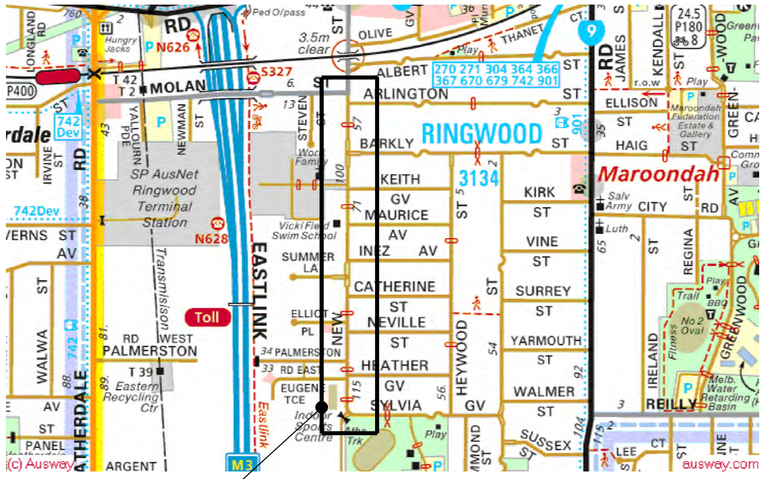
NEW STREET, RINGWOOD
ROAD REHABILITATION & DRAINAGE UPGRADES

GENERAL NOTES

1. ALL LEVELS AND COORDINATES ARE TO A.H.D. AND MGA94.
2. THE CONTRACTOR SHALL SETOUT THE WORKS FROM THE NOMINATED REFERENCE LINES, SURVEY MARKS AND CONTROL POINTS SHOWN ON THE PLANS AND TO THE SPECIFIED DETAILS.
3. THE CONTRACTOR SHALL MAINTAIN AND PROTECT THE SURVEY MARKS FOR THE DURATION OF THE CONTRACT.
4. THE EDGES OF EXCAVATIONS IN BITUMINOUS AND/OR CONCRETE PAVEMENT ARE TO BE SAW CUT TO SUFFICIENT DEPTH (MINIMUM 200mm) TO PREVENT ANY OVERBREAK, LIFTING OR DAMAGE TO THE ADJACENT PAVEMENT.
5. ALL EXISTING REDUNDANT CONCRETE, PAVEMENT, SOIL, RUBBISH AND CONSTRUCTION DEBRIS SHALL BE TAKEN UP AND REMOVED FROM SITE.
6. PRIOR TO COMPLETION THE CONTRACTOR SHALL ENSURE THE SITE IS TIDIED AND OBTAIN A CLEARANCE FROM THE SUPERINTENDENT.
7. ALL EXISTING TREES WITHIN THE WORKS AREA SHALL BE PROTECTED AT ALL TIMES UNLESS OTHERWISE STATED OR DIRECTED BY COUNCIL'S SUPERINTENDENT.
8. TRAFFIC MANAGEMENT SHALL BE ARRANGED BY THE CONTRACTOR FOR THE DURATION OF THE WORKS IN ACCORDANCE WITH THE SPECIFICATION AND TO THE SATISFACTION OF THE SUPERINTENDENT, INCLUDING THE PROVISION OF ALL NECESSARY SIGNAGE, LIGHTING AND BARRICADING. TRAFFIC FLOWS IN ALL ABUTTING ROADWAYS AND PROPERTY ACCESS SHALL REMAIN UNIMPEDED FOR THE DURATION OF THE WORKS. ALL TRAFFIC MANAGEMENT WORKS TO BE IN ACCORDANCE WITH AS1742.3 AND THE CODE OF PRACTICE FOR THE ROAD MANAGEMENT ACT 2004.
9. ALL DISTURBED AREAS WITHIN THE WORKS LIMIT SHALL BE TOPSOILED (MIN. 100mm DEPTH), CULTIVATED, FERTILISED AND SEEDED WITH AN APPROVED GRASS SEED MIXTURE.
10. ALL DEPTHS OF ASPHALT & CRUSHED ROCK FOR NEW PAVEMENT COMPOSITION ARE COMPACTED DEPTHS.
11. ALL NEW KERB AND CHANNEL CONSTRUCTION IS TO MATCH IN NEATLY WITH THE EXISTING KERB & CHANNEL.
12. THE EXACT LOCATION OF ALL SERVICES SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO EXCAVATING IN THEIR VICINITY. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. EXTREME CAUTION SHALL BE EXERCISED WHEN EXCAVATING IN THE VICINITY OF SERVICES, INCLUDING ELECTRICITY POLES, UNDERGROUND SERVICES, ETC. THE RELEVANT AUTHORITY SHALL BE CONTACTED PRIOR TO EXCAVATING IN CLOSE PROXIMITY TO SERVICES. SERVICE LOCATIONS ARE INDICATIVE ONLY.
13. ALL SERVICE FITTINGS WHICH ARE WITHIN THE LIMIT OF WORKS AREA SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED SURFACE LEVELS AS REQUIRED.
14. ALL NEW LINEMARKING AND SIGNAGE SHALL BE IN ACCORDANCE WITH VIC ROADS TRAFFIC ENGINEERING MANUAL VOL. 2 SIGNS AND MARKINGS AND AS17422, AND INSTALLED AS SHOWN ON THE SIGNAGE AND LINEMARKING PLANS. ALL NEW SIGNS ARE TO BE LOCATED 800mm BEHIND BACK OF KERB OR AS DIRECTED BY COUNCIL'S SUPERINTENDENT.
15. THE CONTRACTOR IS TO SUPPORT ELECTRICITY POLES ALL IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.



SITE OF WORKS

LOCALITY PLAN
N.T.S.
(MELWAY REF: MAP 49 E10, F9, F10, F11, F12)

DRAWING INDEX

SHEET No.	DESCRIPTION
1	FACE SHEET: - LOCALITY PLAN, GENERAL NOTES & DRAWING INDEX
2	TYPICAL SECTIONS & DETAILS
3 - 10	DETAIL PLAN
11	RETAINING STRUCTURE DETAIL PLAN
12 - 19	PAVEMENT PLAN
20 - 25	SERVICE FITTING ADJUSTMENT PLAN
26 - 31	SUBSURFACE DRAINAGE PLAN
32	REFERENCE LINE SETOUT DETAILS
33 - 38	DESIGN CONTOUR & SETOUT PLAN
39 - 43	REFERENCE LINE - LONGITUDINAL SECTIONS
44 - 48	WEST BACK OF PATH - LONGITUDINAL SECTION
49 - 52	WEST BACK OF PATH SETOUT DETAILS
53 - 67	REFERENCE LINE - CROSS SECTIONS
68 - 85	KERB RETURN LONGITUDINAL SECTIONS
86 - 89	DRAINAGE LONGITUDINAL SECTIONS
90	DRAINAGE CROSS SECTIONS - PLAN VIEW
91	DRAINAGE CROSS SECTIONS
92 - 93	DRAINAGE PIT SCHEDULE
94 - 115	PIT DETAILS
116 - 122	LINEMARKING & SIGNAGE PLAN

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CONSTRUCTION ISSUE

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NEW STREET, RINGWOOD
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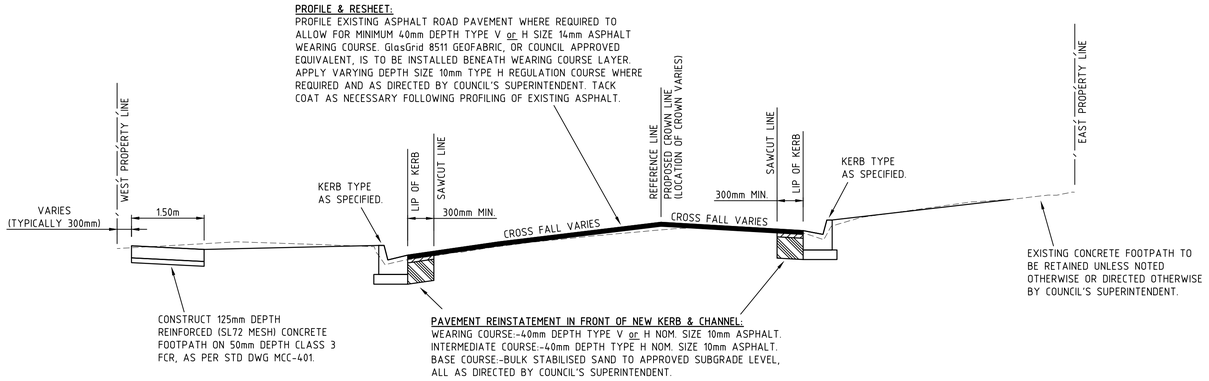
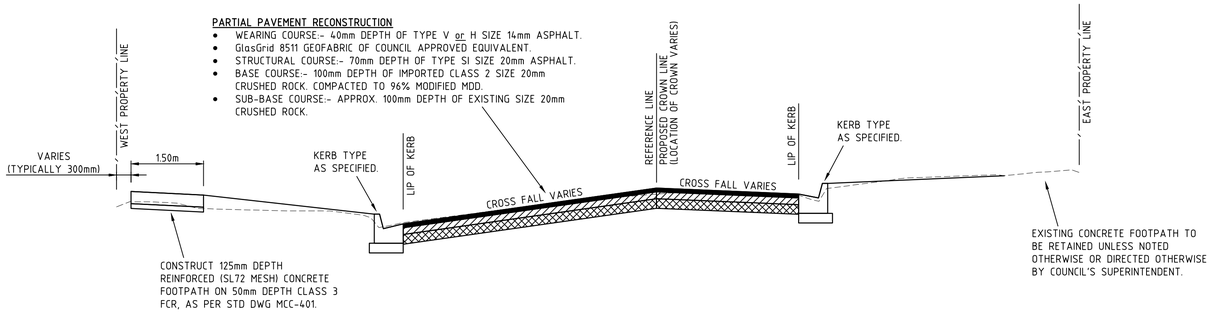
FACE SHEET

CRE REF: 2375-(REV-P14).DWG	
CRE REV. NO.: P14	
AMEND. NO.: A	
DWG.NO. 2375	
SHEET: 1 OF 122	SIZE: A1



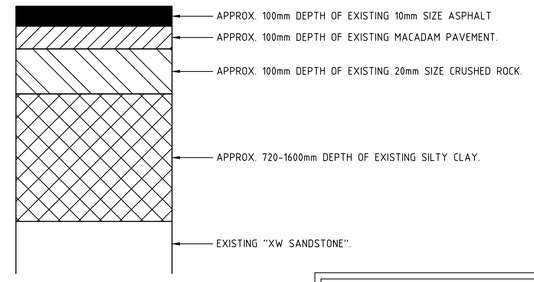
TYPICAL CROSS SECTION - PROFILE & RESHEET

NOT TO SCALE



TYPICAL CROSS SECTION - PARTIAL PAVEMENT RECONSTRUCTION

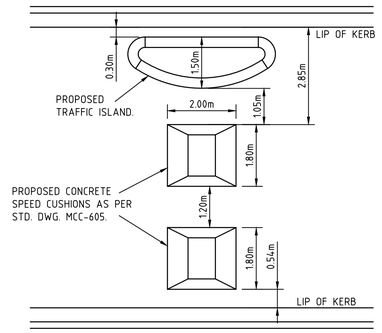
NOT TO SCALE



APPROXIMATE EXISTING PAVEMENT PROFILE

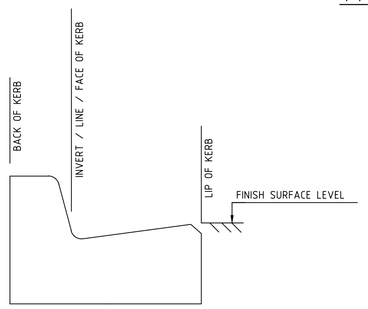
NOT TO SCALE

NOTE:
THIS IS TAKEN FROM THE GEOTECHNICAL REPORT PREPARED BY "LR PARDO". REPORT No. 191547.



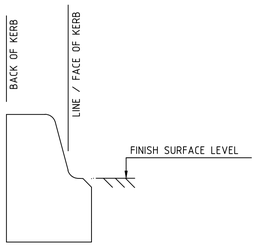
TYPICAL LAYOUT FOR PROPOSED SPEED CUSHIONS

NOT TO SCALE



B2 - BARRIER KERB & CHANNEL - MCC-107

NOT TO SCALE



B1 - BARRIER KERB - MCC-107

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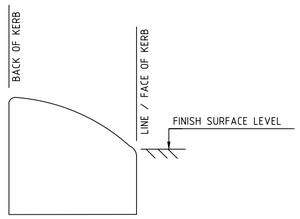
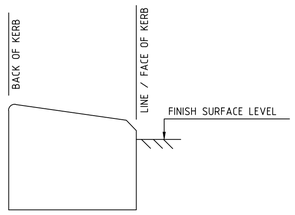


SM1 - SEMI-MOUNTABLE KERB - MCC-107

NOT TO SCALE



M4 - MOUNTABLE KERB - MCC-107

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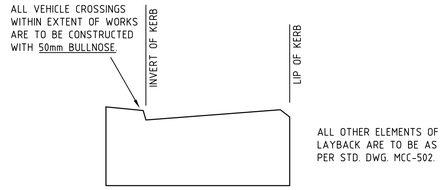
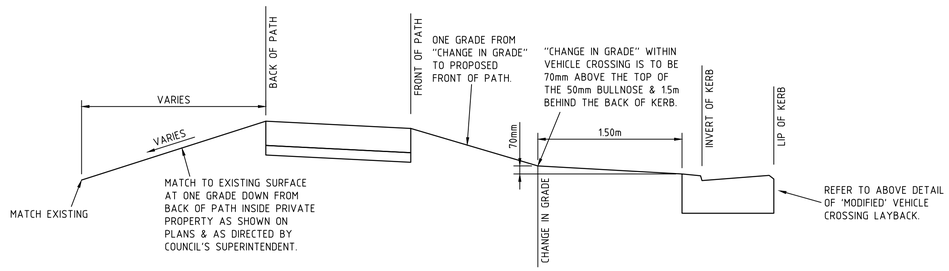


TYPICAL 'MODIFIED' VEHICLE CROSSING LAYBACK TO BE ADOPTED FOR ALL CROSSINGS ON WEST SIDE BETWEEN CH 590 & CH 780

NOT TO SCALE



TYPICAL VEHICLE CROSSING PROFILE FOR ALL CROSSINGS ON WEST SIDE BETWEEN CH 590 & CH 780

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NEW STREET, RINGWOOD
ROAD REHABILITATION & DRAINAGE UPGRADES

TYPICAL SECTIONS & DETAILS

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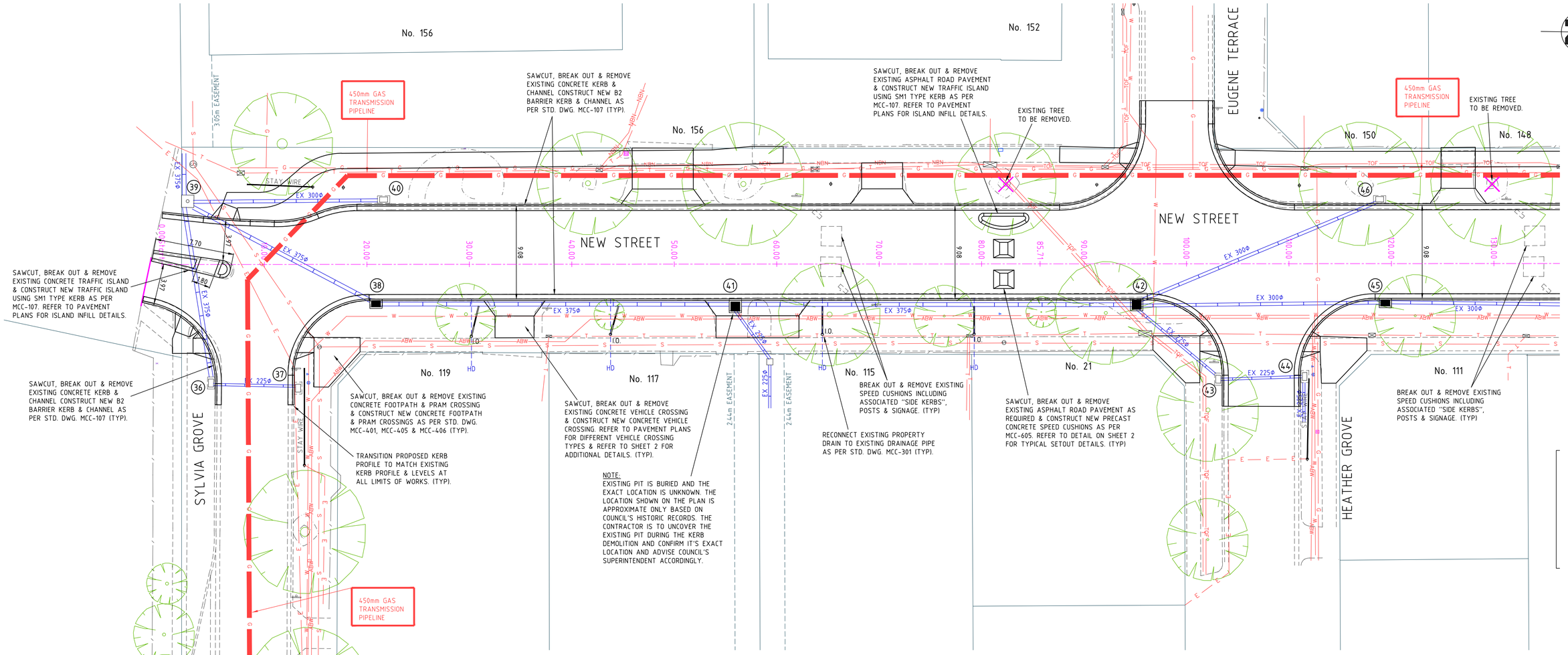
CRE REV. NO.: P14	
AMEND. NO.: A	
DWG.NO. 2375	
SHEET: 2 OF 122	SIZE: A1



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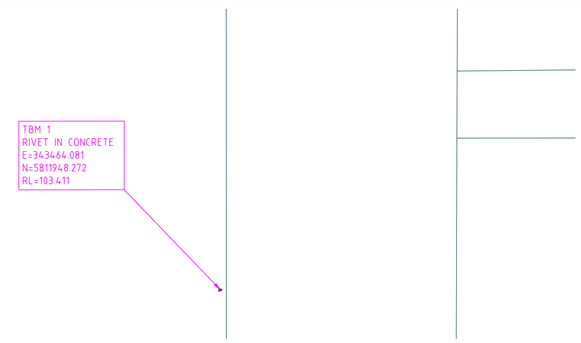

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0 2 4 6 8 10m
SCALE 1:200 AT ORIGINAL SIZE

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NEW STREET, RINGWOOD
ROAD REHABILITATION & DRAINAGE UPGRADES

DETAIL PLAN

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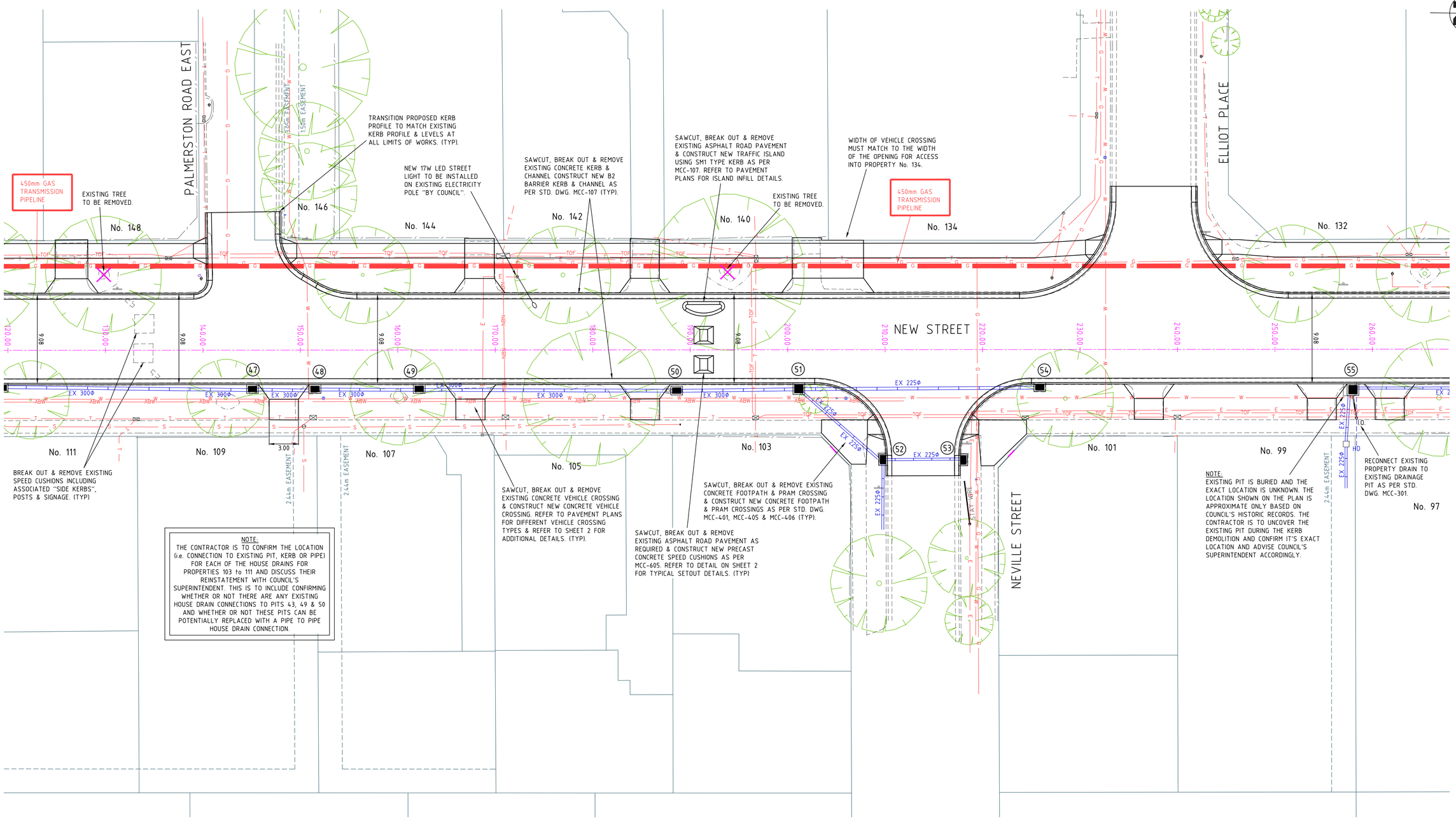
CRE REV. NO.: P14	
AMEND. NO.: A	
DWG.NO. 2375	
SHEET: 3 OF 122	SIZE: A1



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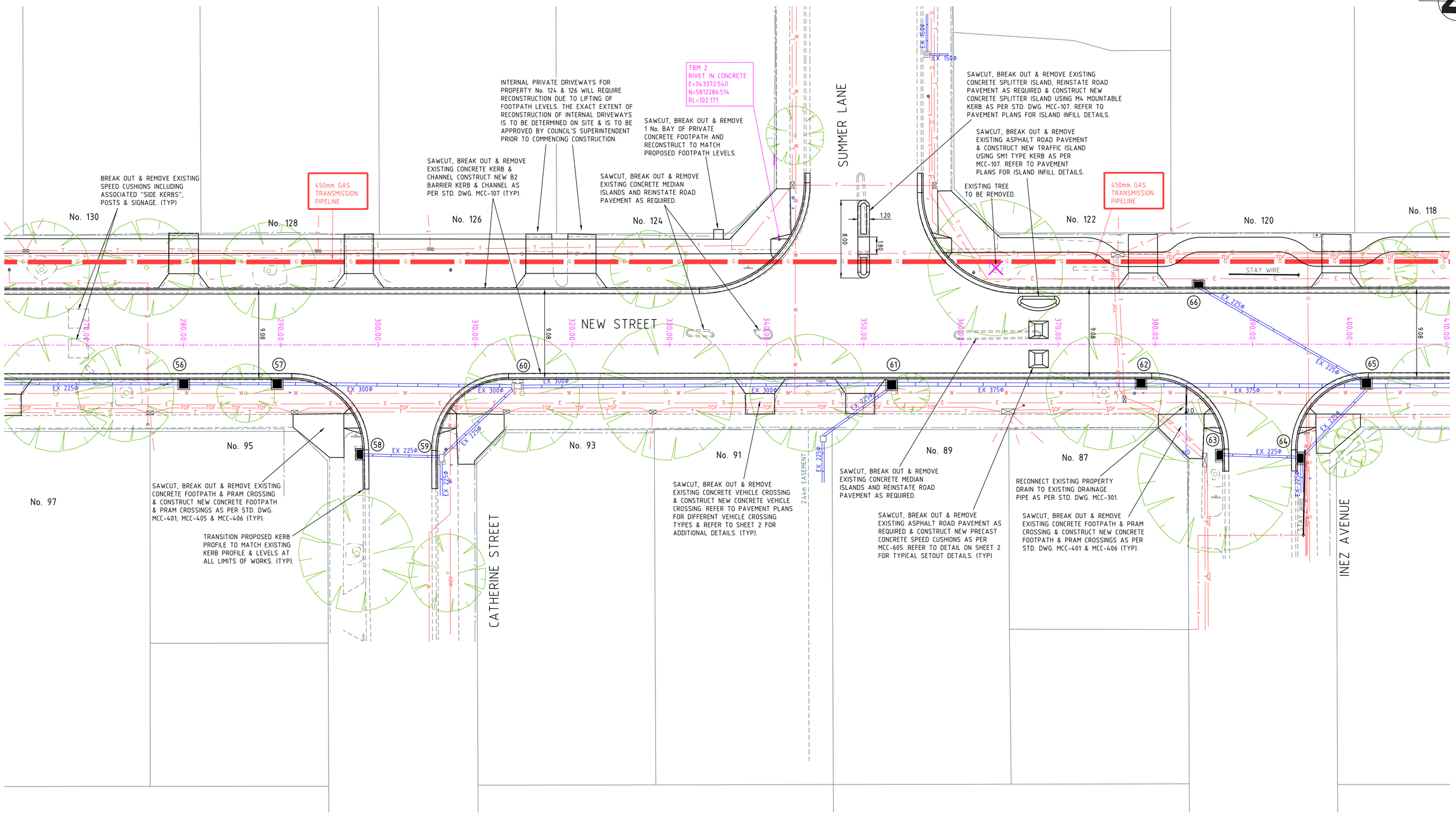

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CONSTRUCTION ISSUE

LEGEND

- TOF — EX TELSTRA OPTIC FIBRE
- HPG — EX HIGH PRESSURE GAS MAIN
- T — EX TELSTRA CABLE & PIT
- S — EX SEWER & PIT
- W — EX WATER MAIN
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- G — EX GAS MAIN
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- E — EX O/H ELECTRICITY CABLE
- O — EX OPTUS CABLE
- HD — HOUSE DRAIN
- STOP VALVE
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- FIRE HYDRANT (ABOVE GROUND)
- FIRE HYDRANT (GROUND LEVEL)
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- TREE
- EX. SIGN
- LIMIT OF WORKS
- EXISTING BOLLARD
- EX DRAIN & PIT
- RUBBISH BIN
- PROPOSED DRAIN & PIT
- PSM
- STN/TBM

NO.	AMENDMENTS	DATE

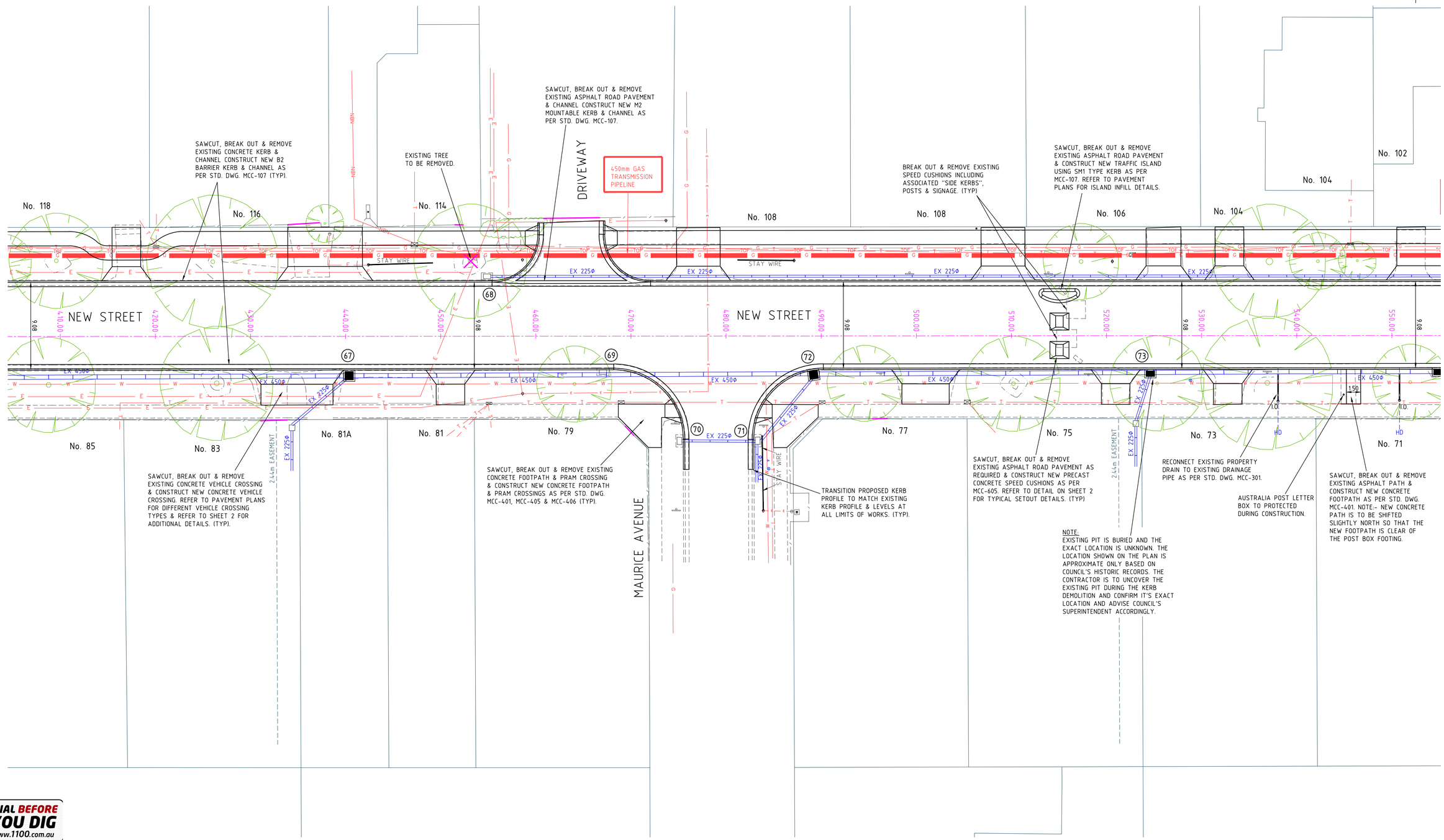
CRE CONSULTING ENGINEERS PTY LTD
Civil • Municipal • Drainage • Project Management
704 Mount Alexander Road, Moonee Ponds, Vic, 3039
Phone: (03) 9370 5522 Fax: (03) 9370 5533
Email: admin@creconsulting.com.au

DESIGNED : CRE	DATE : 07/08/19
CHECKED : DATE :	
SURVEYED: COUNCIL	DATE : JULY 2019
SURVEY DATUM : A.H.D. & MGA	
SCALES : AS SHOWN @A1	

CLIENT: Maroondah City Council

NEW STREET, RINGWOOD
ROAD REHABILITATION & DRAINAGE UPGRADES
DETAIL PLAN

CRE REF: 2375-(REV-P14).DWG	
CRE REV. NO.: P14	
AMEND. NO.: A	
DWG.NO. 2375	
SHEET: 5 OF 122	SIZE: A1



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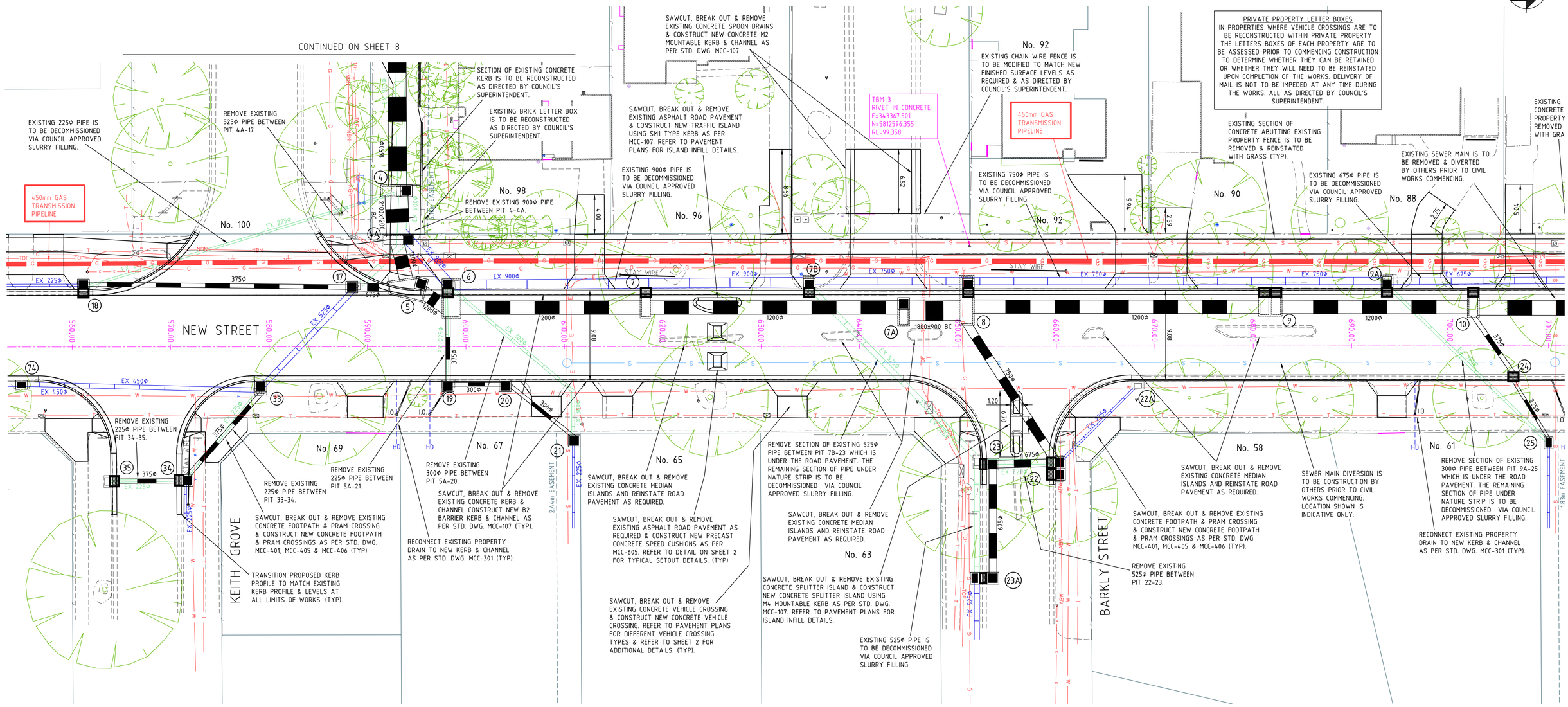
AMEND. NO.: A	
DWG.NO. 2375	
SHEET: 6 OF 122	SIZE: A1



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NO.	AMENDMENTS	DATE
A	UPDATED PROPOSED DRAINAGE LAYOUT FROM PIT #4A TO PIT #12.	30/06/21

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NEW STREET, RINGWOOD
ROAD REHABILITATION & DRAINAGE UPGRADES
DETAIL PLAN

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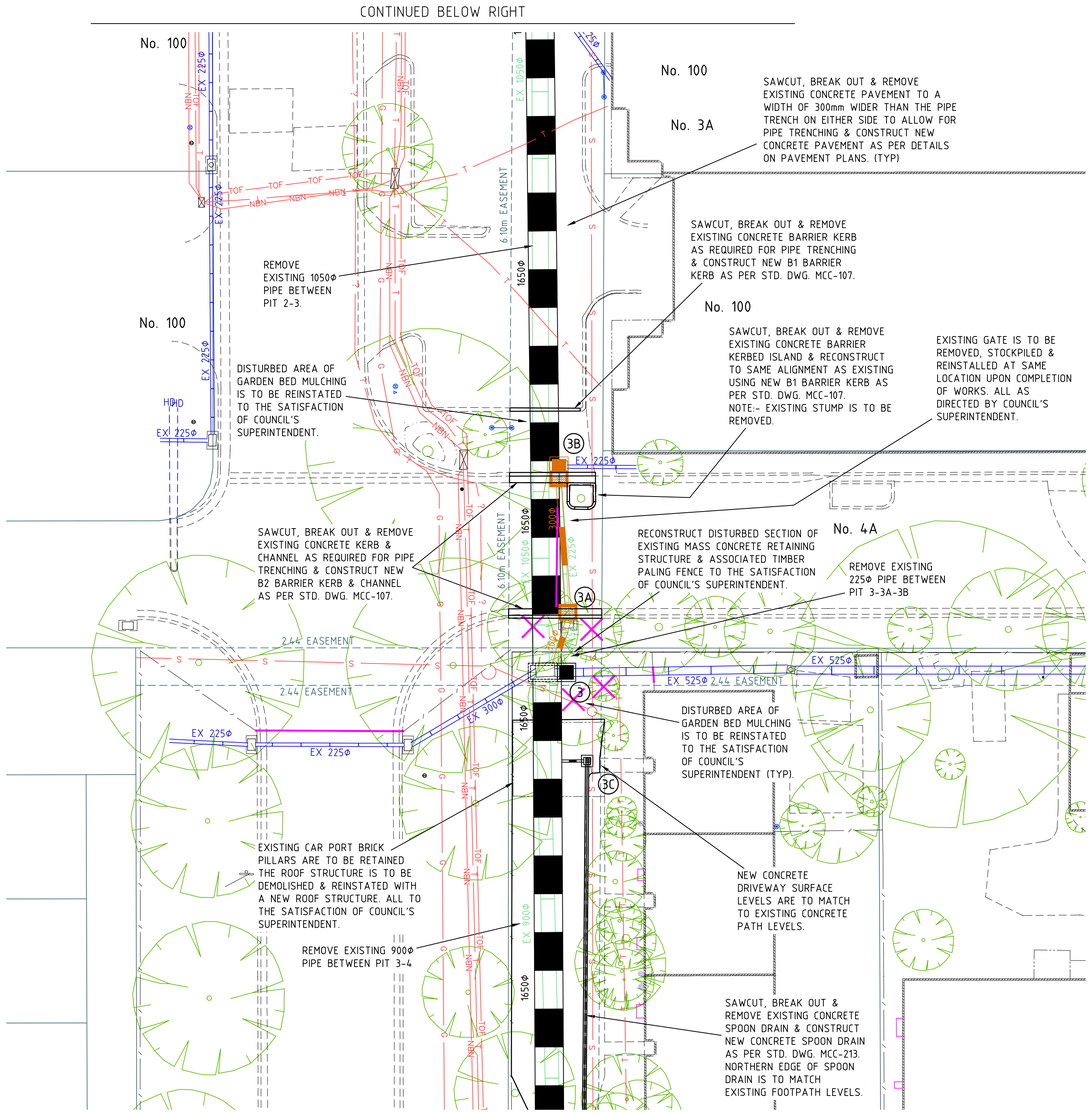

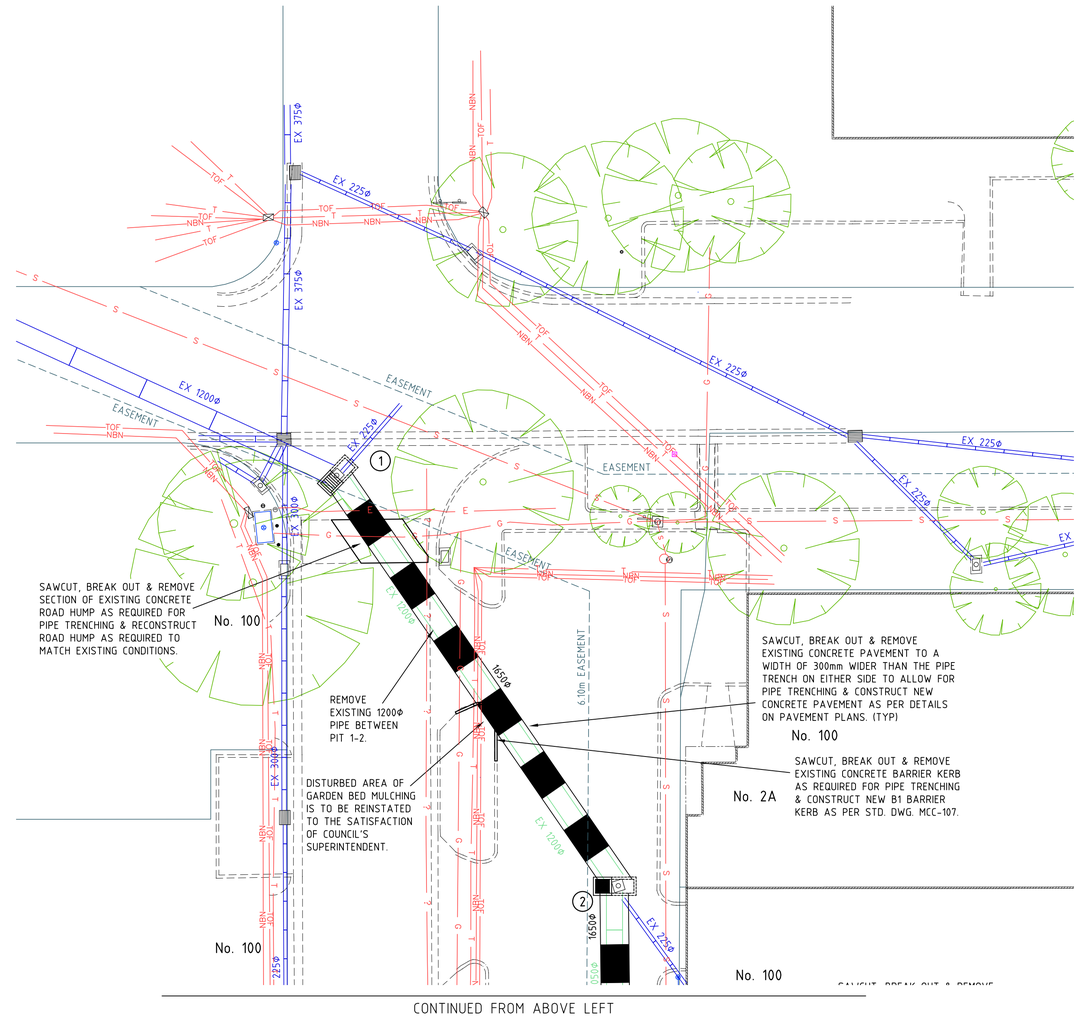

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ROAD REHABILITATION & DRAINAGE UPGRADES
DETAIL PLAN

CRE REF: 2375-(REV-P14).DWG	
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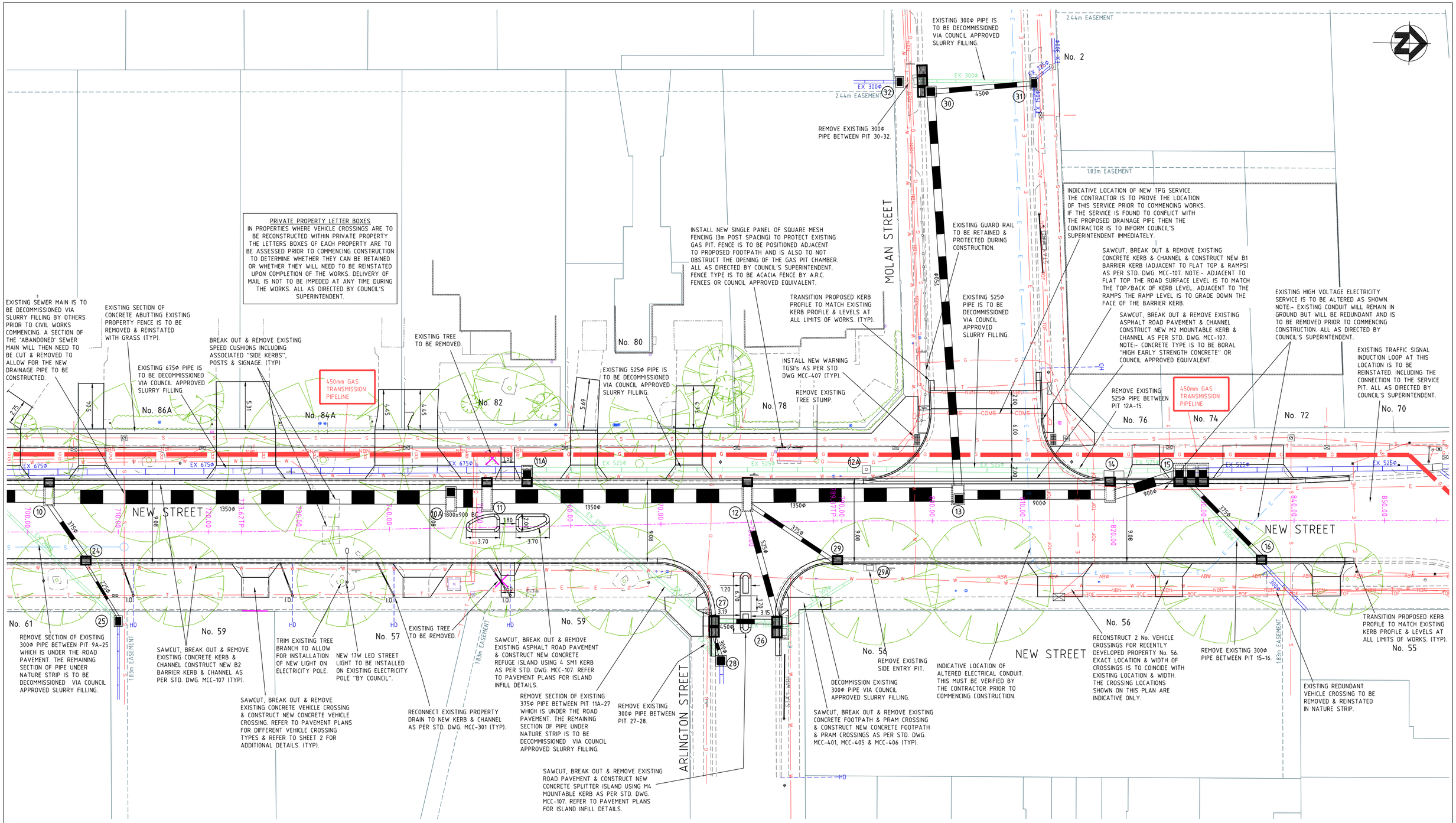
AMEND. NO.: A	
DWG.NO. 2375	
SHEET: 8 OF 122	SIZE: A1



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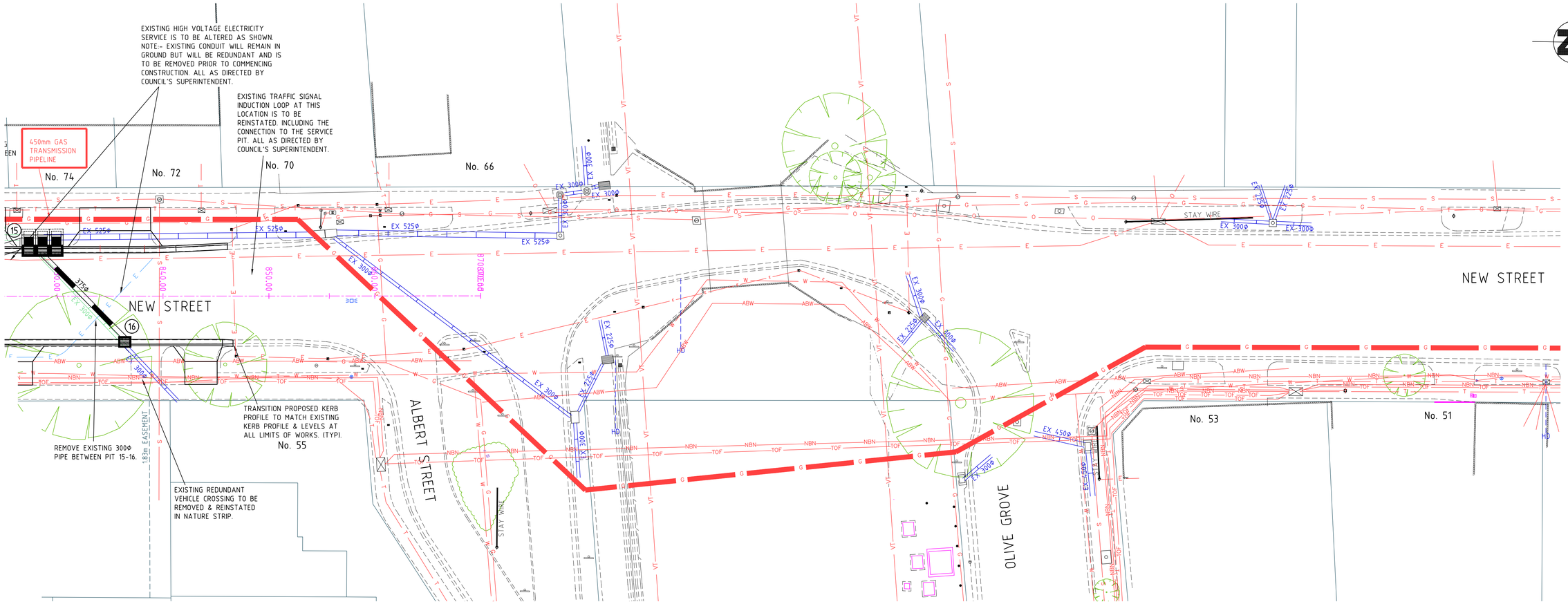
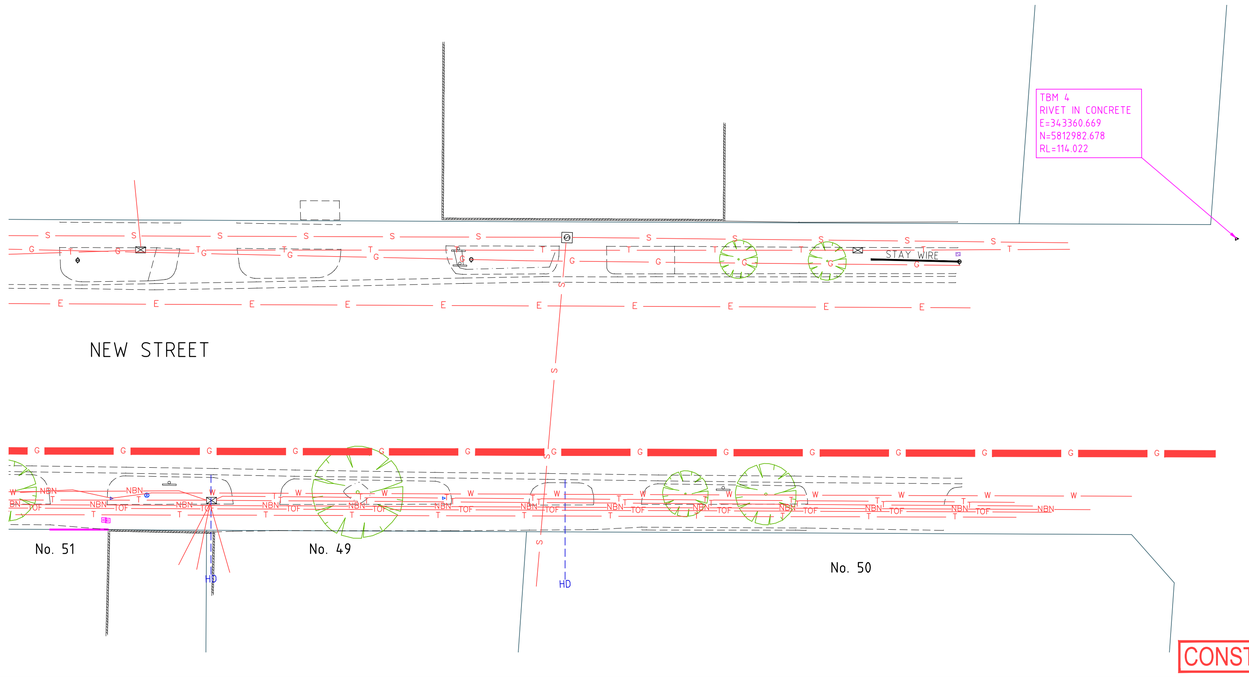
SHEET: 9 OF 122	SIZE: A1





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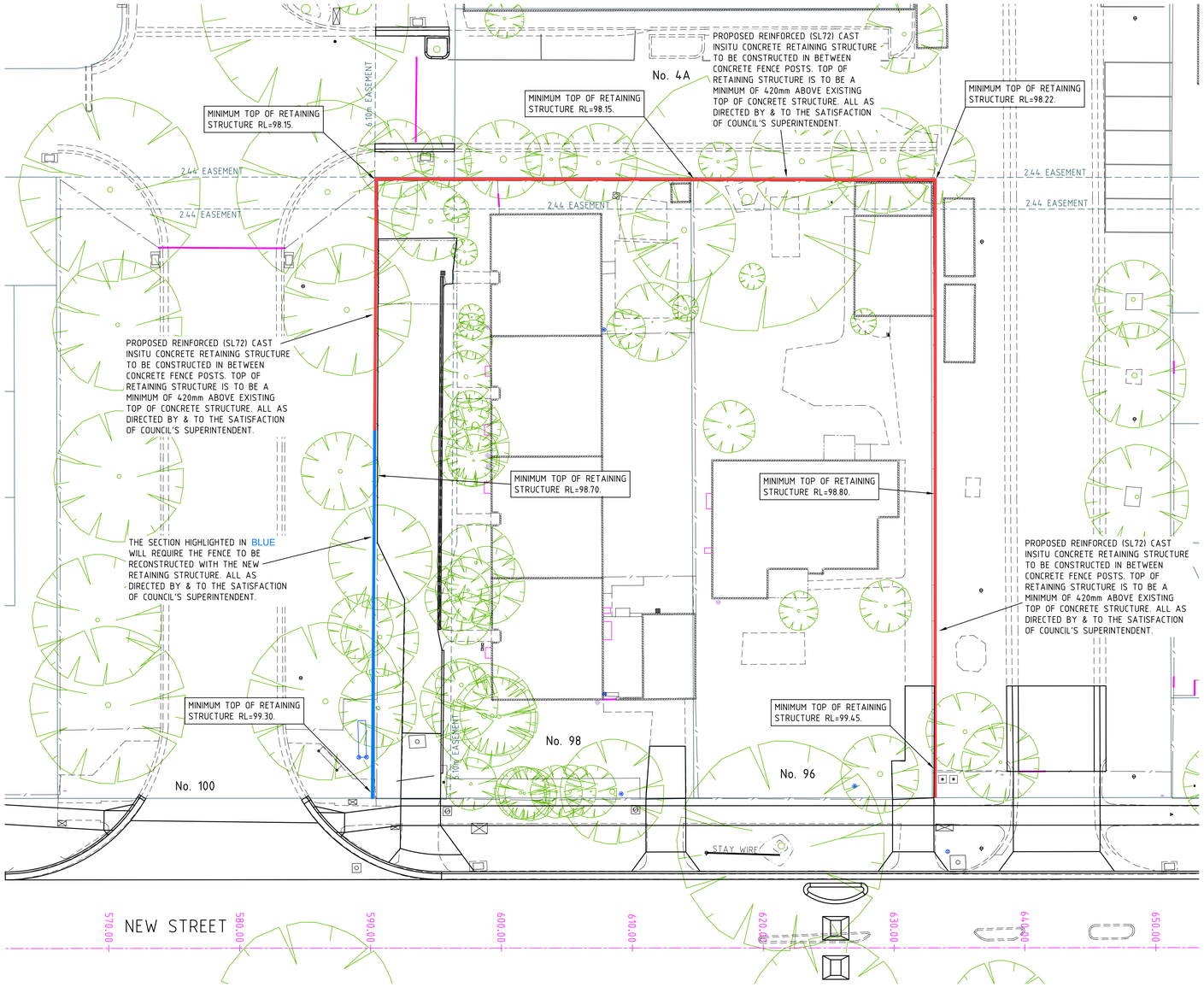

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RETAINING STRUCTURE DETAIL PLAN

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