

# PLAN SET 12 UTILITIES RELOCATION

EAST WEST LINK DRAWING REGISTER							
DWG NUMBER	DRAWING TITLE	CURRENT REVISION	DATE AND REVISION				
			11/2/2016	14/12/2016	7/04/2017	23/05/2017	27/06/2017
	PLAN SET 12 - UTILITIES RELOCATION						
AEE-U-001	UTILITIES RELOCATION - EAST WEST LINK - DRAWING INDEX, NOTES AND LEGEND	2	0	1		2	
AEE-U-100	UTILITIES RELOCATION - EAST WEST LINK - OVERVIEW PLAN	2	0	1		2	
AEE-U-101	UTILITIES RELOCATION - SH20/NEILSON STREET INTERCHANGE - SHEET 1	1	0			1	
AEE-U-102	UTILITIES RELOCATION - NEILSON STREET INTERCHANGE - SHEET 2	1	0			1	
AEE-U-103	UTILITIES RELOCATION/ GALWAY STREET - SHEET 3	1	0			1	
AEE-U-104	UTILITIES RELOCATION - EMBANKMENT - SHEET 4	1	0			1	
AEE-U-105	UTILITIES RELOCATION - EMBANKMENT - SHEET 5	1	0			1	
AEE-U-106	UTILITIES RELOCATION - EMBANKMENT/ANNS CREEK - SHEET 6	1	0			1	
AEE-U-107	UTILITIES RELOCATION - ANNS CREEK - SHEET 7	2	0	1		2	
AEE-U-108	UTILITIES RELOCATION - ANNS CREEK/SYLVA PARK ROAD - SHEET 8	2	0	1		2	
AEE-U-109	UTILITIES RELOCATION - ANNS CREEK/SYLVA PARK RAMPS - SHEET 9	2	0	1		2	
AEE-U-110	UTILITIES RELOCATION - SH1/SYLVA PARK RAMPS - SHEET 10	1	0			1	
AEE-U-111	UTILITIES RELOCATION - SH1/PANAMA ROAD - SHEET 11	1	0			1	
AEE-U-112	UTILITIES RELOCATION - SH1/OTAHUHU CREEK - SHEET 12	1	0			1	
AEE-U-113	UTILITIES RELOCATION - PRINCES STREET INTERCHANGE - SHEET 13	1	0			1	
AEE-U-114	UTILITIES RELOCATION - NEILSON STREET INTERCHANGE - LOCAL ROADS - SHEET 14A AND 14B	1	0			1	
AEE-U-115	UTILITIES RELOCATION - CAPTAIN SPRINGS ROAD/ PORTS LINK - SHEET 15A AND 15B	1	0			1	
AEE-U-116	UTILITIES RELOCATION - EMBANKMENT - SHEET 16	1	0			1	

**LEGEND: UTILITIES RELOCATION**

EXISTING SERVICES	PROPOSED SERVICES
<b>COMMUNICATION LINE</b> -CH- CHORUS -VF- VODAFONE -FX- FX NETWORK -VC- VECTOR COMMUNICATION <b>ELECTRICITY CABLE</b> -TP-E- TRANSPOWER OVERHEAD CABLES -VE- VECTOR ELECTRICITY <b>GAS MAIN</b> -FG- TRANSMISSION (FIRST GAS) -VG- DISTRIBUTION (VECTOR) <b>AUCKLAND COUNCIL</b> -SW- STORMWATER PIPE <b>WATERCARE</b> -W- WATER PIPE -SS- WASTEWATER PIPE -W-H1- HUNUA 1 BULK WATERMAIN -W-H3- HUNUA 3 BULK WATERMAIN -W-H4- HUNUA 4 BULK WATERMAIN	NEW SERVICES/DIVERSIONS EXISTING SERVICES TO BE REMOVED/ABANDONED EXISTING SERVICES TO BE PROTECTED/MODIFIED EXISTING FEATURES PROPERTY BOUNDARY EXISTING COASTAL MARINE BOUNDARY
PROPOSED FEATURES	
<--- CUT SLOPES <--- ROAD ALIGNMENT <--- FILL SLOPES TOE OF OUTER BUND FORESHORE VEGETATION SHINGLE FORESHORE SLOPE	STORMWATER FOREBAY/ WETLAND AND BIOFILTRATION AREA CYCLE / SHARED FOOTPATH BOARDWALK GRAVEL PATH RETAINING WALL BRIDGE STRUCTURE DESIGNATION BOUNDARY EXISTING SHARED PATH TO REMAIN

**NOTE:**  
ALL UTILITY RELOCATIONS  
SUBJECT TO DETAILED  
DESIGN AND CONFIRMATION  
FROM UTILITY OWNER.

**FOR BOI ISSUE**

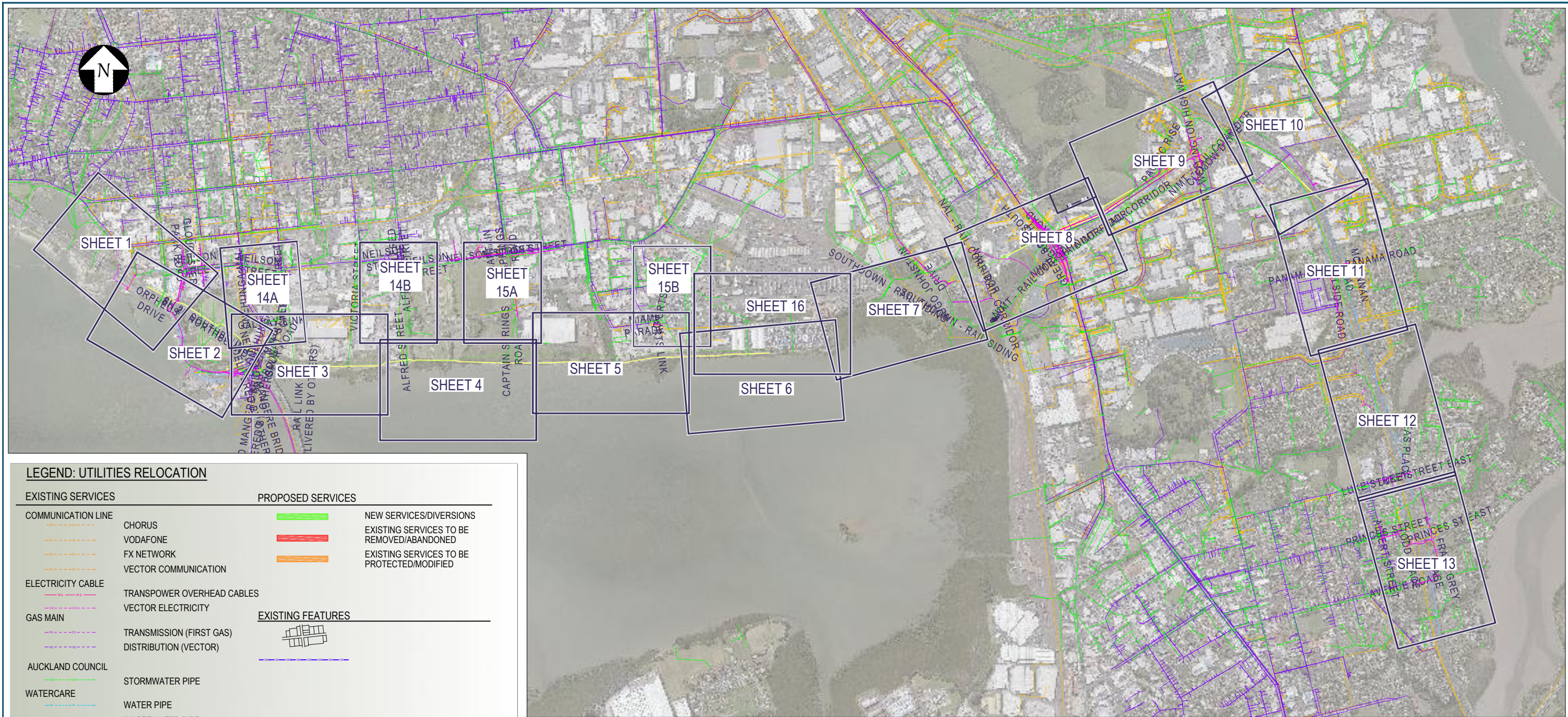
2	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
1	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14.12.2016
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016
No.	Issued Status	Drawn	Check'd	App'd	Date

**DISCLAIMER**  
This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction



Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

Drawing Title UTILITIES RELOCATION EAST WEST LINK DRAWING INDEX, NOTES AND LEGEND	Rev No. 2
Drawing Number AEE-U-001	



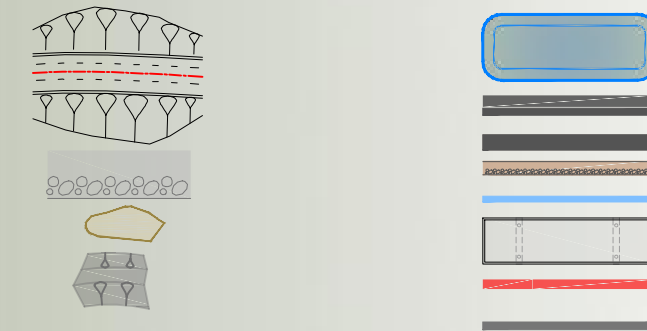
**LEGEND: UTILITIES RELOCATION**

EXISTING SERVICES		PROPOSED SERVICES	
COMMUNICATION LINE			NEW SERVICES/DIVERSIONS
CHORUS			EXISTING SERVICES TO BE REMOVED/ABANDONED
VODAFONE			EXISTING SERVICES TO BE PROTECTED/MODIFIED
FX NETWORK			
VECTOR COMMUNICATION			
ELECTRICITY CABLE			
TRANSPOWER OVERHEAD CABLES			
VECTOR ELECTRICITY			
GAS MAIN			
TRANSMISSION (FIRST GAS)			
DISTRIBUTION (VECTOR)			
AUCKLAND COUNCIL			
STORMWATER PIPE			
WATERCARE			
WATER PIPE			
WASTEWATER PIPE			
HUNUA 1 BULK WATERMAIN			
HUNUA 3 BULK WATERMAIN			
HUNUA 4 BULK WATERMAIN			

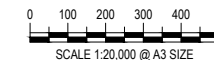
**EXISTING FEATURES**



**PROPOSED FEATURES**



**NOTE:**  
ALL UTILITY RELOCATIONS  
SUBJECT TO DETAILED  
DESIGN AND CONFIRMATION  
FROM UTILITY OWNER.



**FOR BOI ISSUE**

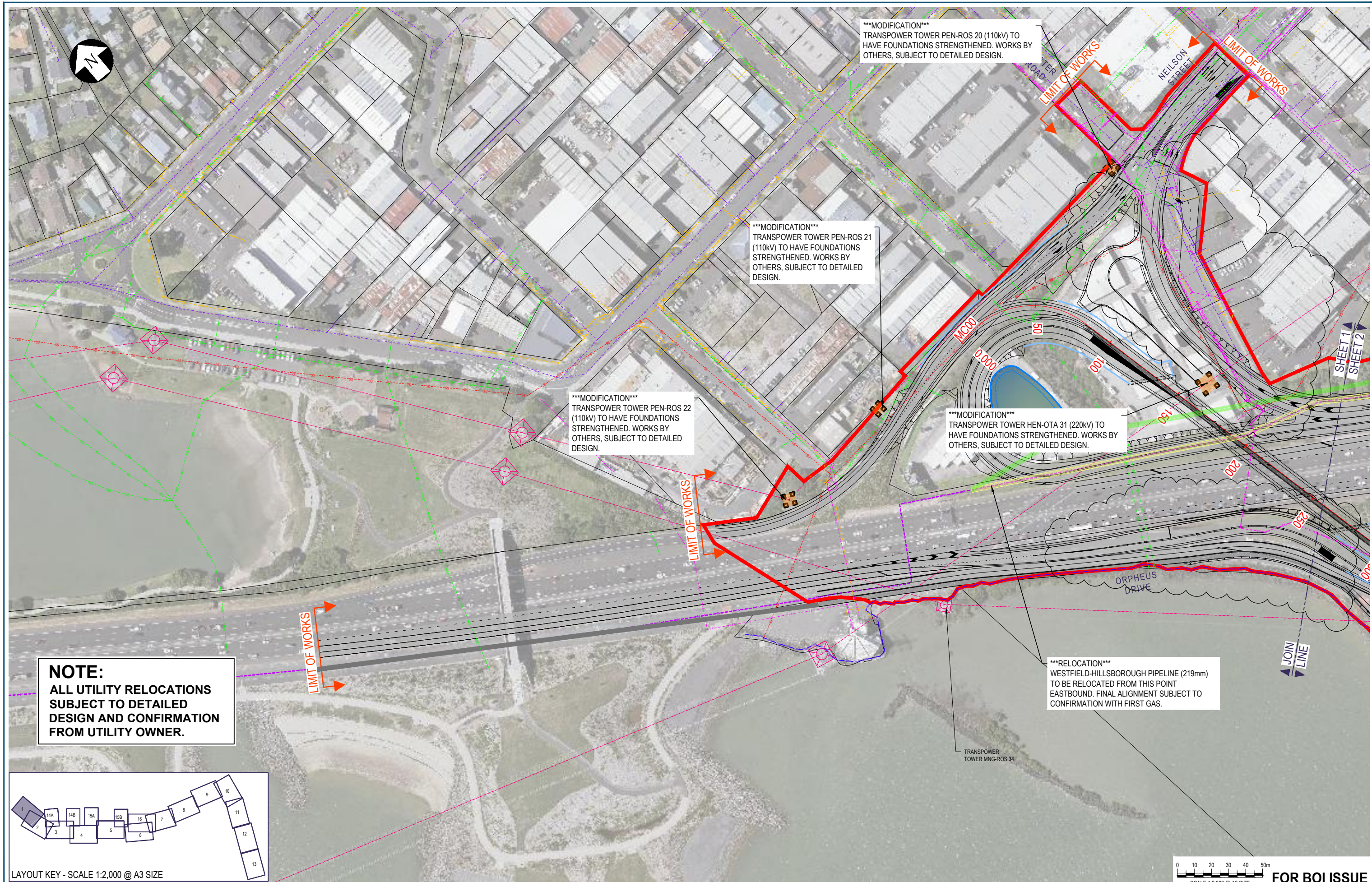
No.	Issued Status	Drawn	Check'd	App'd	Date
2	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
1	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14.12.2016
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction



Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	N NANCEKIVELL	Approved	J CALDWELL
Designed	UTIL. OWNER	Design Check	J MURAHIDY	27.06.17	27.06.17		
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	UTILITIES RELOCATION EAST WEST LINK OVERVIEW PLAN		
Drawing Number	AEE-U-100		
Rev No.	2		



No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

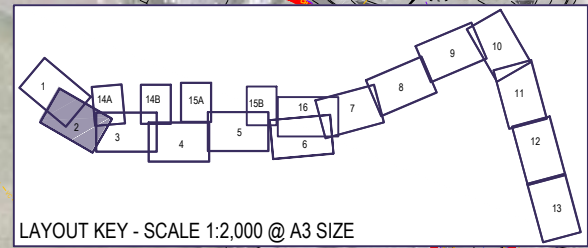
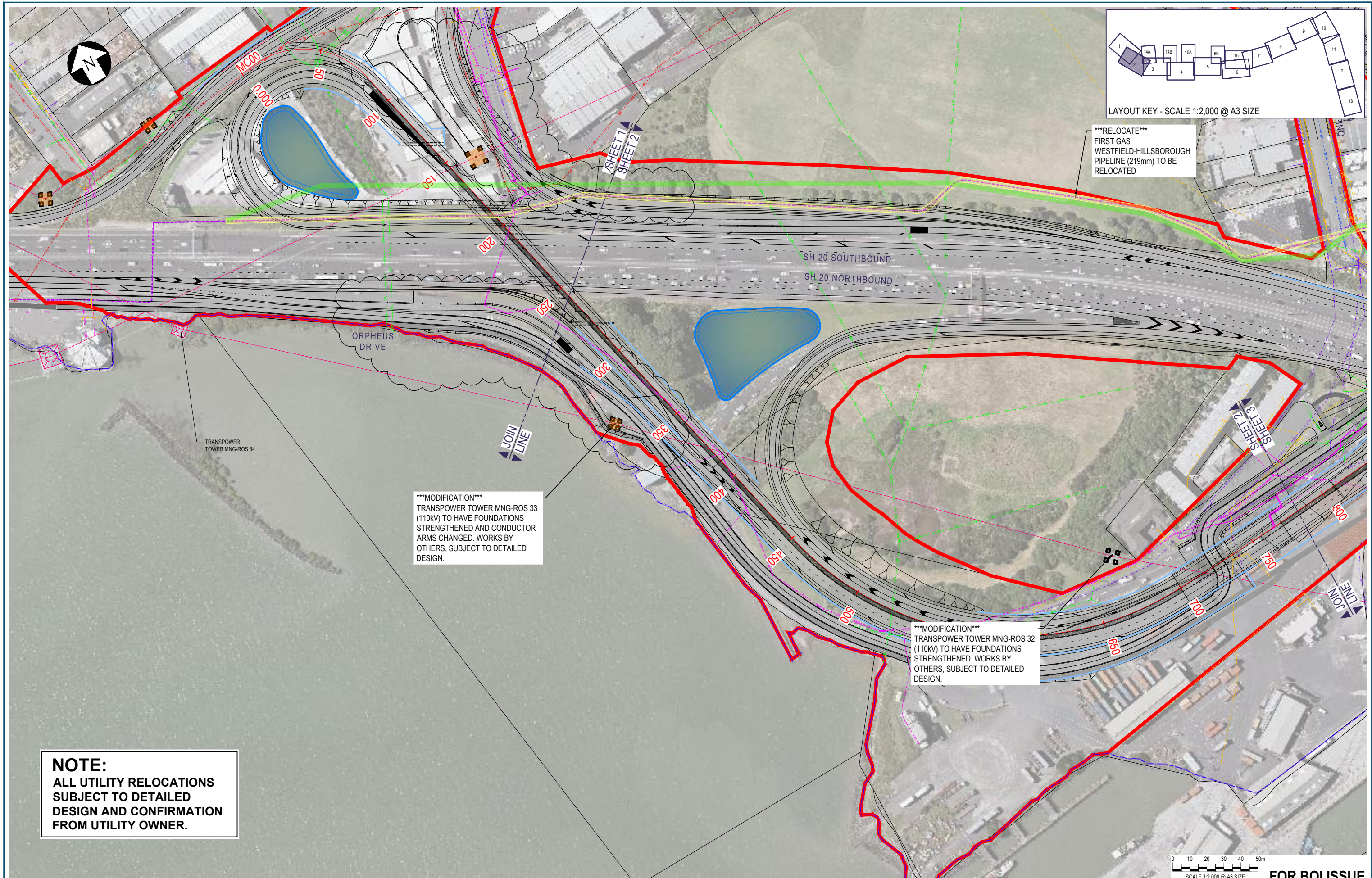
**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction

**NZ TRANSPORT AGENCY**  
 WAIKA MOTAH

**East West Link**

Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

Drawing Title <b>UTILITIES RELOCATION NEILSON STREET INTERCHANGE SHEET 01</b>	Drawing Number <b>AEE-U-101</b>	Rev No. <b>1</b>
--	------------------------------------	---------------------

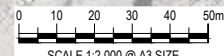


\*\*\*RELOCATE\*\*\*  
 FIRST GAS  
 WESTFIELD-HILLSBOROUGH  
 PIPELINE (219mm) TO BE  
 RELOCATED

\*\*\*MODIFICATION\*\*\*  
 TRANSPOWER TOWER MNG-ROS 33  
 (110kV) TO HAVE FOUNDATIONS  
 STRENGTHENED AND CONDUCTOR  
 ARMS CHANGED. WORKS BY  
 OTHERS, SUBJECT TO DETAILED  
 DESIGN.

\*\*\*MODIFICATION\*\*\*  
 TRANSPOWER TOWER MNG-ROS 32  
 (110kV) TO HAVE FOUNDATIONS  
 STRENGTHENED. WORKS BY  
 OTHERS, SUBJECT TO DETAILED  
 DESIGN.

**NOTE:**  
 ALL UTILITY RELOCATIONS  
 SUBJECT TO DETAILED  
 DESIGN AND CONFIRMATION  
 FROM UTILITY OWNER.



FOR BOI ISSUE

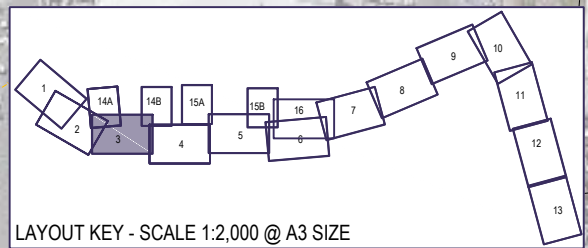
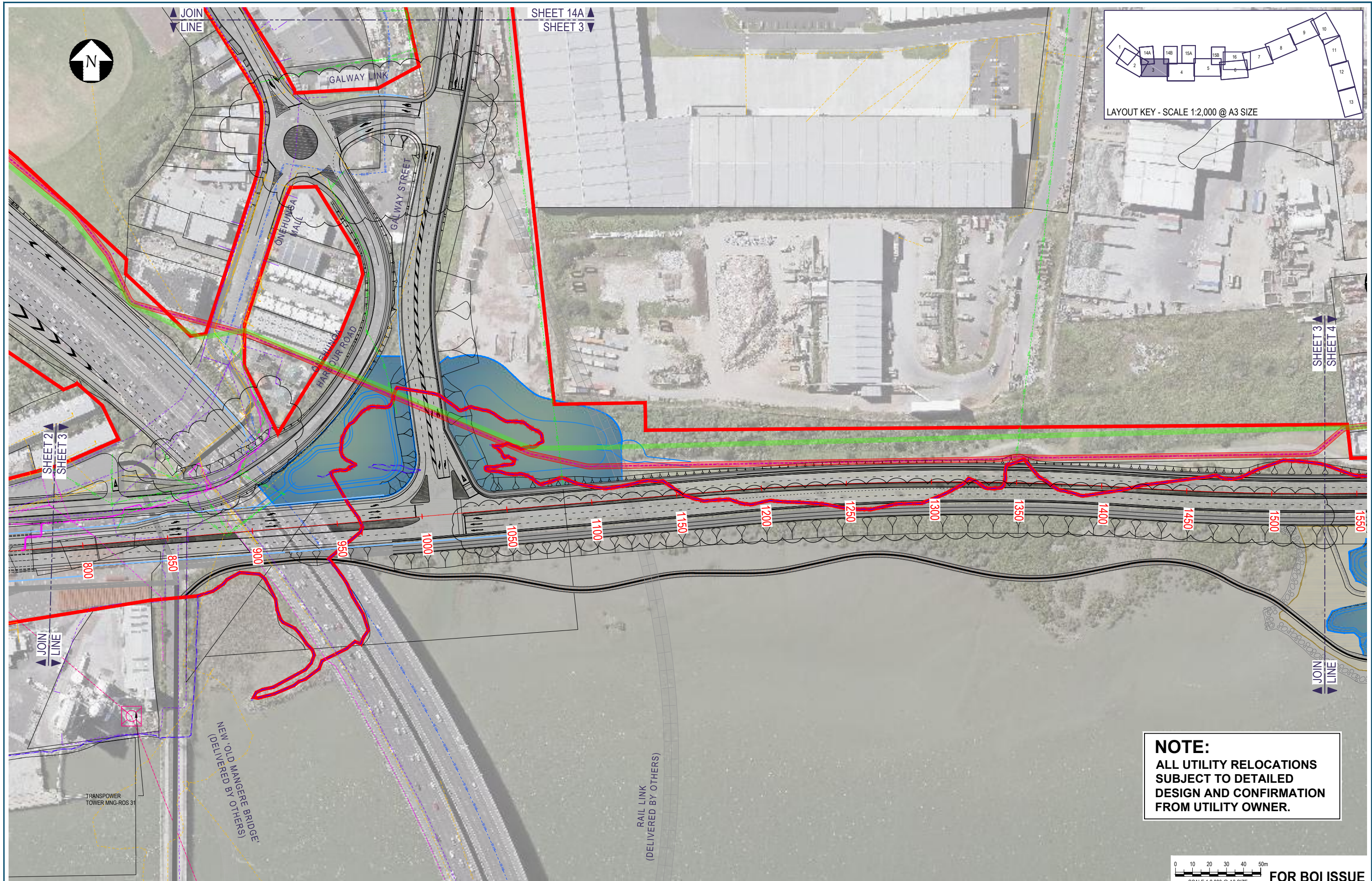
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction

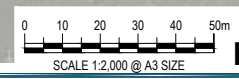


Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title UTILITIES RELOCATION NEILSON STREET INTERCHANGE SHEET 02	Drawing Number AEE-U-102	Rev No. 1
---	-----------------------------	--------------



**NOTE:**  
**ALL UTILITY RELOCATIONS**  
**SUBJECT TO DETAILED**  
**DESIGN AND CONFIRMATION**  
**FROM UTILITY OWNER.**



**FOR BOI ISSUE**

No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction

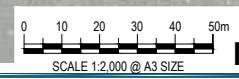
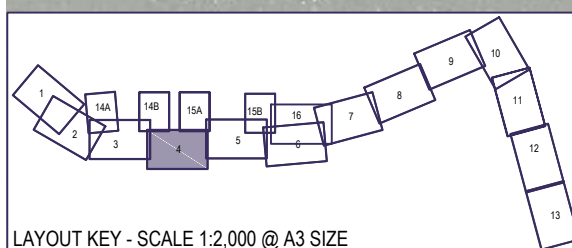
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	N NANCEKIVELL	Approved	P KELLY
Designed	UTIL. OWNER	Design Check	J MURAHIDY	Design Manager	N NANCEKIVELL	Alliance Manager	P KELLY
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	UTILITIES RELOCATION EAST WEST LINK/ GALWAY STREET SHEET 03		
Drawing Number	AEE-U-103		
Rev No.	1		



\*\*\*RELOCATE\*\*\*  
 FIRST GAS  
 WESTFIELD-HILLSBOROUGH PIPELINE (219mm OD)  
 TO BE RELOCATED ALONG EMBANKMENT - ALIGNMENT  
 TO BE CONFIRMED

**NOTE:**  
 ALL UTILITY RELOCATIONS  
 SUBJECT TO DETAILED  
 DESIGN AND CONFIRMATION  
 FROM UTILITY OWNER.



**FOR BOI ISSUE**

No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction



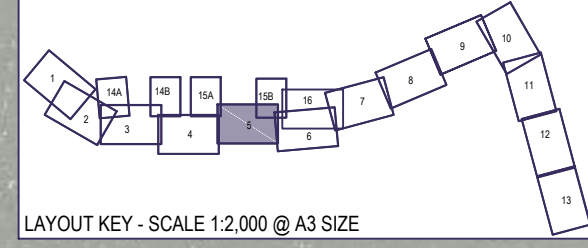
Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager P KELLY
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

Drawing Title <b>UTILITIES RELOCATION EMBANKMENT SHEET 04</b>	Drawing Number <b>AEE-U-104</b>	Rev No. <b>1</b>
--	------------------------------------	---------------------

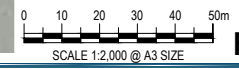


\*\*\*RELOCATE\*\*\*  
 FIRST GAS  
 WESTFIELD-HILLSBOROUGH  
 PIPELINE (219mm OD)  
 TO BE RELOCATED ALONG  
 EMBANKMENT - ALIGNMENT  
 TO BE CONFIRMED

**NOTE:**  
 ALL UTILITY RELOCATIONS  
 SUBJECT TO DETAILED  
 DESIGN AND CONFIRMATION  
 FROM UTILITY OWNER.



LAYOUT KEY - SCALE 1:2,000 @ A3 SIZE



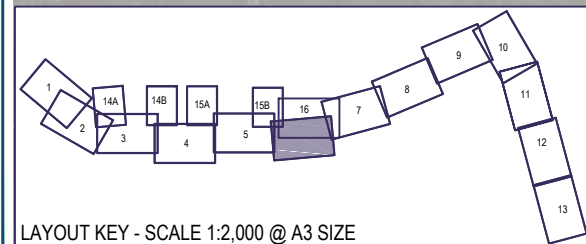
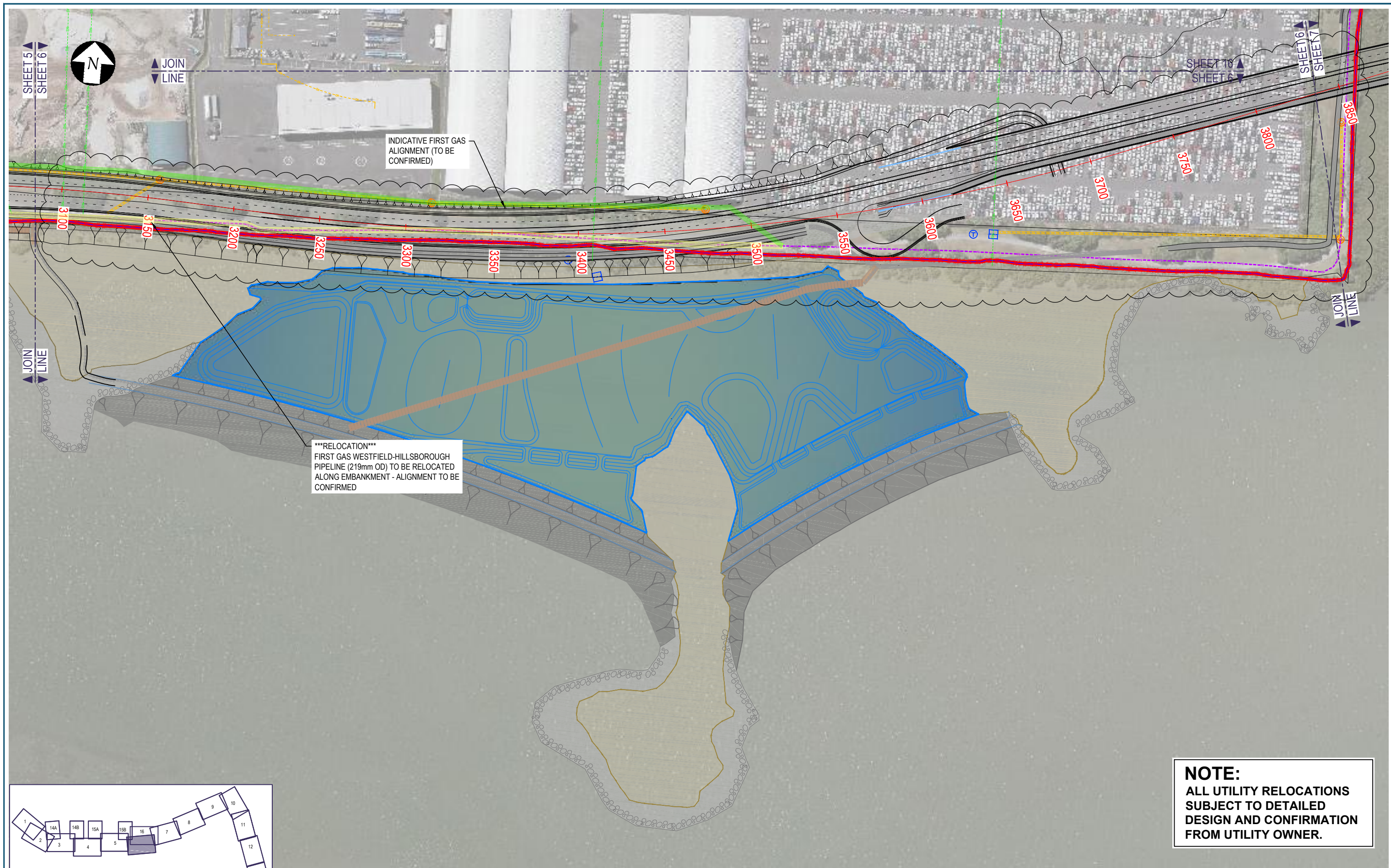
**FOR BOI ISSUE**

No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

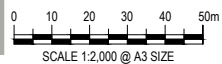
**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction

Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

Drawing Title <b>UTILITIES RELOCATION EMBANKMENT SHEET 05</b>	Drawing Number <b>AEE-U-105</b>	Rev No. <b>1</b>
--	------------------------------------	---------------------



**NOTE:**  
 ALL UTILITY RELOCATIONS  
 SUBJECT TO DETAILED  
 DESIGN AND CONFIRMATION  
 FROM UTILITY OWNER.



**FOR BOI ISSUE**

No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

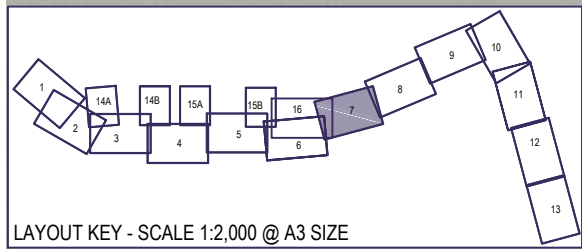
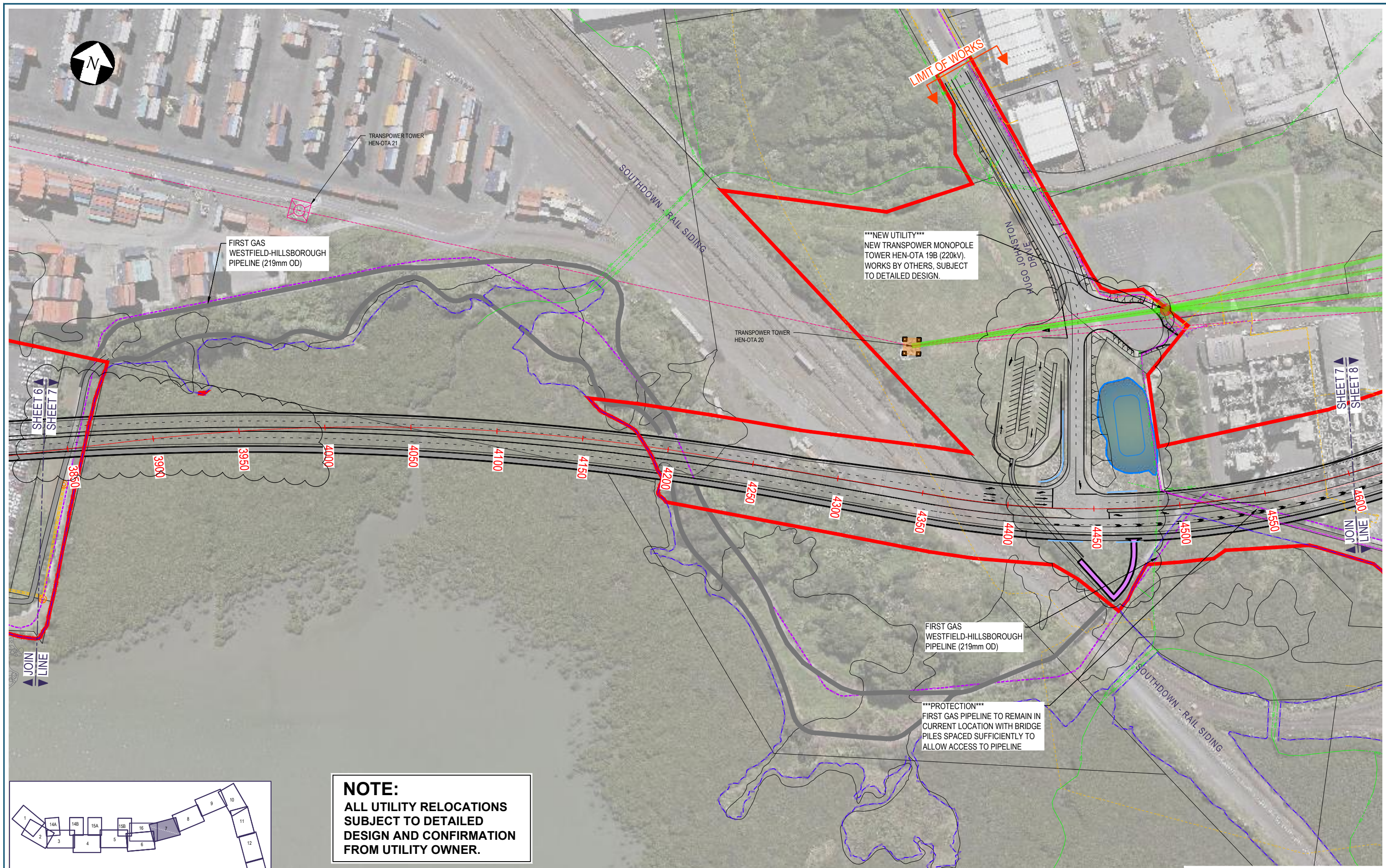
**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction



Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager P KELLY
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

Drawing Title <b>UTILITIES RELOCATION ANNS CREEK/ ANNS CREEK SHEET 06</b>	Drawing Number <b>AEE-U-106</b>	Rev No. <b>1</b>
--	------------------------------------	---------------------





**NOTE:**  
**ALL UTILITY RELOCATIONS**  
**SUBJECT TO DETAILED**  
**DESIGN AND CONFIRMATION**  
**FROM UTILITY OWNER.**

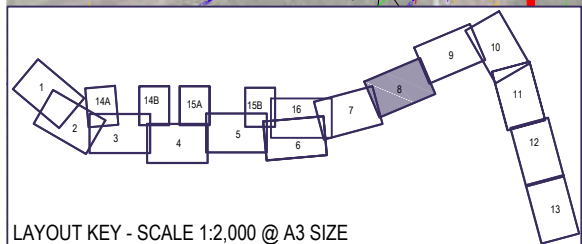
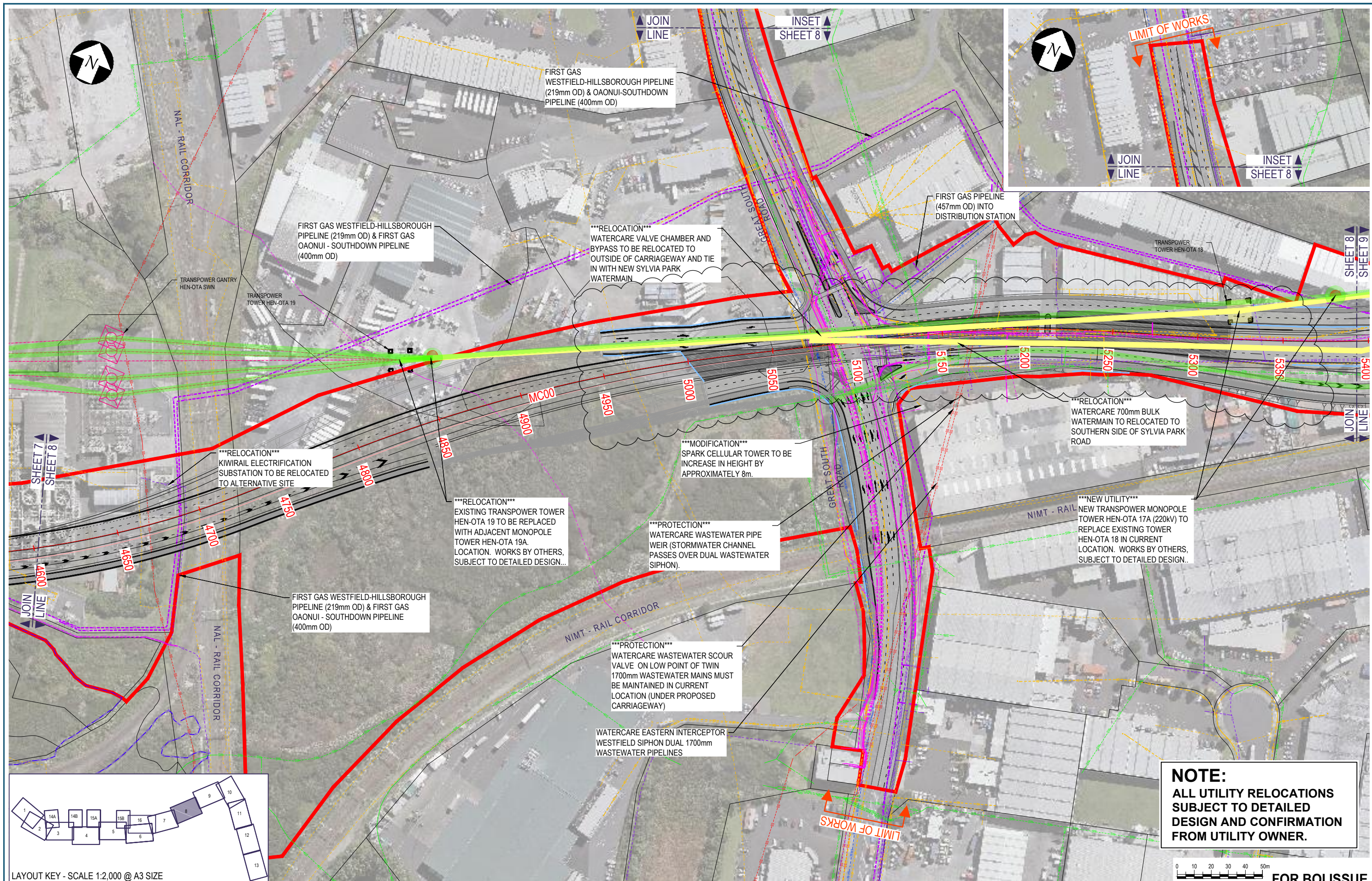
SCALE 1:2,000 @ A3 SIZE **FOR BOI ISSUE**

No.	Issued Status	Drawn	Check'd	App'd	Date
2	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
1	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14.12.2016
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

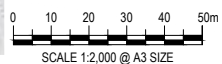
**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction

Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

Drawing Title <b>UTILITIES RELOCATION ANNS CREEK SHEET 07</b>	Drawing Number <b>AEE-U-107</b>	Rev No. <b>2</b>
--	------------------------------------	---------------------



**NOTE:**  
 ALL UTILITY RELOCATIONS  
 SUBJECT TO DETAILED  
 DESIGN AND CONFIRMATION  
 FROM UTILITY OWNER.



**FOR BOI ISSUE**

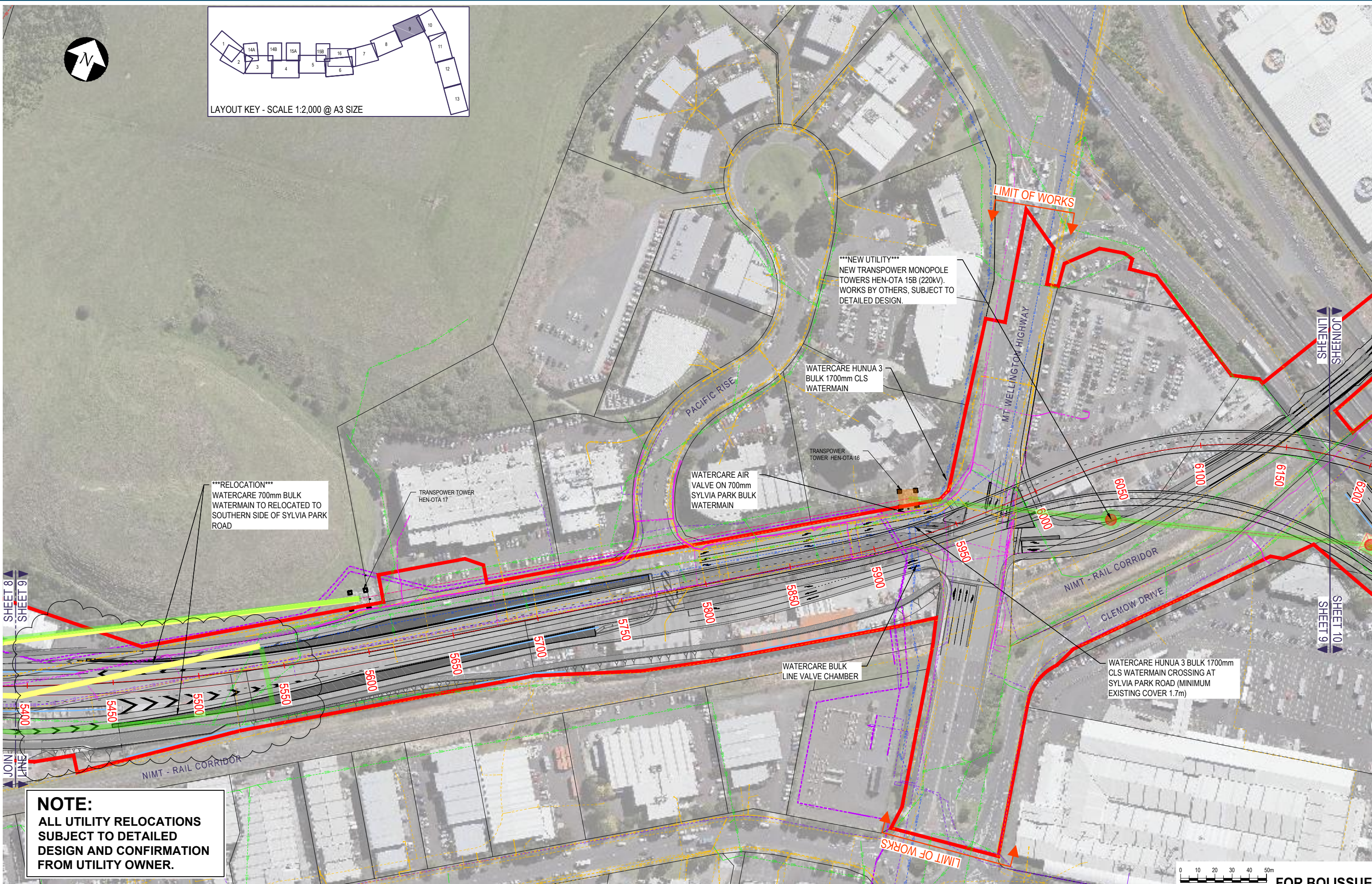
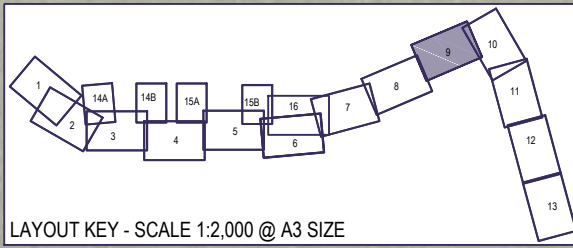
2	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
1	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14.12.2016
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016
No.	Issued Status	Drawn	Check'd	App'd	Date

**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction



Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	N NANCEKIVELL	Approved	J CALDWELL
Designed	UTIL. OWNER	Design Check	J MURAHIDY	Design Manager	27.06.17	Alliance Manager	27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No.	PA4014		

Drawing Title	UTILITIES RELOCATION ANNS CREEK/ SYLVIA PARK ROAD SHEET 08		
Drawing Number	AEE-U-108	Rev No.	2



**NOTE:**  
ALL UTILITY RELOCATIONS  
SUBJECT TO DETAILED  
DESIGN AND CONFIRMATION  
FROM UTILITY OWNER.

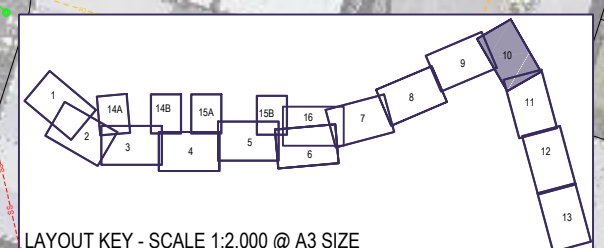
SCALE 1:2,000 @ A3 SIZE **FOR BOI ISSUE**

No.	Issued Status	Drawn	Check'd	App'd	Date
2	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
1	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14.12.2016
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction

Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	N NANCKIVELL	Approved	J CALDWELL
Designed	UTIL. OWNER	Design Check	J MURAHIDY	Design Manager	27.06.17	Alliance Manager	27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	UTILITIES RELOCATION ANNS CREEK/ SYLVIA PARK ROAD SHEET 09		
Drawing Number	AEE-U-109		
Rev No.	2		



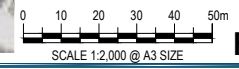
LAYOUT KEY - SCALE 1:2,000 @ A3 SIZE



**NOTE:**  
ALL UTILITY RELOCATIONS  
SUBJECT TO DETAILED  
DESIGN AND CONFIRMATION  
FROM UTILITY OWNER.

\*\*\*NEW UTILITY\*\*\*  
NEW TRANSPOWER MONOPOLE  
TOWER HEN-OTA 15A (220kV) TO  
REPLACE EXISTING TOWER  
HEN-OTA 15 IN CURRENT  
LOCATION. WORKS BY OTHERS,  
SUBJECT TO DETAILED DESIGN.

\*\*\*NEW UTILITY\*\*\*  
NEW TRANSPOWER MONOPOLE TOWER  
HEN-OTA 14A (220kV) TO REPLACE  
EXISTING TOWER HEN-OTA 14 IN  
CURRENT LOCATION. WORKS BY  
OTHERS, SUBJECT TO DETAILED  
DESIGN.



SCALE 1:2,000 @ A3 SIZE **FOR BOI ISSUE**

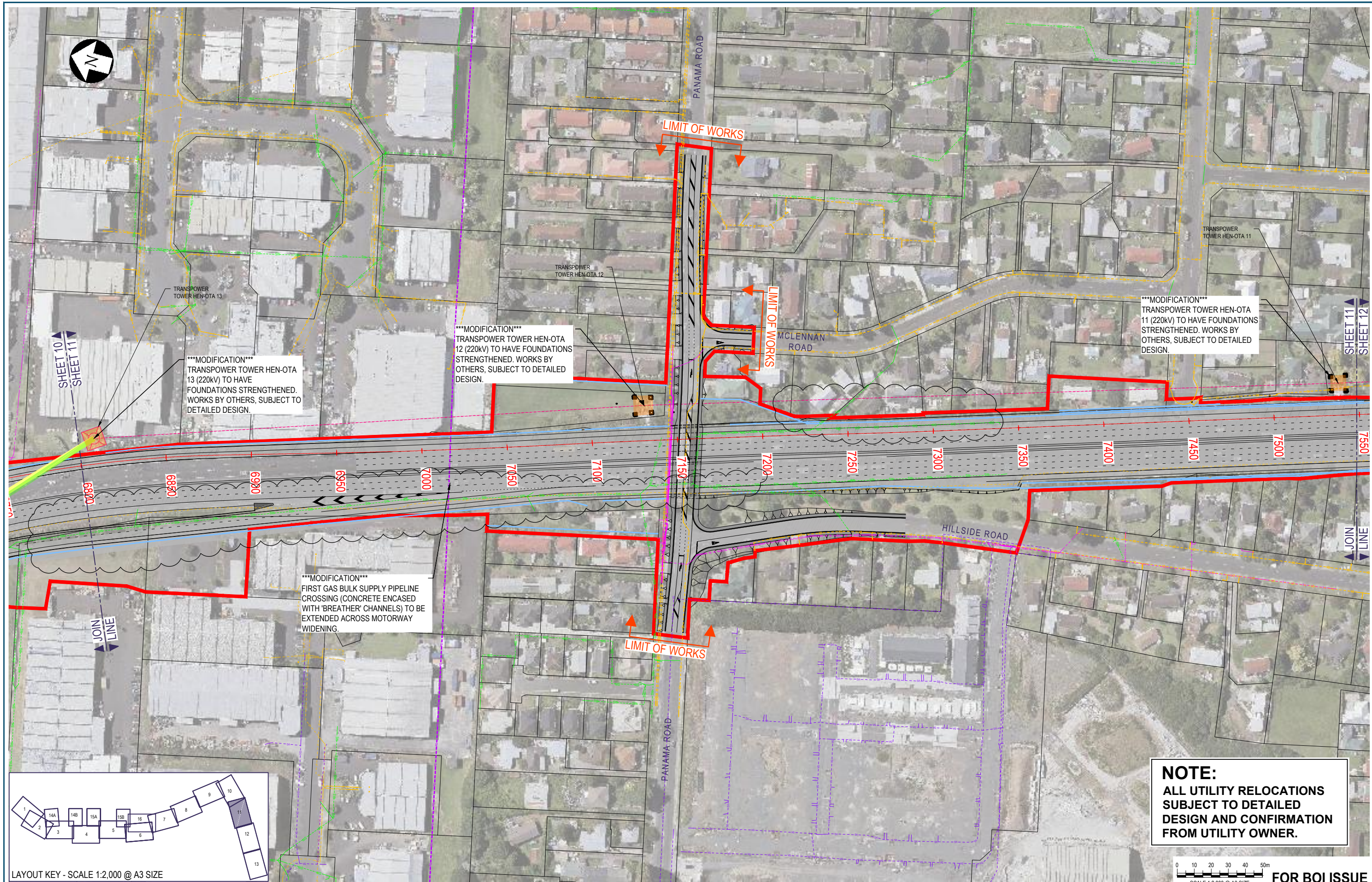
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction



Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

Drawing Title <b>UTILITIES RELOCATION SH1/ SYLVIA PARK RAMPS SHEET 10</b>	Rev No. <b>1</b>
Drawing Number <b>AEE-U-110</b>	



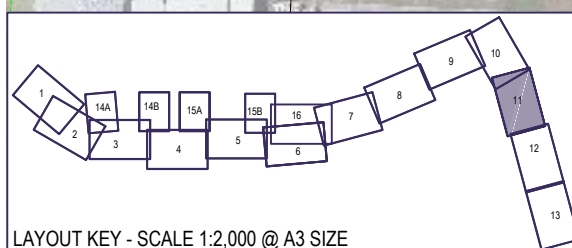
\*\*\*MODIFICATION\*\*\*  
 TRANSPOWER TOWER HEN-OTA 13 (220kV) TO HAVE FOUNDATIONS STRENGTHENED. WORKS BY OTHERS, SUBJECT TO DETAILED DESIGN.

\*\*\*MODIFICATION\*\*\*  
 TRANSPOWER TOWER HEN-OTA 12 (220kV) TO HAVE FOUNDATIONS STRENGTHENED. WORKS BY OTHERS, SUBJECT TO DETAILED DESIGN.

\*\*\*MODIFICATION\*\*\*  
 TRANSPOWER TOWER HEN-OTA 11 (220kV) TO HAVE FOUNDATIONS STRENGTHENED. WORKS BY OTHERS, SUBJECT TO DETAILED DESIGN.

\*\*\*MODIFICATION\*\*\*  
 FIRST GAS BULK SUPPLY PIPELINE CROSSING (CONCRETE ENCASED WITH 'BREATHER' CHANNELS) TO BE EXTENDED ACROSS MOTORWAY WIDENING.

**NOTE:**  
 ALL UTILITY RELOCATIONS SUBJECT TO DETAILED DESIGN AND CONFIRMATION FROM UTILITY OWNER.



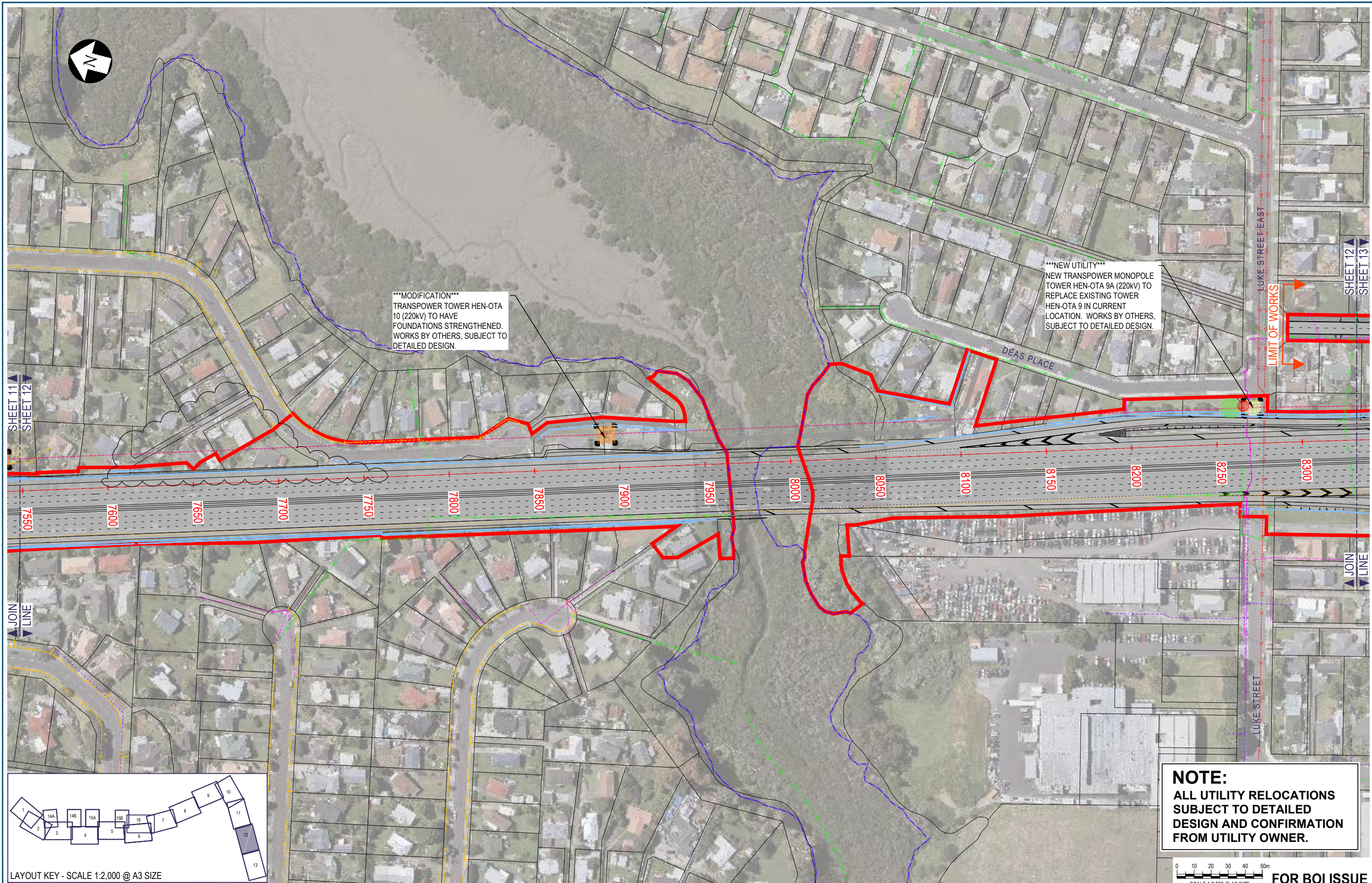
LAYOUT KEY - SCALE 1:2,000 @ A3 SIZE

No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction

Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCKEVILL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

Drawing Title <b>UTILITIES RELOCATION SH1/ PANAMA ROAD SHEET 11</b>	Drawing Number <b>AEE-U-111</b>	Rev No. <b>1</b>
--	------------------------------------	---------------------



\*\*\*MODIFICATION\*\*\*  
 TRANSPOWER TOWER HEN-OTA 10 (220kV) TO HAVE FOUNDATIONS STRENGTHENED. WORKS BY OTHERS, SUBJECT TO DETAILED DESIGN.

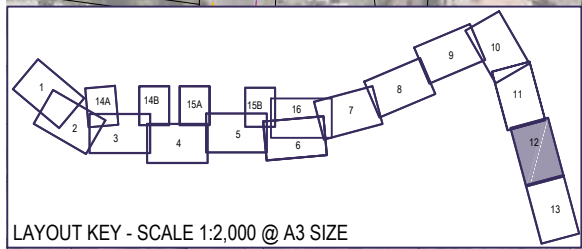
\*\*\*NEW UTILITY\*\*\*  
 NEW TRANSPOWER MONOPOLE TOWER HEN-OTA 9A (220kV) TO REPLACE EXISTING TOWER HEN-OTA 9 IN CURRENT LOCATION. WORKS BY OTHERS, SUBJECT TO DETAILED DESIGN.

SHEET 11  
 SHEET 12

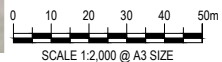
SHEET 12  
 SHEET 13

JOIN  
 LINE

JOIN  
 LINE



**NOTE:**  
 ALL UTILITY RELOCATIONS SUBJECT TO DETAILED DESIGN AND CONFIRMATION FROM UTILITY OWNER.



**FOR BOI ISSUE**

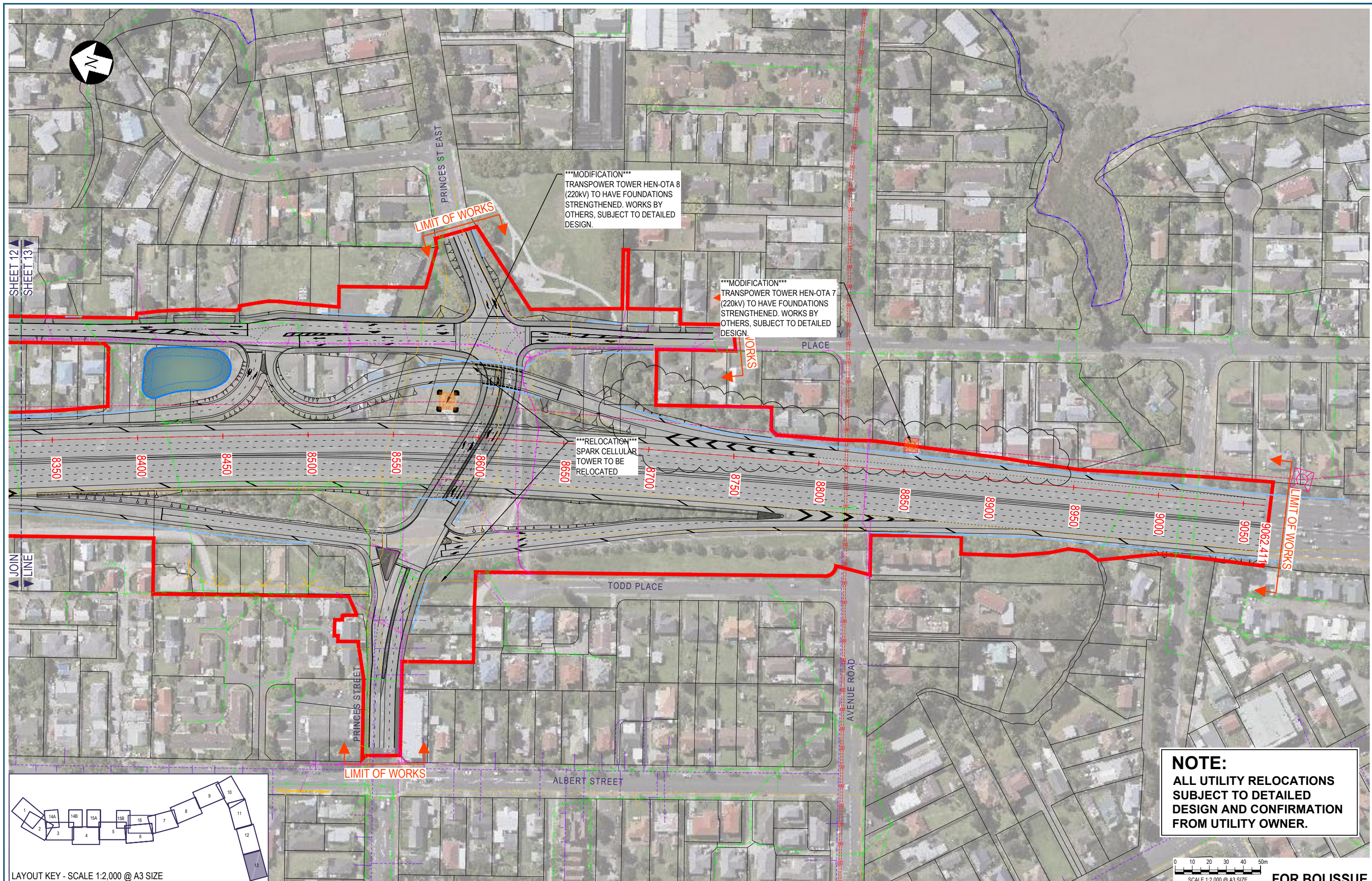
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction



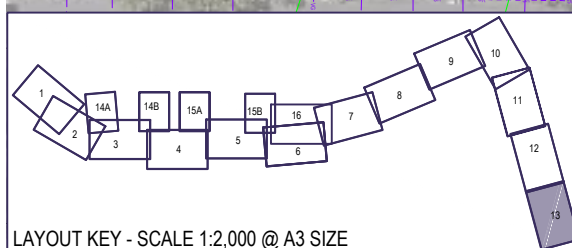
Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

Drawing Title <b>UTILITIES RELOCATION SH1/ OTAHUHU CREEK SHEET 12</b>	Drawing Number <b>AEE-U-112</b>	Rev No. <b>1</b>
--	------------------------------------	---------------------



SHEET 12  
SHEET 13

JOIN  
LINE



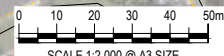
LAYOUT KEY - SCALE 1:2,000 @ A3 SIZE

\*\*\*MODIFICATION\*\*\*  
TRANSPOWER TOWER HEN-OTA 8  
(220kV) TO HAVE FOUNDATIONS  
STRENGTHENED. WORKS BY  
OTHERS, SUBJECT TO DETAILED  
DESIGN.

\*\*\*MODIFICATION\*\*\*  
TRANSPOWER TOWER HEN-OTA 7  
(220kV) TO HAVE FOUNDATIONS  
STRENGTHENED. WORKS BY  
OTHERS, SUBJECT TO DETAILED  
DESIGN.

\*\*\*RELOCATION\*\*\*  
SPARK CELLULAR  
TOWER TO BE  
RELOCATED

**NOTE:**  
ALL UTILITY RELOCATIONS  
SUBJECT TO DETAILED  
DESIGN AND CONFIRMATION  
FROM UTILITY OWNER.



FOR BOI ISSUE

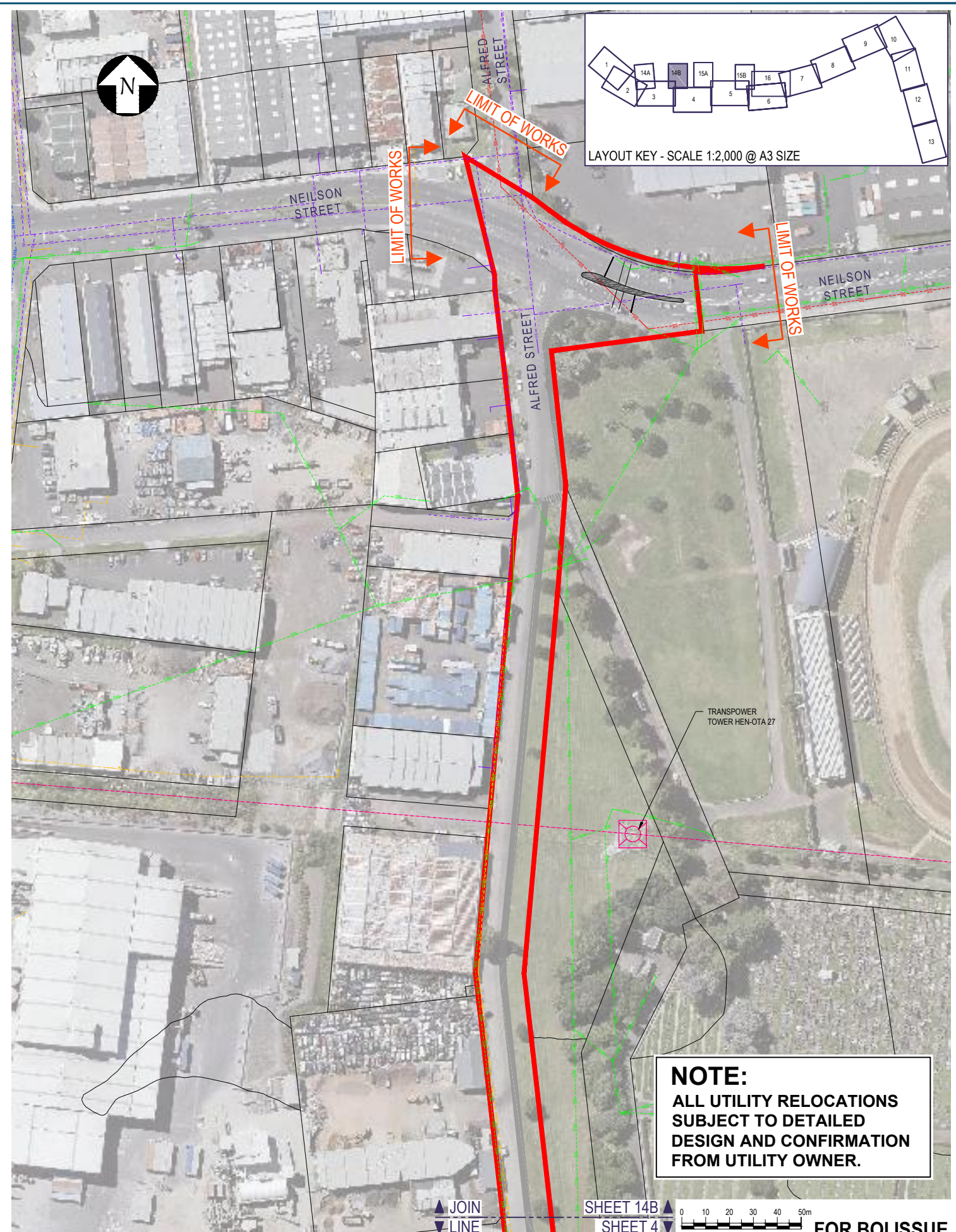
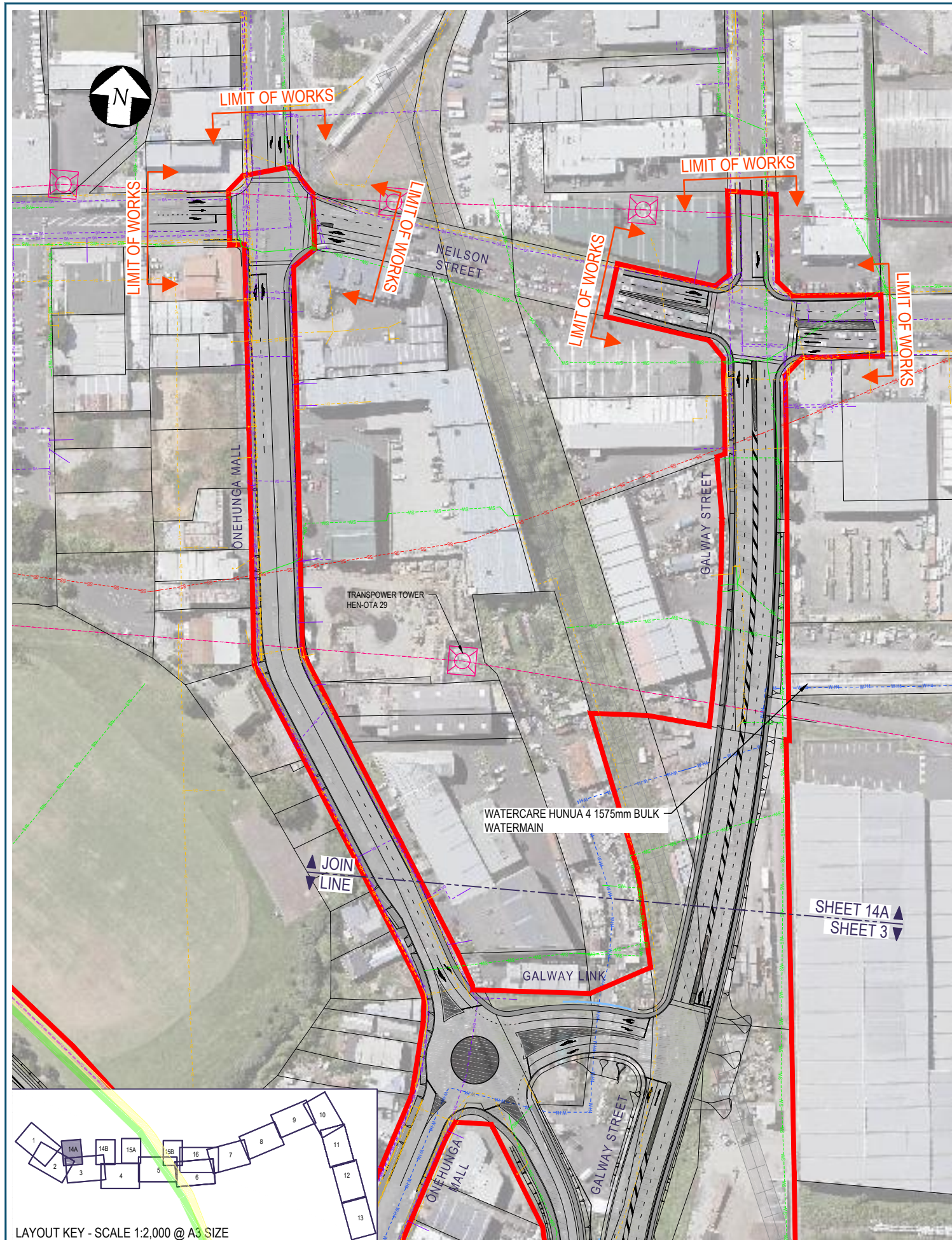
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction



Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title UTILITIES RELOCATION PRINCES ST INTERCHAGNE SHEET 13	Drawing Number AEE-U-113	Rev No. 1
---	-----------------------------	--------------



**NOTE:**  
 ALL UTILITY RELOCATIONS  
 SUBJECT TO DETAILED  
 DESIGN AND CONFIRMATION  
 FROM UTILITY OWNER.

LAYOUT KEY - SCALE 1:2,000 @ A3 SIZE

No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction



Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	UTIL. OWNER	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	UTILITIES RELOCATION NEILSON STREET INTERCHANGE - LOCAL ROADS SHEET 14A & 14B		
Drawing Number	AEE-U-114		
Rev No.	1		



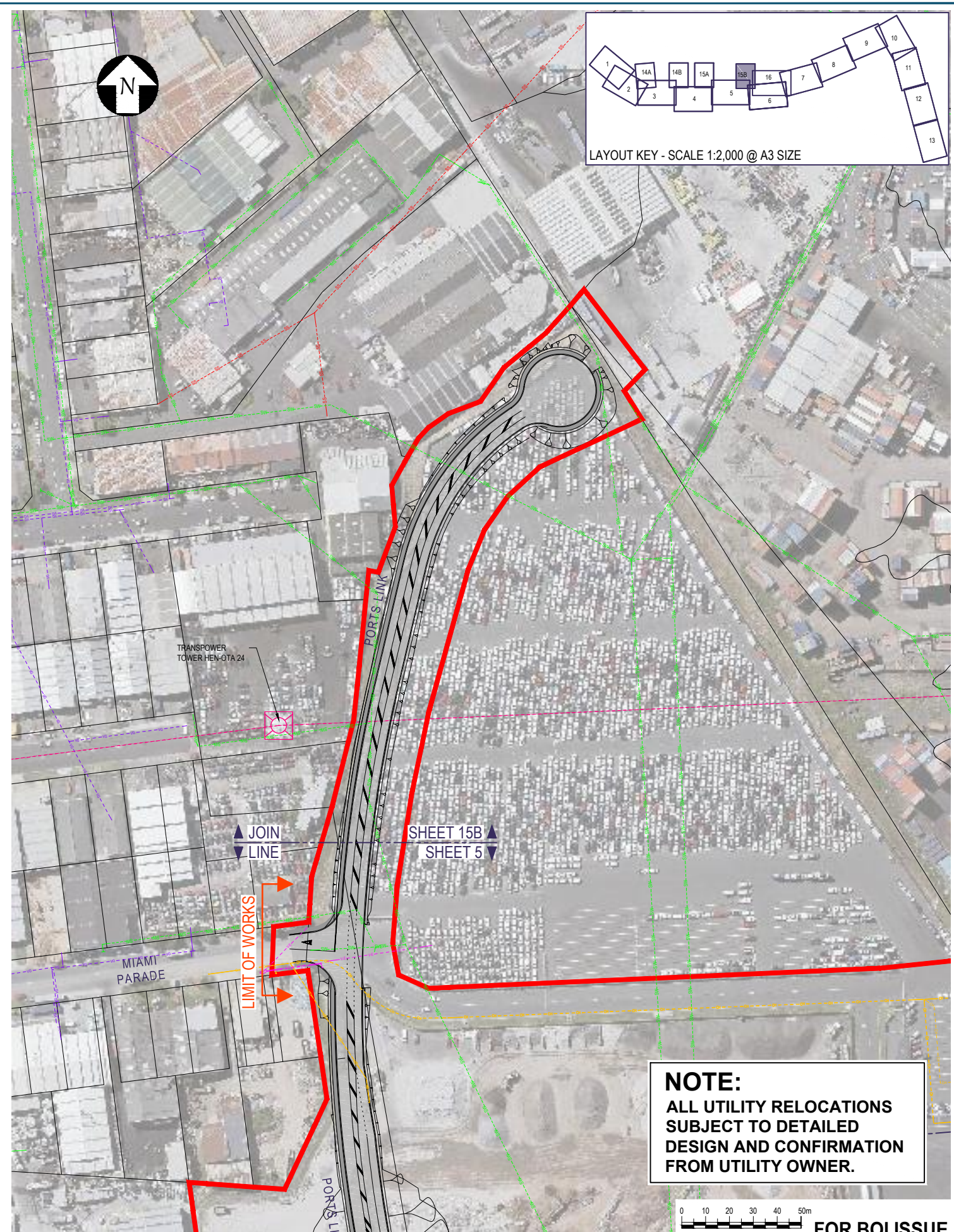


No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
 This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction

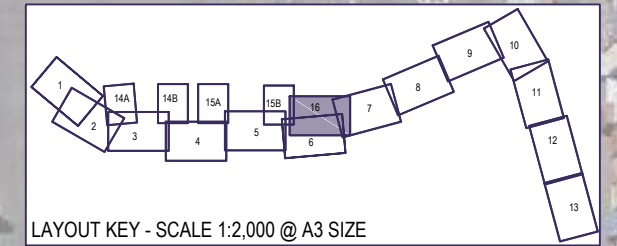
Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title UTILITIES RELOCATION CAPTAIN SPRINGS ROAD/ PORTS LINK SHEET 15A & 15B	Drawing Number AEE-U-115	Rev No. 1
--	-----------------------------	--------------



Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

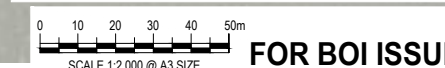
Drawing Title UTILITIES RELOCATION CAPTAIN SPRINGS ROAD/ PORTS LINK SHEET 15A & 15B	Drawing Number AEE-U-115	Rev No. 1
--	-----------------------------	--------------



LAYOUT KEY - SCALE 1:2,000 @ A3 SIZE



**NOTE:**  
ALL UTILITY RELOCATIONS  
SUBJECT TO DETAILED  
DESIGN AND CONFIRMATION  
FROM UTILITY OWNER.



**FOR BOI ISSUE**

No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

**DISCLAIMER**  
This drawing is for the purpose of supporting applications under the RMA for resource consents and designations. All information shown is subject to final design. Areas and measurements are subject to survey. Where the designs conflict with conditions the conditions will prevail. This Drawing **must not** be used for construction



**East West Link**

Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed UTIL. OWNER	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

Drawing Title <b>UTILITIES RELOCATION EMBANKMENT SHEET 16</b>	Drawing Number <b>AEE-U-116</b>	Rev No. <b>1</b>
--	------------------------------------	---------------------