CLARICE ST ROAD REHABILITATION AND RESURFAING

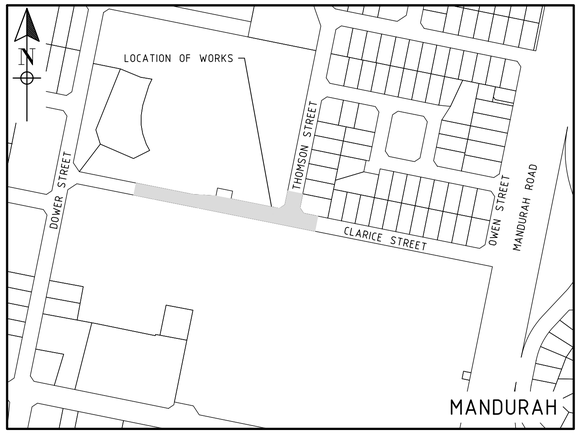
CITY OF MANDURAH (212)
BUNBURY REGION

PROJECT ACCOUNT NO. 100973

MRWA ROAD NUMBERS

CLARICE ST - 8
THOMPSON ST - 329

DRAWING INDEX



LOCATION PLAN

N.T.S

AERIAL PLAN

N.T.S

NO.	REVISION	APPR	DATE	NO.	REVISION	APPR	DATE
0	ISSUED FOR CONSTRUCTION		06 2025				
0	ISSUED FOR COSTING REVIEW		03 / 2025				
A	ISSUED FOR COMMENT AND COSTING		12 / 2024				

AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

U:\WS23-24\B - ROAD REHABILITATION\CLARICE ST\SHEET SETS\SS-TITLE-2820.DWG

CITY OF MANDURAH
3 Peel Street PO Box 210
Mandurah WA 6210
T (08) 9550 3777
F (08) 9550 3888

	BY	DATE
SURVEYED	COM	01/10/2024
DRAWN	C.Z	04/03/2025
DESIGNED/CHECK	R.C	04/03/2025
DESIGN ENGINEER/VERIFIED	M.S	12/06/2025
APPROVED	D.B	27/06/2025
PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

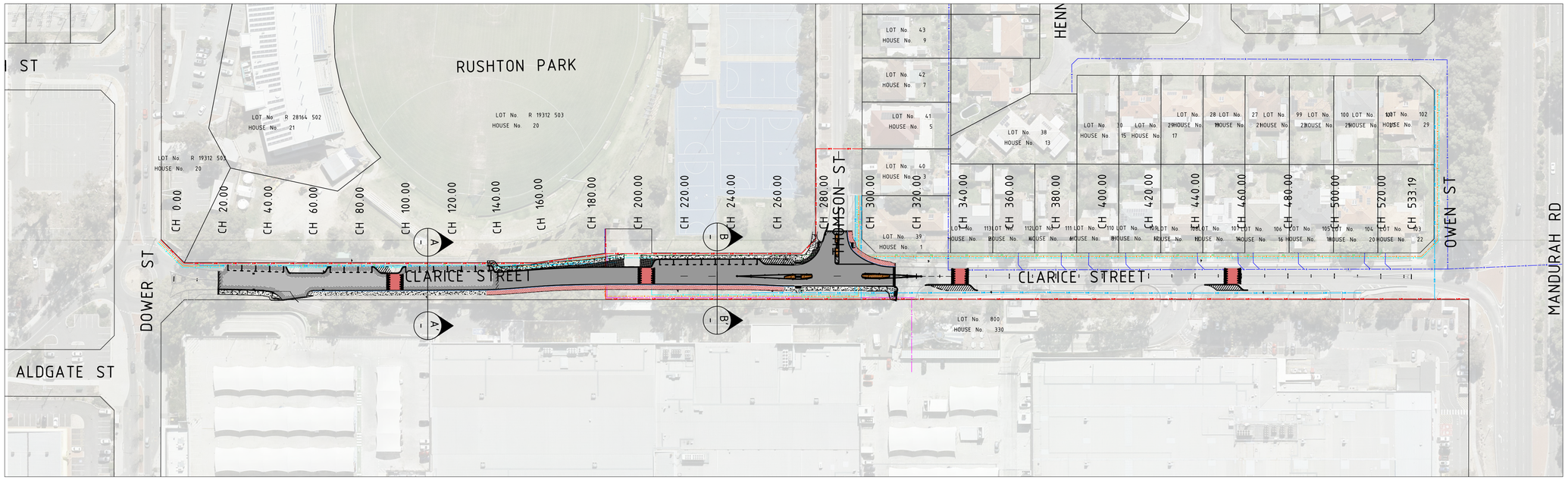
CLARICE STREET, MANDURAH

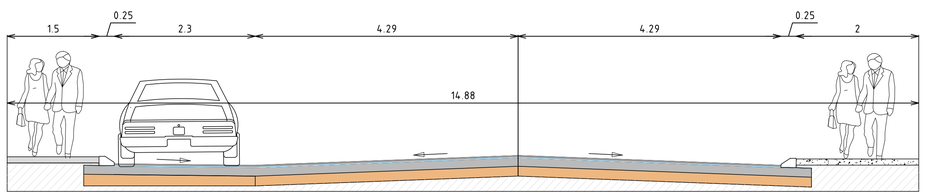
ROAD REHABILITATION AND RESURFACING.

TITLE

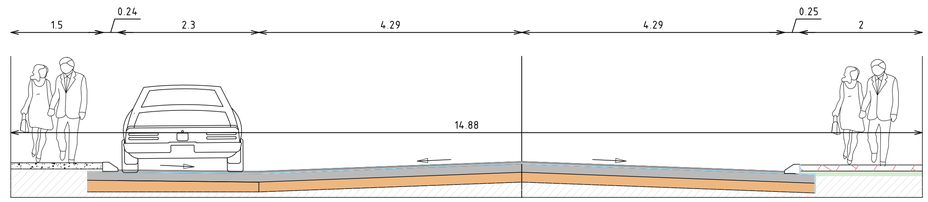
SHEET 01 OF 13

A1 | DWG NO. TIT 2820 01 | REVISION 0





SECTION A-A'
SCALE: 1:50



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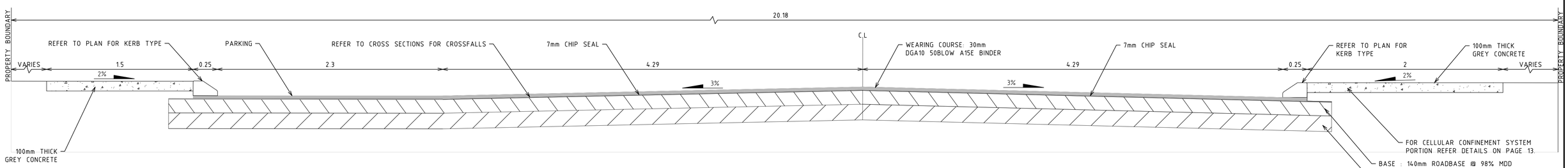

CLARICE ST TYPICAL SECTION

SCALE 1:20

0 0.2 0.4 0.6 0.8 1.0 1.2m
SCALE 1:20 AT A1 SIZE

NO.	REVISION	APPR	DATE	NO.	REVISION	APPR	DATE
0	ISSUED FOR CONSTRUCTION		06 2025				
0	ISSUED FOR COSTING REVIEW		03 / 2025				
A	ISSUED FOR COMMENT AND COSTING		12 / 2024				

AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

U:\WS23-24\B - ROAD REHABILITATION\CLARICE ST\SHEET SETS\SS-OVERVIEW-2820.DWG

CITY OF MANDURAH

3 Peel Street PO Box 210
Mandurah WA 6210
T (08) 9550 3777
F (08) 9550 3888

	BY	DATE
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DESIGN ENGINEER/VERIFIED	M.S	12/06/2025
APPROVED	D.B	27/06/2025
PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

CLARICE STREET, MANDURAH

ROAD REHABILITATION AND RESURFACING.

OVERVIEW

SHEET 02 OF 13

A1 | DWG NO. OVR 2820 02 | REVISION 0

NOTES:

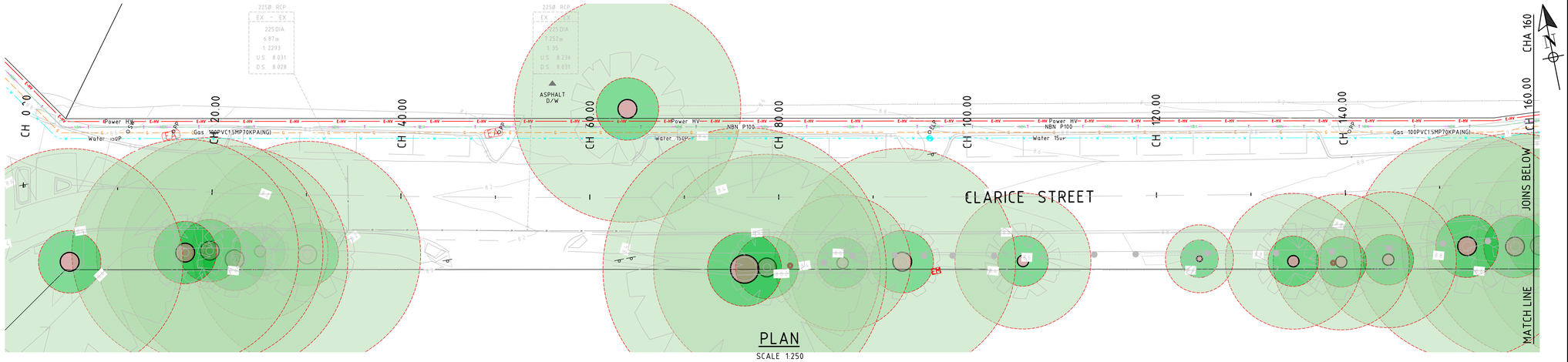
1. SERVICES LOCATIONS & DEPTHS ARE INDICATIVE ONLY. THE SITE AND SURROUNDINGS ARE TO BE INSPECTED AND ALL SERVICES PUBLIC AND PRIVATE , ABOVE AND BELOW GROUND ARE TO BE IDENTIFIED PRIOR TO COMMENCEMENT OF WORKS.
2. ALL REINSTATEMENT MATERIALS TO BE OF THE SAME TYPE PRIOR TO COMMENCEMENT OF WORKS
3. REFER TO COM STANDARDS BELOW FOR DRAINAGE ACTIVITIES
   - TRENCHES TO BE BACKFILLED TO STD DR06.
   - MANHOLE CONSTRUCTION TO STD DR01.
   - GULLY CONSTRUCTION TO STD DR04.
   - STORMTECH INFILL STONE TO STD DR23

LEGEND:

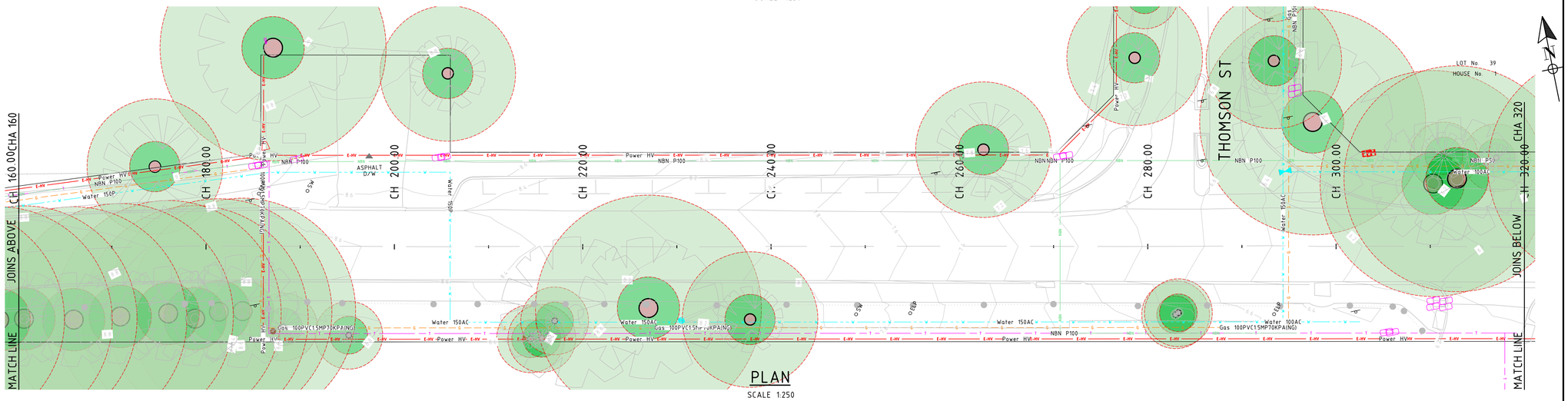
- EXISTING KERB
- EXISTING FOOTPATH
- EXISTING CONTOURS
- ELECTRIC LIGHT POLE\POWER POLE\LIGHT POLE\STAY POLE
- CROSSOVER INDICATOR
- EXISTING SIGN
- EXISTING LINEMARKING
- NEW MANHOLE/ GULLY PIT/ SEP/ COMBINATION GULLY/ GULLY TANK/STORM TECH
- EXISTING TREE
- EXISTING PINE BOLLARDS

SERVICES:

- COMMUNICATION CABLE
- DATA PILOT CABLE
- DRAINAGE
- ELECTRICITY - HIGH VOLTAGE
- ELECTRICITY - LOW VOLTAGE
- ELECTRICITY - OVERHEAD POWER
- GAS
- GAS - HIGH PRESSURE
- NBN
- LBNCo
- RETIC
- SEWERAGE
- SEWERAGE - PRESSURE MAIN
- TELSTRA
- TELSTRA - OPTIC FIBRE
- WATER
- WATER - MAIN



PLAN
SCALE 1:250



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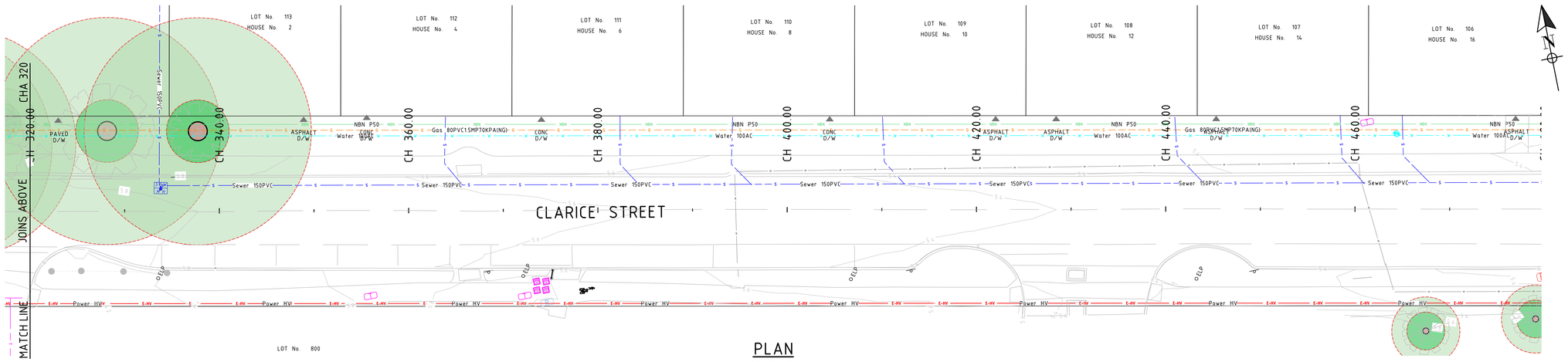

PLAN
SCALE 1:250

0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

NO.	REVISION	APPR	DATE	NO.	REVISION	APPR	DATE
0	ISSUED FOR CONSTRUCTION		06 2025				
0	ISSUED FOR COSTING REVIEW		03 / 2025				
A	ISSUED FOR COMMENT AND COSTING		12 / 2024				

AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

U:\WS23-24\B - ROAD REHABILITATION\CLARICE ST\SHEET SETS\SS-EXISTNG SURVEY-2820.DWG

CITY OF MANDURAH
3 Peel Street PO Box 210
Mandurah WA 6210
T (08) 9550 3777
F (08) 9550 3888

	BY	DATE
SURVEYED	COM	01/10/2024
DRAWN	C.Z	04/03/2025
DESIGNED/CHECK	R.C	04/03/2025
DESIGN ENGINEER/VERIFIED	M.S	12/06/2025
APPROVED	D.B	27/06/2025
PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

CLARICE STREET, MANDURAH
ROAD REHABILITATION AND RESURFACING.
EXISTING SURVEY
SHEET 03 OF 13

A1 | DWG NO. EXS 2820 03 | REVISION 0

NOTES:

1. SERVICES LOCATIONS & DEPTHS ARE INDICATIVE ONLY. THE SITE AND SURROUNDINGS ARE TO BE INSPECTED AND ALL SERVICES PUBLIC AND PRIVATE , ABOVE AND BELOW GROUND ARE TO BE IDENTIFIED PRIOR TO COMMENCEMENT OF WORKS.
2. ALL REINSTATEMENT MATERIALS TO BE OF THE SAME TYPE PRIOR TO COMMENCEMENT OF WORKS

CAUTION

ALL SERVICES MUST POTHOLE AND LOCATE PRIOR TO THE COMMENCEMENT OF WORK.

- EXISTING KERB REMAIN/REMOVE
- EXISTING FOOTPATH REMAIN/REMOVE
- EXISTING TREE
- ELECTRIC LIGHT POLE\POWER POLE\LIGHT POLE\STAY POLE
- CROSSOVER INDICATOR
- CLEAR SCRUB AND REMOVE EXISTING FOOTHPATH
- REMOVE EXISTING MATERIAL TO DEPTH OF 337mm
- 2m EDGE PROFILING
- EXTENT OF WORKS
- TPZ FOR EXISTING TREES
- NATURAL EARTH/LANDSCAPE AREA TO REMAIN
- REMOVE EXISTING CAR PARK

SERVICES:

- COMMUNICATION CABLE
- DATA PILOT CABLE
- DRAINAGE
- ELECTRICITY - HIGH VOLTAGE
- ELECTRICITY - LOW VOLTAGE
- ELECTRICITY - OVERHEAD POWER
- GAS
- GAS - HIGH PRESSURE
- NBN
- LBNCo
- RETIC
- SEWERAGE
- SEWERAGE - PRESSURE MAIN
- TELSTRA
- TELSTRA - OPTIC FIBRE
- WATER
- WATER - MAIN

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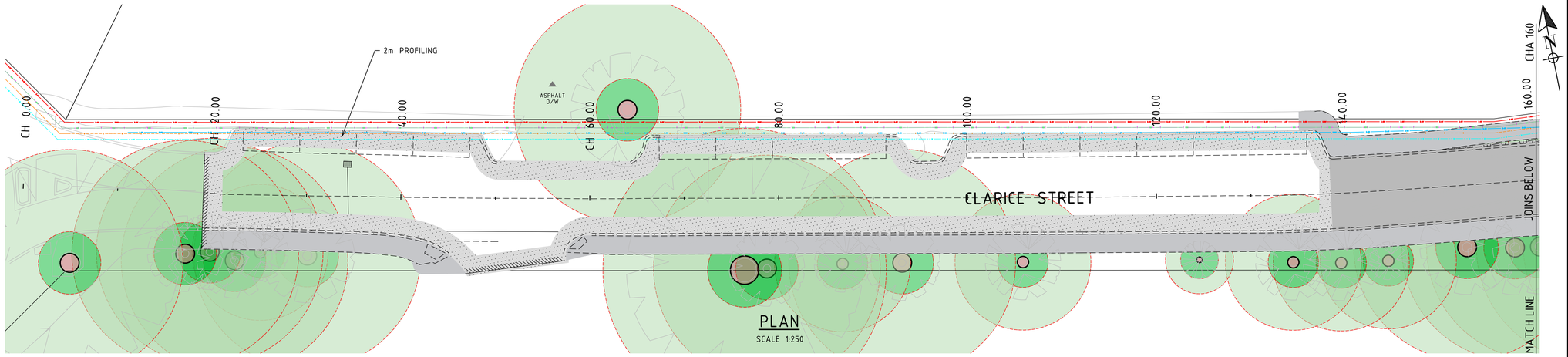

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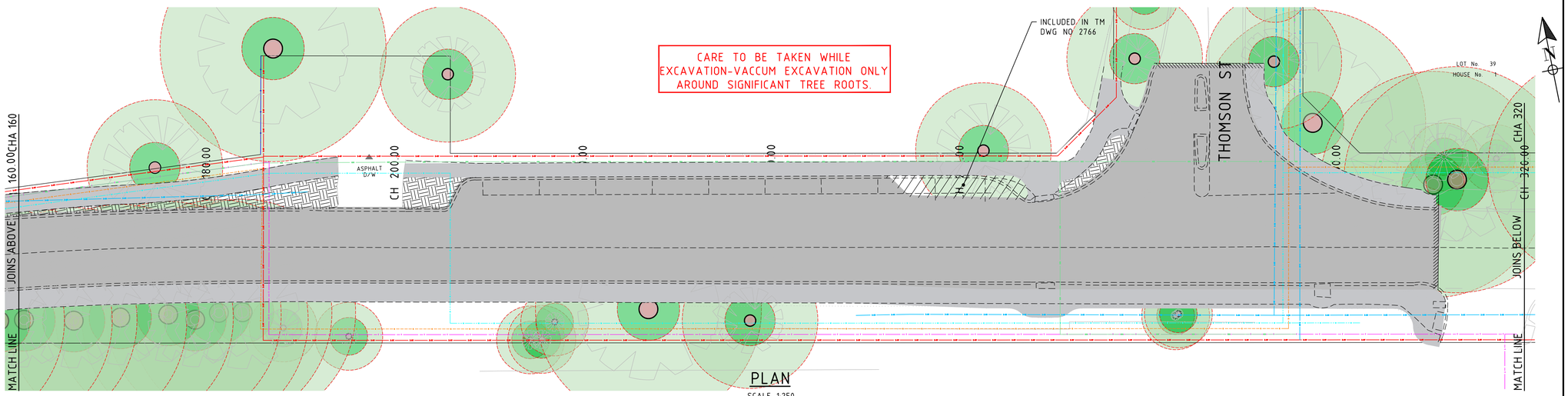
SCALE 1:250



PLAN
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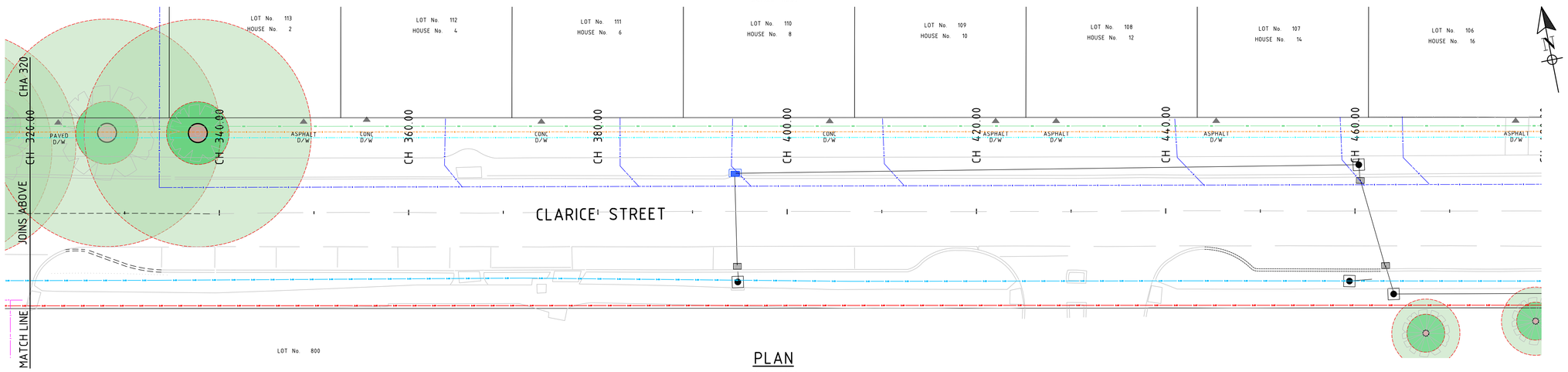


PLAN
SCALE 1:250

0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

NO.	REVISION	APPR	DATE	NO.	REVISION	APPR	DATE
0	ISSUED FOR CONSTRUCTION		06 2025				
0	ISSUED FOR COSTING REVIEW		03 / 2025				
A	ISSUED FOR COMMENT AND COSTING		12 / 2024				

AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

U:\WS23-24\B - ROAD REHABILITATION\CLARICE ST\SHEET SETS\SS-EXCAVATION-2820.DWG

CITY OF MANDURAH
3 Peel Street PO Box 210
Mandurah WA 6210
T (08) 9550 3777
F (08) 9550 3888

	BY	DATE
SURVEYED	COM	01/10/2024
DRAWN	C.Z	04/03/2025
DESIGNED/CHECK	R.C	04/03/2025
DESIGN ENGINEER/VERIFIED	M.S	12/06/2025
APPROVED	D.B	27/06/2025
PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

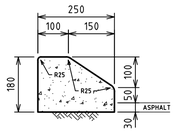
CLARICE STREET, MANDURAH
ROAD REHABILITATION AND RESURFACING.
EXCAVATION PLAN
SHEET 04 OF 13

A1 | DWG NO EXC 2820 04 | REVISION 0

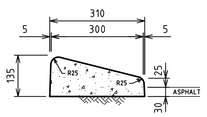
NOTES:

1. SERVICES LOCATIONS & DEPTHS ARE INDICATIVE ONLY. THE SITE AND SURROUNDINGS ARE TO BE INSPECTED AND ALL SERVICES PUBLIC AND PRIVATE , ABOVE AND BELOW GROUND ARE TO BE IDENTIFIED PRIOR TO COMMENCEMENT OF WORKS.
2. ALL REINSTATEMENT MATERIALS TO BE OF THE SAME TYPE PRIOR TO COMMENCEMENT OF WORKS
3. REFER TO COM STANDARDS BELOW FOR DRAINAGE ACTIVITIES
   - TRENCHES TO BE BACKFILLED TO STD DR06.
   - MANHOLE CONSTRUCTION TO STD DR01.
   - GULLY CONSTRUCTION TO STD DR04.
   - STORMTECH INFILL STONE TO STD DR23

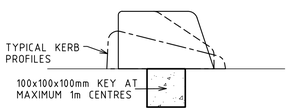
EXISTING KERB REMAIN/REMOVE
EXISTING FOOTPATH REMAIN/REMOVE
EXISTING TREE
ELECTRIC LIGHT POLE\POWER POLE\LIGHT POLE\STAY POLE
CROSSOVER INDICATOR
DESIGN CONTOURS
INSTALL 100mm FOOTPATH
NEW SEMI-MOUNTABLE KERBING
EXTENT OF WORKS
90mm PERMEABLE PAVING FOOTPATH
65mm RED BRICK PAVING LAID IN HERRINGBONE STYLE - FINISHED WITH PAVE-LOK JOINTING SAND IN ISLAND
REMOVE EXISTING CAR PARK



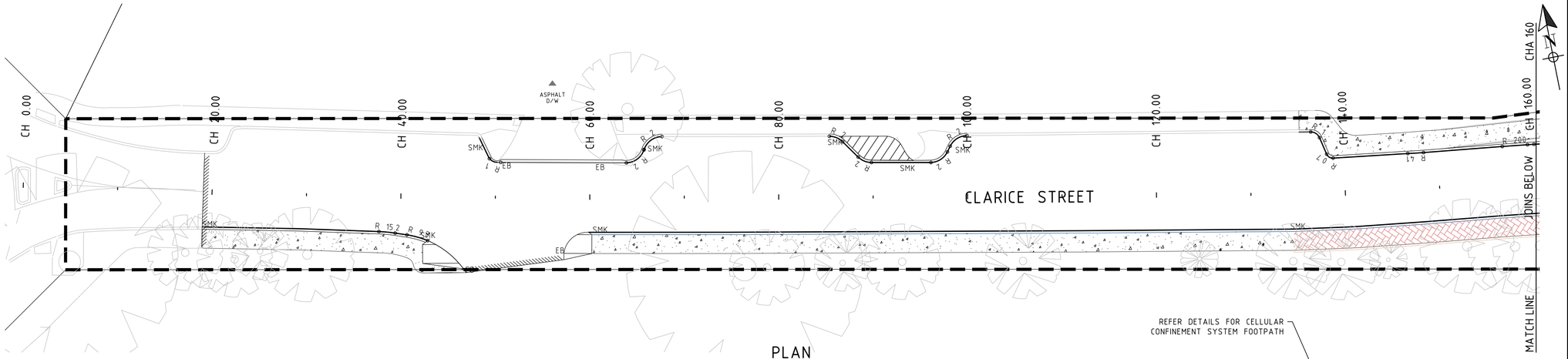
SEMI-MOUNTABLE KERB TYPE 2



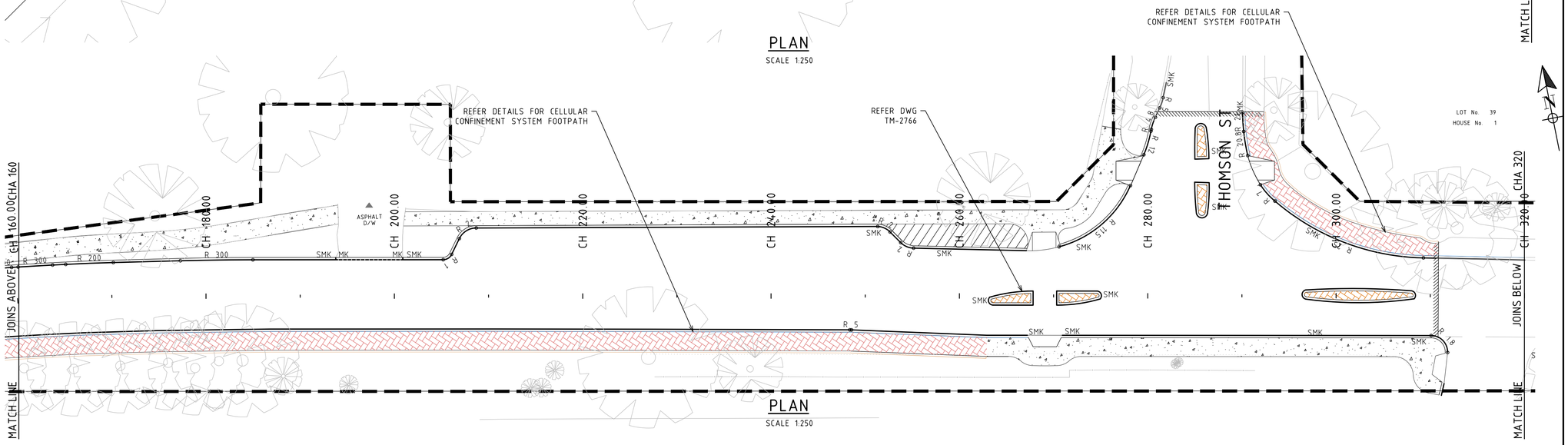
MOUNTABLE KERB TYPE 2



TYPICAL KERB KEYING



PLAN
SCALE 1:250



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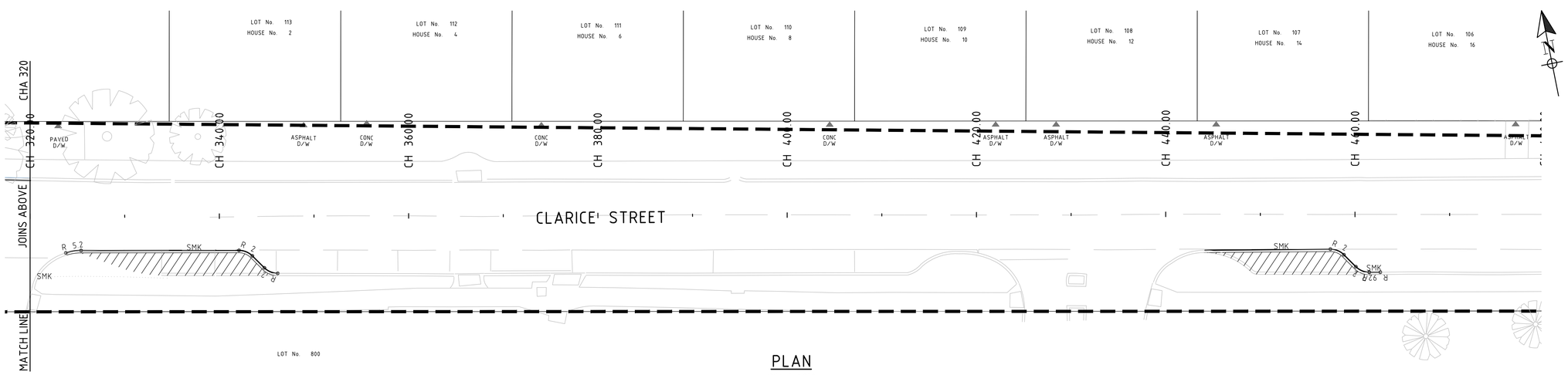

PLAN
SCALE 1:250

0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

NO.	REVISION	APPR	DATE	NO.	REVISION	APPR	DATE
0	ISSUED FOR CONSTRUCTION		06 2025				
0	ISSUED FOR COSTING REVIEW		03 / 2025				
A	ISSUED FOR COMMENT AND COSTING		12 / 2024				

AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

U:\WS23-26\B - ROAD REHABILITATION\CLARICE ST\SHEET SETS\SS-KERB & GRADING-2820.DWG

CITY OF MANDURAH
3 Peel Street PO Box 210
Mandurah WA 6210
T (08) 9550 3777
F (08) 9550 3888

	BY	DATE
SURVEYED	COM	01/10/2024
DRAWN	C.Z	04/03/2025
DESIGNED/CHECK	R.C	04/03/2025
DESIGN ENGINEER/VERIFIED	M.S	12/06/2025
APPROVED	D.B	27/06/2025
PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

CLARICE STREET, MANDURAH
ROAD REHABILITATION AND RESURFACING.
KERB & GRADING
SHEET 05 OF 13

A1 | DWG NO. KGB 2820 05 | REVISION 0

NOTES:

1. SERVICES LOCATIONS & DEPTHS ARE INDICATIVE ONLY. THE SITE AND SURROUNDINGS ARE TO BE INSPECTED AND ALL SERVICES PUBLIC AND PRIVATE , ABOVE AND BELOW GROUND ARE TO BE IDENTIFIED PRIOR TO COMMENCEMENT OF WORKS.
2. ALL REINSTATEMENT MATERIALS TO BE OF THE SAME TYPE PRIOR TO COMMENCEMENT OF WORKS
3. REFER TO COM STANDARDS BELOW FOR DRAINAGE ACTIVITIES
   - TRENCHES TO BE BACKFILLED TO STD DR06.
   - MANHOLE CONSTRUCTION TO STD DR01.
   - GULLY CONSTRUCTION TO STD DR04.
   - STORMTECH INFILL STONE TO STD DR23

EXISTING KERB REMAIN/REMOVE

EXISTING FOOTPATH REMAIN/REMOVE

EXISTING TREE

ELECTRIC LIGHT POLE\POWER POLE\LIGHT POLE\STAY POLE

CROSSOVER INDICATOR

SMK — NEW SEMI-MOUNTABLE KERBING

EXISTING SIGN

30mm BLACK ASPHALT — NEW PAVEMENT CONSTRUCTION
160mm SUB-BASE QUARRIED LIMESTONE @ 95% MDD
140mm ROAD BASE @ 98% MDD
7mm CHIP SEAL OF EMULSION OR C170 BITUMEN
30mm CRMB 10mm TO MRWA517 WEARING COURSE.

65mm RED BRICK PAVING
LAID IN HERRINGBONE STYLE IN ISLAND

INSTALL 100mm FOOTPATH - REFER TO COM STANDARD DWG FP04 FOR CONCRETE SPECIFICATIONS.

NEW PAVEMENT TIE IN 30mm CRMB 10mm TO MRWA517.

EXTENT OF WORKS

30mm CRMB — PROFILE EXISTING ROAD SURFACE
APPLY COURSE 7mm CHIP SEAL OF EMULSION OR C170 BITUMEN
30mm CRMB 10mm TO MRWA517 WEARING COURSE.

30mm CRMB — APPLY COURSE 7mm CHIP SEAL OF EMULSION OR C170 BITUMEN
30mm CRMB 10mm TO MRWA517 WEARING COURSE.

5.80 — DESIGN CONTOURS

90mm PERMEABLE PAVING IN FOOTPATH

NATURAL EARTH/LANDSCAPE

REMOVE EXISTING CAR PARK AND LANDSCAPE

SERVICES:

- COMMUNICATION CABLE
- DATA PILOT CABLE
- DRAINAGE
- ELECTRICITY - HIGH VOLTAGE
- ELECTRICITY - LOW VOLTAGE
- ELECTRICITY - OVERHEAD POWER
- GAS
- GAS - HIGH PRESSURE
- NBN
- LBNCo
- RETIC
- SEWERAGE
- SEWERAGE - PRESSURE MAIN
- TELSTRA
- TELSTRA - OPTIC FIBRE
- WATER
- WATER - MAIN

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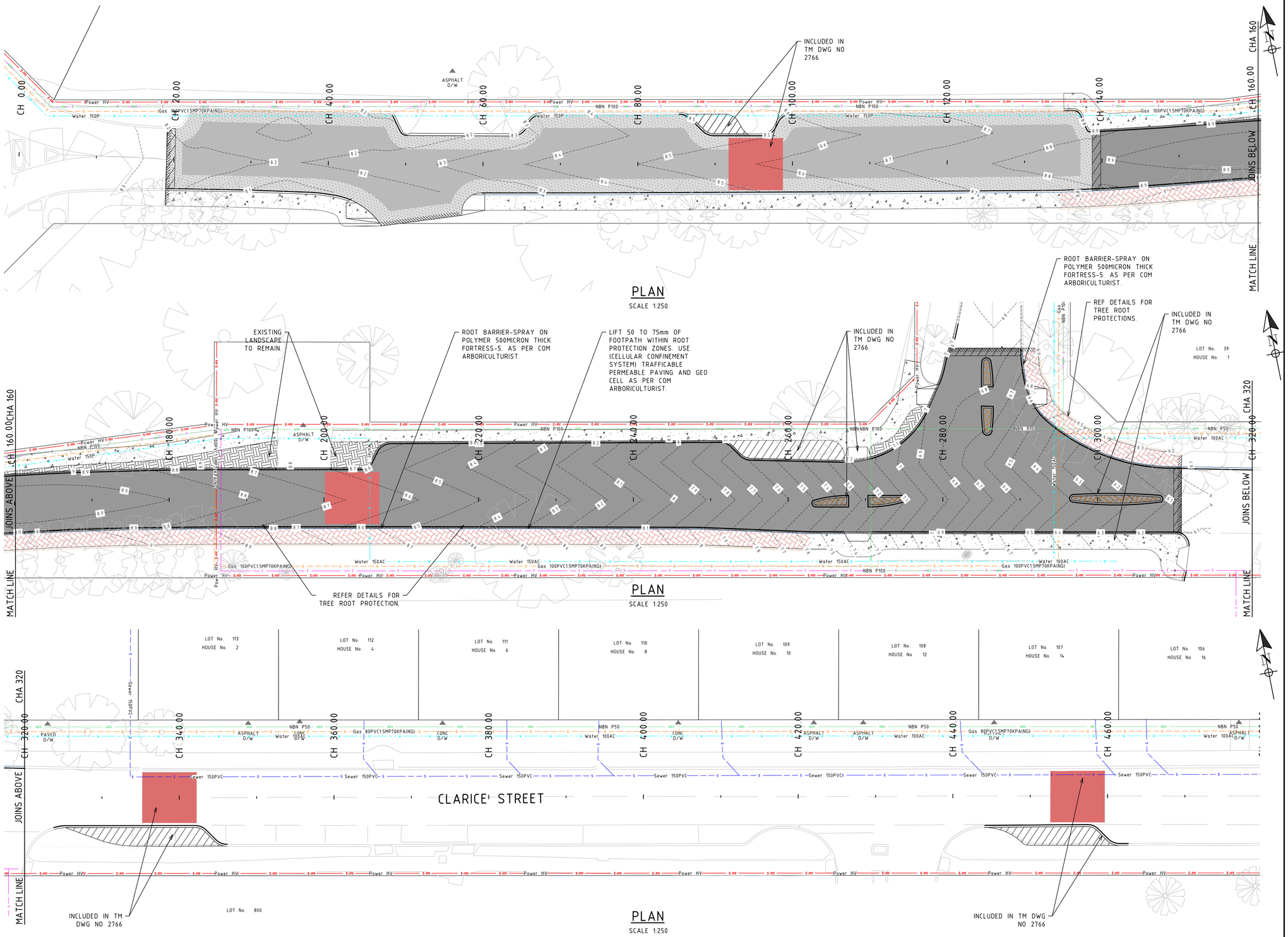

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A	ISSUED FOR COMMENT AND COSTING		12 / 2024				
NO.	REVISION	APPR	DATE	NO.	REVISION	APPR	DATE

AMENDMENTS

0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

U:\WS23-24\B - ROAD REHABILITATION\CLARICE ST\SHEET SETS\SS-PAVEMENT-2820.DWG

CITY OF MANDURAH
3 Peel Street PO Box 210
Mandurah WA 6210
T (08) 9550 3777
F (08) 9550 3888

	BY	DATE
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APPROVED	D.B	27/06/2025
PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

CLARICE STREET, MANDURAH

ROAD REHABILITATION AND RESURFACING.

PAVEMENT

SHEET 06 OF 13

A1 | DWG NO PVT 2820 06 | REVISION 0

NOTES:

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2. ALL REINSTATEMENT MATERIALS TO BE OF THE SAME TYPE PRIOR TO COMMENCEMENT OF WORKS
3. REFER TO COM STANDARDS BELOW FOR DRAINAGE ACTIVITIES
   - TRENCHES TO BE BACKFILLED TO STD DR06.
   - MANHOLE CONSTRUCTION TO STD DR01.
   - GULLY CONSTRUCTION TO STD DR04.
   - STORMTECH INFILL STONE TO STD DR23

REFER DWG NO TM-2766 FOR ALL TRAFFIC MANAGEMENT PLANS

LEGEND:

- EXISTING KERB REMAIN/REMOVE
- EXISTING FOOTPATH REMAIN/REMOVE
- EXISTING TREE
- ELECTRIC LIGHT POLE\POWER POLE\LIGHT POLE\STAY POLE (ELP, LP, PP, SP, SW)
- CROSSOVER INDICATOR
- EXISTING SIGN
- EXISTING CONTOURS (5.80)
- DESIGN CONTOURS (5.80)
- SMK — NEW SEMI-MOUNTABLE KERBING (TYPE 3)
- NEW MANHOLE/ GULLY PIT/ SEP/ COMBINATION GULLY/ GULLY TANK/STORM TECH
- 30mm BLACK ASPHALT — NEW PAVEMENT CONSTRUCTION 160mm SUB-BASE QUARRIED LIMESTONE @ 95% MDD 140mm ROAD BASE @ 98% MDD 7mm CHIP SEAL OF EMULSION OR C170 BITUMEN 30mm CRMB 10mm TO MRWA517 WEARING COURSE.
- 65mm RED BRICK PAVING LAID IN HERRINGBONE STYLE - FINISHED WITH PAVE-LOK JOINTING SAND IN ISLAND
- INSTALL 100mm FOOTPATH - REFER TO COM STANDARD DWG FP04 FOR CONCRETE SPECIFICATIONS.
- REMOVE PARKING AREA
- EXTENT OF WORKS
- 120mm NEW LINEMARKING FOR PARKING BAYS
- NEW PAVEMENT TIE IN
- PROFILE EXISTING ROAD SURFACE APPLY COURSE 7mm CHIP SEAL OF EMULSION OR C170 BITUMEN 30mm CRMB 10mm TO MRWA517 WEARING COURSE.
- TPZ FOR EXISTING TREES
- NATURAL EARTH/LANDSCAPE

SERVICES:

- CC — COMMUNICATION CABLE
- DPC — DATA PILOT CABLE
- DR — DRAINAGE
- E-HV — ELECTRICITY - HIGH VOLTAGE
- E-LV — ELECTRICITY - LOW VOLTAGE
- E-OH — ELECTRICITY - OVERHEAD POWER
- G — GAS
- G-HP — GAS - HIGH PRESSURE
- NBN — NBN
- LBN — LBNCo
- R — RETIC
- S — SEWERAGE
- S-PM — SEWERAGE - PRESSURE MAIN
- T — TELSTRA
- T-OF — TELSTRA - OPTIC FIBRE
- W — WATER
- WM — WATER - MAIN

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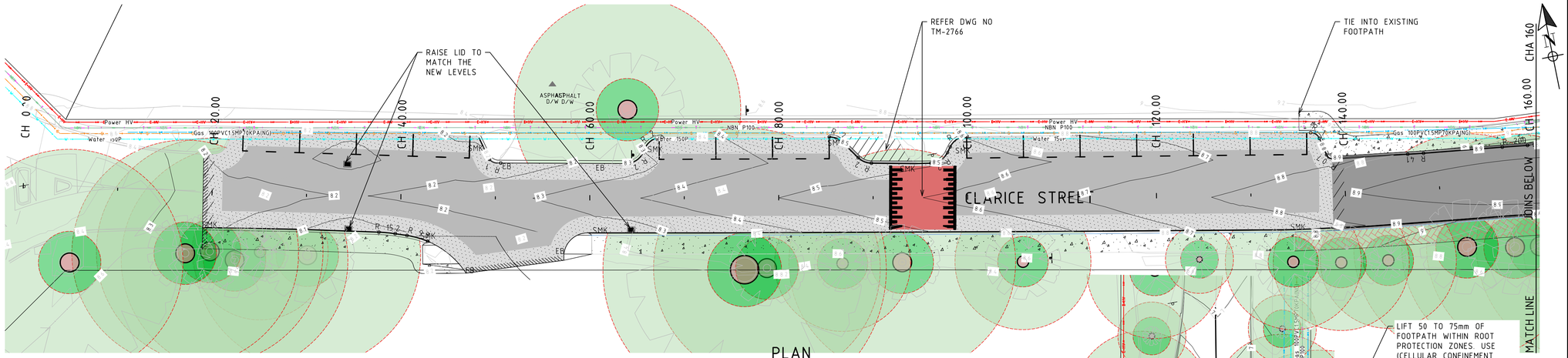
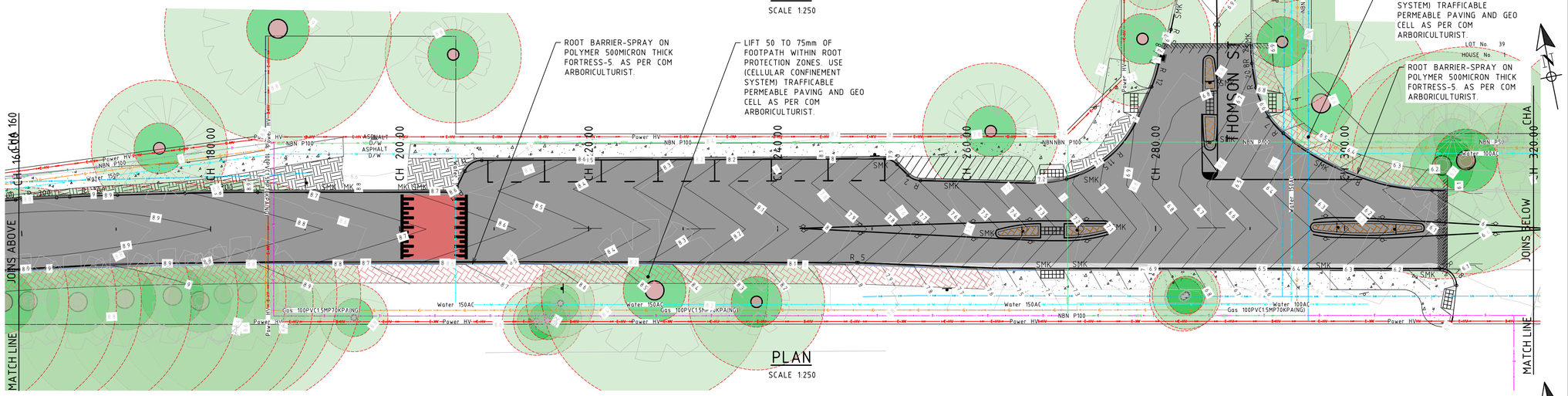
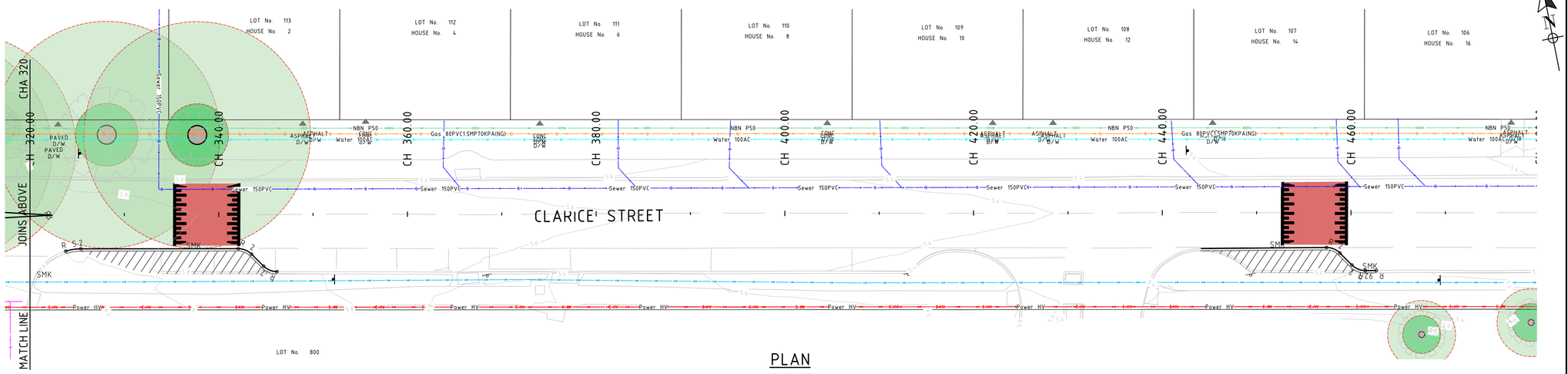


PLAN
SCALE 1:250



PLAN
SCALE 1:250



PLAN
SCALE 1:250

0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

NO.	REVISION	APPR	DATE	NO.	REVISION	APPR	DATE
0	ISSUED FOR CONSTRUCTION		06 2025				
0	ISSUED FOR COSTING REVIEW		03 / 2025				
A	ISSUED FOR COMMENT AND COSTING		12 / 2024				

AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

U:\WS23-24\B - ROAD REHABILITATION\CLARICE ST\SHEET SETS\SS-LAYOUT-2820.DWG

CITY OF MANDURAH
3 Peel Street PO Box 210
Mandurah WA 6210
T (08) 9550 3777
F (08) 9550 3888

	BY	DATE
SURVEYED	COM	01/10/2024
DRAWN	C.Z	04/03/2025
DESIGNED/CHECK	R.C	04/03/2025
DESIGN ENGINEER/VERIFIED	M.S	12/06/2025
APPROVED	D.B	27/06/2025
PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

CLARICE STREET, MANDURAH
ROAD REHABILITATION AND RESURFACING.
LAYOUT
SHEET 07 OF 13

A1 | DWG NO LAY 2820 07 | REVISION 0

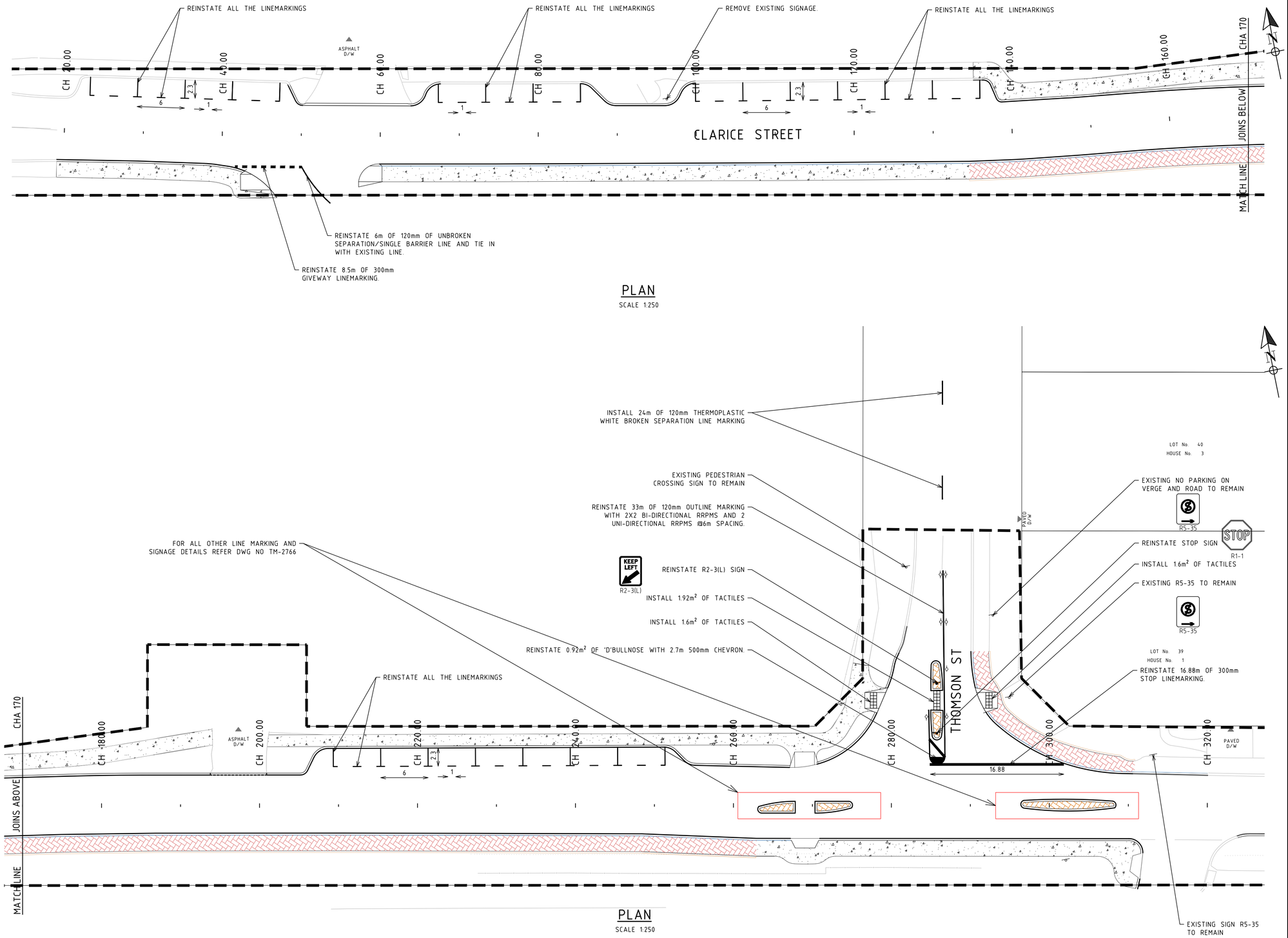
NOTES:

1. SERVICES LOCATIONS & DEPTHS ARE INDICATIVE ONLY. THE SITE AND SURROUNDINGS ARE TO BE INSPECTED AND ALL SERVICES PUBLIC AND PRIVATE , ABOVE AND BELOW GROUND ARE TO BE IDENTIFIED PRIOR TO COMMENCEMENT OF WORKS.
2. ALL REINSTATEMENT MATERIALS TO BE OF THE SAME TYPE PRIOR TO COMMENCEMENT OF WORKS

FOR ALL OTHER LINE MARKING AND SIGNAGE DETAILS REFER DWG NO TM-2766

LEGEND:

- ELECTRIC LIGHT POLE\POWER POLE\LIGHT POLE\STAY POLE
- CROSSOVER INDICATOR
- EXISTING SIGN
- NEW SIGN
- MK — NEW MOUNTABLE KERBING
- NEW FOOTPATH
- 120mm NEW PARKING BAY LINEMARKING
- BI-DIRECTIONAL RRPMs
- UNI-DIRECTIONAL RRPMs
- INSTALL TACTILES
- 600mm GIVE WAY LINE MARKING



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0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

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AMENDMENTS

METADATA

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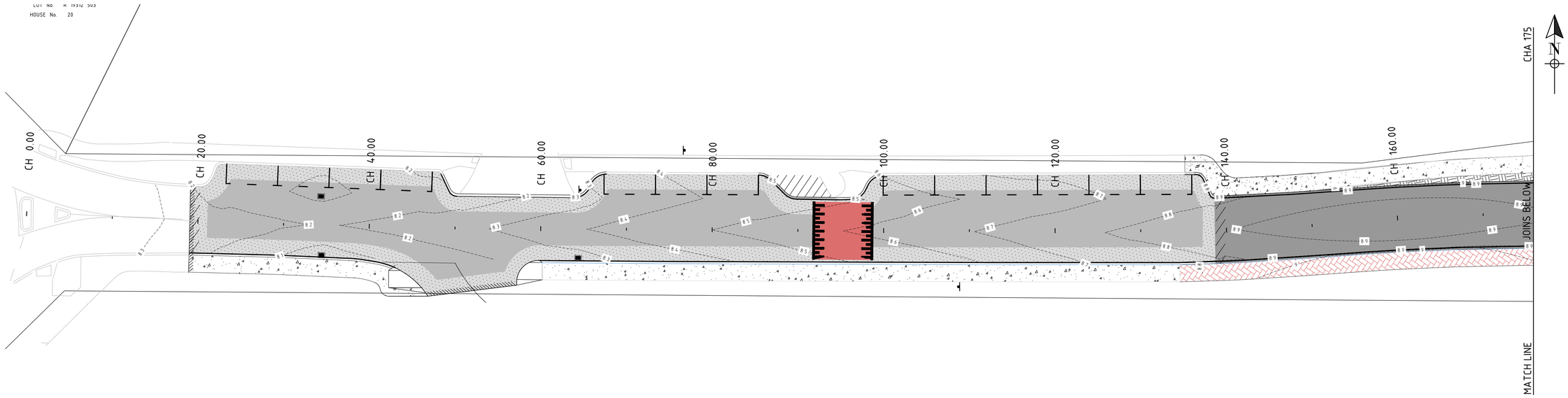
PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

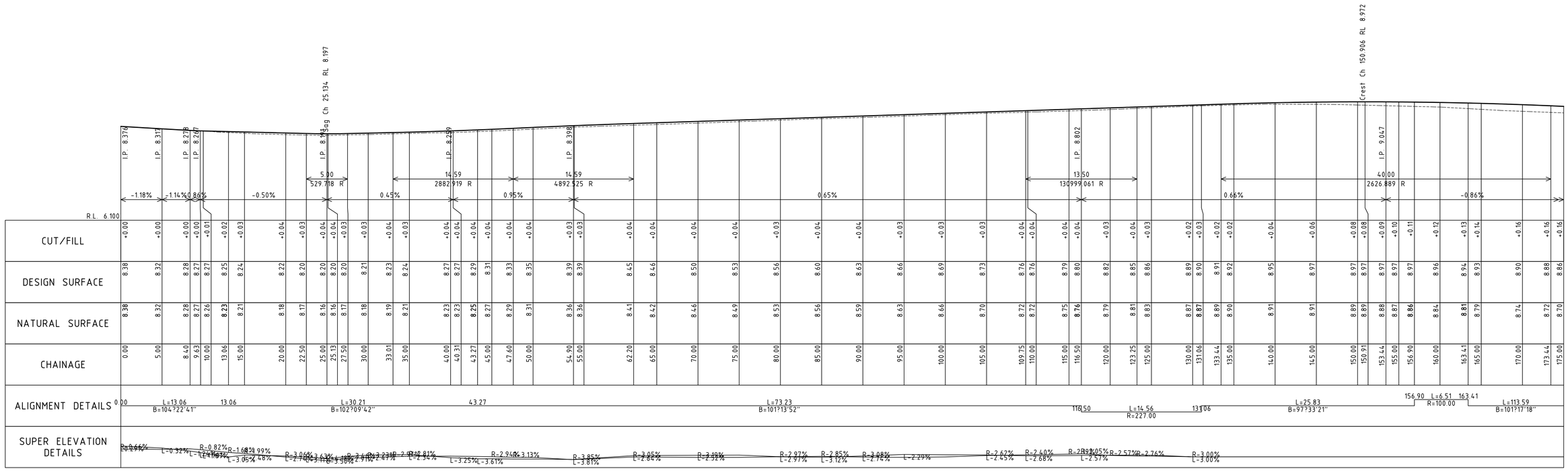
CLARICE STREET, MANDURAH
ROAD REHABILITATION AND RESURFACING.
LINEMARKING & SIGNAGE
SHEET 08 OF 13

A1 | DWG NO. LMK 2820 08 | REVISION 0



PLAN

SCALE 1:250



PROFILE
SCALE H:250V 1:50

0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

0 0.5 1.0 1.5 2.0 2.5 3.0m
SCALE 1:50 AT A1 SIZE

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A	ISSUED FOR COMMENT AND COSTING		12 / 2024				

AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

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PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

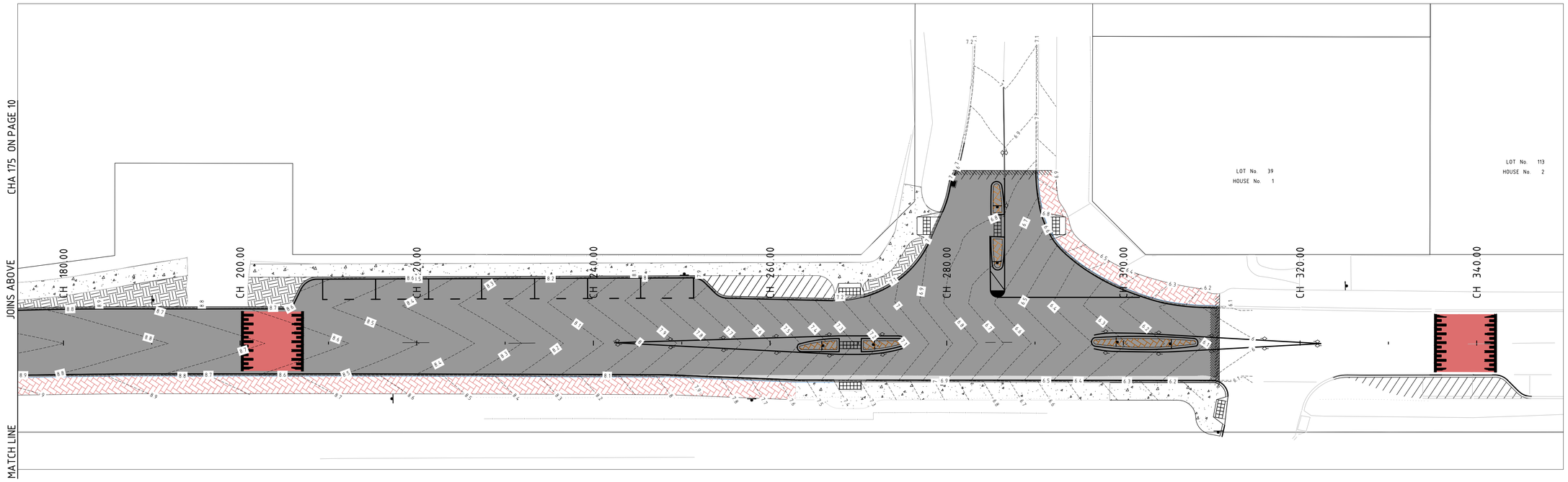
CLARICE STREET, MANDURAH

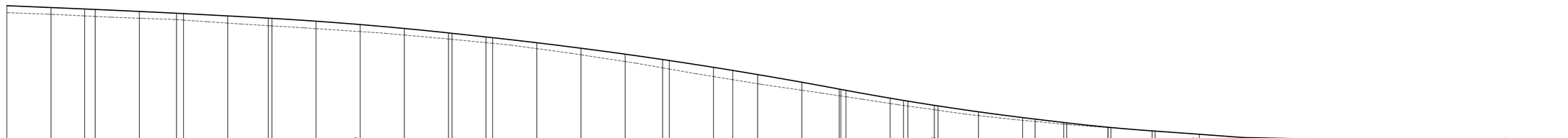
ROAD REHABILITATION AND RESURFACING.

LONG SECTION (01 OF 02)

SHEET 09 OF 13

A1 | DWG NO. LGS 2820 09 | REVISION 0





Chainage	Cut/Fill	Design Surface	Natural Surface
175.00	+0.16	8.86	8.70
180.00	+0.15	8.82	8.67
183.81	+0.16	8.79	8.63
185.00	+0.16	8.78	8.62
190.00	+0.15	8.73	8.58
194.21	+0.14	8.69	8.55
195.00	+0.15	8.68	8.53
200.00	+0.16	8.63	8.47
204.60	+0.17	8.58	8.41
205.00	+0.17	8.57	8.40
210.00	+0.17	8.51	8.34
215.00	+0.16	8.43	8.27
220.00	+0.14	8.34	8.20
225.00	+0.13	8.24	8.11
225.40	+0.13	8.23	8.10
229.24	+0.13	8.15	8.02
230.00	+0.12	8.13	8.01
235.00	+0.13	8.02	7.89
240.00	+0.15	7.90	7.75
245.00	+0.17	7.76	7.59
249.24	+0.19	7.64	7.45
250.00	+0.20	7.62	7.42
255.00	+0.21	7.46	7.25
257.18	+0.21	7.39	7.18
260.00	+0.21	7.30	7.09
265.00	+0.18	7.12	6.94
269.24	+0.15	6.97	6.82
269.42	+0.15	6.96	6.81
270.00	+0.15	6.94	6.79
275.00	+0.12	6.76	6.64
276.52	+0.11	6.71	6.60
277.00	+0.11	6.69	6.58
280.00	+0.10	6.60	6.50
280.42	+0.10	6.59	6.49
285.00	+0.08	6.45	6.37
290.00	+0.06	6.32	6.26
291.42	+0.06	6.29	6.23
294.66	+0.04	6.21	6.17
295.00	+0.03	6.20	6.17
299.66	+0.01	6.10	6.09
299.67	+0.01	6.10	6.09
300.00	+0.01	6.10	6.09
304.66	+0.00	6.02	6.02
305.00	+0.00	6.01	6.01
310.00	+0.00	5.94	5.94
315.00	+0.00	5.87	5.87
320.00	+0.00	5.85	5.85
325.00	+0.00	5.82	5.82
330.00	+0.00	5.79	5.79
335.00	+0.00	5.76	5.76
340.00	+0.00	5.73	5.73
345.00	+0.00	5.69	5.69
350.00	+0.00	5.67	5.67

PROFILE
SCALE H:250V 1:50

0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

0 0.5 1.0 1.5 2.0 2.5 3.0m
SCALE 1:50 AT A1 SIZE

NO.	REVISION	APPR	DATE	NO.	REVISION	APPR	DATE
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AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

U:\WS23-24\B - ROAD REHABILITATION\CLARICE ST\SHEET SETS\SS-LONGSECTIONS-2820.DWG

CITY OF MANDURAH
3 Peel Street PO Box 210
Mandurah WA 6210
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DESIGN ENGINEER/VERIFIED	M.S	12/06/2025
APPROVED	D.B	27/06/2025
PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

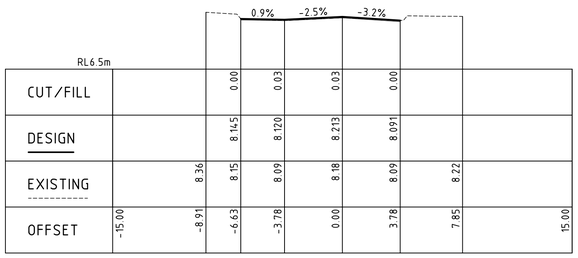
CLARICE STREET, MANDURAH

ROAD REHABILITATION AND RESURFACING.

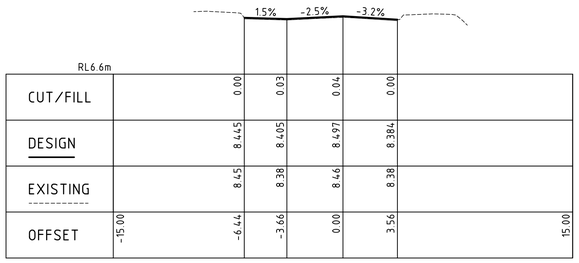
LONG SECTION (02 OF 02)

SHEET 10 OF 13

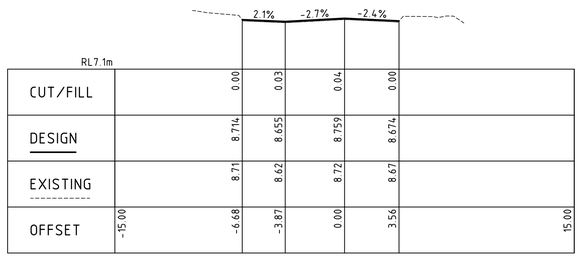
A1 | DWG NO. LGS 2820 10 | REVISION 0



CH 30.00



CH 70.00



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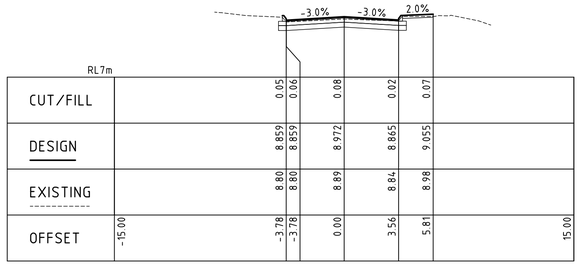

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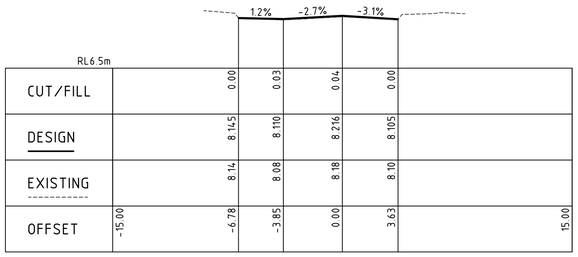
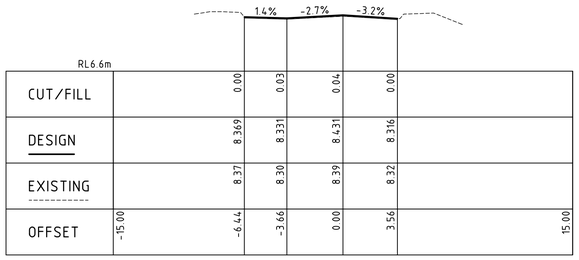


CH 20.00



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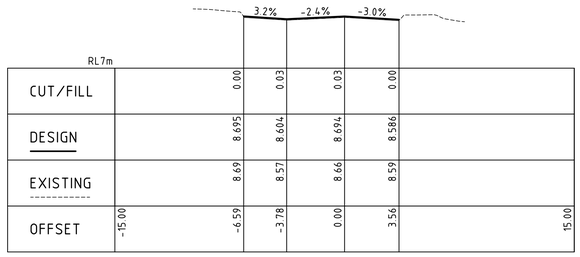
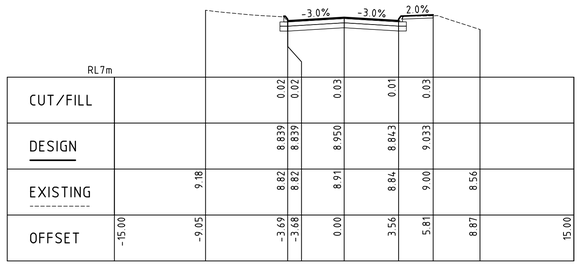


CH 100.00



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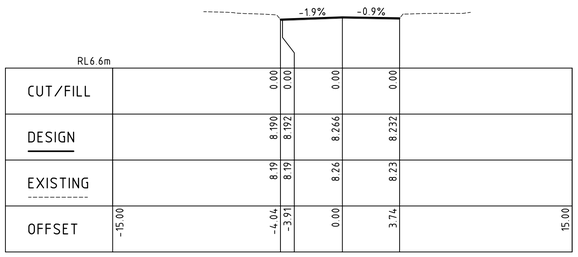

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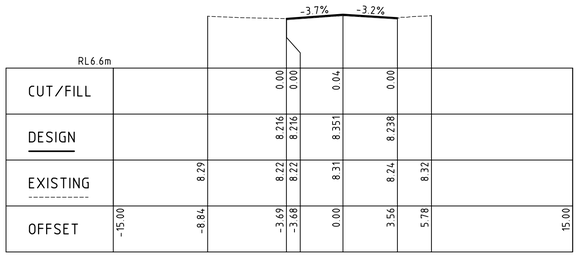

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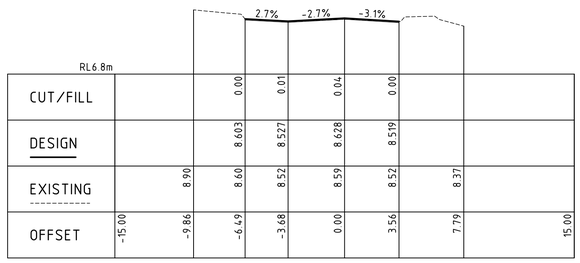
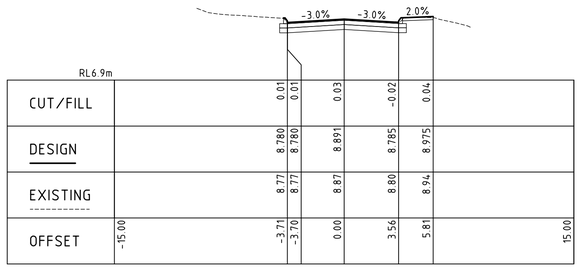
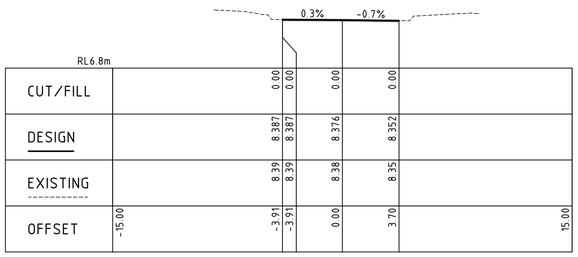


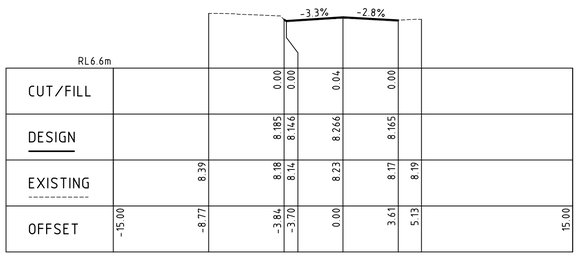
CH 90.00



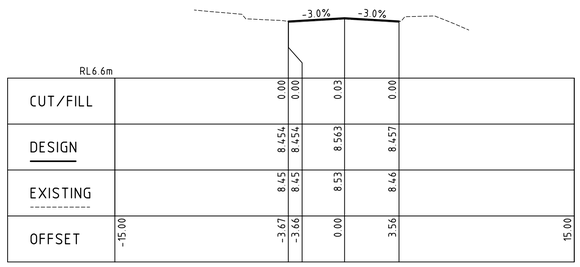
CH 130.00



CH 0.00



CH 40.00



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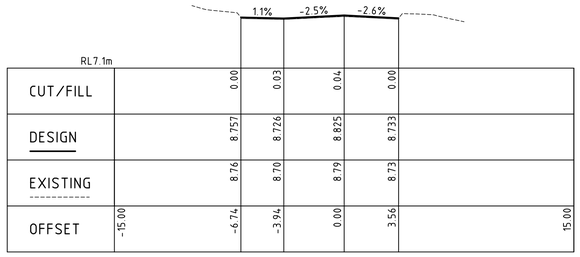

CH 120.00

SCALES: HORIZONTAL 1:250 VERTICAL 1:50

0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

0 0.5 1.0 1.5 2.0 2.5 3.0m
SCALE 1:50 AT A1 SIZE

NO.	REVISION	APPR	DATE	NO.	REVISION	APPR	DATE
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A	ISSUED FOR COMMENT AND COSTING		12 / 2024				

AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
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CLIENT	CITY OF MANDURAH	

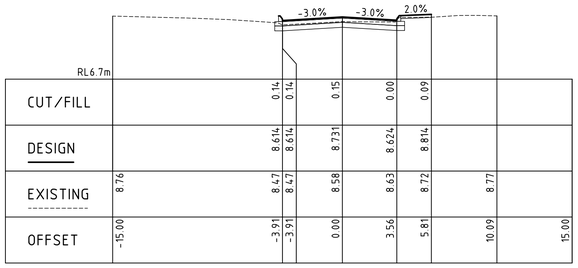
CLARICE STREET, MANDURAH

ROAD REHABILITATION AND RESURFACING.

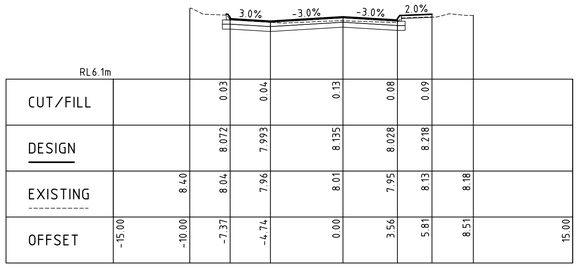
CROSS-SECTION(01 OF 02)

SHEET 11 OF 13

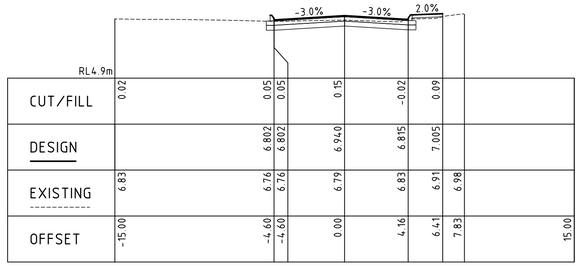
A1 | DWG NO. CRS 2820 11 | REVISION 0



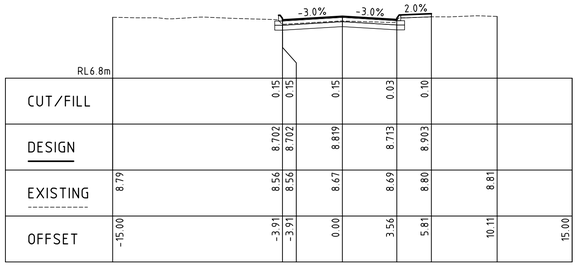
CH 190.00



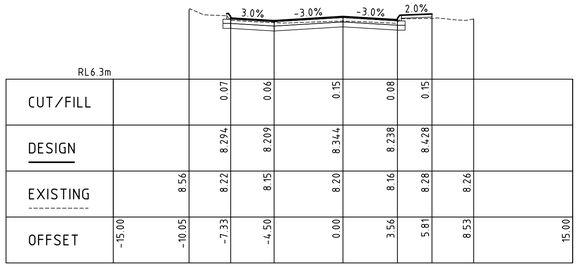
CH 230.00



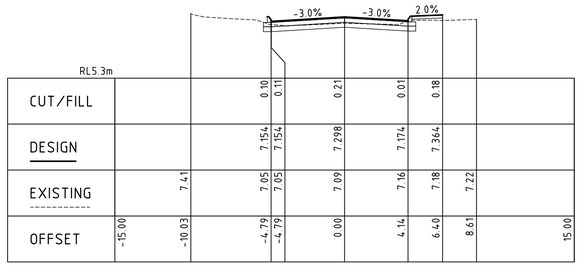
CH 270.00



CH 180.00



CH 220.00



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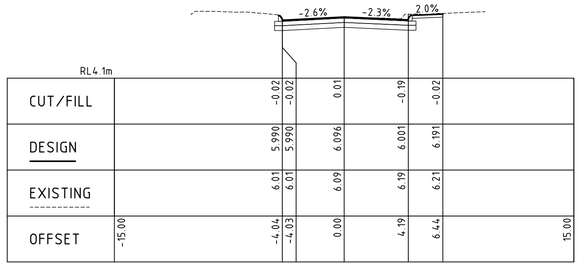
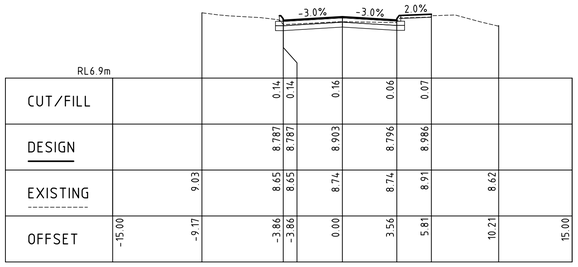


CH 300.00



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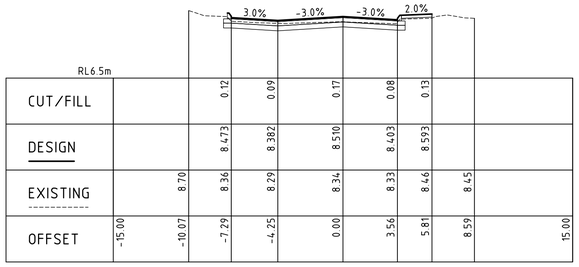
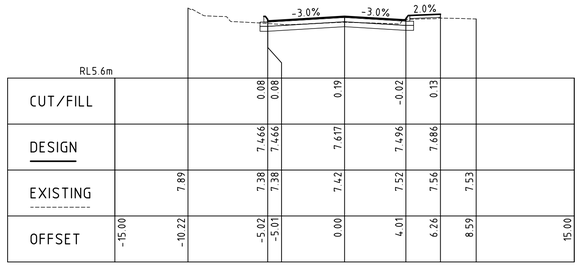
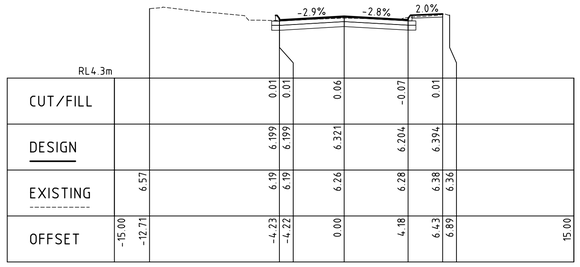


CH 210.00



CH 250.00



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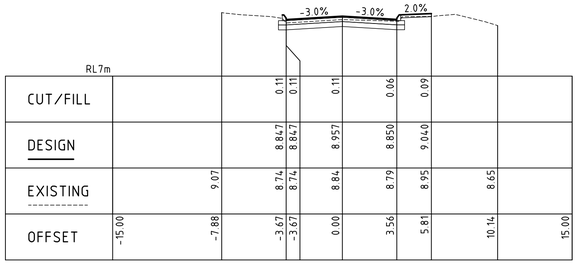

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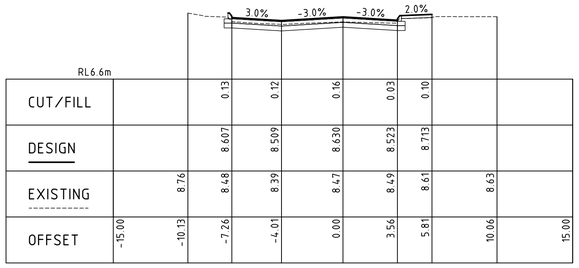

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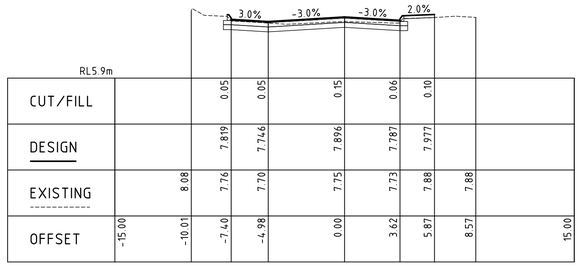

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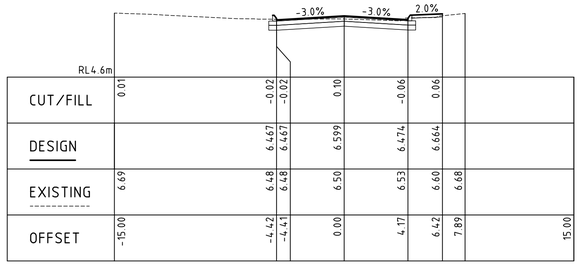


CH 280.00

SCALES: HORIZONTAL 1:250 VERTICAL 1:50

0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

0 0.5 1.0 1.5 2.0 2.5 3.0m
SCALE 1:50 AT A1 SIZE

NO.	REVISION	APPR	DATE	NO.	REVISION	APPR	DATE
0	ISSUED FOR CONSTRUCTION		06 2025				
0	ISSUED FOR COSTING REVIEW		03 / 2025				
A	ISSUED FOR COMMENT AND COSTING		12 / 2024				

AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

U:\WS23-24\B - ROAD REHABILITATION\CLARICE ST\SHEET SETS\SS-LONGSECTIONS-2820.DWG

CITY OF MANDURAH
3 Peel Street PO Box 210
Mandurah WA 6210
T (08) 9550 3777
F (08) 9550 3888

	BY	DATE
SURVEYED	COM	01/10/2024
DRAWN	C.Z	04/03/2025
DESIGNED/CHECK	R.C	04/03/2025
DESIGN ENGINEER/VERIFIED	M.S	12/06/2025
APPROVED	D.B	27/06/2025
PROJECT ACCOUNT NUMBER	100973	
CLIENT	CITY OF MANDURAH	

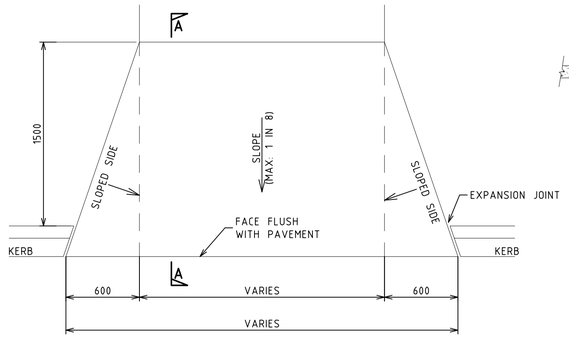
CLARICE STREET, MANDURAH

ROAD REHABILITATION AND RESURFACING.

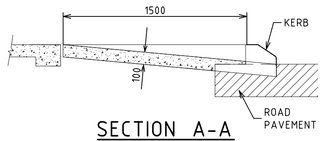
CROSS-SECTION (02 OF 02)

SHEET 12 OF 13

A1 | DWG NO. CRS 2820 12 | REVISION 0



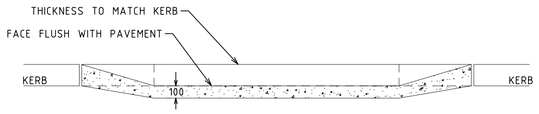
PLAN



SECTION A-A

NOTES:

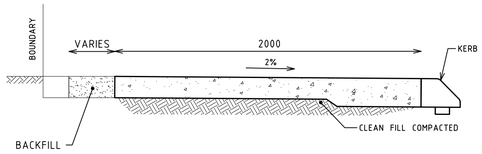
1. CONCRETE SHALL BE 32 MPa COMPRESSIVE STRENGTH AT 28 DAYS FROM AN APPROVED PRE-MIX BATCH PLANT. MAXIMUM AGGREGATE SIZE 20mm AND MAXIMUM SLUMP OF 80mm
2. EXPANSION JOINTS ARE TO BE 12mm CANITE BACKING MATERIAL SEALED WITH BUTYL MASTIC COMPOUND FILLER OR EQUIVALENT.
3. SURFACE TO BE BROOM FINISH, NON SLIP, WITH A SMOOTH EDGE APPROXIMATELY 75 mm WIDE AT EDGES AND JOINTS.
4. EDGE OF RAMP SHALL BE FLUSH WITH PAVEMENT.
5. A MINIMUM 500mm OF KERB SHALL BE PROVIDED BETWEEN ADJACENT RAMPS. WHERE THIS CANNOT BE ACHIEVED A SINGLE RAMP SHALL BE PROVIDED
6. WHERE NOMINATED TACTILE SURFACE INDICATORS AND PEDESTRIAN RAILS TO BE INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS 1428.4.
7. RAMPS TO BE SLIP RESISTANT AND OF CONTRASTING COLOUR TO ADJACENT ROAD.
8. CONSIDERATION TO BE GIVEN TO INSTALLATION OF TGSIS AS PER AS 1428.4.
9. RAMP IS TO FINISH FLUSH WITH PAVEMENT.
10. ALL DIMENSIONS IN MILLIMETERS.
11. FOR HANDRAILS DETAILS REFER TO STD FP07.
12. PRAM RAMPS TO BE INSTALLED SUCH THAT THE LINE OF TRAVEL MATCHES AN OPPOSING PEDESTRIAN FACILITY.
13. FOOTPATH WIDTHS TO BE IN ACCORDANCE WITH FP04.
14. DEPTH OF FOOTPATH TO BE IN ACCORDANCE WITH FP04.



FRONT ELEVATION

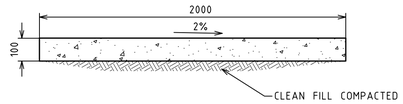
SHARED PATH JOINTING DETAILS (STD FP02/A)

SCALE N.T.S



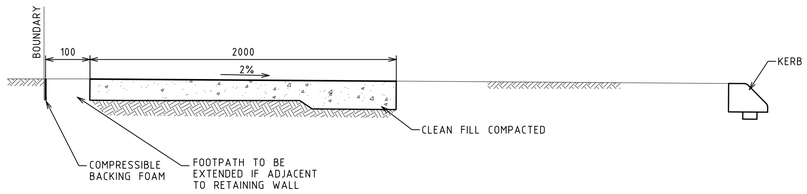
FOOTPATH ALIGNMENT TYPE 2

SCALE 1:20



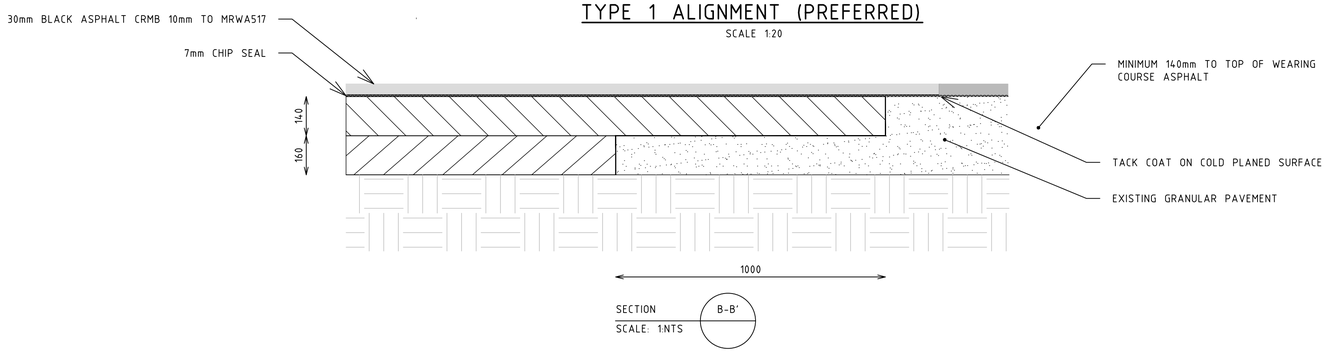
TYPICAL SECTION CONCRETE PATH - TYPE A

SCALE 1:20

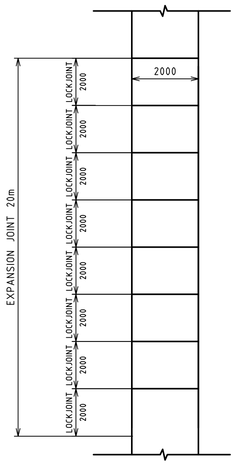


TYPE 1 ALIGNMENT (PREFERRED)

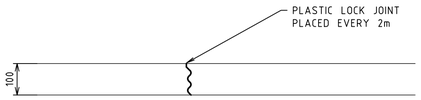
SCALE 1:20



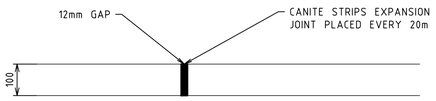
PAVEMENT - TRAVERSE JOINT



PLAN



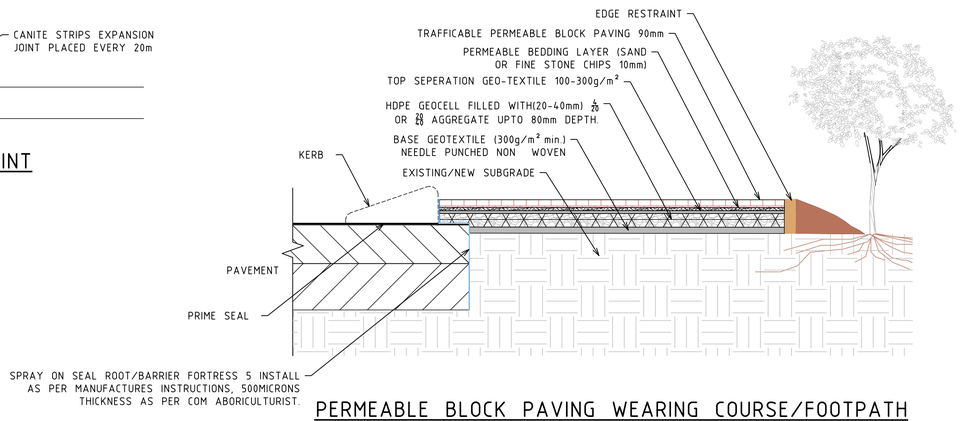
LOCK JOINT CONSTRUCTION



EXPANSION JOINT

SHARED PATH JOINTING DETAILS (STD FP03/A)

SCALE N.T.S



PERMEABLE BLOCK PAVING WEARING COURSE/FOOTPATH

SCALE N.T.S

1. TYPE 2 ALIGNMENT TO BE USED AS A LAST RESORT ONLY.
2. FOUNDATION TO BE COMPACTED TO 95% MDD.
3. CONCRETE SHALL BE 32MPa (min) COMPRESSIVE STRENGTH AT 28 DAYS FROM AN APPROVED PRE-MIX BATCH PLANT. MAXIMUM AGGREGATE SIZE 20mm AND MAXIMUM SLUMP 80mm.
4. BEDDING - SAND (100mm MINIMUM)
5. JOINTING TO OCCUR AS PER STD FP03
6. SURFACE TO BE BROOM FINISH, NON-SLIP, WITH SMOOTH EDGE APPROXIMATELY 75mm WIDE AT EDGES.
7. VERTICAL CLEARANCES ALONG PATHS SHOULD BE A MINIMUM OF 2m.
8. WHERE STREET FURNITURE (POLES, BENCHES, RUBBISH BINS, POSTS, ETC) ARE LOCATED IN PATH, A MINIMUM UNOBSTRUCTED WIDTH OF 1.2m MUST BE MAINTAINED.
9. INTERSECTION FOR PATHS TO OCCUR AT RIGHT ANGLES (90DEGREES) PLUS OR MINUS 20 DEGREES.
10. PATH ALIGNMENT TO BE CONSTRUCTED TO MINIMIZE DAMAGE OF EXISTING TREES.
11. GRADES OF PATHS ARE TO COMPLY WITH AUSTRALIAN STANDARDS FOR ACCESS FOR ALL ABILITIES.WHERE THIS CANNOT BE ACHIEVED, ALTERNATE ARRANGEMENTS MUST BE MADE (E.G. SIGNAGE AND /OR ALTERNATE ROUTE PROVIDED).
12. WHERE PATH IS WIDENED WHEN ADJACENT TO RETAINING WALL, THE WIDTH WILL BE EXTENDED OVER A LENGTH OF 5m.
13. WHERE A PATH IS ADJACENT TO A SCHOOL,THE MINIMUM WIDTH IS 3m.

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A	ISSUED FOR COMMENT AND COSTING		12 / 2024				

AMENDMENTS

METADATA

HORIZONTAL DATUM : PCG 94
VERTICAL DATUM : AHD
FILE LOCATION :

U:\WS23-26\B - ROAD REHABILITATION\CLARICE ST\SHEET SETS\SS-DETAILS-2820.DWG

CITY OF MANDURAH
3 Peel Street PO Box 210
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T (08) 9550 3777
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CLARICE STREET, MANDURAH

ROAD REHABILITATION AND RESURFACING.

DETAILS

SHEET 13 OF 13

A1 | DWG NO. DET 2820 13 | REVISION 0