

60 DAVIES ROAD, KANDOS NSW

PROPOSED SUBDIVISION SEWER DESIGN

DA-/-

GENERAL NOTES

1. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE 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.
2. 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.
3. ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
4. UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETERS.
5. 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

1. THE EXISTING SITE CONDITIONS SHOWN ON THE DRAWINGS HAVE BEEN INVESTIGATED BY DEWITT CONSULTING. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN.
2. 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.
3. SHOULD DISCREPANCIES BE FOUND BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA THE CONTRACTOR SHALL NOTIFY DEWITT 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 DEWITT CONSULTING PRIOR TO COMMENCEMENT OF THE WORKS.

EXISTING UNDERGROUND SERVICES

1. 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.
2. THE CONTRACTOR SHALL TAKE ALL DUE CARE WHEN EXCAVATING ON SITE INCLUDING HAND EXCAVATION WHERE NECESSARY.
3. THE CONTRACTOR SHALL CONTACT ALL RELEVANT SERVICE AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS.
4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH SERVICES SEARCH PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION THE RESULTS OF SERVICES SEARCHES SHALL BE RECORDED AND KEPT ON SITE AT ALL TIMES.

SITE WORKS

1. THE CONTRACTOR SHALL VERIFY ALL LEVELS AND DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORKS. ANY DISCREPANCIES SHALL BE REPORTED TO DEWITT CONSULTING FOR FURTHER INSTRUCTION.
2. ALL CONNECTIONS WITH EXISTING WORKS SHALL BE MADE SMOOTH.
3. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO ACHIEVE A DENSITY EQUIVALENT TO THE ADJACENT MATERIAL.



LOCATION PLAN

INSPECTION HOLD POINTS

ALL WORKS ARE TO BE INSPECTION BY MWRC (OR AND ACCREDITED CERTIFIER) TO MONITOR COMPLIANCE WITH CONSENT AND RELEVANT STANDARDS AT THE FOLLOWING STAGES;

- SEWER AND WATER INSTALLATION PRIOR TO BACKFILL
- AT COMPLETION OF WORKS.

SCHEDULE OF DRAWINGS

C01	COVER SHEET, INDEX AND GENERAL NOTES
C02	SEWER PLAN
C03	SEWER LONG SECTION 1
C04	SEWER LONE SECTION 2

DRAFT ISSUE

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de Witt Consulting

planning ■ surveying ■ project management

HUNTER REGION

7 Canberra Street Charlestown
PO Box 850 Charlestown NSW 2290
P 02 4942 5441 F 02 4942 5301
E admin@de Witt Consulting.com.au

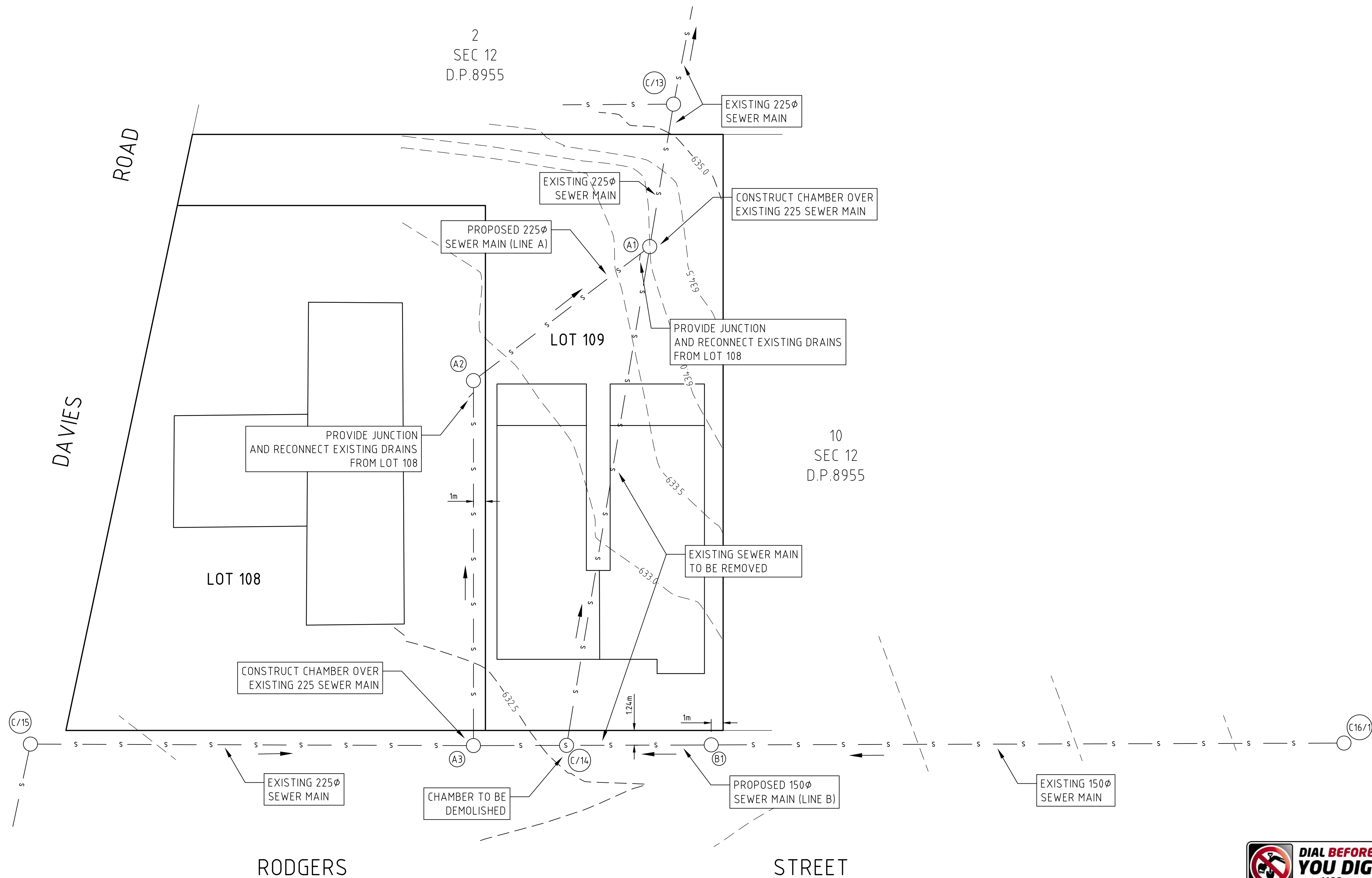
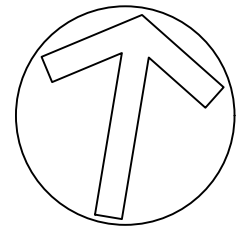
WESTERN REGION

87 Herbert Street Gulgong
PO Box 232 Gulgong NSW 2852
P 02 6374 2911 F 02 6374 2922
ABN 23 104 067 405

TITLE	PROPOSED SUBDIVISION
	COVER SHEET, INDEX AND GENERAL NOTES

H			
G			
F			
E			
D			
C			
B	19.06.23	DRAFT ISSUE FOR CLIENT REVIEW 2	CW
A	19.06.23	DRAFT ISSUE FOR CLIENT REVIEW	CW
Ed.	Date	Amendment	By

JOB ADDRESS: 60 DAVIES ROAD, KANDOS	EDITION	DWG NO:
CLIENT: JASON BOXSELL	B	C01
SCALE: -	ORIGIN OF LEVELS	DRAWN
DATUM: AHD	PM38688	DESIGNER
DESIGN DATE: 19.06.23	628.897	CHECKED
PLAN DATE: 29.06.23		APPROVED
REFERENCE: 14076	CAD REF: 14076_DESIGN_A_OPT2.DWG	SHEET No
		1/4



SEWER NOTES

- ALL WORKS TO BE IN ACCORDANCE WITH WSA SEWERAGE CODE OF AUSTRALIA 02-2014-3.1 AND MWRC STANDARDS.
- ACCESS CHAMBERS TO BE STANDARD PRE CAST SYSTEM AS SUPPLIED (LIDS TO BE WEB FORGE EQUIVALENT; LIGHT IN FOOTPATHS, HEAVY IN ROADS, BY AMATEK OR SIMILAR APPROVED BY MWRC.
- ALL ACCESS CHAMBERS TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWINGS IN WSA SEWERAGE CODE OF AUSTRALIA 02-2014-3.1 PART 3. FLEXIBLE JOINTS TO BE FREE OF INFLEXIBLE MATERIAL.
- SEWER MAIN TO BE 150φ uPVC RUBBER RING JOINTED CLASS SN8.
- JUNCTIONS TO BE LOCATED LOCATED 1m FROM DOWNSTREAM BOUNDARY UNLESS SHOWN OTHERWISE.
- ALL JUNCTIONS AND DEAD ENDS TO BE CAPPED AND GLUED PRIOR TO BACKFILLING.
- MORTAR TO BE USING IN ACCESS CHAMBERS FOR BENCHING TO BE TYPE "C" OR "D" (SULPHATE RESISTANT).
- PIPE EMBEDMENT AND TRENCH FILL TO BE IN ACCORDANCE WITH WSA SEWERAGE CODE OF AUSTRALIA 02-2014-3.1.
- ACCEPTANCE TESTING IN ACCORDANCE WITH WSA SEWERAGE CODE OF AUSTRALIA 02-2014-3.1.
- CONNECTIONS TO LIVE MAINS TO BE UNDERTAKEN BY MWRC.
- PROVIDE STUBS FOR FUTURE STAGES.
- MINIMUM VERTICAL CLEARANCE OF 150mm BETWEEN SEWER AND OTHER SERVICES UNLESS SHOWN OTHERWISE.

MARKING OF JUNCTIONS AND SIDELINES

- THE POSITION OF EACH RISER, JUNCTION OR END OF A SIDE LINE SHALL BE CLEARLY MARKED BE THE CONTRACTOR ON COMPLETION OF BACKFILLING. THE MARKING SHALL BE MADE BY ONE OF THE FOLLOWING METHODS BUT THE LOCATION OF THE MARK OR PEG SHALL BE APPROVED BY THE SUPERINTENDENT.
- WHERE THE POSITION OF THE RISER, JUNCTION OR THE END OF A SIDE LINE IS AT A SUBSTANTIAL BOUNDARY FENCE OR STRUCTURE LOCATED ON THE BOUNDARY, A NEATLY STENCILED LETTER "J" 50mm HIGH SHALL BE PAINTED THEREON. AN UNDERGROUND IDENTIFICATION TAPE AS SPECIFIED HEREFTER SHALL FINISH FLUSH WITH THE EXISTING GROUND SURFACE AS CLOSE TO THE BOUNDARY FENCE OR STRUCTURE AS POSSIBLE.
- ELSEWHERE A HARDWOOD PEG 75 x 50 x 125 TO 300mm LONG SHALL BE DRIVEN INTO THE GROUND AT THAT POSITION, AND LEFT FLUSH WITH THE EXISTING GROUND SURFACE. THE LENGTH OF THE PEG TO SUIT THE GROUND CONDITIONS. A LENGTH OF 300mm SHALL BE REQUIRED IN SANDY OR OTHER SOFT GROUND. THE PEG SHALL BE CONNECTED TO AN UNDERGROUND IDENTIFICATION TAPE AS SPECIFIED HEREFTER.
- THE IDENTIFICATION TAPE SHALL BE TIED TO THE JUNCTION OF END OF SIDE LINE AND HELD IN A VERTICAL POSITION DURING BACKFILLING. THE TOP END OF THE TAPE SHALL BE SPIKED BY THE PEG IMMEDIATELY UPON COMPLETION OF BACKFILLING.
- IDENTIFICATION TAPE SHALL BE 75mm WIDE RED COLOURED POLYETHYLENE TAPE WITH THE INSCRIPTION "CAUTION - BURIED SEWER LINE" PRINTED IN HEAVY BLACK LETTERS EVERY 200mm (IDENTOLINE).



WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

LEGEND

— OPT —	— OPT —	— OPT —	—	EXISTING TELECOMMUNICATION
— S —	— S —	— S —	—	PROPOSED SEWER
— S —	— S —	— S —	—	EXISTING SEWER
— W —	— W —	— W —	—	EXISTING WATER

DRAFT ISSUE

PROPOSED SEWER - PLAN

SCALE 1:200

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HUNTER REGION
7 Canberra Street Charlestown
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E admin@de Witt Consulting.com.au

WESTERN REGION
87 Herbert Street Gulgong
PO Box 232 Gulgong NSW 2852
P 02 6374 2911 F 02 6374 2922
ABN 23 104 067 405

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H				JOB ADDRESS: 60 DAVIES ROAD, KANDOS	EDITION	DWG NO:
G				CLIENT: JASON BOXSELL	B	C01
F				SCALE: -	ORIGIN OF LEVELS	SHEET No
E				DATUM: AHD	PM38688	2/4
D				DESIGN DATE: 19.06.23	628.897	
C				PLAN DATE: 29.06.23		
B	19.06.23	DRAFT ISSUE FOR CLIENT REVIEW 2	CW	REFERENCE: 14076	CAD REF: 14076_DESIGN_A OPT2.DWG	
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Ed.	Date	Amendment	By			

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 planning ■ surveying ■ project management

HUNTER REGION
 7 Canberra Street Charlestown
 PO Box 850 Charlestown NSW 2290
P 02 4942 5441 F 02 4942 5301
 E admin@dewittconsulting.com.au

WESTERN REGION
 87 Herbert Street Gulgong
 PO Box 232 Gulgong NSW 2852
P 02 6374 2911 F 02 6374 2922
 ABN 23 104 067 405

TITLE

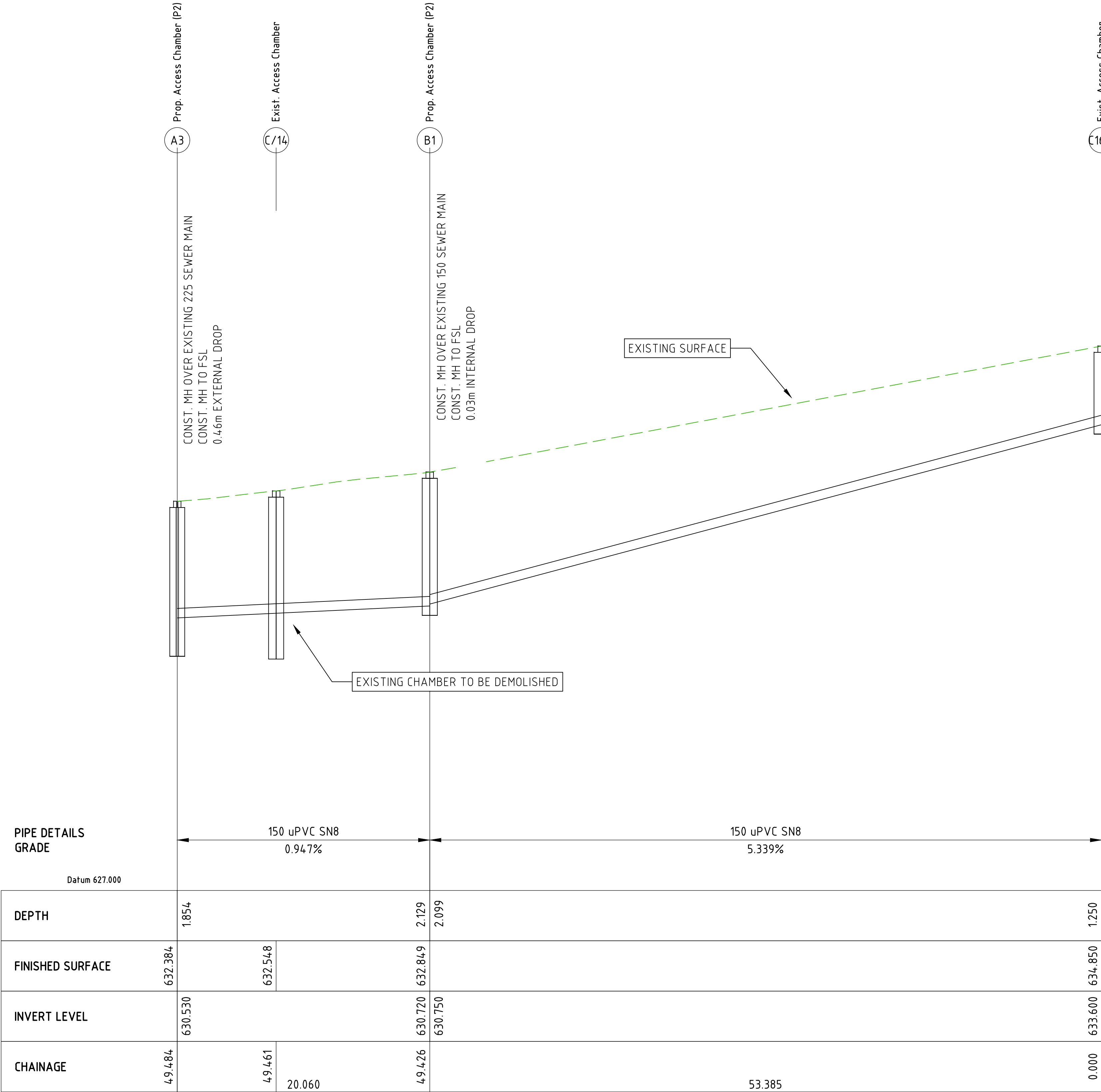
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DATUM: AHD	628.897	CHECKED -	3/4
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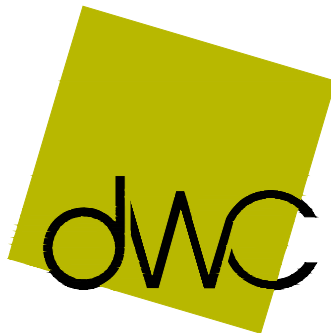


SEWER - LINE B
 H 1:200 V 1:40

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