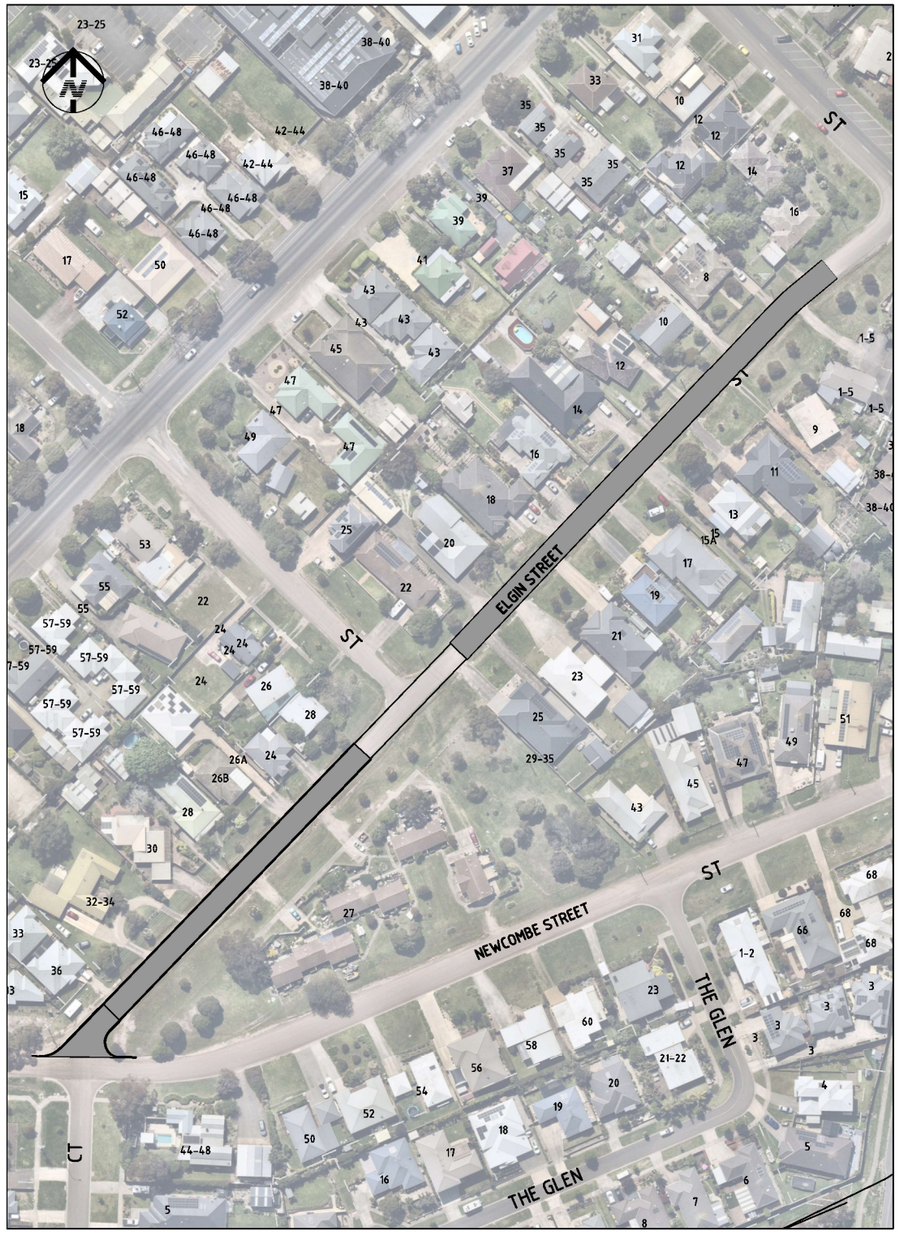
ELGIN STREET, DRYSDALE
SEALED ROAD CONSTRUCTION



NOTES

GENERAL

1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF GREATER GEELONG, INFRASTRUCTURE DESIGN MANUAL AND VIC ROADS.
2. ALL ROADWORKS SIGNAGE IS TO BE IN ACCORDANCE WITH VICROADS WORKSITE TRAFFIC MANAGEMENT CODE OF PRACTISE INCORPORATING AS 1742.3.
3. ALL WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE APPROVED CONSTRUCTION MANAGEMENT PLAN.
4. DURING THE CONSTRUCTION AND MAINTENANCE PERIOD SILT FENCES ARE TO BE PLACED DOWNSTREAM OF ALL EXPOSED AREAS, AND SILT BARRIERS ARE TO BE PLACED UPSTREAM OF ALL PITS. THE SILT FENCES AND SILT BARRIERS ARE TO BE CHECKED AND MAINTAINED UNTIL THE END OF THE MAINTENANCE PERIOD
5. BE RESPONSIBLE FOR THE COMPACTION TESTING OF THE PAVEMENT MATERIAL BY AN APPROVED GEOTECHNICAL CONSULTANT AS AND WHEN DIRECTED BY COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE
6. DO NOT SCALE DRAWINGS – USE ONLY DIMENSIONS PROVIDED ON PLANS. ALL DIMENSIONS ARE IN METRES (m) UNLESS OTHERWISE STATED. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.) IN METRES (m) UNLESS OTHERWISE STATED
7. EXISTING DRAINAGE AND UNDERGROUND SERVICES ARE TO BE LOCATED PRIOR TO THE COMMENCEMENT OF WORKS AND RELEVANT AUTHORITIES NOTIFIED. FOR SERVICE INFORMATION CONTACT "DIAL BEFORE YOU DIG" ON 1800 819101. ANY DAMAGE AND SUBSEQUENT REPAIRS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR IS TO ARRANGE FOR THE RELOCATION OF UNDERGROUND SERVICES IF REQUIRED, PRIOR TO THE COMMENCEMENT OF WORKS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADVISING THE WORKS SUPERINTENDENT AND THE C.F.A. OPERATIONS CENTRE OF THE RELOCATION OR ALTERATION OF ANY FIRE HYDRANTS WITHIN ONE WORKING DAY.
10. WHERE THE MANAGEMENT OF TRAFFIC DURING CONSTRUCTION REQUIRES REDUCED SPEED LIMITS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A TRAFFIC MANAGEMENT PLAN TO VICROADS, SOUTH WESTERN REGION, AND THE SUPERINTENDENT AND OBTAIN A MEMORANDUM OF CONSENT. THE APPLICATION MUST BE SUBMITTED 14 DAYS PRIOR TO THE INTENDED PLACEMENT OF THE SPEED LIMIT.
11. THE CONTRACTOR SHALL GIVE SEVEN (7) DAYS CLEAR NOTICE OF INTENTION TO COMMENCE WORKS TO THE AFFECTED RESIDENTS AND TO COUNCIL. THE CONTRACTOR IS TO ARRANGE FOR THE INSPECTION OF EXISTING PRIVATE PROPERTY AND THE ROADWAY, WHERE NECESSARY, TO ASSESS EXISTING DAMAGE. THE CONTRACTOR WILL BE LIABLE FOR THE REPAIR OF ANY NEW DAMAGE AS A RESULT OF THESE CONSTRUCTION WORKS.
12. ANY DIFFERENCES BETWEEN THE PLANS AND EXISTING CONDITIONS ARE TO BE REPORTED IMMEDIATELY TO THE WORKS SUPERINTENDENT.
13. ALL SURPLUS MATERIAL IS THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR TO THE SATISFACTION OF THE WORKS SUPERINTENDENT.
14. NO TREES ARE TO BE REMOVED OTHER THAN THOSE AS INDICATED ON THE PLANS.
15. THE CONTRACTOR IS TO TAKE EXTREME CARE WHEN EXCAVATING NEAR TREES TO AVOID ROOT DAMAGE. ANY REMOVAL (IF NOT INDICATED ON PLANS), TRIMMING OR ALTERATIONS TO EXISTING TREES MUST HAVE THE APPROVAL OF THE WORKS SUPERINTENDENT.
16. THE CONTRACTOR IS TO CAREFULLY REMOVE AND REINSTATE ANY STREET FURNITURE, SIGNS ETC., AS REQUIRED TO CARRY OUT THE WORKS. ALL NEW AND REINSTATED SIGNS TO BE INSTALLED IN GALVANISED STEEL SLEEVES.
17. THE CONTRACTOR IS TO REINSTATE THE EXISTING ROADWAY, DRIVEWAYS, FOOTPATHS, KERBS, FENCES ETC., TO COUNCIL STANDARDS AND DETAILS PROVIDED AND TO THE SATISFACTION OF THE WORKS SUPERINTENDENT.
18. ON THE COMPLETION OF WORKS, THE SITE IS TO BE CLEANED UP TO THE SATISFACTION OF THE WORKS SUPERINTENDENT.
19. ALL NATURE STRIPS ARE TO BE REINSTATED WITH 100mm MIN. DEPTH LOAM AND SEEDED TO THE SATISFACTION OF THE WORKS SUPERINTENDENT.
20. THE CONTRACTOR MUST COMPLY WITH THE OCCUPATIONAL HEALTH & SAFETY CODE OF PRACTICE 1997 ON CONFINED SPACES AND THE OCCUPATIONAL HEALTH AND SAFETY (CONFINED SPACES) REGULATIONS 1996.
17. SIGNING, LINEMARKING AND R.R.P.M'S ARE TO BE PLACED IN ACCORDANCE WITH AUSTROADS GUIDES TO TRAFFIC MANAGEMENT (ROAD AND INFRASTRUCTURE DESIGN). AS1742 (ROAD SIGNS AND MARKINGS).
18. NEW PEDESTRIAN KERB RAMPS AND TACTILE GROUND SURFACE INDICATORS (T.G.S.I.'s) ARE TO BE PLACED IN ACCORDANCE WITH VICROADS STANDARD DRAWING SD 2031H AND CHAPTER 21 OF VICROADS TRAFFIC ENGINEERING MANUAL VOL 2 "SIGNS AND MARKINGS".
19. NEW CONCRETE DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARD DRAWING.
20. WHERE LINE MARKING NEEDS TO BE REMOVED, THESE LINES ARE TO BE PERMANENTLY REMOVED EITHER BY GRINDING THE OLD LINES OFF OR BY PLACING A SEAL AND GRIT TREATMENT (USING THE 'FLOCON' SYSTEM) OVER THE UNWANTED LINES.

DRAINAGE

1. CONSTRUCT NEW DRAINAGE SYSTEMS AS SHOWN. REFER TO PIT SCHEDULE AND DRAINAGE LONG SECTIONS FOR ALL DRAINAGE DETAILS.
2. LOCATION, INVERT LEVELS AND ALIGNMENT OF EXISTING PITS AND PIPES AND SURFACE LEVELS ARE TO BE CONFIRMED BY THE CONTRACTOR AND PRIOR TO CONSTRUCTION.
3. PRE CAST PITS TO HAVE 100mm MIN. THICK WALLS AND CAST INSITU PITS TO HAVE 150mm THICK WALL UNLESS OTHERWISE STATED. CONCRETE FOR STORMWATER PITS IS TO HAVE A MINIMUM STRENGTH OF 32 Mpa AT 28 DAYS
4. WHERE DRAINAGE LINES EXIST BEHIND THE KERB AND CHANNEL SUBSOIL DRAINAGE IS NOT REQUIRED HOWEVER A 1m LENGTH OF SUBSOIL DRAIN INCLUDING FILTER SOCK IS REQUIRED BOTH SIDES OF DRAINAGE PITS

DRAINAGE (cont)

5. ALL PIPES TO BE CLASS 2 REINFORCED CONCRETE RUBBER RING JOINTED, UNLESS OTHERWISE STATED, LAID IN ACCORDANCE WITH COUNCIL SPECIFICATIONS. PIPE TRENCHES TO BE BACKFILLED TO DETAILS PROVIDED AND TO THE SATISFACTION OF THE WORKS SUPERINTENDENT.
6. ALL EXISTING PROPERTY STORMWATER OUTLETS WITHIN 3.0m OF UNDERGROUND DRAINAGE PIPES ARE TO BE CONNECTED. WHERE NO UNDERGROUND EXISTS TO THE KERB AND CHANNEL. CONNECTING DRAINS ARE TO BE LAID TO PROVIDE CONTINUOUS FALL TO THEIR POINT OF OUTLET. WHERE THIS IS NOT PRACTICAL DIRECTION IS TO BE SOUGHT FROM THE SUPERINTENDENT.
7. THE CONTRACTOR IS TO PROVIDE FOR FUTURE HOUSE DRAIN CONNECTIONS AS DIRECTED WHERE THERE IS VACANT LOTS OR THERE IS NOT AN EXISTING HOUSE CONNECTION. MULTIPLE CONNECTIONS MAY BE REQUIRED FOR LARGER ALLOTMENTS.
8. NEW DRAINAGE PITS ARE TO BE PLACED USING THE SET OUT CO-ORDINATES PROVIDED AND PROPERLY ALIGNED TO ENSURE THE FLOW IS GUIDED DIRECTLY TO THE OUTLET. IF THIS CANNOT BE ACHIEVED VERTICAL DEFLECTORS MUST BE PROVIDED.
9. THE CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF THE MINES (TRENCHES) REGULATIONS 1982 WHICH INCLUDES NOTIFICATION TO THE SECRETARY OF MINERALS AND ENERGY OF INTENTION TO WORK IN TRENCHES IN EXCESS OF 1.5m DEEP. A COPY OF THE NOTIFICATION, ON THE APPROVED FORM, IS TO BE RECEIVED BY COUNCIL'S WORKS SUPERINTENDENT. THREE (3) DAYS PRIOR TO THE COMMENCEMENT OF SUCH WORKS. A FOREMAN QUALIFIED AS A NOMINATED MINES MANAGER MUST BE IN ATTENDANCE AT ALL TIMES DURING THESE EXCAVATIONS.
10. ANCHOR BLOCKS TO COUNCIL STANDARD ARE TO BE PROVIDED ON ALL PIPELINES IN EXCESS OF 1 IN 10 (10%) GRADE AT A MIN. OF 9m INTERVALS.
11. ALL DRAINAGE PITS IN COUNCIL ROAD RESERVES, DRAINAGE RESERVES AND RECREATION RESERVES ARE TO HAVE LIDS THAT ARE, AT LEAST CLASS C (MEDIUM DUTY) IN ACCORDANCE WITH AUSTRALIAN STANDARD AS 3996. WHERE DRAINAGE PITS ARE PROPOSED WITHIN ROAD PAVEMENTS , OTHER TRAFFICABLE AREAS, OR PROPOSED JUST BEHIND BACK OF KERB WHERE THERE IS A LIKELIHOOD OF VEHICLES TRAVERSING OVER THE PIT, THE LID MUST BE AT LEAST CLASS D (HEAVY DUTY TRAFFIC GATIC TYPE OR SIMILAR) IN ACCORDANCE WITH AUSTRALIAN STANDARD AS 3996.
12. ALL PIPES UNDER ROADS, FOOTPATHS, DRIVEWAYS AND BEHIND BACK OF KERB SHALL BE BACKFILLED WITH 20mm NOM SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 95% MODIFIED COMPACTION IN 150mm MAXIMUM LAYERS
13. PIPEWORK AT ALL PITS TO BE WELL ALIGNED TO ENSURE FLOW IS GUIDED DIRECTLY TO OUTLET PIPE.
14. ALL PIPELINES DEEPER THAN 1.5m AND ALL CURVED PIPELINES ARE TO BE INSPECTED VIA REMOTE CAMERA AT THE END OF THE MAINTENANCE PERIOD AT THE CONTRACTORS' EXPENSE AND UNDER THE SUPERVISION OF SUPERINTENDANT.
15. WHEN USING 150mm DIAMETER UPVC PIPES ALL HOUSE DRAINS ARE TO BE CONNECTED USING STANDARD T-PIECE FITTINGS.
16. WHEN USING 225mm DIAMETER OR LARGER UPVC PIPES, HOUSE DRAINS ARE TO BE CONNECTED IN A SIMILAR WAY USING "CONCONNECT" OR OTHER APPROVED WITH THE INLET BEING CORE DRILLED.

CONCRETE

1. ALL CONCRETE WORKS SHALL BE IN ACCORDANCE WITH COGG STANDARDS AND INFRASTRUCTURE DESIGN MANUAL (IDM) UNLESS OTHERWISE STATED. CONCRETE FINISH & QUALITY REFER TO COGG STANDARDS DESIGN NOTE 12.
2. REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1304 AND SHALL BE CONTINUOUS BETWEEN WALLS, SLABS AND COPING BEAMS. CORNER RETURNS REINFORCEMENT MAY BE FABRIC OR EQUIVALENT BARS. LAPS TO BE 300mm MIN. FOR FABRIC AND BARS. CLEAR COVER TO BE 50mm MIN.
3. REINFORCEMENT BARS SHALL COMPLY WITH AS 1302, GRADE 500N. CLEAR COVER TO BE 50mm MIN. LAPS TO BE 25 TIMES BAR DIAMETER. ALL REINFORCEMENT USED IN CONCRETE WORKS FOR FOOTPATH DRIVEWAYS AND ROADS IS TO BE ADEQUATELY SUPPORTED BY APPROPRIATE SIZED BAR CHAIRS PRIOR TO THE POURING/PLACEMENT OF CONCRETE
4. EXPOSED CONCRETE EDGES TO HAVE 20mm CHAMFER.
5. ALL KERB & CHANNEL CONCRETE SHALL HAVE A CEMENT CONTENT OF AT LEAST 320kg/m3. ALL OTHER CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 32MPa MIN. AT 28 DAYS.
6. THE LOCATION OF HOUSE DRAINS (H) AND SERVICE CONDUITS (W, G, T, AND E) ARE TO BE NEATLY ETCHED ON THE KERB FACE WITH 50mm HIGH LETTERS.
7. TESTING AND ASSESSMENT OF CONCRETE TO BE IN ACCORDANCE WITH AS 3600 – CONCRETE STRUCTURES.
8. ALL WALLS SHALL BE SUITABLY PROPPED DURING & AFTER PLACEMENT AND AFTER COMPACTION OF BACKFILL. PROPS SHALL ONLY BE REMOVED AFTER COPING BEAMS, SLABS AND WALLS HAVE BEEN POURED AND CURED FOR 7 DAYS MIN. BACKFILL NEXT TO WALLS TO BE LIGHTLY COMPACTED ONLY.
9. DOWELS SHALL BE INSERTED TO A DEPTH OF 80% INTO PRE DRILLED HOLES OF NOMINAL DIAMETER 2mm GREATER THEN DOWEL DIAMETER.

CONCEPT PLANS

VER	APPD.	DATE	AMENDMENT	VER	APPD.	DATE	AMENDMENT
PA		13/12/2024	PRELIMINARY ISSUE				

13/12/2024 2:47 PM

REFERENCES:
Co-ordinate datum MGA 94 ZONE 55
Level datum AHD
Directory MELWAY Map 456 J11
Cad File & Ext. 2024039 - ELGIN STREET

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Designed: J.AMARASURIYA Date: 13/12/2024
Checked: ANDY WARD Date: 13/12/2024
Co-ordinator: B.WALL Date: 13/12/2024
Registered Engineer Date:
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SIZE:

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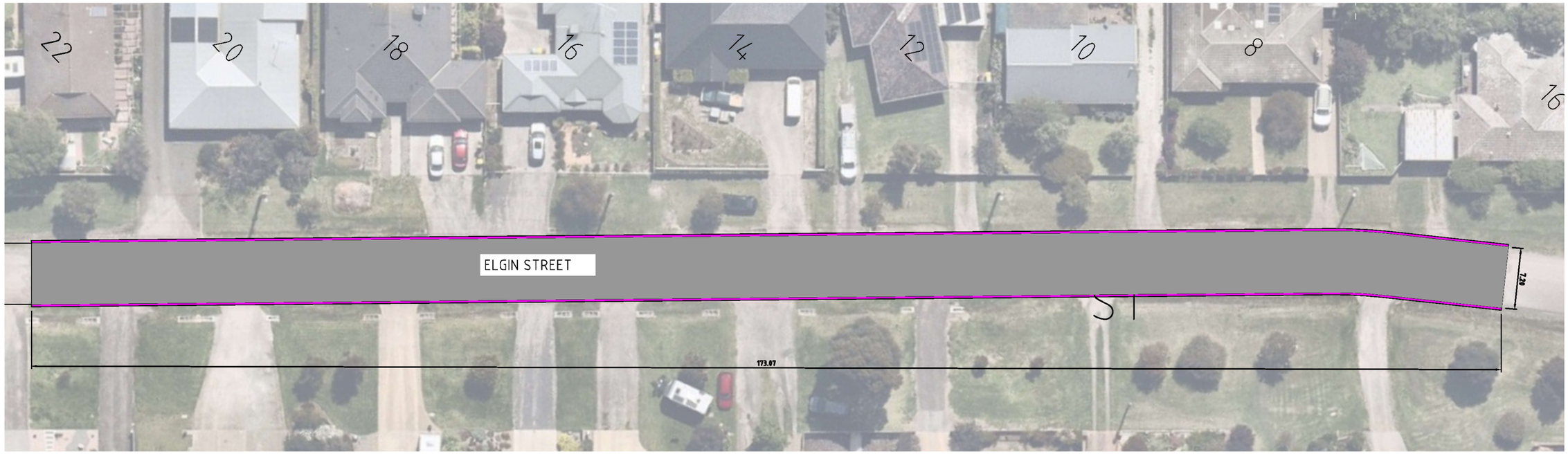
PROJECT TITLE:
ELGIN STREET, DRSDALE
ROAD UPGRADE

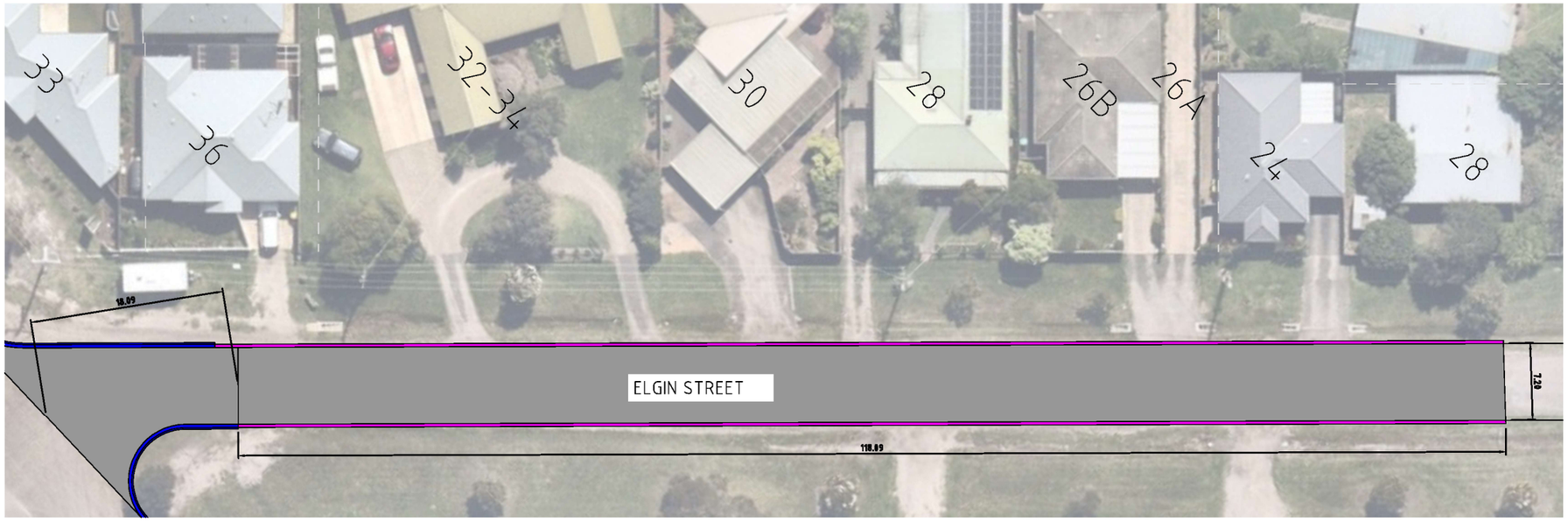
DRAWING TITLE:
UNSEALED ROAD TO ASPHALT ROAD UPGRADE
LACALITY & GENERAL NOTES

PROJECT No. PENDING
DRAWING No. 2023039
REVISION No. PA
SHEET 01 OF 02



CONCEPT LAYOUT PLAN – ELGIN STREET – NORTH OF INTERSECTION

SCALE: 1:250



CONCEPT LAYOUT PLAN – ELGIN STREET – SOUTH OF INTERSECTION

SCALE: 1:250

WARNING
UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED ON SITE PRIOR TO COMMENCING WORK

LEGEND

- CONCRETE EDGE STRIP AS PER IDM SD100
- 150mm COMPACTED DEPTH CRUSHED ROCK VERGE
- 40MM ASPHALT WEARING COURSE 300mm MIN COMPACTED DEPTH CLASS 2 20mm FCR
- B2 BARRIER KERB AS PER IDM SD100

CONCEPT PLANS

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PROJECT TITLE: ELGIN STREET, DRSDALE ROAD UPGRADE

DRAWING TITLE: UNSEALED ROAD TO ASPHALT ROAD UPGRADE LAYOUT PLAN

PROJECT No. PENDING
DRAWING No. 2023039
REVISION No. PA
SHEET 02 OF 02