
	15	799.8	4832.889	13.715	89°58'48.01"			
TC	18.465	803.265	4832.89	13.565	89°58'48.01"			
	19.99	804.82	4832.891	13.513		-6.45	3.052	27°06'30.35"
IP2	20	804.786	4833.073	13.513	76°20'25.58"			
	21.516	806.204	4833.6	13.483	62°52'17.67"			
CT	25	809.304	4835.188	13.485	62°52'17.67"			
	28.831	812.714	4836.935	13.504	62°52'17.67"			
IP3	30	813.797	4837.371	13.51	73°15'19.18"			
	30.357	814.098	4837.644	13.512		6.45	3.052	27°06'24.31"
CT	31.883	815.652	4837.645	13.519	89°58'41.97"			
	35	818.77	4837.646	13.535	89°58'41.97"			
	40	823.77	4837.648	13.56	89°58'41.97"			
	45	828.77	4837.65	13.585	89°58'41.97"			
	50	833.77	4837.652	13.61	89°58'41.97"			
	52.46	836.23	4837.653	13.622	89°58'41.97"			
IP4								

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VERTICAL GRADE (%)

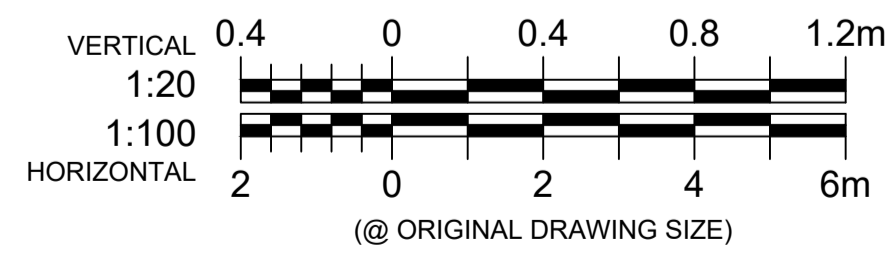
VERTICAL CURVE LENGTH (m)
VERTICAL CURVE RADIUS (m)

DATUM RL 11.0

DEPTH OF CUT (-ve) HEIGHT OF FILL (+ve)	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL	CONTROL LINE CHAINAGE
0.00	13.944	13.94	0.000
0.32	14.132	13.82	5.000
0.65	13.932	13.29	10.000
1.10	13.715	12.61	15.000
1.00	13.565	12.56	18.465
1.02	13.513	12.49	20.000
1.09	13.483	12.40	21.516
1.24	13.485	12.24	25.000
1.03	13.504	12.47	26.831
1.02	13.510	12.49	30.000
1.01	13.519	12.51	31.883
1.00	13.535	12.53	35.000
1.01	13.560	12.55	40.000
1.10	13.585	12.49	45.000
1.20	13.610	12.41	50.000
1.26	13.622	12.36	52.460

HORIZONTAL GEOMETRY

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PH: 0488 998 776
E: dpayne@urbanengineering.com.au

Drawn: Q.T.

Designed: D.P.

Passed: *[Signature]*

Checked: *[Signature]*

Project: 13 GERRY COURT, MARSDEN

Title: ROADWORKS DRIVEWAY LONGITUDINAL SECTION

Drawing Number: C0438-OW-RW-300

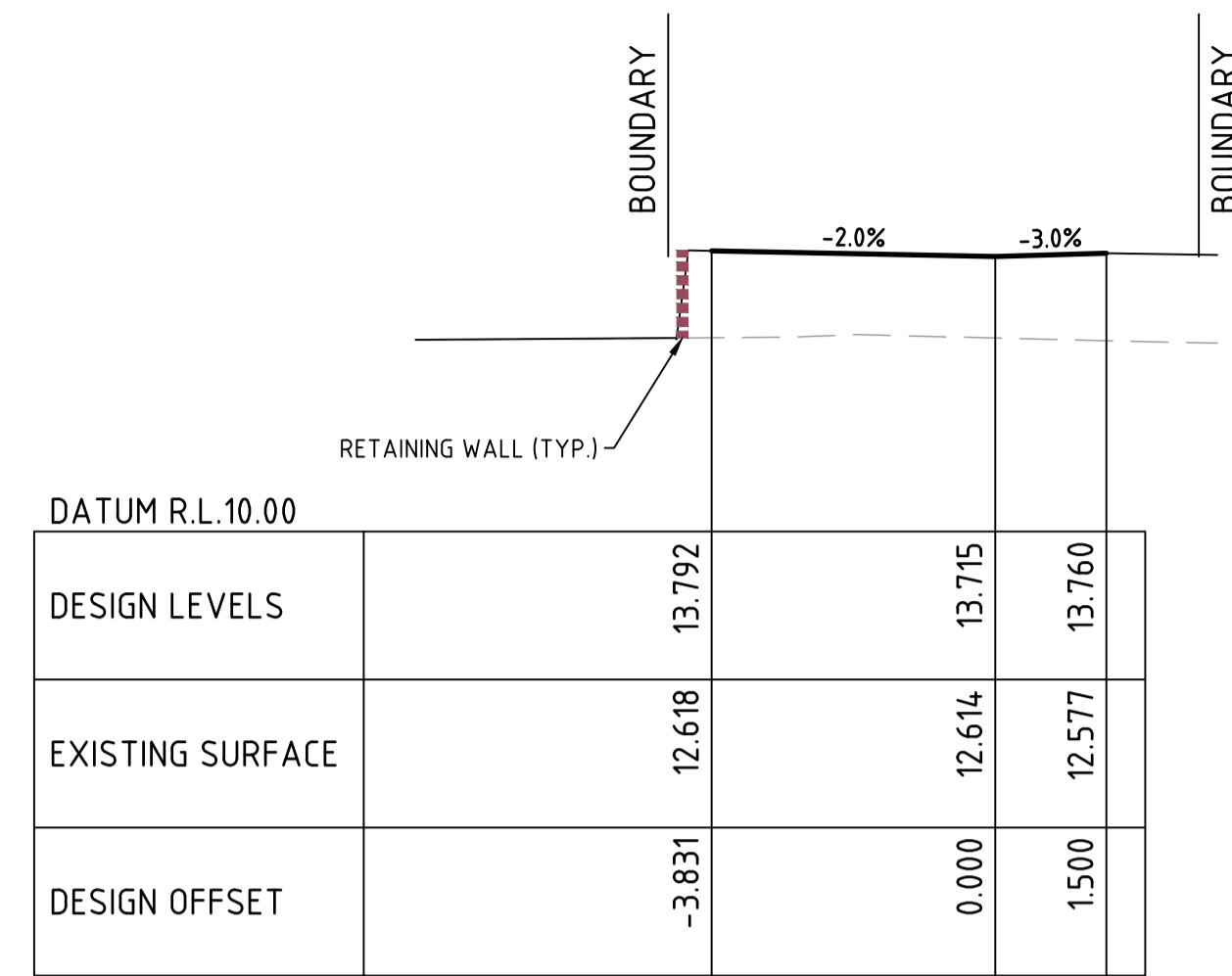
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Rev: A

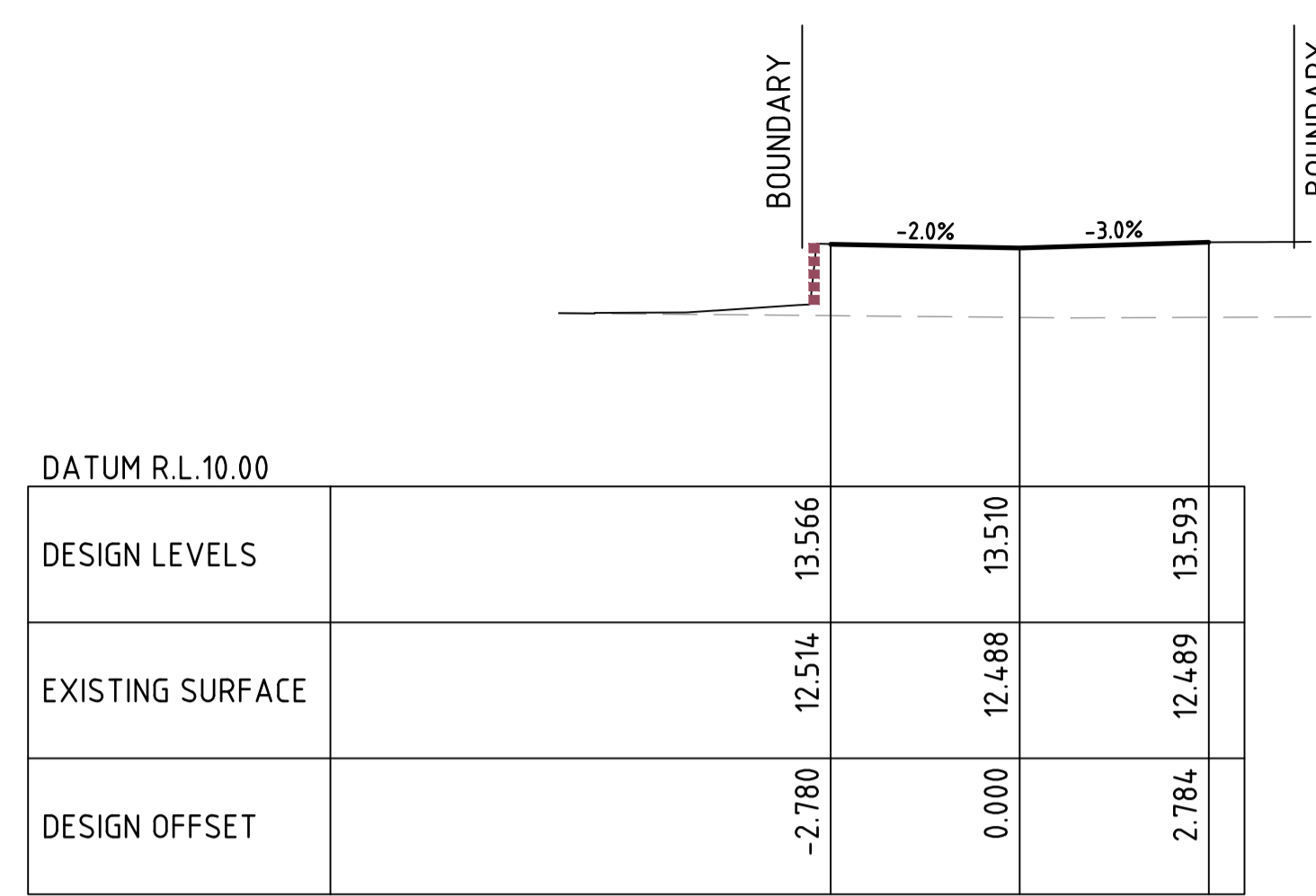
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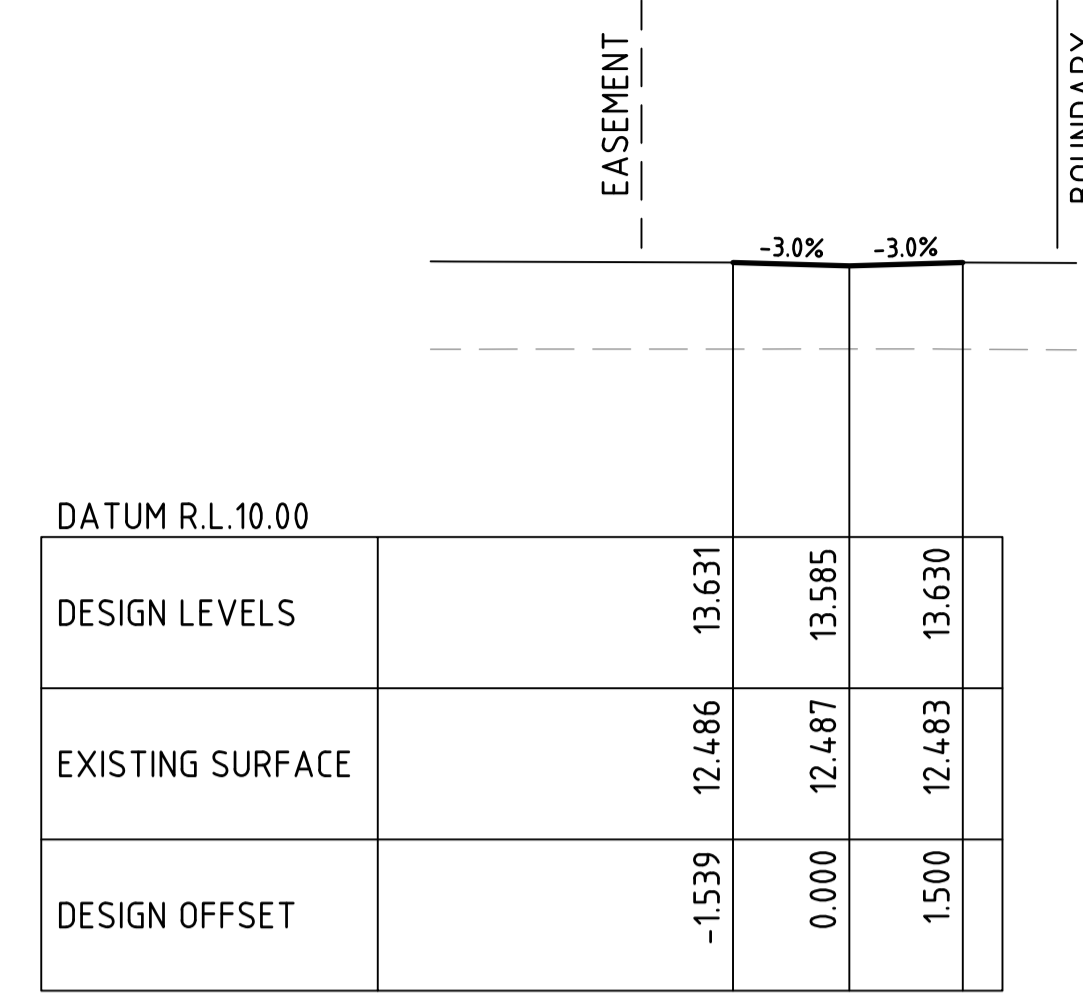
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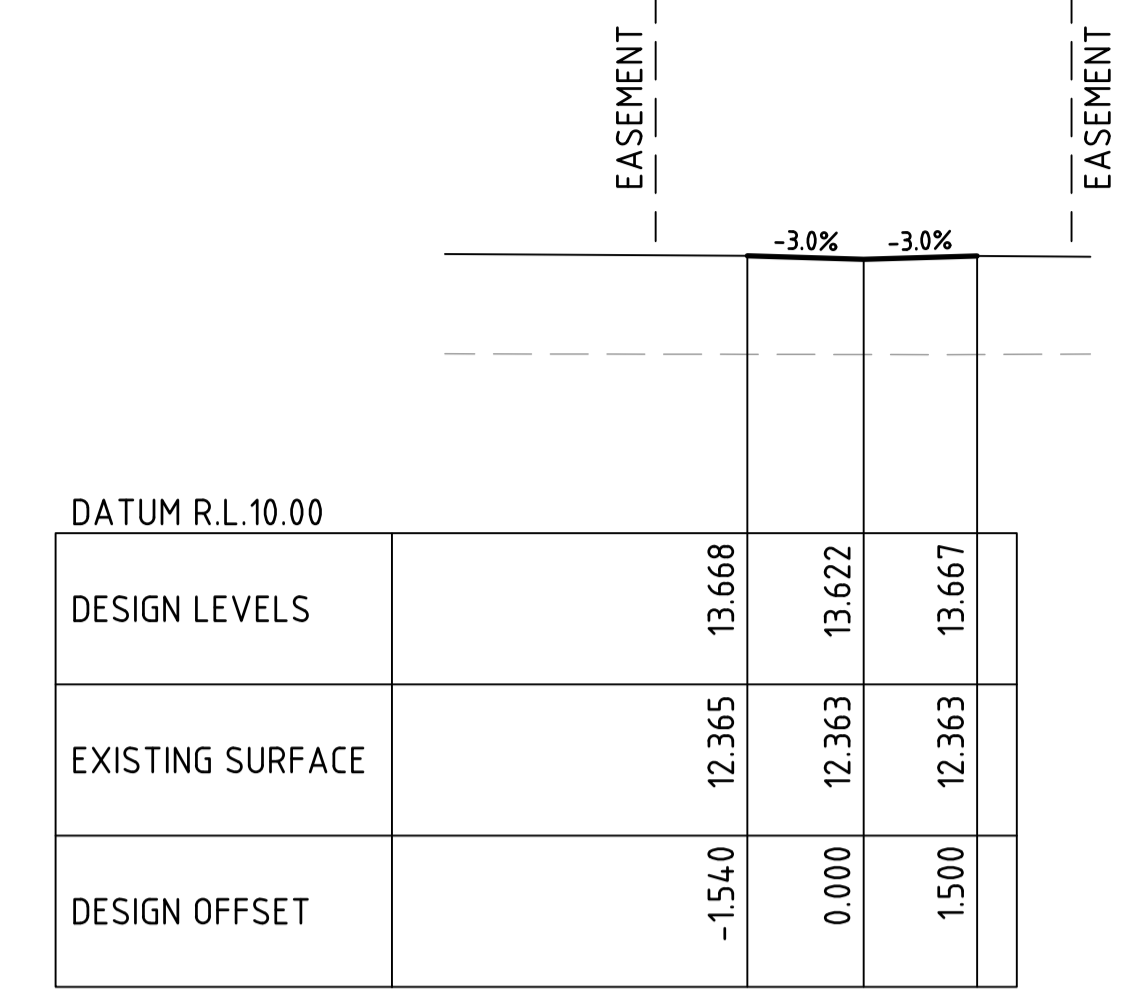
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CH 30



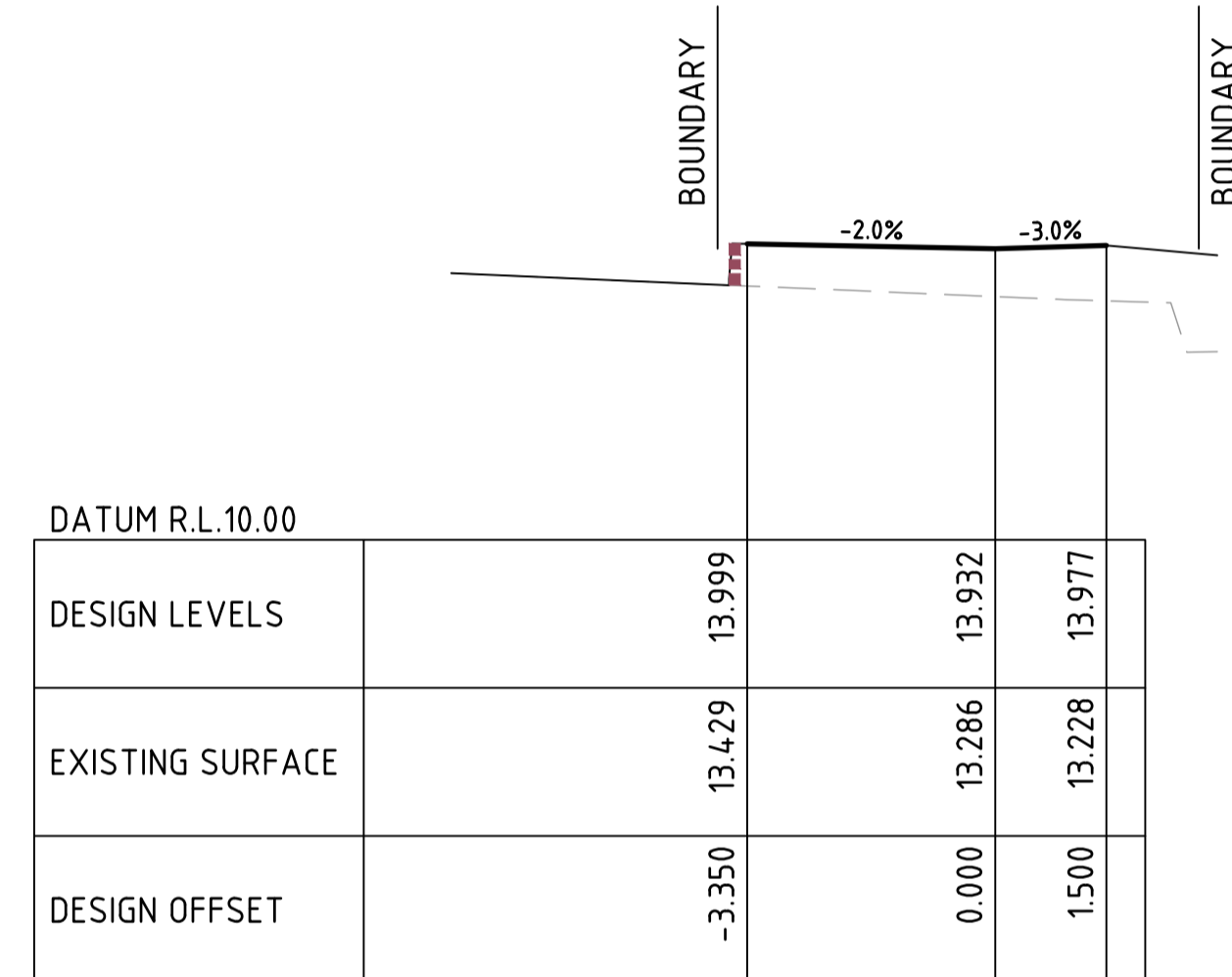
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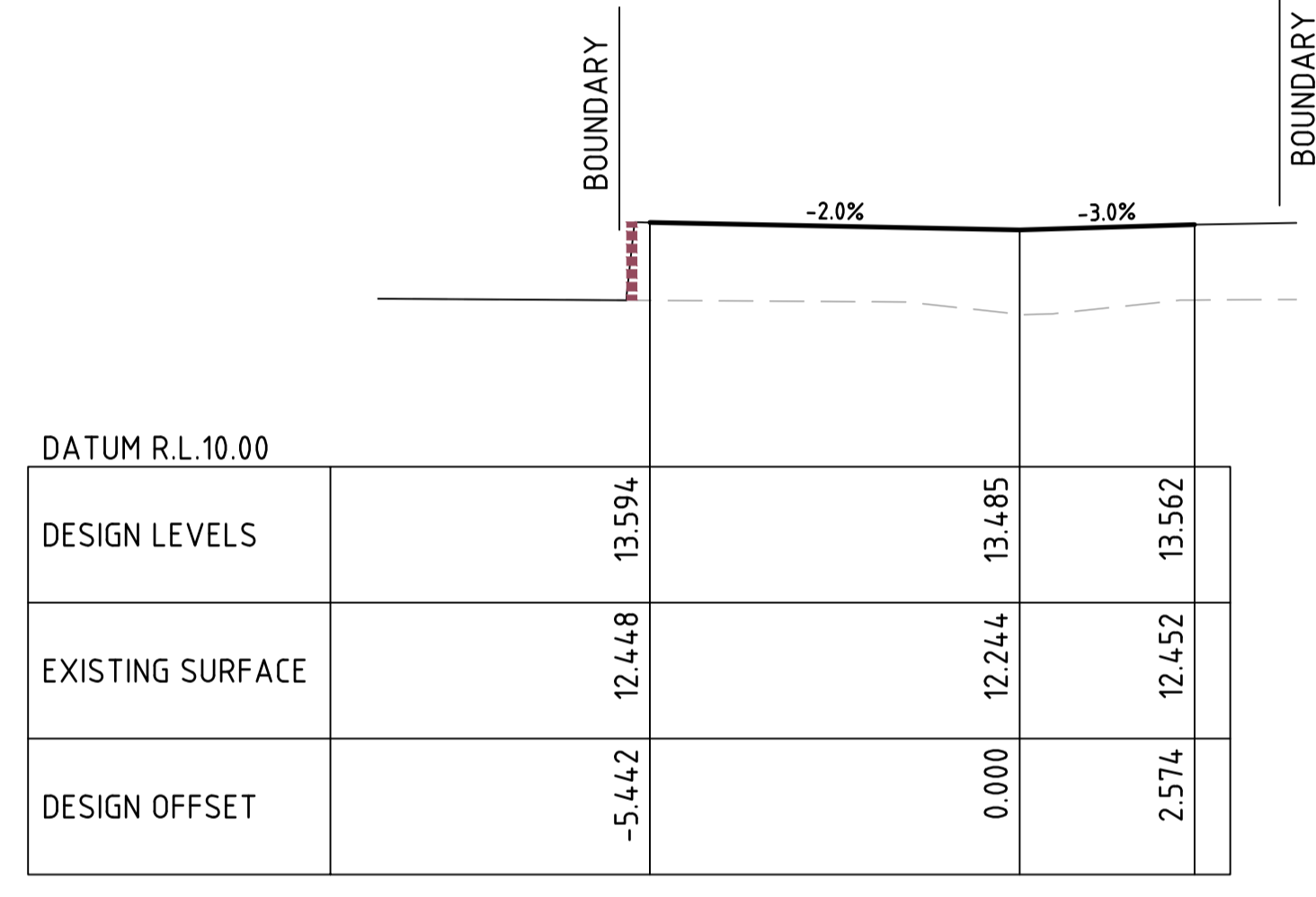
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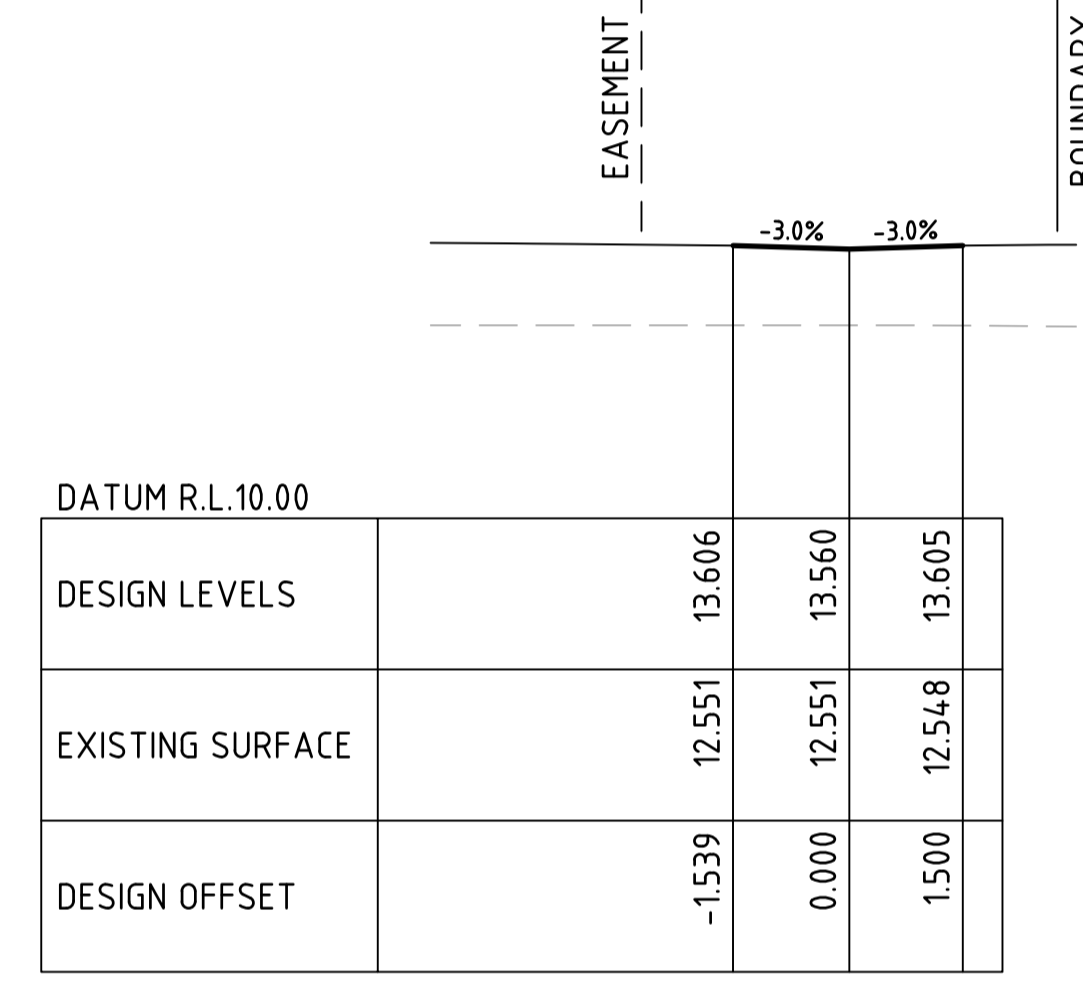
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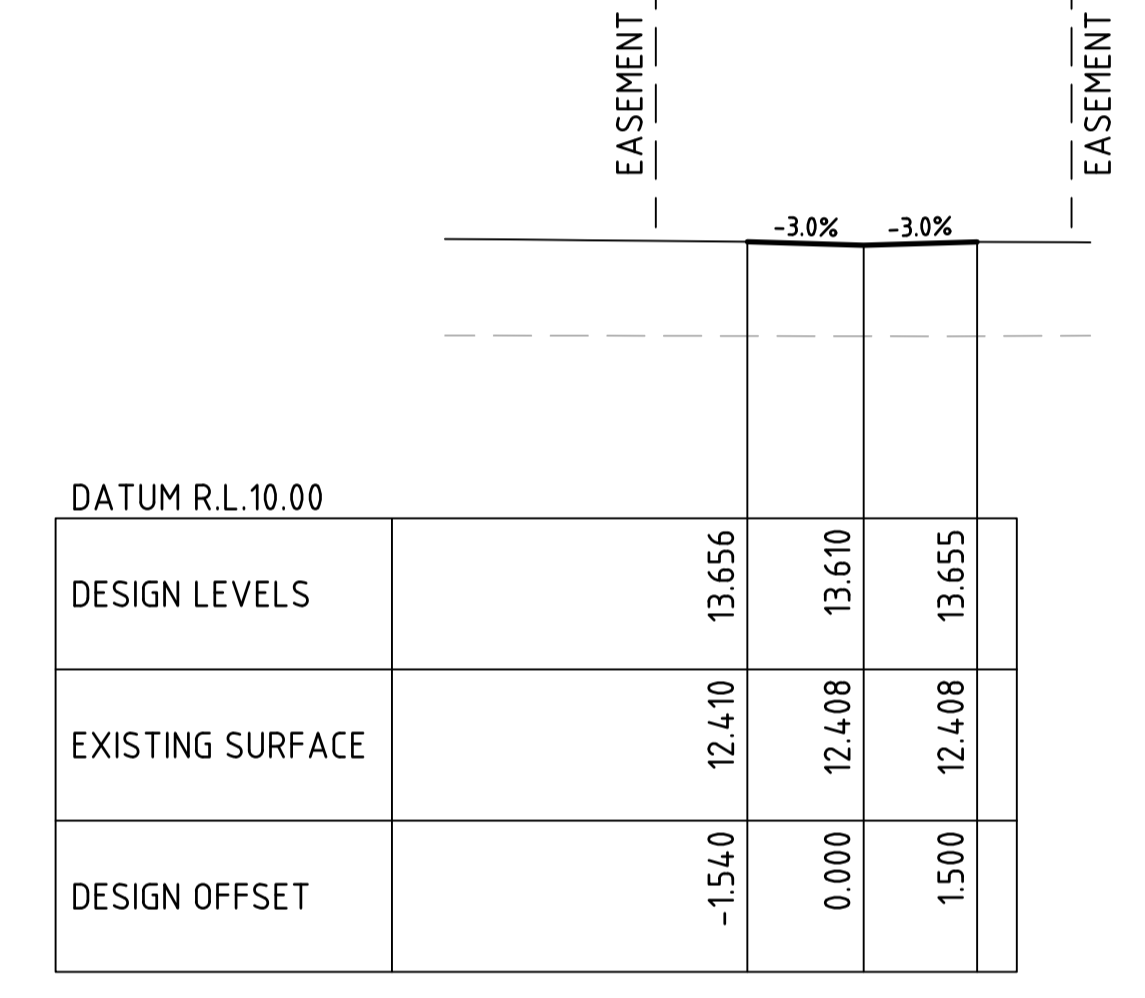
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CH 25



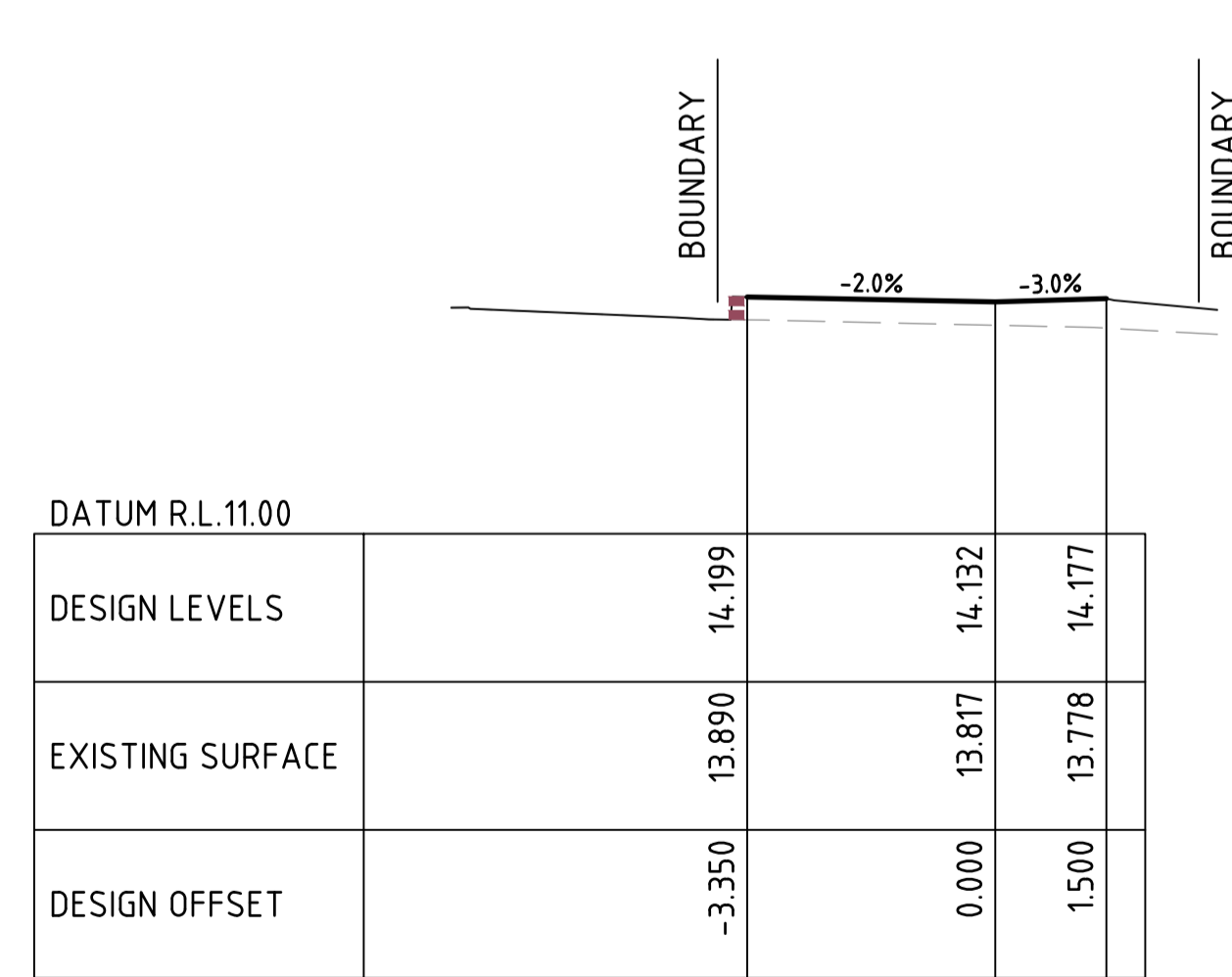
CH 40



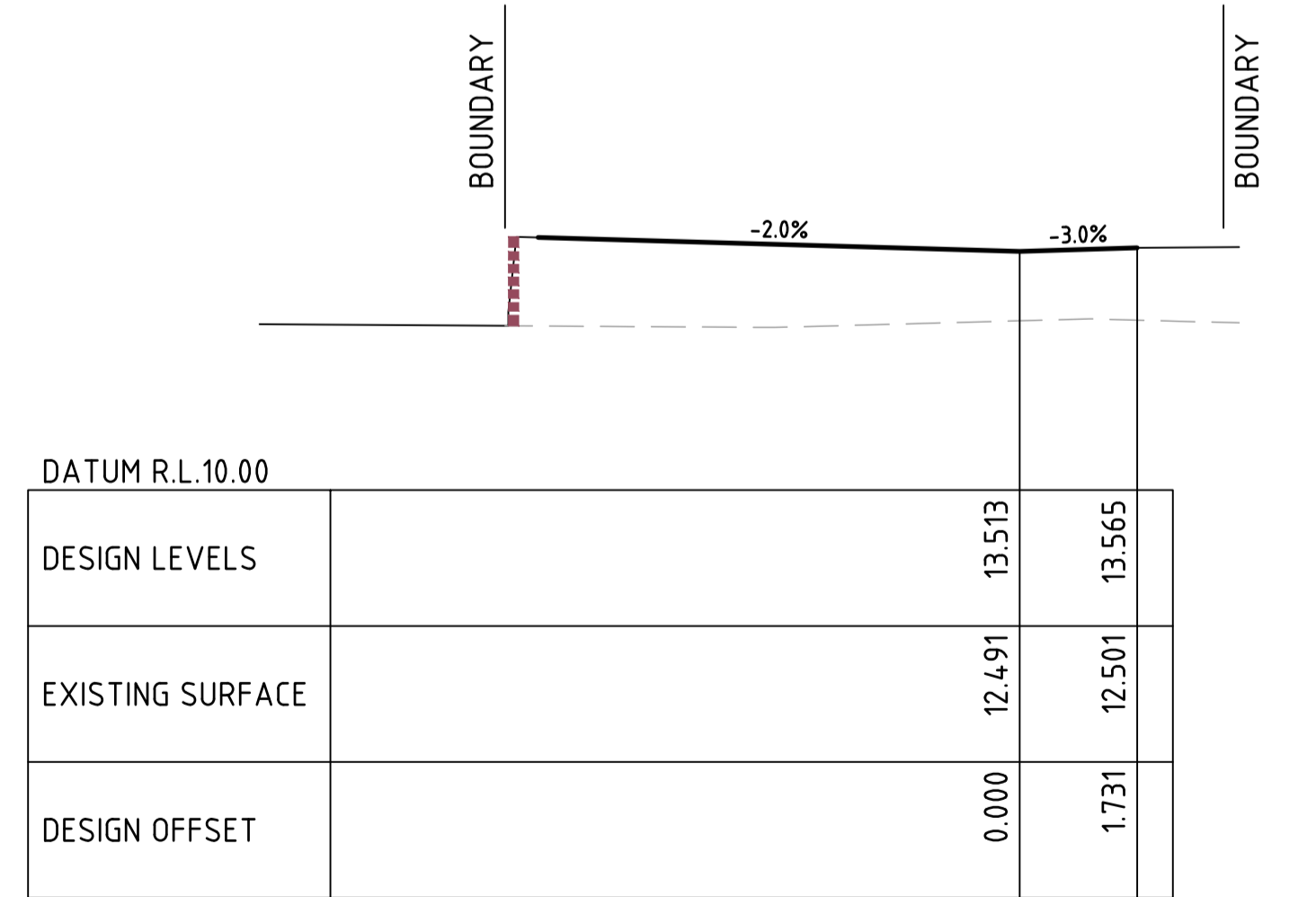
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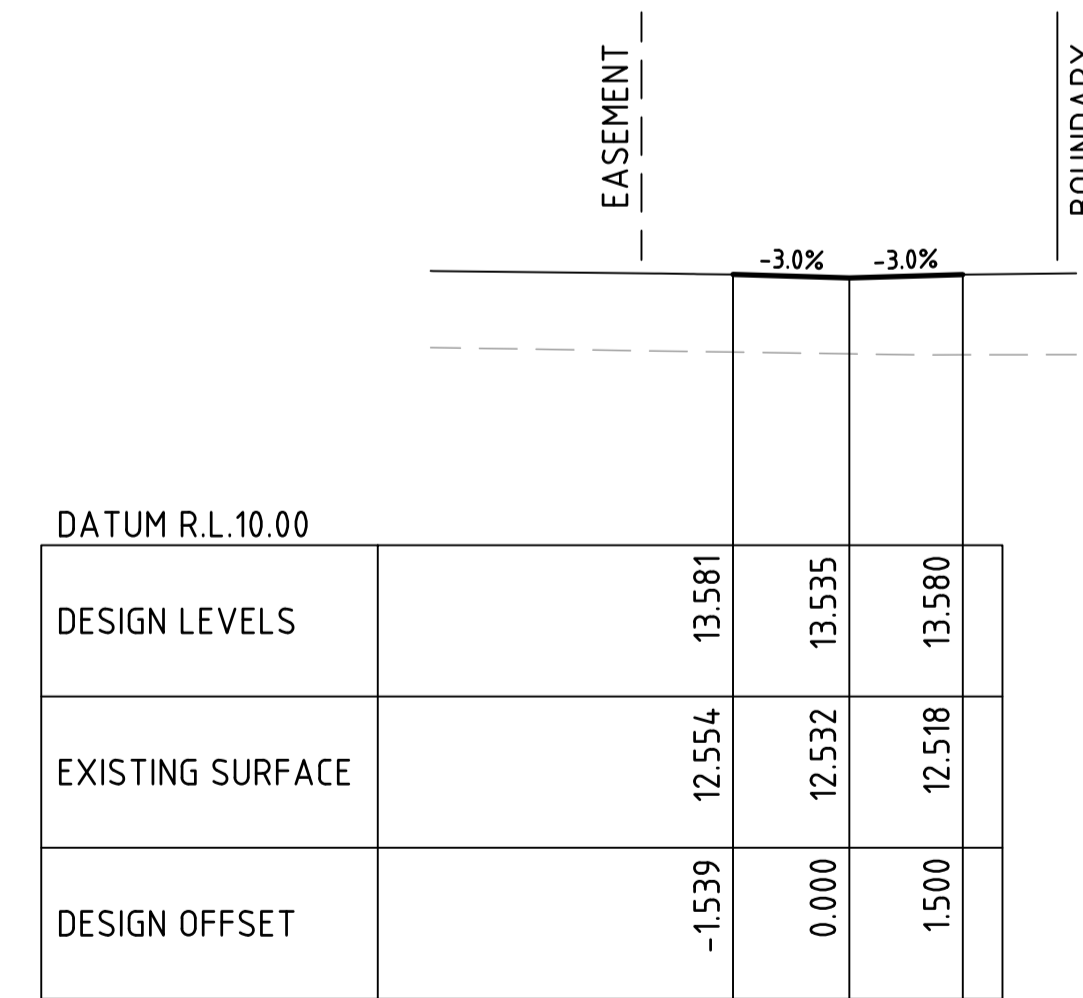
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CH 5



CH 20



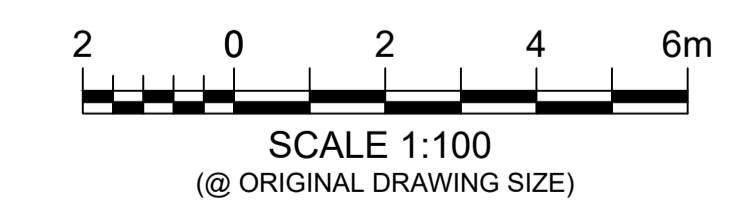
CH 35

F

G

LOGAN CITY COUNCIL
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H

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WIN HOUSING PROJECTS PTY LTD		
Rev	Description	Date
A	ISSUED FOR APPROVAL	Q.T. 15.02.23
DO NOT SCALE FROM DRAWING		

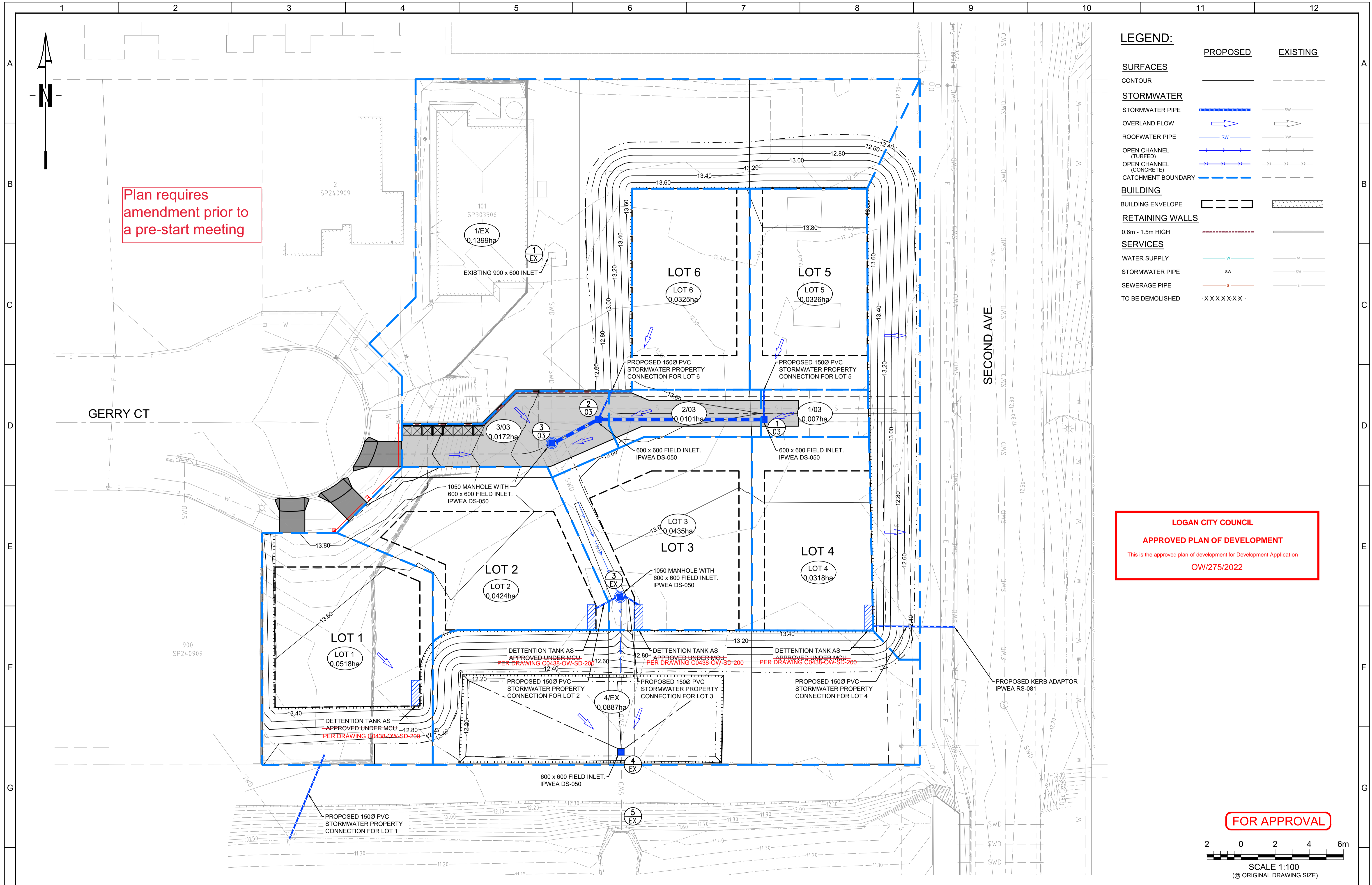
URBAN ENGINEERING SOLUTIONS
 CIVIL ENGINEERING DESIGN AND DOCUMENTATION
 SUBDIVISIONS — INDUSTRIAL — COMMERCIAL — TOURISM
 PO Box 1003 Lutwyche QLD 4030
 PH: 0488 998 776
 E: dpayne@urbanengineering.com.au

Drawn	Q.T.	Project 13 GERRY COURT, MARSDEN
Designed	D.P.	
Passed	<i>[Signature]</i>	
Checked	<i>[Signature]</i>	
Title		ROADWORKS DRIVEWAY CROSS SECTION

Drawing Number	
C0438-OW-RW-400	
Print Scale	Rev
A1	A

Drawing Number	
C0438-OW-RW-400	
Print Scale	Rev
A1	A

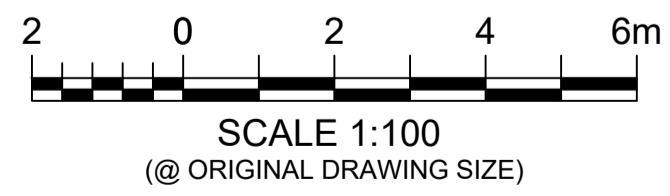
1 2 3 4 5 6 7 8 9 10 11 12



Plan requires amendment prior to a pre-start meeting

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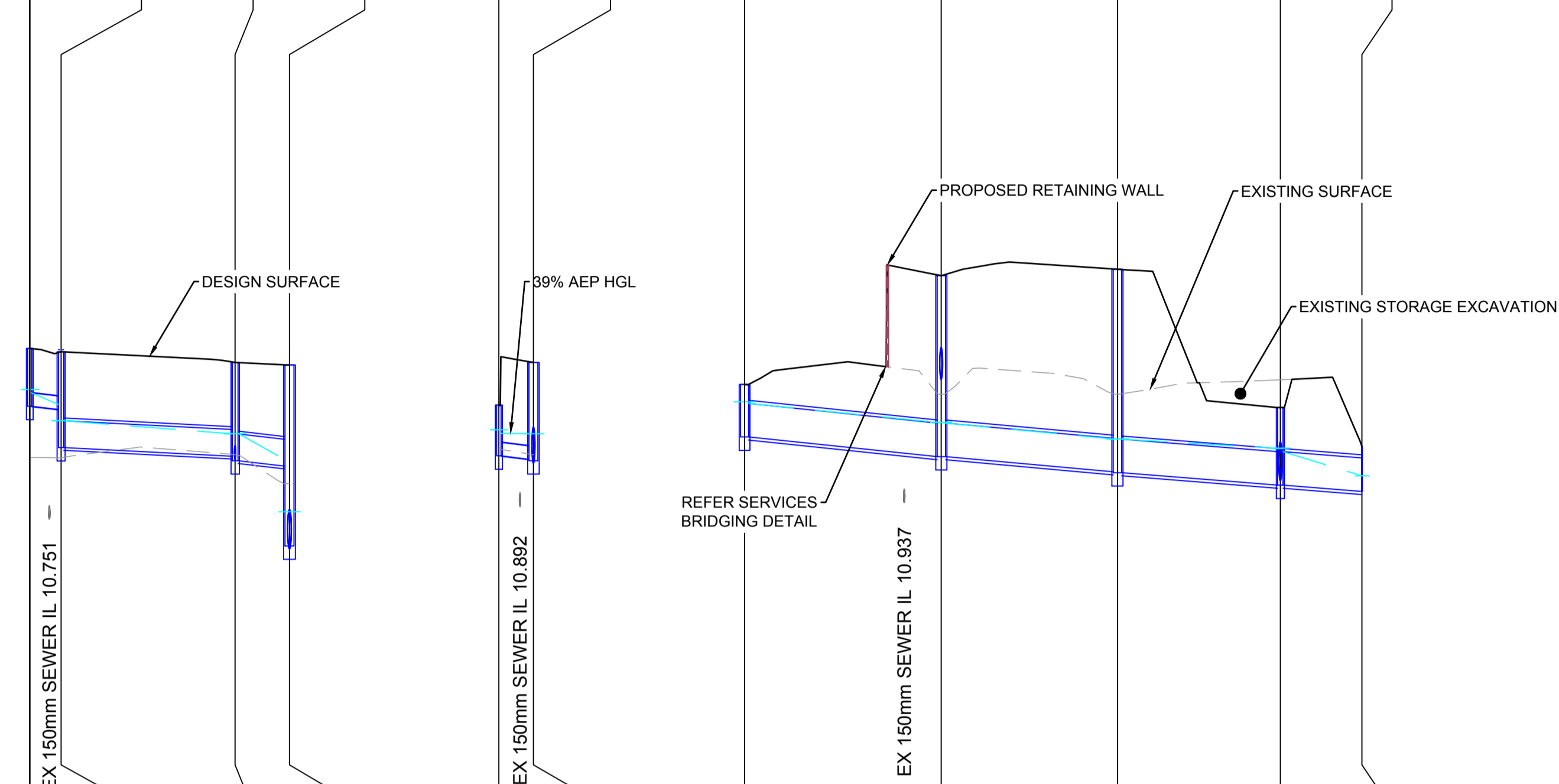


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A ISSUED FOR APPROVAL Rev Description	Q.T. 15.02.23 Date	DO NOT SCALE FROM DRAWING						

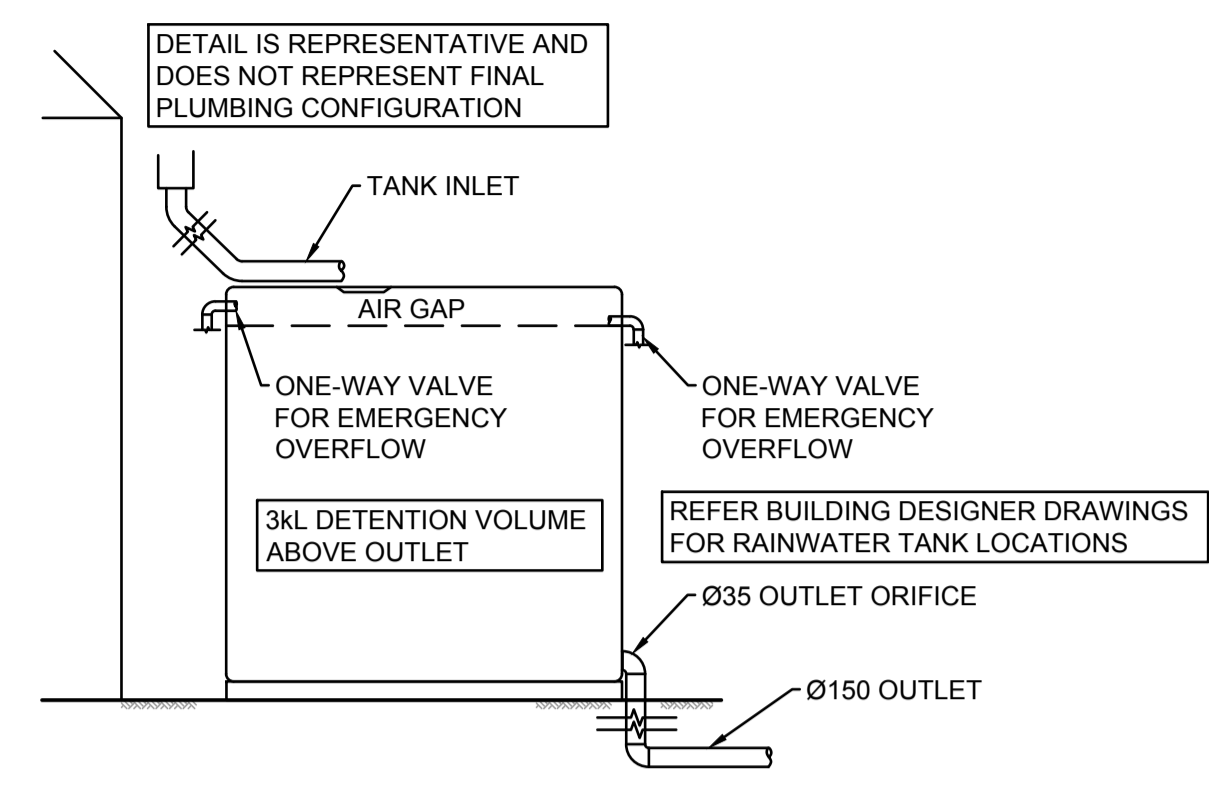
STRUCTURE NAME	L5	1/3	2/3	3/3
STRUCTURE DESCRIPTION	LOT CONNECTION STUB	600x600 FL IPWEA STD DWG DS-050	600x600 FL IPWEA STD DWG DS-050	1050 MANHOLE WITH 600x600 FL IPWEA STD DRW DS-050 RECONSTRUCT EXISTING TO COMPLY FOR DEPTH

L6	2/3
LOT CONNECTION STUB	IPWEA STD DWG DS-050 600x600 FL

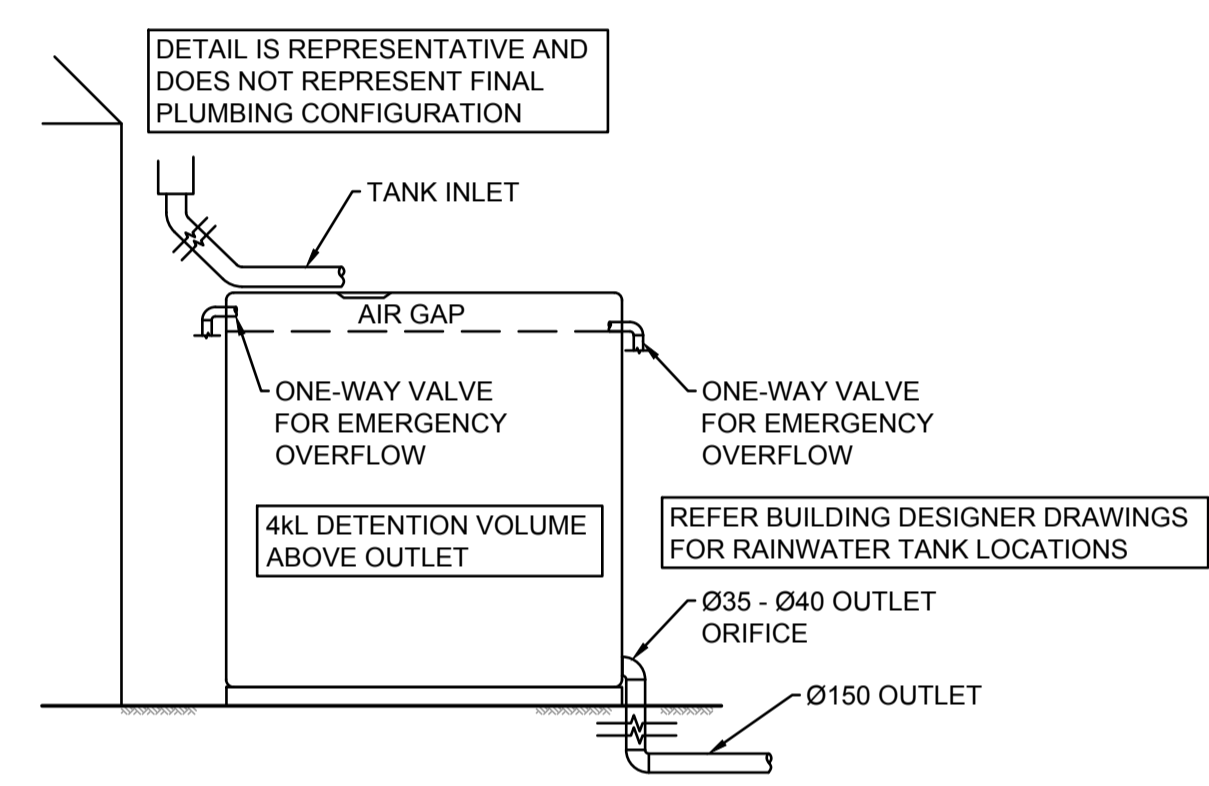
1/EX	3/3	3/EX	4/EX	5/EX
900x600 FL IPWEA STD DRW DS-050	1050 MANHOLE WITH 600x600 FL IPWEA STD DRW DS-050 RECONSTRUCT EXISTING TO COMPLY FOR DEPTH	1050 MANHOLE WITH 600x600 FL IPWEA STD DRW DS-050 RECONSTRUCT EXISTING TO COMPLY FOR DEPTH	600x600 FL IPWEA STD DWG DS-050	EXISTING HEADWALL



PIPE SIZE (mm)	150	300	300	150	375	375	375	375
PIPE CLASS	PVC	2	2	PVC	2	2	2	2
PIPE GRADE (%)	1.00%	0.50%	1.00%	1.00%	1.00%	0.86%	0.77%	0.77%
PIPE SLOPE (1 in X)	100.00	200.00	100.00	100.00	100.01	116.15	130.63	129.36
FULL PIPE VELOCITY (m/s)	0.33	0.10	0.21	0.33	0.23	0.39	0.38	0.80
PART FULL VELOCITY (m/s)	0.97	0.75	1.19	0.97	1.36	1.50	1.43	1.76
DATUM RL6.0				6.0	5.0			
PIPE FLOW (Cumecs)	0.006	0.007	0.015		0.025	0.043	0.042	0.088
W.S.E. IN STRUCTURE	13.202	12.853	12.706	12.750	12.063	11.833	11.647	11.543
HYDRAULIC GRADE LEVEL	13.163	13.034	12.706	12.710	12.045	11.833	11.647	11.506
DEPTH TO INVERT	0.648	0.646	1.100	0.569	0.588	2.026	2.277	0.869
INVERT LEVEL OF DRAIN	13.013	12.978	12.404	12.459	11.670	11.450	11.270	11.131
DESIGN SURFACE LEVEL	13.661	13.624	13.504	13.027	12.258	13.476	13.547	12.000
SETOUT COORDINATES	E832.184 N4840.441	E832.182 N4836.933	E812.714 N4836.935	E814.363 N4840.434	E807.280 N4834.182	E815.281 N4816.130	E815.395 N4797.919	E815.452 N4788.788
CHAINAGE	-2.768	3.508	19.468	0.000	22.002	19.746	41.748	18.211

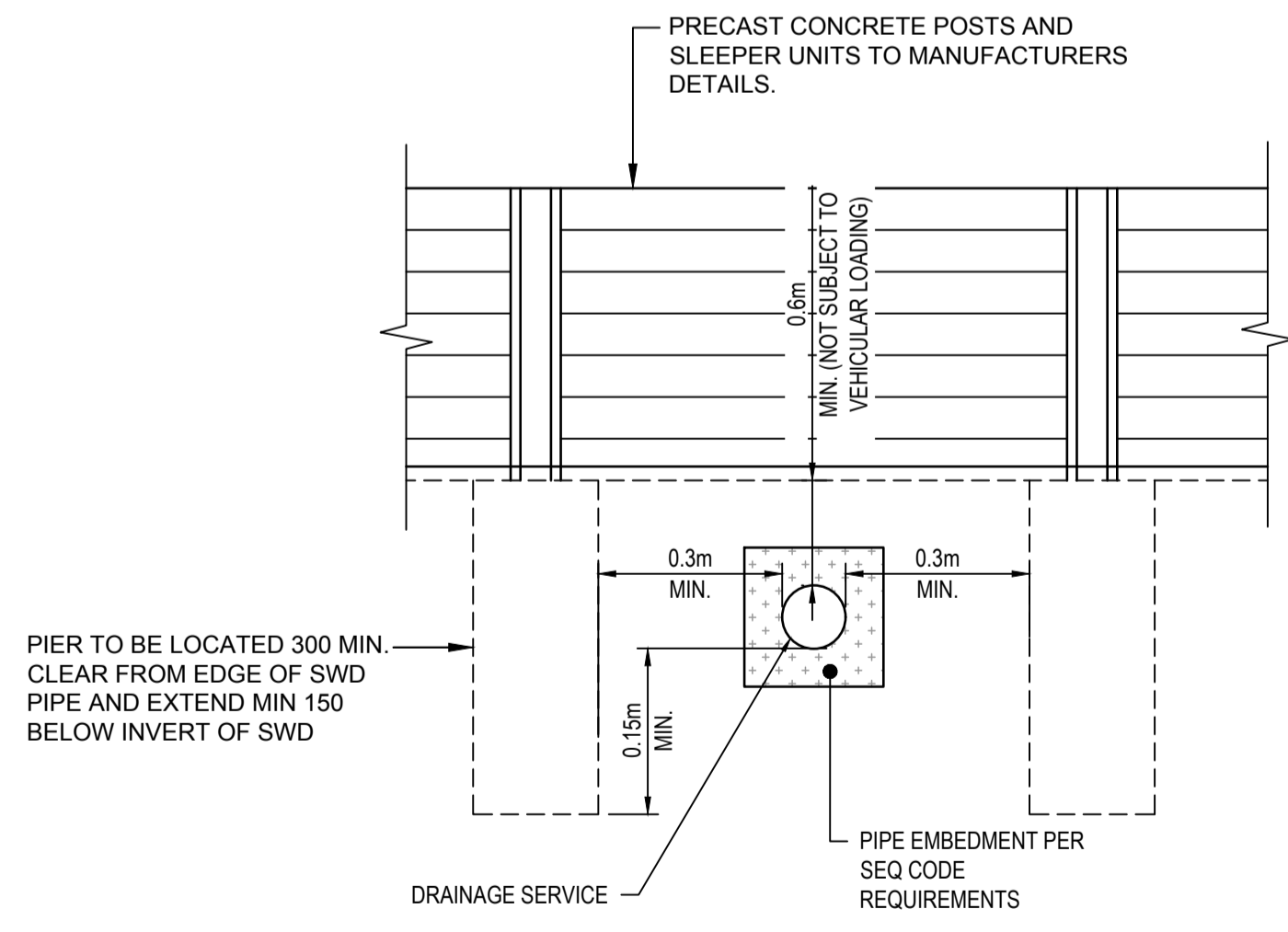


TYPICAL 3kL TANK DETAIL (LOT 1)
ABOVEGROUND DETENTION TANK
N.T.S.

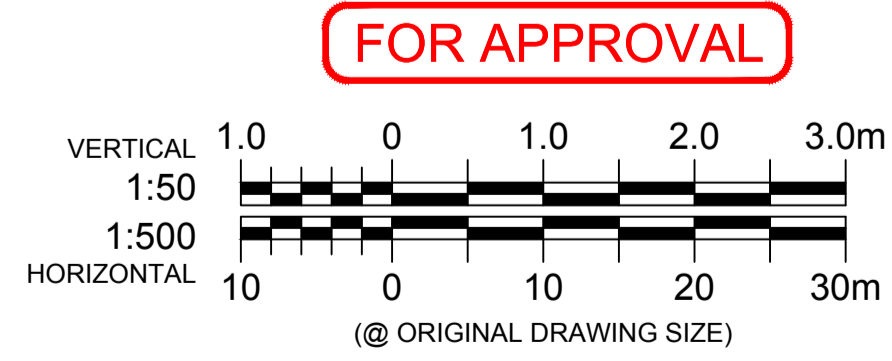


TYPICAL 4kL TANK DETAIL (LOTS 2-4)
ABOVEGROUND DETENTION TANK
N.T.S.

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STORMWATER BRIDGING DETAIL
FOR SEWER CROSSING UNDER CONCRETE SLEEPER WALL
N.T.S.



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Rev	Description	Date
B	ROOF WATER TANKS DETAIL ADDED	Q.T. 09.03.23
A	ISSUED FOR APPROVAL	Q.T. 15.02.23
DO NOT SCALE FROM DRAWING		

**WIN HOUSING
PROJECTS PTY LTD**

URBAN ENGINEERING SOLUTIONS
CIVIL ENGINEERING DESIGN AND DOCUMENTATION
SUBDIVISIONS - INDUSTRIAL - COMMERCIAL - TOURISM
PO Box 1003 Lutwyche QLD 4030
PH: 0488 998 775
E: dpayne@urbanengineering.com.au

Drawn	Q.T.	Project	13 GERRY COURT, MARSDEN
Designed	D.P.	Title	STORMWATER LONGITUDINAL SECTIONS AND DETAILS
Passed	<i>[Signature]</i>		
Checked	<i>[Signature]</i>		

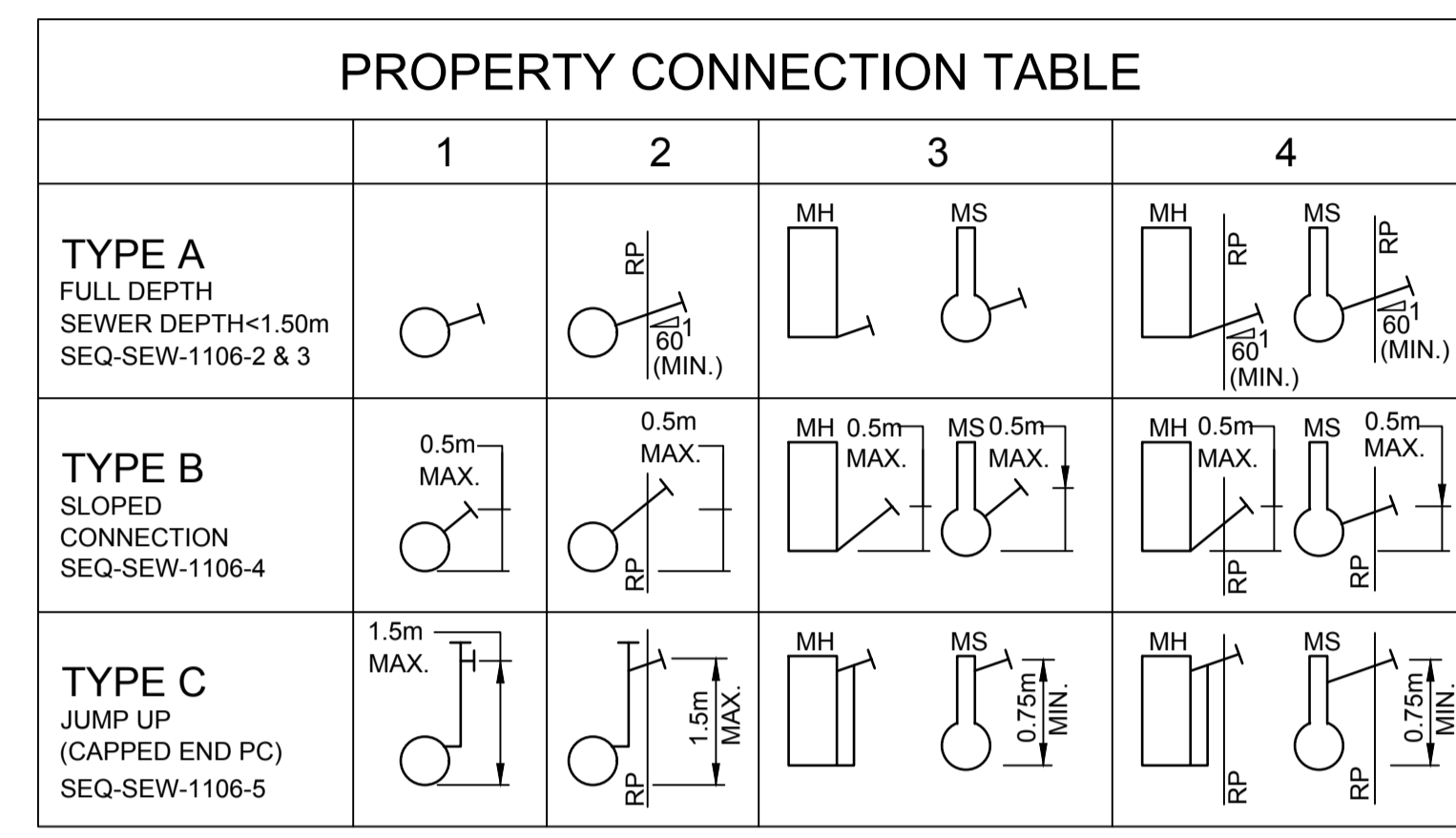
Drawing Number	C0438-OW-SD-200	
Print Scale	A1	Rev
		B

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LOCALITY PLAN
GOOGLE MAPS

NAME OF ESTATE	13 GERRY COURT, MARSDEN	
SUBDIVIDER	WIN HOUSING PROJECTS PTY LTD	
APPLICATION NUMBER	OW/275/2022	
SP DELEGATE	-	
APPROVAL DATE	-	
DRAWING/PLAN No.	C0438-OW-SE-001, OW-SE-100 AND OW-SE-200	
No. OF ALLOTMENTS.	6	
AREA IN Ha.	0.456 ha	
LENGTH OF SEWERS	DN160 PE	18.5 m



LIVE SEWER WORKS TABLE

NO.	DESCRIPTION	DIA SEWER	M.H. NO.	M.H. TYPE	COVER TYPE	LOT NO.	F.S.L.	E.S.L.	I.L.	DEPTH
1	CONTRACTOR TO BREAK INTO EXISTING MH EX/2 AND CONSTRUCT A 150mm SEWER MAIN LINE 1	DN150	-	-	-	LOT 101	13.723	13.723	11.478	2.244
2	CONTRACTOR TO BREAK INTO EXISTING MH EX/3 AND CONSTRUCT A 100mm STUB (TEMPORARILY END CAPPED) PRIOR TO START OF CONSTRUCTION.	DN100	-	-	-	LOT 5	12.886	12.334	11.572	1.316
3	CONTRACTOR TO CUT IN NEW DN100 PROPERTY CONNECTION TO EXISTING SEWER AND CAP FOR FUTURE CONNECTION.	DN100	-	-	-	LOT 3	13.601	12.489	12.102	1.500
		DN100	-	-	-	LOT 6	13.553	12.541	12.055	1.500
		DN100	-	-	-	LOT 4	12.248	12.248	11.408	0.84

LIVE WORKS CONNECTION:

- A PERMIT TO WORK MUST BE OBTAINED PRIOR TO COMMENCEMENT OF WORK AT SITE. A MINIMUM PERIOD OF TEN WORKING DAYS IS REQUIRED FOR THE ISSUING OF A PERMIT. CONTACT: DALodgements@logan.qld.gov.au
- LEVEL AND ALIGNMENT OF NEW MAIN TO SUIT LOCATION AND DEPTH OF EXISTING MAIN.
- LIVE WORKS CANNOT COMMENCE UNTIL NEW NETWORK INFRASTRUCTURE HAS BEEN TESTED, PASSED AND ACCEPTED.

Plan requires amendment prior to a pre-start meeting

ENVIRONMENTAL NOTES:

- VEGETATION PROTECTION**
- TREES LOCATED ALONG THE FOOTPATH SHALL BE, WHERE POSSIBLE TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
 - WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHOULD BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES MUST BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
 - TREE ROOTS SHOULD BE TUNNELLED UNDER, RATHER THEN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT COUNCIL ARBORIST FOR FURTHER ADVICE.
 - ANY TREE LOPPING REQUIRED SHALL BE UNDERTAKEN BY AN APPROVED ARBORIST.
- SOIL**
- TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
 - CARE SHOULD BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- CREEK CROSSINGS**
- SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
 - APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
 - NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.
- REHABILITATION**
- PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS ARE TO BE REINSTATED.
 - PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.
- SAFETY**
- ALL DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION.

IF DEVELOPMENT IS WITHIN A FIRE ANT ZONE MANAGEMENT AND DISPOSAL OF SOIL SHOULD BE CARRIED OUT AS PER THE RELEVANT AUTHORITIES REQUIREMENTS.

ALL LIVE WORKS ON EXISTING SEWER TO BE CARRIED OUT BY THE CONTRACTOR IN ACCORDANCE WITH A VALID NETWORK ACCESS PERMIT AT DEVELOPERS COST.

ALL ENVIRONMENT PROTECTION MEASURES SHOULD BE IMPLEMENTED PRIOR TO COMMENCING ANY CONSTRUCTION WORK, INCLUDING CLEARING.

ALL WATER AND SEWER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION. PH: 1300 156 426

PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1:60 AND A MAXIMUM DEPTH OF PROPERTY CONNECTION AT 1.50m UNLESS NOTED OTHERWISE.

WHERE THE SEWER CROSSES UNDER A RETAINING WALL, AN RPEQ CERTIFICATE SHALL BE PROVIDED TO LOGAN CITY COUNCIL VERIFYING THE STRUCTURAL INTEGRITY OF THE SEWER. WHERE SEWER CROSSES UNDER A BOULDER RETAINING WALL, A CONCRETE BRIDGING SLAB SHALL BE PLACED OVER THE SEWER AND AN RPEQ CERTIFICATE PROVIDED TO LOGAN CITY COUNCIL FOR THE SLAB DESIGN AND THE INTEGRITY OF THE SEWER. IN ADDITION, A SEPARATE BUILD OVER ASSET APPROVAL MAY BE REQUIRED TO COMPLY WITH BUILD OVER ASSET REQUIREMENTS, REFER SEQ SEWERAGE CODE CLAUSE 4.4.4.

ALL SEWERS AND MAINTENANCE STRUCTURES SHALL BE INSPECTED BY CCTV. THE FIRST CCTV INSPECTION SHALL BE MADE PRIOR TO COMMISSIONING AFTER ALL BACKFILLING OPERATIONS HAVE BEEN SATISFACTORILY COMPLETED AND ALL JUNCTIONS HAVE BEEN INSTALLED. A SECOND CCTV INSPECTION IS REQUIRED PRIOR TO, BUT NOT MORE THAN TWO WEEKS BEFORE, THE ON-SITE INSPECTION FOR 'OFF MAINTENANCE' CERTIFICATION. CCTV EQUIPMENT IN ACCORDANCE WITH SECTION 21.8 OF THE SEQ SEWER CODE AND THE WSAA CONDUIT INSPECTION REPORTING CODE OF AUSTRALIA WSA 05 AND THE RESULTS SUBMITTED TO QUEENSLAND LOGAN CITY COUNCIL FOR COMPLIANCE CHECKING.

GENERAL NOTES:

- THE CONTRACTOR IS TO ASCERTAIN THE EXACT LOCATION OF ALL SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE RECTIFICATION OF ANY DAMAGES TO EXISTING SERVICES WHICH MAY OCCUR. THE LOCATION OF EXISTING SERVICES ON THESE DRAWINGS IS APPROXIMATE ONLY.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND CODE SPECIFICATIONS AND STANDARDS.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING SHALL BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. SEWERAGE WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT INTO THE SEQ SERVICE PROVIDER SEWERAGE SYSTEM.
- ALL WORKS ASSOCIATED WITH LIVE SEWER MAINTENANCE HOLES OR MAINTENANCE SHAFTS SHALL BE CARRIED OUT BY DEVELOPERS LICENSED CONTRACTOR IN ACCORDANCE WITH A VALID LOGAN CITY COUNCIL NETWORK ACCESS PERMIT.
- ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE 'ACCEPTABLE PRODUCTS AND MATERIALS' LIST (IPAM LIST).
- EACH ALLOTMENT SHALL BE SERVED BY A DN110 PE100 SDR21 PROPERTY CONNECTION. FOR ALLOTMENTS OTHER THAN SINGLE RESIDENTIAL, A DN160 PE100 SDR21 PROPERTY CONNECTION SHALL BE PROVIDED.
- PROPERTY CONNECTIONS SHALL BE LOCATED WITHIN THE PROPERTY AS SHOWN ON THE DRAWINGS.
- PROPERTY CONNECTION BRANCHES SHALL EXTEND INTO THE PROPERTY A MINIMUM OF 300mm AND A MAXIMUM OF 750mm.
- CONSTRUCT PROPERTY CONNECTIONS TO SEQ-SEW-1106-1 to 1106-6.
- CONSTRUCT EMBEDMENT AND TRENCH FILL TO SEQ-SEW-1200-2, 1201-1 to 1205-1 (TYPE 3 SUPPORT MINIMUM) AND LOGAN CITY COUNCIL STANDARD FOR ROAD CROSSING.
- INSTALL DETECTABLE MARKER TAPE ON ALL SEWER MAIN AND PROPERTY CONNECTIONS IN ACCORDANCE WITH LOGAN CITY COUNCIL GUIDELINES SECTION 8.1-5.5.
- WHERE PIPES ARE LAID IN FILL, THE FILLING SHALL BE CARRIED OUT IN LAYERS NOT EXCEEDING 300mm (LOOSE) IN DEPTH AND SHALL BE COMPACTED UNTIL THE COMPACTION IS NOT LESS THAN 95% OF THE MATERIALS MAXIMUM COMPACTION WHEN TESTED IN ACCORDANCE WITH A.S. 1289 (MODIFIED COMPACTION). TESTING SHALL BE CARRIED OUT AFTER EACH ALTERNATE LAYER. IN ALL SUCH CASES APPROVAL OF CONSTRUCTED SEWERS WILL NOT BE ISSUED BY THE SEQ SERVICE PROVIDER UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
- WHERE SEWERS HAVE A GRADE OF 1 in 20 OR STEEPER, BULKHEADS OR TRENCH STOPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEQ-SEW-1206-1, AND TRENCH DRAINS TO SEQ-SEW-1207-1.
- MAINTENANCE STRUCTURES TO BE PE LINED WHERE REQUIRED BY SEQ CODE CLAUSE 7.6.2.
- CONSTRUCT TYPE 'G' MAINTENANCE HOLES TO SEQ-SEW-1301-1, 1301-2 & 1301-3.
- CONSTRUCT MAINTENANCE SHAFTS TO SEQ-SEW-1315-1, 1316-1 AND 1502-1.
- MAINTENANCE HOLE JUNCTIONS TO BE IN ACCORDANCE WITH SEQ-SEW-1304-1, 1305-1, 1307-4 & FOR TYPE 'X' MH'S SEQ-SEW-1301-10.
- MAINTENANCE HOLE CONNECTIONS TO BE IN ACCORDANCE WITH SEQ-SEW-1313-1 & 1307-4 (EXISTING CUT-INS).
- LADDERS TO BE INSTALLED IN ACCORDANCE WITH SEQ-SEW-1301-12 WHERE REQUIRED.
- DROP PIPE BRACKETS TO BE INSTALLED IN ACCORDANCE WITH SEQ-SEW-1303-4.
- INSTALL MAINTENANCE HOLES/SHAFTS TYPE B COVERS TO SEQ-SEW-1308-2 to 1308-7.
- INSTALL MAINTENANCE HOLES/SHAFTS TYPE D COVERS TO SEQ-SEW-1308-8 to 1308-11.
- SEWERS SHALL BE DISUSED / ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ CODE CLAUSE 5.2.9.
- BENCH MARK AND LEVELS TO AHD.

RP DESCRIPTION

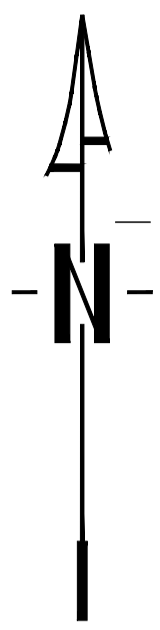
LOT 14 ON SP240909 & 102 ON SP303506

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URBAN ENGINEERING SOLUTIONS PTY. LTD.
 CONTACT: Mr. DEAN PAYNE
 TELEPHONE: 0488 998 776

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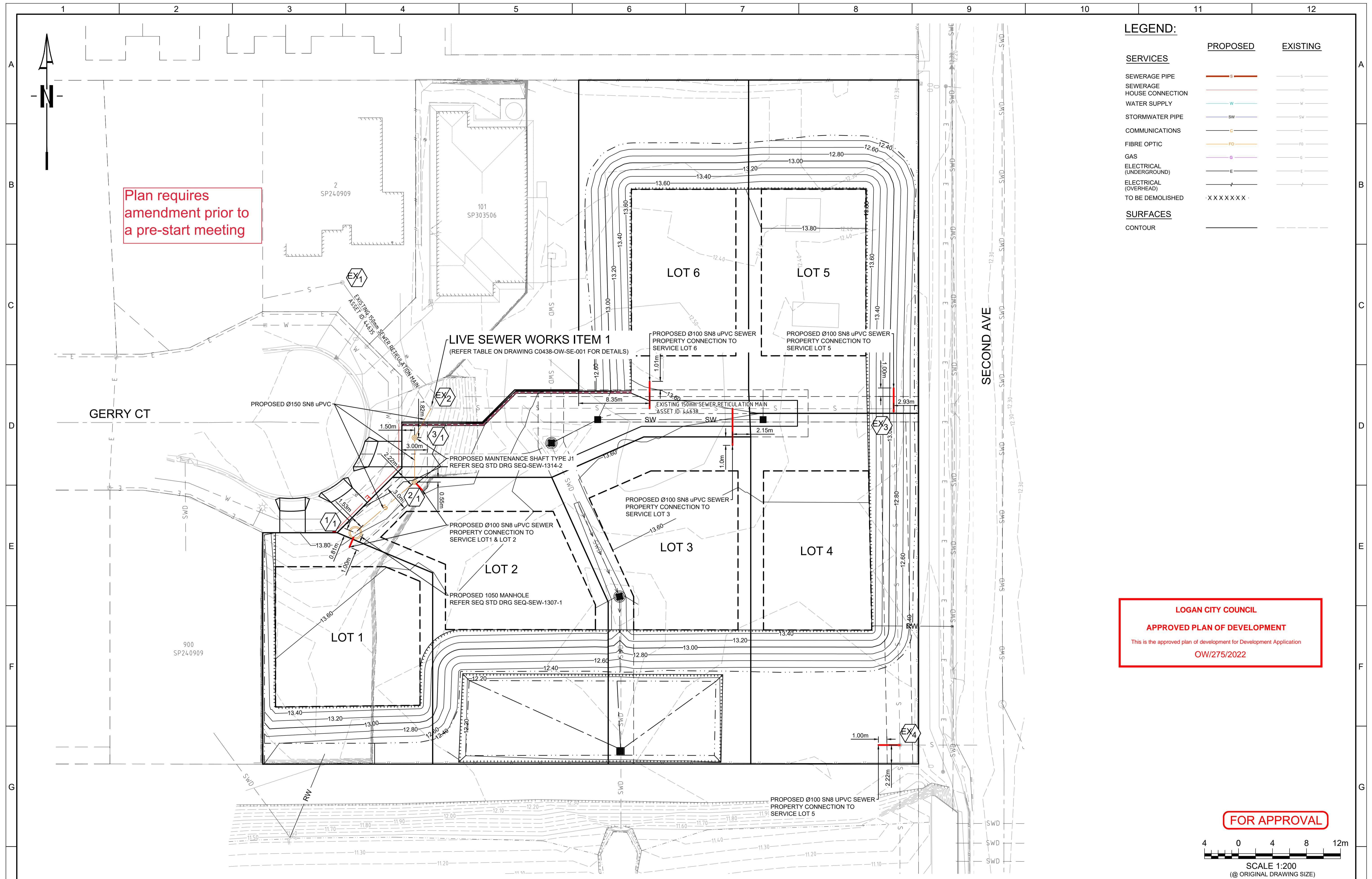
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Q.T.				Designed		D.P.	Title	SEWERAGE LOCALITY PLAN AND NOTES		Print Scale	A1	Rev	A
A	ISSUED FOR APPROVAL	Q.T.	15.02.23	DO NOT SCALE FROM DRAWING		Passed							
Rev	Description	Date			Checked								



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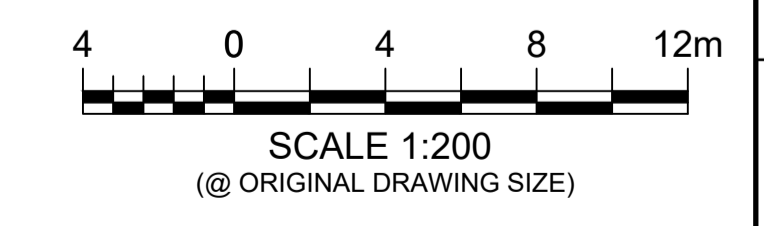
LEGEND:

SERVICES	PROPOSED	EXISTING
SEWERAGE PIPE		
SEWERAGE HOUSE CONNECTION		
WATER SUPPLY		
STORMWATER PIPE		
COMMUNICATIONS		
FIBRE OPTIC		
GAS		
ELECTRICAL (UNDERGROUND)		
ELECTRICAL (OVERHEAD)		
TO BE DEMOLISHED		
SURFACES		
CONTOUR		



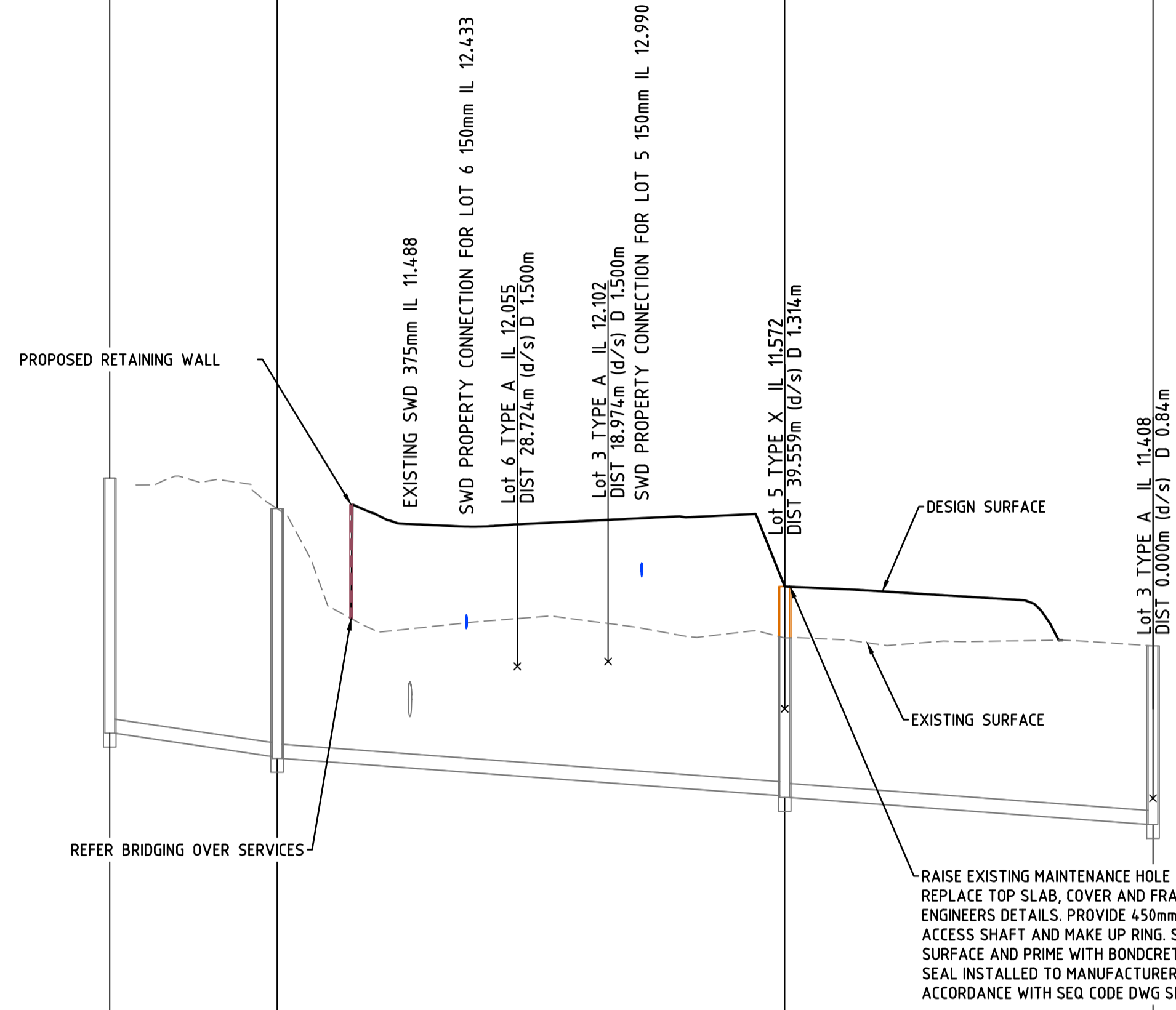
LOGAN CITY COUNCIL
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Rev	Description	Date	DO NOT SCALE FROM DRAWING					
A	ISSUED FOR APPROVAL	15.02.23						

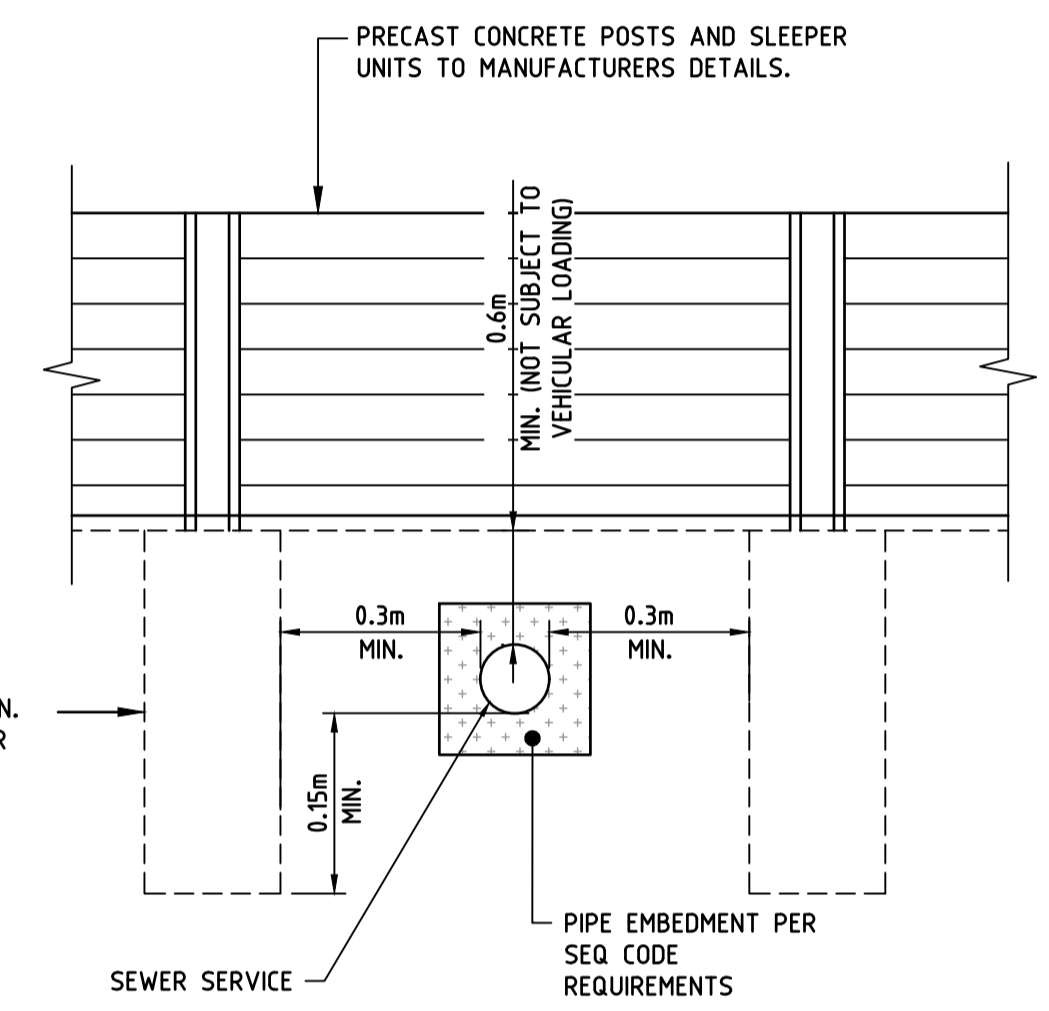
MAINTENANCE HOLE/SHAFT No.	EX/1	EX/2	EX/3	EX/4
MH/MS COVER TYPE	EX	EX	EX	EX
MH/MS TYPE	EX	EX	EX	EX
BRANCH DROP TYPE				
BRANCH LINE No.				
PROPERTY CONNECTION TYPE				



DATUM	7.000		
PROP. DESCRIPTION	101SP303506	102SP303506	14SP240909
PIPE NOMINAL DIAMETER (DN) TYPE, CLASS	EX DN 150PVC-U		
GRADE (1 IN XX)	1 in 71.92	1 in 136	1 in 137
LENGTH	17.979	54.525	39.559
EMBEDMENT TYPE			
DEPTH OF INVERT BELOW FSL	2.740	2.663	1.917
INVERT LEVEL (IL)	11.310	11.060	10.330
FINISHED SURFACE LEVEL (FSL)	14.050	13.723	12.248
EXISTING SURFACE LEVEL (ESL)	14.050	13.723	12.248
CHAINAGE (CH)	0.000	17.979	112.063

LOT	DR	101SP303506
LOT 2	DR	101SP303506
DN	150 uPVC SN8	
GRADE	1 in 100	1 in 100
LENGTH	9.193	5.203
EMBEDMENT TYPE	TYPE 3	
DEPTH OF INVERT BELOW FSL	2.130	2.376
INVERT LEVEL (IL)	11.690	11.599
FINISHED SURFACE LEVEL (FSL)	13.821	13.975
EXISTING SURFACE LEVEL (ESL)	13.821	13.975
CHAINAGE (CH)	0.000	9.193

Plan requires amendment prior to a pre-start meeting



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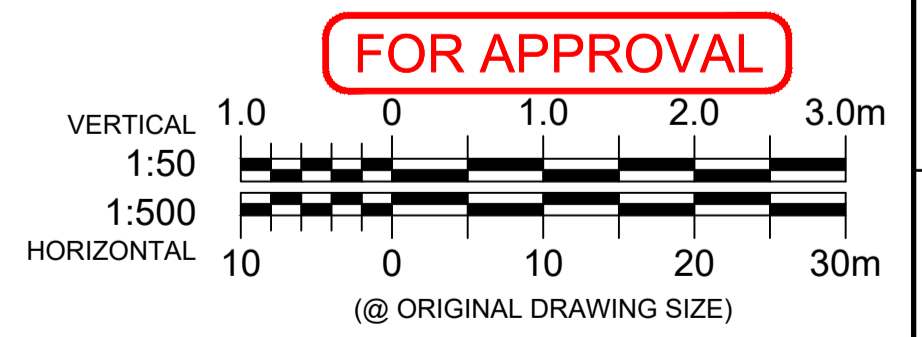
RIGS STRUCTURE DROPS	
V	STRAIGHT THROUGH SEWER SEQ DWG SEQ-SEW-1303-1
W	OBLIQUE BACKDROP SEQ DWG SEQ-SEW-1303-1
X	INTERNAL BACKDROP SEQ DWG SEQ-SEW-1303-1
Y	EXTERNAL BACKDROP SEQ DWG SEQ-SEW-1303-1

RIGS STRUCTURE LIDS	
B	NON-TRAFFICABLE LID
D	TRAFFICABLE LID

RIGS STRUCTURE TYPES	
A	TYPE "A" 1000mm DIA. CAST IN-SITU MAINTENANCE STRUCTURE SEQ DWG SEQ-SEW-1307-1
J1	TYPE "J1" MAINTENANCE STRUCTURE SEQ DWG SEQ-SEW-1314-2

RIGS PROPERTY CONNECTION TYPES	
A	STANDARD AND EXTENDED SEQ DWG SEQ-SEW-1104-1
B	SLOPED CONNECTION SEQ DWG SEQ-SEW-1104-1
D	VERTICAL RISER SEQ DWG SEQ-SEW-1105-1
V	STRAIGHT THROUGH SEWER SEQ DWG SEQ-SEW-1303-1
X	INTERNAL BACKDROP SEQ DWG SEQ-SEW-1303-1
Z	RISER CONNECTION TO PORTION OF MAINTENANCE SHAFT, SEQ-SEW-1314-1

RIGS GENERAL NOTES	
1	ALL uPVC SEWER PIPE TO BE CLASS SN8 WITH EXCEPTION OF PROPERTY CONNECTIONS.
2	EMBEDMENT TYPES ARE TO BE AS INDICATED ON LONGITUDINAL SECTIONS AND SEQ-SEW-1201-1
3	ALL BENDS TO BE LONG RADIUS BEND, 3.0m RADIUS.
4	ALL MAINTENANCE SHAFTS (MS) TO BE 300mm Ø RISER UNLESS NOTED OTHERWISE.
5	CONTRACTOR TO VERIFY DOWNSTREAM EXISTING PIPE LEVELS PRIOR TO COMMENCEMENT OF PIPEWORK.
6	POLYETHYLENE (PE) LINING TO BE INSTALLED TO MAINTENANCE STRUCTURES GREATER THAN 4.0 METRES IN DEPTH. REFER LONGITUDINAL SECTIONS. REFER SEQ-SPS-1407-1-A & 2-B
7	WHERE NOTED ON THE DRAWINGS, CONTRACTOR TO CONSTRUCT BRIDGING SLAB SPANNING THE SEWER TRENCH.
8	WHERE NOTED ON THE DRAWINGS, TRENCHSTOPS, BULKHEADS AND CONCRETE ENCASUREMENTS TO BE INSTALLED IN ACCORDANCE WITH SEQ SEWER CODE.
9	ALL PROPERTY CONNECTIONS TO BE 100 Ø uPVC CLASS SN6 UNLESS NOTED OTHERWISE.
10	DESIGN OF DEEP SEWER GREATER THAN 5 METRES TO BE CARRIED OUT BY A SUITABLY QUALIFIED STRUCTURAL ENGINEER IN ACCORDANCE WITH SEQ SEWER CODE CLAUSE 4.6.2.2 AND PE LINING REQUIREMENTS.
11	WHERE NOTED ON THE DRAWINGS, CIVIL CONTRACTOR TO STRADDLE SEWER PIPE EQUI-DISTANCE WITH COLUMN SPACING IN SLEEPER WALL CONSTRUCTION. REFER DETAIL DWG C605



LINE EX	E782.693 N4853.073	E793.021 N4838.355	E84.7545 N4838.208	E848.286 N4798.657	LINE 1	E784.201 N4823.615	E791.171 N4827.609	E791.17 N4834.811	E793.021 N4838.355
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ISSUED FOR APPROVAL	Q.T.	15.02.23			Designed: D.P.		Title: SEWERAGE LONGITUDINAL SECTIONS	Print Scale: A1		
Rev	Description	Date	DO NOT SCALE FROM DRAWING		Checked: [Signature]				Rev: A	

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LOCALITY PLAN
GOOGLE MAPS

ASSET REGISTER WATER RETICULATION				
ESTATE / STAGE		-		
SITE ADDRESS		13 GERRY COURT, MARSDEN		
FILE / APPLICATION		OW/275/2022		
DELEGATES APP. DATE		---		
CLIENT		WIN HOUSING PROJECTS PTY LTD		
DRAWING/ PLAN No.		C0438-OW-WS-001, OW-WS-100, OW-WS-101 & OW-WS-200		
MAINS.	DIAMETER	MATERIAL DESIGN CONST	LENGTH DESIGN CONST	
	DN63			
	DN125			
	DN160			
	DN180			
SERVICES.	DIAMETER	MATERIAL DESIGN CONST	LENGTH DESIGN CONST	
	DN25	6	16.0m	
	DN32			
	DN40			
METERS.	DIAMETER	NUMBER		
	20	6		
	25			
	32			

SERVICE DETAILS		
NO.	SIZE	LOT NUMBERS
	DN40	
	DN32	
1	DN25	LOT 1 - 6
	OTHER	
	32mm	

ENVIRONMENTAL NOTES:

VEGETATION PROTECTION

- TREES LOCATED ALONG THE FOOTPATH SHALL BE, WHERE POSSIBLE TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHOULD BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES MUST BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- TREE ROOTS SHOULD BE TUNNELLED UNDER, RATHER THEN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE, CONTACT COUNCIL ARBORIST FOR FURTHER ADVICE.
- ANY TREE LOPPING REQUIRED SHALL BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL

- TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
- CARE SHOULD BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.

CREEK CROSSINGS

- SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
- APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

- PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS ARE TO BE REINSTATED.
- PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

SAFETY

- ALL DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION.

ALL DISUSED SERVICES SHALL BE PLUGGED AT THE MAIN AND FERRULE CLOSED OR TAPPING BAND REMOVED AND SECTION OF MAIN SUBSTITUTED AS LIVE WORKS.

ALL ENVIRONMENT PROTECTION MEASURES SHOULD BE IMPLEMENTED PRIOR TO COMMENCING ANY CONSTRUCTION WORK, INCLUDING CLEARING.

ALL WATER AND SEWER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION. PH: 1300 362 128

IF DEVELOPMENT IS WITHIN A FIRE ANT ZONEM MANAGEMENT AND DISPOSAL OF SOIL SHOULD BE CARRIED OUT AS PER THE RELEVANT AUTHORITIES REQUIREMENTS.

GENERAL NOTES:

- THE CONTRACTOR IS TO ASCERTAIN THE EXACT LOCATION OF ALL SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE RECTIFICATION OF ANY DAMAGES TO EXISTING SERVICES WHICH MAY OCCUR. THE LOCATION OF EXISTING SERVICES ON THESE DRAWINGS IS APPROXIMATE ONLY.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SPECIFICATIONS AND STANDARDS (IN PRIORITY ORDER):
 - SOUTH EAST QUEENSLAND WATER SUPPLY CODE (SEQ-SP's)
 - WATER SUPPLY CODE OF AUSTRALIA (WSA)
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
- COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1107-2.
- CONDUITS TO BE INSTALLED IN ACCORDANCE WITH SEQ WATER STANDARD DRAWINGS SEQ-WAT-1107-1 & 1107-2.
- A WATER METER SUPPLIED AT THE DEVELOPERS COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH STANDARD DRAWINGS SEQ-WAT-1107-3.
- ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE SEQ-SP'S ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY THE SEQ-SP.
- ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS, WHERE POSSIBLE.
- VALVES, HYDRANTS AND IDENTIFICATION MARKERS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWINGS SEQ-WAT-1300 SERIES.
- TRENCH BEDDING AND BACKFILL TO BE IN ACCORDANCE WITH STANDARD DRAWINGS SEQ-WAT-1200 SERIES.
- THRUST BLOCK TO BE IN ACCORDANCE WITH STANDARD DRAWINGS SEQ-WAT-1200 SERIES.
- SCOUR VALVE AND OUTLETS TO BE IN ACCORDANCE WITH SEQ WATER STANDARD DRAWING SEQ-WAT-1104-2 AND SEQ-WAT-1307-2.
- THE CONSTRUCTION OF THE WATER RETICULATION WORKS SHOWN ON THESE DRAWINGS MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
- IF DEVELOPMENT IS WITHIN FIRE ANT ZONE, MANAGEMENT AND DISPOSAL OF SOIL SHOULD BE CARRIED OUT AS PER THE RELEVANT AUTHORITIES REQUIREMENT.
- CONSTRUCT EMBEDMENT AND TRENCHFILL TO SEQ-WAT-1200-2, 1201-1 to 1204-1 (TYPE C SUPPORT MINIMUM) AND COUNCIL STANDARD FOR ROADWAYS.
- INSTALL DETECTABLE MARKER TAPE ON ALL WATER MAINS AND PROPERTY SERVICES AND INSTALL PAVEMENT MARKER TO SEQ-WAT-1300-1 AND 1300-2.
- 316SS BACKING RINGS SHALL BE USED WITH FULL-FACE PE FLANGES. PE STUB-FLANGES ARE NOT ACCEPTED.
- WHEN JOINING TO EXISTING UNRESTRAINED PIPELINES, PROVIDE A DICL SHORT PIPE WITH THRUST FLANGE AND THRUST BLOCK. BOLT ON UNI FLANGES SHALL NOT BE USED AS THRUST FLANGES. Thrust (puddle) flanges shall be an approved prefabricated dicl/mscl short pipe with prefabricated thrust flange.

LIVE WORKS CONNECTION:

- A PERMIT TO WORK MUST BE OBTAINED PRIOR TO COMMENCEMENT OF WORK AT SITE. A MINIMUM PERIOD OF TEN WORKING DAYS IS REQUIRED FOR THE ISSUING OF A PERMIT. CONTACT: DALodgements@logan.qld.gov.au
- PRE-CHLORINATED FITTINGS SHALL BE USED FOR WATER SUPPLY LIVE WORKS CONNECTIONS.
- LIVE WORKS CANNOT COMMENCE UNTIL ALL TEST CERTIFICATES HAVE BEEN PROVIDED TO AND ACCEPTED BY LOGAN CITY COUNCIL, AND ALL ADJOINING WORKS HAVE BEEN ACCEPTED BY LOGAN CITY COUNCIL.

CONNECTIONS & SUBSTITUTIONS

STREET _____
LIVE CONNECTION 1
LENGTH _____ TYPE OF MAIN _____
DATE COMMENCED _____ DATE COMPLETED _____
SIGNATURE _____

STREET _____
LENGTH _____ TYPE OF MAIN _____
DATE COMMENCED _____ DATE COMPLETED _____
SIGNATURE _____

STREET _____
LENGTH _____ TYPE OF MAIN _____
DATE COMMENCED _____ DATE COMPLETED _____
SIGNATURE _____

Plan requires amendment prior to a pre-start meeting

LOGAN CITY COUNCIL
APPROVED PLAN OF DEVELOPMENT
This is the approved plan of development for Development Application
OW/275/2022

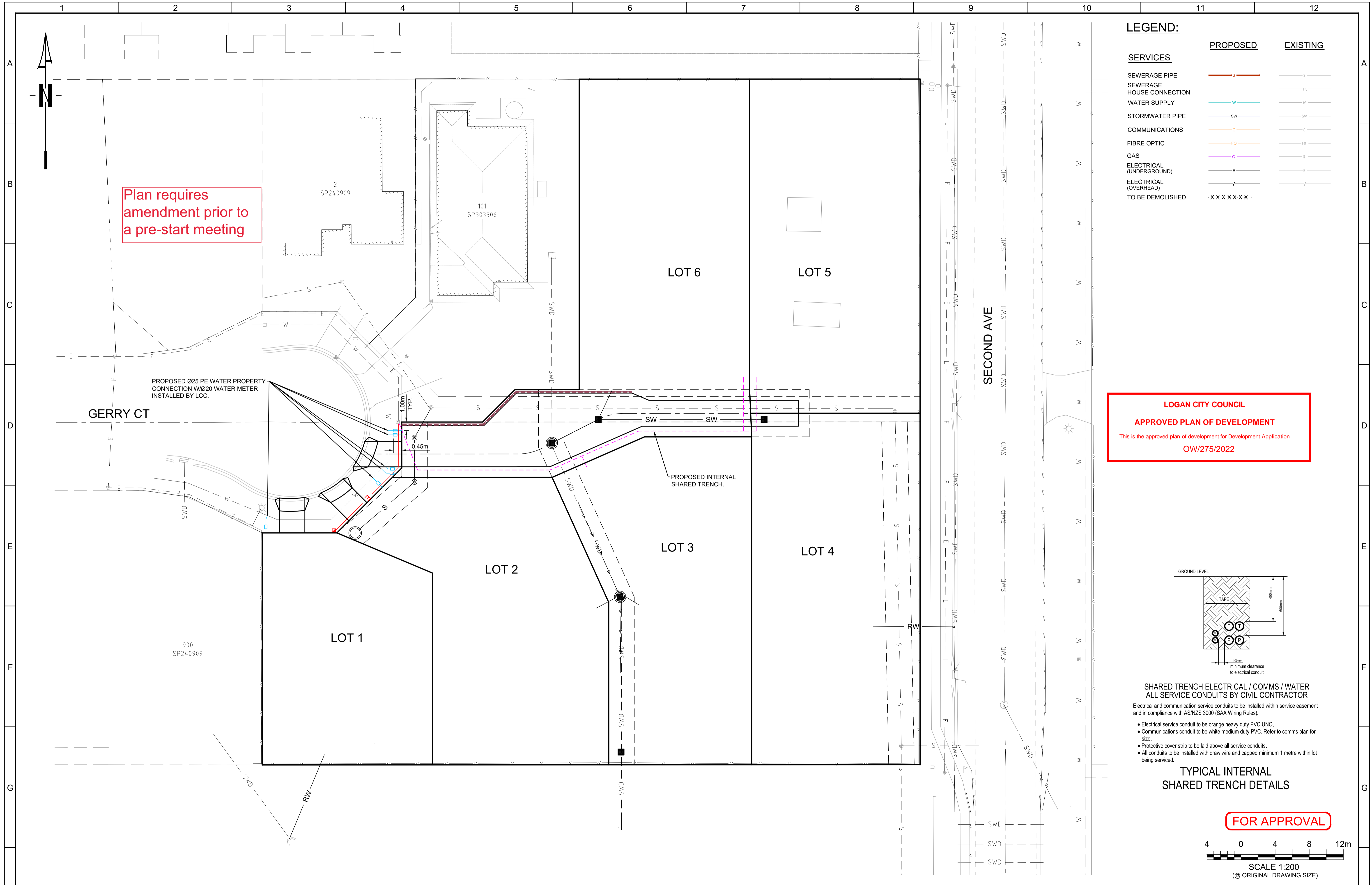
RP DESCRIPTION

LOT 14 ON SP240909 & 102 ON SP303506

URBAN ENGINEERING SOLUTIONS PTY. LTD.
CONTACT: Mr. DEAN PAYNE
TELEPHONE: 0488 998 776

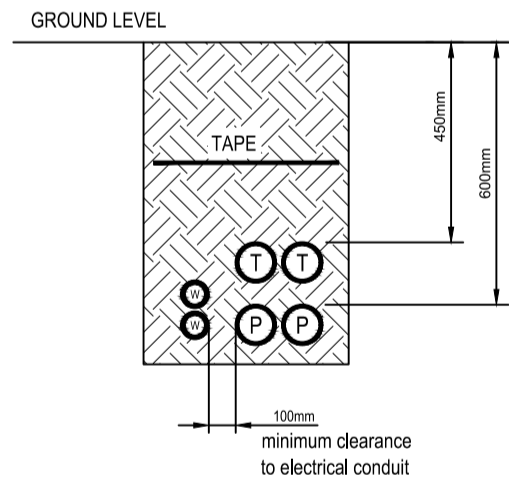
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Rev	Description	Date	DO NOT SCALE FROM DRAWING					
A	ISSUED FOR APPROVAL	15.02.23						



Plan requires amendment prior to a pre-start meeting

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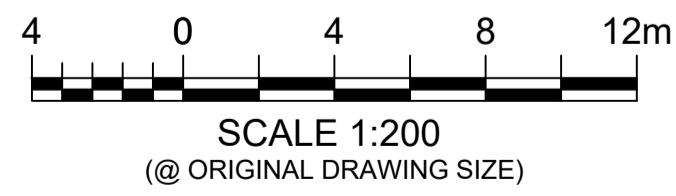


SHARED TRENCH ELECTRICAL / COMMS / WATER
ALL SERVICE CONDUITS BY CIVIL CONTRACTOR
 Electrical and communication service conduits to be installed within service easement and in compliance with AS/NZS 3000 (SAA Wiring Rules).

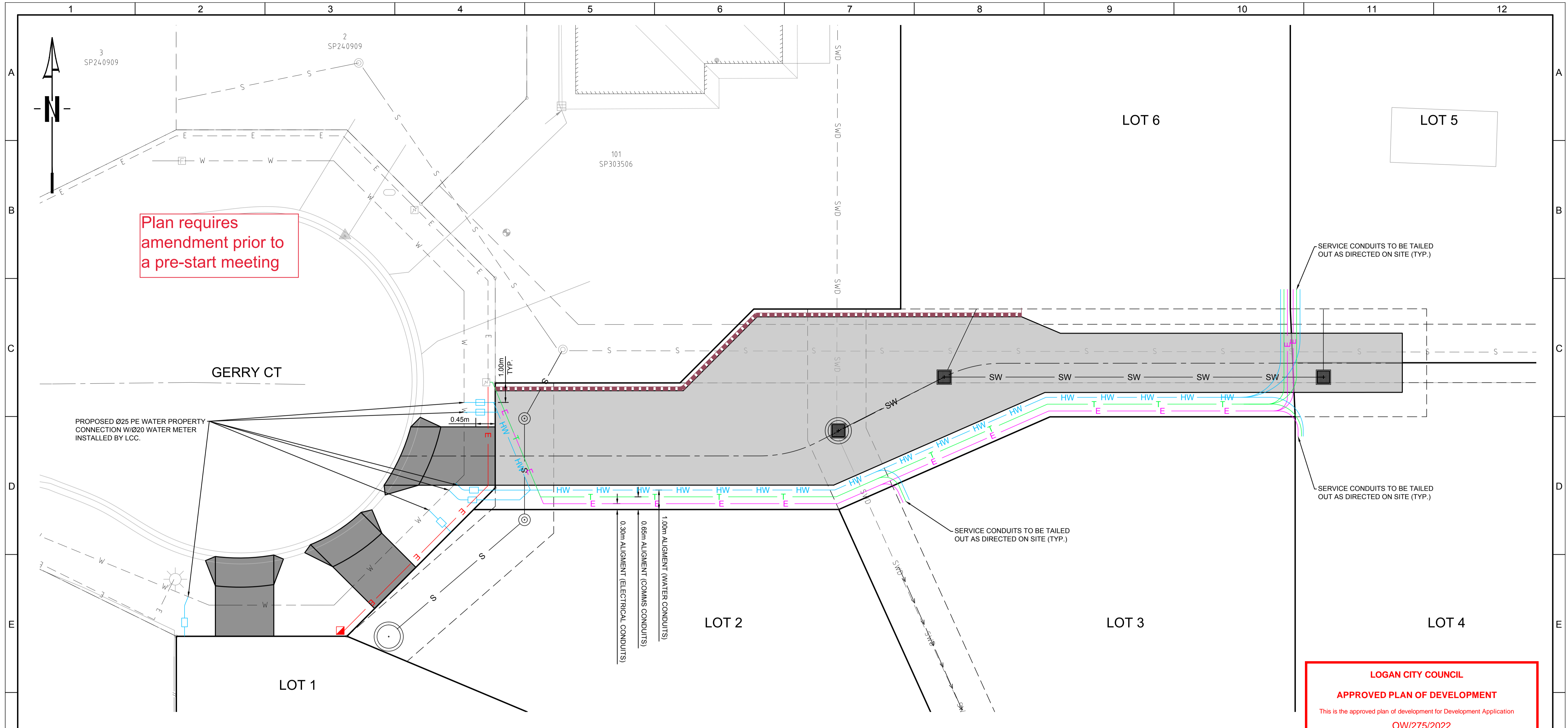
- Electrical service conduit to be orange heavy duty PVC UNO.
- Communications conduit to be white medium duty PVC. Refer to comms plan for size.
- Protective cover strip to be laid above all service conduits.
- All conduits to be installed with draw wire and capped minimum 1 metre within lot being serviced.

TYPICAL INTERNAL SHARED TRENCH DETAILS

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Q.T. ISSUED FOR APPROVAL Date 15.02.23	DO NOT SCALE FROM DRAWING	Description 1 2 3 4 5 6 7 8 9 10 11 12		1 2 3 4 5 6 7 8 9 10 11 12			



Plan requires amendment prior to a pre-start meeting

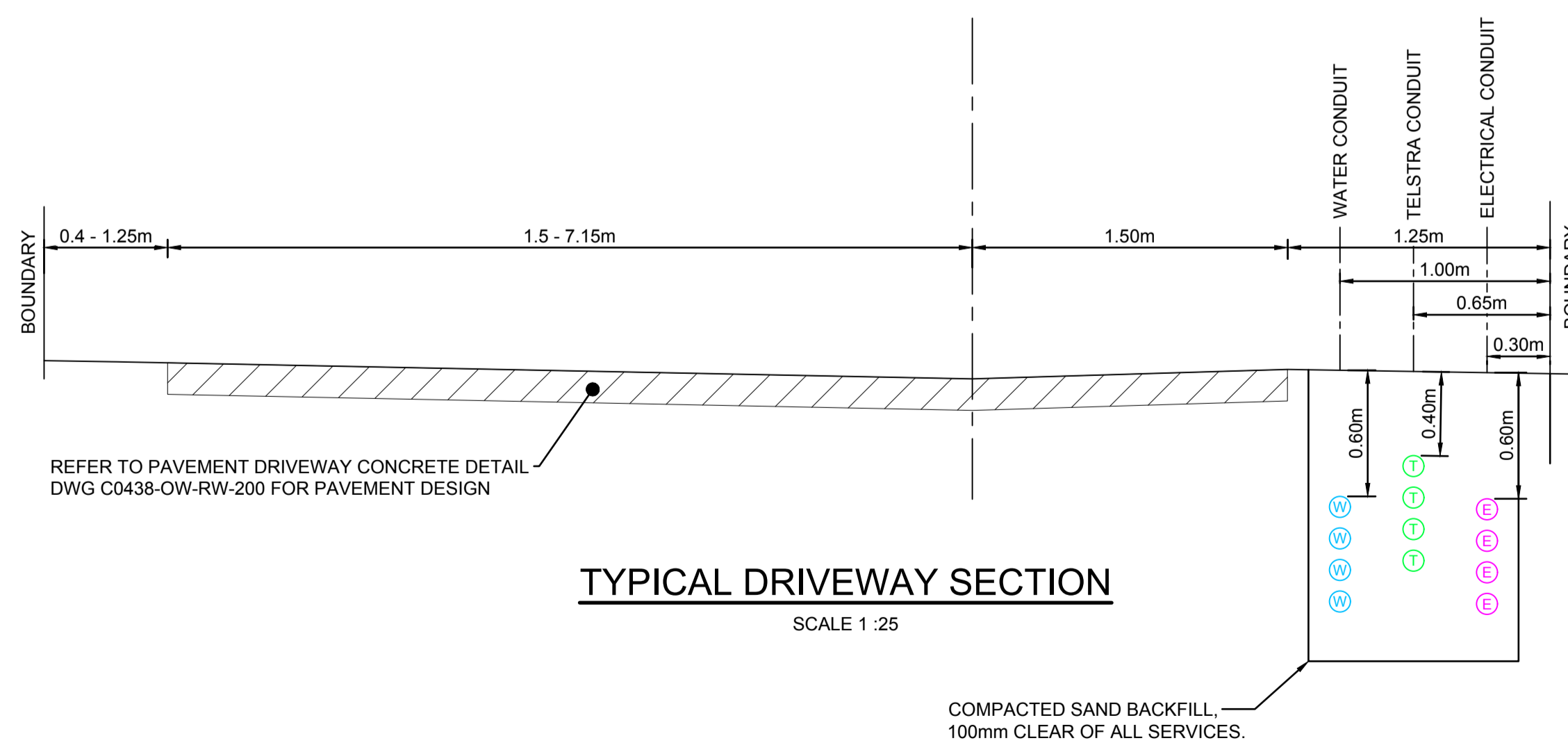
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LEGEND:

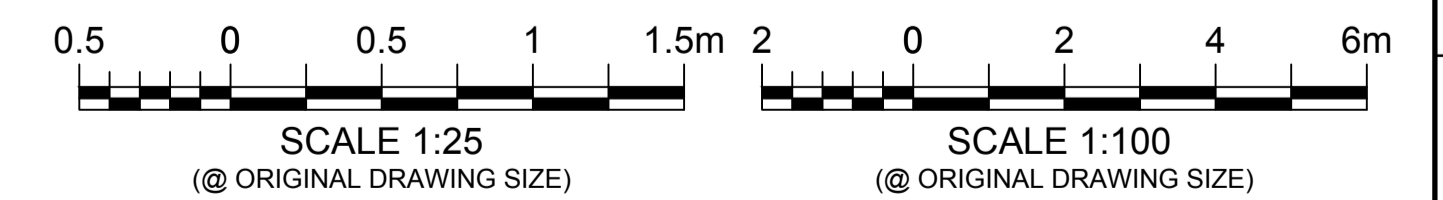
SERVICES	PROPOSED	EXISTING
SEWERAGE PIPE	S	S
SEWERAGE HOUSE CONNECTION	HC	HC
WATER SUPPLY	W	W
STORMWATER PIPE	SW	SW
COMMUNICATIONS	C	C
FIBRE OPTIC	FO	FO
GAS	G	G
ELECTRICAL (UNDERGROUND)	E	E
ELECTRICAL (OVERHEAD)	EO	EO
TO BE DEMOLISHED	XXXXXX	

SERVICES

- THE FOLLOWING SERVICES ARE TO BE LAID AS INDICATED ON THE DRAWINGS
- 40mm H.D. P.V.C. ORANGE CONDUIT (AS. 2053) INCLUDING DRAW WIRES FOR ELECT. SERVICES.
 - TELSTRA CONTRACTOR TO NOTIFY TELSTRA WHEN CONDUITS ARE REQUIRED.
 - WATER SERVICE
 - 25mm DIA HDPE PIPE TO BE LAID 600mm DEEP FROM THE SERVICE POINT TO THE END OF DRIVEWAY END TO BE TURNED UP AND FINISH 150mm ABOVE FINISHED SURFACE LEVEL.
- NOTE
 .CONDUITS (ENERGEX AND TELSTRA) TO BE LAID PRIOR TO CONSTRUCTING DRIVEWAY



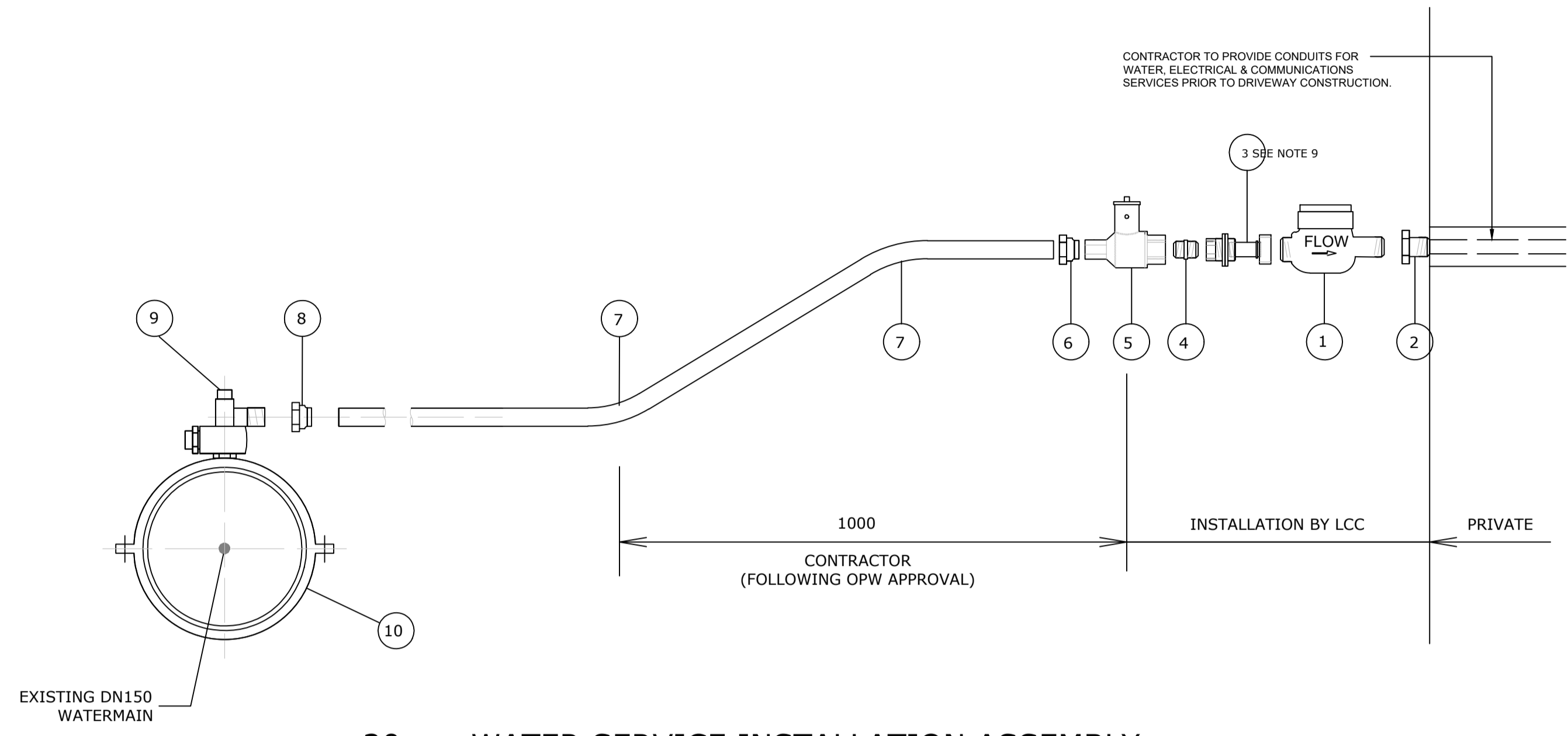
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Q.T. Q.T. 15.02.23	DO NOT SCALE FROM DRAWING						
Rev 1 Description ISSUED FOR APPROVAL							

**DETAILS FROM SEQ-WAT-1110-2 - A
(SEQ WATER SERVICE PROVIDERS)**

#	PART DESCRIPTION AND REQUIREMENTS
1.	20mm APPROVED WATER METER - (INSTALLED BY LCC)
2.	METER TAIL WITH 20mm BSP-MI END, SUPPLIED WITH METER
3.	FULLY EXTENDED ADJUSTABLE METER COUPLING WRAPPED IN PROTECTIVE WATERPROOF TAPE AFTER INSTALLATION.
4.	20mm BRASS HEX. NIPPLE. SEE NOTE 9
5.	APPROVED IN-LINE 20mm BALL VALVE (SEE IPAM LIST) TO BE LEFT IN FULLY CLOSED POSITION.
6.	MALE END PUSHFIT-FITTING.
7.	DN25 PE PIPE TO AS4130 PN16 BEND AS REQUIRED TO A RADIUS OF CURVATURE GREATER THAN 300 mm AND COLOURED OR STRIPED APPROPRIATELY (BLUE FOR DRINKING WATER OR PURPLE FOR RECYCLED WATER).
8.	20mm FERRULE NUT.
9.	APPROVED 20mm TPNFR FERRULE COCK TO BE LEFT IN FULLY OPEN POSITION.
10.	APPROVED TAPPING BAND (SEE IPAM LIST)
11.	APPROVED METER BOX (SEE IPAM LIST) - INSTALLATION BY LCC

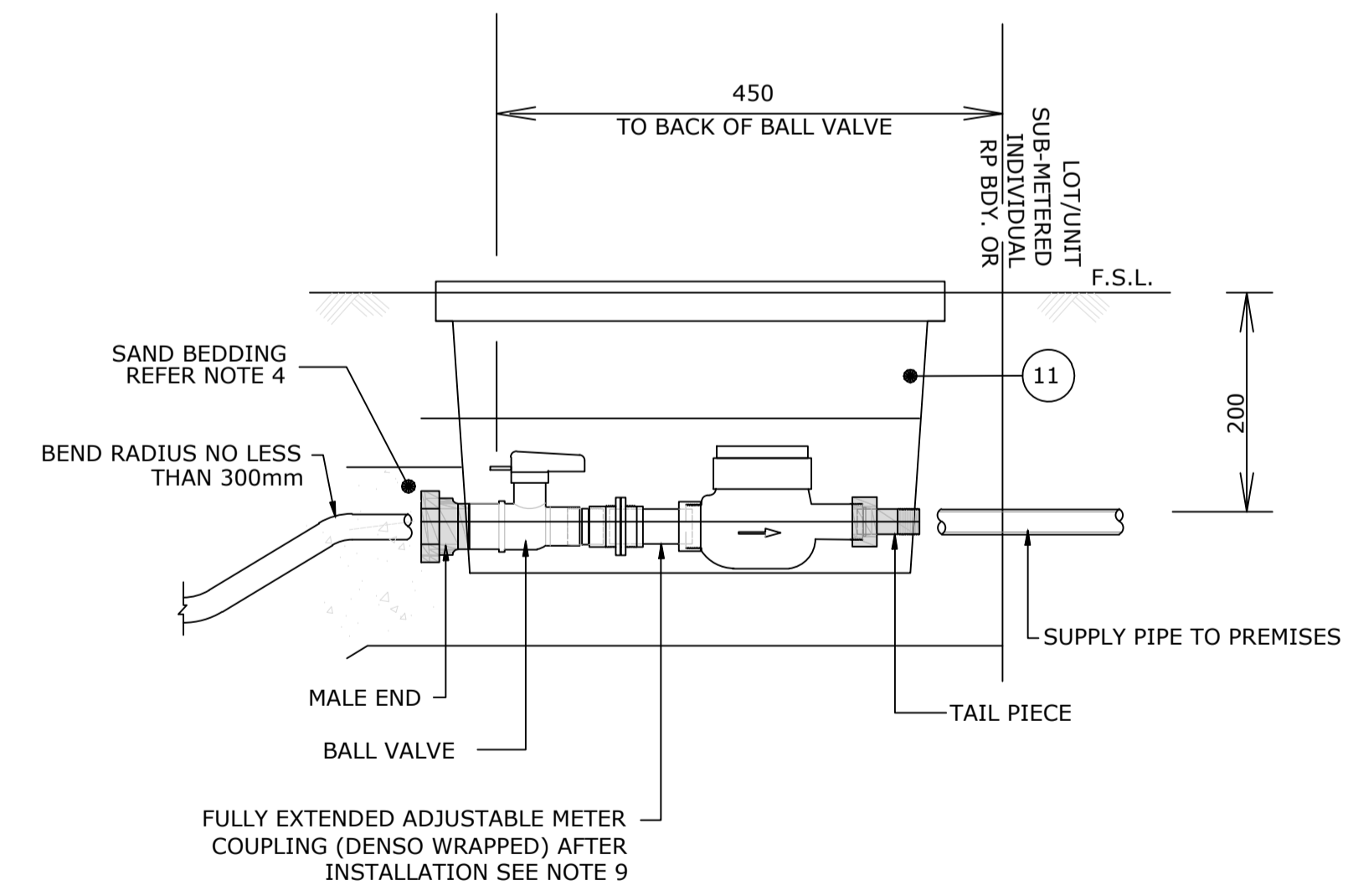


20mm WATER SERVICE INSTALLATION ASSEMBLY

NOTES:

- ALL WORKS SHALL BE IN ACCORDANCE WITH QUEENSLAND CODES, SPECIFICATIONS AND STANDARDS.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORKS SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- ALL FITTINGS AND PIPES SHALL BE JOINTED IN ACCORDANCE WITH THEIR MANUFACTURERS' REQUIREMENTS.
- SERVICE PIPE OUTSIDE CONDUIT MUST HAVE 100mm BEDDING AND SURROUND OF IMPORTED SAND CONFORMING TO TABLE G3 OF AS2566.2.
- A MINIMUM OF 300mm OF THE SERVICE PIPE IMMEDIATELY BEFORE THE BALL VALVE MUST BE PERPENDICULAR TO THE FRONT LOT BOUNDARY OF THE LOT IT SERVES.
- DIMENSIONS ARE IN MILLIMETRES, UNLESS SHOWN OTHERWISE.
- THIS DRAWING TO BE READ TOGETHER WITH DRAWING SEQ-WAT-1110-1.
- WITH APPROPRIATE UPSIZING OF PARTS THIS DRAWING IS APPLICABLE ALSO TO 25mm INTERNAL DIAMETER CONNECTIONS USING DN32 PE PIPE.
- WHERE THE METER BOX IS INSTALLED IN HARD STANDING (OR HARD STANDING WILL BE PROVIDED SUBSEQUENTLY) PARTS #3 AND #4 MUST BE USED. FOR OTHER SITUATIONS A SECOND PART #2 MAY BE SUBSTITUTED FOR THOSE PARTS

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20mm WATER METER SET-UP
(INSTALLATION BY LCC)

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Drawn	Q.T.
Designed	D.P.
Passed	<i>[Signature]</i>
Checked	<i>[Signature]</i>

Project **13 GERRY COURT, MARSDEN**
Title **WATER SUPPLY CONNECTIONS DETAILS**

Drawing Number C0438-OW-WS-200	
Print Scale A1	Rev A

Rev	Description	Date
A	ISSUED FOR APPROVAL	Q.T. 15.02.23