

FOR CONSTRUCTION





| SIGN SCHEDULE |      |      |      |                            |  |  |  |  |
|---------------|------|------|------|----------------------------|--|--|--|--|
| ID            | QTY. | TYPE | SIZE | DESCRIPTION                |  |  |  |  |
| R4-236N       | 2    | NEW  | А    | HPAA 40 ENTRY              |  |  |  |  |
| R4-11         | 1    | NEW  | А    | END 40                     |  |  |  |  |
| W5-10 & W8-2  | 1    | NEW  | А    | HUMP WARNING               |  |  |  |  |
| R4-231N       | 2    | NEW  | А    | END SCHOOL ZONE 40 STICKER |  |  |  |  |

# LINE MARKING NOTES

- 1. PAVEMENT MARKING TO BE INSTALLED IN ACCORDANCE WITH TINSW SPECIFICATION R141 PAVEMENT MARKING.
- 2. ALL LINEMARKING TO BE THERMOPLASTIC PAINT IN ACCORDANCE WITH TfNSW MATERIALS SPECIFICATION QS3357 AND QS3359 WITH GLASS BEADS QS3353 AND ANTI-SKID MATERIAL.
- 3. EXISTING LINE MARKING TO BE REMOVED BY GRINDING

| G     | S&L AMENDED               | 06/03/24 |      |
|-------|---------------------------|----------|------|
| F     | S&L AMENDED               | 12/02/24 |      |
| Е     | CONSTRUCTION PLAN         | 25/10/23 |      |
| D     | LTC ISSUE AMENDED FURTHER | 11/09/23 |      |
| С     | LTC ISSUE AMENDED         | 08/08/23 |      |
| В     | LTC ISSUE                 | 04/07/23 |      |
| Α     | FOR REVIEW                | 30/06/23 |      |
| ISSUE | DETAILS                   | DATE     | App. |



Email tpeconsulting2020@gmail.com, www.tpeconsulting.com.au

EXISTING SCHOOL ZONE SIGN.

| LIVERPOOL |
|-----------|
| CITY      |
| COUNCIL   |

REMOVE BIKE

PROVIDE LANDSCAPING TO DETER

PEDESTRIAN CROSSING MOVEMENT.

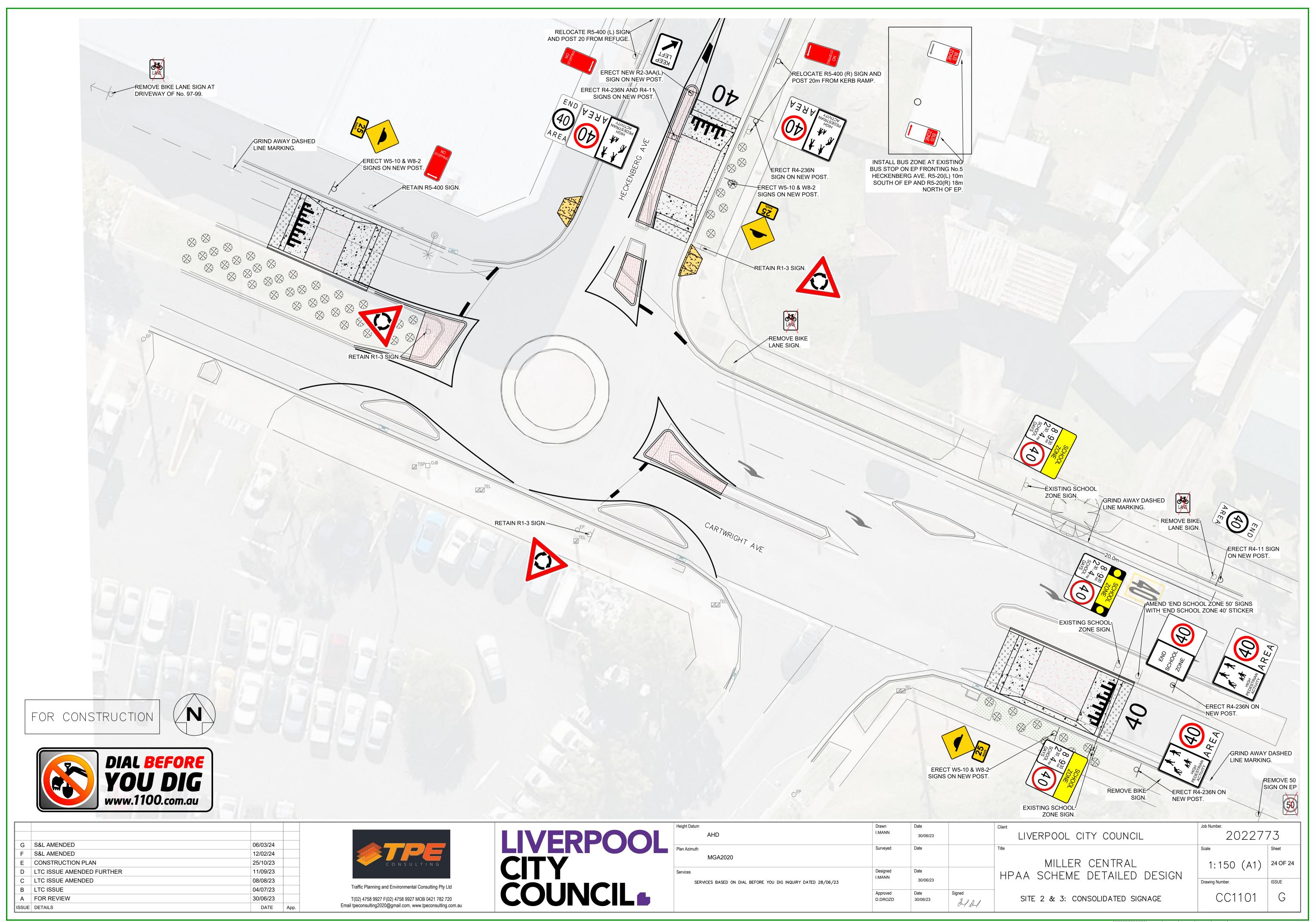
ERECT R4-236N ON

REMOVE 50 SIGN ON EP

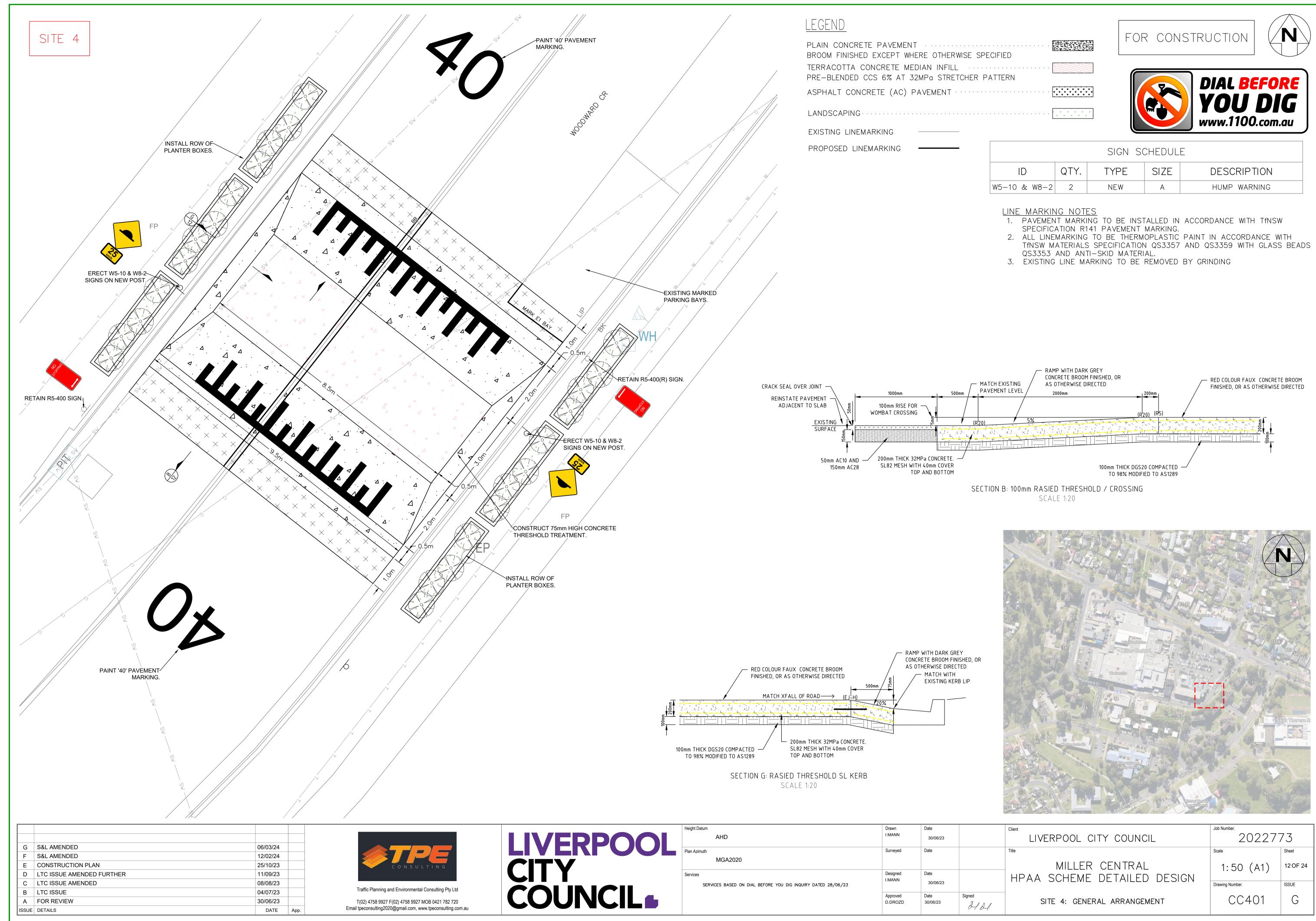
50

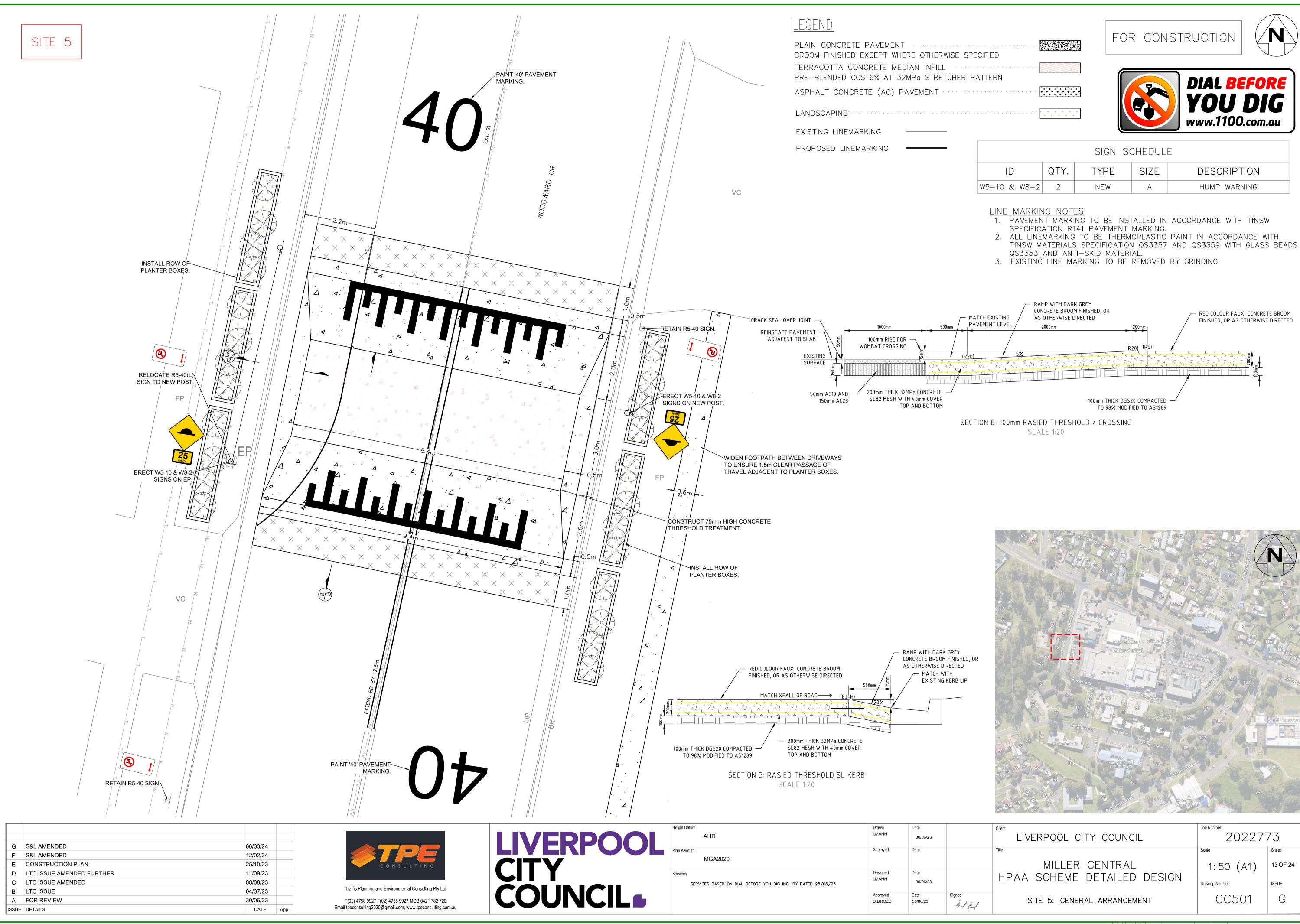
NEW POST.

| Height Datum  AHD  | Drawn<br>I.MANN    | Date 30/06/23    |                 | LIVERPOOL CITY COUNCIL                     | Job Number. 20227 | 73       |
|--|--------------------|------------------|-----------------|--|-------------------|----------|
| Plan Azimuth   | Surveyed           | Date             |                 | Title                                      | Scale             | Sheet    |
| MGA2020 Services   | Designed<br>I.MANN | Date             |                 | MILLER CENTRAL HPAA SCHEME DETAILED DESIGN | 1:75 (A1)         | 10 OF 24 |
| SERVICES BASED ON DIAL BEFORE YOU DIG INQUIRY DATED 28/06/23 | 1                  | 30/06/23         |                 | THE PERMIT                                 | Drawing Number.   | ISSUE    |
|  | Approved D.DROZD   | Date<br>30/06/23 | Signed J. J. J. | SITE 3: GENERAL ARRANGEMENT                | CC301             | G        |



COPYRIGHT © 2016





COPYRIGHT © 2016

# LEGEND

EXISTING LINEMARKING

PROPOSED LINEMARKING ----

PLAIN CONCRETE PAVEMENT BROOM FINISHED EXCEPT WHERE OTHERWISE SPECIFIED TERRACOTTA CONCRETE MEDIAN INFILL PRE-BLENDED CCS 6% AT 32MPa STRETCHER PATTERN

ASPHALT CONCRETE (AC) PAVEMENT ..... LANDSCAPING





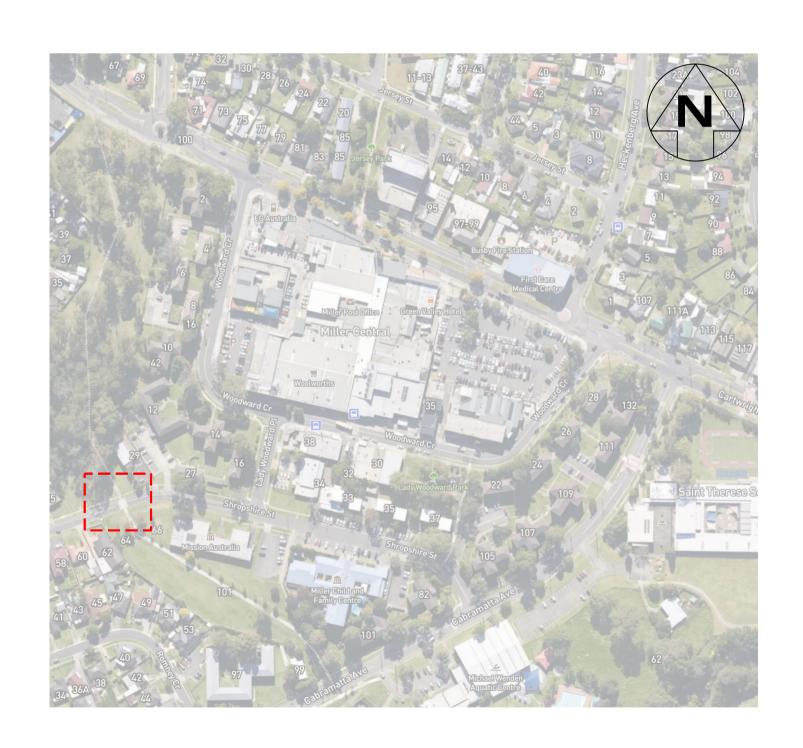
| YOU DIG<br>www.1100.com.au |
|----------------------------|
|                            |

| SIGN SCHEDULE |         |      |      |      |               |  |
|---------------|---------|------|------|------|---------------|--|
|               | ID      | QTY. | TYPE | SIZE | DESCRIPTION   |  |
|               | R4-236N | 2    | NEW  | А    | HPAA 40 ENTRY |  |
|               | R4-11   | 1    | NEW  | А    | END 40        |  |
|               | R3-1    | 4    | NEW  | A    | CROSSING SIGN |  |

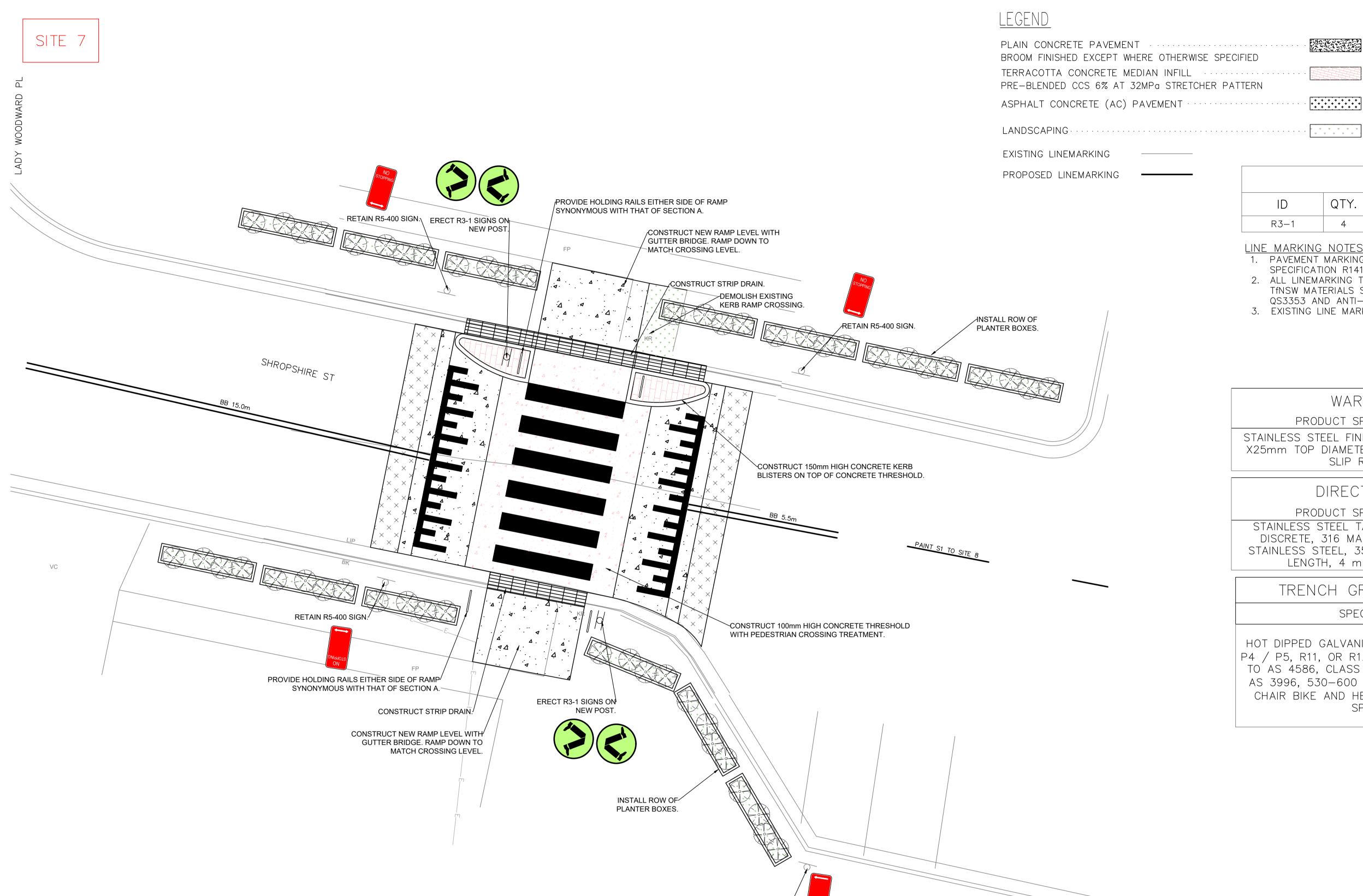
### LINE MARKING NOTES

- 1. PAVEMENT MARKING TO BE INSTALLED IN ACCORDANCE WITH THISW SPECIFICATION R141 PAVEMENT MARKING.
- 2. ALL LINEMARKING TO BE THERMOPLASTIC PAINT IN ACCORDANCE WITH TfNSW MATERIALS SPECIFICATION QS3357 AND QS3359 WITH GLASS BEADS QS3353 AND ANTI-SKID MATERIAL.
- 3. EXISTING LINE MARKING TO BE REMOVED BY GRINDING

| PROVIDE HOLDING RAILS EITHER SIDE OF RAMP  |  |
|--|--|
| CONSTRUCT NEW RAMP LEVEL WITH  FP  SYNONYMOUS WITH THAT OF SECTION A.  |  |
| GUTTER BRIDGE. RAMP DOWN TO MATCH CROSSING LEVEL.  CONSTRUCT STRIP DRAIN.  |  |
|  |  |
|  |  |
| PROVIDE LANDSCAPING TO DETER PEDESTRIAN CROSSING MOVEMENT.  ERECT R3-1 SIGNS ON NEW POST.  SHROPSHIRE ST  SHROPSHIRE ST  |  |
| NEW POST.  |  |
|  |  |
| DEMOLISH EXISTING PEDESTRIAN CROSSING.   |  |
| ERECT R4-236N SIGN ON NEW POST.  |  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |  |
| X X X Y X X X X X X X X X X X X X X X X  |  |
| X X X X X X X X X X X X X X X X X X X  |  |
| X BB X   |  |
| PROVIDE LANDSCAPING TO DETER  PEDESTRIAN CROSSING MOVEMENT   |  |
| PAINT '40' PAVEMENT  |  |
| MARKING.   |  |
|  |  |
| 10.0m  |  |
| CONSTRUCT 100mm HIGH CONCRETE THRESHOLD WITH PEDESTRIAN CROSSING TREATMENT.  |  |
| PROVIDE HOLDING RAILS EITHER SIDE OF RAMP  SYNONYMOUS WITH THAT OF SECTION A.  CONSTRUCT NEW RAMP LEVEL WITH  GUTTER BRIDGE. RAMP DOWN TO  MATCH CROSSING LEVEL. |  |
| SYNONYMOUS WITH THAT OF SECTION A. MATCH CROSSING LEVEL.  CONSTRUCT STRIP DRAIN.   |  |
| ERECT R4-236N AND R4-11  |  |
| SIGNS ON NEW POST.   |  |
|  |  |
|  |  |
|  |  |
|  |  |



|                                   |                      |   | I IVEDDOOI | Height Datum AHD   | Drawn<br>I.MANN    | Date 30/06/23 | LIVERPOOL CITY COUNCIL        | Job Number. 20227 | 773      |
|-----------------------------------|----------------------|---|------------|--|--------------------|---------------|-------------------------------|-------------------|----------|
| G S&L AMENDED                     | 06/03/24             |   | LIVERPOOL  | Plan Azimuth   | Surveyed           | Date          | Title                         | Scale             | Sheet    |
| F S&L AMENDED E CONSTRUCTION PLAN | 12/02/24<br>25/10/23 | CONSULTING  | CITV       | MGA2020  |                    |               | MILLER CENTRAL                | 1: 75 (A1)        | 14 OF 24 |
| D LTC ISSUE AMENDED FURTHER       | 11/09/23             |   |            | Services   | Designed<br>I.MANN | Date          | HPAA SCHEME DETAILED DESIGN   | 1.75 (A1)         |          |
| C LTC ISSUE AMENDED               | 08/08/23             | Traffic Planning and Environmental Consulting Pty Ltd       |            | SERVICES BASED ON DIAL BEFORE YOU DIG INQUIRY DATED 28/06/23 | I.MANN             | 30/06/23      | THE AA SCHEWE DETAILED DESIGN | Drawing Number.   | ISSUE    |
| B LTC ISSUE                       | 04/07/23             | Trailic Planning and Environmental Consulting Pty Ltd       | COUNCIL    |  | Approved           | Date Signed   |                               | 00001             |          |
| A FOR REVIEW                      | 30/06/23             | T(02) 4758 9927 F(02) 4758 9927 MOB 0421 782 720            | COUNCIL    |  | D.DROZD            | 30/06/23      | SITE 6: GENERAL ARRANGEMENT   | CC601             |          |
| ISSUE DETAILS                     | DATE App.            | Email tpeconsulting2020@gmail.com, www.tpeconsulting.com.au |            |  |                    | Ony Duf.      |                               |                   |          |



PLAIN CONCRETE PAVEMENT BROOM FINISHED EXCEPT WHERE OTHERWISE SPECIFIED TERRACOTTA CONCRETE MEDIAN INFILL PRE-BLENDED CCS 6% AT 32MPa STRETCHER PATTERN

FOR CONSTRUCTION





| SIGN SCHEDULE |      |      |      |      |               |  |
|---------------|------|------|------|------|---------------|--|
|               | ID   | QTY. | TYPE | SIZE | DESCRIPTION   |  |
|               | R3-1 | 4    | NEW  | А    | CROSSING SIGN |  |

### LINE MARKING NOTES

- 1. PAVEMENT MARKING TO BE INSTALLED IN ACCORDANCE WITH TINSW SPECIFICATION R141 PAVEMENT MARKING.
- 2. ALL LINEMARKING TO BE THERMOPLASTIC PAINT IN ACCORDANCE WITH THISW MATERIALS SPECIFICATION QS3357 AND QS3359 WITH GLASS BEADS QS3353 AND ANTI-SKID MATERIAL.
- 3. EXISTING LINE MARKING TO BE REMOVED BY GRINDING

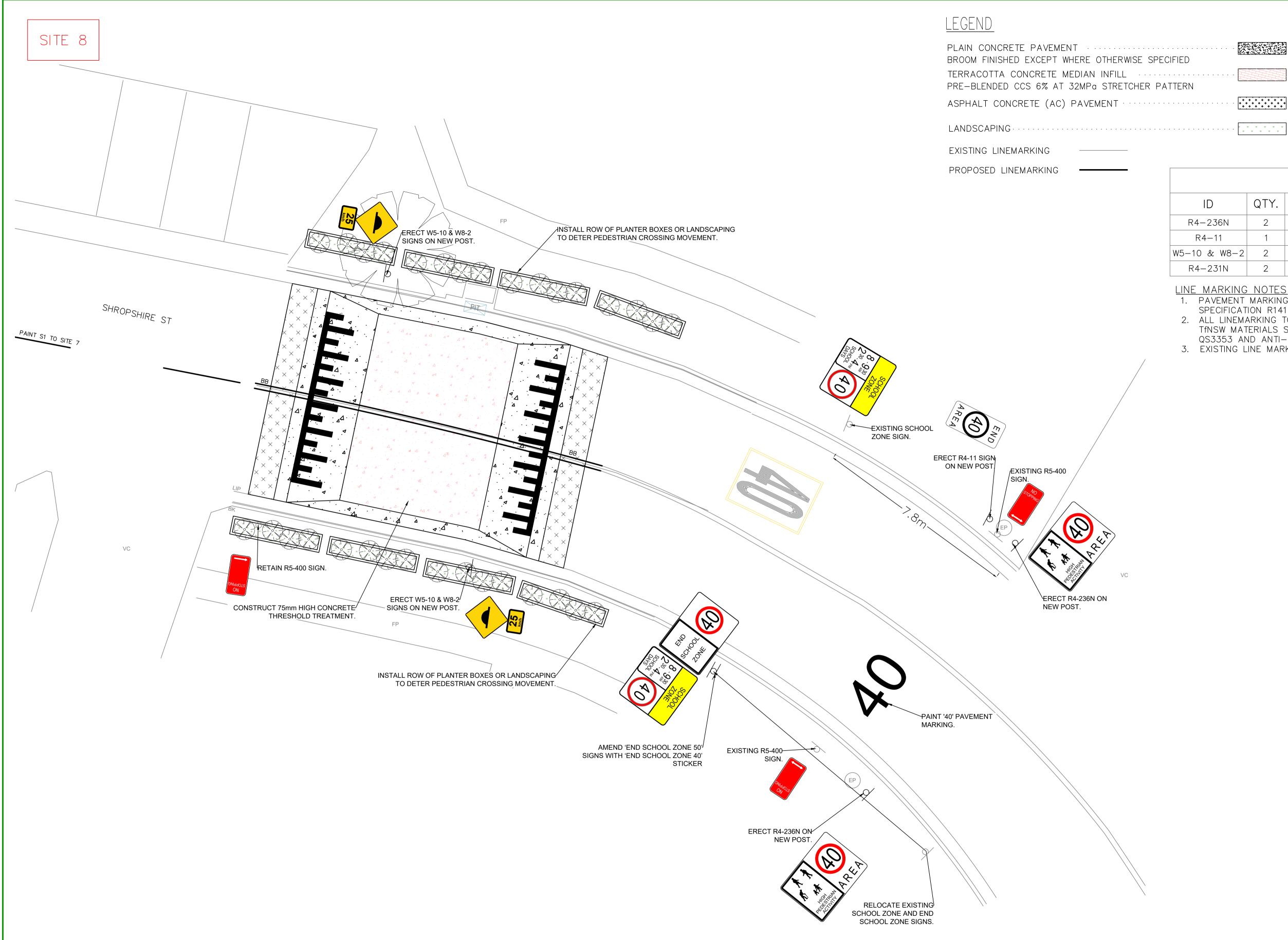
| WARNING TGSI DETAI   | LS   |
|--|--|
| PRODUCT SPECIFICATION  | REMARKS                                      |
| STAINLESS STEEL FINISH, 35mm DIAMETER<br>X25mm TOP DIAMETER, HEIGHT 5mm, P5<br>SLIP RATING | INSTALLATION TO MANUFACTURER'S SPECIFICATION |

| DIRECTIONAL TGSI DET   | AILS IIIIIII                                       |
|--|--|
| PRODUCT SPECIFICATION  | REMARKS  |
| STAINLESS STEEL TACTILE DIRECTIONAL DISCRETE, 316 MARINE GRADE SOLID STAINLESS STEEL, 35mm WIDTH, 290mm LENGTH, 4 mm THICKNESS | INSTALLATION TO<br>MANUFACTURER'S<br>SPECIFICATION |

| TRENCH GRATE AND FRAME DI   | ETAILS  |
|---|---|
| SPECIFICATION   | REMARKS   |
| OT DIPPED GALVANISED STEEL GRATING, WITH / P5, R11, OR R12 SLIP RESISTANCE RATING O AS 4586, CLASS C OR D LOAD RATING TO S 3996, 530-600 WIDE (PEDESTRIAN WHEEL CHAIR BIKE AND HEEL PROOF SAFE) OR AS SPECIFIED | REFER TO LCC<br>CITY CENTRE<br>STANDARD<br>DWG No. SS.1,<br>SS.2, SS.3,<br>SS.4, SS.5 &<br>SS.6 |

|                             |                      |   | I IVEDDOOI | Height Datum  AHD  | Drawn<br>I.MANN | Date 30/06/23 | LIVERPOOL CITY COUNCIL      | Job Number. 20227 | 773             |
|-----------------------------|----------------------|---|------------|--|-----------------|---------------|-----------------------------|-------------------|-----------------|
| G S&L AMENDED F S&L AMENDED | 06/03/24<br>12/02/24 |   | LIVERPOOL  | Plan Azimuth   | Surveyed        | Date          | Title                       | Scale             | Sheet           |
| E CONSTRUCTION PLAN         | 25/10/23             | CONSULTING  | CITV       | MGA2020  |                 |               | MILLER CENTRAL              | 1:75 (A1)         | 16 OF 24        |
| D LTC ISSUE AMENDED FURTHER | 11/09/23             |   |            | Services   | Designed        | Date          | HPAA SCHEME DETAILED DESIGN | 1.70 (711)        | '               |
| C LTC ISSUE AMENDED         | 08/08/23             | Traffic Planning and Environmental Consulting Dty Ltd       |            | SERVICES BASED ON DIAL BEFORE YOU DIG INQUIRY DATED 28/06/23 | I.WANN          | 30/06/23      | THE TOTAL DETITIED DESIGN   | Drawing Number.   | ISSUE           |
| B LTC ISSUE                 | 04/07/23             | Traffic Planning and Environmental Consulting Pty Ltd       |            |  | Approved        | Date Signed   |                             |                   |                 |
| A FOR REVIEW                | 30/06/23             | T(02) 4758 9927 F(02) 4758 9927 MOB 0421 782 720            | COUNCIL    |  | D.DROZD         | 30/06/23      | SITE 7: GENERAL ARRANGEMENT | CC701             | $\mid G \mid '$ |
| ISSUE DETAILS               | DATE App.            | Email tpeconsulting2020@gmail.com, www.tpeconsulting.com.au |            |  |                 |               | bul.                        |                   |                 |

RETAIN R5-400 SIGN.



FOR CONSTRUCTION





| SIGN SCHEDULE |      |      |      |                            |  |  |  |  |  |
|---------------|------|------|------|----------------------------|--|--|--|--|--|
| ID            | QTY. | TYPE | SIZE | DESCRIPTION                |  |  |  |  |  |
| R4-236N       | 2    | NEW  | А    | HPAA 40 ENTRY              |  |  |  |  |  |
| R4-11         | 1    | NEW  | А    | END 40                     |  |  |  |  |  |
| W5-10 & W8-2  | 2    | NEW  | А    | HUMP WARNING               |  |  |  |  |  |
| R4-231N       | 2    | NEW  | А    | END SCHOOL ZONE 40 STICKER |  |  |  |  |  |

### LINE MARKING NOTES

+++++++++

- 1. PAVEMENT MARKING TO BE INSTALLED IN ACCORDANCE WITH TINSW SPECIFICATION R141 PAVEMENT MARKING.
- 2. ALL LINEMARKING TO BE THERMOPLASTIC PAINT IN ACCORDANCE WITH THISW MATERIALS SPECIFICATION QS3357 AND QS3359 WITH GLASS BEADS QS3353 AND ANTI-SKID MATERIAL.
- 3. EXISTING LINE MARKING TO BE REMOVED BY GRINDING

| G     | S&L AMENDED               | 06/03/24 |      |
|-------|---------------------------|----------|------|
| F     | S&L AMENDED               | 12/02/24 |      |
| E     | CONSTRUCTION PLAN         | 25/10/23 |      |
| D     | LTC ISSUE AMENDED FURTHER | 11/09/23 |      |
| С     | LTC ISSUE AMENDED         | 08/08/23 |      |
| В     | LTC ISSUE                 | 04/07/23 |      |
| Α     | FOR REVIEW                | 30/06/23 |      |
| ISSUE | DETAILS                   | DATE     | App. |



T(02) 4758 9927 F(02) 4758 9927 MOB 0421 782 720 Email tpeconsulting2020@gmail.com, www.tpeconsulting.com.au LIVERPOOL CITY COUNCIL

| Height Datum  AHD  | Drawn<br>I.MANN    | Date 30/06/23    |             | LIVERPOOL CITY COUNCIL      | Job Number. 2022773 |                |  |
|--|--------------------|------------------|-------------|-----------------------------|---------------------|----------------|--|
| Plan Azimuth MGA2020   | Surveyed           | Date             |             | MILLER CENTRAL              | Scale 1:75 (A1)     | Sheet 18 OF 24 |  |
| Services  SERVICES BASED ON DIAL BEFORE YOU DIG INQUIRY DATED 28/06/23 | Designed<br>I.MANN | Date 30/06/23    |             | HPAA SCHEME DETAILED DESIGN | Drawing Number.     | ISSUE          |  |
|  | Approved D.DROZD   | Date<br>30/06/23 | Signed July | SITE 8: GENERAL ARRANGEMENT | CC801               | G              |  |





| SIGN SCHEDULE |      |      |             |               |  |  |  |  |  |
|---------------|------|------|-------------|---------------|--|--|--|--|--|
| ID            | TYPE | SIZE | DESCRIPTION |               |  |  |  |  |  |
| R3-1          | 4    | NEW  | А           | CROSSING SIGN |  |  |  |  |  |

#### LINE MARKING NOTES

- 1. PAVEMENT MARKING TO BE INSTALLED IN ACCORDANCE WITH TINSW SPECIFICATION R141 PAVEMENT MARKING.
- 2. ALL LINEMARKING TO BE THERMOPLASTIC PAINT IN ACCORDANCE WITH THE THREE THRE
- 3. EXISTING LINE MARKING TO BE REMOVED BY GRINDING

### LEGEND

PLAIN CONCRETE PAVEMENT
BROOM FINISHED EXCEPT WHERE OTHERWISE SPECIFIED

TERRACOTTA CONCRETE MEDIAN INFILL
PRE-BLENDED CCS 6% AT 32MPa STRETCHER PATTERN

ASPHALT CONCRETE (AC) PAVEMENT

LANDSCAPING

EXISTING LINEMARKING

PROPOSED LINEMARKING

| WARNING TGSI DETAI                                | LS                           |
|---|------------------------------|
| PRODUCT SPECIFICATION                             | REMARKS                      |
| STAINLESS STEEL FINISH, 35mm DIAMETER             | INSTALLATION TO              |
| X25mm TOP DIAMETER, HEIGHT 5mm, P5<br>SLIP RATING | MANUFACTURER'S SPECIFICATION |

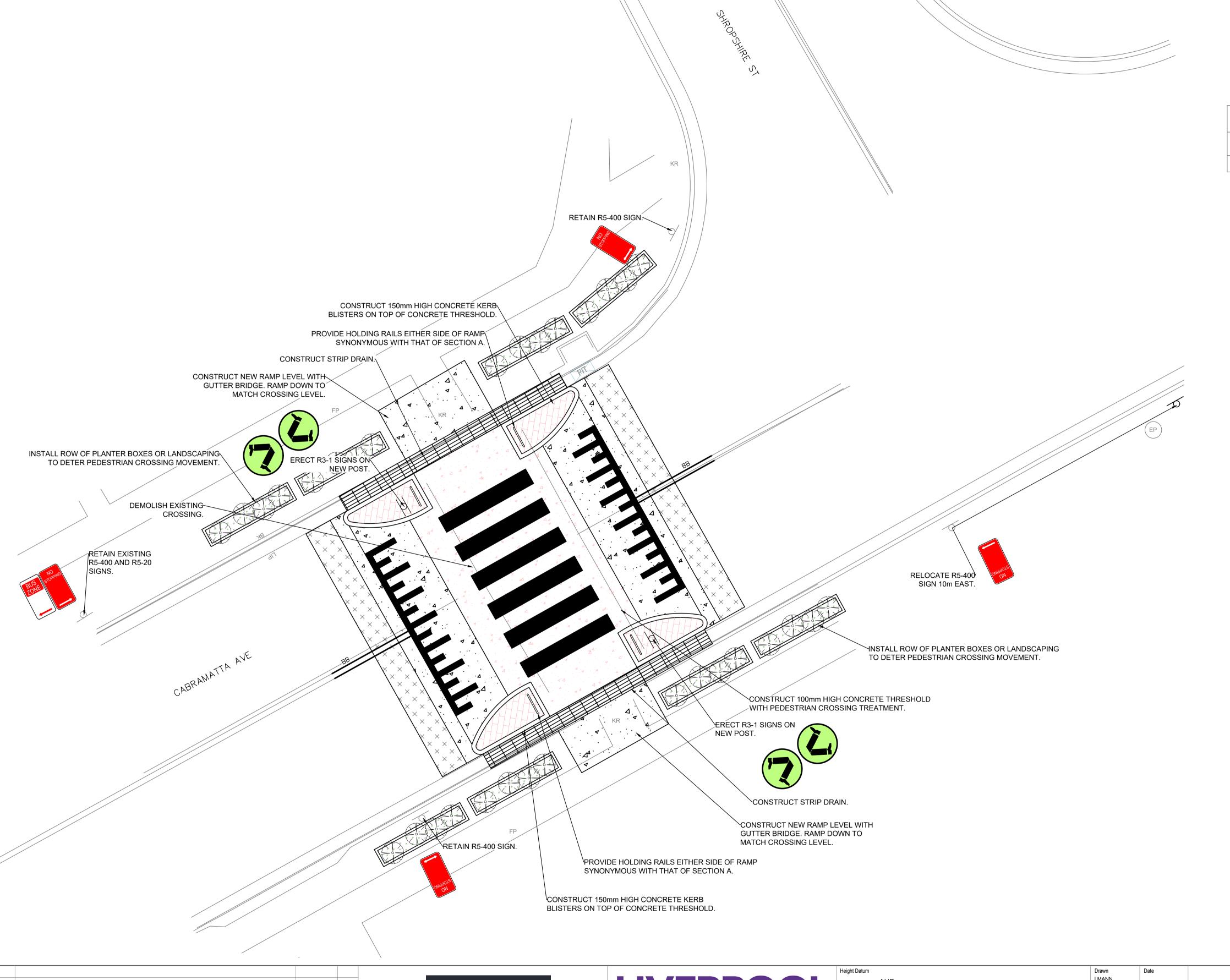
| DIRECTIONAL TGSI DET   | AILS IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII     |
|--|--|
| STAINLESS STEEL TACTILE DIRECTIONAL DISCRETE, 316 MARINE GRADE SOLID STAINLESS STEEL, 35mm WIDTH, 290mm LENGTH, 4 mm THICKNESS | INSTALLATION TO MANUFACTURER'S SPECIFICATION |

| TRENCH GRATE AND FRAME D  | ETAILS  |
|---|---|
| SPECIFICATION   | REMARKS   |
| HOT DIPPED GALVANISED STEEL GRATING, WITH P4 / P5, R11, OR R12 SLIP RESISTANCE RATING TO AS 4586, CLASS C OR D LOAD RATING TO AS 3996, 530-600 WIDE (PEDESTRIAN WHEEL CHAIR BIKE AND HEEL PROOF SAFE) OR AS SPECIFIED | REFER TO LCC<br>CITY CENTRE<br>STANDARD<br>DWG No. SS.1,<br>SS.2, SS.3,<br>SS.4, SS.5 &<br>SS.6 |

1:75 (A1)

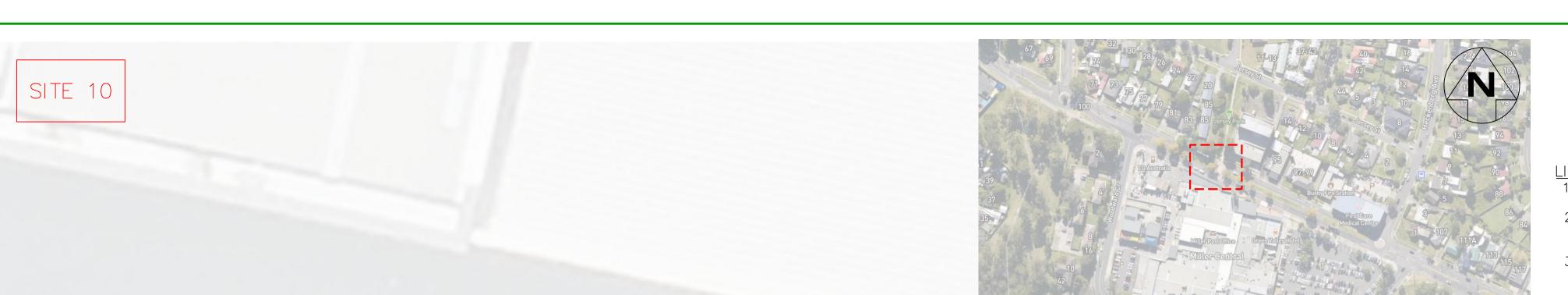
CC901

Drawing Number.



|                             |          |  |           | Height Datum   | Drawn            | Date          |                | Client                      |
|-----------------------------|----------|--|-----------|--|------------------|---------------|----------------|-----------------------------|
|                             |          |  |           | AHD  | I.MANN           | 30/06/23      |                | LIVERPOOL CITY COUNCIL      |
| G S&L AMENDED               | 06/03/24 |  | LIVERPULL | Plan Azimuth   | Surveyed         | Date          |                | Title                       |
| F S&L AMENDED               | 12/02/24 |  |           | MGA2020  |                  |               |                |                             |
| E CONSTRUCTION PLAN         | 25/10/23 | CONSULTING   | CITV      | WIGA2020   |                  |               |                | MILLER CENTRAL              |
| D LTC ISSUE AMENDED FURTHER | 11/09/23 |  |           | Services   | Designed         | Date          |                |                             |
| C LTC ISSUE AMENDED         | 08/08/23 |  |           | SERVICES BASED ON DIAL BEFORE YOU DIG INQUIRY DATED 28/06/23 | I.MANN           | 30/06/23      |                | HPAA SCHEME DETAILED DESIGN |
| B LTC ISSUE                 | 04/07/23 | Traffic Planning and Environmental Consulting Pty Ltd            |           |  | A = = = = d      | Data          | Oid            |                             |
| A FOR REVIEW                | 30/06/23 | T(02) 4758 9927 F(02) 4758 9927 MOB 0421 782 720                 | COUNCIL   |  | Approved D.DROZD | Date 30/06/23 | Signed 2 1 1 1 | SITE 8: GENERAL ARRANGEMENT |
| ISSUE DETAILS               | DATE     | App. Email tpeconsulting2020@gmail.com, www.tpeconsulting.com.au |           |  |                  |               | Out but.       |                             |

COPYRIGHT © 2016





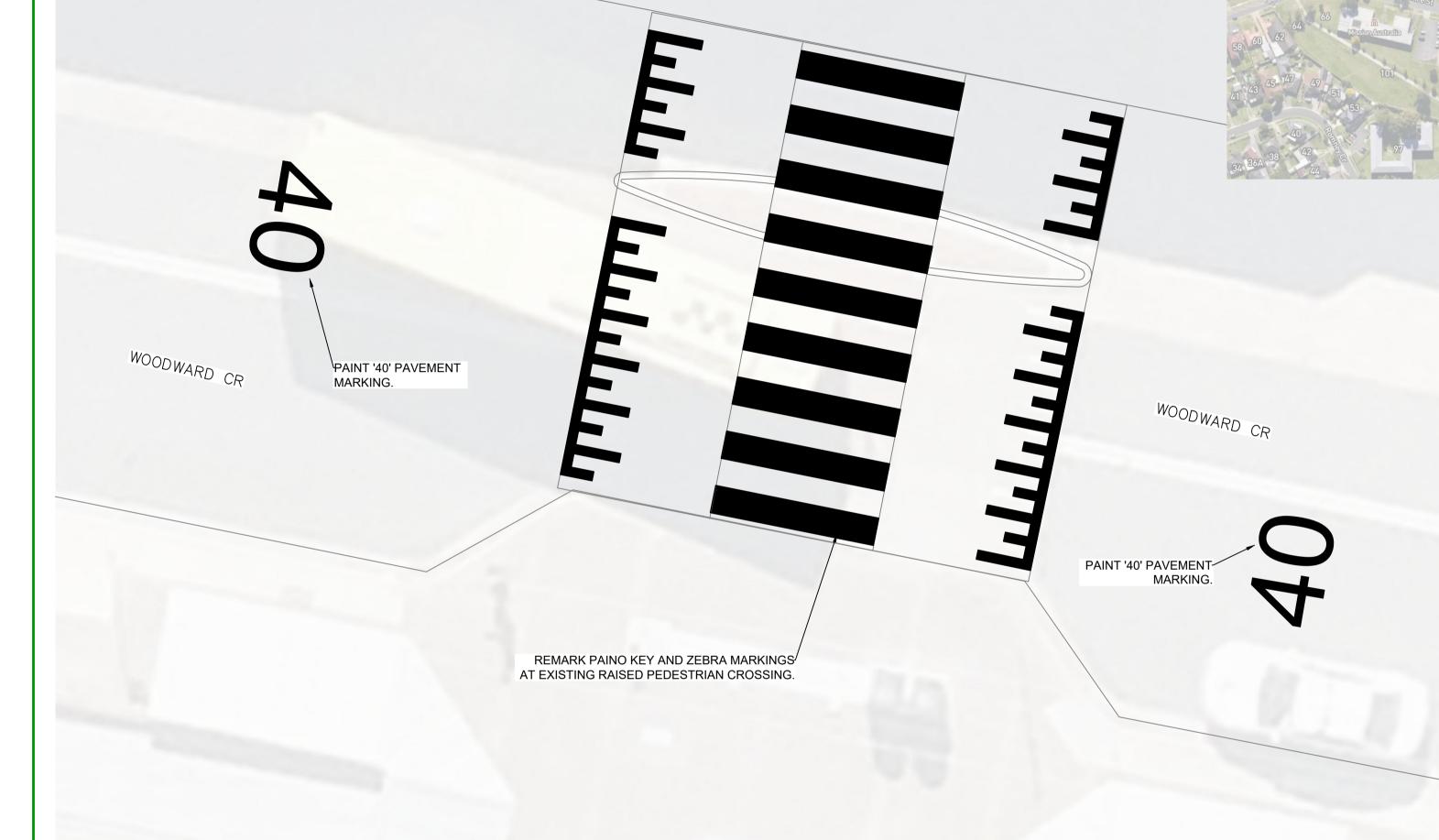
FOR CONSTRUCTION



# LINE MARKING NOTES

- 1. PAVEMENT MARKING TO BE INSTALLED IN ACCORDANCE WITH THISW SPECIFICATION R141 PAVEMENT MARKING.
- 2. ALL LINEMARKING TO BE THERMOPLASTIC PAINT IN ACCORDANCE WITH THISW MATERIALS SPECIFICATION QS3357 AND QS3359 WITH GLASS BEADS QS3353 AND ANTI-SKID MATERIAL.
- 3. EXISTING LINE MARKING TO BE REMOVED BY GRINDING

| SIGN SCHEDULE |         |     |      |               |  |  |  |  |  |
|---------------|---------|-----|------|---------------|--|--|--|--|--|
| ID            | ID QTY. |     | SIZE | DESCRIPTION   |  |  |  |  |  |
| R3-1          | 4       | NEW | А    | CROSSING SIGN |  |  |  |  |  |





| G     | S&L AMENDED               | 06/03/24 |     |
|-------|---------------------------|----------|-----|
| F     | S&L AMENDED               | 12/02/24 |     |
| Е     | CONSTRUCTION PLAN         | 25/10/23 |     |
| D     | LTC ISSUE AMENDED FURTHER | 11/09/23 |     |
| С     | LTC ISSUE AMENDED         | 08/08/23 |     |
| В     | LTC ISSUE                 | 04/07/23 |     |
| Α     | FOR REVIEW                | 30/06/23 |     |
| ISSUE | DETAILS                   | DATE     | Δnn |

COPYRIGHT © 2016



T(02) 4758 9927 F(02) 4758 9927 MOB 0421 782 720 Email tpeconsulting2020@gmail.com, www.tpeconsulting.com.au LIVERPOOL CITY COUNCIL

| Height Datum   | Drawn Date       |                  |             | Client                        | Job Number.     |          |
|--|------------------|------------------|-------------|-------------------------------|-----------------|----------|
| AHD  | I.MANN           | 30/06/23         |             | LIVERPOOL CITY COUNCIL        | 20227           | 73       |
| Plan Azimuth   | Surveyed         | Date             |             | Title                         | Scale           | Sheet    |
| MGA2020  |                  |                  |             | MILLER CENTRAL                | 1:75 (A1)       | 23 OF 24 |
| Services   | Designed         | Date             |             | HPAA SCHEME DETAILED DESIGN   | (, )            |          |
| SERVICES BASED ON DIAL BEFORE YOU DIG INQUIRY DATED 28/06/23 | I.MANN           | 30/06/23         |             | THE AA SCHEWE DETAILED DESIGN | Drawing Number. | ISSUE    |
|  | Approved D.DROZD | Date<br>30/06/23 | Signed Duf. | SITE 10: LINE MARKING PLAN    | CC1001          | G        |