

AMPOL M1 WYONG

DISCIPLINE: HYDRAULIC SERVICES

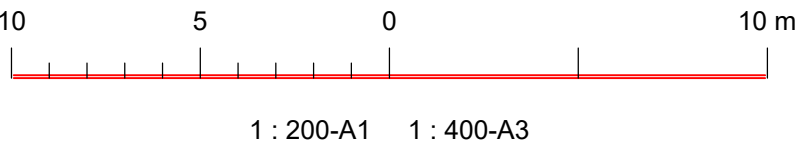


DRAWING LIST

H000	COVER SHEET AND DRAWING LIST
H001	LEGEND OF SYMBOLS AND GENERAL NOTES
H100	SEWER RISING MAIN SHEET 1
H101	SEWER RISING MAIN SHEET 2
H102	SEWER RISING MAIN SHEET 3
H103	SEWER RISING MAIN SHEET 4
H104	SEWER RISING MAIN SHEET 5
H105	SEWER RISING MAIN SHEET 6
H106	SEWER RISING MAIN SHEET 7
H107	SEWER RISING MAIN SHEET 8
H108	SEWER RISING MAIN SHEET 9
H109	SEWER RISING MAIN SHEET 10
H110	SEWER RISING MAIN SHEET 11
H111	SEWER RISING MAIN SHEET 12
H112	SEWER RISING MAIN SHEET 13
H113	SEWER RISING MAIN SHEET 14
H114	SEWER RISING MAIN SHEET 15
H115	SEWER RISING MAIN SHEET 16
H116	SEWER RISING MAIN SHEET 17
H117	SEWER RISING MAIN SHEET 18
H118	SEWER RISING MAIN SHEET 19
H119	SEWER RISING MAIN SHEET 20
H120	SEWER RISING MAIN SHEET 21
H121	SEWER RISING MAIN SHEET 22
H122	SEWER RISING MAIN SHEET 23
H123	SEWER RISING MAIN SHEET 24
H124	SEWER RISING MAIN SHEET 25
H125	SEWER RISING MAIN SHEET 26
H126	SEWER RISING MAIN SHEET 27
H500	SEWER RISING MAIN DETAIL SHEET 1
H501	SEWER RISING MAIN DETAIL SHEET 2

SITE PLAN

SCALE: N.T.S.



REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	27.05.25	D&C TENDER ISSUE	A.B.				

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CONSULTANT



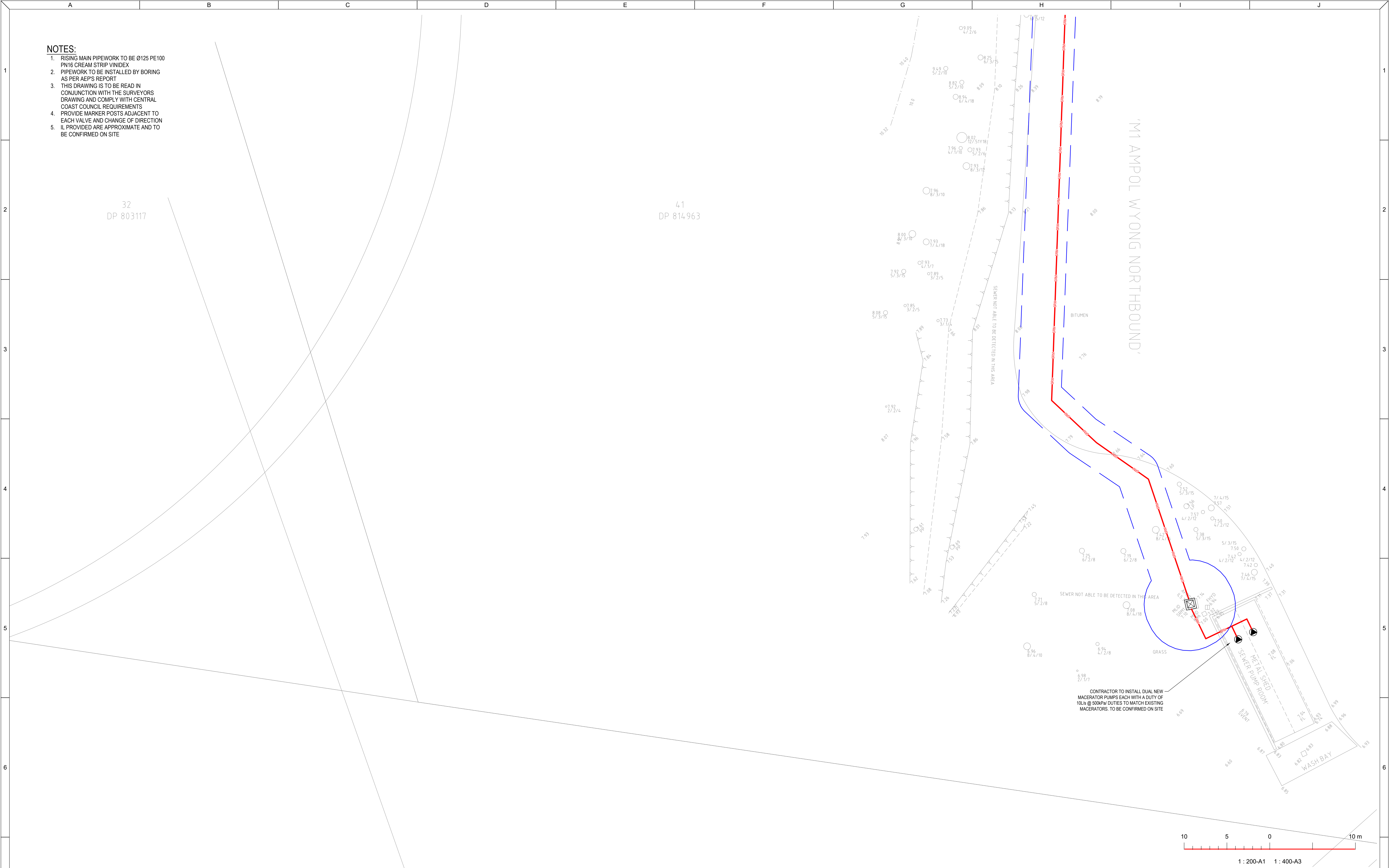
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PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
COVER SHEET
AND DRAWING LIST

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H000	B

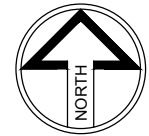


REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS				CLIENT		ARCHITECT		CONSULTANT		PROJECT		TITLE		D&C TENDER ISSUE					
Rev	Date	Description	Verified	Rev	Date	Description	Verified							AMPOL M1 WYONG WYONG M1 NSW 2259		HYDRAULIC SERVICES SEWER RISING MAIN SHEET 1		NOT TO BE USED FOR CONSTRUCTION					
P1	15.12.23	DA ISSUE	A.B.											Level 20, 2 Market Street, Sydney NSW 2000 Australia +61 (02) 9437 1000 general@jhaengineers.com.au www.jhaservices.com				SCALE @ A1 1:200 DEC 2023					
P2	16.04.24	DA ISSUE	A.B.																				
A	21.04.24	D&C TENDER ISSUE	A.B.																				
B	23.05.25	D&C TENDER ISSUE	A.B.																				
C	27.05.25	D&C TENDER ISSUE	A.B.																				
																		DRAWN A.B. CHECKED D.C. APPROVED A.B. CREATED DEC 2023					
				All dimensions to be verified on site/s prior to commencement of on-site work and/ or off-site prefabrication. Figured dimension to be taken in preference to scaled dimensions. This drawing is copyright and remains the property of JHA Consulting Engineers. Reproduction in whole or part of these drawings without written consent constitutes an infringement of copyright.														JOB No. DRAWING No. REV					
																		220449 H100 C					
A				B				C		D		E		F		G		H		I		J	

- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100
PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING
AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN
CONJUNCTION WITH THE SURVEYORS
DRAWING AND COMPLY WITH CENTRAL
COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO
EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO
BE CONFIRMED ON SITE



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B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

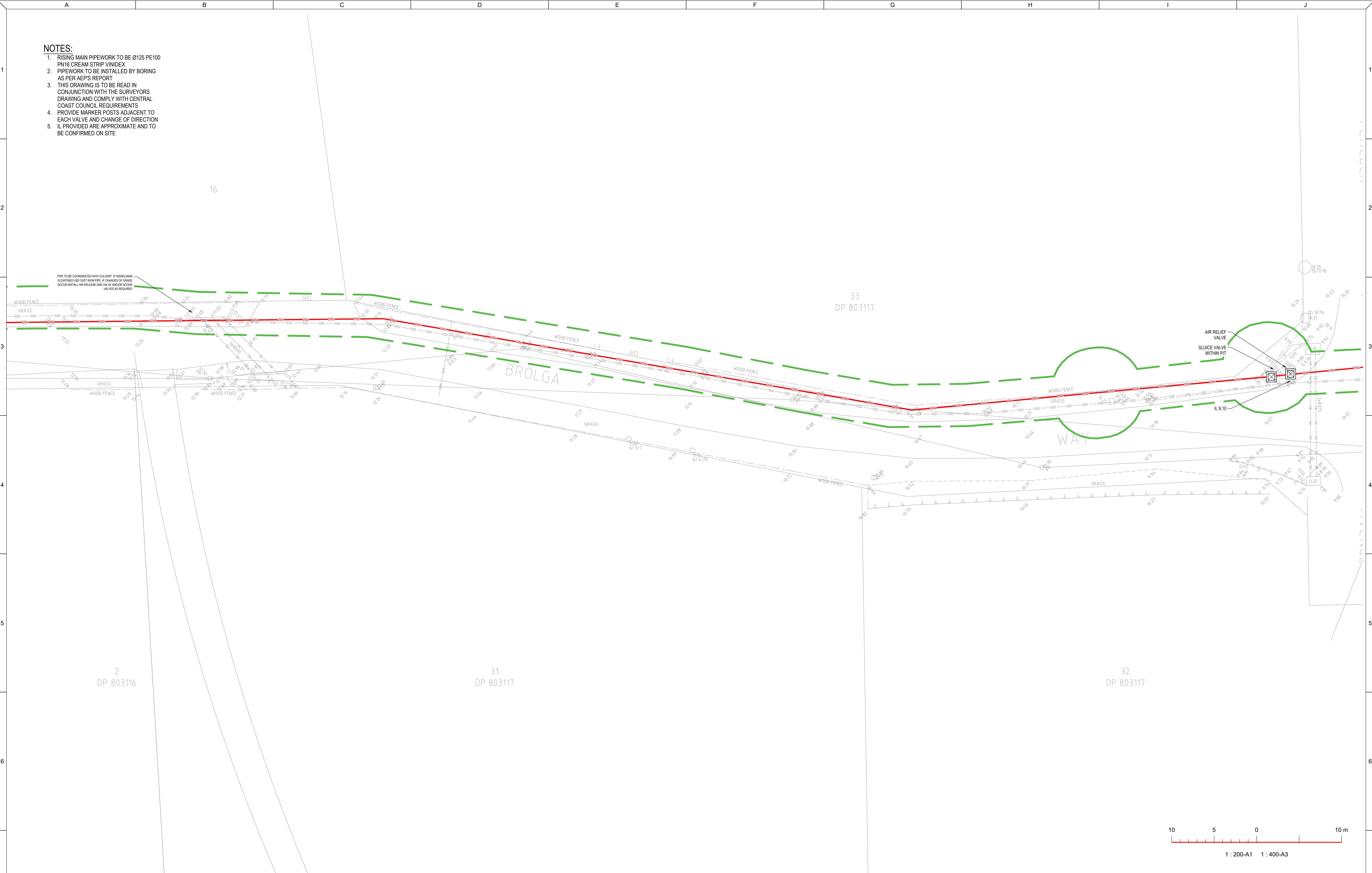
TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 2

D&C TENDER ISSUE
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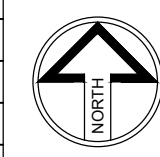
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CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H101	C

- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100
PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING
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B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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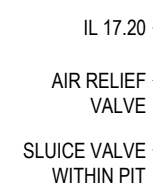
TITLE

HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 3

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	
APPROVED	A.B.	1:200
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H102	C

1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	D4 ISSUE	A.B.				
P2	16.04.24		A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.			All dimensions to be verified on site/s prior to commencement of on-site work and off-site prefabrication. Figured dimension to be taken in preference to scaled dimensions. This drawing is copyright and remains the property of JKA Consulting Engineers. Reproduction in whole or part of these drawings without written consent constitutes an infringement of copyright.	
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				

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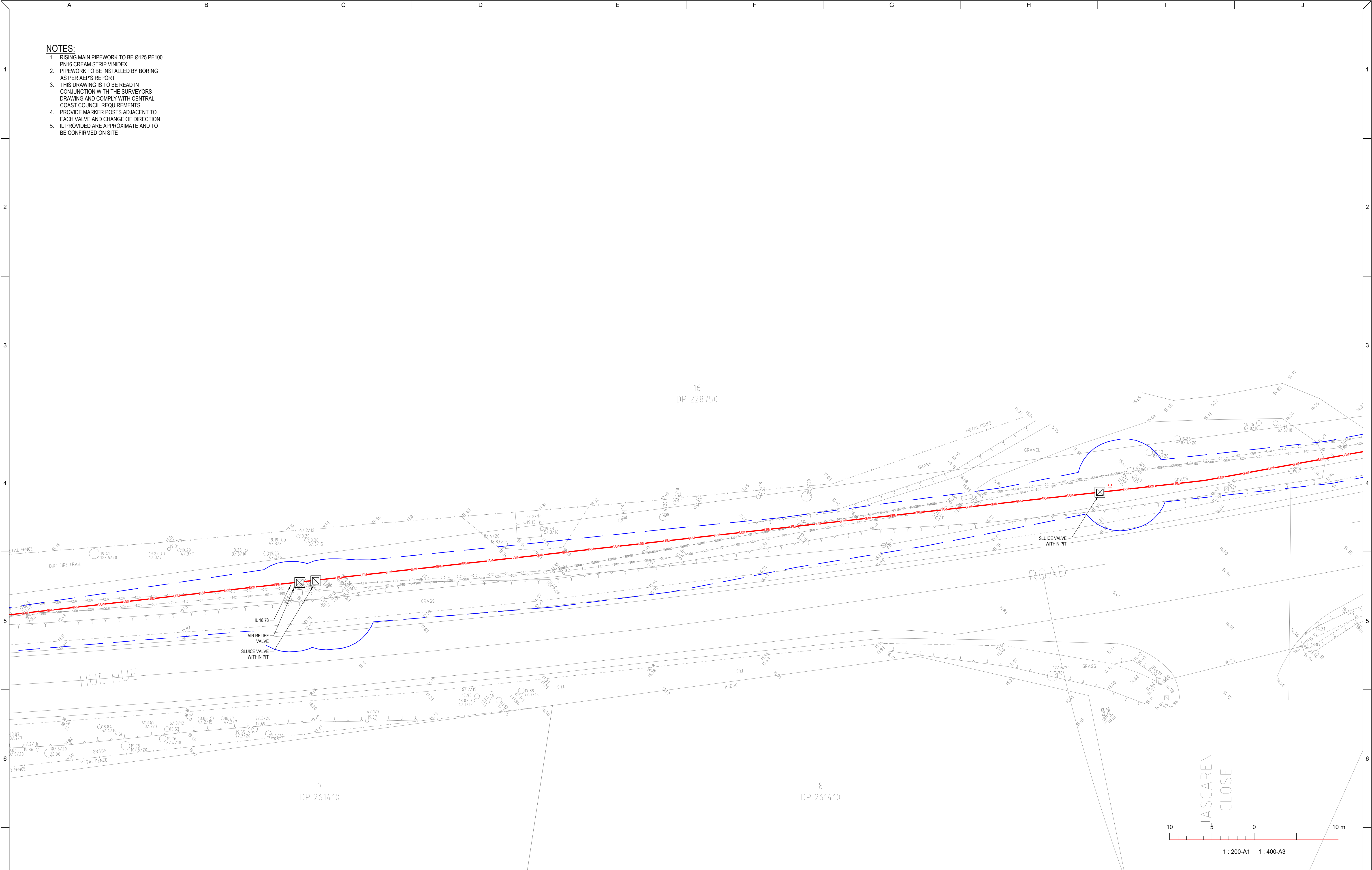
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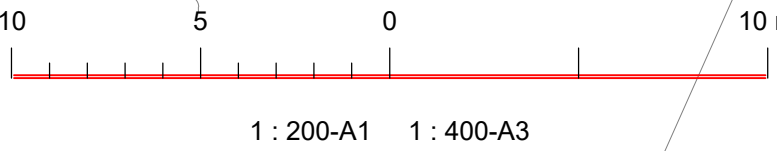
AMPOL M1 WYONG
WYONG M1 NSW 2259

D&C TENDER ISSUE

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APPROVED	A.B.	
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H103	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 OREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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C	27.05.25	D&C TENDER ISSUE	A.B.				



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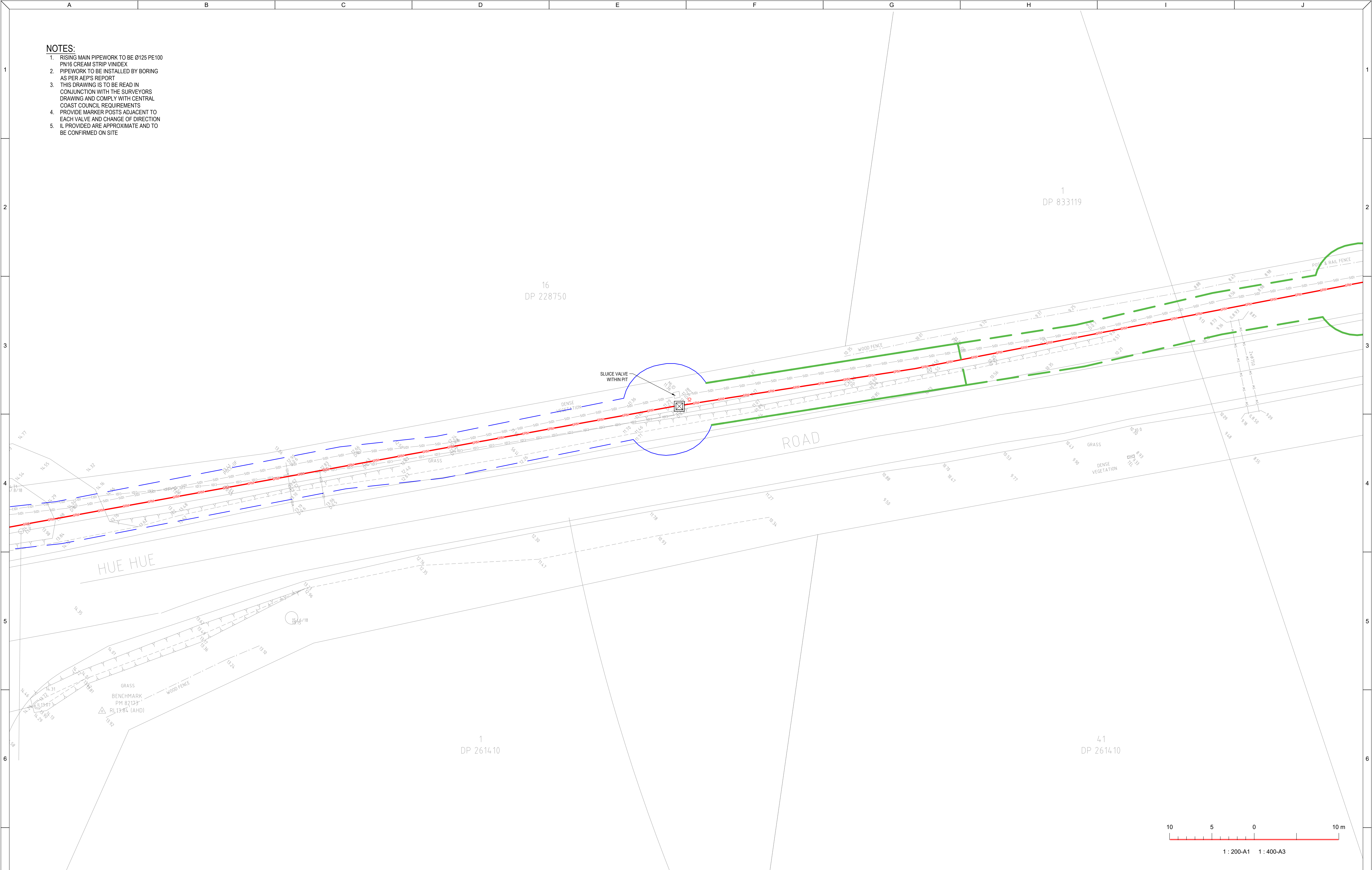
TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 5

D&C TENDER ISSUE

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DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H104	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100
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PROJECT

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WYONG M1 NSW 2259

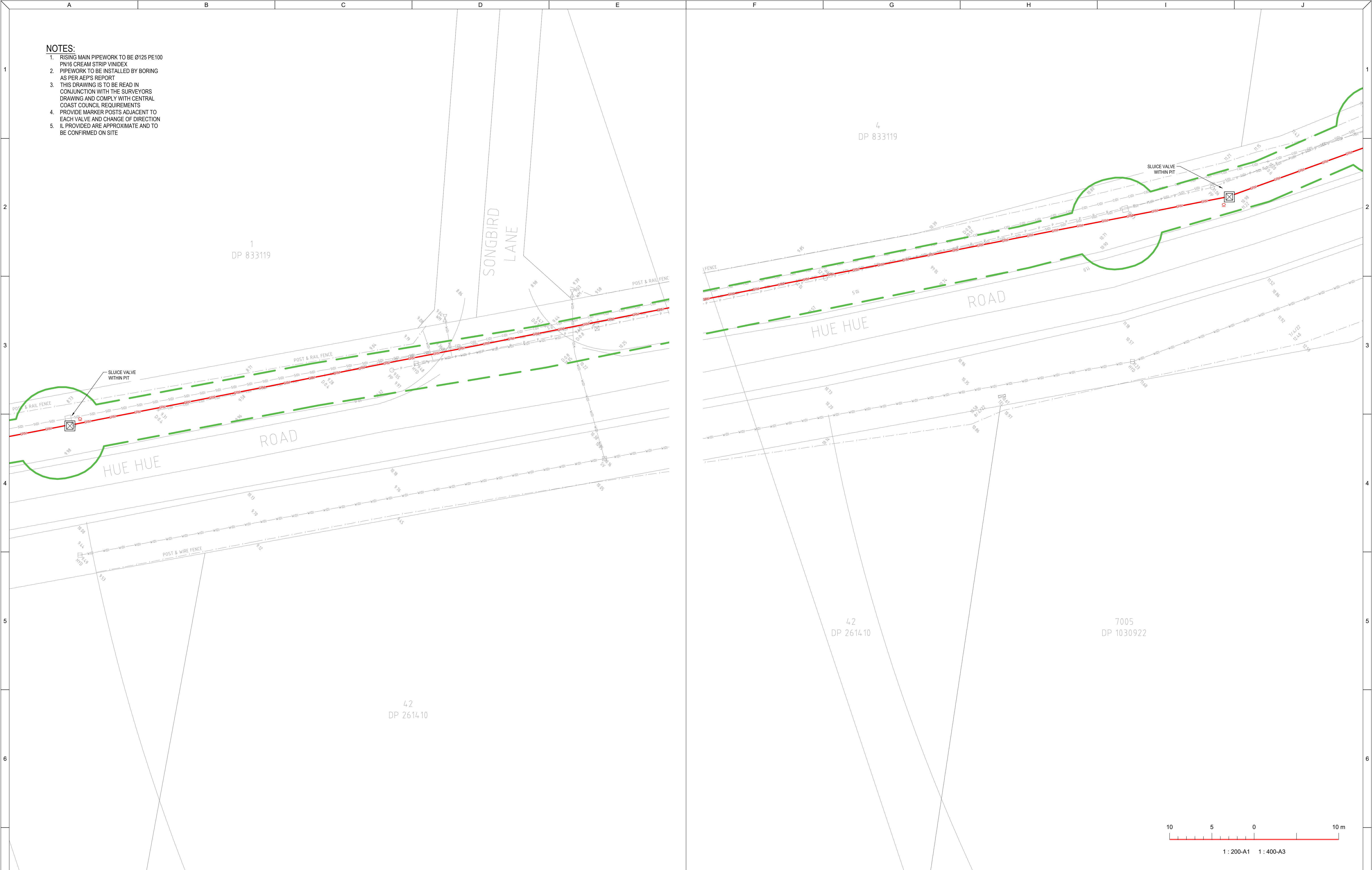
TITLE

HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 6

D&C TENDER ISSUE

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CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H105	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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PROJECT

AMPOL M1 WYONG

WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES

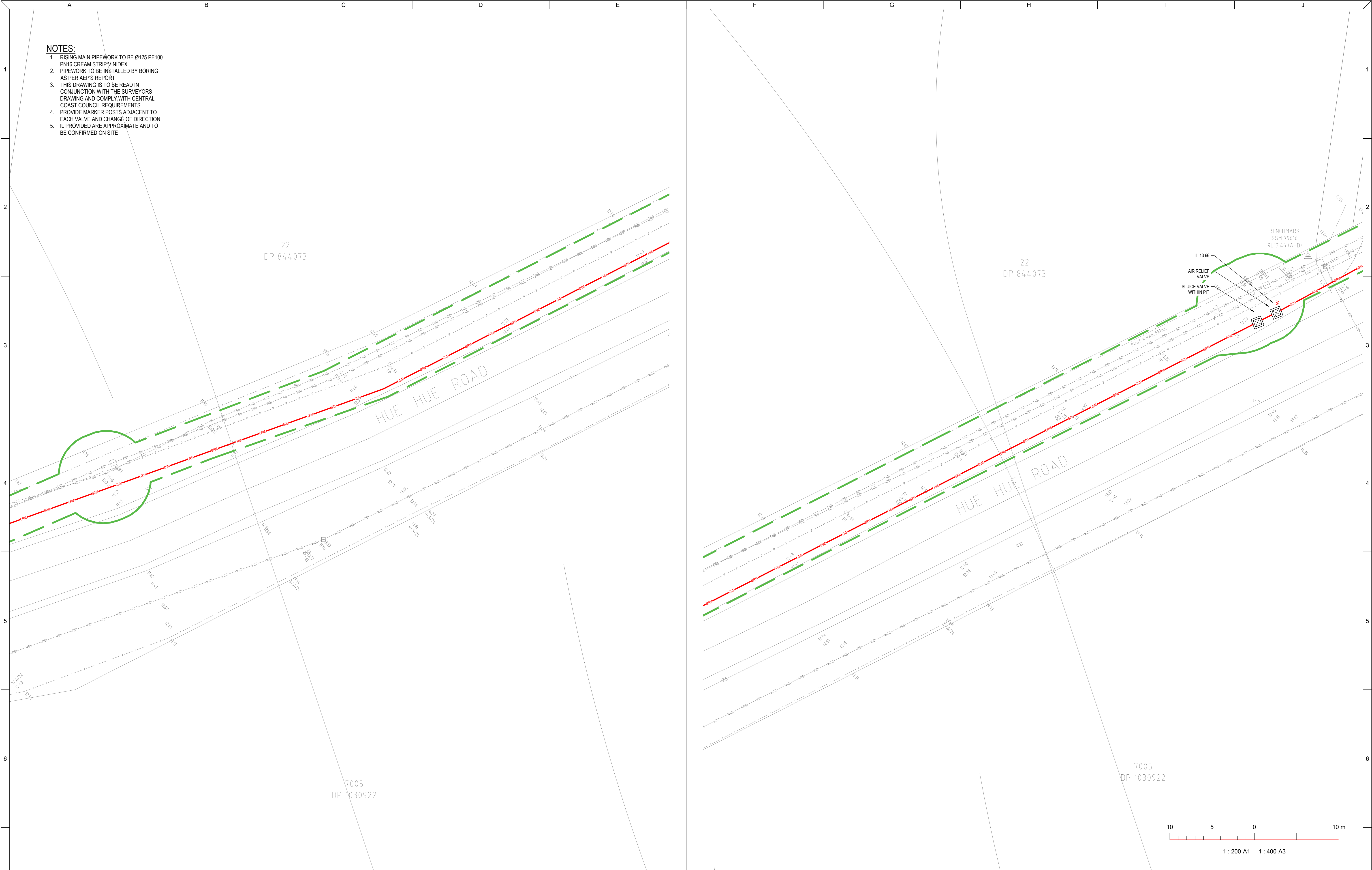
SEWER RISING MAIN

SHEET 7

D&C TENDER ISSUE

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CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H106	C



REVISIONS / AMENDMENTS

Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.
P2	16.04.24	DA ISSUE	A.B.
A	21.04.24	D&C TENDER ISSUE	A.B.
B	23.05.25	D&C TENDER ISSUE	A.B.
C	27.05.25	D&C TENDER ISSUE	A.B.

REVISIONS / AMENDMENTS

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PROJECT

AMPOL M1 WYONG

WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES

SEWER RISING MAIN

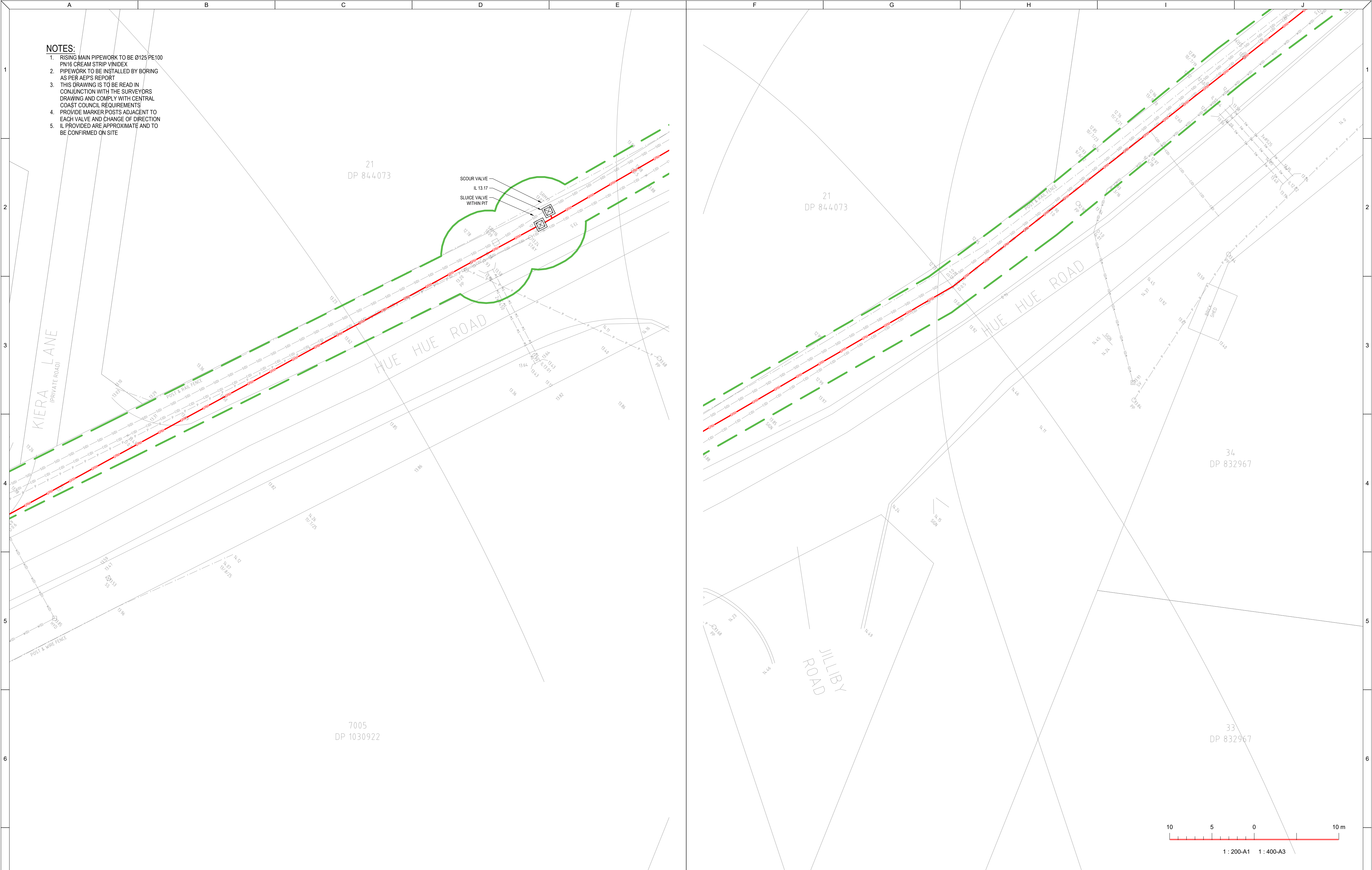
SHEET 8

D&C TENDER ISSUE

NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H107	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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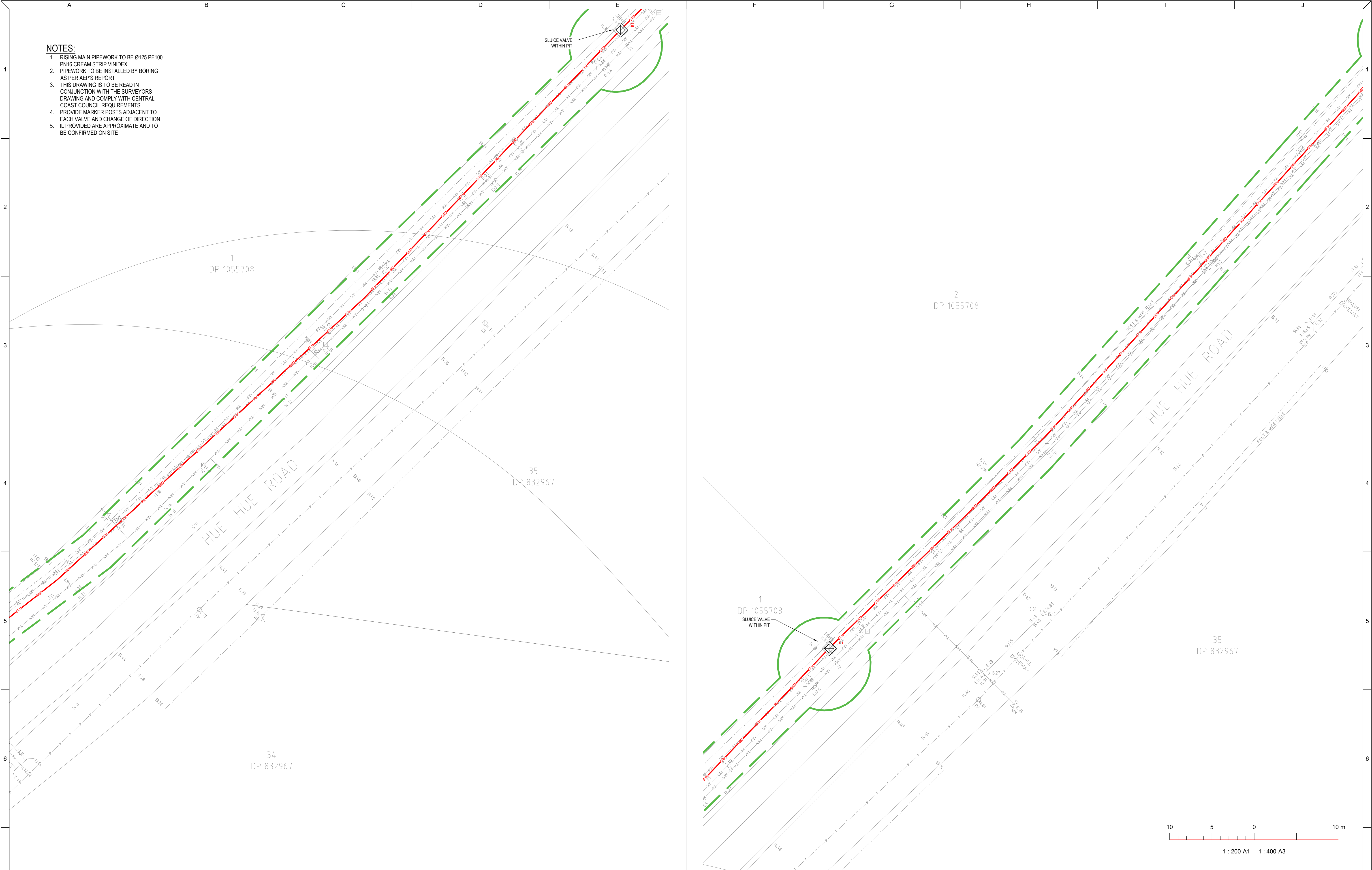
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 9

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H108	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100
 2. PIPEWORK TO BE INSTALLED BY BORING
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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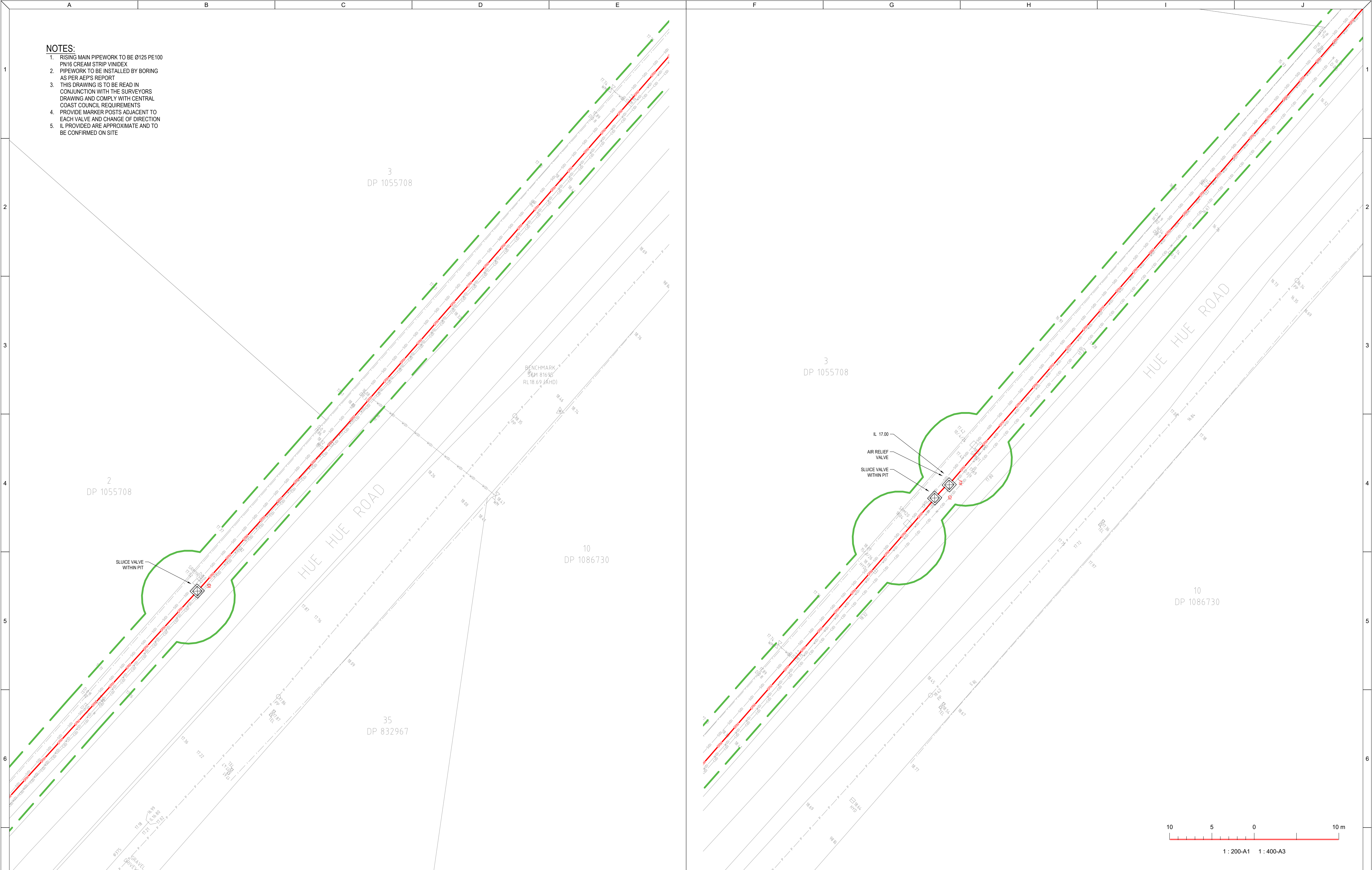
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 10

D&C TENDER ISSUE
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DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H109	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
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PROJECT

AMPOL M1 WYONG

WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES

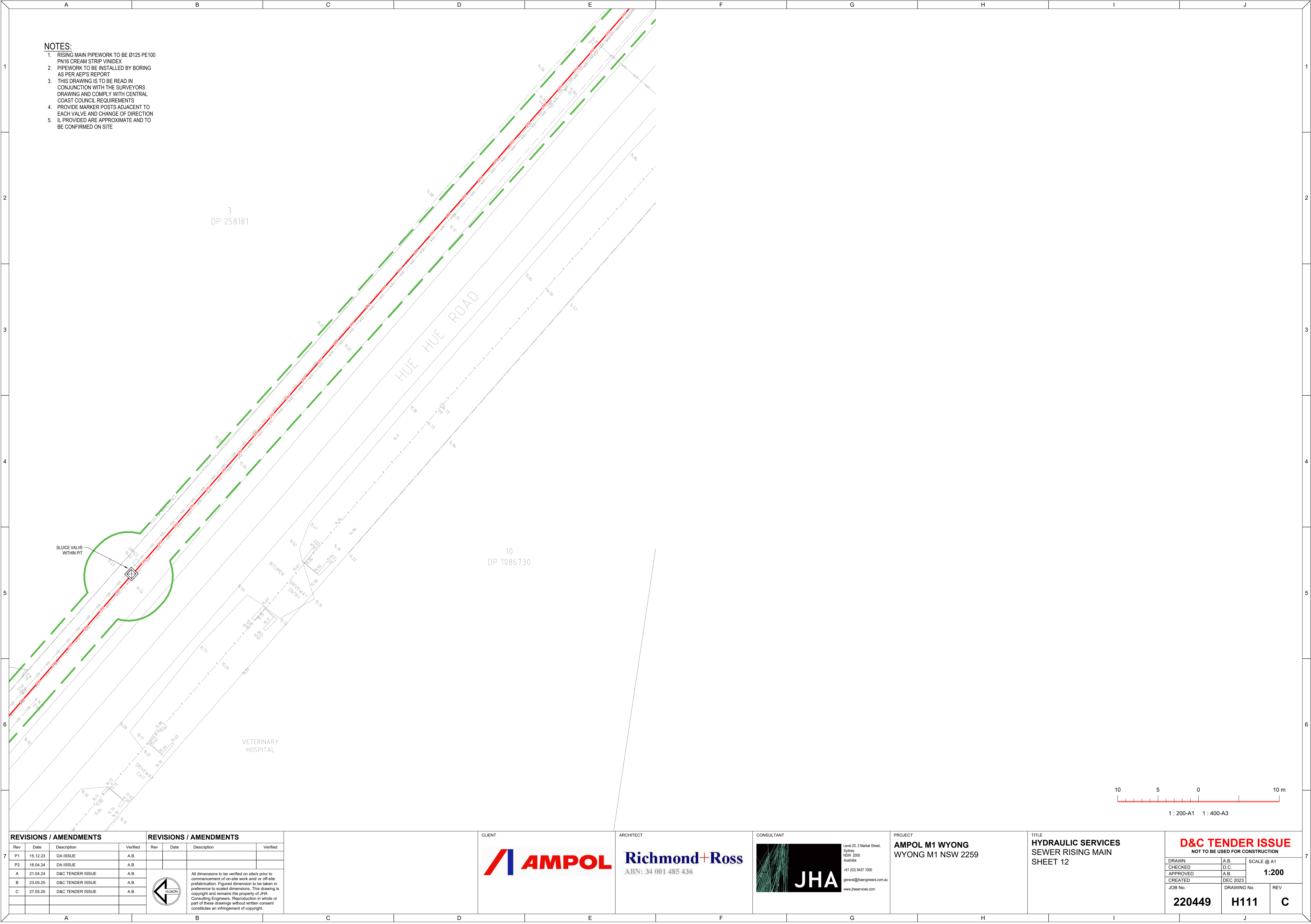
SEWER RISING MAIN

SHEET 11

D&C TENDER ISSUE

NOT TO BE USED FOR CONSTRUCTION

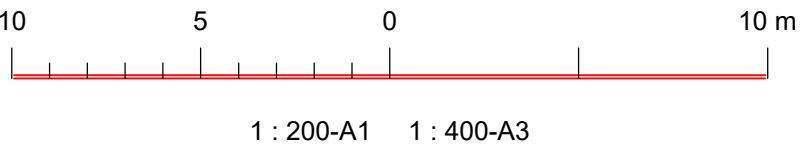
DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	
APPROVED	A.B.	1:200
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H110	C



- NOTES:
- 1. RISING MAIN PIPEWORK TO BE Ø125 PE100
 - 2. PIPEWORK TO BE INSTALLED BY BORING
 - 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 - 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 - 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

3
DP 258181

10
DP 1086730



REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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ARCHITECT

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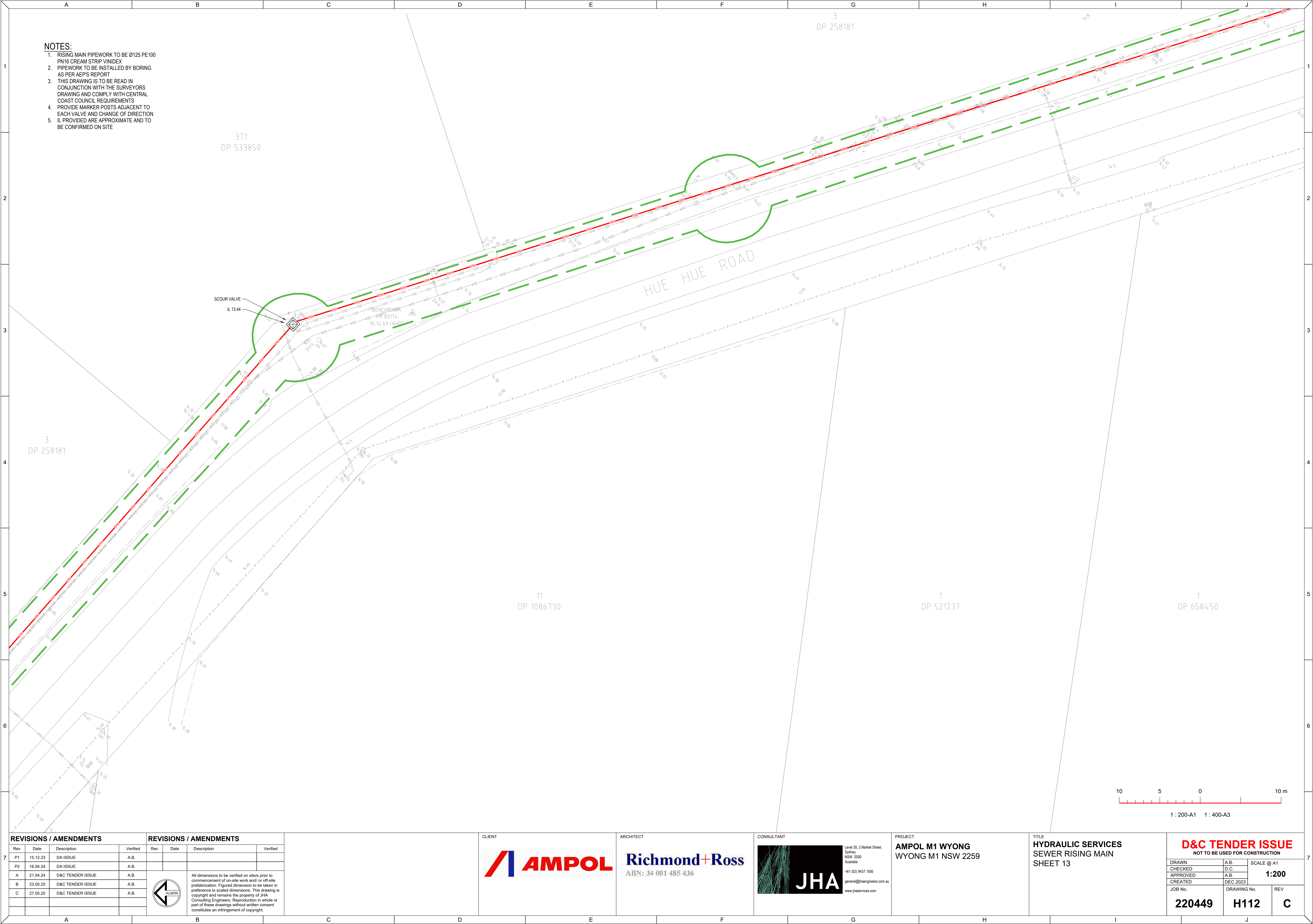
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 12

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	
APPROVED	A.B.	1:200
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H111	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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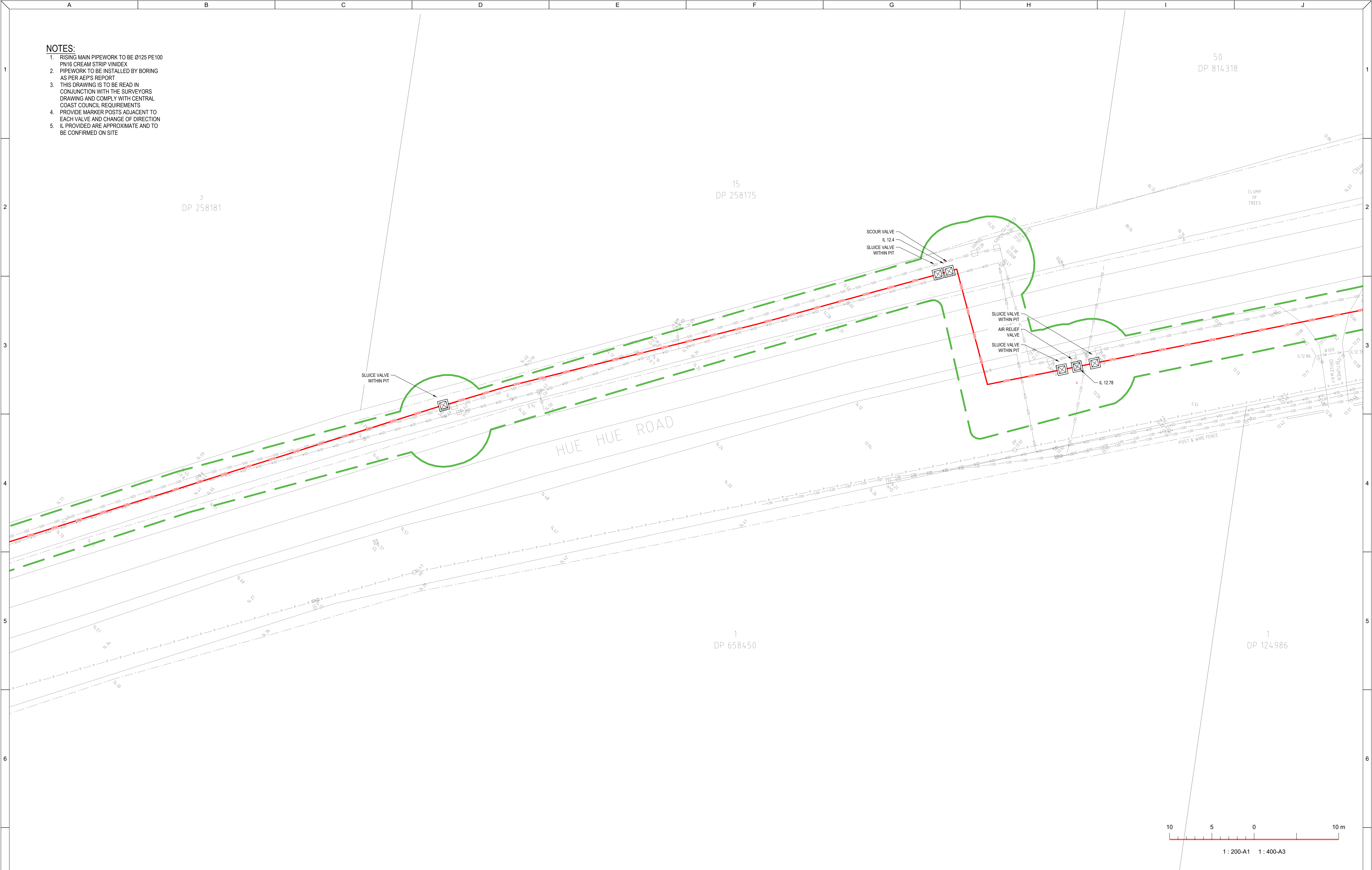
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 13

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H112	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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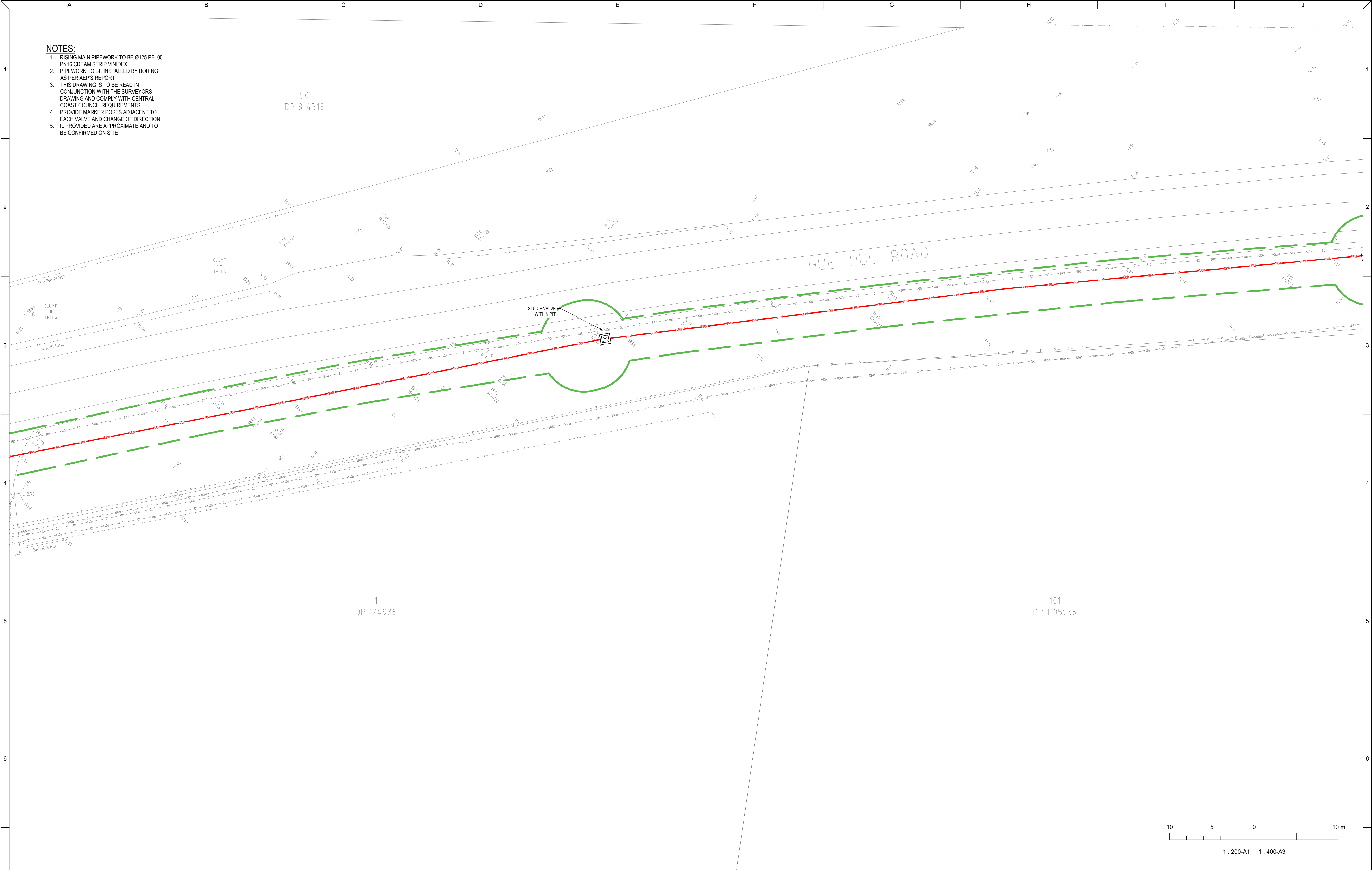
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 14

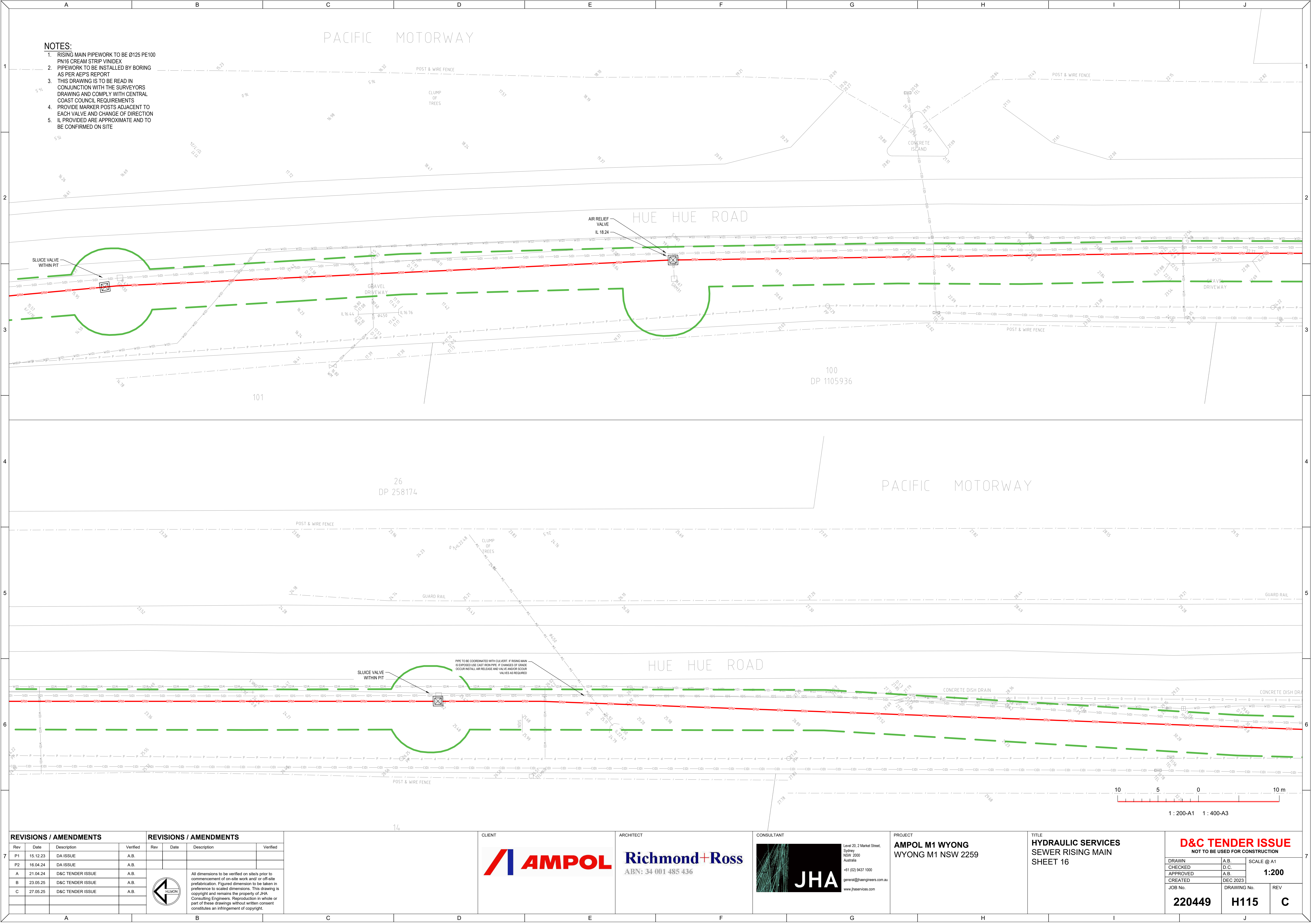
D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

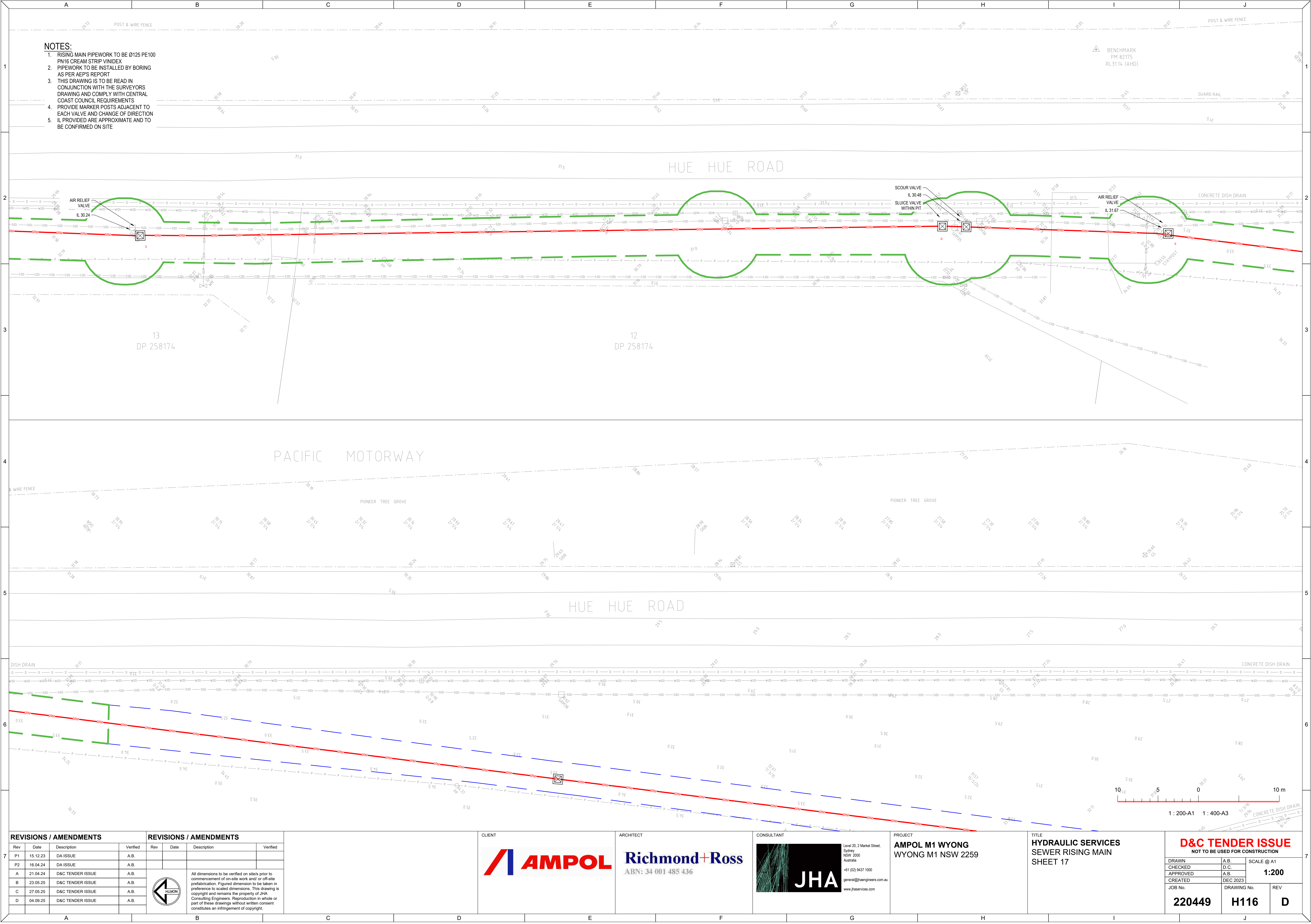
DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H113	C



REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS				CLIENT		ARCHITECT		CONSULTANT		PROJECT		TITLE		D&C TENDER ISSUE	
Rev	Date	Description	Verified	Rev	Date	Description	Verified											NOT TO BE USED FOR CONSTRUCTION	
P1	15.12.23	DA ISSUE	A.B.															SCALE @ A1	
P2	16.04.24	DA ISSUE	A.B.															1:200	
A	21.04.24	D&C TENDER ISSUE	A.B.																
B	23.05.25	D&C TENDER ISSUE	A.B.																
C	27.05.25	D&C TENDER ISSUE	A.B.																





- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100
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 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

BENCHMARK
PM 82175
RL3114 (AHD)

13
DP 258174

12
DP 258174

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				
D	04.09.25	D&C TENDER ISSUE	A.B.				



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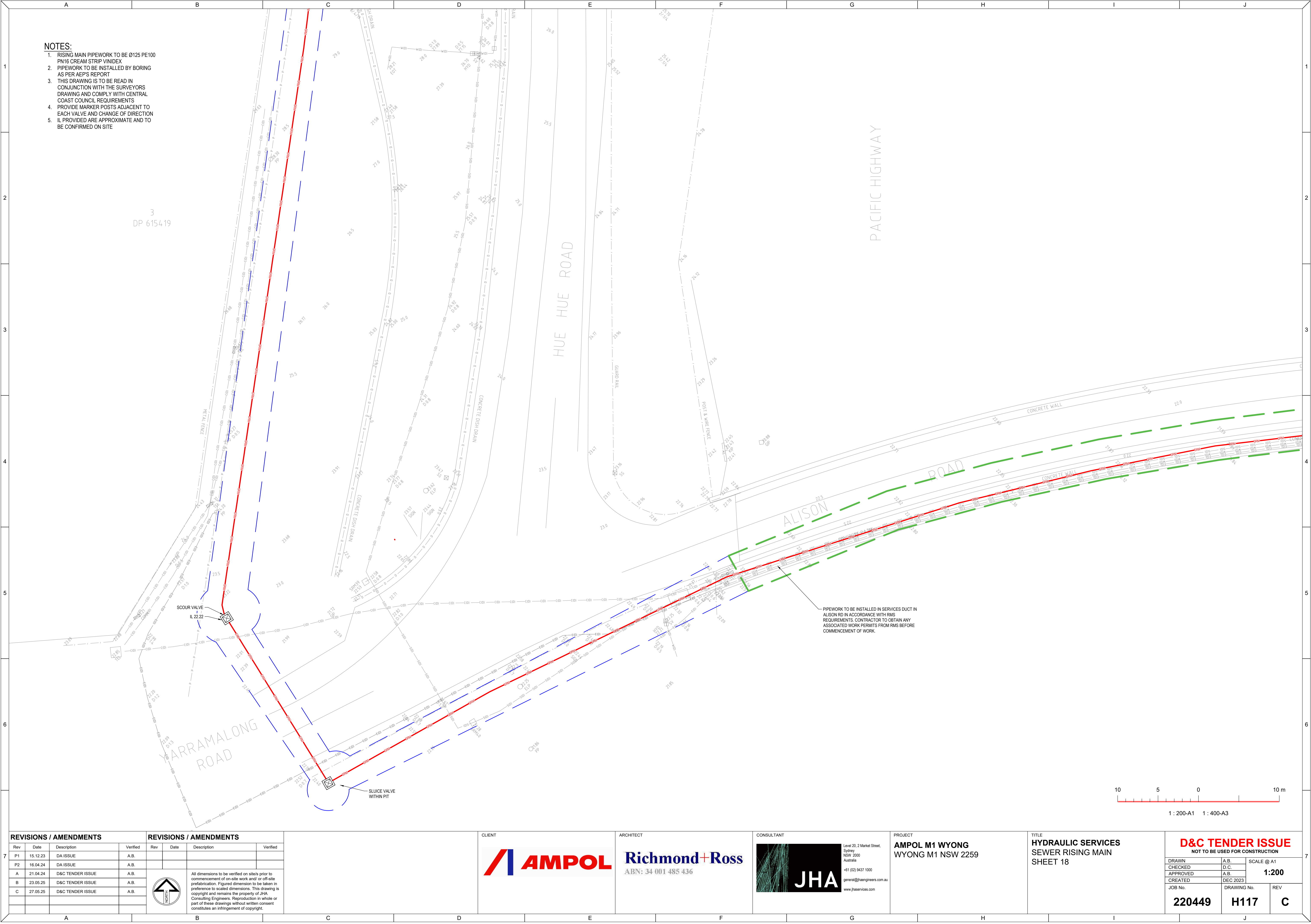
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 17

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H116	D



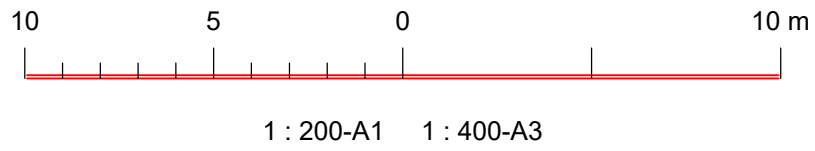
- NOTES:
- 1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 - 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 - 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 - 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 - 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

3
DP 615419

SCOUR VALVE
IL 22.22

SLUICE VALVE
WITHIN P.T.

PIPEWORK TO BE INSTALLED IN SERVICES DUCT IN ALISON RD IN ACCORDANCE WITH RMS REQUIREMENTS. CONTRACTOR TO OBTAIN ANY ASSOCIATED WORK PERMITS FROM RMS BEFORE COMMENCEMENT OF WORK.



REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT

AMPOL M1 WYONG

WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES

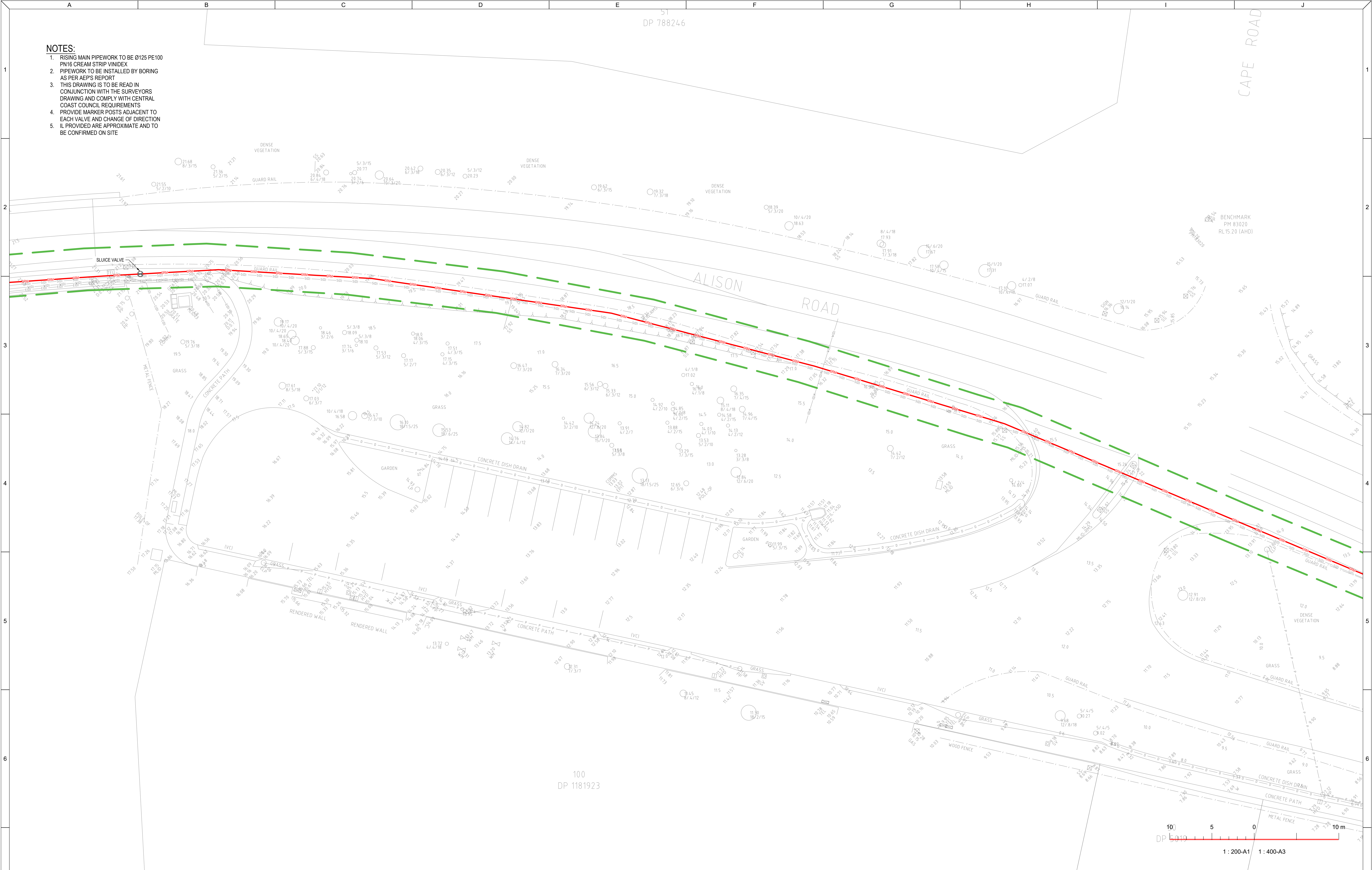
SEWER RISING MAIN

SHEET 18

D&C TENDER ISSUE

NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	
APPROVED	A.B.	1:200
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H117	C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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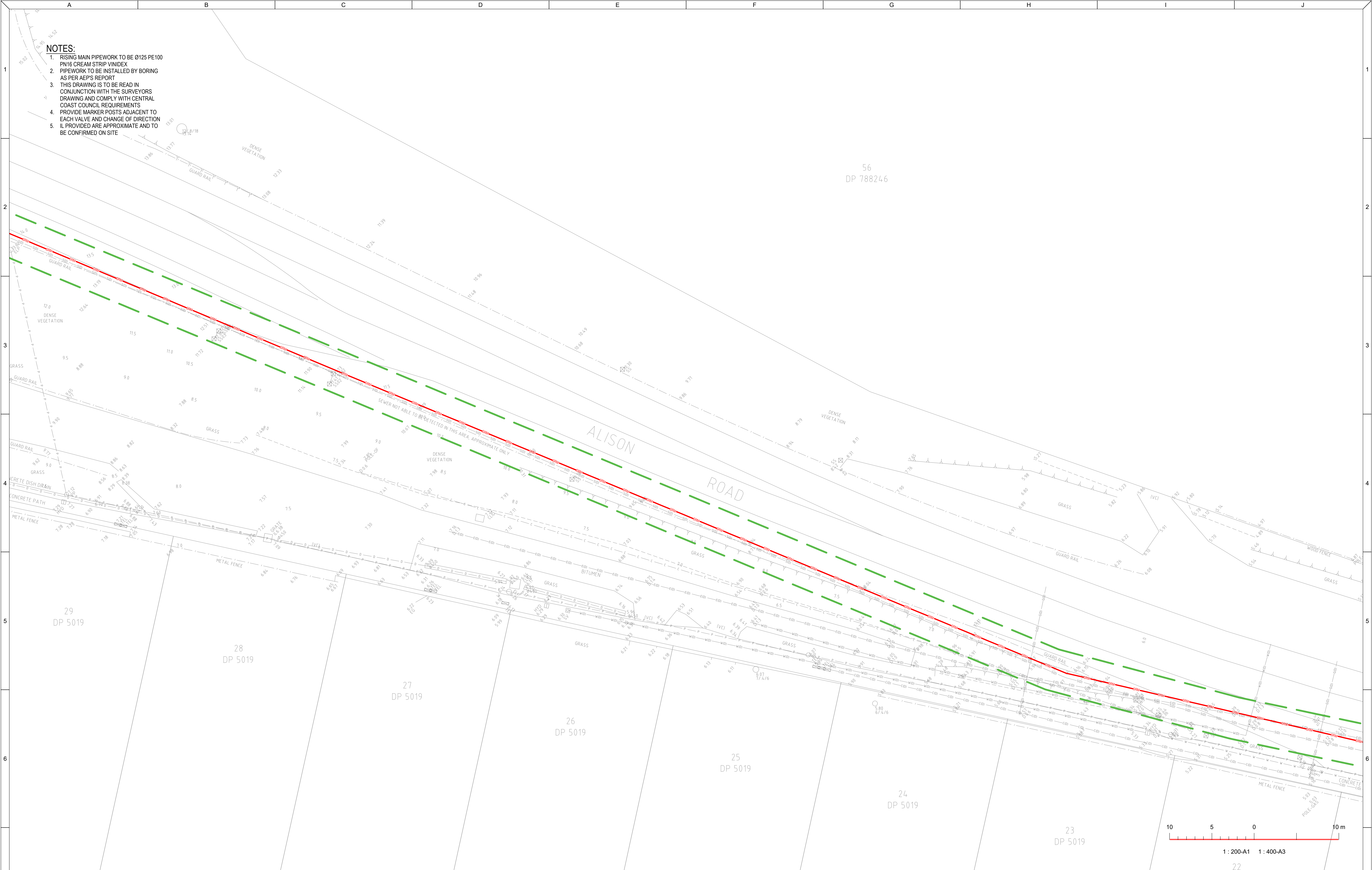
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 19

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H118	C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEK
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT

AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 20

D&C TENDER ISSUE
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DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	
APPROVED	A.B.	1:200
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H119	C

- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100
PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING
AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN
CONJUNCTION WITH THE SURVEYORS
DRAWING AND COMPLY WITH CENTRAL
COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO
EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO
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56
DP 788246

17
SEC. A
DP 5554

18
SEC. A
DP 5554

19
SEC. A
DP 5554

20
SEC. A
DP 5554

21
DP 5019

20
DP 5019

19
DP 5019

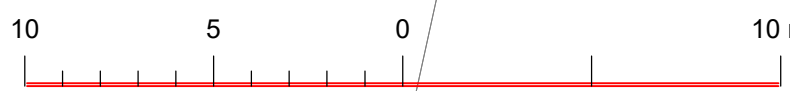
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DP 5019

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DP 5019

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DP 5019

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DP 5019

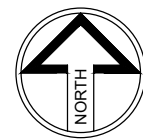


REVISIONS / AMENDMENTS

Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.
P2	16.04.24	DA ISSUE	A.B.
A	21.04.24	D&C TENDER ISSUE	A.B.
B	23.05.25	D&C TENDER ISSUE	A.B.
C	27.05.25	D&C TENDER ISSUE	A.B.

REVISIONS / AMENDMENTS

Rev	Date	Description	Verified



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PROJECT

AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 21

D&C TENDER ISSUE

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DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	DEC 2023	

JOB No.	DRAWING No.	REV
220449	H120	C

NOTES:

1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

21
SEC. A
DP 5554

1
DP 1059616

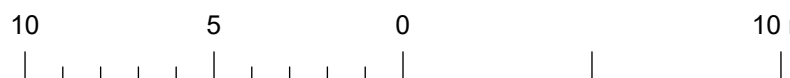
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DP 5019

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DP 5019

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DP 5019

11
DP 5019

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DP 581008



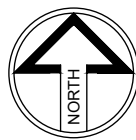
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REVISIONS / AMENDMENTS

Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.
P2	16.04.24	DA ISSUE	A.B.
A	21.04.24	D&C TENDER ISSUE	A.B.
B	23.05.25	D&C TENDER ISSUE	A.B.
C	27.05.25	D&C TENDER ISSUE	A.B.

REVISIONS / AMENDMENTS

Rev	Date	Description	Verified



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PROJECT

AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 22

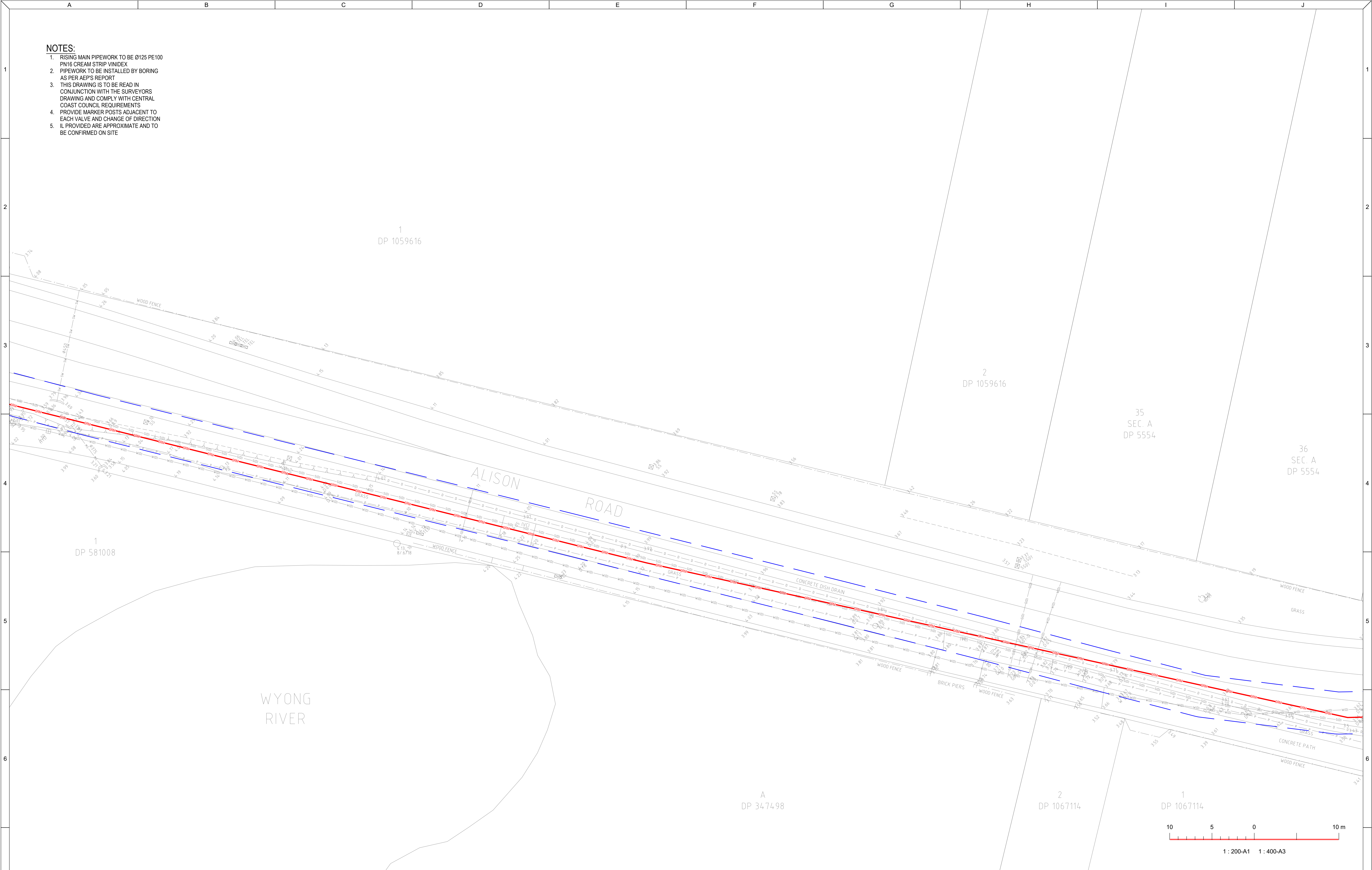
D&C TENDER ISSUE

NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.
CHECKED	D.C.
APPROVED	A.B.
CREATED	DEC 2023

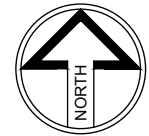
SCALE @ A1
1:200

JOB No.	DRAWING No.	REV
220449	H121	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 23

D&C TENDER ISSUE

NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.
CHECKED	D.C.
APPROVED	A.B.
CREATED	DEC 2023

SCALE @ A1
1:200

JOB No.
220449

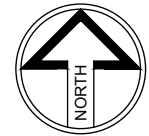
DRAWING No.
H122

REV
C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100
PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING
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DRAWING AND COMPLY WITH CENTRAL
COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO
EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO
BE CONFIRMED ON SITE

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT

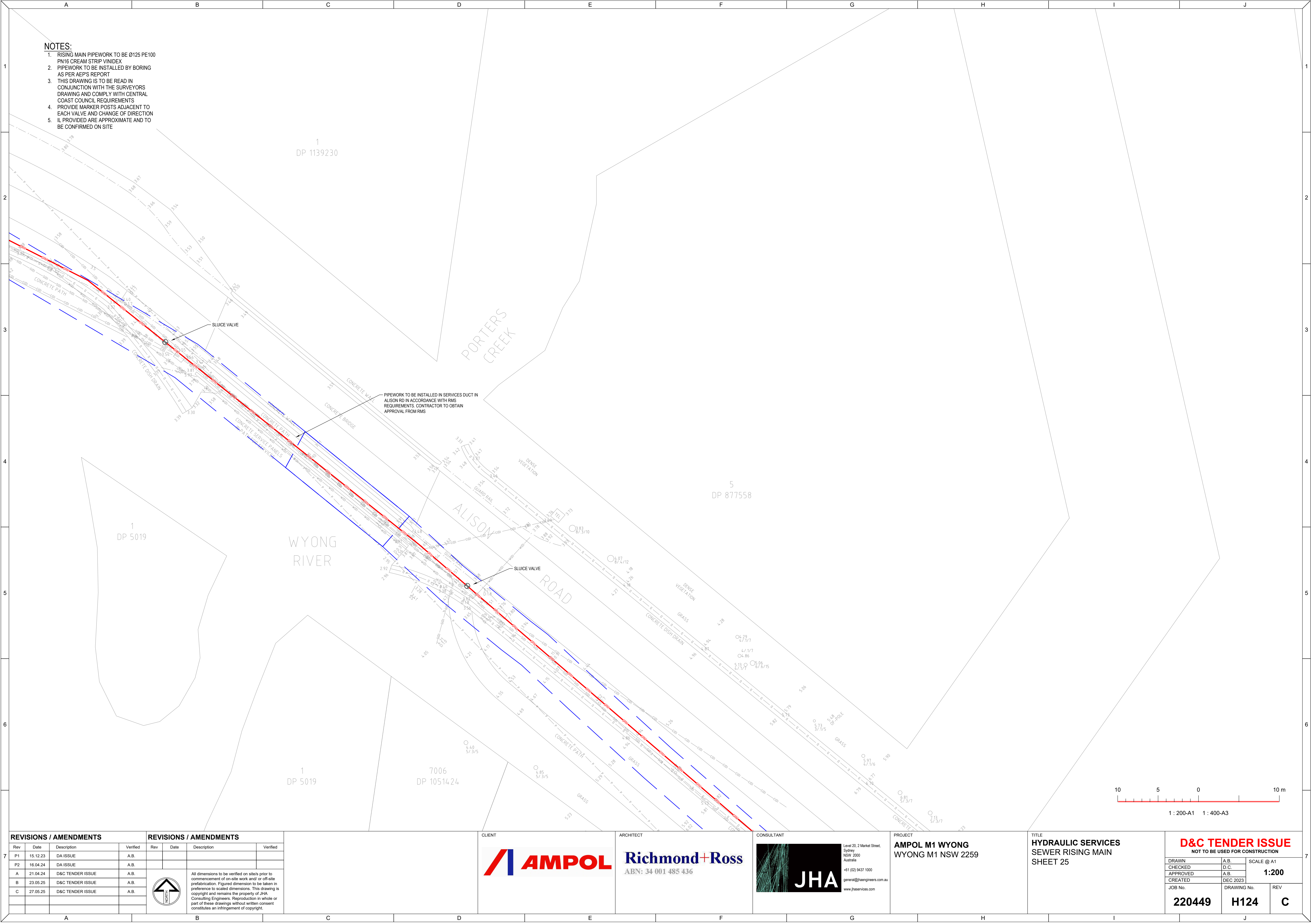
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE

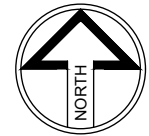
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 24

D&C TENDER ISSUE
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DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H123	C



REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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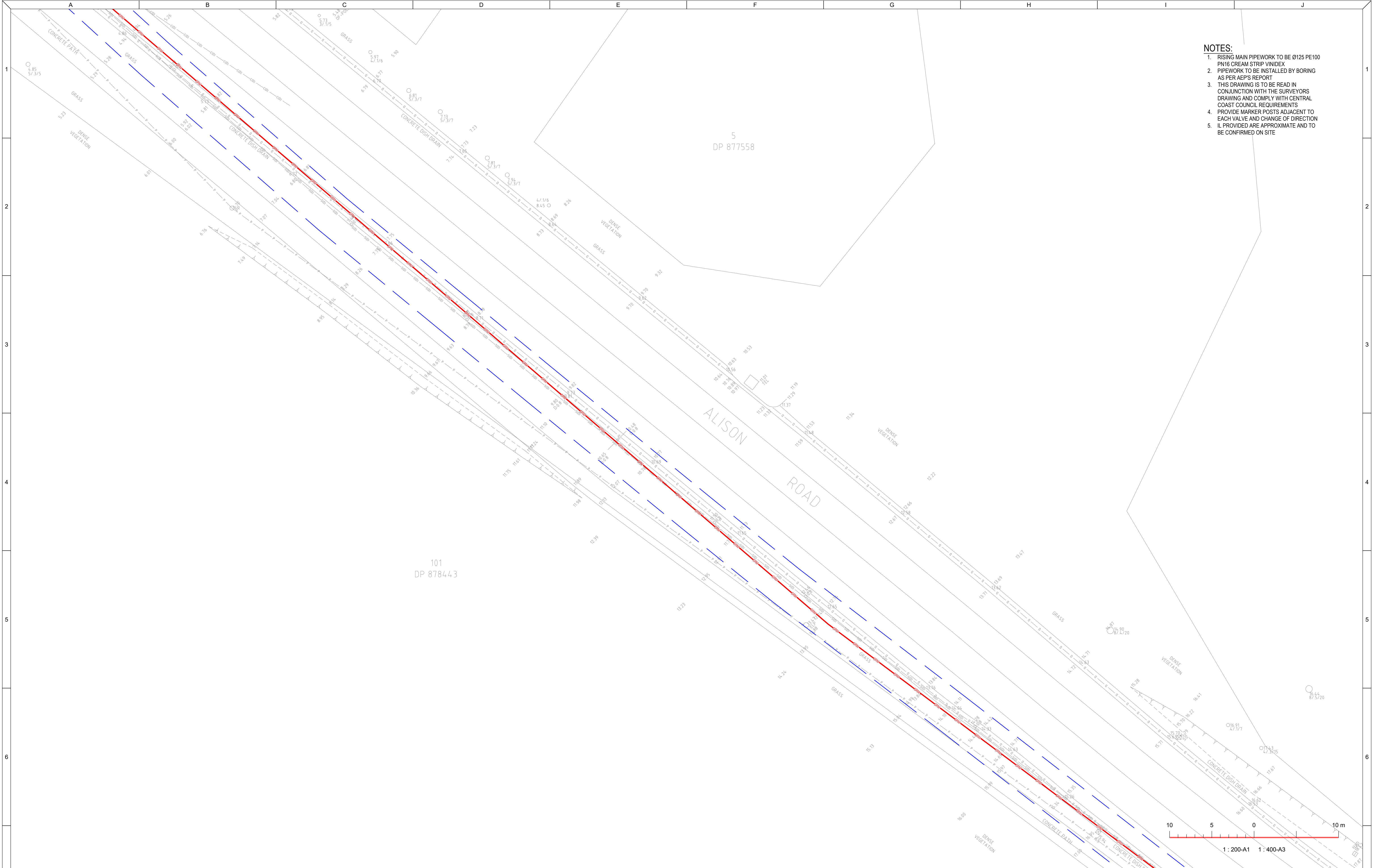


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PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 25

D&C TENDER ISSUE			
NOT TO BE USED FOR CONSTRUCTION			
DRAWN	A.B.	SCALE @ A1	
CHECKED	D.C.	1:200	
APPROVED	A.B.		
CREATED	DEC 2023		
JOB No.	DRAWING No.	REV	
220449	H124	C	



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT

AMPOL M1 WYONG

WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES

SEWER RISING MAIN

SHEET 26

D&C TENDER ISSUE

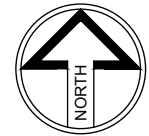
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H125	C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT

AMPOL M1 WYONG

WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES

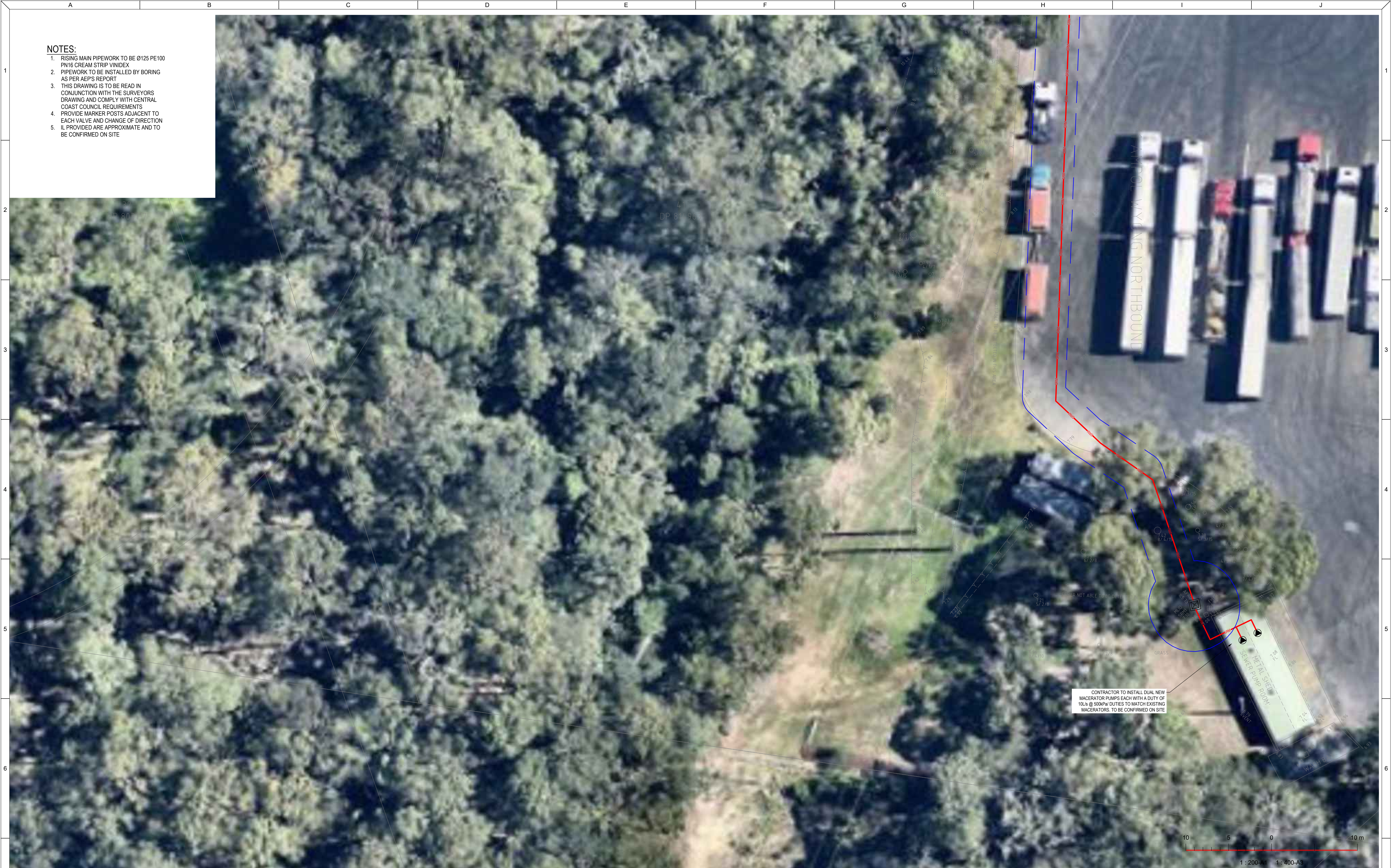
SEWER RISING MAIN

SHEET 27

D&C TENDER ISSUE

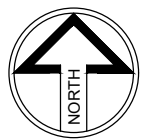
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	
APPROVED	A.B.	1:200
CREATED	DEC 2023	
JOB No.	DRAWING No.	REV
220449	H126	C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
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P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT

AMPOL M1 WYONG

WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES

SEWER RISING MAIN

SHEET 1

D&C TENDER ISSUE

NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	
JOB No.	DRAWING No.	REV
220449	H200	C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT
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WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 2

D&C TENDER ISSUE
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DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	

JOB No.	DRAWING No.	REV
220449	H201	C

NOTES:

1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

PIPE TO BE COORDINATED WITH CULVERT. IF RISING MAIN IS EXPOSED, USE CAST IRON PIPE. IF CHANGES OF GRADE OCCUR, INSTALL AIR RELEASE AND VALVE AND/OR SCOUR VALVES AS REQUIRED.

AIR RELIEF VALVE
SLUICE VALVE WITHIN PIT
IL 9.10

10 5 0 10 m
1:200-A1 1:400-A3

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				

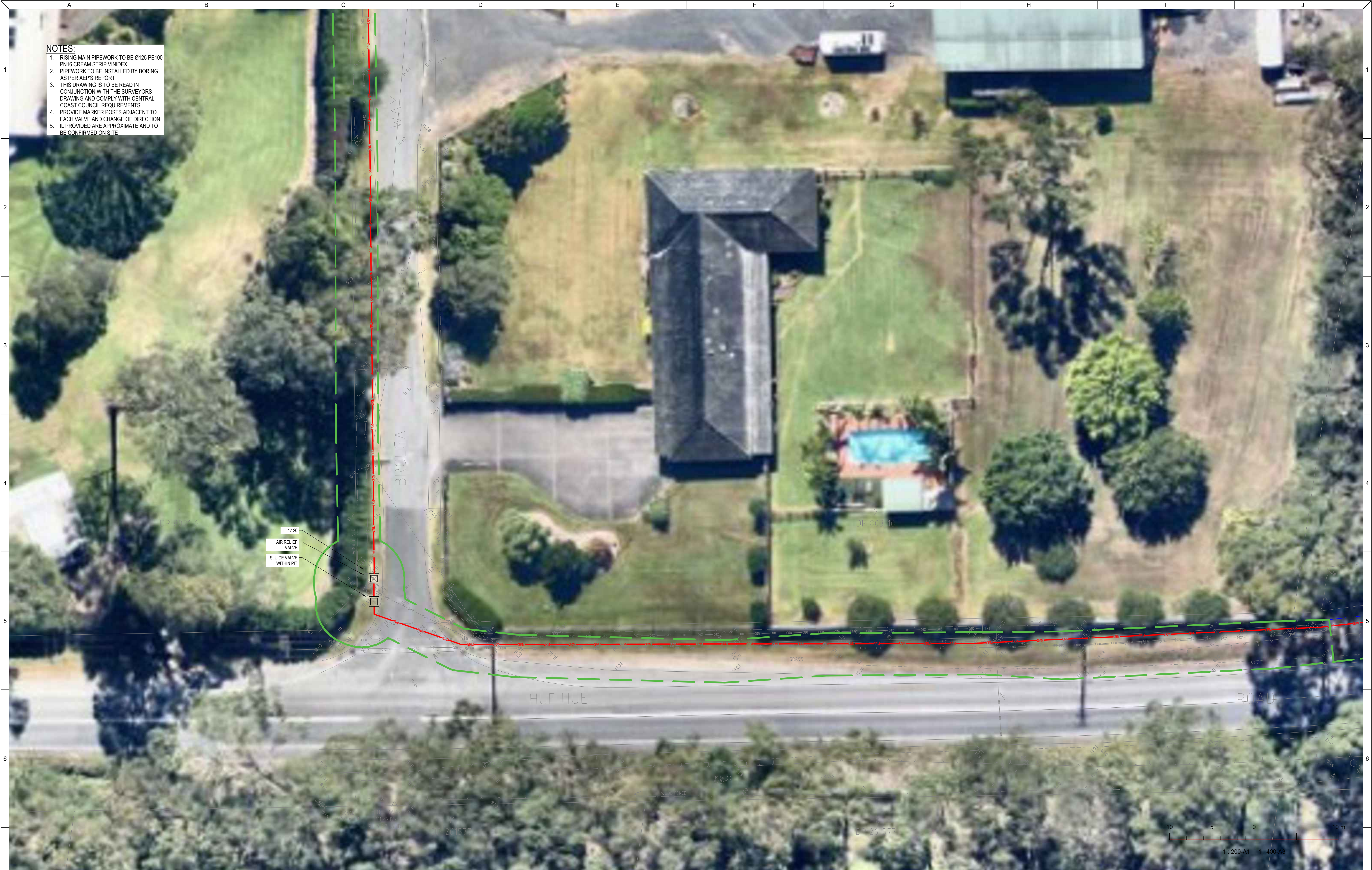
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PROJECT
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WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 3

D&C TENDER ISSUE NOT TO BE USED FOR CONSTRUCTION		
DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	
APPROVED	A.B.	1:200
CREATED	FEB 2025	
JOB No.	DRAWING No.	REV
220449	H202	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT

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WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES

SEWER RISING MAIN

SHEET 4

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DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	
APPROVED	A.B.	1:200
CREATED	FEB 2025	
JOB No.	DRAWING No.	REV
220449	H203	C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT
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TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 5

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DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	FEB 2025	

JOB No.	DRAWING No.	REV
220449	H204	C

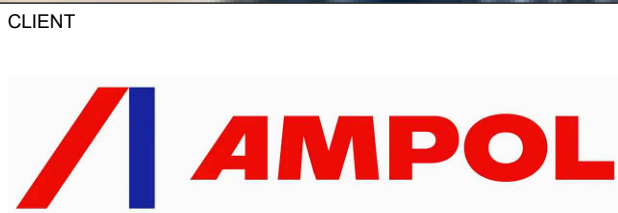


- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100
 2. PIPEWORK TO BE INSTALLED BY BORING
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
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P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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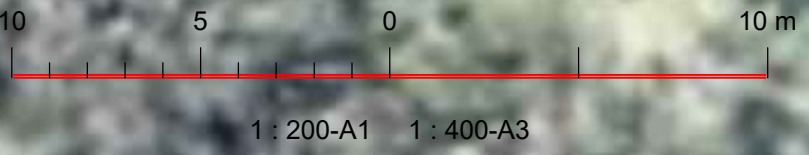
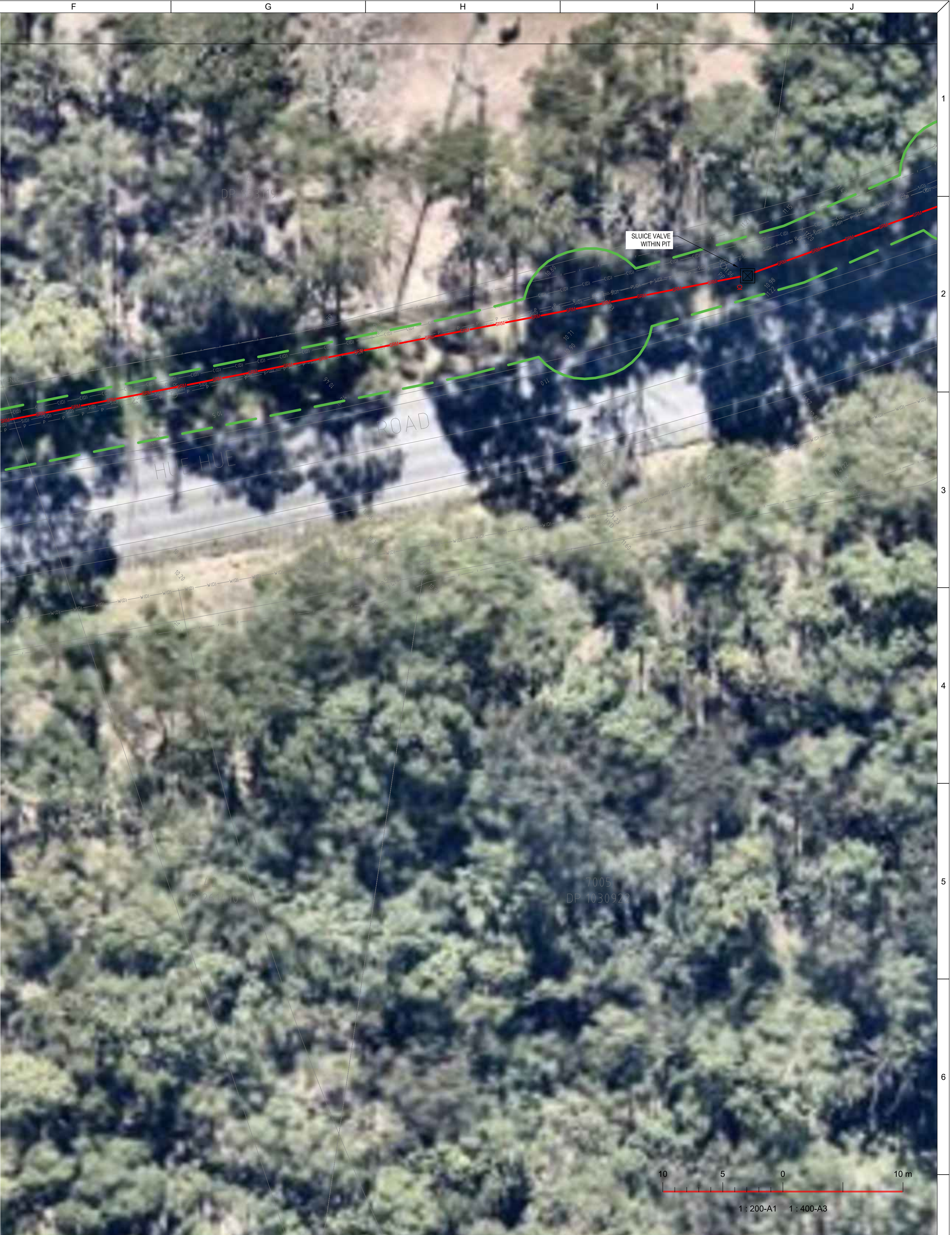
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 6

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	FEB 2025	

JOB No.	DRAWING No.	REV
220449	H205	C



REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT
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TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 7

D&C TENDER ISSUE
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DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	FEB 2025	

JOB No.	DRAWING No.	REV
220449	H206	C

NOTES:

1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
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REVISIONS / AMENDMENTS

Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.
P2	16.04.24	DA ISSUE	A.B.
A	21.04.24	D&C TENDER ISSUE	A.B.
B	23.05.25	D&C TENDER ISSUE	A.B.
C	27.05.25	D&C TENDER ISSUE	A.B.

REVISIONS / AMENDMENTS

Rev	Date	Description	Verified

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PROJECT

TITLE

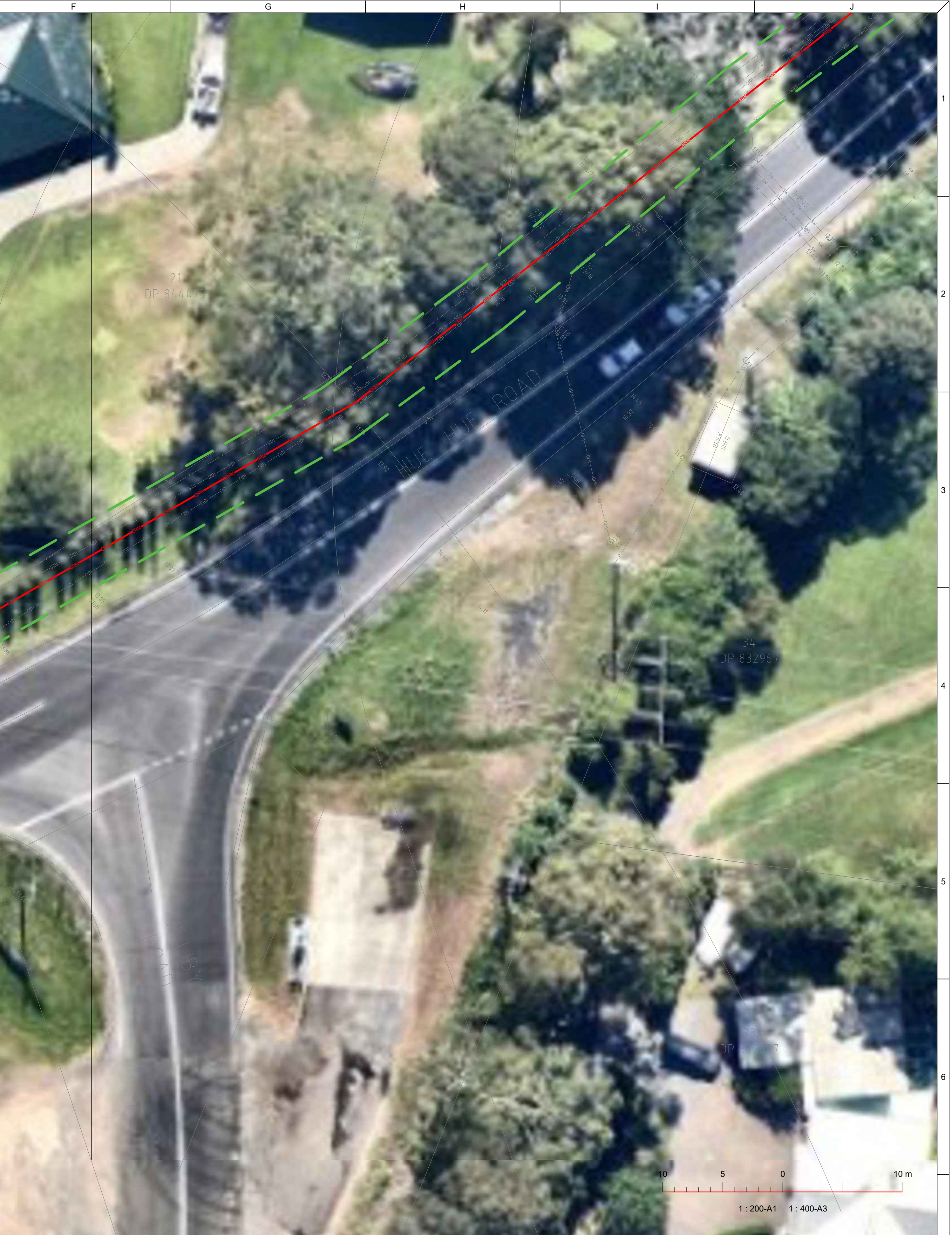
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SCALE @ A1

1:200

220449 H207 C



REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
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B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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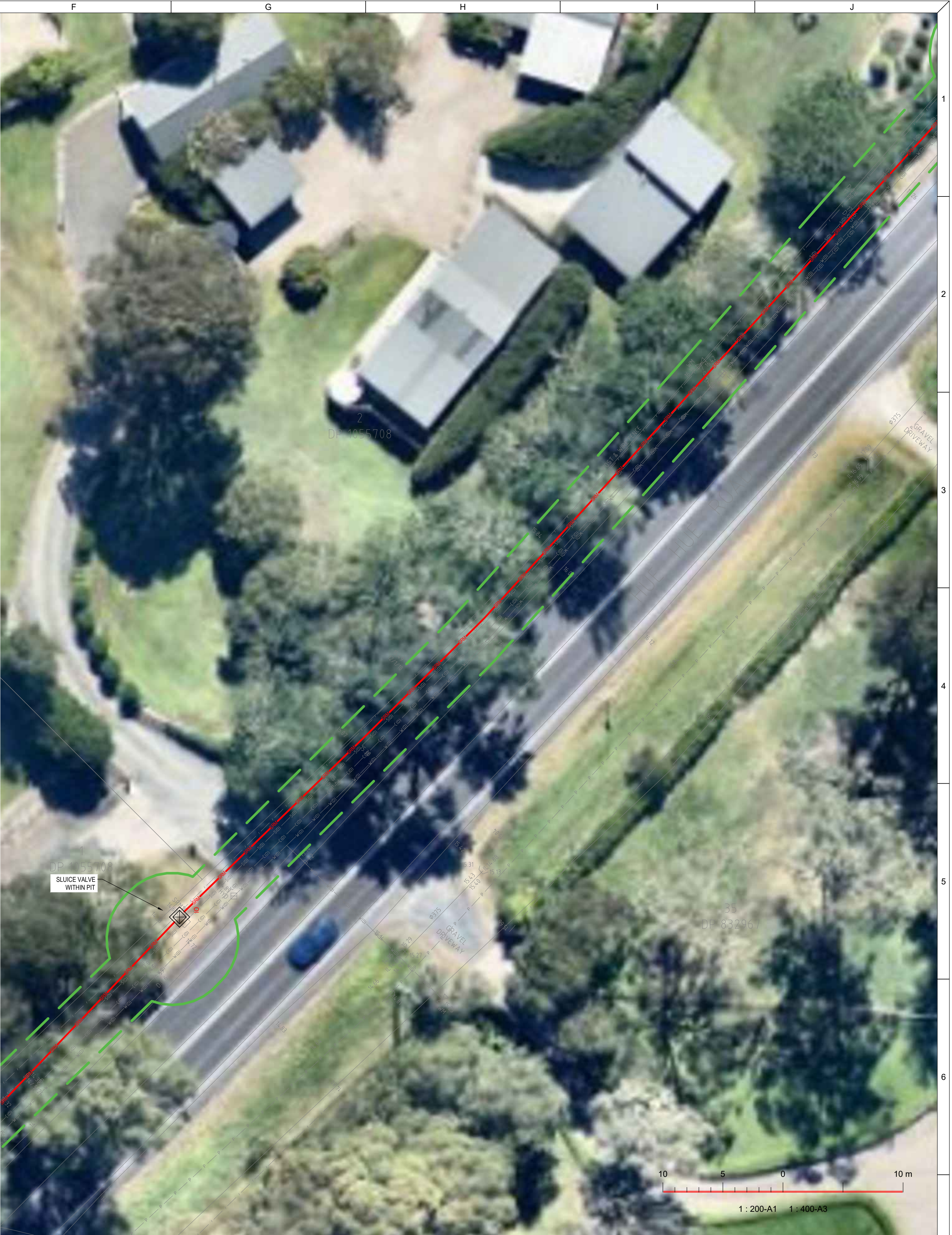
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 9

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	FEB 2025	

JOB No.	DRAWING No.	REV
220449	H208	C



NOTES:

1. RISING MAIN PIPEWORK TO BE Ø125 PE100
PN16 CREAM STRIP VINIDEX

2. PIPEWORK TO BE INSTALLED BY BORING
AS PER AEP'S REPORT

3. THIS DRAWING IS TO BE READ IN
CONJUNCTION WITH THE SURVEYORS
DRAWING AND COMPLY WITH CENTRAL
COAST COUNCIL REQUIREMENTS

4. PROVIDE MARKER POSTS ADJACENT TO
EACH VALVE AND CHANGE OF DIRECTION

5. I.L PROVIDED ARE APPROXIMATE AND TO
BE CONFIRMED ON SITE

REVISIONS / AMENDMENTS

Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.
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A	21.04.24	D&C TENDER ISSUE	A.B.
B	23.05.25	D&C TENDER ISSUE	A.B.
C	27.05.25	D&C TENDER ISSUE	A.B.

REVISIONS / AMENDMENTS

Rev	Date	Description	Verified

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ARCHITECT

Richmond+Ross

ABN: 34 001 485 436

CONSULTANT

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Sydney
NSW 2000
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general@haengineers.com.au
www.haengineers.com

PROJECT

AMPOL M1 WYONG

WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES

SEWER RISING MAIN

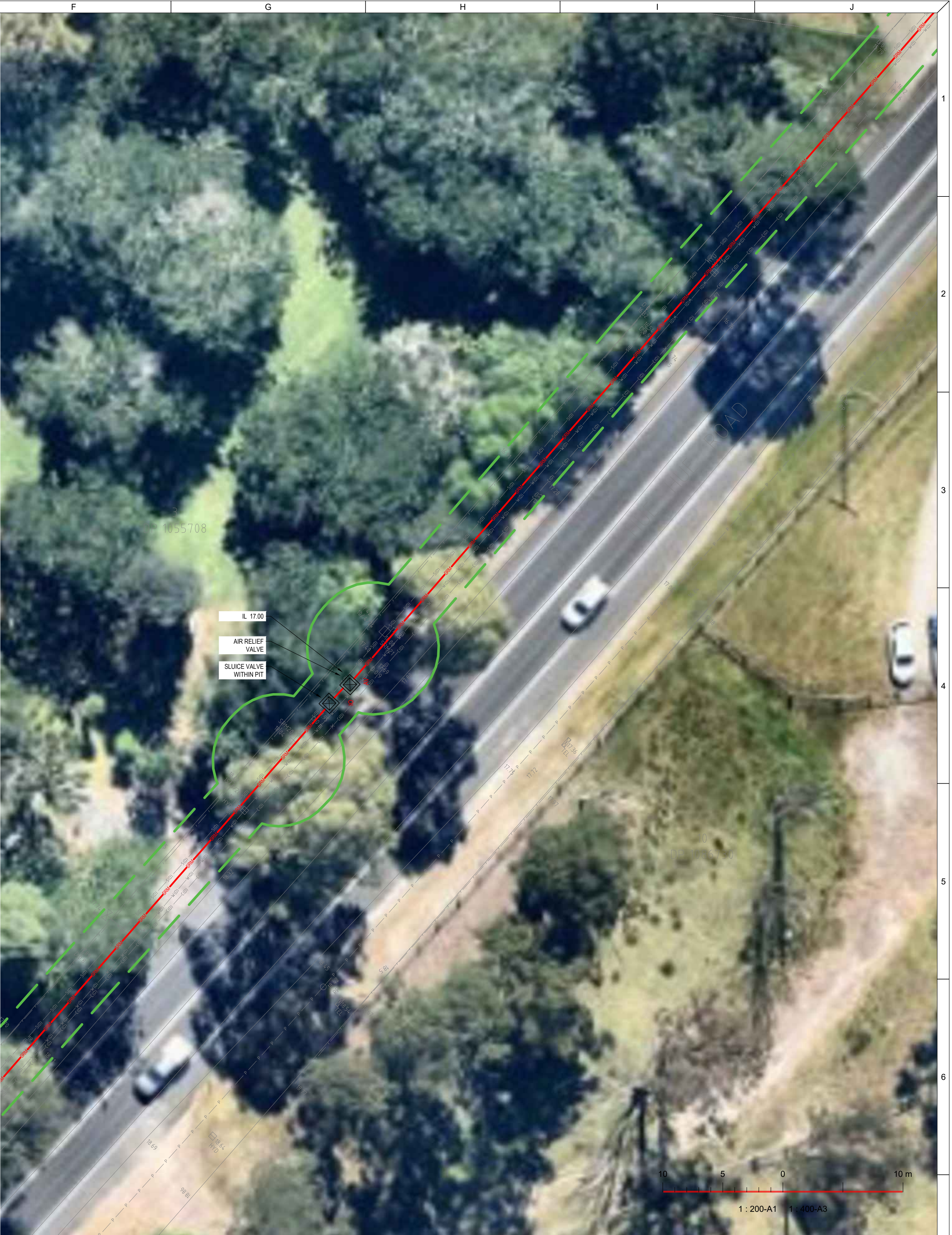
SHEET 10

D&C TENDER ISSUE

NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	

JOB No.	DRAWING No.	REV
220449	H209	C



REVISED / AMENDMENTS

Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.
P2	16.04.24	DA ISSUE	A.B.
A	21.04.24	D&C TENDER ISSUE	A.B.
B	23.05.25	D&C TENDER ISSUE	A.B.
C	27.05.25	D&C TENDER ISSUE	A.B.

REVISED / AMENDMENTS

Rev	Date	Description	Verified

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ARCHITECT

ABN: 34 001 485 436

CONSULTANT

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Sydney NSW 2000
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www.haengineers.com

PROJECT

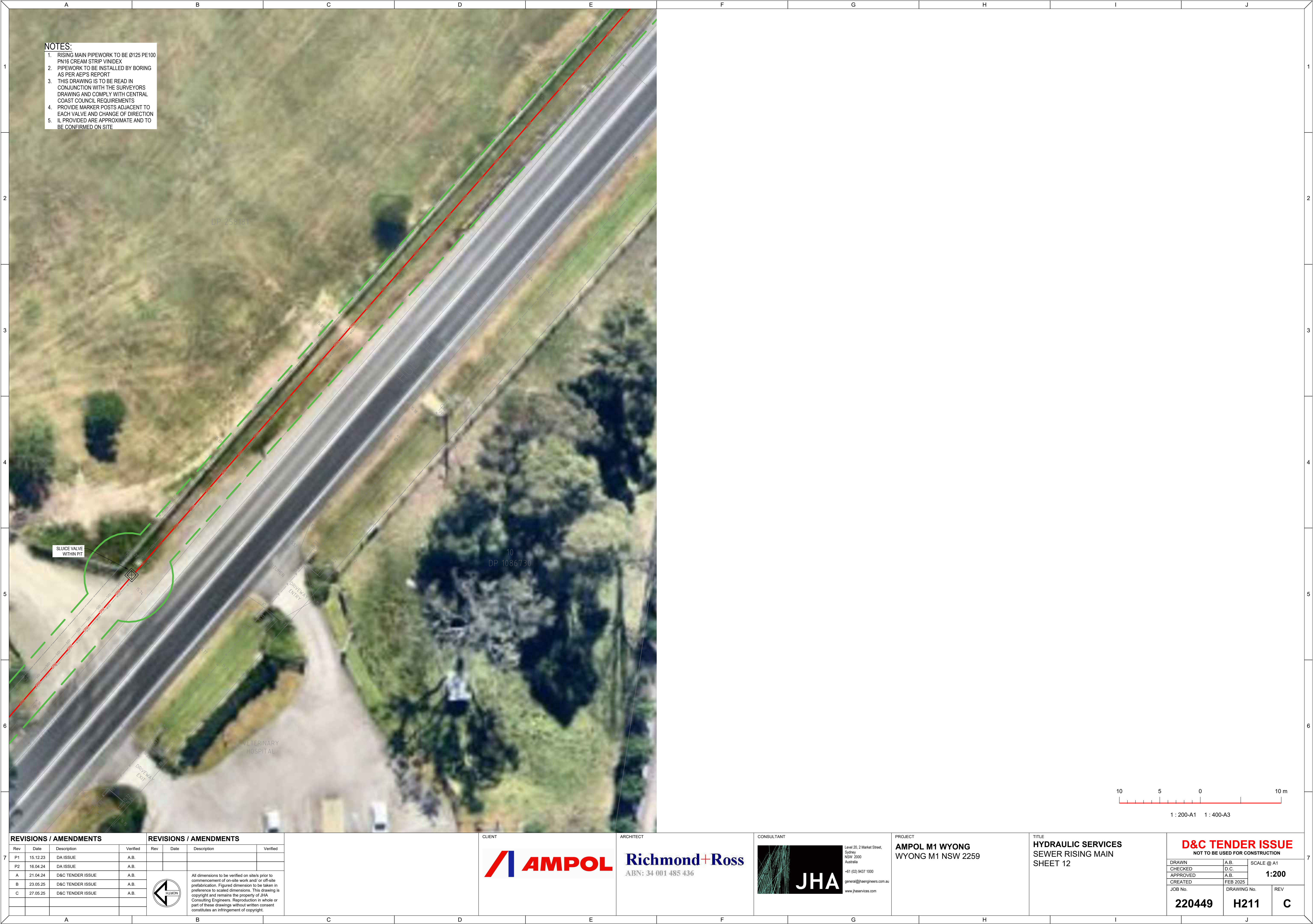
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 11

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	
JOB No.	DRAWING No.	REV
220449	H210	C





- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100
 2. PIPEWORK TO BE INSTALLED BY BORING
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 13

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	
JOB No.	DRAWING No.	REV
220449	H212	C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 14

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	
JOB No.	DRAWING No.	REV
220449	H213	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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PROJECT
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WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 15

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	FEB 2025	
JOB No.	DRAWING No.	REV
220449	H214	C

NOTES:

1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 17

REVISIONS / AMENDMENTS

Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.
P2	16.04.24	DA ISSUE	A.B.
A	21.04.24	D&C TENDER ISSUE	A.B.
B	23.05.25	D&C TENDER ISSUE	A.B.
C	27.05.25	D&C TENDER ISSUE	A.B.

REVISIONS / AMENDMENTS

Rev	Date	Description	Verified

CLIENT

ARCHITECT

CONSULTANT

PROJECT

TITLE

SCALE @ A1

1:200

220449

H216

C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE
 5. EXISTING SEWER LINE TO BE REMOVED AND REPLACED WITHIN BRIDGE SERVICE DUCTS (TYPICAL OF BRIDGE WORKS)

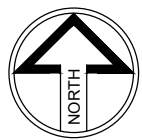
PIPEWORK TO BE INSTALLED IN SERVICES DUCT IN ALISON RD IN ACCORDANCE WITH RMS REQUIREMENTS. CONTRACTOR TO OBTAIN ANY ASSOCIATED WORK PERMITS FROM RMS BEFORE COMMENCEMENT OF WORK. AS TYPICAL NOTATION TO REMOVE AND REPLACE PIPEWORK SERVICES DUCT.

REVISIONS / AMENDMENTS

Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.
P2	16.04.24	DA ISSUE	A.B.
A	21.04.24	D&C TENDER ISSUE	A.B.
B	23.05.25	D&C TENDER ISSUE	A.B.
C	27.05.25	D&C TENDER ISSUE	A.B.

REVISIONS / AMENDMENTS

Rev	Date	Description	Verified



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www.jhaservices.com

PROJECT

AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE

HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 18

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

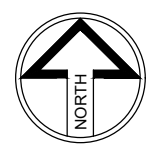
DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	
APPROVED	A.B.	1:200
CREATED	FEB 2025	

JOB No.	DRAWING No.	REV
220449	H217	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 OREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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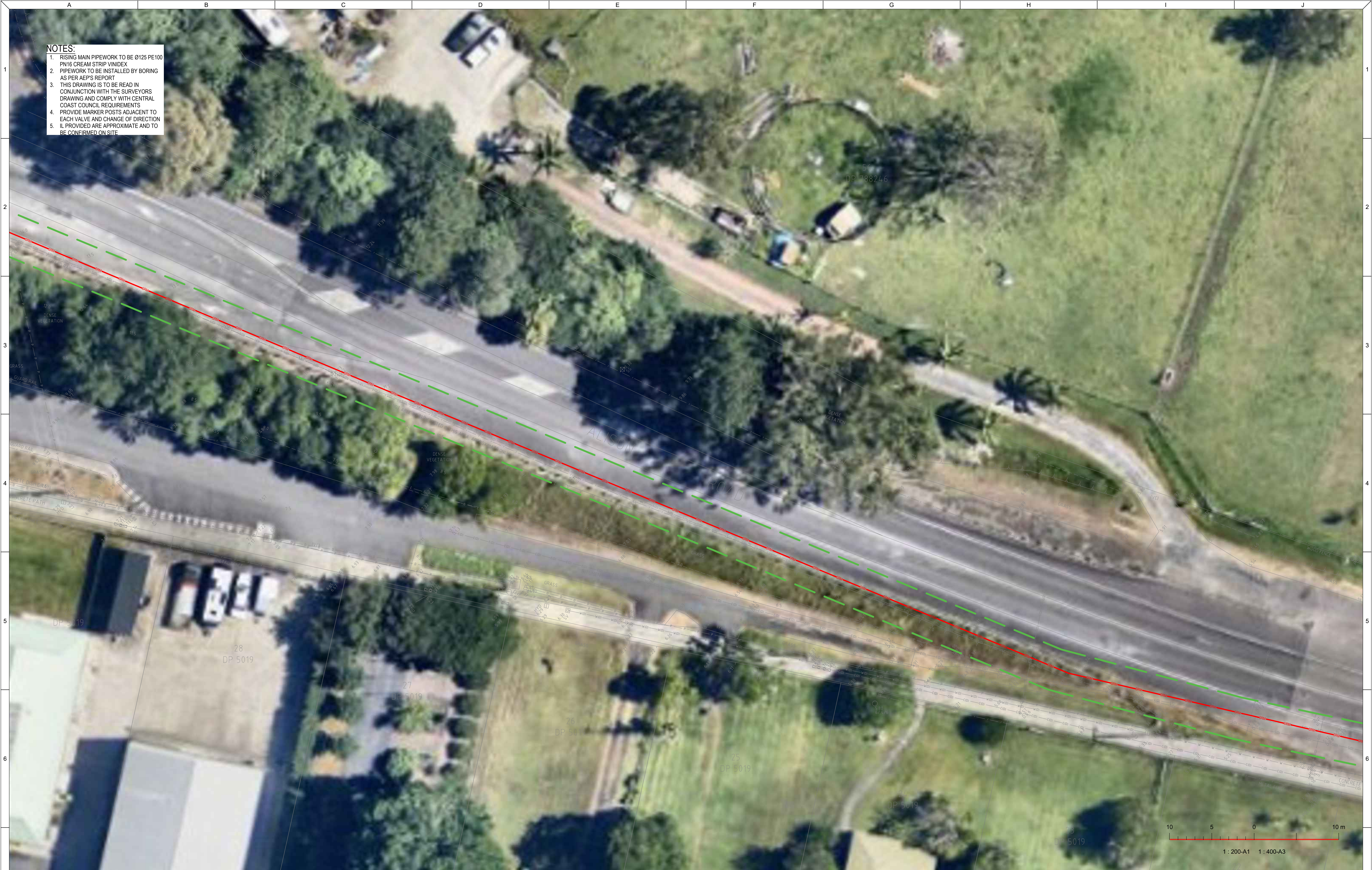


PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 19

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	
JOB No.	DRAWING No.	REV
220449	H218	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 20

D&C TENDER ISSUE			
NOT TO BE USED FOR CONSTRUCTION			
DRAWN	A.B.	SCALE @ A1	
CHECKED	D.C.	1:200	
APPROVED	A.B.		
CREATED	FEB 2025		
JOB No.	DRAWING No.	REV	
220449	H219	C	



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
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REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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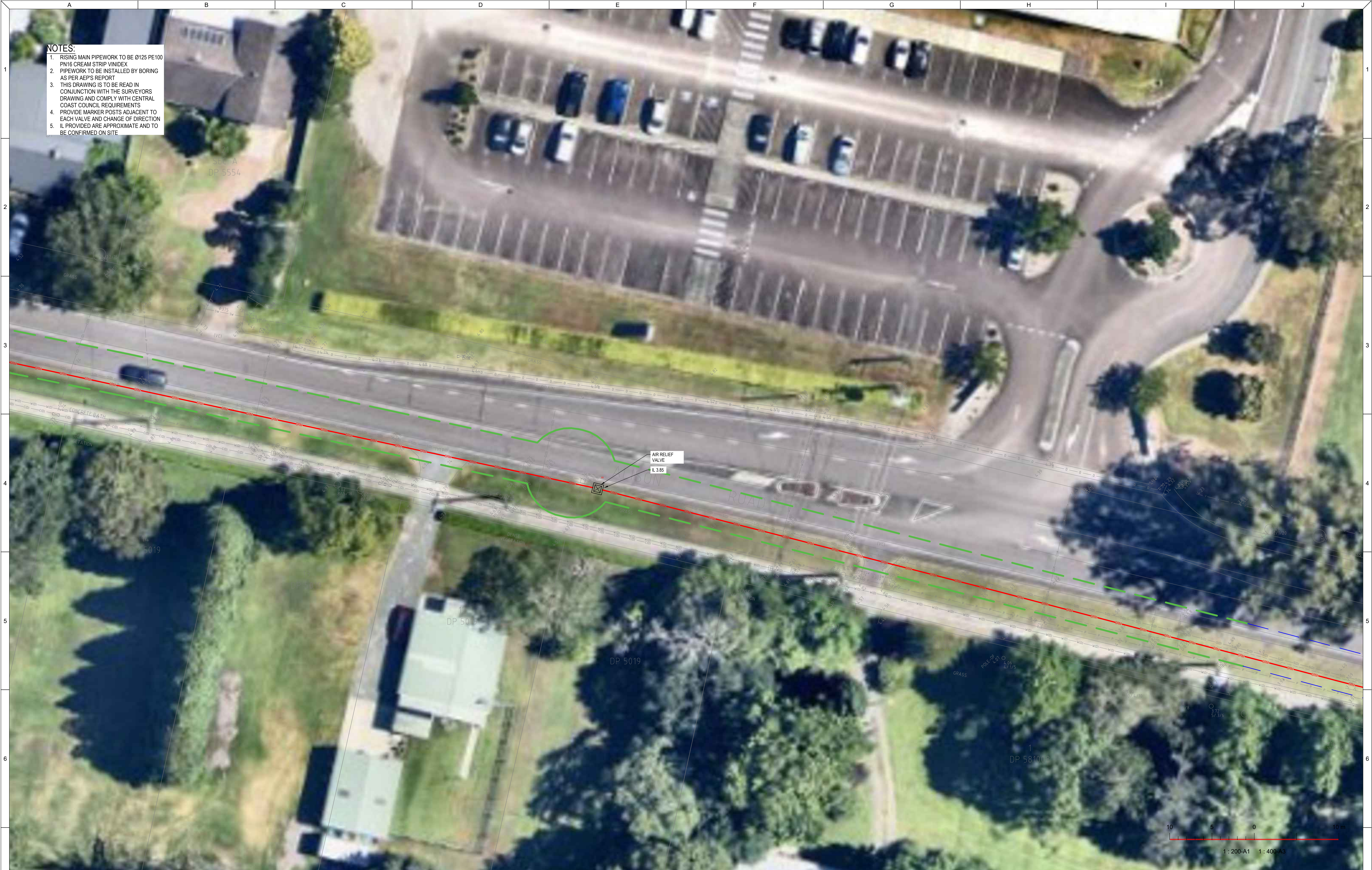


PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 21

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	
JOB No.	DRAWING No.	REV
220449	H220	C



- NOTES:
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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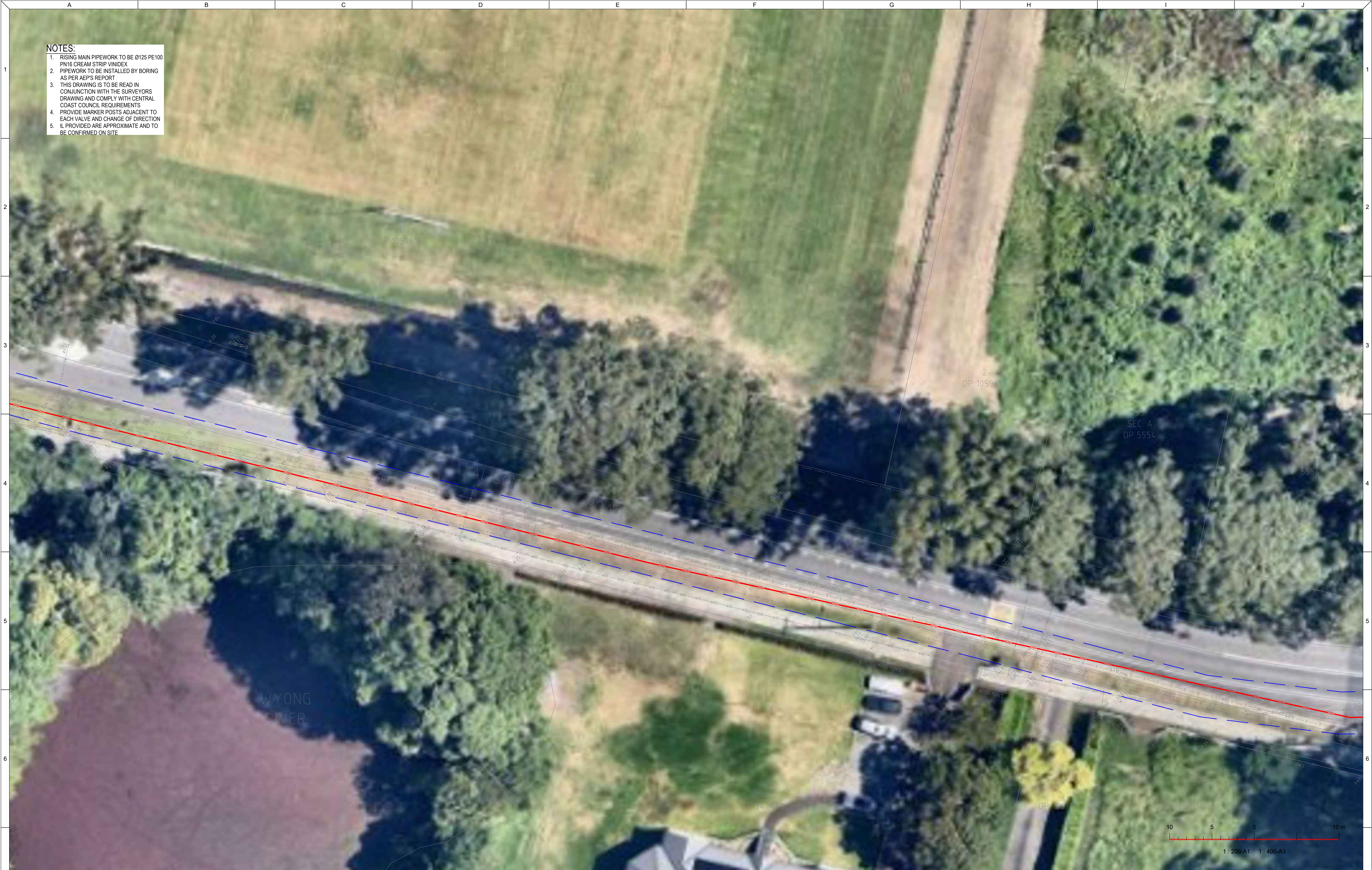


PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 22

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	
JOB No.	DRAWING No.	REV
220449	H221	C

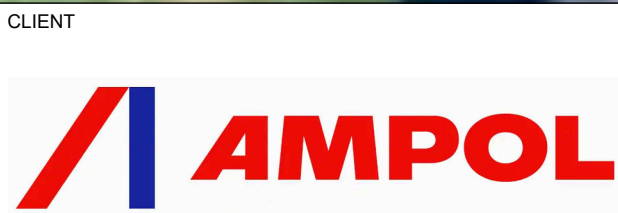


- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
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 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

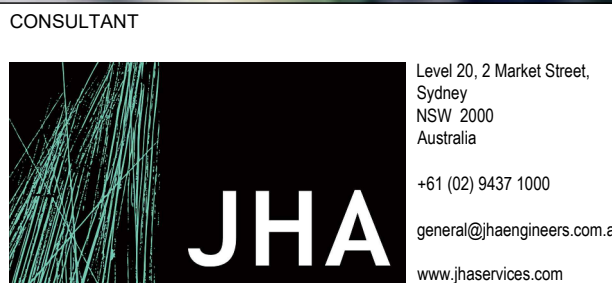
REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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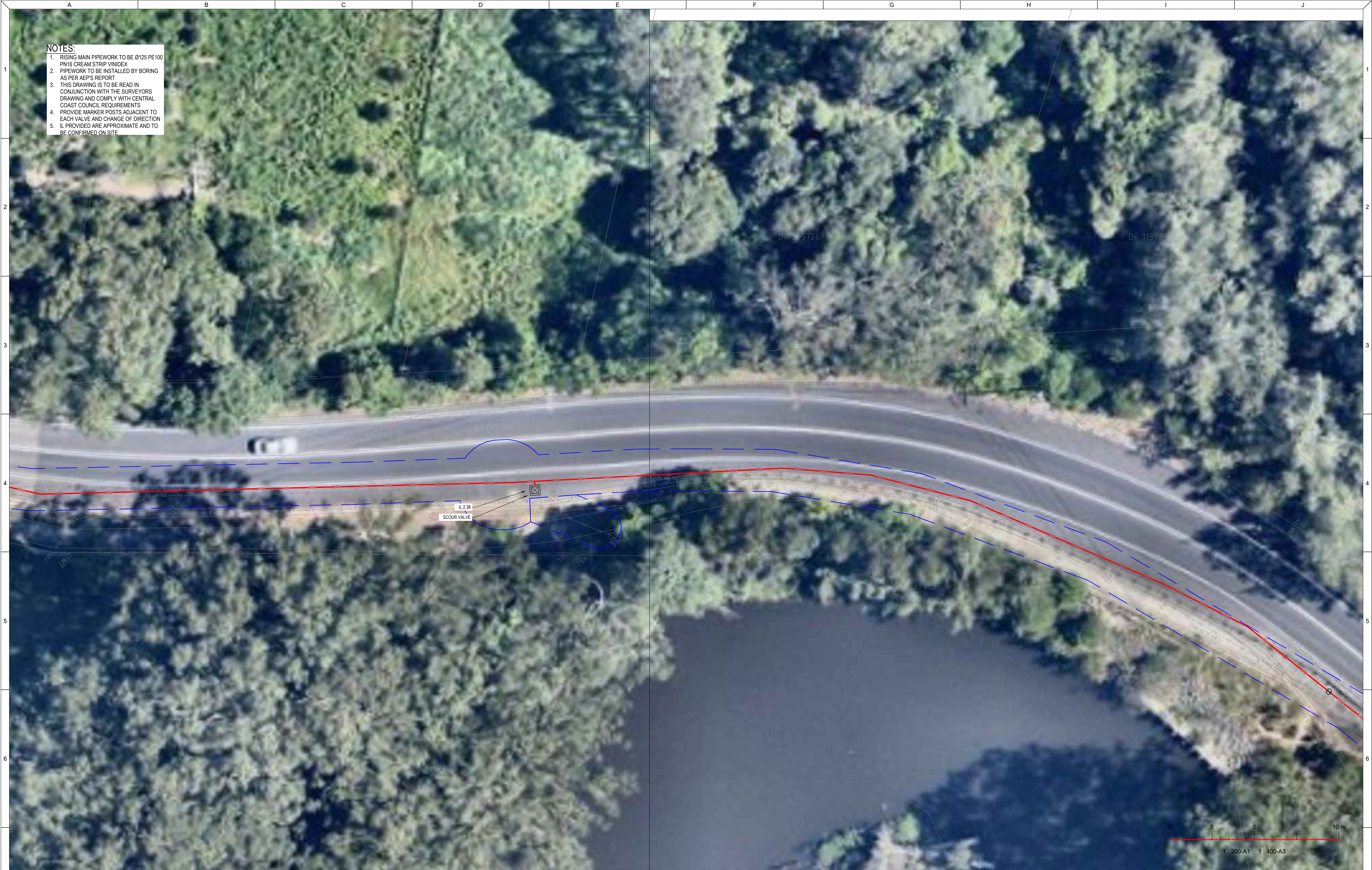
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 23

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

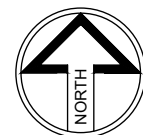
DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	

JOB No.	DRAWING No.	REV
220449	H222	C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

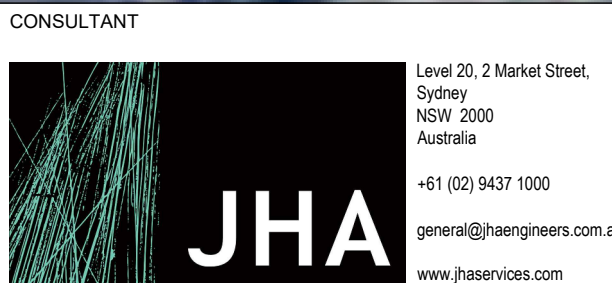
REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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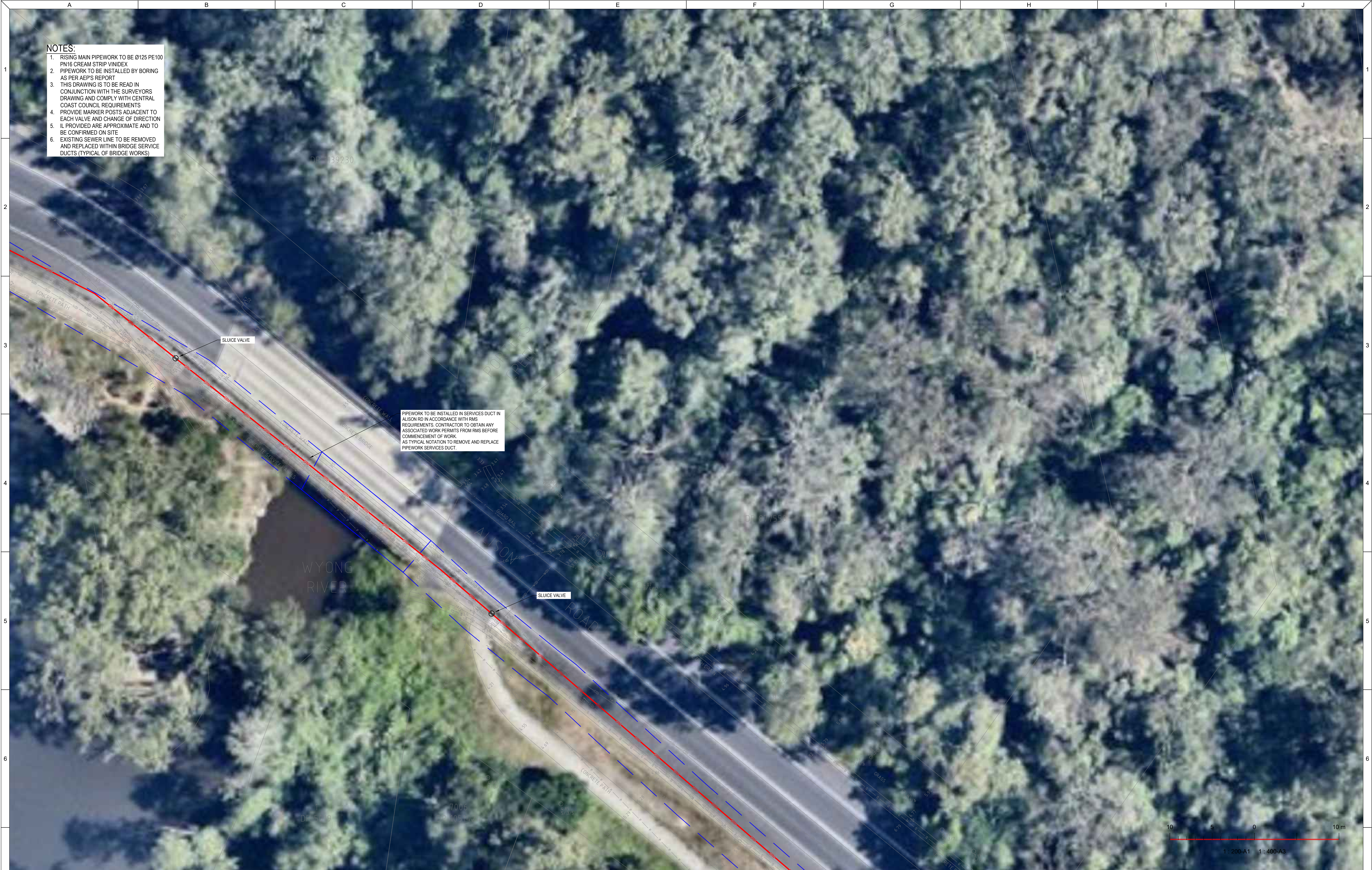
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 24

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	FEB 2025	

JOB No.	DRAWING No.	REV
220449	H223	C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE
 5. EXISTING SEWER LINE TO BE REMOVED AND REPLACED WITHIN BRIDGE SERVICE DUCTS (TYPICAL OF BRIDGE WORKS)

PIPEWORK TO BE INSTALLED IN SERVICES DUCT IN ALISON RD IN ACCORDANCE WITH RMS REQUIREMENTS. CONTRACTOR TO OBTAIN ANY ASSOCIATED WORK PERMITS FROM RMS BEFORE COMMENCEMENT OF WORK AS TYPICAL NOTATION TO REMOVE AND REPLACE PIPEWORK SERVICES DUCT.

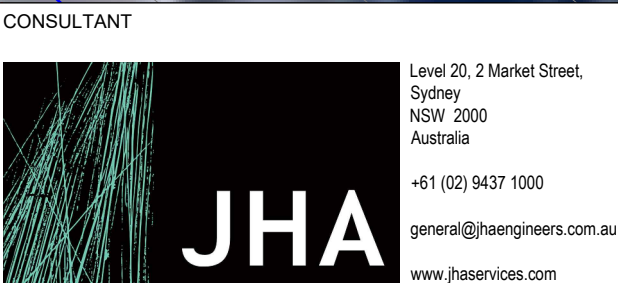
REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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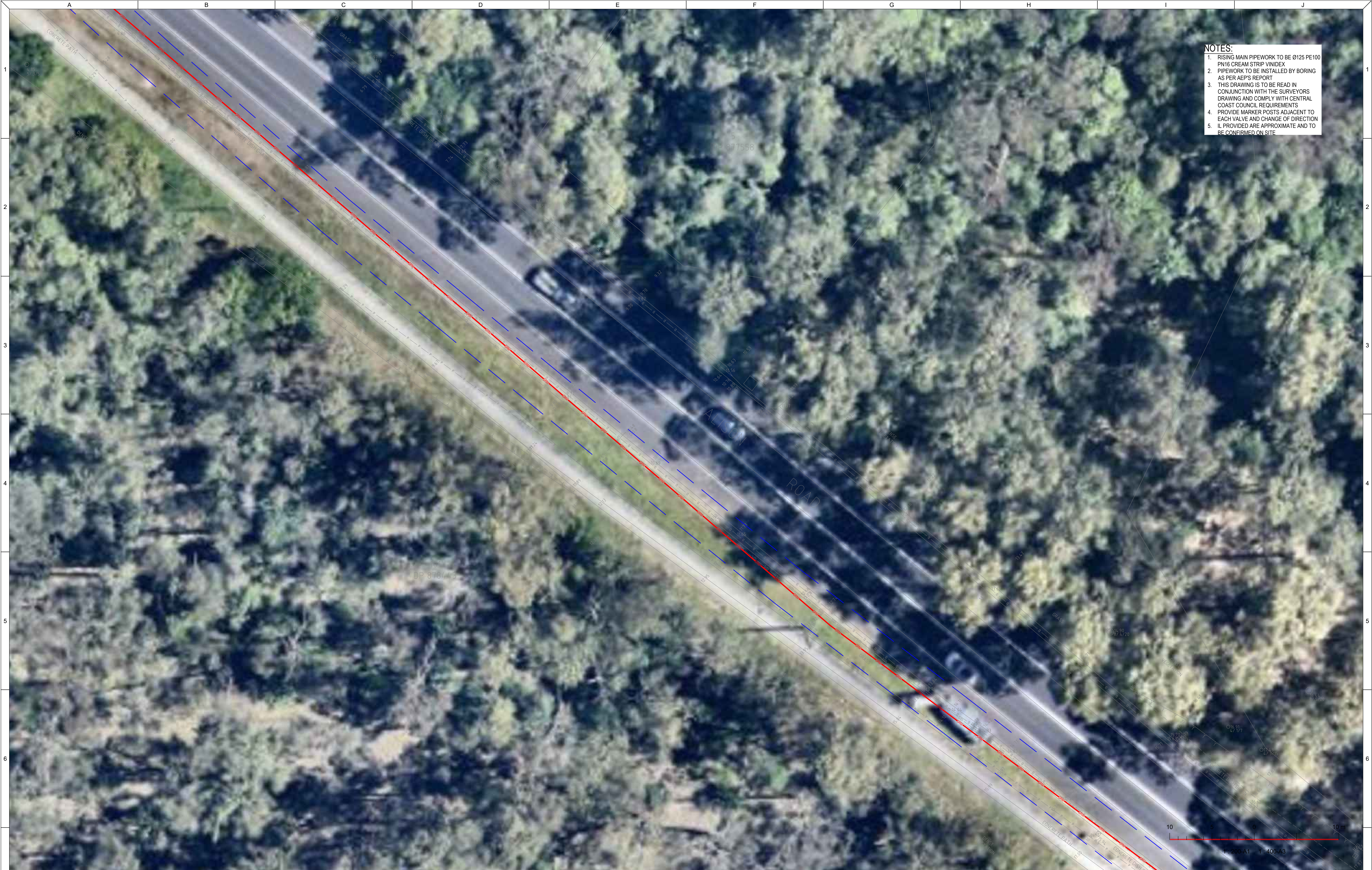
PROJECT
AMPOL M1 WYONG
WYONG M1 NSW 2259

TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 25

D&C TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1
CHECKED	D.C.	1:200
APPROVED	A.B.	
CREATED	FEB 2025	

JOB No.	DRAWING No.	REV
220449	H224	C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PN16 CREAM STRIP VINIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

REVISIONS / AMENDMENTS				REVISIONS / AMENDMENTS			
Rev	Date	Description	Verified	Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.				
P2	16.04.24	DA ISSUE	A.B.				
A	21.04.24	D&C TENDER ISSUE	A.B.				
B	23.05.25	D&C TENDER ISSUE	A.B.				
C	27.05.25	D&C TENDER ISSUE	A.B.				



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TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 26

D&C TENDER ISSUE

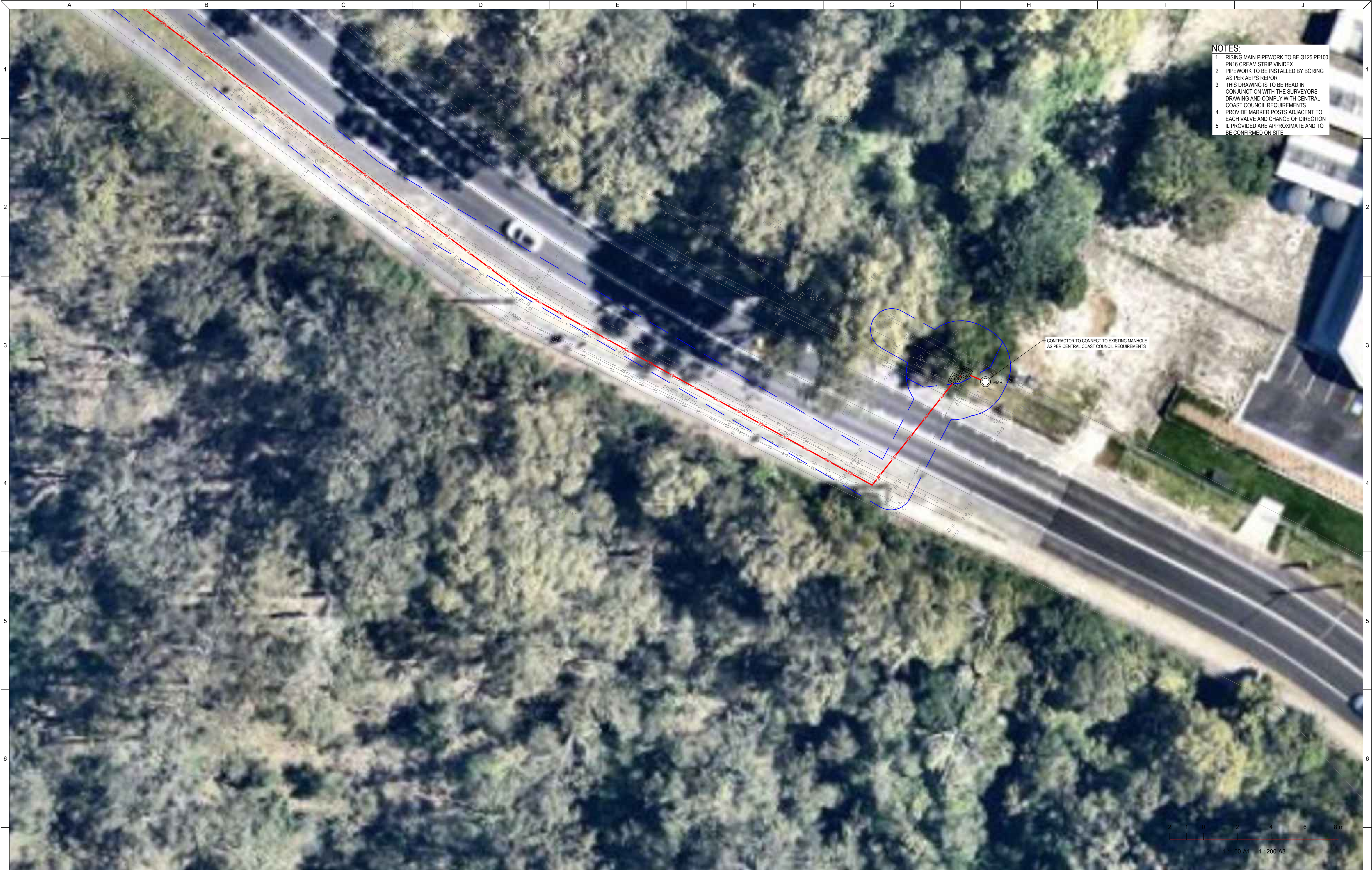
NOT TO BE USED FOR CONSTRUCTION

DRAWN	A.B.	SCALE @ A1 1:200
CHECKED	D.C.	
APPROVED	A.B.	
CREATED	FEB 2025	

JOB No.
220449

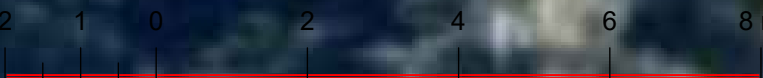
DRAWING No.
H225

REV
C



- NOTES:**
1. RISING MAIN PIPEWORK TO BE Ø125 PE100 PA16 CREAM STRIP UNIDEX
 2. PIPEWORK TO BE INSTALLED BY BORING AS PER AEP'S REPORT
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SURVEYORS DRAWING AND COMPLY WITH CENTRAL COAST COUNCIL REQUIREMENTS
 4. PROVIDE MARKER POSTS ADJACENT TO EACH VALVE AND CHANGE OF DIRECTION
 5. IL PROVIDED ARE APPROXIMATE AND TO BE CONFIRMED ON SITE

CONTRACTOR TO CONNECT TO EXISTING MANHOLE AS PER CENTRAL COAST COUNCIL REQUIREMENTS



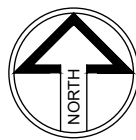
1:100-A1 1:200-A3

REVISIONS / AMENDMENTS

Rev	Date	Description	Verified
P1	15.12.23	DA ISSUE	A.B.
P2	16.04.24	DA ISSUE	A.B.
A	21.04.24	D&C TENDER ISSUE	A.B.
B	23.05.25	D&C TENDER ISSUE	A.B.
C	27.05.25	D&C TENDER ISSUE	A.B.

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Rev	Date	Description	Verified



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PROJECT

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TITLE

HYDRAULIC SERVICES
SEWER RISING MAIN
SHEET 27

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DRAWN	A.B.
CHECKED	D.C.
APPROVED	A.B.
CREATED	FEB 2025

SCALE @ A1
1:200

JOB No.
220449

DRAWING No.
H226

REV
C

Figure 1 consists of two cross-sectional diagrams of a pipe installation. The left diagram shows a pipe with a 'MARKING TAPE' and a 'SPRING LINE' indicated. The right diagram shows a pipe with a 'MARKING TAPE' and a '150 MIN.' depth indicated. Both diagrams are labeled 'MINIMUM PIPE COVER' and 'SEE TABLE'.

SPRING LINE TRENCH CLEARANCE	
NOMINAL SIZE (DN)	MINIMUM CLEARANCE "Lc" TO AS/NZS 2566.1
<75	60
>75, <110	70
>110, <140	100
>140, <315	150
≥ 315	200

TRENCH WIDTH TO BE SUFFICIENT
TO SAFELY LAY PIPE AND
COMPACT SIDE SUPPORT ZONE
(SEE NOTE 5)

TRENCH WIDTH TO BE SUFFICIENT
TO SAFELY LAY PIPE AND
COMPACT SIDE SUPPORT ZONE
(SEE NOTE 5)

NON-VEHICULAR LOADING
(INCLUDES LOCATIONS WHERE
OCCASIONAL VEHICLES LOADINGS
OCCUR eg. FOOTWAYS)

ITS PROVIDED IN BEDDING,
ITS PRIOR TO LAYING PIPES.
ILLED DURING PLACEMENT
EDMENT

PIPE

Technical drawing showing a cross-section of a joint bedding pocket for joint projections. The drawing includes a horizontal line representing the joint, with a vertical line indicating the joint projection. The bedding pocket is shown as a shaded area below the joint, with a vertical line indicating the joint projection. The drawing is labeled with 'JOINT BEDDING POCKETS' and 'FOR JOINT PROJECTIONS'.

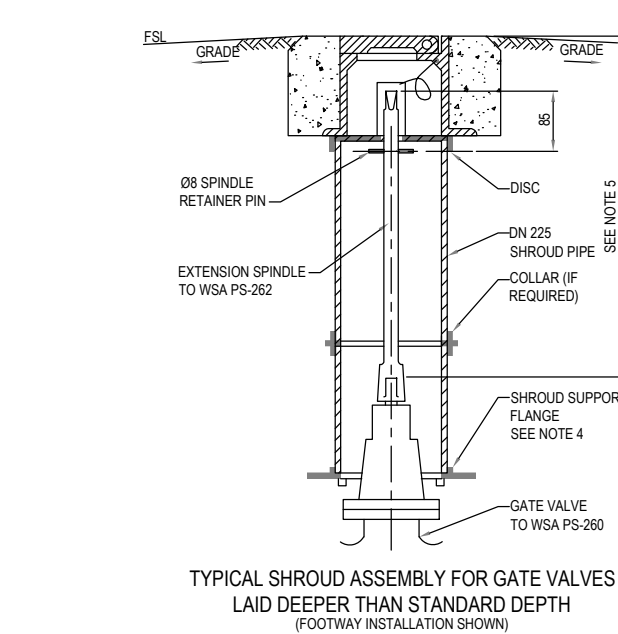
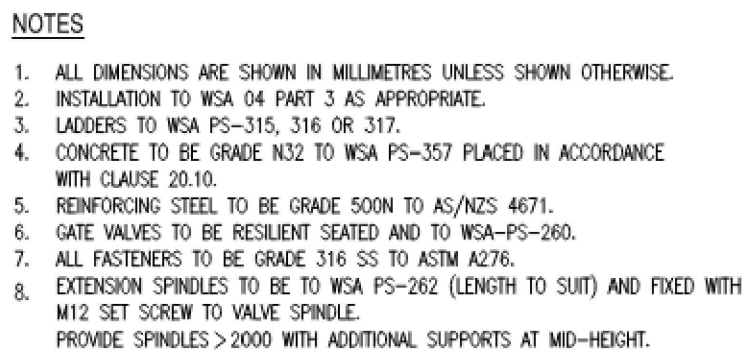


Diagram showing the installation of a valve and gate valve shown) at standard depth. The diagram includes labels for 'CONCRETE OR RECYCLED PLASTIC SURROUND', 'GRADE', and 'EMBEDMENT'.

PIPE BEDDING DETAIL



SCOUR VALVE ARRANGEMENT

ARCHITECT

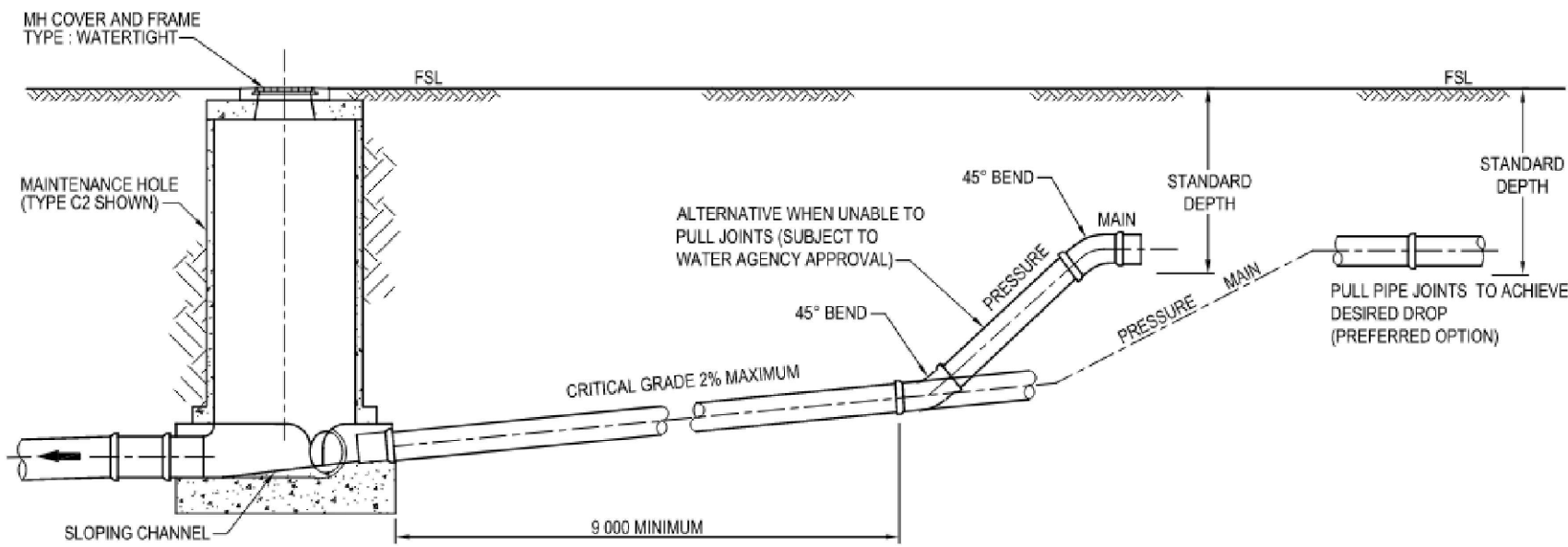
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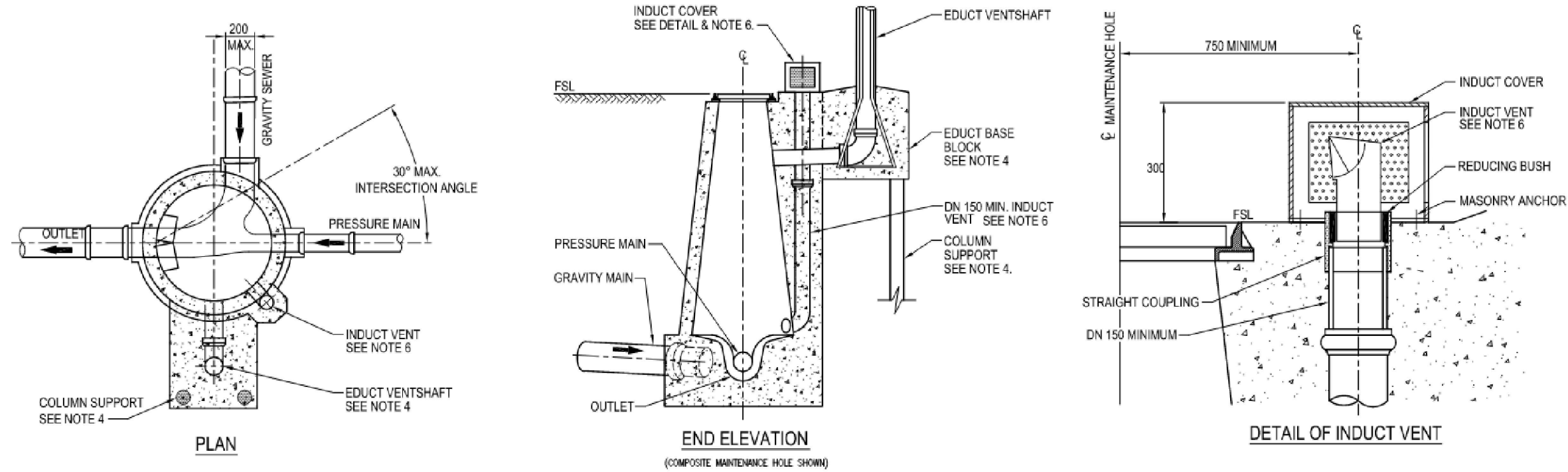
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DRAWN	A.B.	SCALE @ A1
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APPROVED	A.B.	
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220449	H500	C

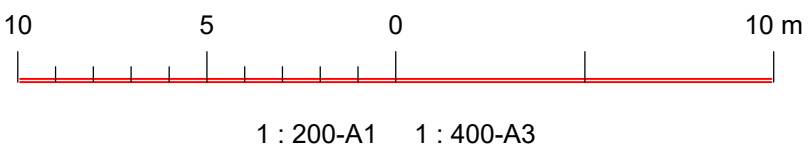


DETAIL OF PRESSURE MAIN CONNECTION INTO MAINTENANCE HOLE

- NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SEM-1408, "EDUCT VENTSHAF TYP E, CONCRETE BASE BLOCK, FOR DN 150 TO DN 300 SENSES".
 3. THIS DRAWING SHOWS TYPICAL ARRANGEMENT ONLY OF MAINTENANCE HOLES WITH RISING MAINS. REFER TO DESIGN PLANS FOR SURVEY DETAILS.
 4. EDUCT VENTSHAF. LOCATION, HEIGHT, DIMENSIONS AND STRUCTURAL SUPPORT OF BASE BLOCK SHALL BE AS SPECIFIED ON THE DESIGN PLANS.
 5. MAINTENANCE HOLE BASE SHALL BE CONSTRUCTED TO MINIMISE TURBULENCE CREATED BY A RAPID FLOW OF SEWAGE. SLOPING FLOW CHANNEL IS A MINIMUM REQUIREMENT.
 6. INDUCT VENT. DETAILS OF CONCRETE SURROUND SHALL BE AS SPECIFIED ON THE DESIGN PLANS. INDUCT VENT SHALL BE FIXED TO REDUCING BUSH WITH ADHESIVE SEALANT.



DISCHARGE MH ARRANGEMENT AND CROSS SECTION



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A	21.04.24	D&C TENDER ISSUE	A.B.				
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TITLE
HYDRAULIC SERVICES
SEWER RISING MAIN
DETAIL SHEET 2

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220449	H501	C	