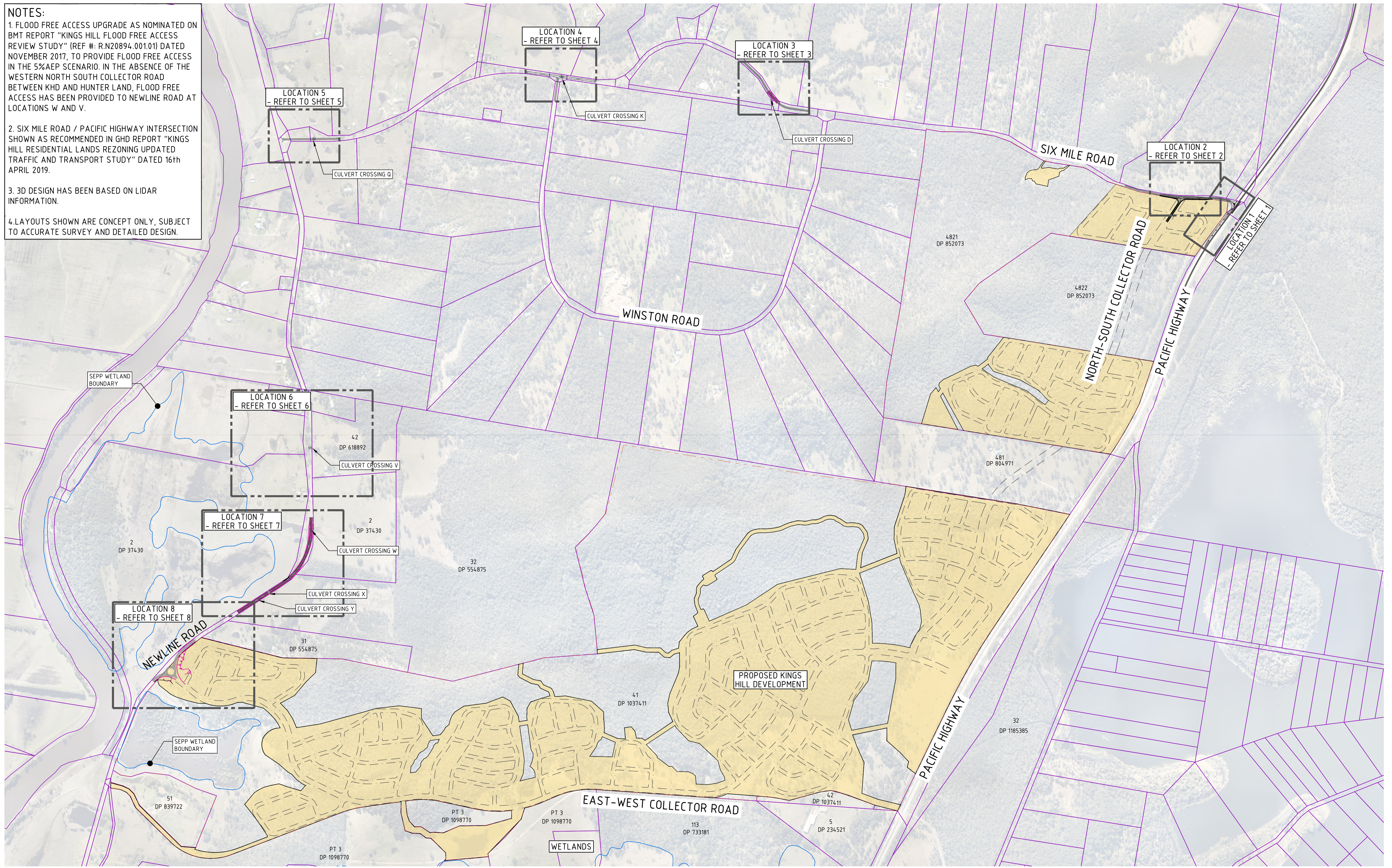


**NOTES:**

1. FLOOD FREE ACCESS UPGRADE AS NOMINATED ON BMT REPORT "KINGS HILL FLOOD FREE ACCESS REVIEW STUDY" (REF #: R.N20894.001.01) DATED NOVEMBER 2017, TO PROVIDE FLOOD FREE ACCESS IN THE 5% AEP SCENARIO. IN THE ABSENCE OF THE WESTERN NORTH SOUTH COLLECTOR ROAD BETWEEN KHD AND HUNTER LAND, FLOOD FREE ACCESS HAS BEEN PROVIDED TO NEWLINE ROAD AT LOCATIONS W AND V.
2. SIX MILE ROAD / PACIFIC HIGHWAY INTERSECTION SHOWN AS RECOMMENDED IN GHD REPORT "KINGS HILL RESIDENTIAL LANDS REZONING UPDATED TRAFFIC AND TRANSPORT STUDY" DATED 16th APRIL 2019.
3. 3D DESIGN HAS BEEN BASED ON LIDAR INFORMATION.
4. LAYOUTS SHOWN ARE CONCEPT ONLY, SUBJECT TO ACCURATE SURVEY AND DETAILED DESIGN.



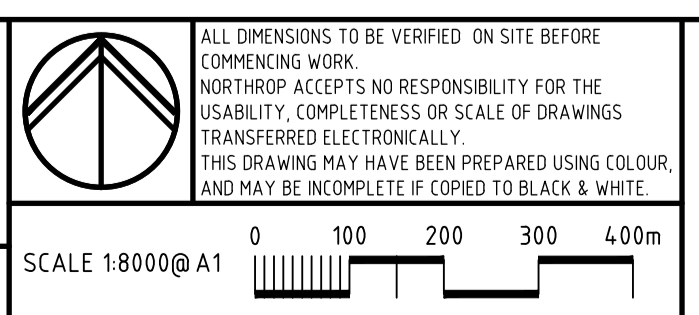
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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR INFORMATION	RD	CP	RD	28.08.20
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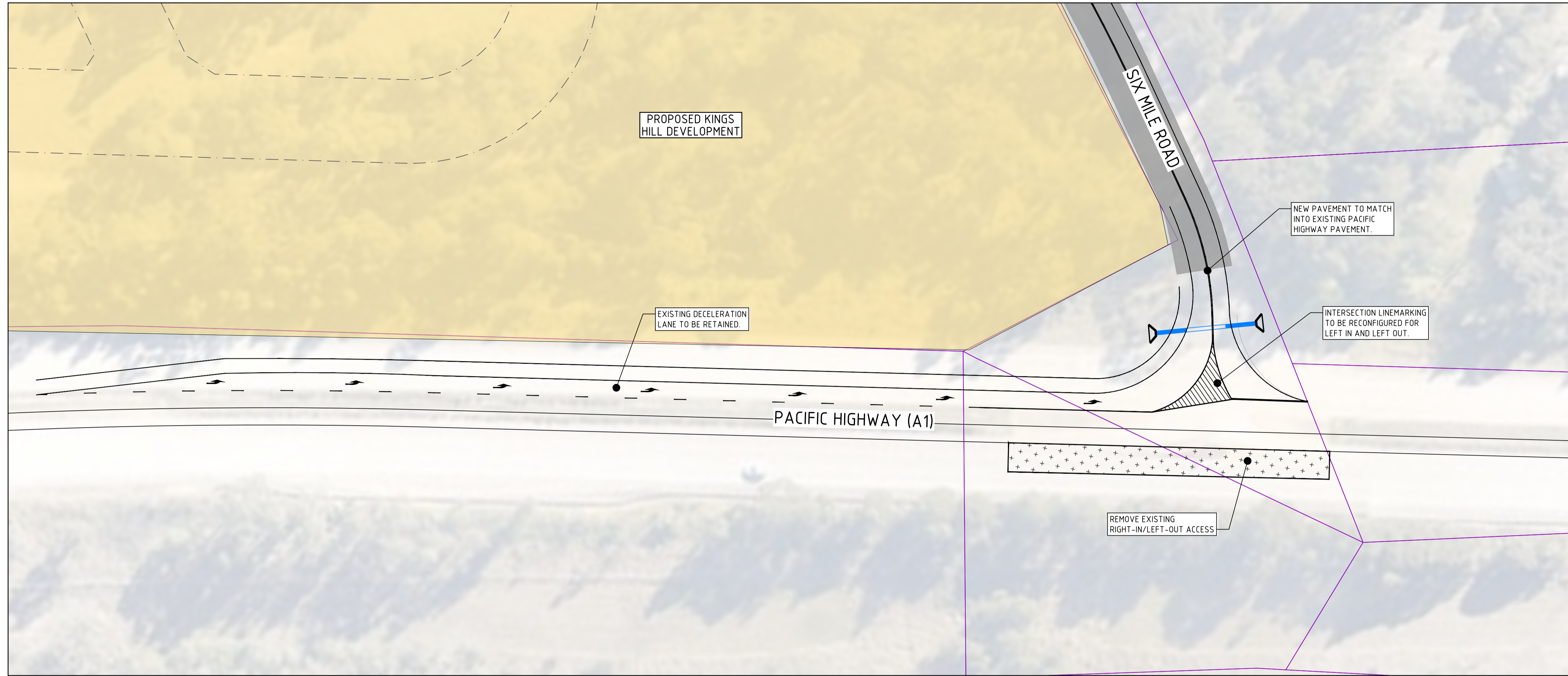


**NORTHROP**  
Newcastle  
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ABN 81 094 433 100

PROJECT  
**KINGS HILL DEVELOPMENT APPLICATION**  
**SCOPE OF EXTERNAL WORKS REQUIRED TO SUPPORT CONCEPT APPROVAL**

DRAWING TITLE  
**CIVIL ENGINEERING PACKAGE**  
**GENERAL ARRANGEMENT PLAN**

JOB NUMBER	<b>NL120526</b>
DRAWING NUMBER	<b>C700</b>
REVISION	<b>6</b>
DRAWING SHEET SIZE = A1	



ROAD WORKS - LOCATION 1

LEGEND	
	KINGS HILL DEVELOPMENT BOUNDARY
	EXISTING LOT BOUNDARY
	EXISTING WATER COURSE
	EXISTING STORMWATER CULVERT
	PROPOSED STORMWATER CULVERT
	PROPOSED ROAD PAVEMENT
	PROPOSED RETAINING WALL

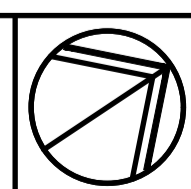
DRAWN: R.DIERCKE  
DESIGNED: R.DIERCKE  
JOB MANAGER: C. PIPER  
VERIFIER:

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7	ISSUED FOR INFORMATION	JB	CP	RD	15.09.20

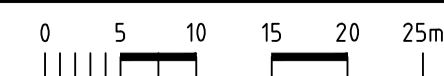
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SCALE 1:500@A1

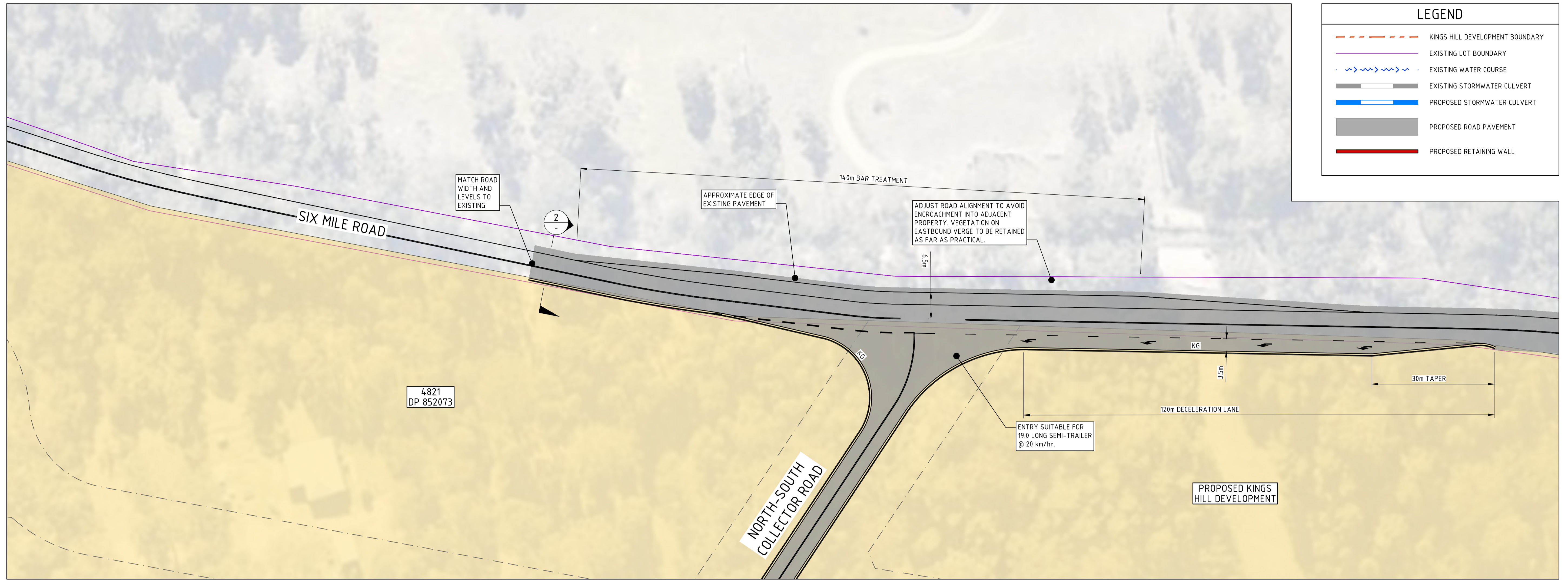


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PROJECT  
**KINGS HILL DEVELOPMENT APPLICATION**  
**SCOPE OF EXTERNAL WORKS REQUIRED TO SUPPORT CONCEPT APPROVAL**

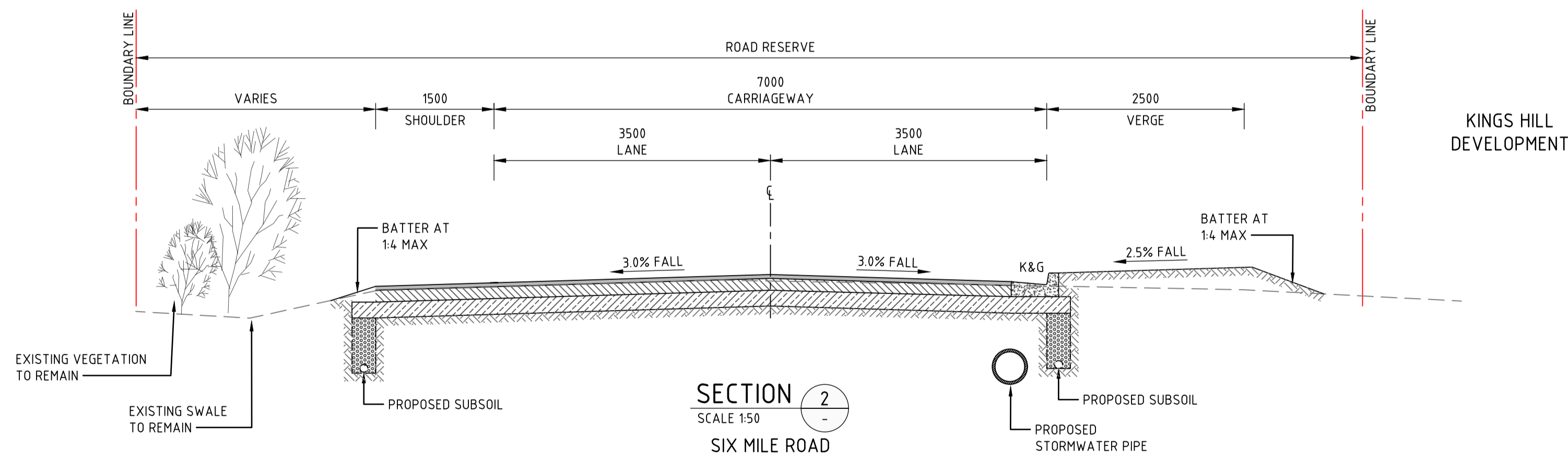
DRAWING TITLE  
**CIVIL ENGINEERING PACKAGE**  
**ROAD WORKS - LOCATION 1**

JOB NUMBER <b>NL120526</b>	
DRAWING NUMBER <b>C701</b>	REVISION <b>7</b>
DRAWING SHEET SIZE = A1	



LEGEND	
	KINGS HILL DEVELOPMENT BOUNDARY
	EXISTING LOT BOUNDARY
	EXISTING WATER COURSE
	EXISTING STORMWATER CULVERT
	PROPOSED STORMWATER CULVERT
	PROPOSED ROAD PAVEMENT
	PROPOSED RETAINING WALL

ROAD WORKS - LOCATION 2



**NOT FOR CONSTRUCTION**

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7	ISSUED FOR INFORMATION	JB	CP	RD	15.09.20

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SCALE 1:500@A1

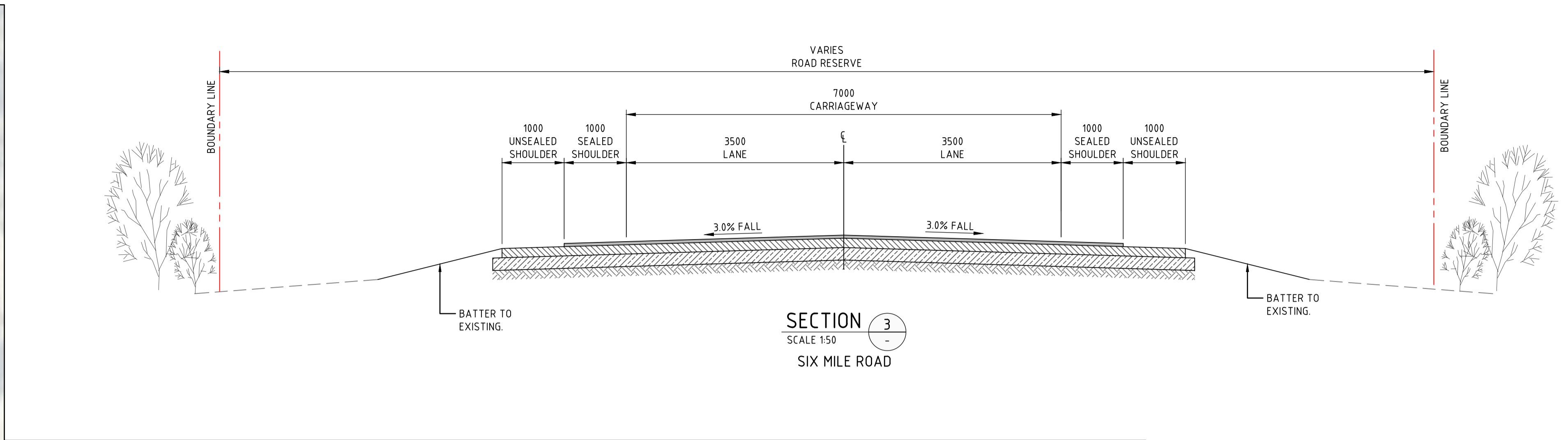
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PROJECT  
**KINGS HILL DEVELOPMENT APPLICATION**  
**SCOPE OF EXTERNAL WORKS REQUIRED TO SUPPORT CONCEPT APPROVAL**

DRAWING TITLE  
**CIVIL ENGINEERING PACKAGE**  
**ROAD WORKS - LOCATION 2**

JOB NUMBER <b>NL120526</b>	
DRAWING NUMBER <b>C702</b>	REVISION <b>7</b>
DRAWING SHEET SIZE = A1	

VERIFIER: C. PIPER  
 JOB MANAGER: C. PIPER  
 DESIGNED: R. DIERCKE  
 DRAWN: R. DIERCKE



LEGEND	
	KINGS HILL DEVELOPMENT BOUNDARY
	EXISTING LOT BOUNDARY
	EXISTING WATER COURSE
	EXISTING STORMWATER CULVERT
	PROPOSED STORMWATER CULVERT
	PROPOSED ROAD PAVEMENT
	PROPOSED RETAINING WALL

MATCH ROAD WIDTH AND LEVELS TO EXISTING

PROPOSED ADDITIONAL CULVERTS (2 x  $\phi$ 1800 x 1200 BC)

PROVIDE 1:2 (MAX) BATTER SLOPES OR SMALL RETAINING WALL TO ENSURE WORKS DON'T ENCRROACH INTO ADJACENT PROPERTIES.

ELEVATE INTERSECTION TO MIN. 15.2m AHD. EXISTING SURFACE LEVEL APPROXIMATELY 14.5m AHD

EXISTING CULVERT CROSSING 'D' (2 x  $\phi$ 1800 x 1200 BC)

MATCH ROAD WIDTH AND LEVELS TO EXISTING

ROAD WORKS - LOCATION 3

**NOT FOR CONSTRUCTION**

DRAWN: R.DIERCKE DESIGNED: R.DIERCKE JOB MANAGER: C. PIPER VERIFIER:

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SCALE 1:500@A1

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PROJECT **KINGS HILL DEVELOPMENT APPLICATION**  
**SCOPE OF EXTERNAL WORKS REQUIRED TO SUPPORT CONCEPT APPROVAL**

DRAWING TITLE **CIVIL ENGINEERING PACKAGE**  
**ROAD WORKS - LOCATION 3**

JOB NUMBER <b>NL120526</b>	
DRAWING NUMBER <b>C703</b>	REVISION <b>7</b>
DRAWING SHEET SIZE = A1	



LEGEND	
	KINGS HILL DEVELOPMENT BOUNDARY
	EXISTING LOT BOUNDARY
	EXISTING WATER COURSE
	EXISTING STORMWATER CULVERT
	PROPOSED STORMWATER CULVERT
	PROPOSED ROAD PAVEMENT
	PROPOSED RETAINING WALL

DRAWN: R.DIERCKE    DESIGNED: R.DIERCKE    JOB MANAGER: C.PIPER    VERIFIER:

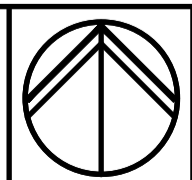
ROAD WORKS - LOCATION 4

**NOT FOR CONSTRUCTION**

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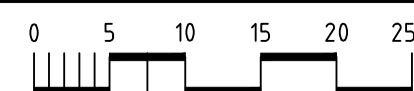
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SCALE 1:500@A1

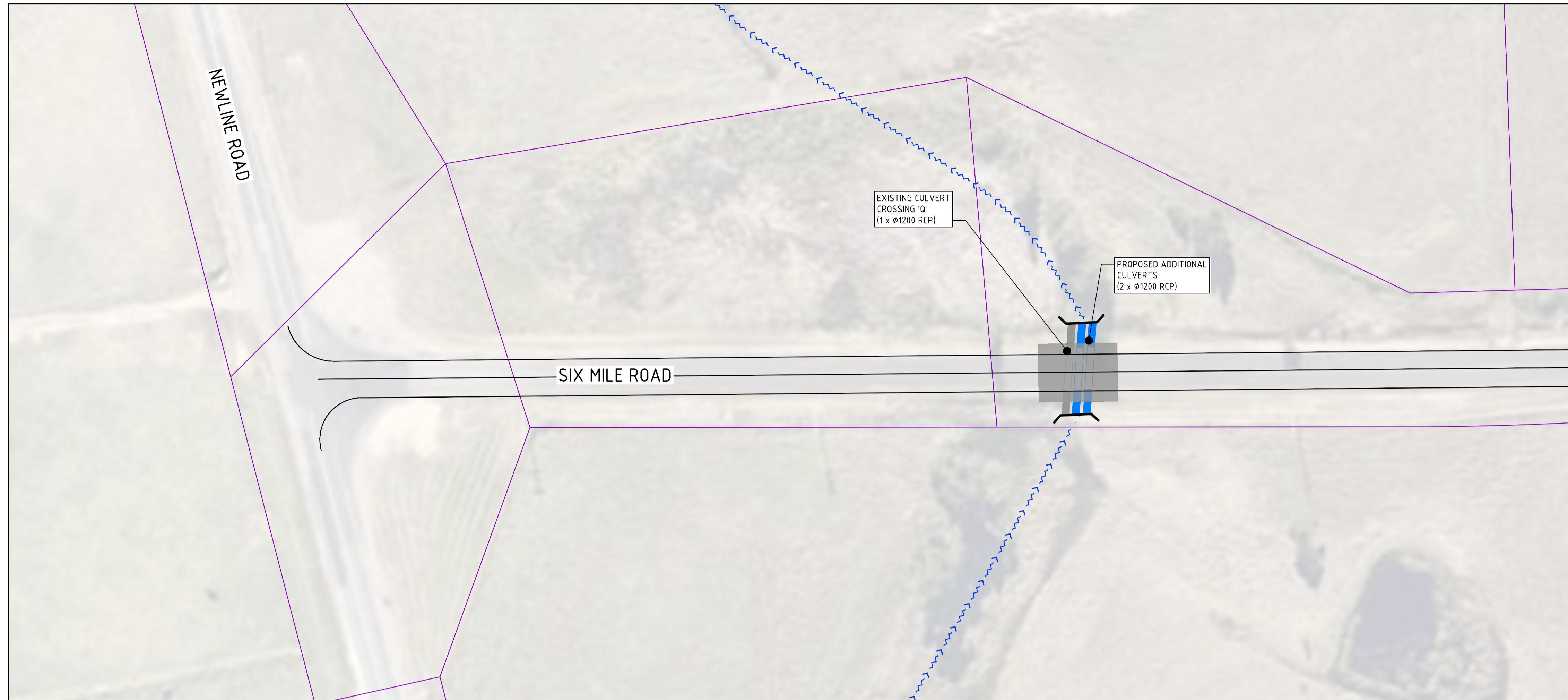


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PROJECT  
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DRAWING TITLE  
**CIVIL ENGINEERING PACKAGE**  
**ROAD WORKS - LOCATION 4**

JOB NUMBER <b>NL120526</b>	
DRAWING NUMBER <b>C704</b>	REVISION <b>6</b>
DRAWING SHEET SIZE = A1	



LEGEND	
	KINGS HILL DEVELOPMENT BOUNDARY
	EXISTING LOT BOUNDARY
	EXISTING WATER COURSE
	EXISTING STORMWATER CULVERT
	PROPOSED STORMWATER CULVERT
	PROPOSED ROAD PAVEMENT
	PROPOSED RETAINING WALL

ROAD WORKS - LOCATION 5

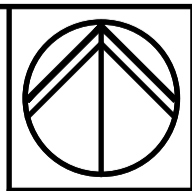
DRAWN: R.DIERCKE    DESIGNED: R.DIERCKE    JOB MANAGER: C. PIPER    VERIFIER:

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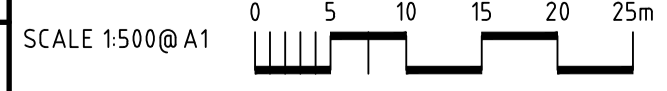
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DRAWING TITLE **CIVIL ENGINEERING PACKAGE**  
**ROAD WORKS - LOCATION 5**

JOB NUMBER <b>NL120526</b>	
DRAWING NUMBER <b>C705</b>	REVISION <b>6</b>
DRAWING SHEET SIZE = A1	



LEGEND	
	KINGS HILL DEVELOPMENT BOUNDARY
	EXISTING LOT BOUNDARY
	EXISTING WATER COURSE
	EXISTING STORMWATER CULVERT
	PROPOSED STORMWATER CULVERT
	PROPOSED ROAD PAVEMENT
	PROPOSED RETAINING WALL

DRAWN: R.DIERCKE    DESIGNED: R.DIERCKE    JOB MANAGER: C. PIPER    VERIFIER:

ROAD WORKS - LOCATION 6

**NOT FOR CONSTRUCTION**

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SCALE 1:500@A1

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DRAWING TITLE **CIVIL ENGINEERING PACKAGE**  
**ROAD WORKS - LOCATION 6**

JOB NUMBER <b>NL120526</b>	
DRAWING NUMBER <b>C706</b>	REVISION <b>7</b>
DRAWING SHEET SIZE = A1	



LEGEND	
	KINGS HILL DEVELOPMENT BOUNDARY
	EXISTING LOT BOUNDARY
	EXISTING WATER COURSE
	EXISTING STORMWATER CULVERT
	PROPOSED STORMWATER CULVERT
	PROPOSED ROAD PAVEMENT
	PROPOSED RETAINING WALL

DRAWN: R.DIERCKE  
 DESIGNED: R.DIERCKE  
 JOB MANAGER: C. PIPER  
 VERIFIER:

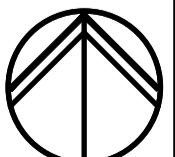
ROAD WORKS - LOCATION 7

**NOT FOR CONSTRUCTION**


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SCALE 1:500@A1



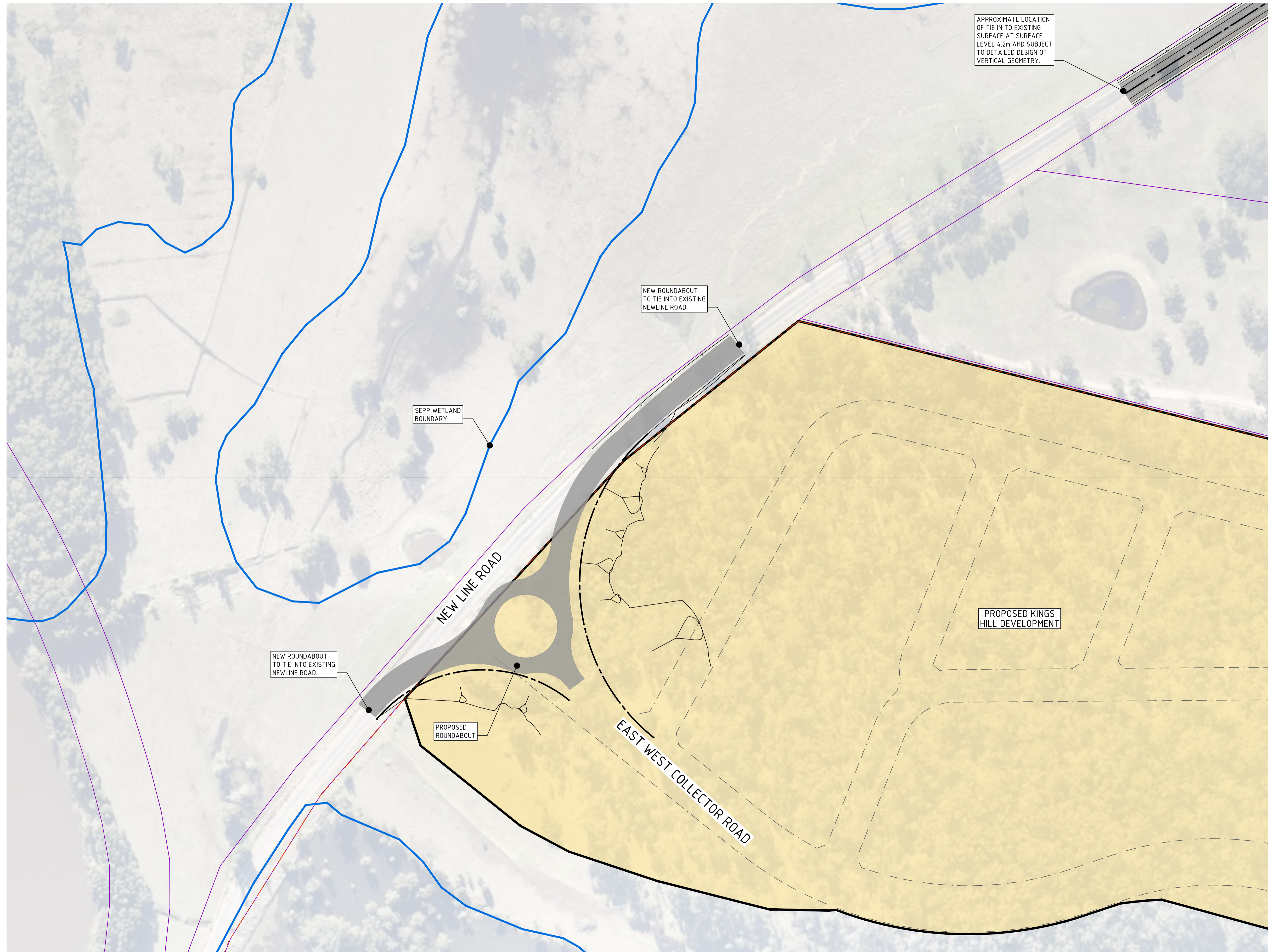

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PROJECT  
**KINGS HILL DEVELOPMENT APPLICATION**  
**SCOPE OF EXTERNAL WORKS REQUIRED TO SUPPORT CONCEPT APPROVAL**

DRAWING TITLE  
**CIVIL ENGINEERING PACKAGE**  
**ROAD WORKS - LOCATION 7**

JOB NUMBER <b>NL120526</b>	
DRAWING NUMBER <b>C707</b>	REVISION <b>7</b>
DRAWING SHEET SIZE = A1	





LEGEND	
	KINGS HILL DEVELOPMENT BOUNDARY
	EXISTING LOT BOUNDARY
	EXISTING WATER COURSE
	EXISTING STORMWATER CULVERT
	PROPOSED STORMWATER CULVERT
	PROPOSED ROAD PAVEMENT
	PROPOSED RETAINING WALL

DRAWN: R.DIERCKE    DESIGNED: R.DIERCKE    JOB MANAGER: C. PIPER    VERIFIER:

ROAD WORKS - LOCATION 8

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5	ISSUED FOR INFORMATION	JB	CP	RD	09.09.20
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SCALE 1:1000 @ A1

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PROJECT  
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**SCOPE OF EXTERNAL WORKS REQUIRED TO SUPPORT CONCEPT APPROVAL**

DRAWING TITLE  
**CIVIL ENGINEERING PACKAGE**  
**ROAD WORKS - LOCATION 8**

JOB NUMBER <b>NL120526</b>	
DRAWING NUMBER <b>C708</b>	REVISION <b>7</b>
DRAWING SHEET SIZE = A1	