

PROJECT:


RAILWAY ST REALIGNMENT NORTH COTTESLOE P.S.

| | | | |
|----|-----------|-------------------------------|-----|
| A | 28-7-2020 | PRELIMINARY PLOT FOR APPROVAL | MJV |
| No | Date | Revision | By |

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CLIENT:

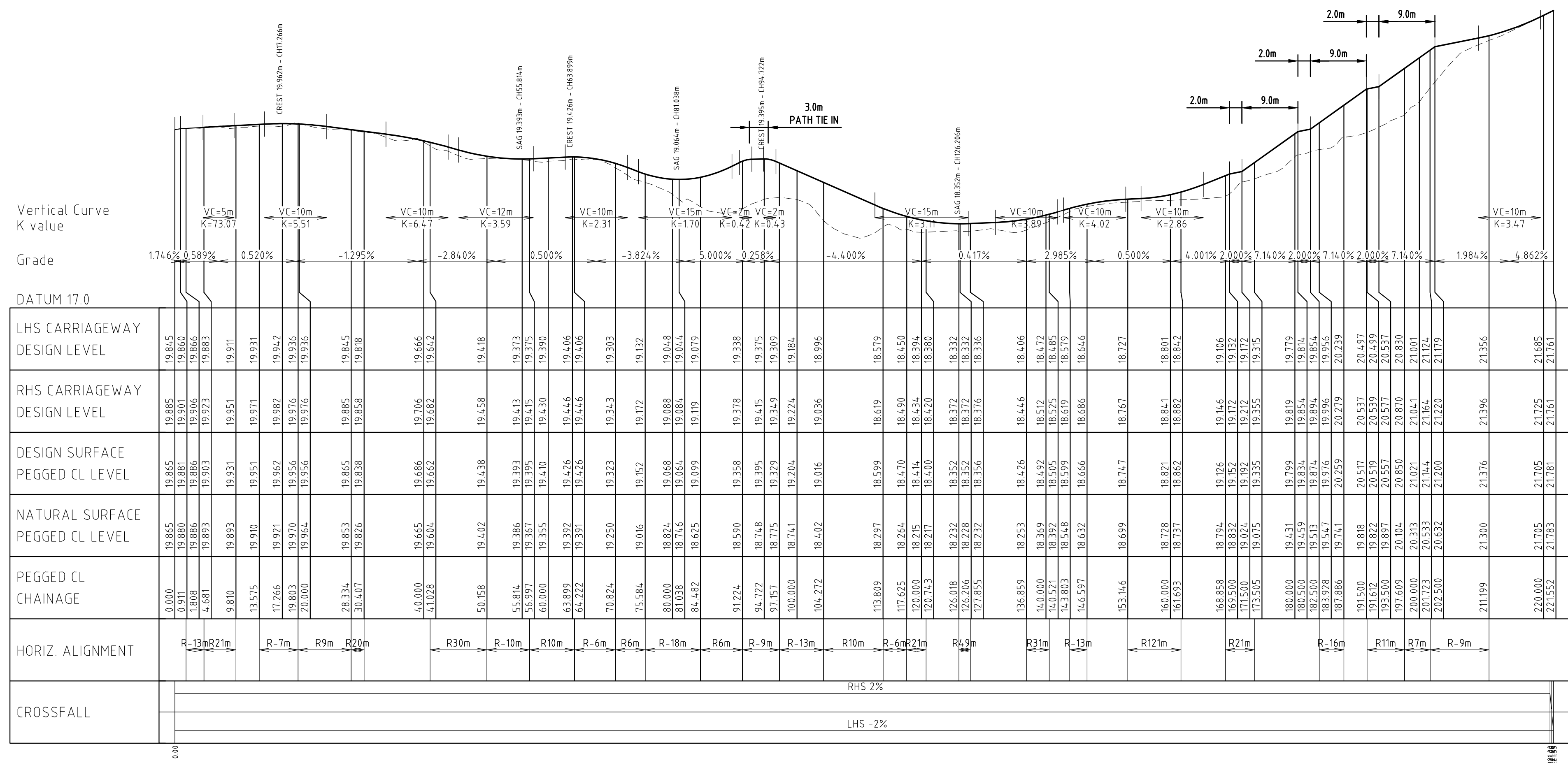
TOWN OF COTTESLOE

DRAWING:
**RAILWAY STREET
CROSS SECTIONS CH:190-220**

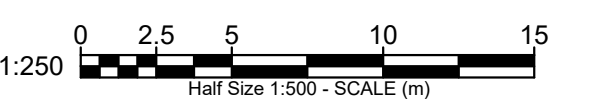
STATUS: **FOR APPROVAL**

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|--------|-----------|---|----------|-----------------------|
| SCALE | 1:200 | DRAWING No. | REV No. | ORIGINAL DRAWING SIZE |
| DATE | JULY 2020 | 20-4-53/415 | A | A1 |
| DESIGN | ELW | | | |
| DRAWN | MIJV | FILE NAME S:\ACTIVE PROJECTS\20-04-053\ACAD\20453-412-415.dwg | | |
| CHECK | APP'D |  | | |





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GENERAL

1. THE CONTRACTOR SHALL INSTALL SIGNING & PAVEMENT MARKINGS IN CAR PARKS AND OTHER SPECIFIED NON-REGULATORY LOCATIONS IN ACCORDANCE WITH MAIN ROAD WA, RELEVANT AUSTRALIAN STANDARDS AND LOCAL AUTHORITY REQUIREMENTS.
2. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A SAFE CONDITION FOR ALL USERS BY THE USE OF TEMPORARY SIGNAGE, PAVEMENT MARKINGS AND LIGHTING IF REQUIRED UNTIL PAVEMENT SIGNS AND PAVEMENT MARKINGS ARE INSTALLED.
3. IF POSSIBLE, LINE MARKING TO BE INSTALLED 14 DAYS AFTER CONCRETE / BITUMEN SEAL HAS BEEN INSTALLED.

LINE MARKING PAINT

4. ALL LINE & PAVEMENT MARKING PAINT TO BE DULUX ROADMASTER A1 (CHLORINATED RUBBER) APPLIED AS DIRECTED BY MANUFACTURERS INSTRUCTIONS (OR AN APPROVED SIMILAR FUNCTIONALLY EQUIVALENT PRODUCT)
5. ALL PAINT & LINE MARKING SYSTEMS ON SMOOTH CONCRETE SURFACES SHALL PROVIDE CLASS PS SP RESISTANCE RATING IN ACCORDANCE WITH AS/NZS 4586.
6. IN ORDER TO MEET THE ABOVE SP RESISTANCE CLASSIFICATIONS, THE FOLLOWING PAINT SYSTEM SHALL BE DEEMED ACCEPTABLE: DULUX ROADMASTER A1, COMPLETE WITH DULUX BROADCAST AGGREGATE NO. 36 BROADCAST AT 50G/m² APPLIED AS DIRECTED BY MANUFACTURER'S INSTRUCTIONS, (OR AN APPROVED SIMILAR FUNCTIONALLY EQUIVALENT PRODUCT)

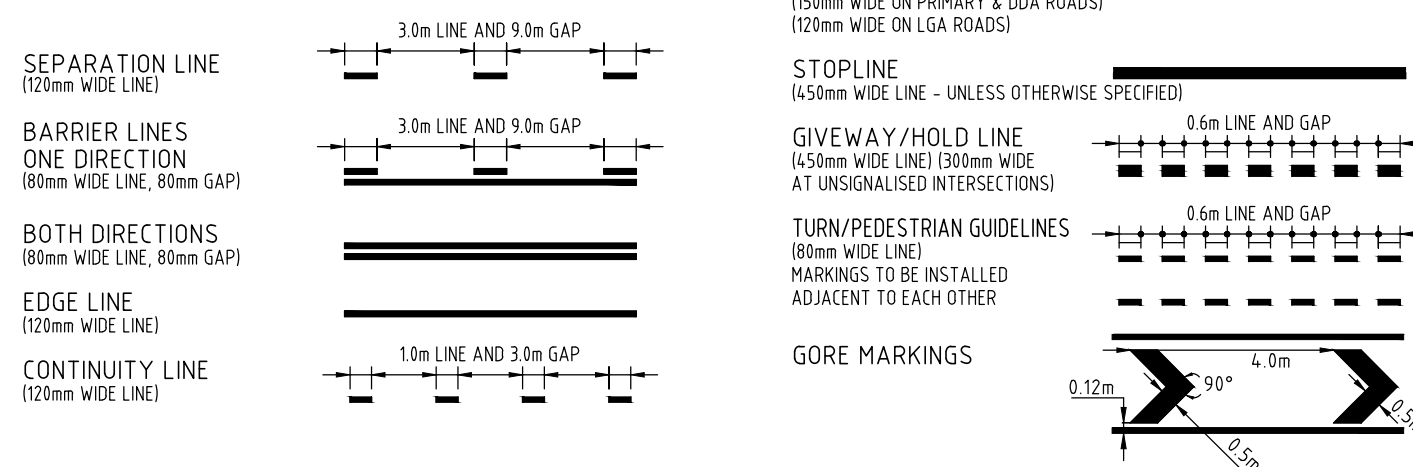
PAVEMENT LINE MARKING AND PAINTING

7. PARKING AREAS SHALL BE MARKED WITH 100mm white LINES UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH AS/NZS 2890 AND AS 1742.11.
8. PARKING BAYS FOR PERSONS WITH DISABILITIES SHALL BE DESIGNATED IN ACCORDANCE WITH AS/NZS 2890.6 AND AS 1742.11.
9. DIRECTIONAL ARROWS SHALL BE WHITE UNLESS OTHERWISE NOTED AND IN COMPLIANCE WITH AS/NZS 2890.1.
10. ALL PAVEMENT MARKING TEXT SHALL BE IN COMPLIANCE WITH AS 1742.11.
11. LINE MARKING SHALL ALSO INCLUDE THE MARKING OF TEXT, DIRECTIONAL ARROWS AND OTHER MARKINGS AS REQUIRED THROUGHOUT THE SITE IN ACCORDANCE WITH ANY REQUIREMENTS OF THE LOCAL APPROVING AUTHORITY (E.G. AS PER COUNCIL REQUIREMENTS PROVIDED WITH DEVELOPMENT APPROVAL CONDITIONS).



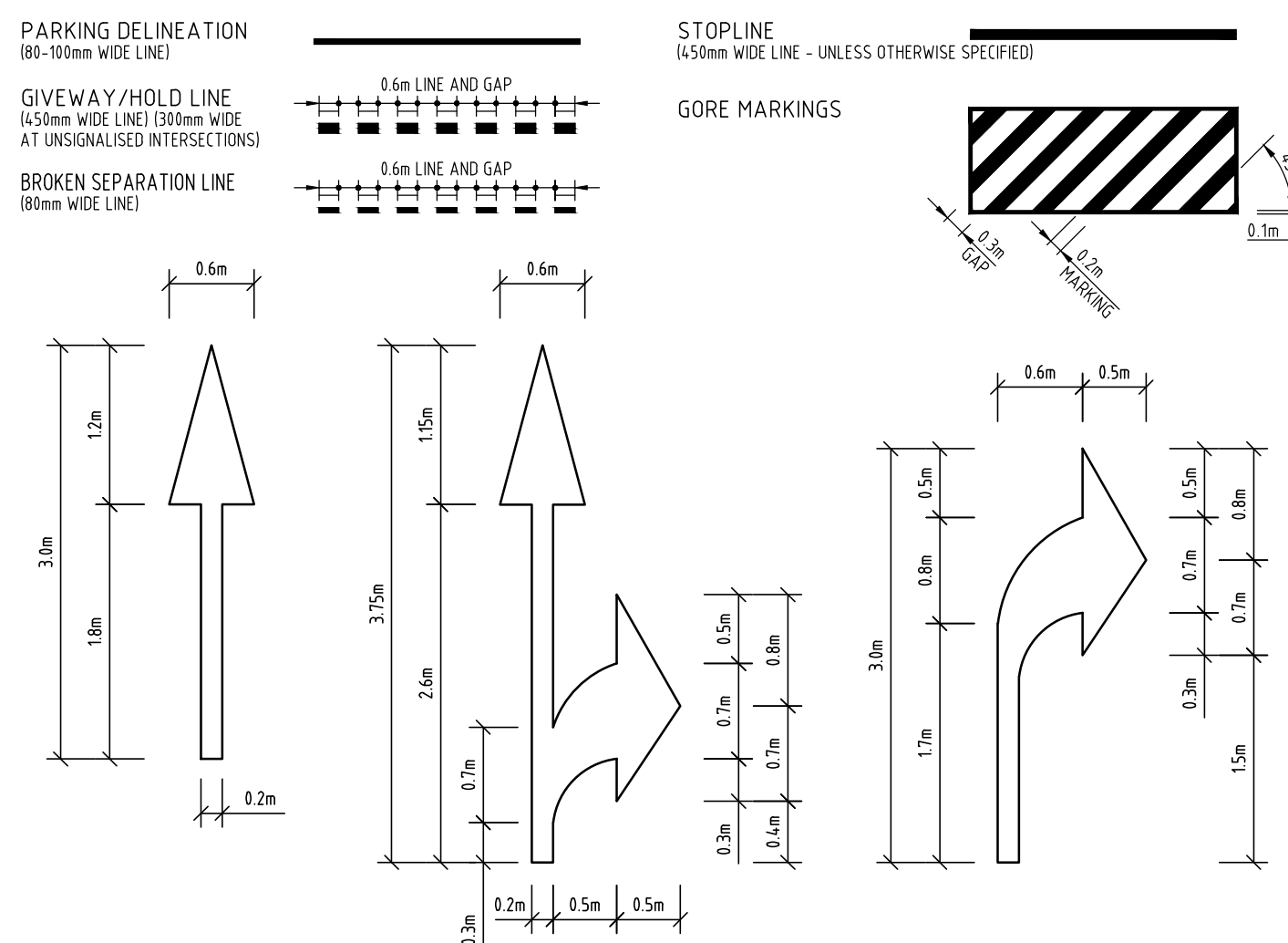
ROAD MARKING CONSTRUCTION DETAILS

1. ALL LINEMARKINGS TO BE "4 YEAR LIFE" MATERIAL FOR ARTERIAL ROADS
2. ALL LINEMARKINGS TO BE APPLIED WITH GLASS BEADS.



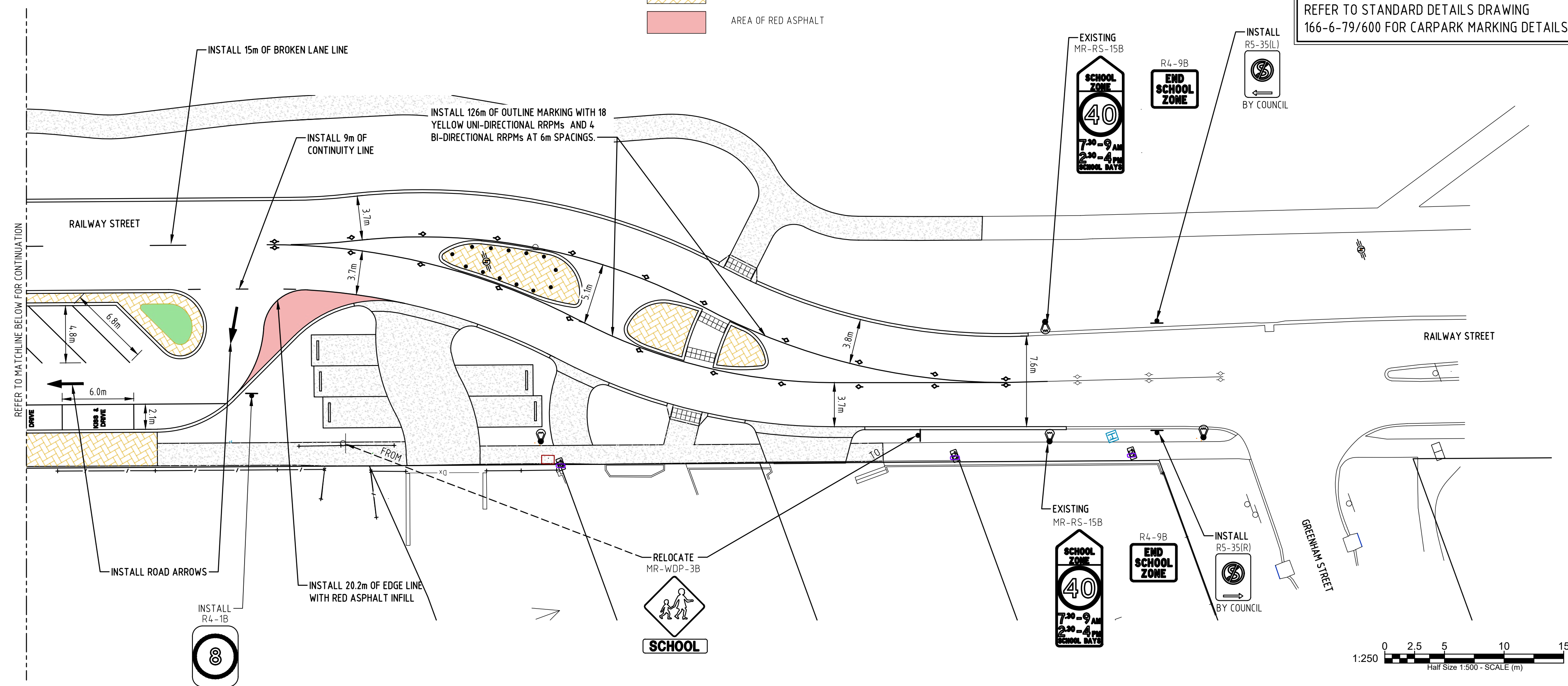
CAR PARKING PAVEMENT MARKING CONSTRUCTION DETAILS

1. ALL LINEMARKINGS TO BE "4 YEAR LIFE" MATERIAL
2. ALL LINEMARKINGS TO CONSTRUCTED TO AS/NZS 28901:2004



PAVEMENT DIRECTION ARROWS

SCALE : 1:50



PROJECT:

RAILWAY ST REALIGNMENT NORTH COTTESLOE P.S.

| | |
|----|-----------|
| B | 29-7-2020 |
| A | 13-7-2020 |
| No | DATE |

| | |
|-------------------------------------|---------|
| ADDITIONAL PATH ADDED TO THE DESIGN | |
| PRELIMINARY PLOT FOR APPROVAL | REVISED |

| |
|-----|
| MJV |
| MJV |
| BY |

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CLIENT:

TOWN OF COTTESLOE

DRAWING

SIGNS AND PAVEMENT MARKING LAYOUT

STATUS: **FOR APPROVAL**

SCALE 1:250

DATE JULY 2020

DESIGN

2008.01.14

| | |
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| DRAWN | |
|-------|--|

DRAWING No.

20-4-53/430

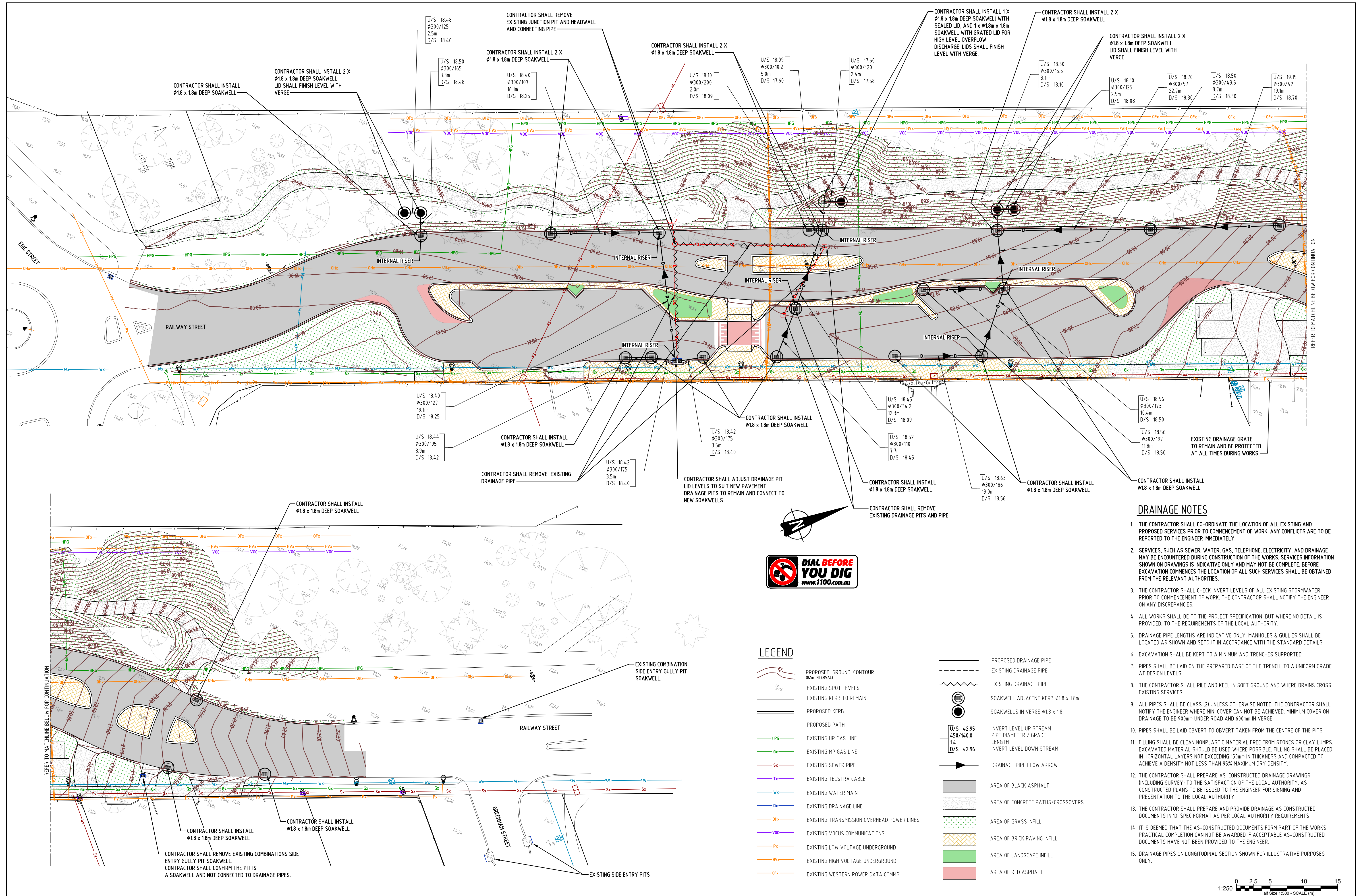
5. (3) ACTUARY PROJECTION: 20.9% (52) AGING: 20.52 (34) A

FILE NAME S:\ACTIVE PROJECTS\20-04-053\ACAD\20453-430.dwg

APP'D

| | |
|----------|-----------------------------|
| REV No. | ORIGINAL DRAWING SIZE |
| B | A1 |

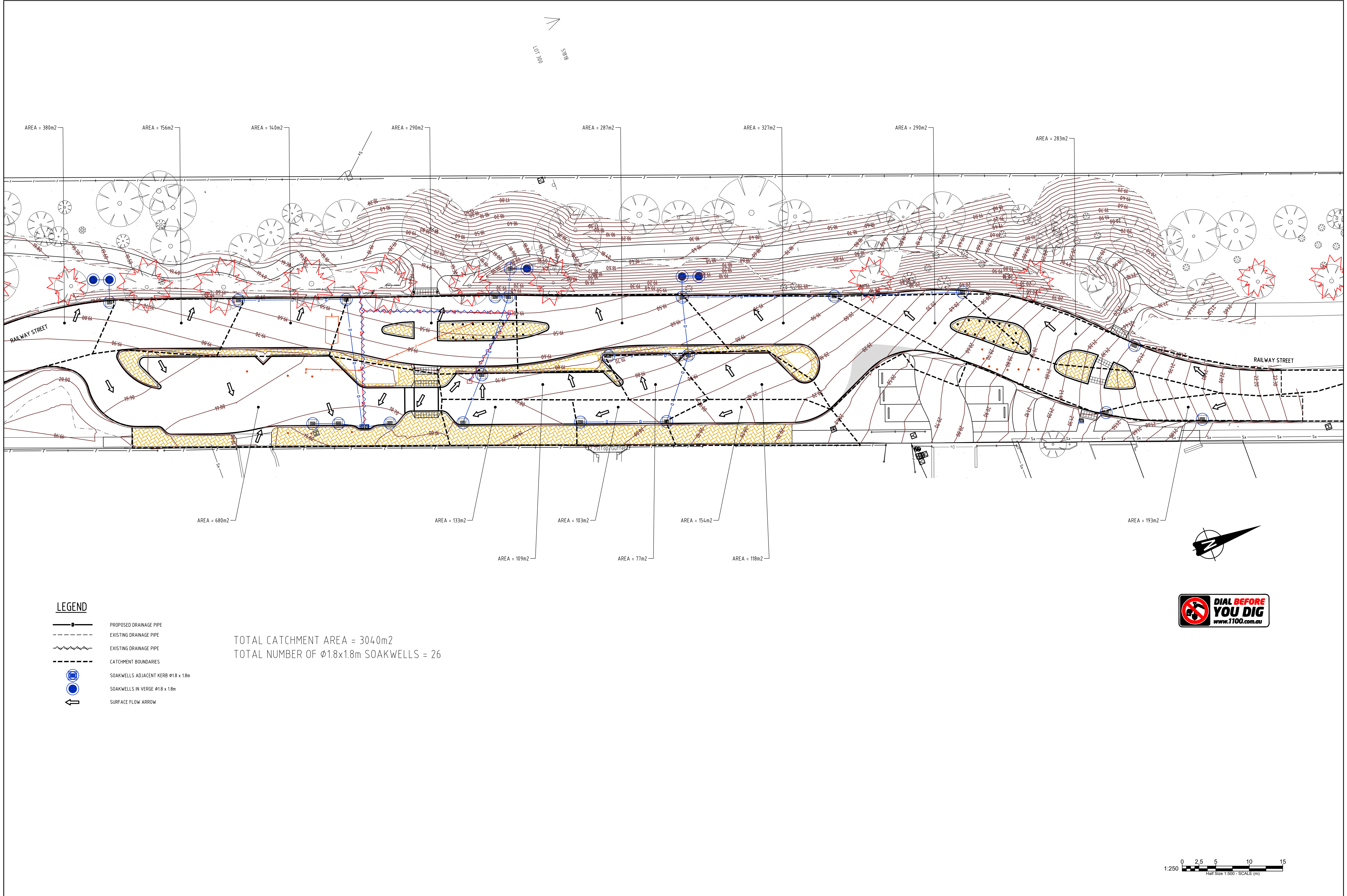




DRAINAGE NOTES

1. THE CONTRACTOR SHALL CO-ORDINATE THE LOCATION OF ALL EXISTING AND PROPOSED SERVICES PRIOR TO COMMENCEMENT OF WORK. ANY CONFLICTS ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
2. SERVICES, SUCH AS SEWER, WATER, GAS, TELEPHONE, ELECTRICITY, AND DRAINAGE MAY BE ENCOUNTERED DURING CONSTRUCTION OF THE WORKS. SERVICES INFORMATION SHOWN ON DRAWINGS IS INDICATIVE ONLY AND MAY NOT BE COMPLETE. BEFORE EXCAVATION COMMENCES THE LOCATION OF ALL SUCH SERVICES SHALL BE OBTAINED FROM THE RELEVANT AUTHORITIES.
3. THE CONTRACTOR SHALL CHECK INVERT LEVELS OF ALL EXISTING STORMWATER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER ON ANY DISCREPANCIES.
4. ALL WORKS SHALL BE TO THE PROJECT SPECIFICATION, BUT WHERE NO DETAIL IS PROVIDED, TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.
5. DRAINAGE PIPE LENGTHS ARE INDICATIVE ONLY, MANHOLES & GULLIES SHALL BE LOCATED AS SHOWN AND SETOUT IN ACCORDANCE WITH THE STANDARD DETAILS.
6. EXCAVATION SHALL BE KEPT TO A MINIMUM AND TRENCHES SUPPORTED.
7. PIPES SHALL BE LAID ON THE PREPARED BASE OF THE TRENCH, TO A UNIFORM GRADE AT DESIGN LEVELS.
8. THE CONTRACTOR SHALL PILE AND KEEL IN SOFT GROUND AND WHERE DRAINS CROSS EXISTING SERVICES.
9. ALL PIPES SHALL BE CLASS (2) UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHERE MIN. COVER CAN NOT BE ACHIEVED. MINIMUM COVER ON DRAINAGE TO BE 900mm UNDER ROAD AND 600mm IN VERGE.
10. PIPES SHALL BE LAID OBVERT TO OBVERT TAKEN FROM THE CENTRE OF THE PITS.
11. FILLING SHALL BE CLEAN NONPLASTIC MATERIAL, FREE FROM STONES OR CLAY LUMPS. EXCAVATED MATERIAL SHOULD BE USED WHERE POSSIBLE. FILLING SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 150mm IN THICKNESS AND COMPACTED TO ACHIEVE A DENSITY NOT LESS THAN 95% MAXIMUM DRY DENSITY.
12. THE CONTRACTOR SHALL PREPARE AS-CONSTRUCTED DRAINAGE DRAWINGS (INCLUDING SURVEY) TO THE SATISFACTION OF THE LOCAL AUTHORITY. AS CONSTRUCTED PLANS TO BE ISSUED TO THE ENGINEER FOR SIGNING AND PRESENTATION TO THE LOCAL AUTHORITY.
13. THE CONTRACTOR SHALL PREPARE AND PROVIDE DRAINAGE AS CONSTRUCTED DOCUMENTS IN 'D' SPEC FORMAT AS PER LOCAL AUTHORITY REQUIREMENTS
14. IT IS DEEMED THAT THE AS-CONSTRUCTED DOCUMENTS FORM PART OF THE WORKS. PRACTICAL COMPLETION CAN NOT BE AWARDED IF ACCEPTABLE AS-CONSTRUCTED DOCUMENTS HAVE NOT BEEN PROVIDED TO THE ENGINEER.
15. DRAINAGE PIPES ON LONGITUDINAL SECTION SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

0 2.5 5 10 15
1:250
Half Size 1:500 - SCALE (m)



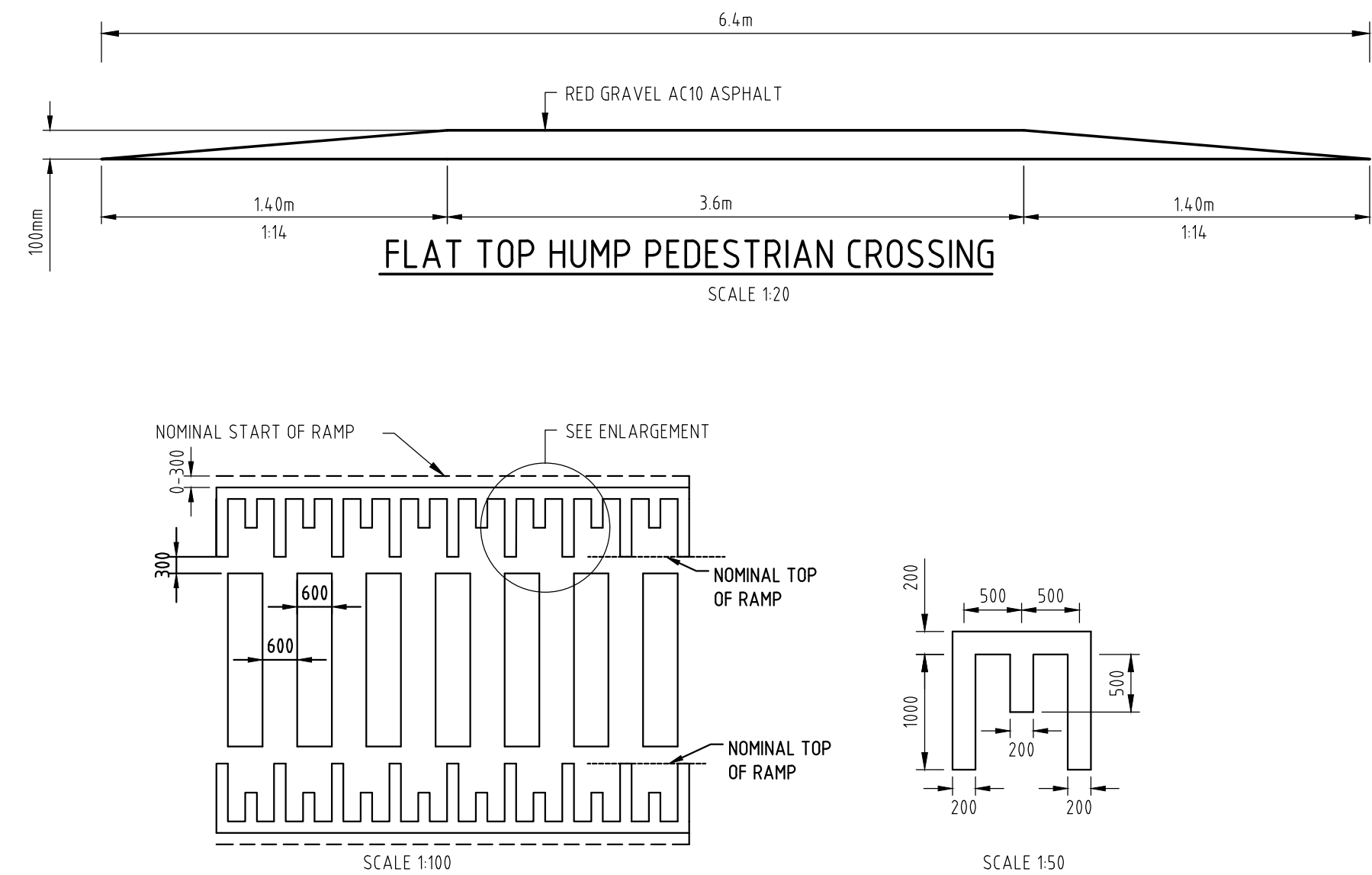
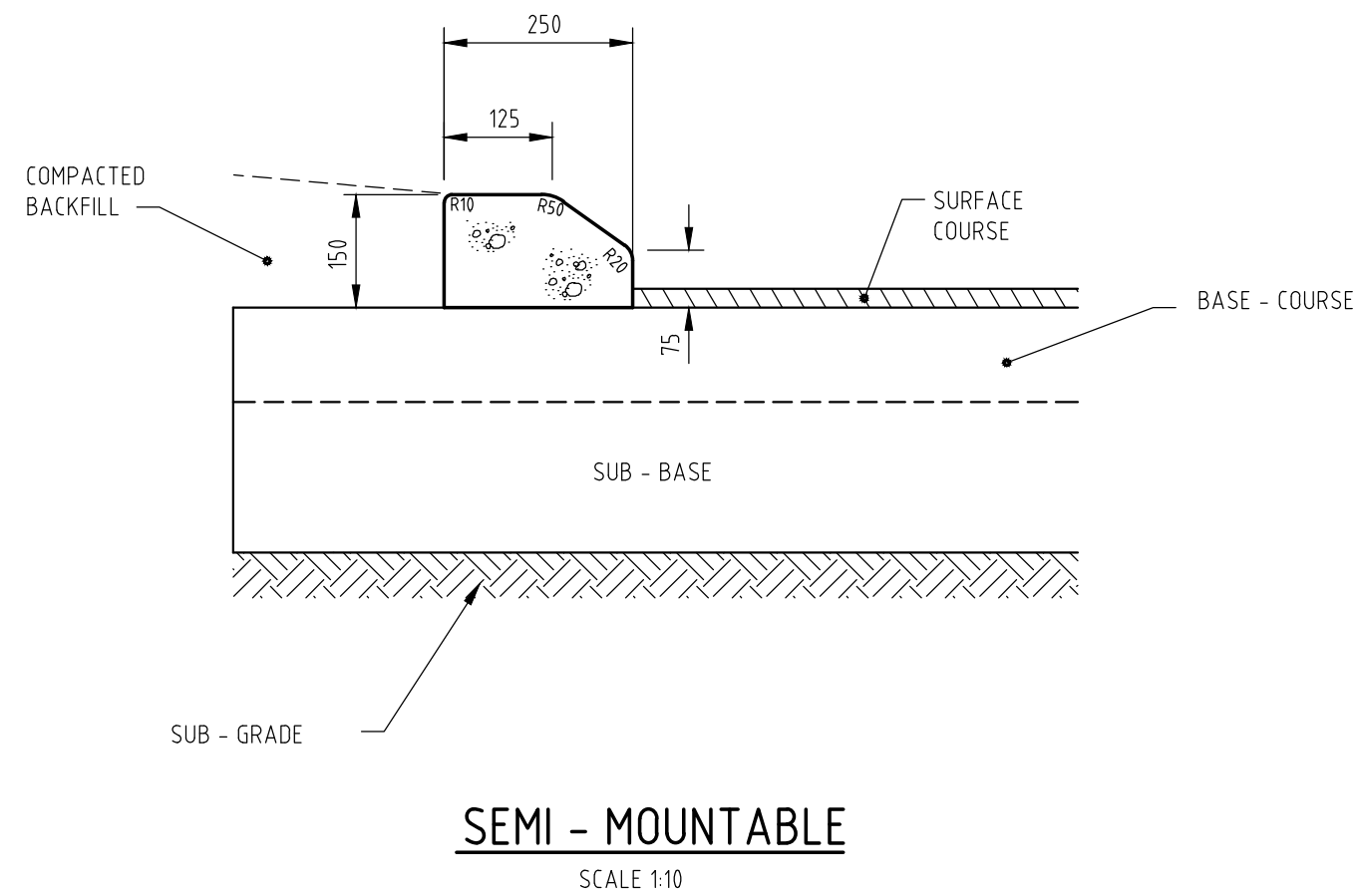
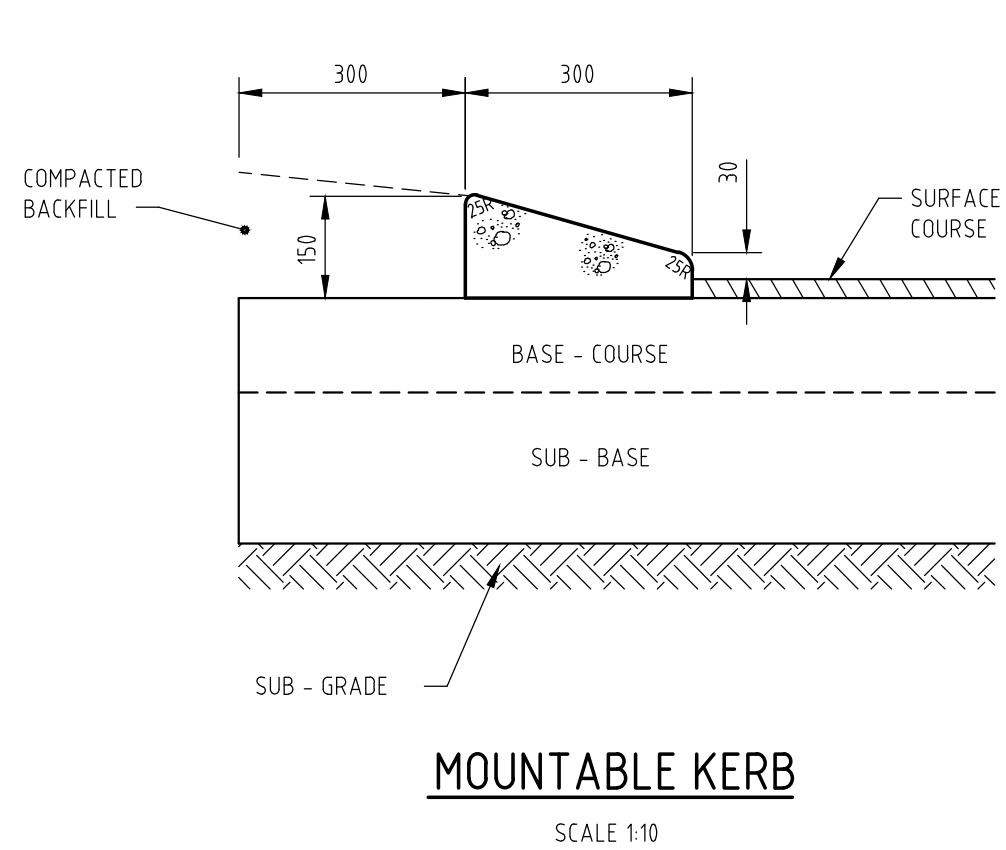
LEGEND

- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- CATCHMENT BOUNDARIES
- SOAKWELLS ADJACENT KERB $\phi 1.8 \times 1.8\text{m}$
- SOAKWELLS IN VERGE $\phi 1.8 \times 1.8\text{m}$
- SURFACE FLOW ARROW

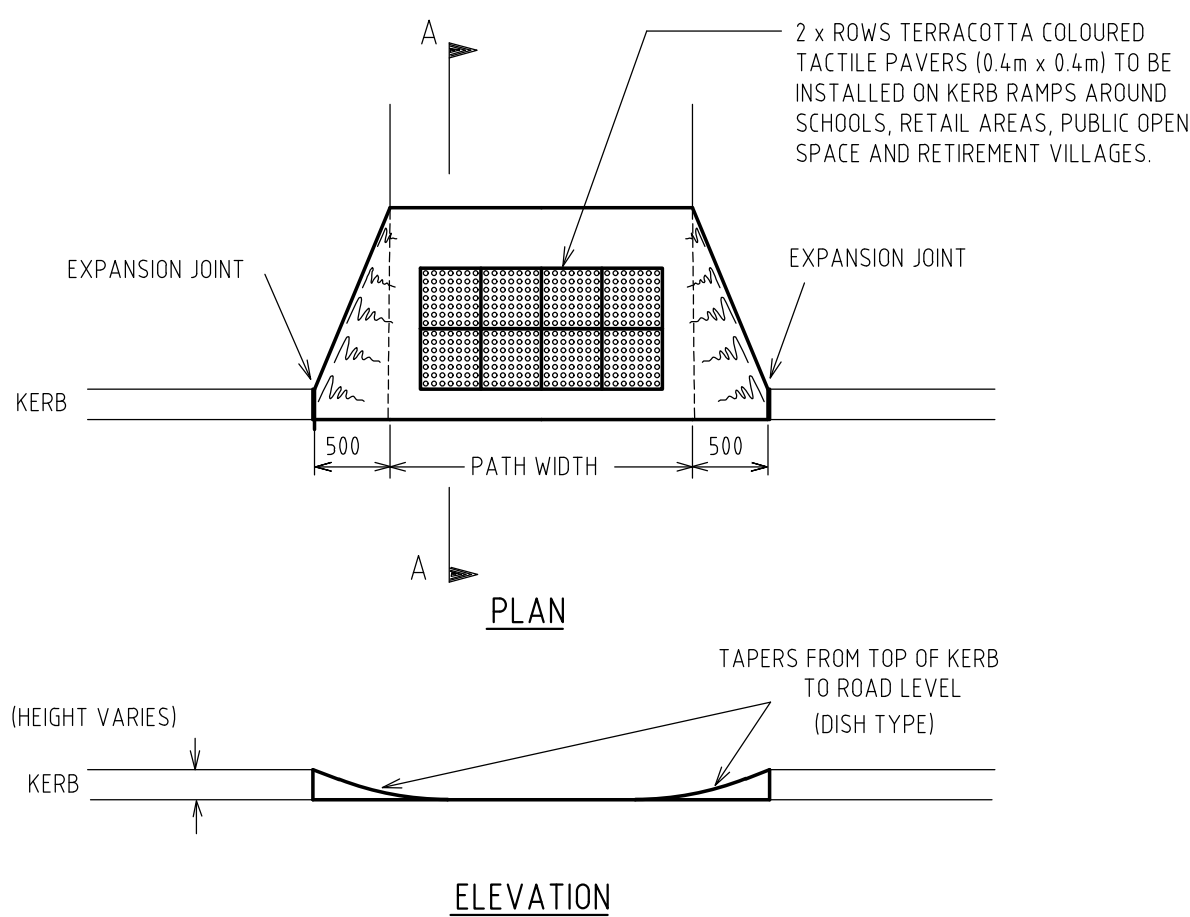
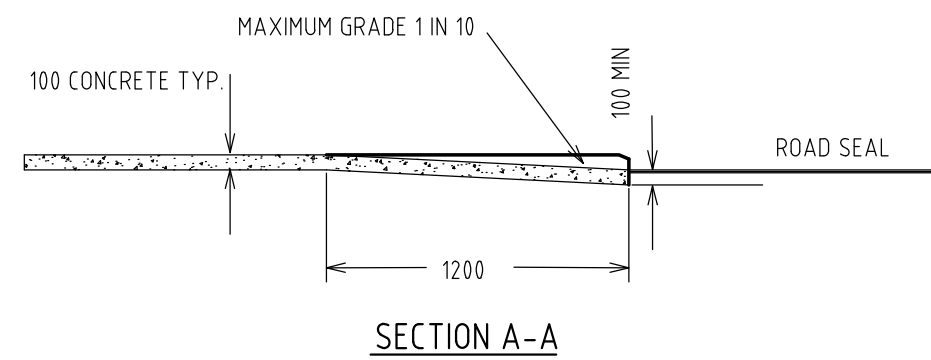
TOTAL CATCHMENT AREA = 3040m²
TOTAL NUMBER OF $\phi 1.8 \times 1.8\text{m}$ SOAKWELLS = 26



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|--|--|--|---|--|-------------------------------------|--|--|--|--|--|-----------------------------------|--|------------------------|--|
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| STATUS: FOR APPROVAL | | | PROJECT: RAILWAY ST REALIGNMENT NORTH COTTESLOE P.S. | | CLIENT: TOWN OF COTTESLOE | | DRAWING: DRAINAGE CATCHMENT PLAN | | SCALE: 1:250 DATE: JULY 2020 DESIGN: ELW DRAWN: MJV CHECK: | | DRAWING No: 20-4-53/501 | | REV No: B A1 | |
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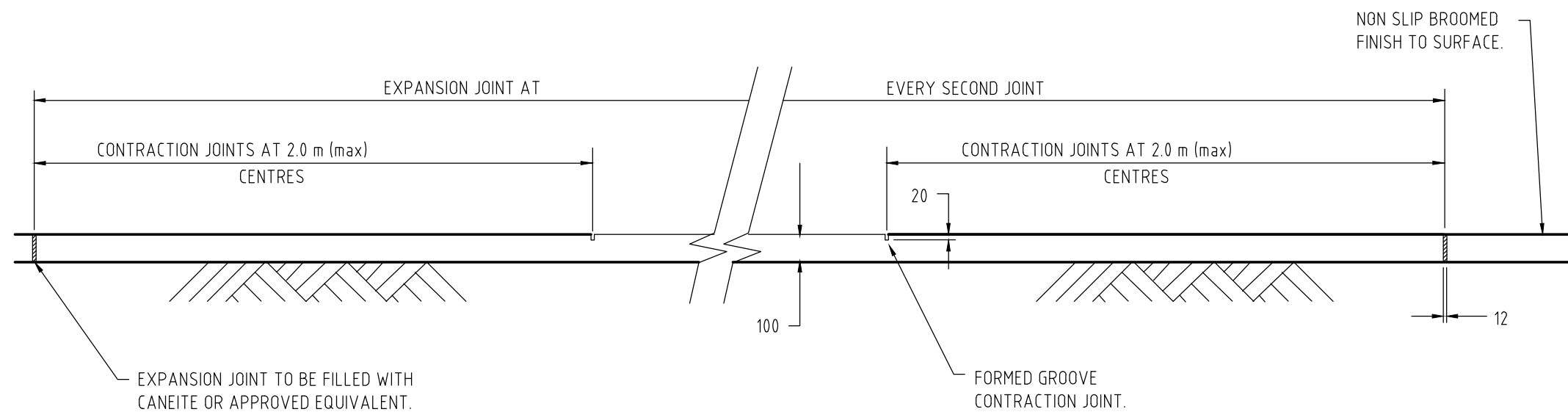


PAVEMENT MARKING DETAIL FOR PEDESTRIAN CROSSING
SCALE AS SHOWN



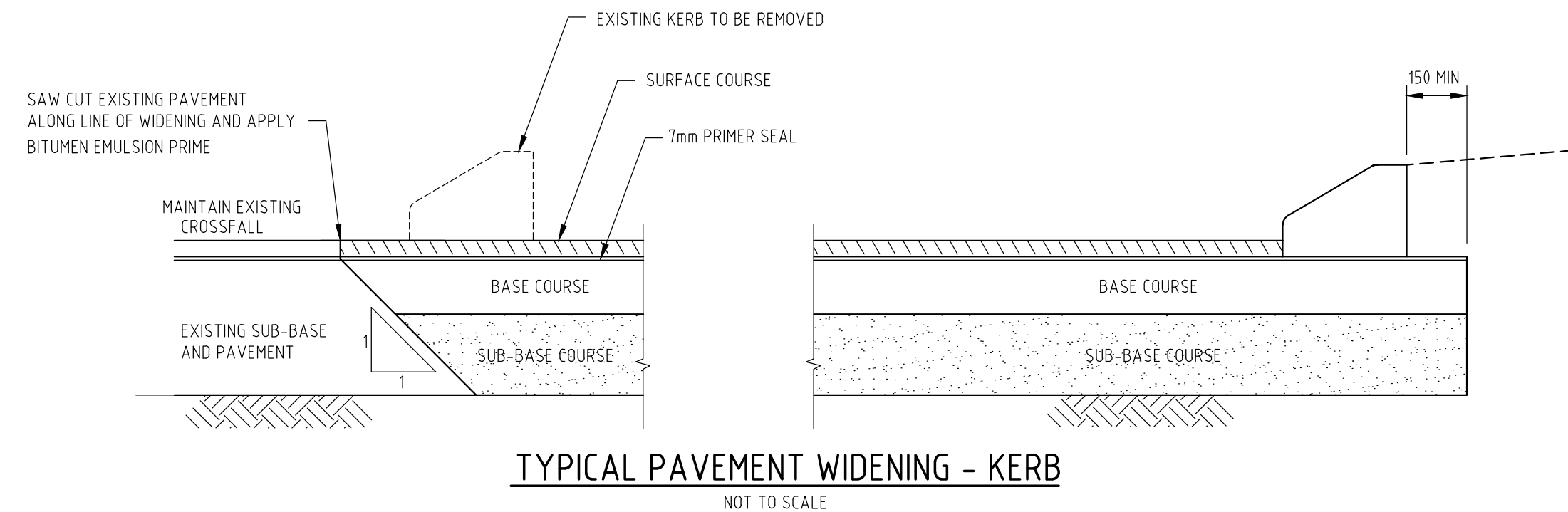
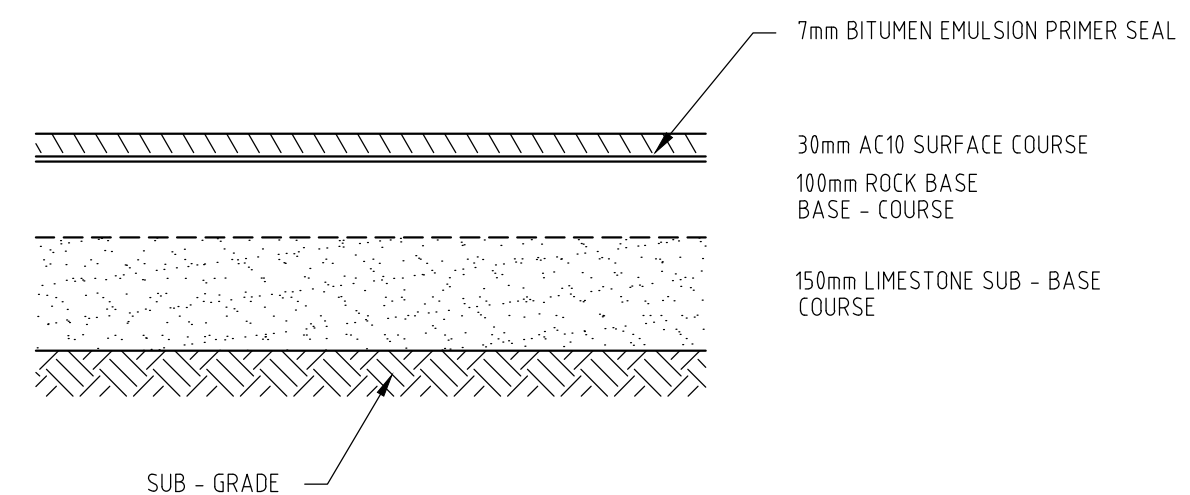
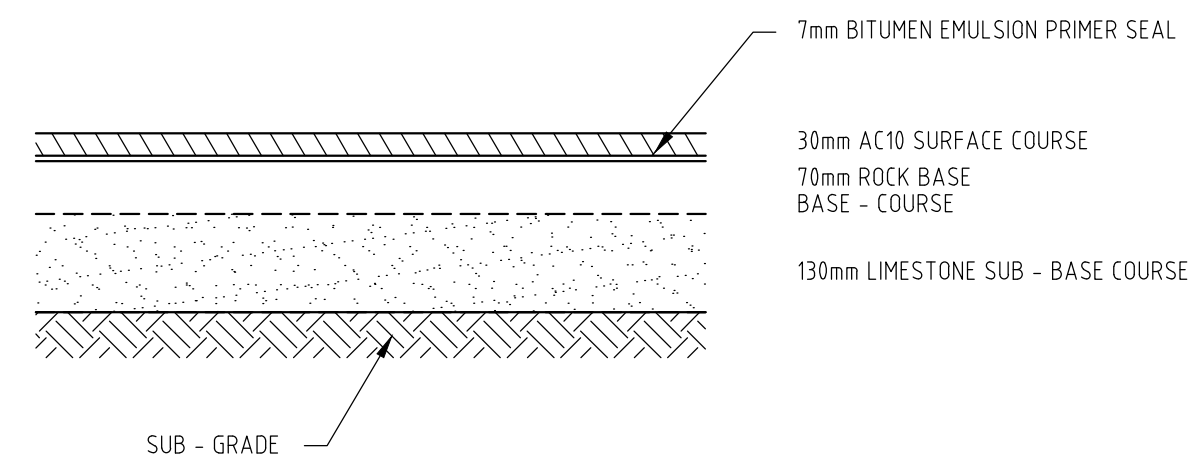
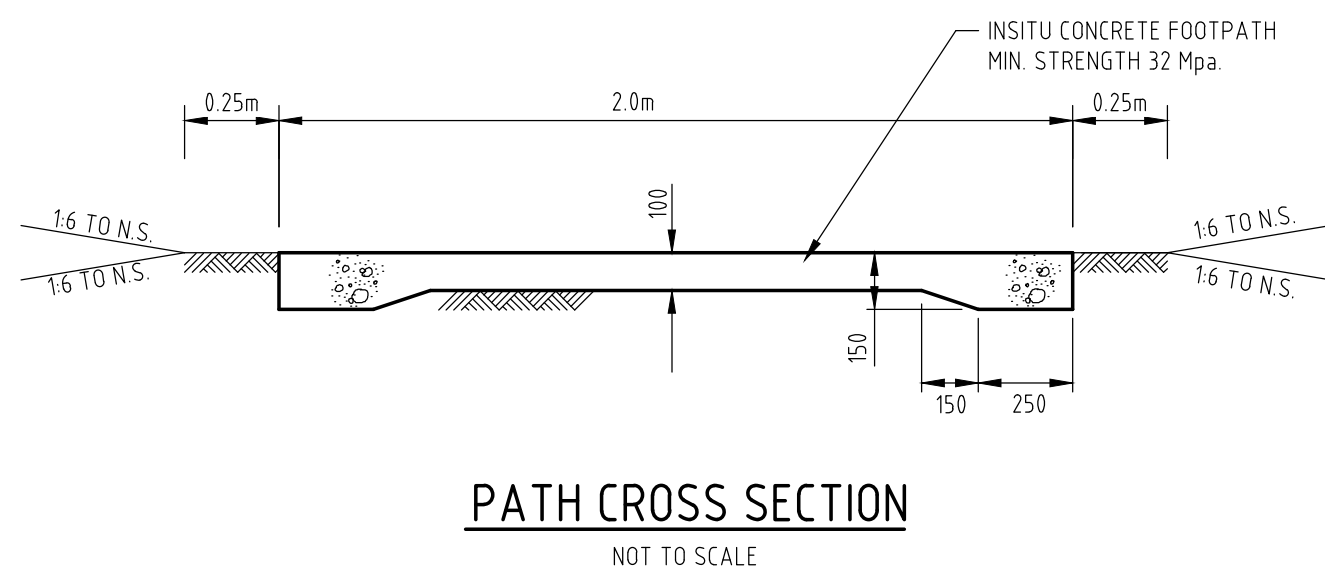
- NOTE - 1. EDGE OF RAMP SHALL BE FLUSH WITH ROAD PAVEMENT (ASPHALT OR SEAL).
2. ALL CONCRETE SHALL BE BROOM FINISHED TO PROVIDE A NON SLIP SURFACE.
3. HOLDING RAIL TREATMENT SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY.
4. ALL EDGES OF DUAL USE PATHWAYS, INCLUDING TRANSVERSE JOINTS ARE TO BE FINISHED USING A BULLNOSED TROWL.

CONCRETE PATH RAMP DETAILS
N.T.S.

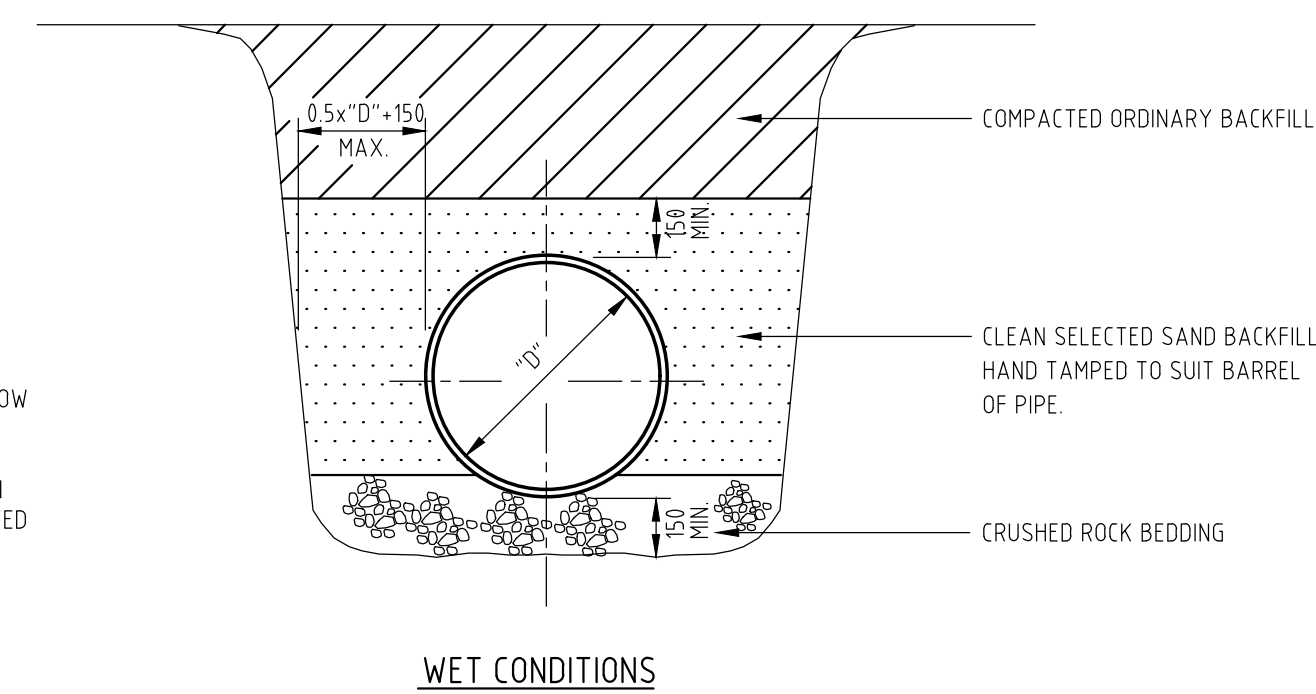
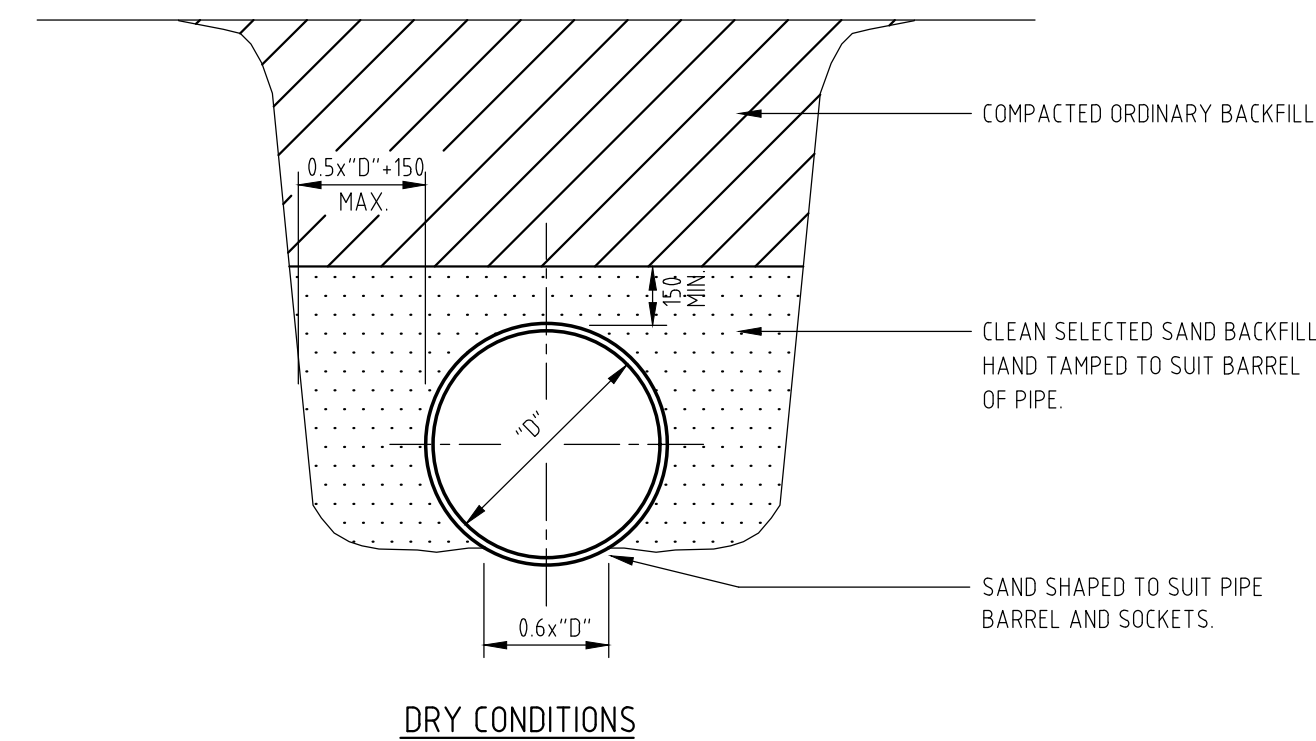
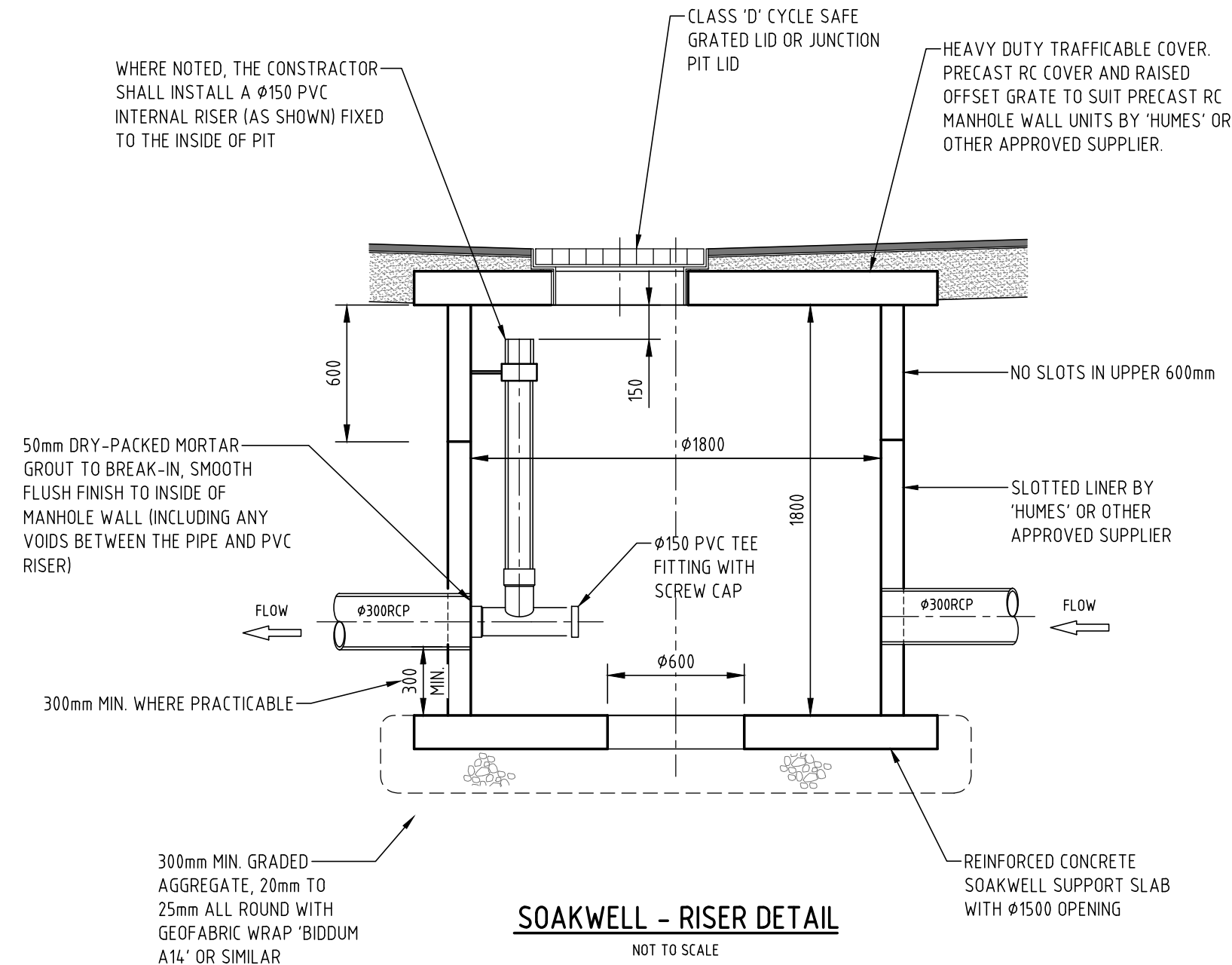
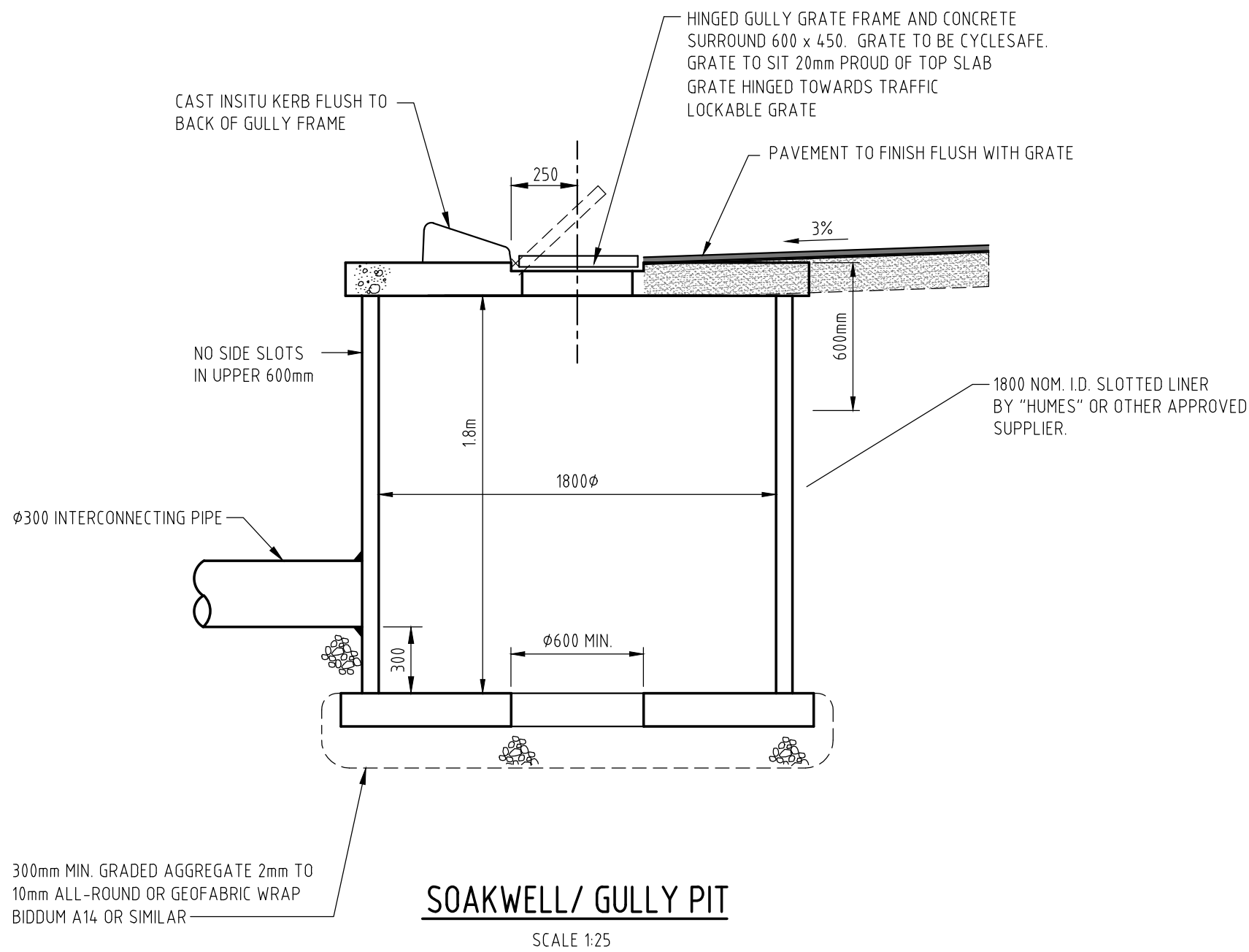
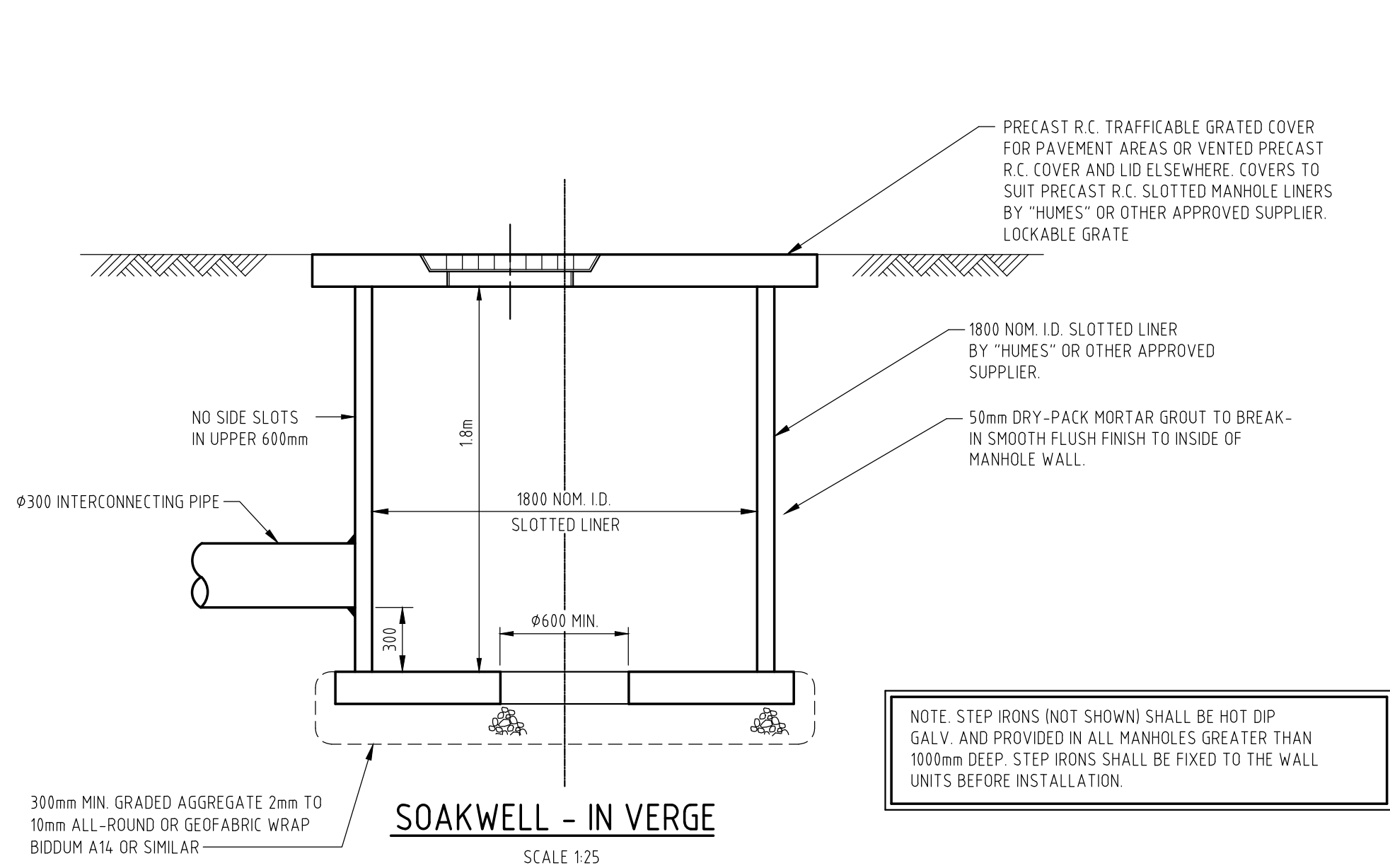


LONG SECTION THROUGH CAST INSITU PATH
SCALE 1:20

NOTE: WHERE PATH IS AGAINST EXTRUDED CONCRETE KERB, CONSTRUCTION AND EXPANSION JOINTS SHALL BE MATCHED.



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|--|--|--|-----------|--|---|--|---------|--|-------------------|--|----------|--|---------------------------|--|----------------------|--|-----------------|--|-----------------|--|-------------|--|------------|--|--------|--|--------|--|-------------------------|--|-----------|--|--------------------------|--|
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PIPE BEDDING NOTES

1. DRY CONDITIONS SHALL BE SAND SOIL WHERE THE MAXIMUM PREDICTED G.W.L. IS A MINIMUM 300mm BELOW PIPE INVERT.
2. WET CONDITIONS SHALL BE CONSIDERED AS BEING IN ROCK, CLAY OR SAND WHERE THE MAXIMUM PREDICTED G.W.L. IS HIGHER THAN 300mm BELOW PIPE INVERT.
3. SUB-SOIL DRAINAGE PIPES SHALL BE LAID WITH SLOTS DOWN.
4. WHERE PIPES ARE BEDDED ON CRUSHED ROCK, THE BEDDING CONDITION SHALL BE CARRIED PAST ALL MANHOLES, GULLIES & OTHER DRAINAGE STRUCTURES DOWNSTREAM.

PIPE BEDDING DETAILS

NOT TO SCALE

PROJECT:

**RAILWAY ST REALIGNMENT
NORTH COTTESLOE P.S.**

B 21-7-2020 DRAINAGE SOAKWELL WITH RISER ADDED TO DETAIL SHEET.
A 14-7-2020 PRELIMINARY PLOT FOR APPROVAL

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CLIENT:

TOWN OF COTTESLOE

DRAWING:

DRAINAGE STANDARD DETAILS

STATUS: **FOR APPROVAL**

SCALE AS SHOWN
DATE JULY 2020
DESIGN ELW
DRAWN MJV
CHECK

DRAWING No.

20-4-53/601

REV No.

B

ORIGINAL DRAWING SIZE

A1

FILE NAME S:\ACTIVE PROJECTS\20-04-053\ACAD\20-4-53-601.dwg

APP'D



