

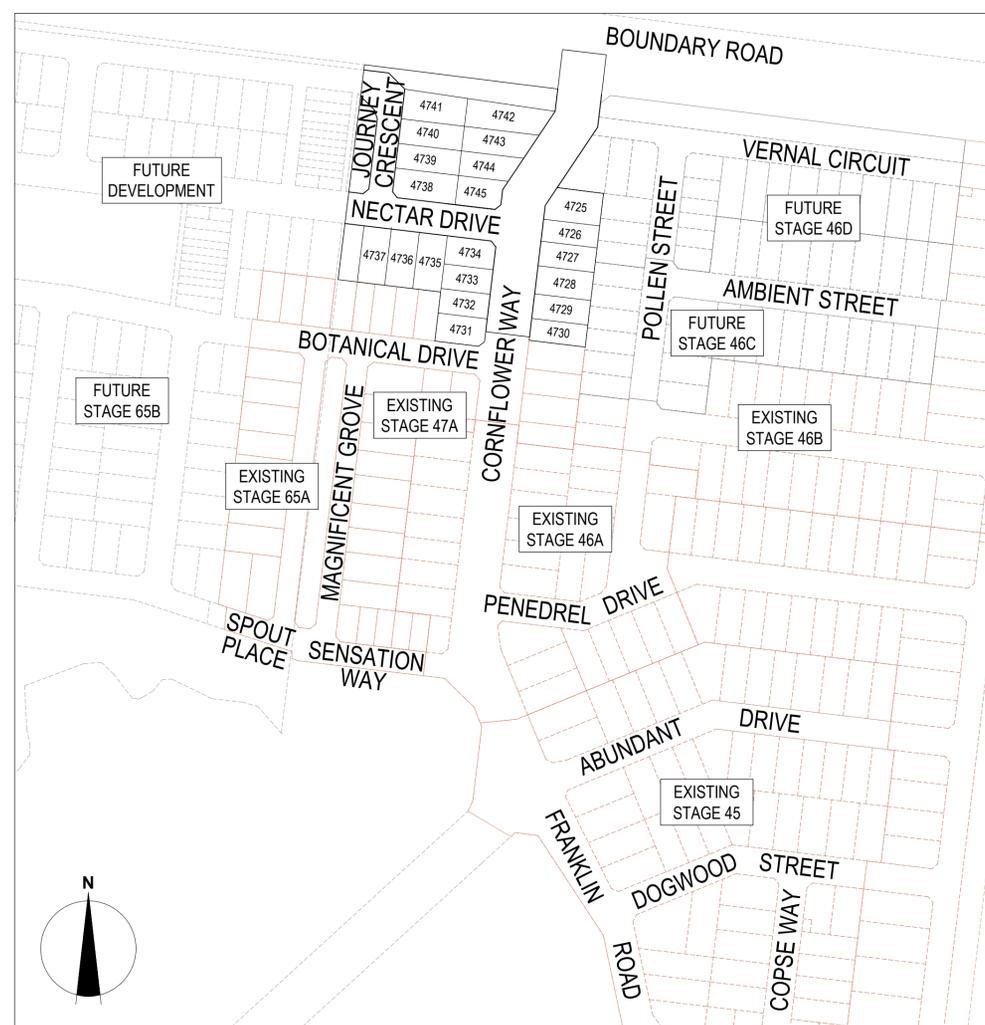
ARMSTRONG

STAGE 47B

CITY OF GREATER GEELONG

GENERAL NOTES:

- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
- THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
- THE CONTRACTOR SHALL:
 - COMPLY WITH THE "SAFETY PRECAUTIONS IN TRENCHING OPERATIONS" (CODE OF PRACTICE No.8, 1998)
 - NOTIFY WORK SAFE OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
- THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- REDGUM TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED IN ACCORDANCE WITH COUNCIL'S PLANNING PERMIT. NO EXCAVATION SHALL BE CARRIED OUT WITHIN THE TREE PROTECTION ZONE OF ANY EXISTING TREE WITHOUT WRITTEN APPROVAL FROM COUNCIL'S ENVIRONMENT DEPARTMENT.
- ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHHEADS, WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS, WRITTEN DIMENSIONS ONLY SHALL BE USED.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
- ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES TO BE STRIPPED OF TOPSOIL AND STOCKPILED PRIOR TO EARTHWORKS COMMENCING. THESE AREAS SHALL BE RESURFACED WITH A 150mm LAYER OF TOPSOIL AS SPECIFIED.
- NO TOPSOIL TO BE REMOVED FROM SITE.
- NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT.
- FILLING ON ALLOTMENTS AND UNDER ROAD PAVEMENTS TO HAVE LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-1996. INDIVIDUAL LOT CERTIFICATES ARE TO BE PROVIDED TO THE SUPERINTENDENT.
- FILLING UNDER DRIVEWAYS AND FOOTPATH IS TO BE APPROVED BY THE SUPERINTENDENT AND CONSTRUCTED IN LAYERS 150mm DEPTH. COMPACTION ACHIEVING A MINIMUM DENSITY RATIO OF 98% (STANDARD) IN ACCORDANCE WITH AS1289 CLAUSE 5.1.1.
- CUT AND FILL BATTER SLOPES ARE NOT TO EXCEED 1 in 6 UNLESS SHOWN OTHERWISE.
- ALL DRAINAGE PIPES ARE TO BE SPIGOT-SOCKET RUBBER RING JOINTED UNLESS STATED OTHERWISE.
- ALL DRAINAGE TRENCHES UNDER PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL, SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILIZED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
- PROPERTY INLETS AS PER INFRASTRUCTURE DESIGN MANUAL (IDM) STANDARD DRAWING SD 520 ARE TO BE LOCATED 1.0m FROM LOW SIDE BOUNDARY UNLESS SHOWN OTHERWISE.
- ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED NO CLOSER THAN 6.0m FROM THE SIDE BOUNDARY OR FROM EASEMENT ALONG THE SIDE BOUNDARY UNLESS NOTED OTHERWISE AND CONNECTED DIRECTLY TO UNDERGROUND DRAIN OR PIT. HOUSE DRAIN LOCATION TO BE MARKED (50mm STAMPED IMPRESSION) ON THE TOP OF THE KERB.
- SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL.
- CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. CONDUITS TO BE EXTENDED TO PROPERTY LINE AND ARE REQUIRED WHEN CONNECTIONS EXTEND UNDER ROAD PAVEMENT, FOOTPATH OR OTHER INFRASTRUCTURE. BOTH KERBS ARE TO BE MARKED (50mm STAMPED IMPRESSION) WITH THE LETTERS E (ELECTRICAL), G (GAS), T (TELEPHONE), W (WATER) AND C (COUNCIL COMMUNICATION) ABOVE CONDUIT LOCATION.
- ALL SERVICING TRENCHES UNDER ROADS, DRIVEWAYS, FOOTPATHS ETC. ARE TO BE BACKFILLED & COMPACTED WITH F.C.R. IN THE CASE OF TRENCHES UNDER ROADS WHERE BACKFILLING HAS NOT ACHIEVED THE SPECIFIED COMPACTION OR SHOWS EXCESSIVE MOVEMENT UNDER PROOF ROLLING, THE BACKFILLING SHALL BE REMOVED AND REPLACED WITH 2% STABILISED COMPACTED F.C.R.
- NO COMMUNICATION PITS ARE TO BE LOCATED IN THE FOOTPATH.
- VEHICULAR CROSSINGS TO BE LOCATED CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. VEHICLE CROSSINGS TO BE 1m FROM PROPERTY BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN. VEHICULAR CROSSINGS TO BE CONSTRUCTED AS PER CITY OF GREATER GEELONG "DESIGN NOTES No.4" DATED AUGUST 2012 & IDM STANDARD DRAWINGS SD205 to SD265.
- ALL PEDESTRIAN CROSSINGS TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL SD200.
- ALL STREET SIGNS TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS. STREET SIGNS TO BE ATTACHED TO LIGHT POLES USING 'SINGLE DIRECTION COLLAR' OR '90° RIGHT ANGLE COLLAR' UNLESS SHOWN OTHERWISE.
- ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHOULD BE TO AS1742.2 AND AS1742.1 STANDARD RESPECTIVELY. TEMPORARY LINEMARKING TO BE PLACED DURING MAINTENANCE PERIOD PRIOR TO PLACEMENT OF WEARING COURSE. FINAL LINEMARKING TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
- UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED, GRADED, ALL RUBBISH REMOVED AND LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
- ALL AREAS OF SUBDIVISION EXPOSED OF VEGETATION, INCLUDING NATURE STRIPS, LOTS AND RESERVES ARE TO BE FULLY GRASSSED BY HYDRO MULCHING, WATERED AND MAINTAINED, UNTIL THE END OF MAINTENANCE PERIOD.
- ALL SLUMPS IN PRECAST CONCRETE PITS ARE TO BE FILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE, UNLESS APPROVED OTHERWISE BY THE COUNCIL WORKS INSPECTOR.
- CITY OF GREATER GEELONG REQUIRES CCTV OF ALL DRAINAGE PIPES AND PITS, PRIOR TO THE ISSUE OF THE STATEMENT OF COMPLIANCE



LOCALITY PLAN
MELWAYS REF: 479 F1
1:2000 20 0 20 40 60 80 100 A1
1:4000 A3

NOTE:
THE SITE OF WORKS IS SUBJECT TO THE PROVISIONS OF CULTURAL HERITAGE MANAGEMENT PLAN 12748.
ALL WORKS AND PERSONNEL MUST OBSERVE THE REQUIREMENTS OF THE MANAGEMENT PLAN AT ALL TIMES.

Sheet List Table

| Drawing No. | Drawing Title | Revision |
|-------------|--------------------------------|----------|
| R100 | COVER SHEET | AC |
| R200 | LAYOUT PLAN | AC |
| R300 | INTERSECTION DETAILS - 1 | AC |
| R301 | INTERSECTION DETAILS - 2 | AC |
| R400 | ROAD LONGITUDINAL SECTIONS - 1 | AC |
| R401 | ROAD LONGITUDINAL SECTIONS - 2 | AC |
| R500 | ROAD CROSS SECTIONS - 1 | AC |
| R501 | ROAD CROSS SECTIONS - 2 | AC |
| R502 | ROAD CROSS SECTIONS - 3 | AC |
| R503 | ROAD CROSS SECTIONS - 4 | AC |
| R504 | ROAD CROSS SECTIONS - 5 | AC |
| R600 | DRAINAGE LONG SECTIONS - 1 | AC |
| R601 | DRAINAGE LONG SECTIONS - 2 | AC |
| R602 | DRAINAGE LONG SECTIONS - 3 | AC |
| R603 | DRAINAGE PIT SCHEDULE | AC |
| R700 | TYPICAL DETAILS -1 | AC |
| R701 | TYPICAL DETAILS - 2 | AC |
| R800 | SIGNAGE AND LINEMARKING PLAN | AC |
| R900 | DRAINAGE LAYOUT PLAN | AC |

[Signature] 03/12/2021
SIGNED (CONSULTANT)

[Signature] 02/12/2021
SIGNED (CONTRACTOR)

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
THE LOCATIONS OF UNDERGROUND & OVERHEAD SERVICES ARE APPROXIMATE ONLY & THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. LOCATE ALL UNDERGROUND SERVICES BEFORE COMMENCEMENT OF WORKS
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

P:\2018\80016 - VILLAWOOD ARMSTRONG\80016-479\16-479\16-479-100 - COVER SHEET.DWG

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|----------------------------------------------|-----------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 6 | 15/07/2021 | LOT 4740 CROSSOVER CHANGE | B.LEECH | M.TROUNCE | T.PALIOS |
| 5 | 01/07/21 | LOT 4726 CROSSOVER RELOCATION | M.TROUNCE | M.TROUNCE | T.PALIOS |
| 4 | 16/06/21 | MINOR LEVEL ADJUSTMENTS | C.ROHDE | M.TROUNCE | T.PALIOS |
| 3 | 24/05/21 | REVISED CROSSOVER CHANGES (LOTS 4729 & 4728) | I.HOGAN | M.TROUNCE | T.PALIOS |
| 2 | 30/04/21 | REVISED TO SUIT ALTERED POS (LOTS 4738-4745) | C.ROHDE | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |

CLIENT

villawood
properties
Communities Designed for Living

PROJECT

creo
CONSULTANTS
Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

DRAWING TITLE

ARMSTRONG
MT DUNEED

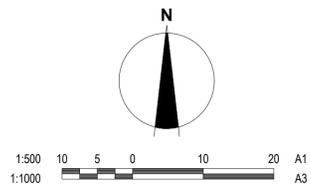
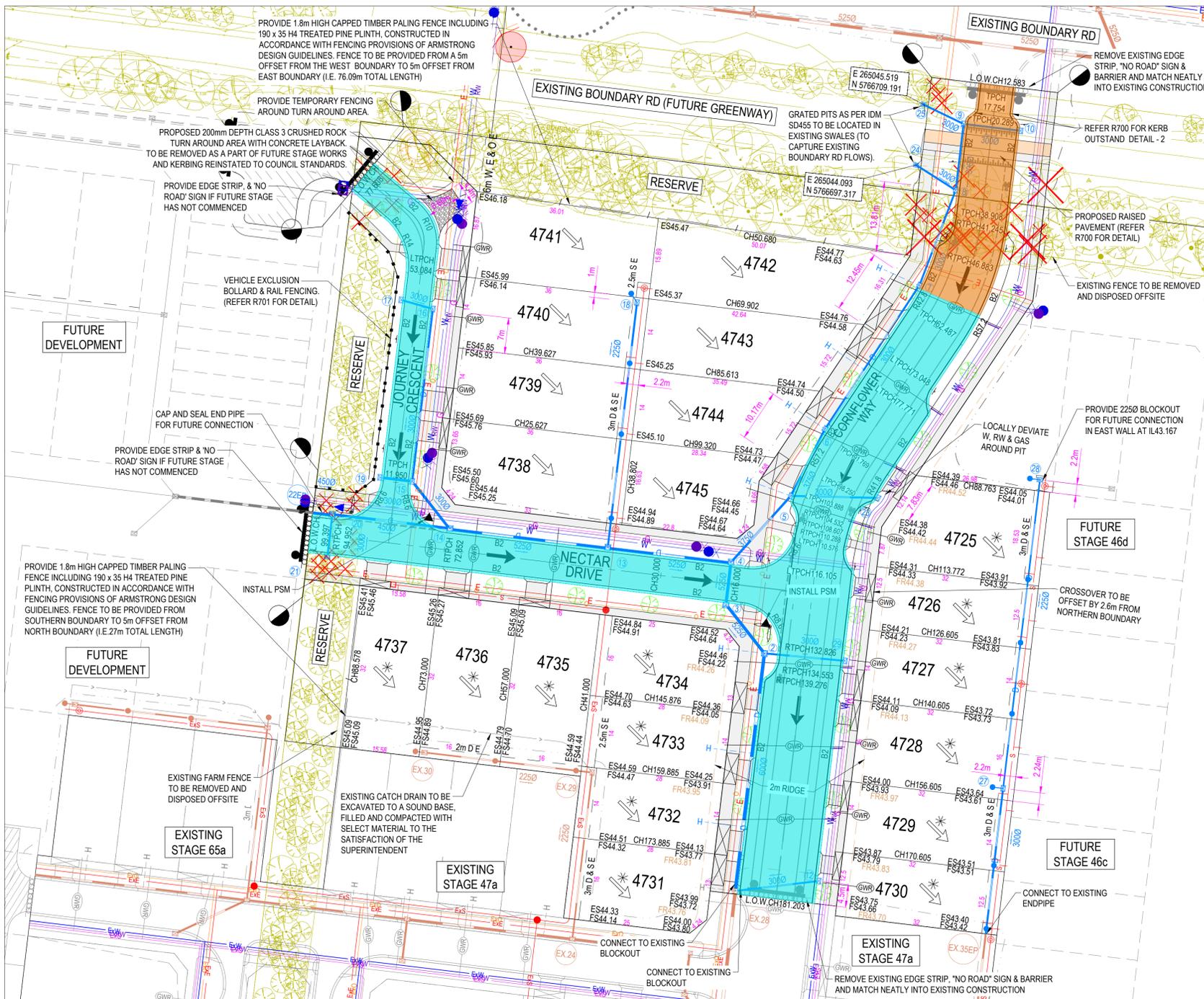
DRAWING TITLE

**ARMSTRONG - STAGE 47B
COVER SHEET**

STATUS

AS CONSTRUCTED

| SCALE AT A1 | DRAWN | DESIGNED |
|-------------------|-----------------|------------------|
| 1:2000 @ A1 | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R100 | AC |



03/12/2021
 SIGNED (CONSULTANT)
 02/12/2021
 SIGNED (CONTRACTOR)

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

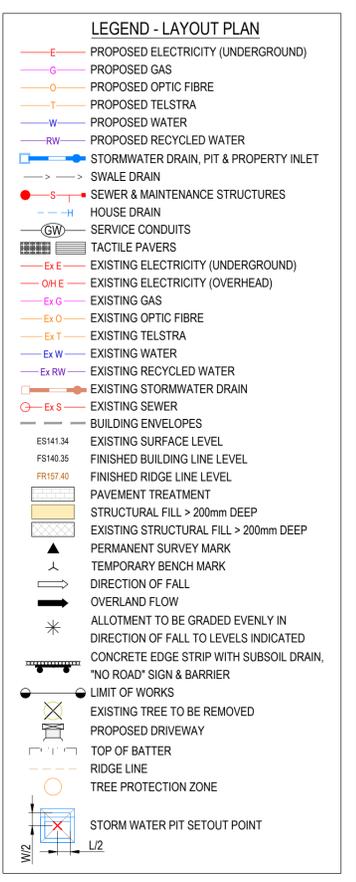
AS CONSTRUCTED SUBGRADE IMPROVEMENT

- EXCAVATE 300mm BELOW SUBGRADE AND REPLACE WITH CAPPING MATERIAL AS INSTRUCTED BY SUPERINTENDENT.
- EXCAVATE 200mm BELOW SUBGRADE AND REPLACE WITH CAPPING MATERIAL AS INSTRUCTED BY SUPERINTENDENT.

NOTE: STREET TREE LOCATIONS SHOWN ARE INDICATIVE ONLY. ULTIMATE LOCATION IS TO BE PROVIDED/CONFIRMED BY LANDSCAPE ARCHITECTS

WARNING
BWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

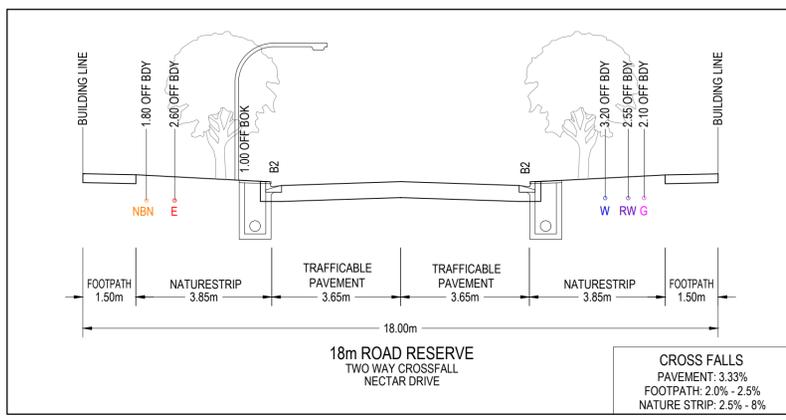
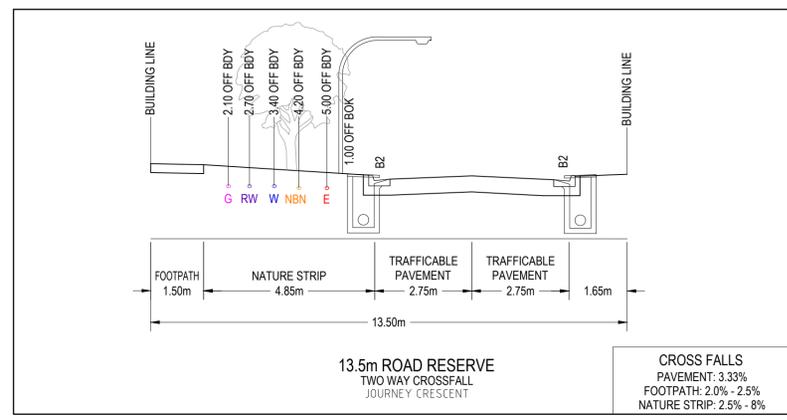
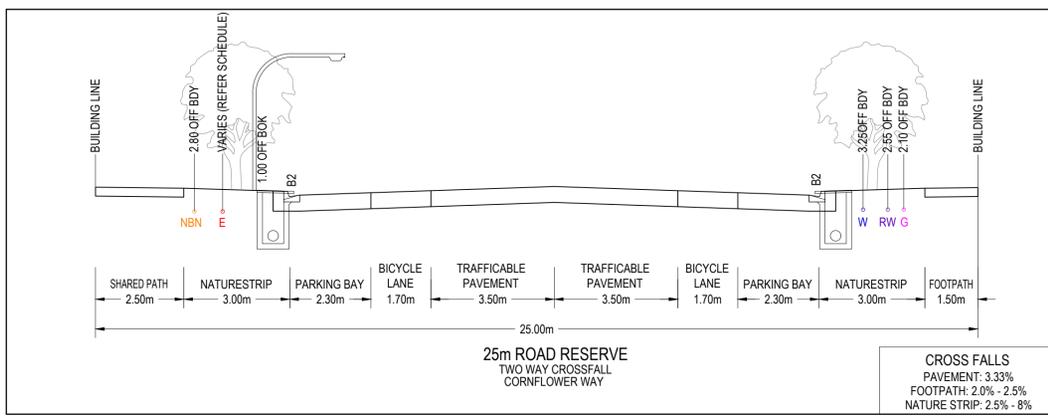
- NOTES:**
- ALL VEHICLE AND PRAM CROSSING LAYBACKS, TO BE MINIMUM OF 1.0m FROM PITS.
 - ALL PRAM CROSSINGS TO BE A MINIMUM 2.0m FROM VEHICLE CROSSINGS.
 - ALL PRAM CROSSINGS TO BE DDA COMPLIANT.
 - VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF LANDSCAPE WORKS.
 - THE USE OF DIRECTIONAL AND HAZARD TACTILE PAVERS MUST ACCORD WITH SECTION 2.2.3.1 OF AS/NZS 1428.4:2002
 - SEWER MAINTENANCE HOLE CONVERTER SLAB OR CONE, TO BE ROTATED TO ENSURE COVER POSITION IS CENTRALLY LOCATED WITHIN FOOTPATH.
 - CHAINAGES FOR SETOUT OF PROPERTY INLET POINTS, SERVICING FUTURE LOTS, ARE MEASURED FROM THE DOWNSTREAM PIT.
 - CONTRACTOR TO LOCATE ALL EXISTING ASSETS PRIOR TO COMMENCEMENT OF WORKS. ANY DAMAGE TO EXISTING ASSETS TO BE RECTIFIED AT CONTRACTORS EXPENSE.
 - CONTRACTOR TO VERIFY DEPTH OF EXISTING SERVICES, PRIOR TO COMMENCEMENT OF WORKS.
 - LOTS WITH FRONTAGES OF 12.50m OR LESS ARE TO BE PROVIDED WITH CROSSOVERS OF MAXIMUM 3.50m WIDTH



SERVICES OFFSET SCHEDULE

| ROAD NAME | GAS | | RECYCLED WATER | | POTABLE WATER | | OPTIC FIBRE | | ELECTRICITY | | PUBLIC LIGHTING | |
|-------------------------------------|------|--------|----------------|--------|---------------|--------|-------------|--------|-------------|--------|-----------------|--------|
| | SIDE | OFFSET | SIDE | OFFSET | SIDE | OFFSET | SIDE | OFFSET | SIDE | OFFSET | SIDE | OFFSET |
| CORNFLOWER WAY (SOUTH OF LOT 4745) | E | 2.10 | E | 2.55 | E | 3.25 | W | 2.80 | W | 3.60 | W | 1.00* |
| CORNFLOWER WAY (NORTH OF LOT 4745) | E | 2.10 | E | 2.55 | E | 3.25 | W | 2.80 | W | 3.40 | W | 1.00* |
| NECTAR DRIVE | N | 2.10 | N | 2.55 | N | 3.20 | S | 1.80 | S | 2.60 | S | 1.00* |
| JOURNEY CRESCENT (NORTH/SOUTH) | E | 2.10 | E | 2.70 | E | 3.40 | E | 4.20 | E | 5.00 | E | 1.00* |
| FUTURE JOURNEY CRESCENT (EAST/WEST) | S | 2.10 | S | 2.70 | S | 3.40 | S | 4.20 | S | 5.00 | S | 1.00* |
| FUTURE PREVAIL PLACE | S | 2.10 | S | 2.50 | S | 3.20 | S | 4.00 | S | 4.80 | S | 1.00* |

1. * DENOTES OFFSET FROM BACK OF KERB.



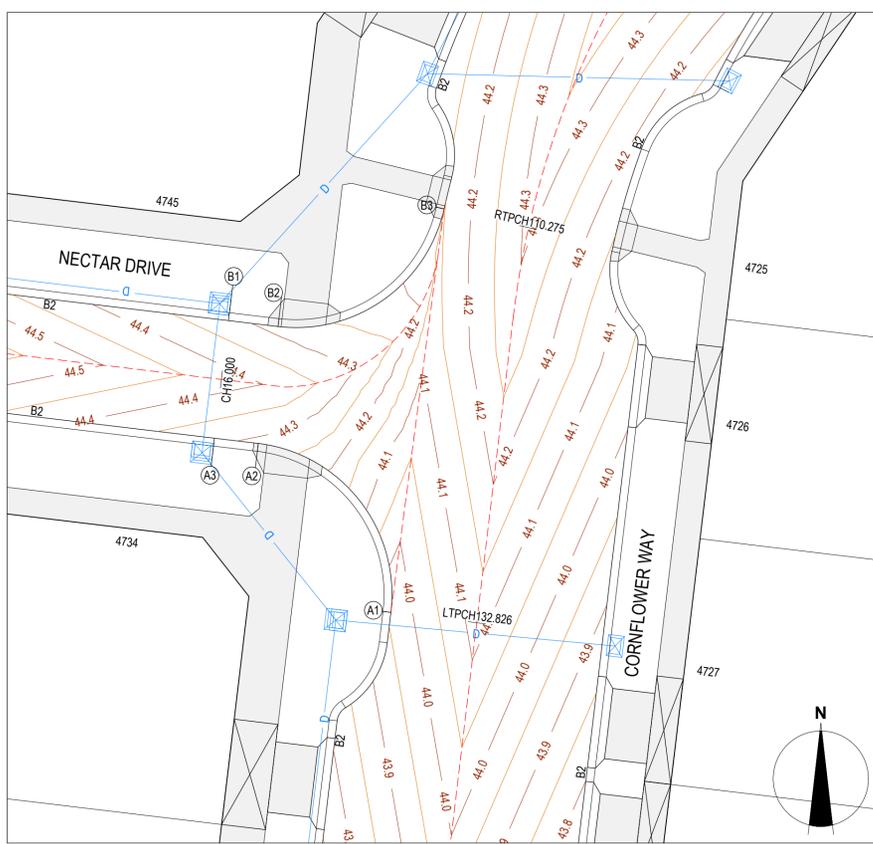
| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|------------------------------------------------|-----------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
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| 3 | 24/05/21 | REVISED CROSSOVER LOCATIONS (LOTS 4728 & 4729) | I.HOGAN | M.TROUNCE | T.PALIOS |
| 2 | 30/04/21 | REVISED TO SUIT ALTERED POS (LOTS 4738-4745) | C.ROHDE | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |



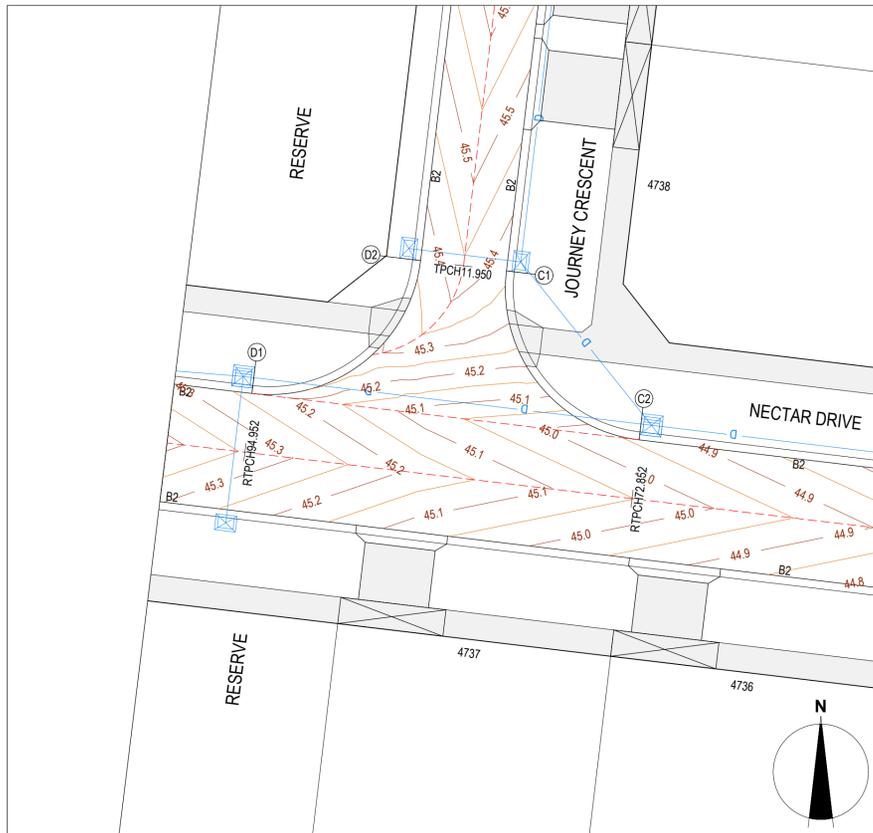
PROJECT
ARMSTRONG - STAGE 47B LAYOUT PLAN

DRAWING TITLE
AS CONSTRUCTED

| SCALE AT A1 | DRAWN | DESIGNED |
|-------------------|-----------------|------------------|
| 1:500 @ A1 | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R200 | AC |



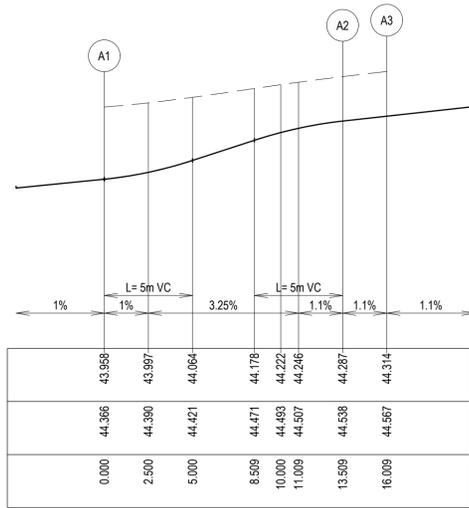
INTERSECTION OF CORNFLOWER WAY & NECTAR DRIVE



INTERSECTION OF NECTAR DRIVE & JOURNEY CRESCENT



VERTICAL GEOMETRY
DATUM RL43
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



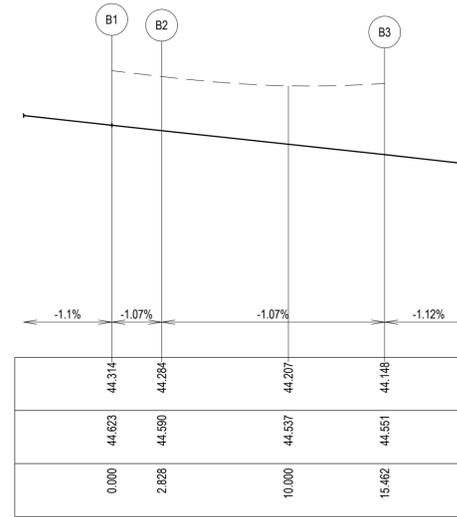
LIP LINE A

ALIGNMENT A

| PT NO | EASTING | NORTHING | RL |
|-------|------------|-------------|--------|
| A1 | 265017.407 | 5766601.909 | 43.958 |
| A2 | 265009.889 | 5766611.469 | 44.287 |
| A3 | 265007.407 | 5766611.766 | 44.314 |

| CURVE NO | I | RAD. | ARC | A | B | X | Y | I | MID POINT RL |
|----------|----|------|--------|-------|-------|-------|------|-------|--------------|
| A1 - A2 | 90 | 8.6 | 13.509 | 2.519 | 1.864 | 3.291 | 2.79 | 3.377 | 44.121 |

VERTICAL GEOMETRY
DATUM RL43
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE B

ALIGNMENT B

| PT NO | EASTING | NORTHING | RL |
|-------|------------|-------------|--------|
| B1 | 265008.203 | 5766618.419 | 44.314 |
| B2 | 265011.011 | 5766618.083 | 44.284 |
| B3 | 265020.423 | 5766624.739 | 44.148 |

| CURVE NO | I | RAD. | ARC | A | B | X | Y | I | MID POINT RL |
|----------|--------|------|--------|-------|-------|-------|-------|-------|--------------|
| B2 - B3 | 84.173 | 8.6 | 12.634 | 2.218 | 1.644 | 3.088 | 2.676 | 3.159 | 44.216 |

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

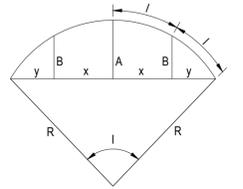
LEGEND - INTERSECTION PLAN

 STORMWATER DRAIN, PIT & PROPERTY INLET
 MAJOR CONTOUR - 0.1m
 MINOR CONTOUR - 0.05m
 CROWN / GRADE LINE

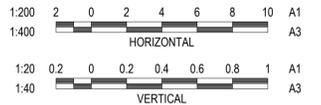
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DIAL 1100 BEFORE YOU DIG
www.1100.com.au

LEGEND

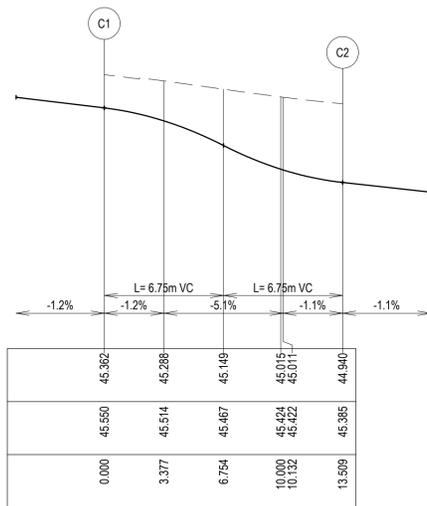
 EXISTING SURFACE
 DESIGN LINE



LIP PROFILE SETOUT



VERTICAL GEOMETRY
DATUM RL44
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



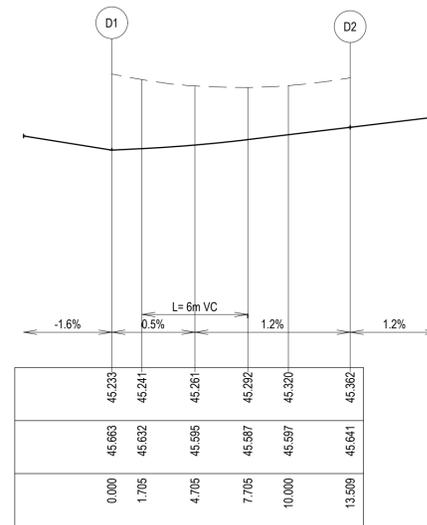
LIP LINE C

ALIGNMENT C

| PT NO | EASTING | NORTHING | RL |
|-------|------------|-------------|--------|
| C1 | 264944.235 | 5766634.73 | 45.362 |
| C2 | 264951.753 | 5766625.169 | 44.94 |

| CURVE NO | I | RAD. | ARC | A | B | X | Y | I | MID POINT RL |
|----------|----|------|--------|-------|-------|-------|------|-------|--------------|
| C1 - C2 | 90 | 8.6 | 13.509 | 2.519 | 1.864 | 3.291 | 2.79 | 3.377 | 45.149 |

VERTICAL GEOMETRY
DATUM RL44
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE D

ALIGNMENT D

| PT NO | EASTING | NORTHING | RL |
|-------|------------|-------------|--------|
| D1 | 264929.809 | 5766627.794 | 45.233 |
| D2 | 264939.37 | 5766635.312 | 45.362 |

| CURVE NO | I | RAD. | ARC | A | B | X | Y | I | MID POINT RL |
|----------|----|------|--------|-------|-------|-------|------|-------|--------------|
| D1 - D2 | 90 | 8.6 | 13.509 | 2.519 | 1.864 | 3.291 | 2.79 | 3.377 | 45.281 |

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | IW & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |



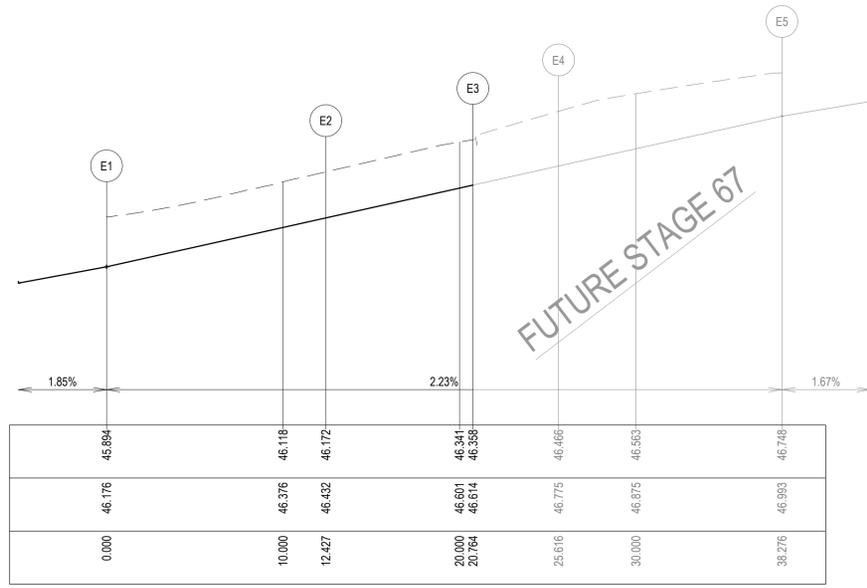
DRAWING TITLE
ARMSTRONG - STAGE 47B
INTERSECTION DETAILS - 1

STATUS
AS CONSTRUCTED

| SCALE AT A1 | DRAWN | DESIGNED |
|-------------------|-----------------|------------------|
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R300 | AC |



VERTICAL GEOMETRY
DATUM RL45
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE E

ALIGNMENT E

| PT NO | EASTING | NORTHING | RL |
|-------|------------|-------------|--------|
| E1 | 264944.254 | 5766676.155 | 46.895 |
| E2 | 264939.854 | 5766687.235 | 46.172 |
| E3 | 264933.454 | 5766692.578 | 46.358 |
| E4 | 264929.296 | 5766695.036 | 46.466 |
| E5 | 264917.049 | 5766698.107 | 46.748 |

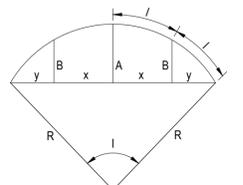
| CURVE NO | I | RAD. | ARC | A | B | X | Y | I | MID POINT RL |
|----------|--------|------|--------|-------|-------|-------|-------|-------|--------------|
| E1 - E2 | 56.962 | 12.5 | 12.427 | 1.513 | 1.129 | 3.075 | 2.886 | 3.107 | 46.034 |
| E3 - E4 | 18.531 | 15 | 4.851 | 0.196 | 0.147 | 1.212 | 1.204 | 1.213 | 46.412 |
| E4 - E5 | 14.507 | 50 | 12.66 | 0.4 | 0.3 | 3.163 | 3.15 | 3.165 | 46.607 |

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

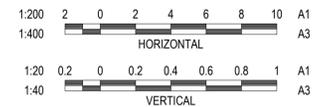
LEGEND - INTERSECTION PLAN

WARNING
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DIAL 1100 BEFORE YOU DIG
www.1100.com.au

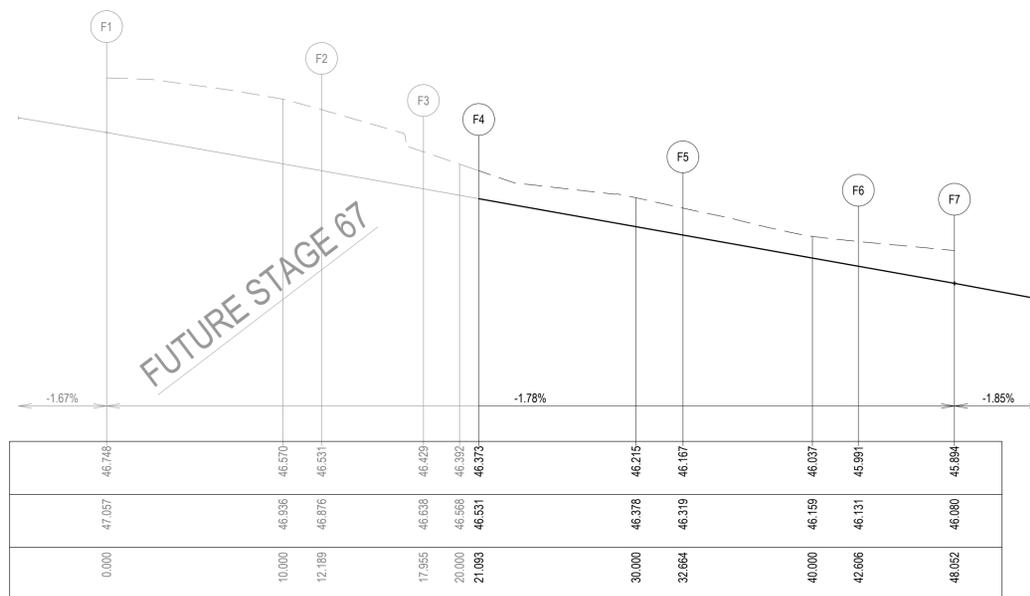
LEGEND



LIP PROFILE SETOUT



[Signature] 03/12/2021
 SIGNED (CONSULTANT)
[Signature] 02/12/2021
 SIGNED (CONTRACTOR)



LIP LINE F

ALIGNMENT F

| PT NO | EASTING | NORTHING | RL |
|-------|------------|-------------|--------|
| F1 | 264917.631 | 5766702.972 | 46.748 |
| F2 | 264929.733 | 5766701.524 | 46.531 |
| F3 | 264934.955 | 5766699.272 | 46.429 |
| F4 | 264937.363 | 5766697.261 | 46.373 |
| F5 | 264946.246 | 5766689.845 | 46.167 |
| F6 | 264949.766 | 5766680.981 | 45.991 |
| F7 | 264949.12 | 5766675.573 | 45.894 |

| CURVE NO | I | RAD. | ARC | A | B | X | Y | I | MID POINT RL |
|----------|--------|------|-------|-------|-------|-------|-------|-------|--------------|
| F2 - F3 | 33.038 | 10 | 5.766 | 0.413 | 0.309 | 1.437 | 1.407 | 1.442 | 46.48 |
| F5 - F6 | 56.962 | 10 | 9.942 | 1.21 | 0.903 | 2.46 | 2.309 | 2.485 | 46.079 |

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

CLIENT

 Communities Designed for Living

PROJECT

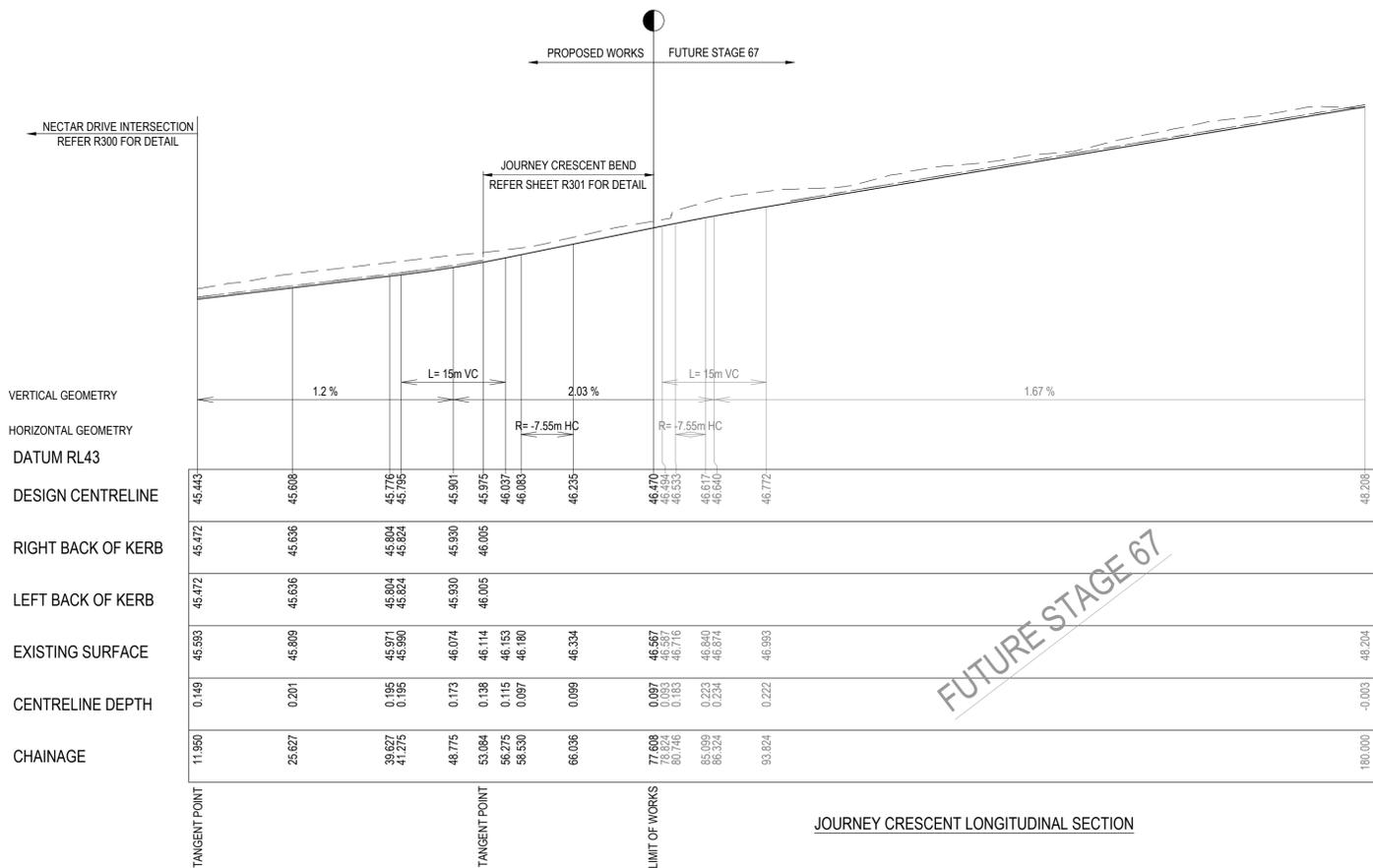
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

DRAWING TITLE

 ARMSTRONG - STAGE 47B
 INTERSECTION DETAILS - 2

STATUS
 AS CONSTRUCTED

SCALE AT A1
 AS SHOWN
 PROJECT ENGINEER
 M.TROUNCE
 PROJECT MANAGER
 T.PALIOS
 DESIGNED
 I.HOGAN
 DATE FIRST ISSUE
 NOVEMBER 2020
 PROJECT No.
180016.47B
 DRAWING No.
R301
 REVISION
AC



JOURNEY CRESCENT DESIGN LINE

| CHAINAGE | EASTING | NORTHING | BEARING |
|----------|------------|-------------|---------------|
| 0.000 | 264940.383 | 5766623.155 | 6°49'11" IP |
| 58.530 | 264947.334 | 5766681.272 | 6°49'11" TC |
| 59.341 | 264947.387 | 5766682.080 | 0°40'18" |
| 60.440 | 264947.320 | 5766683.176 | 352°19'56" |
| 61.538 | 264947.094 | 5766684.250 | 343°59'34" |
| 62.637 | 264946.716 | 5766685.281 | 335°39'12" |
| 63.736 | 264946.191 | 5766686.245 | 327°18'50" |
| 64.835 | 264945.533 | 5766687.124 | 318°58'29" |
| 65.934 | 264944.754 | 5766687.898 | 310°38'07" |
| 66.036 | 264944.676 | 5766687.964 | 309°51'30" CT |
| 66.036 | 264944.676 | 5766687.964 | 309°51'30" IP |
| 77.608 | 264935.793 | 5766695.380 | 309°51'30" IP |

IP 3

coordinate = 264947.8200 5766685.3387
 centre = 264939.8370 5766682.1682
 radius = -7.5500
 length = 7.5060
 intersect angle = 56°57'41"

start tangent

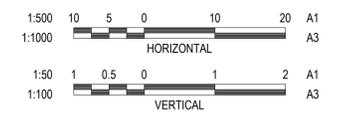
coordinate = 264947.3336 5766681.2717
 length = 4.0960
 chainage = 58.5305
 bearing = 6°49'11"

end tangent

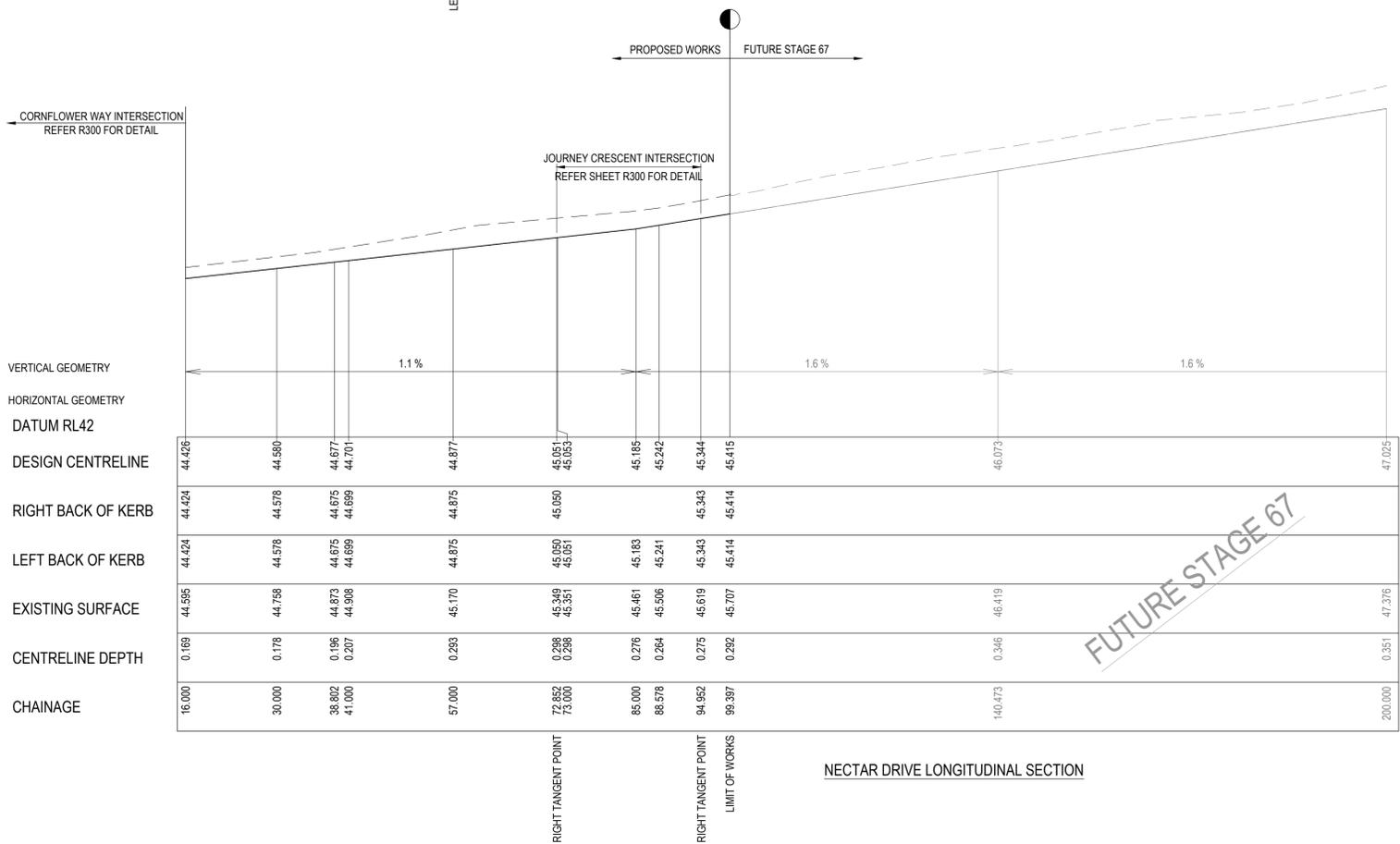
coordinate = 264944.6758 5766687.9638
 length = 4.0960
 chainage = 66.0364
 bearing = 309°51'30"

LEGEND

- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE
- LEFT BACK OF KERB
- RIGHT BACK OF KERB



WARNING
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 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
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www.1100.com.au



NECTAR DRIVE DESIGN LINE

| CHAINAGE | EASTING | NORTHING | BEARING |
|----------|------------|-------------|---------------|
| 0.000 | 265023.692 | 5766613.192 | 276°49'11" IP |
| 99.407 | 264924.988 | 5766624.997 | 276°49'11" IP |

NECTAR DRIVE DESIGN LINE

-- IP Details --

IP 1

coordinate = 265023.6917 5766613.1923
 chainage = 0.0000

IP 2

coordinate = 264924.9888 5766624.9952
 chainage = 99.3970

SIGNED (CONSULTANT) 03/12/2021
 SIGNED (CONTRACTOR) 02/12/2021

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|----------|----------------------------------------------|---------|-----------|----------|
| 2 | 30/04/21 | REVISED TO SUIT ALTERED POS (LOTS 4738-4745) | C.RHODE | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

villawood properties
 Communities Designed for Living

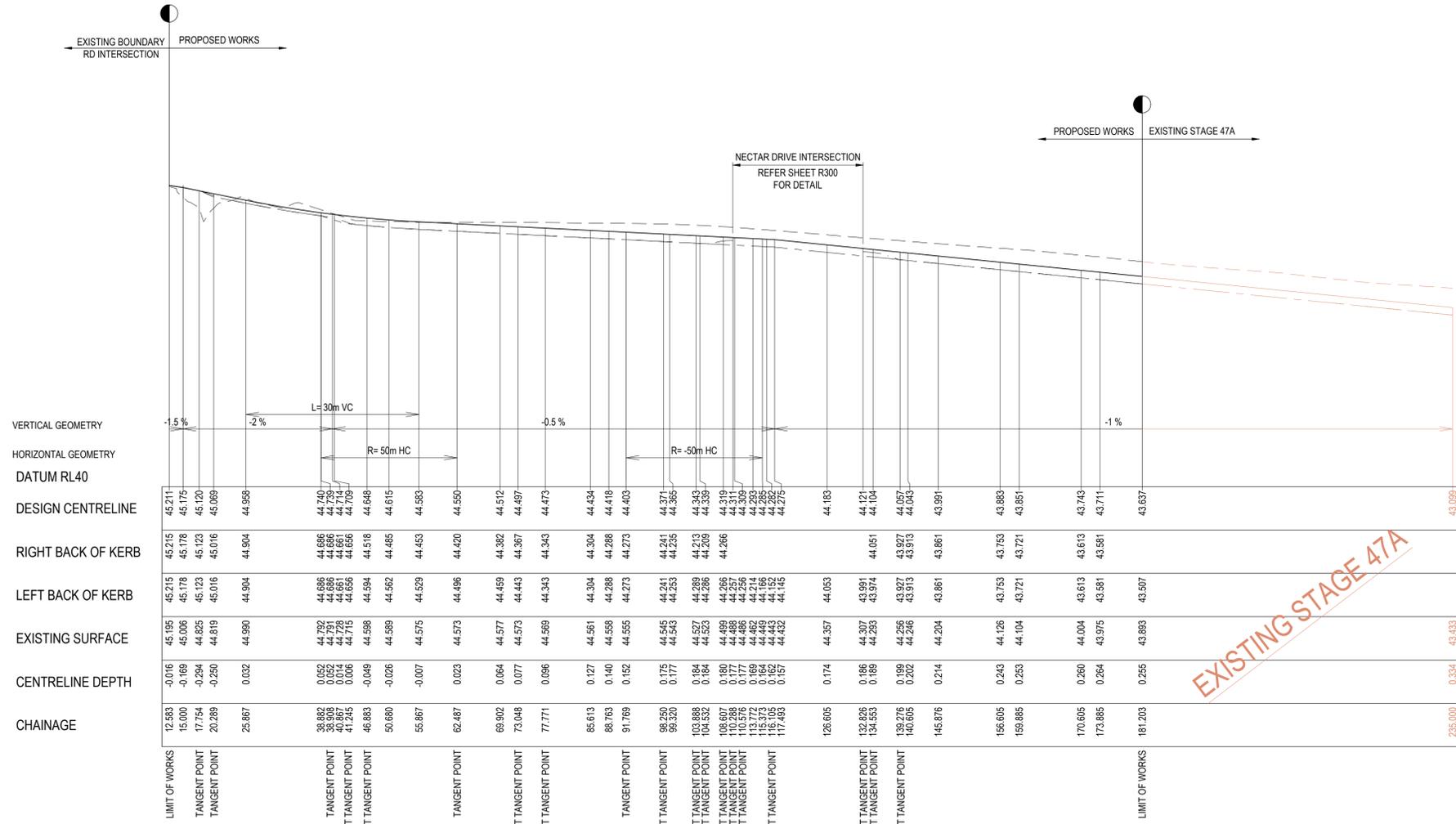
creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 MT DUNEED

ARMSTRONG - STAGE 47B
ROAD LONGITUDINAL SECTIONS - 1

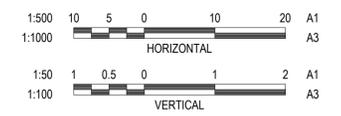
AS CONSTRUCTED

| SCALE AT A1 | DRAWN | DESIGNED |
|-------------------|-----------------|------------------|
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R400 | AC |



LEGEND

- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE
- LEFT BACK OF KERB
- RIGHT BACK OF KERB



WARNING
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CORNFLOWER WAY LONGITUDINAL SECTION

| VERTICAL GEOMETRY | HORIZONTAL GEOMETRY | DATUM RL40 | DESIGN CENTRELINE | RIGHT BACK OF KERB | LEFT BACK OF KERB | EXISTING SURFACE | CENTRELINE DEPTH | CHAINAGE |
|-------------------|---------------------|------------|-------------------|--------------------|-------------------|------------------|------------------|----------|
| -1.5% | L=30m VC | 45.211 | 45.211 | 45.215 | 45.215 | 45.195 | -0.016 | 12.583 |
| -2% | R=50m HC | 45.175 | 45.175 | 45.178 | 45.178 | 45.006 | -0.169 | 15.000 |
| | | 45.120 | 45.120 | 45.123 | 45.123 | 44.825 | -0.294 | 17.754 |
| | | 45.069 | 45.069 | 45.016 | 45.016 | 44.819 | -0.250 | 20.289 |
| | | 44.956 | 44.956 | 44.904 | 44.904 | 44.990 | 0.032 | 25.867 |
| | | 44.740 | 44.740 | 44.686 | 44.686 | 44.732 | 0.052 | 38.882 |
| | | 44.739 | 44.739 | 44.686 | 44.686 | 44.781 | 0.052 | 38.908 |
| | | 44.709 | 44.709 | 44.656 | 44.656 | 44.775 | 0.014 | 38.934 |
| | | 44.648 | 44.648 | 44.518 | 44.518 | 44.691 | 0.006 | 41.256 |
| | | 44.615 | 44.615 | 44.485 | 44.485 | 44.599 | -0.049 | 46.883 |
| | | 44.583 | 44.583 | 44.453 | 44.453 | 44.589 | -0.026 | 50.680 |
| | | 44.550 | 44.550 | 44.420 | 44.420 | 44.575 | -0.007 | 55.867 |
| | | 44.512 | 44.512 | 44.382 | 44.382 | 44.577 | 0.023 | 62.487 |
| | | 44.497 | 44.497 | 44.367 | 44.367 | 44.573 | 0.064 | 69.902 |
| | | 44.473 | 44.473 | 44.343 | 44.343 | 44.573 | 0.077 | 73.048 |
| | | 44.434 | 44.434 | 44.304 | 44.304 | 44.569 | 0.096 | 77.771 |
| | | 44.418 | 44.418 | 44.288 | 44.288 | 44.561 | 0.127 | 85.613 |
| | | 44.403 | 44.403 | 44.273 | 44.273 | 44.558 | 0.140 | 88.763 |
| | | 44.371 | 44.371 | 44.241 | 44.241 | 44.555 | 0.152 | 91.179 |
| | | 44.365 | 44.365 | 44.235 | 44.235 | 44.545 | 0.177 | 95.320 |
| | | 44.343 | 44.343 | 44.213 | 44.213 | 44.543 | 0.184 | 103.888 |
| | | 44.339 | 44.339 | 44.209 | 44.209 | 44.527 | 0.184 | 108.607 |
| | | 44.319 | 44.319 | 44.266 | 44.266 | 44.489 | 0.180 | 110.298 |
| | | 44.311 | 44.311 | 44.257 | 44.257 | 44.488 | 0.177 | 110.298 |
| | | 44.293 | 44.293 | 44.234 | 44.234 | 44.481 | 0.169 | 113.773 |
| | | 44.285 | 44.285 | 44.214 | 44.214 | 44.482 | 0.169 | 115.373 |
| | | 44.282 | 44.282 | 44.166 | 44.166 | 44.449 | 0.164 | 116.105 |
| | | 44.275 | 44.275 | 44.152 | 44.152 | 44.443 | 0.162 | 117.493 |
| | | 44.183 | 44.183 | 43.861 | 43.861 | 44.204 | 0.174 | 126.605 |
| | | 44.121 | 44.121 | 44.051 | 44.051 | 44.307 | 0.186 | 132.825 |
| | | 44.104 | 44.104 | 43.883 | 43.883 | 44.293 | 0.169 | 134.553 |
| | | 44.057 | 44.057 | 43.697 | 43.697 | 44.266 | 0.199 | 138.275 |
| | | 44.053 | 44.053 | 43.673 | 43.673 | 44.266 | 0.202 | 140.665 |
| | | 43.991 | 43.991 | 43.861 | 43.861 | 44.204 | 0.214 | 145.876 |
| | | 43.883 | 43.883 | 43.753 | 43.753 | 44.126 | 0.243 | 156.605 |
| | | 43.851 | 43.851 | 43.721 | 43.721 | 44.104 | 0.253 | 159.885 |
| | | 43.743 | 43.743 | 43.613 | 43.613 | 44.004 | 0.260 | 170.605 |
| | | 43.711 | 43.711 | 43.581 | 43.581 | 43.975 | 0.264 | 173.885 |
| | | 43.637 | 43.637 | 43.507 | 43.507 | 43.893 | 0.255 | 181.203 |
| | | 43.089 | 43.089 | 43.433 | 43.433 | 43.833 | 0.334 | 235.000 |

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|----------|----------------------------------------------|---------|-----------|----------|
| 2 | 30/04/21 | REVISED TO SUIT ALTERED POS (LOTS 4738-4745) | C.ROHDE | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

villawood properties
 Communities Designed for Living

creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

ARMSTRONG
 AT DUNEDIN

ARMSTRONG - STAGE 47B
ROAD LONGITUDINAL SECTIONS - 2

AS CONSTRUCTED

| SCALE AT A1 | DRAWN | DESIGNED |
|------------------|-----------------|------------------|
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R401 | AC |

SIGNED (CONSULTANT) 03/12/2021
 SIGNED (CONTRACTOR) 02/12/2021

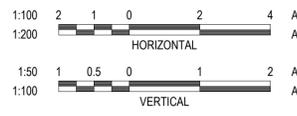
CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

NOTE
SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

NOTE
CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY, READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

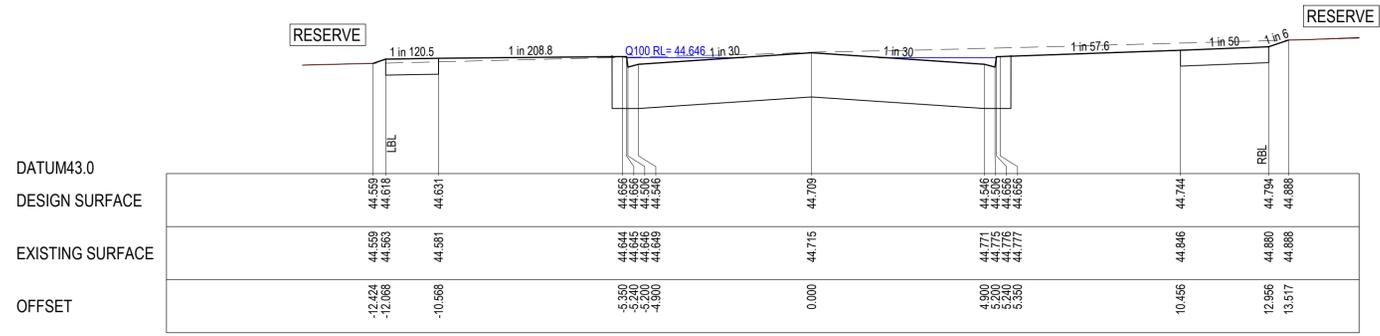
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LEGEND
--- EXISTING SURFACE
— DESIGN LINE
/// SELECT FILL

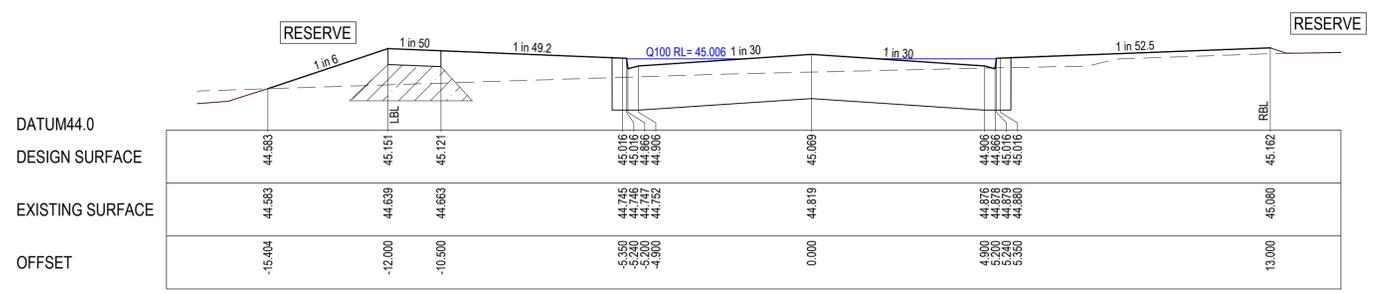


[Signature] 03/12/2021
SIGNED (CONSULTANT)

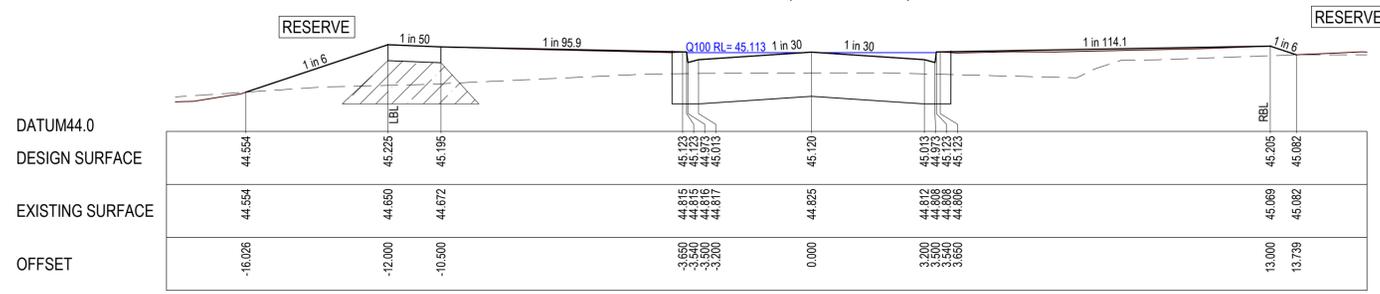
[Signature] 02/12/2021
SIGNED (CONTRACTOR)



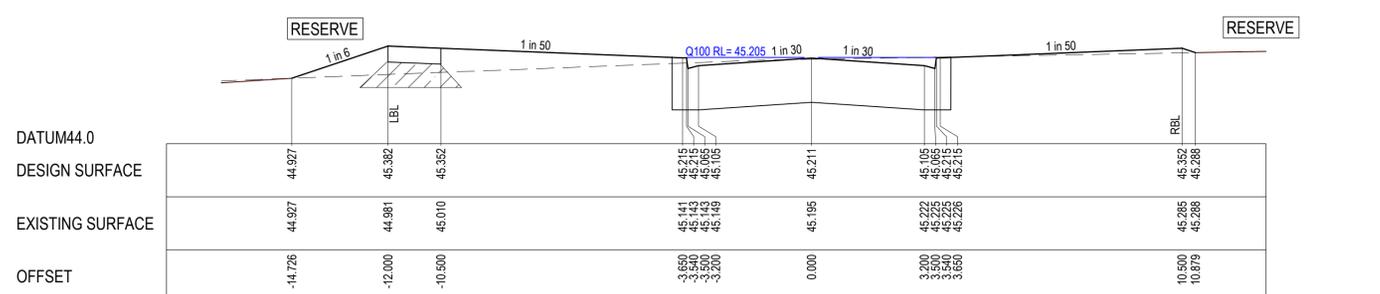
| CH 41.245 (RIGHT TANGENT POINT) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| DATUM43.0 | | | | | | | | | | |
| DESIGN SURFACE | 44.559 | 44.618 | 44.631 | 44.636 | 44.644 | 44.656 | 44.709 | 44.744 | 44.794 | 44.888 |
| EXISTING SURFACE | 44.559 | 44.553 | 44.551 | 44.644 | 44.645 | 44.649 | 44.715 | 44.846 | 44.880 | 44.888 |
| OFFSET | -12.024 | -12.068 | -10.568 | -5.350 | -5.240 | -4.900 | 0.000 | 10.456 | 12.956 | 13.517 |



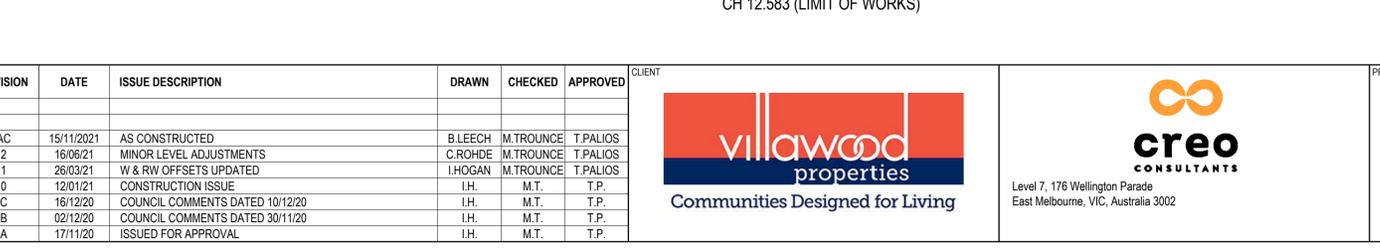
| CH 38.908 (TANGENT POINT) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| DATUM43.0 | | | | | | | | | | |
| DESIGN SURFACE | 44.633 | 44.713 | 44.702 | 44.686 | 44.720 | 44.686 | 44.739 | 44.789 | 44.839 | 44.936 |
| EXISTING SURFACE | 44.633 | 44.641 | 44.665 | 44.720 | 44.721 | 44.725 | 44.791 | 44.898 | 44.929 | 44.936 |
| OFFSET | -12.479 | -12.000 | -10.500 | -5.350 | -5.240 | -4.900 | 0.000 | 10.500 | 13.000 | 13.585 |



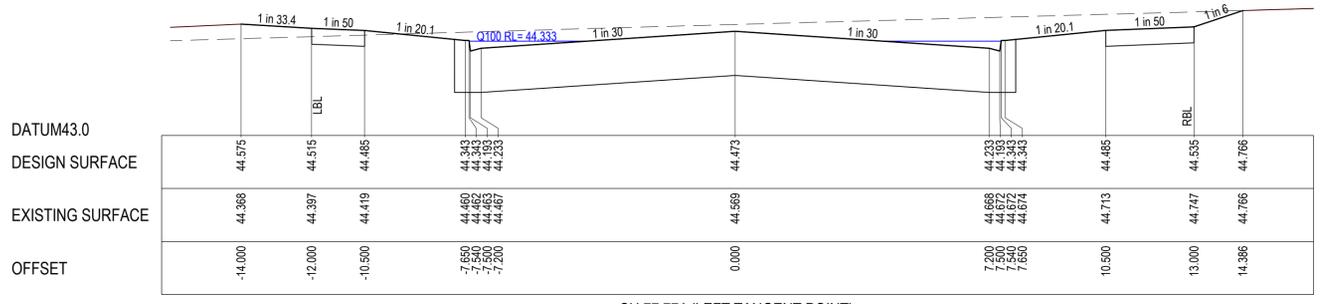
| CH 20.289 (TANGENT POINT) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| DATUM44.0 | | | | | | | | | | |
| DESIGN SURFACE | 44.583 | 45.151 | 45.121 | 45.016 | 45.016 | 45.016 | 45.069 | 45.162 | 45.162 | 45.162 |
| EXISTING SURFACE | 44.583 | 44.639 | 44.663 | 44.745 | 44.746 | 44.752 | 44.819 | 44.880 | 44.880 | 45.080 |
| OFFSET | -15.404 | -12.000 | -10.500 | -5.350 | -5.240 | -4.900 | 0.000 | 4.900 | 5.240 | 5.350 |



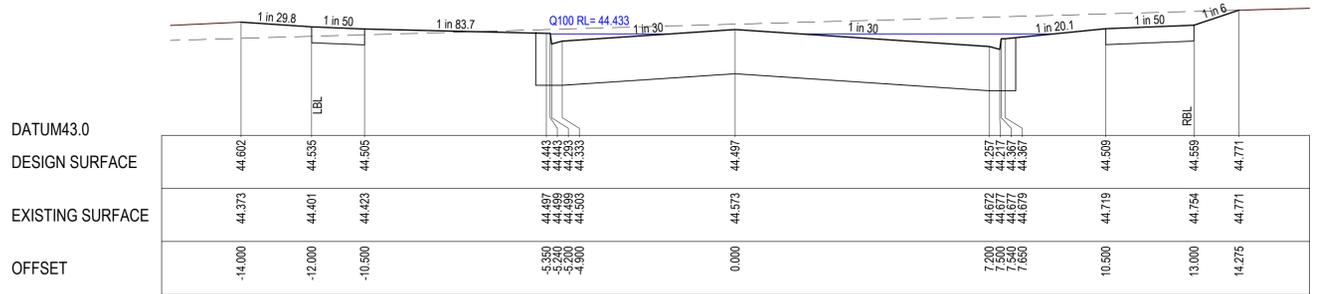
| CH 17.754 (TANGENT POINT) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| DATUM44.0 | | | | | | | | | | |
| DESIGN SURFACE | 44.554 | 45.225 | 45.195 | 45.123 | 45.123 | 45.123 | 45.120 | 45.205 | 45.205 | 45.205 |
| EXISTING SURFACE | 44.554 | 44.650 | 44.672 | 44.815 | 44.816 | 44.817 | 44.825 | 44.882 | 44.882 | 45.082 |
| OFFSET | -16.026 | -12.000 | -10.500 | -3.650 | -3.570 | -3.200 | 0.000 | 3.200 | 3.500 | 3.650 |



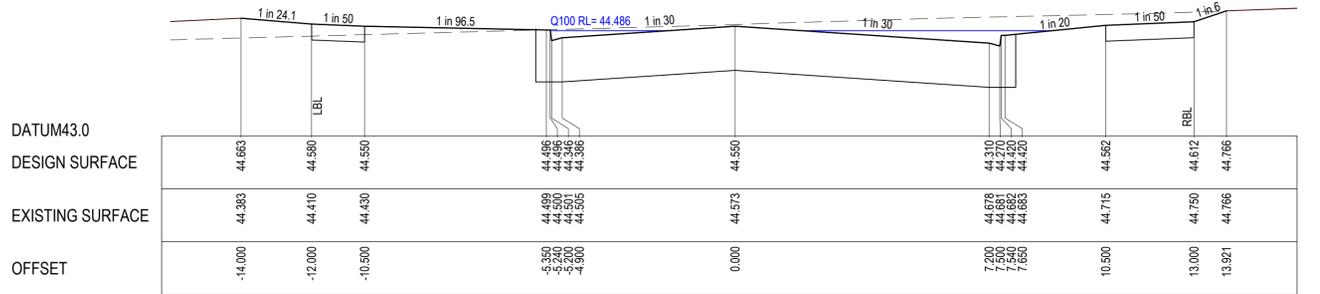
| CH 12.583 (LIMIT OF WORKS) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| DATUM44.0 | | | | | | | | | | |
| DESIGN SURFACE | 44.927 | 45.382 | 45.352 | 45.215 | 45.215 | 45.215 | 45.211 | 45.352 | 45.288 | 45.288 |
| EXISTING SURFACE | 44.927 | 44.981 | 45.010 | 45.141 | 45.143 | 45.149 | 45.195 | 45.285 | 45.288 | 45.288 |
| OFFSET | -14.726 | -12.000 | -10.500 | -3.650 | -3.570 | -3.200 | 0.000 | 10.500 | 10.879 | 10.879 |



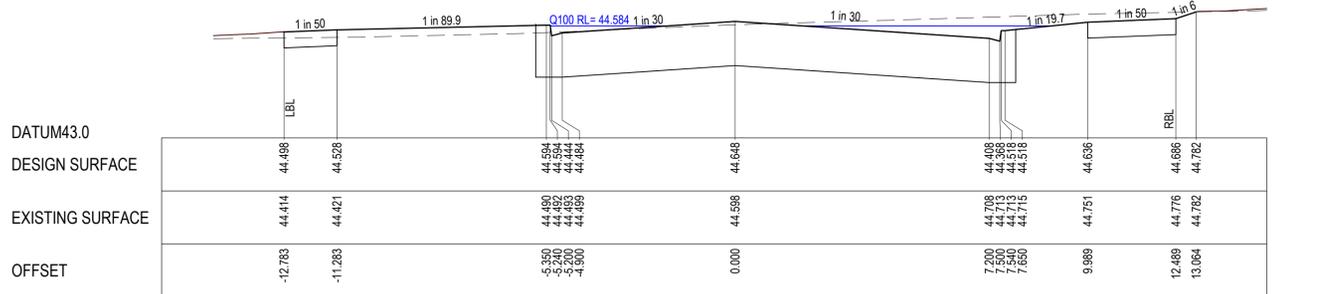
| CH 77.771 (LEFT TANGENT POINT) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------------------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| DATUM43.0 | | | | | | | | | | |
| DESIGN SURFACE | 44.575 | 44.515 | 44.485 | 44.533 | 44.533 | 44.533 | 44.473 | 44.485 | 44.535 | 44.766 |
| EXISTING SURFACE | 44.388 | 44.397 | 44.419 | 44.462 | 44.463 | 44.467 | 44.569 | 44.673 | 44.747 | 44.766 |
| OFFSET | -14.000 | -12.000 | -10.500 | -7.650 | -7.500 | -7.200 | 0.000 | 10.500 | 13.000 | 14.386 |



| CH 73.048 (LEFT TANGENT POINT) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------------------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| DATUM43.0 | | | | | | | | | | |
| DESIGN SURFACE | 44.602 | 44.535 | 44.505 | 44.443 | 44.443 | 44.433 | 44.497 | 44.509 | 44.559 | 44.771 |
| EXISTING SURFACE | 44.373 | 44.401 | 44.423 | 44.467 | 44.467 | 44.467 | 44.573 | 44.679 | 44.754 | 44.771 |
| OFFSET | -14.000 | -12.000 | -10.500 | -5.350 | -5.240 | -4.900 | 0.000 | 10.500 | 13.000 | 14.275 |



| CH 62.487 (TANGENT POINT) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| DATUM43.0 | | | | | | | | | | |
| DESIGN SURFACE | 44.663 | 44.580 | 44.550 | 44.468 | 44.468 | 44.468 | 44.550 | 44.562 | 44.612 | 44.766 |
| EXISTING SURFACE | 44.383 | 44.410 | 44.430 | 44.489 | 44.489 | 44.491 | 44.573 | 44.675 | 44.750 | 44.766 |
| OFFSET | -14.000 | -12.000 | -10.500 | -5.350 | -5.200 | -4.900 | 0.000 | 10.500 | 13.000 | 13.921 |



| CH 46.883 (RIGHT TANGENT POINT) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| DATUM43.0 | | | | | | | | | | |
| DESIGN SURFACE | 44.498 | 44.528 | 44.528 | 44.594 | 44.594 | 44.594 | 44.648 | 44.636 | 44.686 | 44.782 |
| EXISTING SURFACE | 44.414 | 44.421 | 44.421 | 44.480 | 44.480 | 44.484 | 44.598 | 44.751 | 44.776 | 44.782 |
| OFFSET | -12.783 | -11.283 | -11.283 | -5.350 | -5.200 | -4.900 | 0.000 | 9.989 | 12.489 | 13.064 |

P:\2018\18016 - VILLAWOOD - ARMSTRONG - STAGE 47B - ROAD CROSS SECTIONS.DWG

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | | | |
| 2 | 16/06/21 | MINOR LEVEL ADJUSTMENTS | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | C.ROHDE | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.HOGAN | M.TROUNCE | T.PALIOS |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

villawood
properties
Communities Designed for Living

creo
CONSULTANTS
Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

ARMSTRONG
AT DUNDEE

ARMSTRONG - STAGE 47B
ROAD CROSS SECTIONS - 1
CORNFLOWER WAY - SHEET 1

AS CONSTRUCTED

| SCALE AT A1 | DRAWN | DESIGNED |
|-------------------|-----------------|------------------|
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R500 | AC |

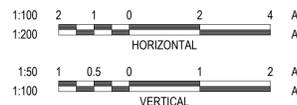
CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

NOTE
SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

NOTE
CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY, READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

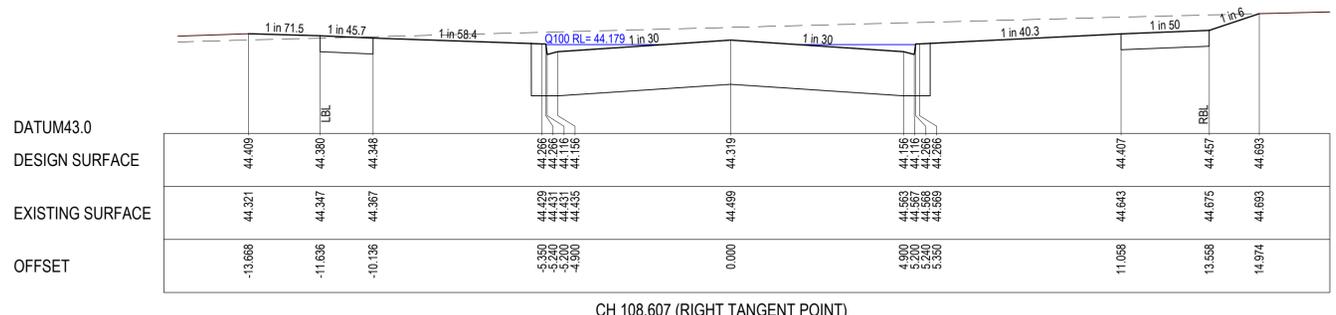
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

LEGEND
--- EXISTING SURFACE
— DESIGN LINE
/// SELECT FILL

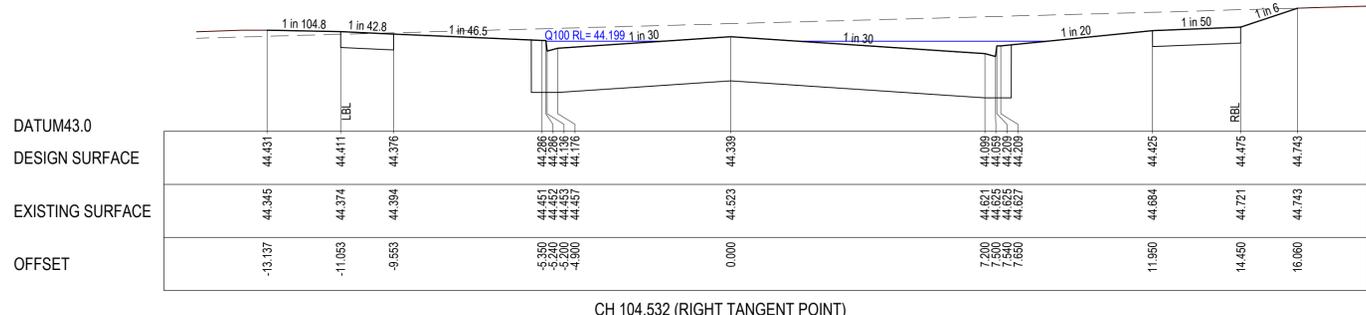


[Signature] 03/12/2021
SIGNED (CONSULTANT)

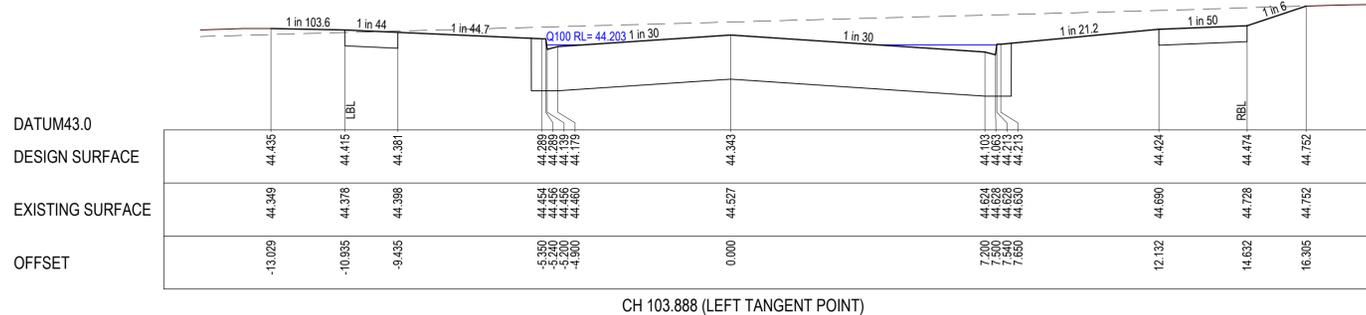
[Signature] 02/12/2021
SIGNED (CONTRACTOR)



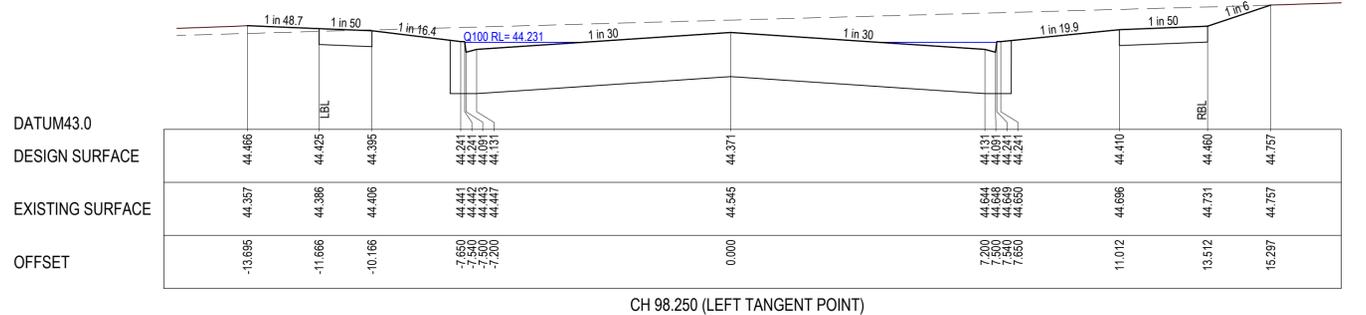
CH 108.607 (RIGHT TANGENT POINT)



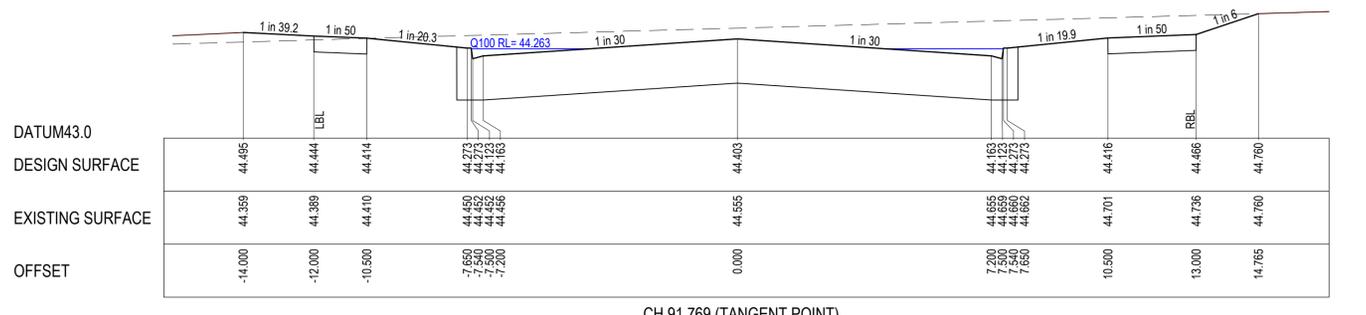
CH 104.532 (RIGHT TANGENT POINT)



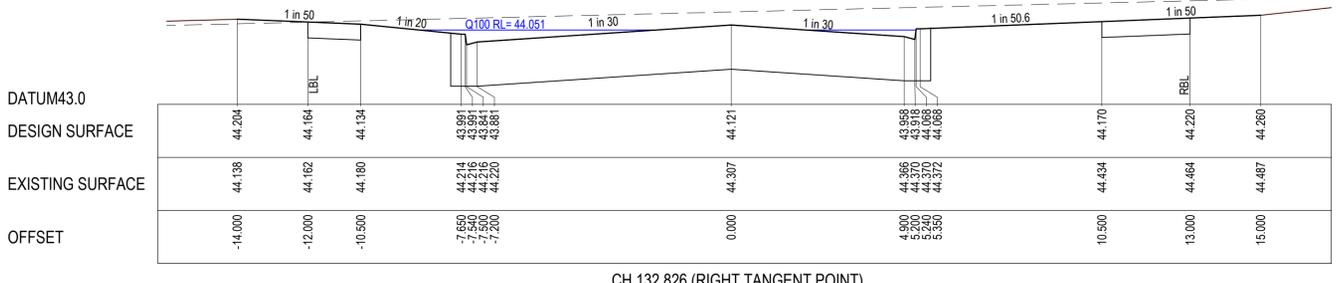
CH 103.888 (LEFT TANGENT POINT)



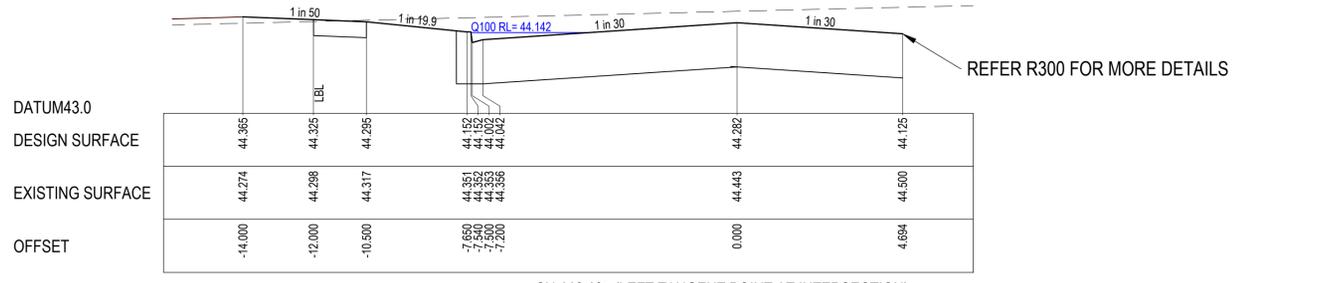
CH 98.250 (LEFT TANGENT POINT)



CH 91.769 (TANGENT POINT)

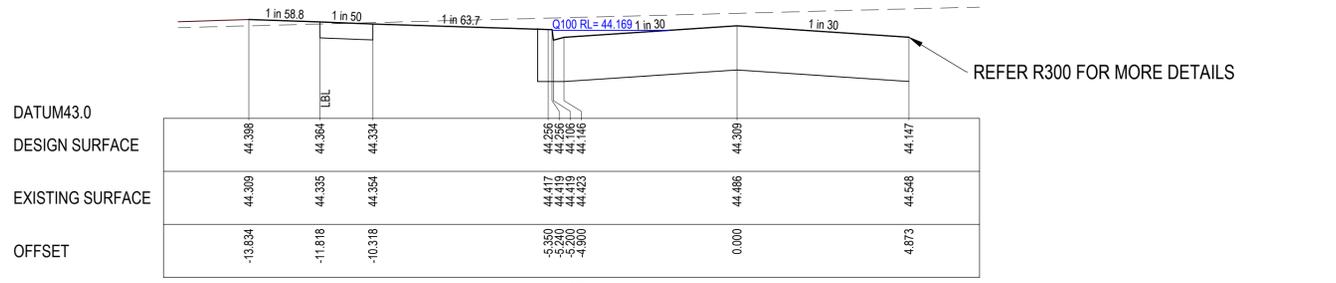


CH 132.826 (RIGHT TANGENT POINT)



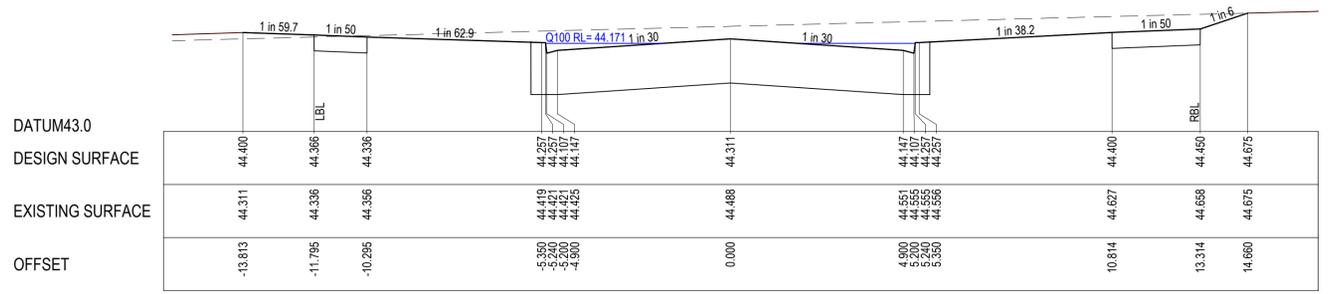
CH 116.105 (LEFT TANGENT POINT AT INTERSECTION)

REFER R300 FOR MORE DETAILS



CH 110.576 (LEFT TANGENT POINT AT INTERSECTION)

REFER R300 FOR MORE DETAILS



CH 110.288 (RIGHT TANGENT POINT)

P:\2018\18016 - VILLAWOOD - ARMSTRONG - STAGE 47B - ROAD CROSS SECTIONS.DWG

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 2 | 16/06/21 | MINOR LEVEL ADJUSTMENTS | C.ROHDE | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

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properties
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creo
CONSULTANTS
Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

ARMSTRONG
AT DUNEDIN

ARMSTRONG - STAGE 47B
ROAD CROSS SECTIONS - 2
CORNFLOWER WAY - SHEET 2

AS CONSTRUCTED

| | | |
|-------------------|-----------------|------------------|
| SCALE AT A1 | DRAWN | DESIGNED |
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R501 | AC |

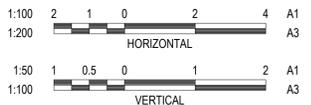
[Signature] 03/12/2021
 SIGNED (CONSULTANT)

[Signature] 02/12/2021
 SIGNED (CONTRACTOR)

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
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 www.1100.com.au

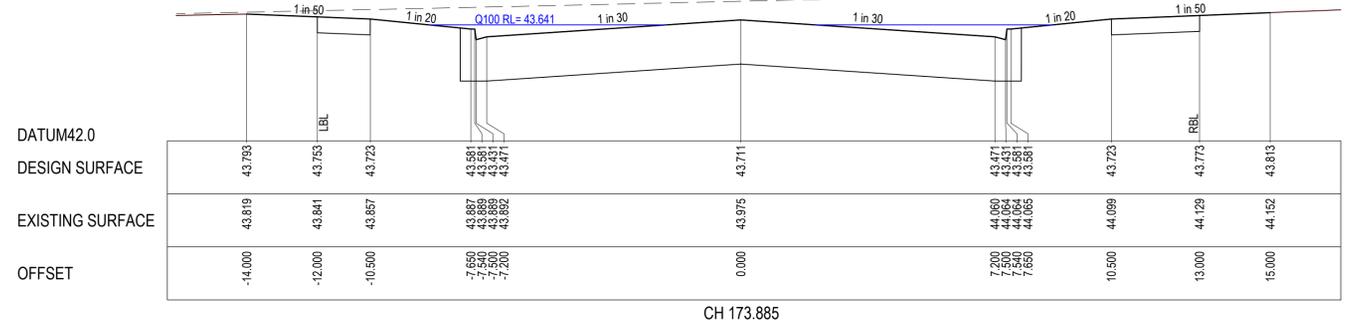
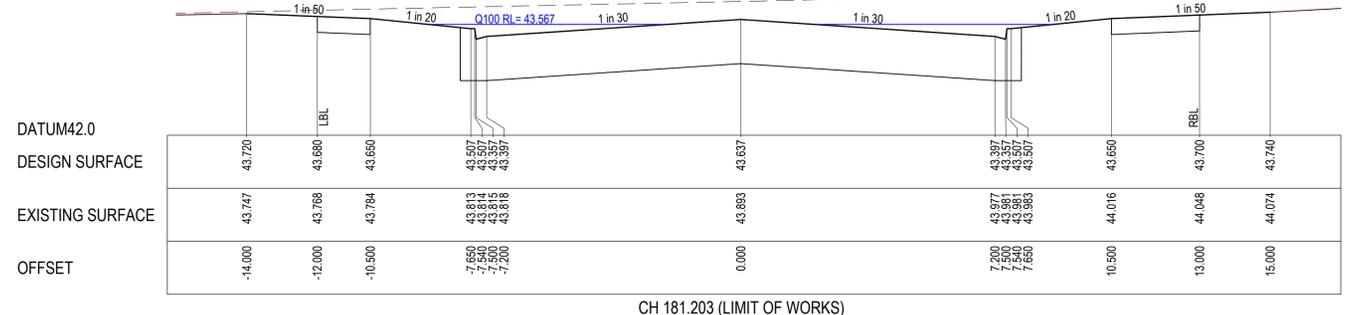
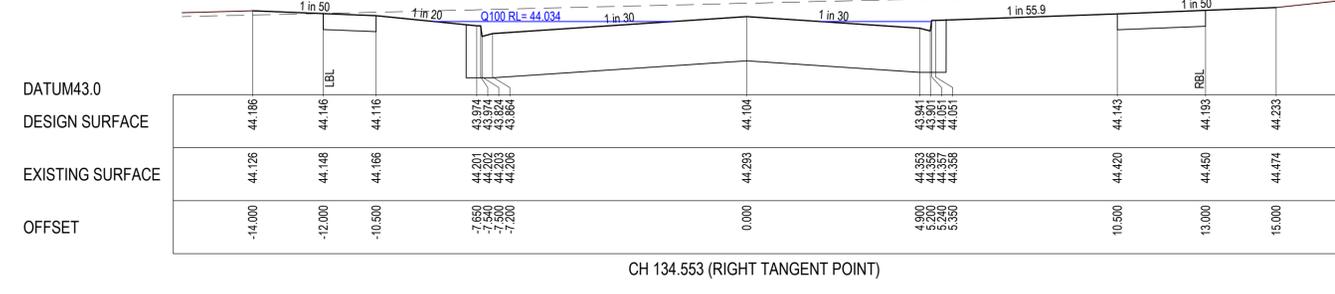
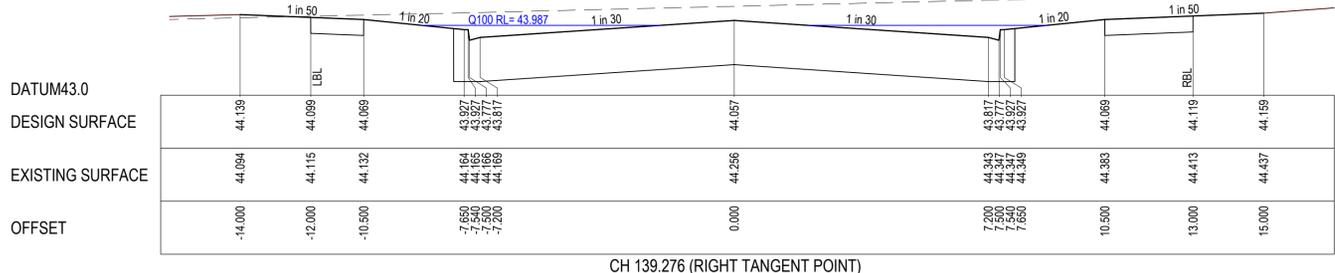
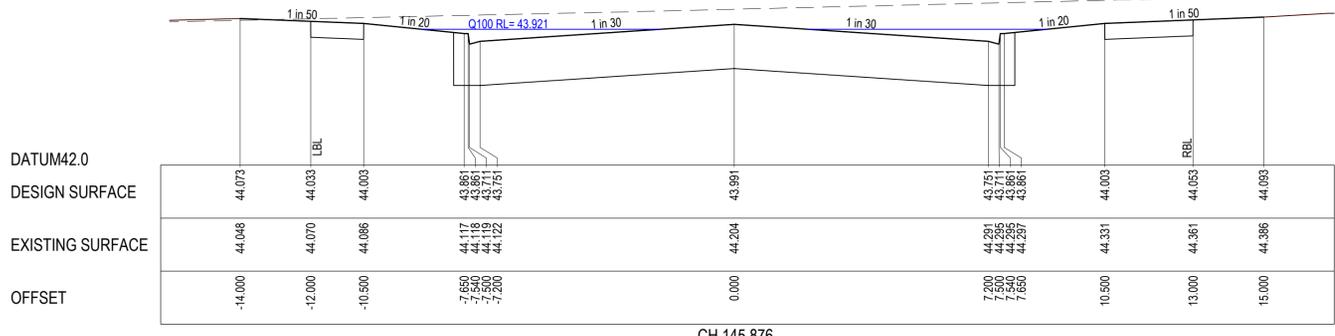
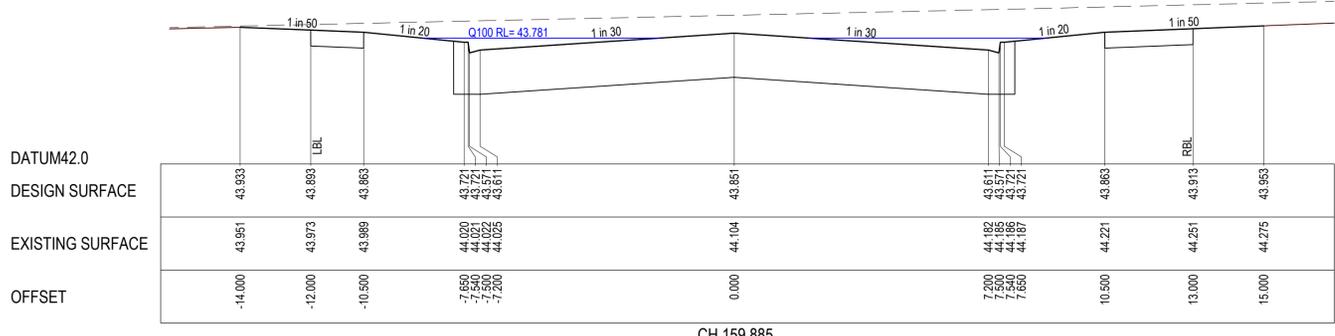
CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

LEGEND
 --- EXISTING SURFACE
 — DESIGN LINE
 ▨ SELECT FILL



NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

NOTE
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES



P:\2018\18016 - VILLAWOOD PARADE STAGES 1&2\18016_47B - ROAD - ROAD CROSS SECTIONS.DWG

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 2 | 16/06/21 | MINOR LEVEL ADJUSTMENTS | C.RHODE | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |



**ARMSTRONG - STAGE 47B
 ROAD CROSS SECTIONS - 3
 CORNFLOWER WAY - SHEET 3**

AS CONSTRUCTED

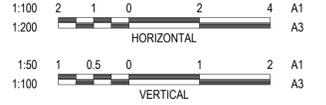
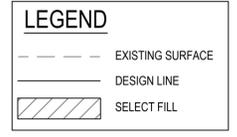
| | | |
|-------------------|-----------------|------------------|
| SCALE AT A1 | DRAWN | DESIGNED |
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R502 | AC |

[Signature] 03/12/2021
 SIGNED (CONSULTANT)

[Signature] 02/12/2021
 SIGNED (CONTRACTOR)

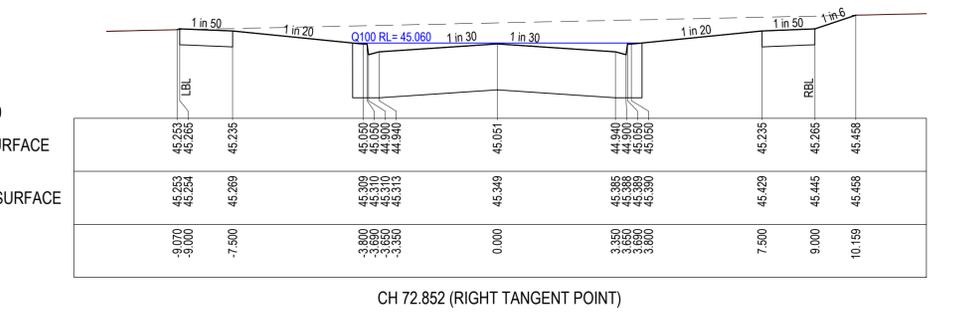
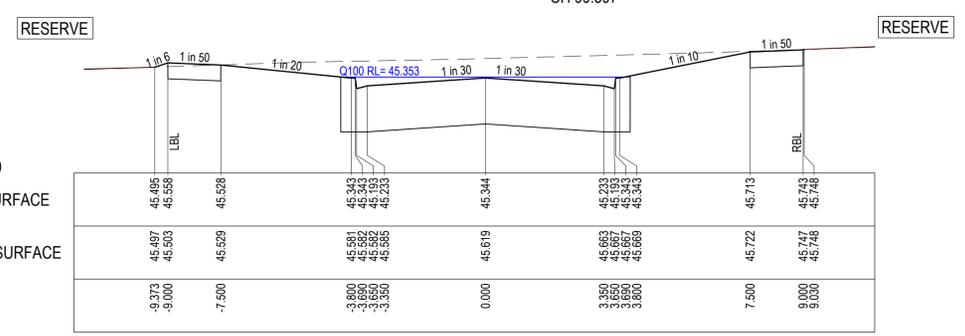
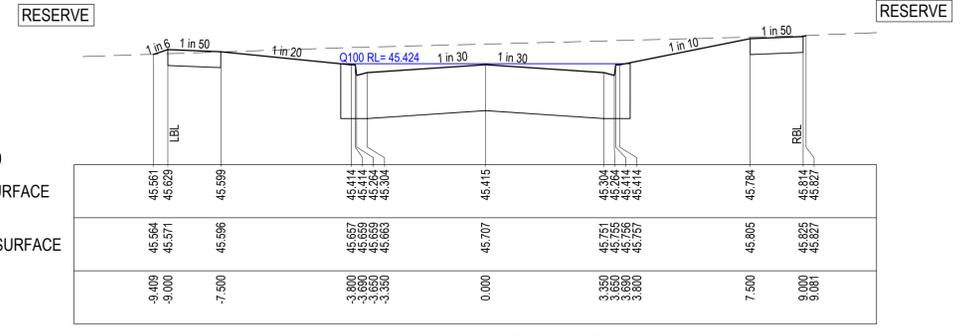
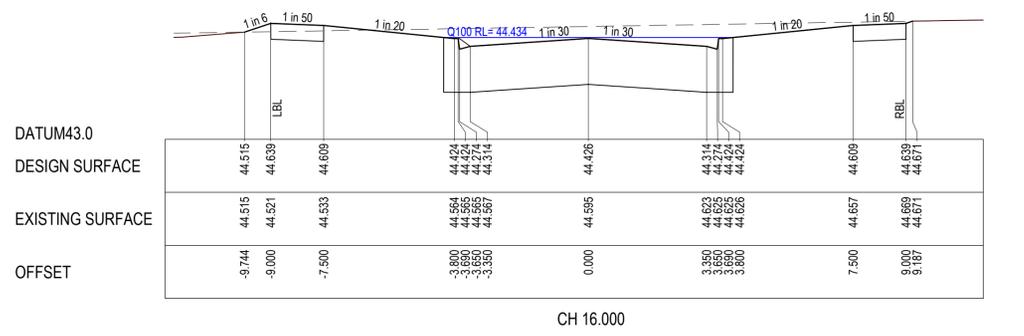
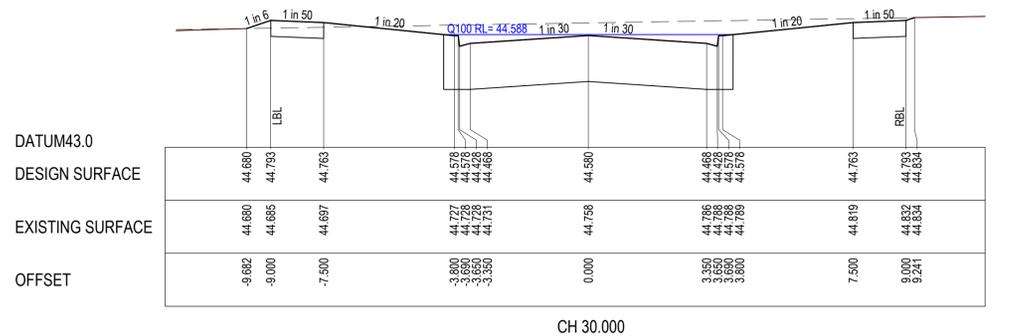
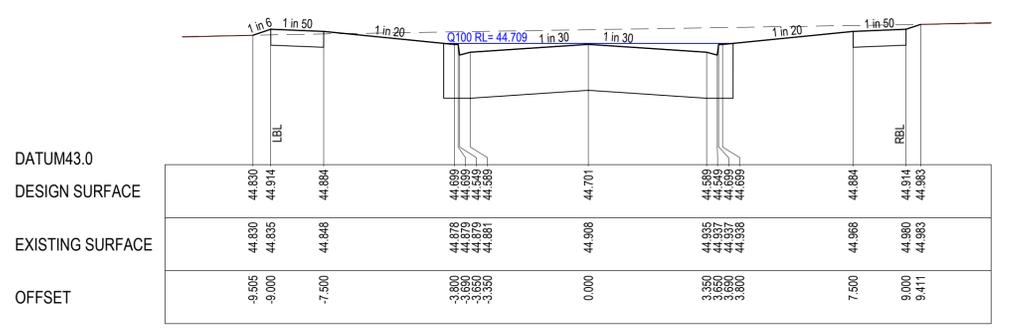
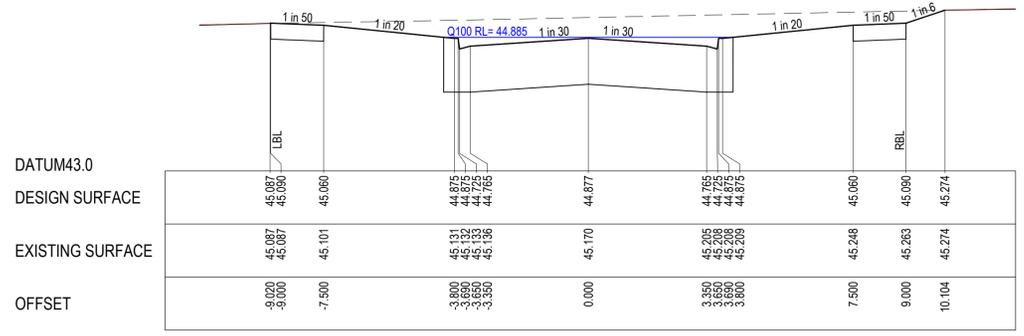
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL



NOTE
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

NOTE
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES



P:\2018\18016 - VILLAWOOD RESTORATION\18016_47B\CH 16 - ROAD CROSS SECTIONS.DWG

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | IW & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

CLIENT

Communities Designed for Living

PROJECT

Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

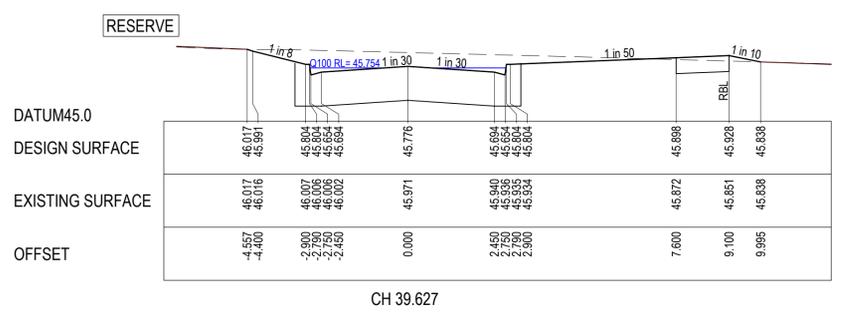
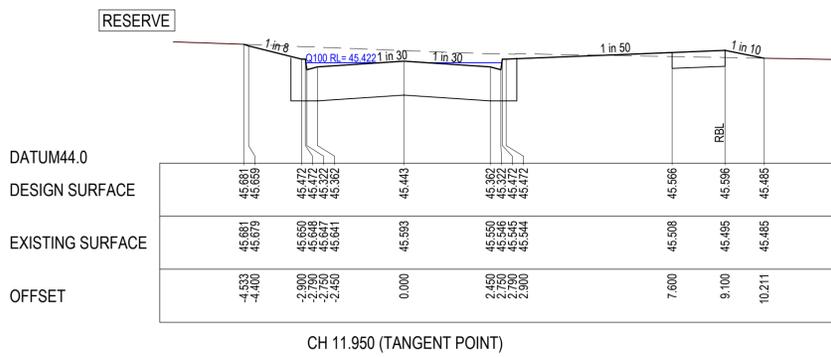
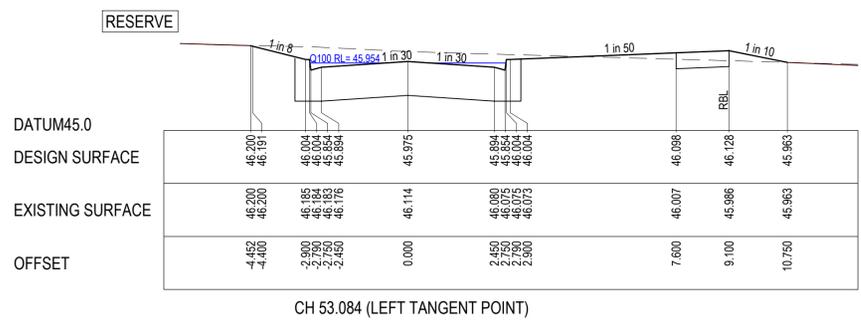
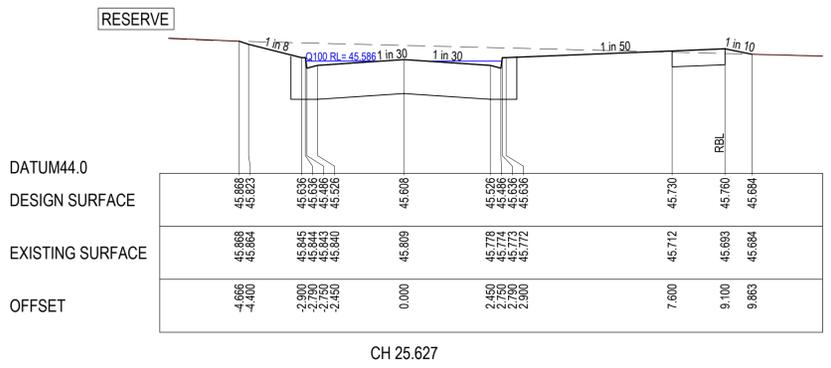
DRAWING TITLE

ARMSTRONG - STAGE 47B
 ROAD CROSS SECTIONS - 4
 NECTAR DRIVE

STATUS

AS CONSTRUCTED

| | | |
|------------------|-----------------|------------------|
| SCALE AT A1 | DRAWN | DESIGNED |
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R503 | AC |



[Signature] 03/12/2021
SIGNED (CONSULTANT)

[Signature] 02/12/2021
SIGNED (CONTRACTOR)

P:\2018\18016 - VILLAWOOD ARMSTRONG (18016) REVISED 4/18/2021\2 - DRAFTING\CA\01\18016_47B - R500 - ROAD CROSS SECTIONS.DWG

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 02/12/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

CLIENT

Communities Designed for Living

PROJECT

Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

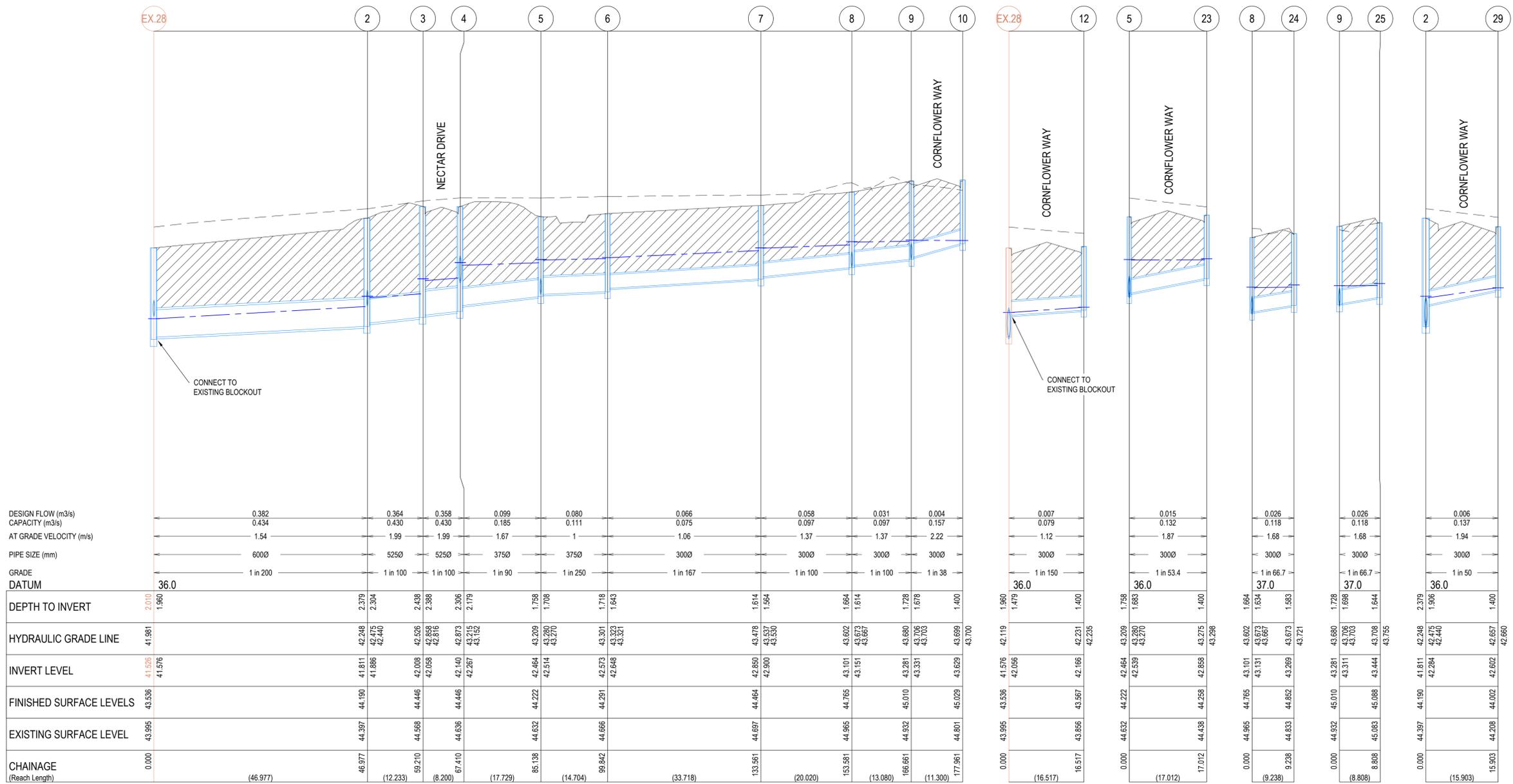
DRAWING TITLE

**ARMSTRONG - STAGE 47B
ROAD CROSS SECTIONS - 5
JOURNEY CRESCENT**

STATUS

AS CONSTRUCTED

| | | |
|-------------------|-----------------|------------------|
| SCALE AT A1 | DRAWN | DESIGNED |
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R504 | AC |



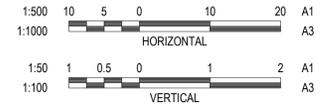
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 5 | 23 | 8 | 24 | 9 | 25 | 2 | 29 |
|-------------------------|----------|----------|----------|---------|----------|---|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|---------|---|----|
| DESIGN FLOW (m3/s) | 0.382 | 0.364 | 0.358 | 0.099 | 0.080 | | 0.066 | 0.058 | 0.031 | 0.007 | 0.015 | 0.026 | 0.026 | 0.026 | 0.026 | 0.006 | | |
| CAPACITY (m3/s) | 0.434 | 0.430 | 0.430 | 0.185 | 0.111 | | 0.075 | 0.097 | 0.097 | 0.079 | 0.132 | 0.118 | 0.118 | 0.118 | 0.118 | 0.137 | | |
| AT GRADE VELOCITY (m/s) | 1.54 | 1.99 | 1.99 | 1.67 | 1 | | 1.06 | 1.37 | 1.37 | 1.12 | 1.87 | 1.68 | 1.68 | 1.68 | 1.68 | 1.94 | | |
| PIPE SIZE (mm) | 6000 | 5250 | 5250 | 3750 | 3750 | | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | | |
| GRADE | 1 in 200 | 1 in 100 | 1 in 100 | 1 in 90 | 1 in 250 | | 1 in 167 | 1 in 100 | 1 in 100 | 1 in 150 | 1 in 53.4 | 1 in 66.7 | 1 in 66.7 | 1 in 66.7 | 1 in 66.7 | 1 in 50 | | |
| DATUM | 36.0 | | | | | | | | | 36.0 | 36.0 | 37.0 | 37.0 | 37.0 | 37.0 | 36.0 | | |
| DEPTH TO INVERT | 2.010 | 2.379 | 2.438 | 1.758 | 1.718 | | 1.664 | 1.728 | 1.400 | 1.960 | 1.664 | 1.664 | 1.664 | 1.664 | 1.728 | 2.379 | | |
| HYDRAULIC GRADE LINE | 41.981 | 42.248 | 42.526 | 43.209 | 43.301 | | 43.602 | 43.680 | 43.728 | 42.119 | 42.222 | 42.275 | 42.275 | 42.275 | 42.275 | 42.248 | | |
| INVERT LEVEL | 41.576 | 41.811 | 42.088 | 42.464 | 42.514 | | 43.101 | 43.281 | 43.331 | 42.086 | 42.539 | 42.588 | 42.588 | 42.588 | 42.588 | 42.284 | | |
| FINISHED SURFACE LEVELS | 43.536 | 44.190 | 44.446 | 44.222 | 44.221 | | 44.765 | 45.010 | 45.029 | 43.536 | 44.222 | 44.438 | 44.438 | 44.438 | 44.438 | 44.190 | | |
| EXISTING SURFACE LEVEL | 43.995 | 44.397 | 44.568 | 44.632 | 44.666 | | 44.965 | 44.932 | 44.801 | 43.995 | 44.632 | 44.833 | 44.833 | 44.833 | 44.833 | 44.397 | | |
| CHAINAGE (Reach Length) | 0.000 | 46.977 | 59.210 | 67.410 | 85.138 | | 133.561 | 166.661 | 177.961 | 0.000 | 0.000 | 9.238 | 9.238 | 9.238 | 8.808 | 0.000 | | |

NOTES

- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
- ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
- ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
- WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
- ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE

REINFORCED CONCRETE PIPES

ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989. LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.



LEGEND

| | |
|--|----------------------------|
| | EXISTING SURFACE |
| | DESIGN SURFACE |
| | DRAINAGE PIPE/PIT |
| | EXISTING DRAINAGE PIPE/PIT |
| | HYDRAULIC GRADE LINE |
| | CRUSHED ROCK BACKFILL |

[Signature] 03/12/2021
SIGNED (CONSULTANT)

[Signature] 02/12/2021
SIGNED (CONTRACTOR)

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES

The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works

DIAL 1100 BEFORE YOU DIG
www.1100.com.au

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | I.W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

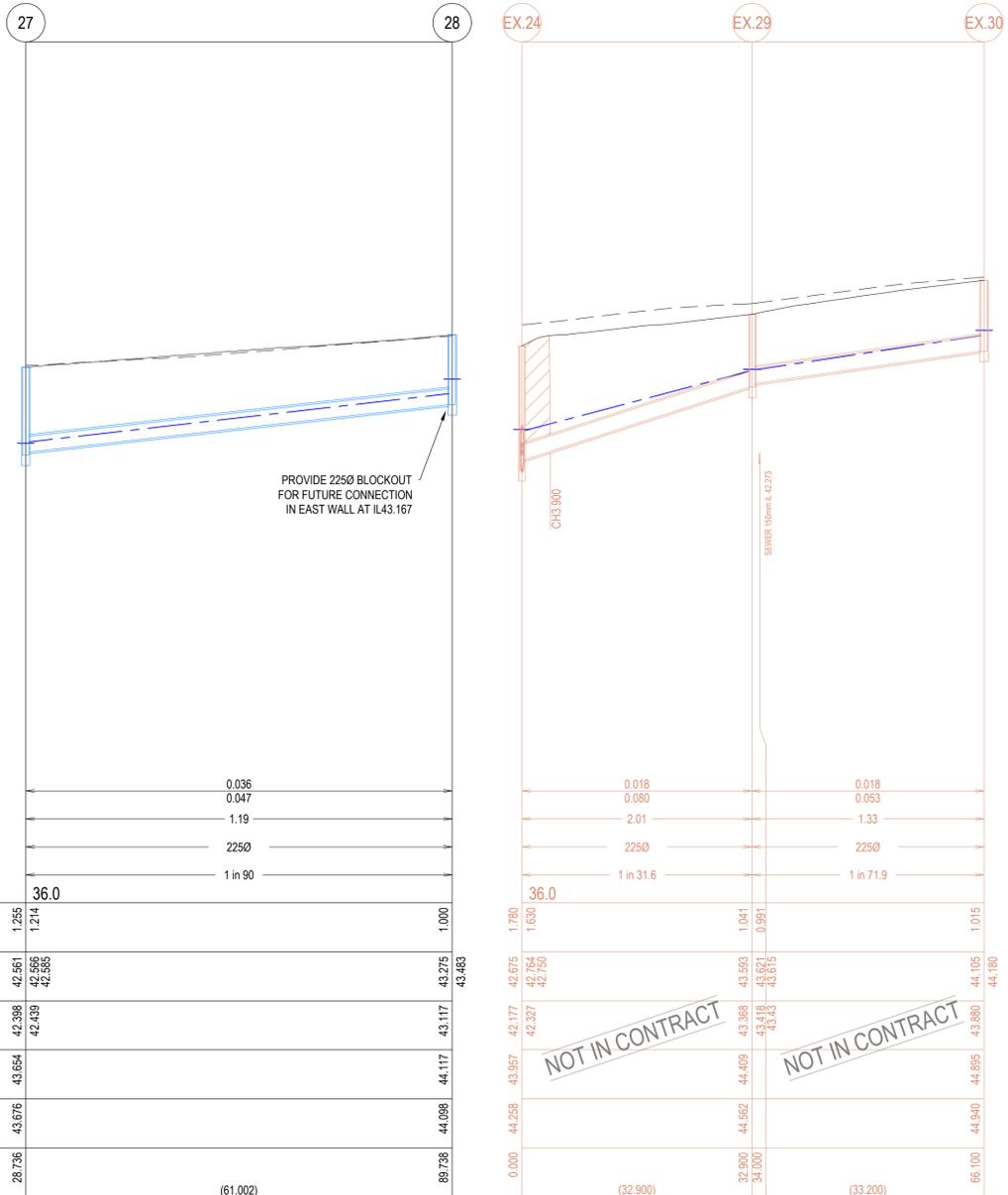


DRAWING TITLE
**ARMSTRONG - STAGE 47B
DRAINAGE LONG SECTIONS - 1**

STATUS
AS CONSTRUCTED

| SCALE AT A1 | DRAWN | DESIGNED |
|-------------------|-----------------|------------------|
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R600 | AC |

P:2018/00016 - VILLAWOOD PROPERTIES (18016) 47B - R600 - DRAINAGE LONG SECTIONS.DWG

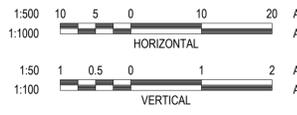


| | | |
|---------------------------------|--------------------|------------------|
| DESIGN FLOW (m ³ /s) | 0.036 | |
| CAPACITY (m ³ /s) | 0.047 | |
| AT GRADE VELOCITY (m/s) | 1.19 | |
| PIPE SIZE (mm) | 2250 | |
| GRADE | 1 in 90 | |
| DATUM | 36.0 | |
| DEPTH TO INVERT | 1.255 1.214 | 1.000 |
| HYDRAULIC GRADE LINE | 42.561 42.585 | 43.275 43.483 |
| INVERT LEVEL | 42.388 42.439 | 43.117 |
| FINISHED SURFACE LEVELS | 43.654 | 44.117 |
| EXISTING SURFACE LEVEL | 43.676 | 44.098 |
| CHAINAGE (Reach Length) | 28.736 (61.002) | 89.738 |

- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
 - ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE, ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
 - ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
 - ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
 - WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
 - ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE

REINFORCED CONCRETE PIPES
 ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS 3725-1989. LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

NOTE:
 IN ACCORDANCE WITH C.O.G.G DESIGN NOTE 8 (DATED JANUARY 2020) EXISTING DRAINAGE LOCATED WITHIN PROPOSED STAGE WORKS ARE REQUIRED TO BE RE-CCTVD TO CONFIRM NO CONSEQUENTIAL DAMAGE HAS OCCURRED.



LEGEND

| | |
|--|----------------------------|
| | EXISTING SURFACE |
| | DESIGN SURFACE |
| | DRAINAGE PIPE/PIT |
| | EXISTING DRAINAGE PIPE/PIT |
| | HYDRAULIC GRADE LINE |
| | CRUSHED ROCK BACKFILL |

[Signature] 03/12/2021
 SIGNED (CONSULTANT)

[Signature] 02/12/2021
 SIGNED (CONTRACTOR)

WARNING
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DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

P:\2018\80016 - VILLAWOOD PARKSTRONG (8016) 47B - R602 - DRAINAGE LONG SECTIONS.DWG

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | IW & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |



**ARMSTRONG - STAGE 47B
 DRAINAGE LONG SECTIONS - 3**

AS CONSTRUCTED

| | | |
|-------------------|-----------------|------------------|
| SCALE AT A1 | DRAWN | DESIGNED |
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R602 | AC |

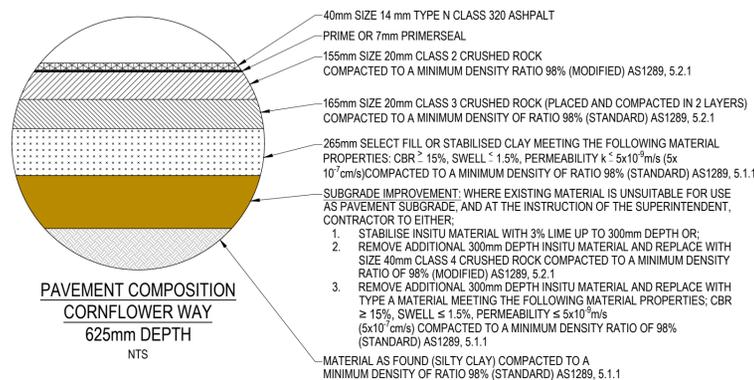
| PIT SCHEDULE | | | | | | | | | | | |
|--------------|------------------|------------|-------------|-----------|---------------|-----------|---------------|-----------------|-----------|-------------------|----------------------------------------------------------------------|
| PIT NUMBER | TYPE | INTERNAL | | INLET | | OUTLET | | COVER LEVEL (m) | DEPTH (m) | STANDARD DRAWING | REMARKS |
| | | WIDTH (mm) | LENGTH (mm) | DIA. (mm) | INVERT RL (m) | DIA. (mm) | INVERT RL (m) | | | | |
| EX.28 | EXISTING PIT | 900 | 900 | 600 | 41.576 | 600.000 | 41.526 | 43.536 | 1.414 | | CONNECT TO EXISTING BLOCKOUT |
| | | | | 300 | 42.057 | | | 43.536 | 1.96 | | CONNECT TO EXISTING PIT AND MAKE GOOD CONNECTION |
| 2 | JUNCTION PIT | 900 | 900 | 525 | 41.886 | 600.000 | 41.811 | 44.190 | 2.379 | IDM SD420 & SD410 | HAUNCHED TO 600 x 900 COVER |
| | | | | 300 | 42.284 | | | 44.190 | 2.379 | | |
| 3 | SIDE ENTRY PIT | 900 | 900 | 525 | 42.058 | 525.000 | 42.008 | 44.446 | 2.438 | IDM SD430 & SD410 | HAUNCHED TO 600 x 900 COVER |
| 4 | SIDE ENTRY PIT | 900 | 900 | 375 | 42.267 | 525.000 | 42.140 | 44.446 | 2.306 | IDM SD430 & SD410 | HAUNCHED TO 600 x 900 COVER |
| | | | | 525 | 42.800 | | | 44.446 | 2.306 | | |
| 5 | SIDE ENTRY PIT | 600 | 900 | 375 | 42.514 | 375.000 | 42.464 | 44.222 | 1.758 | IDM SD430 | |
| | | | | 300 | 42.539 | | | 44.222 | 1.758 | | |
| 6 | SIDE ENTRY PIT | 600 | 900 | 300 | 42.648 | 375.000 | 42.573 | 44.291 | 1.718 | IDM SD430 | |
| 7 | SIDE ENTRY PIT | 600 | 900 | 300 | 42.900 | 300.000 | 42.850 | 44.464 | 1.613 | IDM SD430 | |
| 8 | SIDE ENTRY PIT | 600 | 900 | 300 | 43.151 | 300.000 | 43.101 | 44.765 | 1.664 | IDM SD430 | |
| | | | | 300 | 43.131 | | | 44.765 | 1.664 | | |
| 9 | SIDE ENTRY PIT | 600 | 900 | 300 | 43.331 | 300 | 43.281 | 45.01 | 1.728 | IDM SD430 | |
| | | | | 300 | 43.311 | | | 45.010 | 1.728 | | |
| 10 | SIDE ENTRY PIT | 600 | 900 | | | 300 | 43.629 | 45.010 | 1.381 | IDM SD430 | |
| 12 | SIDE ENTRY PIT | 600 | 900 | | | 300 | 42.167 | 43.567 | 1.400 | IDM SD430 | |
| 13 | SIDE ENTRY PIT | 900 | 900 | 225 | 43.400 | 525 | 43.071 | 44.758 | 1.651 | IDM SD430 | |
| | | | | 525 | 43.121 | | | 44.758 | 1.658 | | |
| 14 | SIDE ENTRY PIT | 900 | 900 | 300 | 43.511 | | | 45.058 | 1.772 | IDM SD430 | |
| | | | | 450 | 43.361 | 525 | 43.286 | 45.058 | 1.772 | | |
| 15 | SIDE ENTRY PIT | 600 | 900 | 300 | 44.085 | 300 | 43.690 | 45.485 | 1.795 | IDM SD430 | |
| | | | | 300 | 44.085 | | | 45.485 | 1.795 | | |
| 16 | SIDE ENTRY PIT | 600 | 900 | 300 | 44.476 | 300 | 44.426 | 45.903 | 1.478 | IDM SD430 | |
| 17 | SIDE ENTRY PIT | 600 | 900 | | | 300 | 44.550 | 45.950 | 1.400 | IDM SD430 | |
| 18 | JUNCTION PIT | 600 | 900 | | | 225 | 44.450 | 45.363 | 0.913 | IDM SD425 | |
| 19 | SIDE ENTRY PIT | 600 | 900 | | | 300 | 44.149 | 45.516 | 1.367 | IDM SD430 | |
| 20 | SIDE ENTRY PIT | 900 | 900 | 300 | 43.803 | 450 | 43.653 | 45.382 | 1.730 | IDM SD430 | |
| | | | | 450 | 43.703 | | | 45.382 | 1.730 | | |
| 21 | SIDE ENTRY PIT | 600 | 900 | | | 300 | 43.885 | 45.367 | 1.483 | IDM SD430 | |
| 22EP | ENDPIPE | | | 450 | 43.741 | | | 45.443 | 1.703 | | CAP & SEAL ENDPIPE FOR FUTURE CONNECTION |
| 23 | SIDE ENTRY PIT | 600 | 900 | | | 300 | 42.858 | 44.258 | 1.400 | IDM SD430 | |
| 24 | GRATED PIT | 600 | 900 | | | 300 | 43.269 | 44.852 | 1.583 | IDM SD455 | |
| 25 | GRATED PIT | 600 | 900 | | | 300 | 43.444 | 45.088 | 1.644 | IDM SD455 | |
| EX.35EP | EXISTING ENDPIPE | | | 300 | 42.111 | | | 43.451 | 1.340 | | CONNECT TO EXISTING ENDPIPE |
| 27 | JUNCTION PIT | 600 | 900 | 225 | 42.439 | 300 | 42.398 | 43.654 | 1.256 | IDM SD425 | |
| 28 | JUNCTION PIT | 600 | 900 | FUT. 225 | 43.167 | 225 | 43.117 | 44.117 | 1.000 | IDM SD425 | PROVIDE 225Ø BLOCKOUT FOR FUTURE CONNECTION IN EAST WALL AT IL43.167 |
| 29 | SIDE ENTRY PIT | 600 | 900 | | | 300 | 42.602 | 44.002 | 1.400 | IDM SD430 | |

NOTE:
PIT COVERS ARE TO BE PROVIDED IN ACCORDANCE WITH CITY OF GREATER GEELONG DESIGN NOTE 13. ALL PITS WITHIN ROAD RESERVE ARE TO BE CLASS C FIBREGLASS REINFORCED PLASTIC (FRP) UNLESS AGREED OTHERWISE.

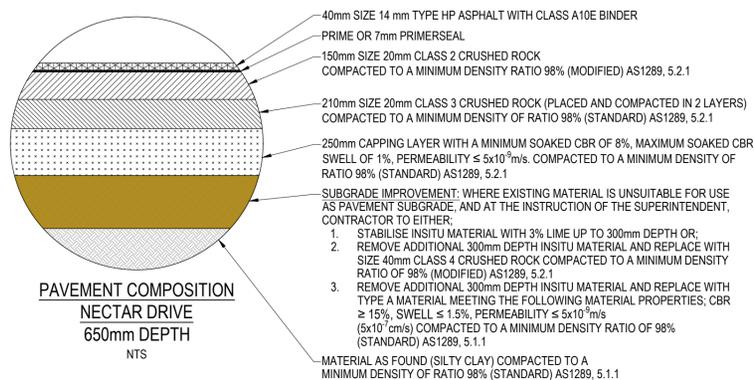
[Signature] 03/12/2021
SIGNED (CONSULTANT)
[Signature] 02/12/2021
SIGNED (CONTRACTOR)

| <table border="1"> <thead> <tr> <th>REVISION</th> <th>DATE</th> <th>ISSUE DESCRIPTION</th> <th>DRAWN</th> <th>CHECKED</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td>AC</td> <td>15/11/2021</td> <td>AS CONSTRUCTED</td> <td>B.LEECH</td> <td>M.TROUNCE</td> <td>T.PALIOS</td> </tr> <tr> <td>6</td> <td>15/07/2021</td> <td>LOT4740 CROSSOVER CHANGE</td> <td>B.LEECH</td> <td>M.TROUNCE</td> <td>T.PALIOS</td> </tr> <tr> <td>2</td> <td>30/04/21</td> <td>REVISED TO SUIT ALTERED POS (LOTS 4738-4745)</td> <td>C.ROHDE</td> <td>M.TROUNCE</td> <td>T.PALIOS</td> </tr> <tr> <td>1</td> <td>26/03/21</td> <td>W & RW OFFSETS UPDATED</td> <td>I.HOGAN</td> <td>M.TROUNCE</td> <td>T.PALIOS</td> </tr> <tr> <td>0</td> <td>12/01/21</td> <td>CONSTRUCTION ISSUE</td> <td>I.H.</td> <td>M.T.</td> <td>T.P.</td> </tr> <tr> <td>C</td> <td>16/12/20</td> <td>COUNCIL COMMENTS DATED 10/12/20</td> <td>I.H.</td> <td>M.T.</td> <td>T.P.</td> </tr> <tr> <td>B</td> <td>02/12/20</td> <td>COUNCIL COMMENTS DATED 30/11/20</td> <td>I.H.</td> <td>M.T.</td> <td>T.P.</td> </tr> <tr> <td>A</td> <td>17/11/20</td> <td>ISSUED FOR APPROVAL</td> <td>I.H.</td> <td>M.T.</td> <td>T.P.</td> </tr> </tbody> </table> | REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED | AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS | 6 | 15/07/2021 | LOT4740 CROSSOVER CHANGE | B.LEECH | M.TROUNCE | T.PALIOS | 2 | 30/04/21 | REVISED TO SUIT ALTERED POS (LOTS 4738-4745) | C.ROHDE | M.TROUNCE | T.PALIOS | 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS | 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. | C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. | B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. | A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |  <p>Communities Designed for Living</p> |  <p>Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002</p> |  | ARMSTRONG - STAGE 47B DRAINAGE PIT SCHEDULE | AS CONSTRUCTED | <table border="1"> <tr> <td>SCALE AT A1</td> <td>DRAWN</td> <td>DESIGNED</td> </tr> <tr> <td>AS SHOWN</td> <td>I.HOGAN</td> <td>I.HOGAN</td> </tr> <tr> <td>PROJECT ENGINEER</td> <td>PROJECT MANAGER</td> <td>DATE FIRST ISSUE</td> </tr> <tr> <td>M.TROUNCE</td> <td>T.PALIOS</td> <td>NOVEMBER 2020</td> </tr> <tr> <td>PROJECT No.</td> <td>DRAWING No.</td> <td>REVISION</td> </tr> <tr> <td>180016.47B</td> <td>R603</td> <td>AC</td> </tr> </table> | SCALE AT A1 | DRAWN | DESIGNED | AS SHOWN | I.HOGAN | I.HOGAN | PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE | M.TROUNCE | T.PALIOS | NOVEMBER 2020 | PROJECT No. | DRAWING No. | REVISION | 180016.47B | R603 | AC |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------|-------------------|-----------|----------|----------|----|------------|----------------|---------|-----------|----------|---|------------|--------------------------|---------|-----------|----------|---|----------|----------------------------------------------|---------|-----------|----------|---|----------|------------------------|---------|-----------|----------|---|----------|--------------------|------|------|------|---|----------|---------------------------------|------|------|------|---|----------|---------------------------------|------|------|------|---|----------|---------------------|------|------|------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|----------|----------|---------|---------|------------------|-----------------|------------------|-----------|----------|---------------|-------------|-------------|----------|-------------------|-------------|-----------|
| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 15/07/2021 | LOT4740 CROSSOVER CHANGE | B.LEECH | M.TROUNCE | T.PALIOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 30/04/21 | REVISED TO SUIT ALTERED POS (LOTS 4738-4745) | C.ROHDE | M.TROUNCE | T.PALIOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SCALE AT A1 | DRAWN | DESIGNED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AS SHOWN | I.HOGAN | I.HOGAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT No. | DRAWING No. | REVISION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180016.47B | R603 | AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

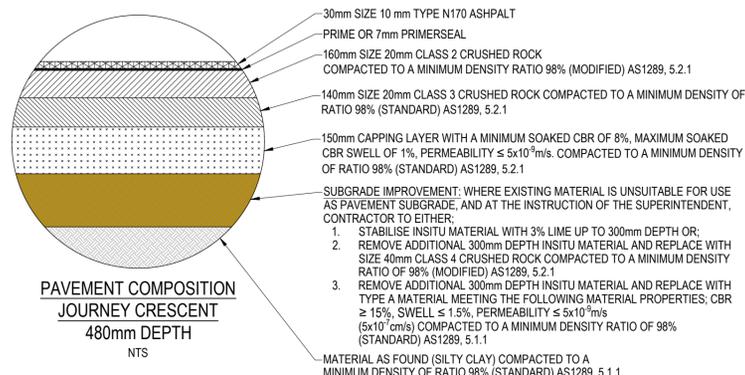
P:\2018\80016 - VILLAWOOD ARMSTRONG\80016\80016_47B - R603 - DRAINAGE LONG SECTIONS.DWG



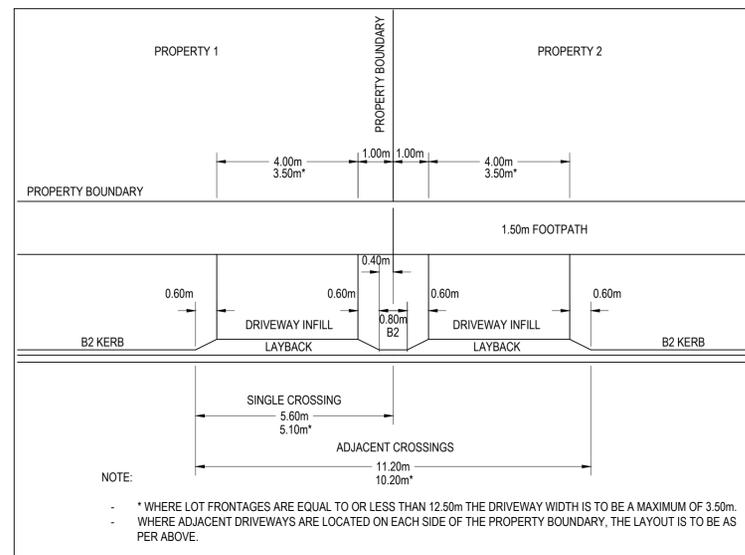
NOTE:
DETAIL PROVIDED IN ACCORDANCE WITH GEOTECHNICAL REPORT PREPARED BY TONKIN & TAYLOR DATED APRIL 2014.



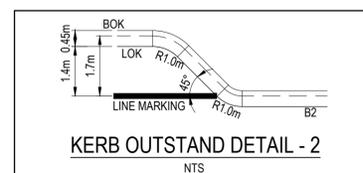
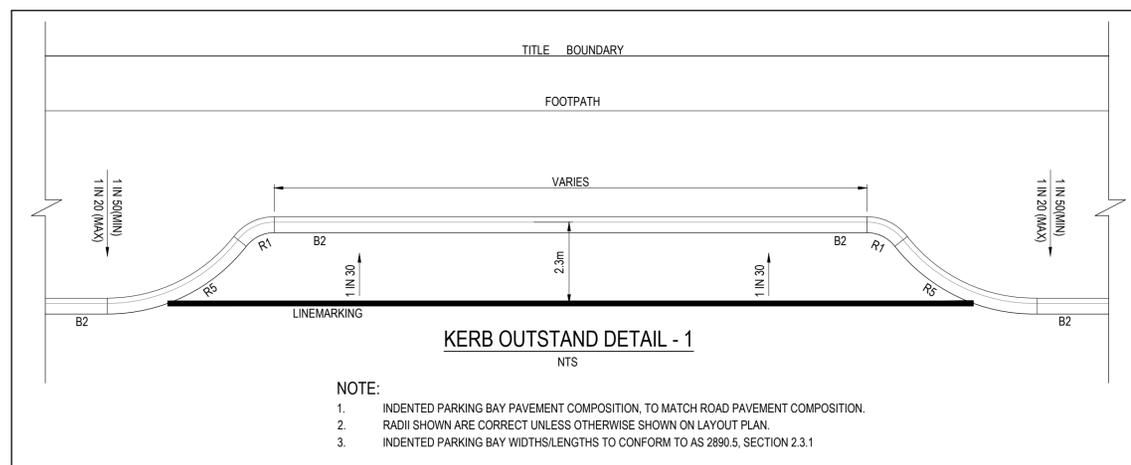
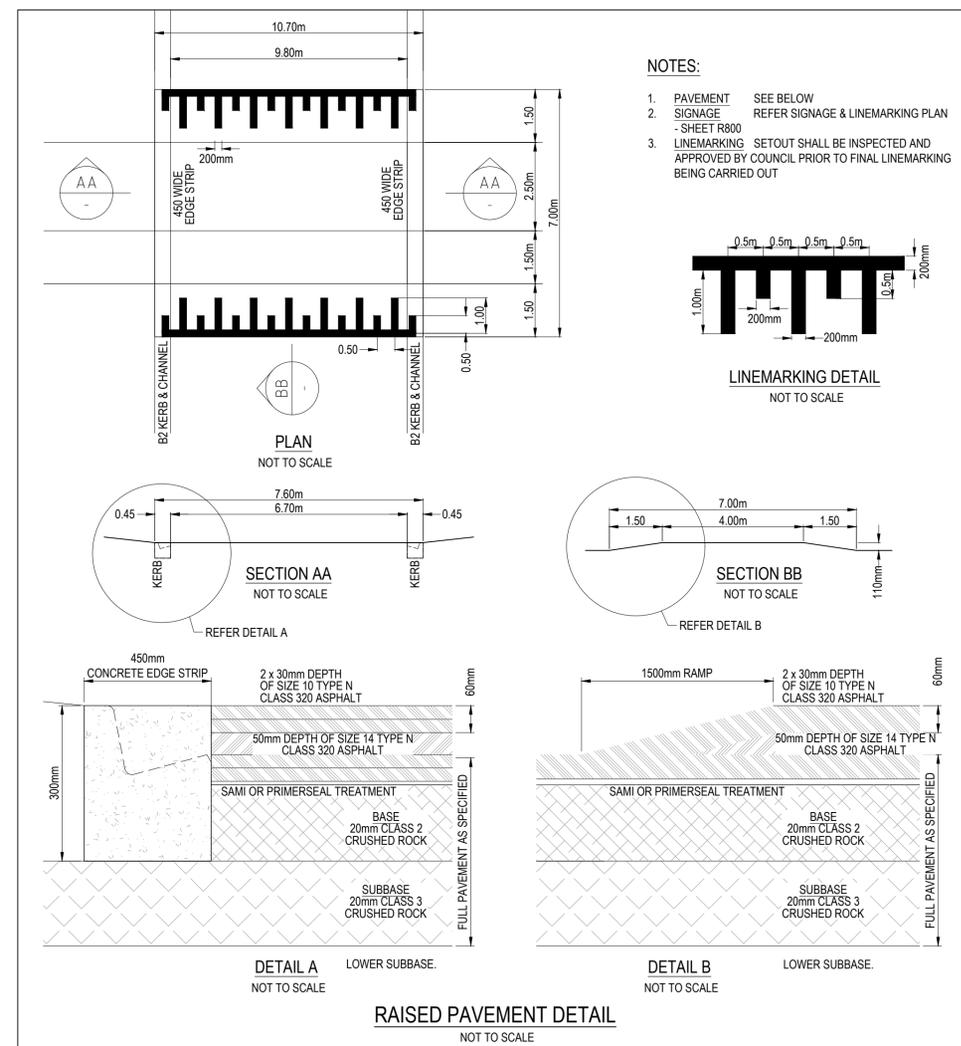
NOTE:
DETAIL PROVIDED IN ACCORDANCE WITH GEOTECHNICAL REPORT PREPARED BY DOUGLAS PARTNERS DATED MARCH 2020.



NOTE:
DETAIL PROVIDED IN ACCORDANCE WITH GEOTECHNICAL REPORT PREPARED BY DOUGLAS PARTNERS DATED MARCH 2020.



WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.
DIAL 1100 BEFORE YOU DIG
www.1100.com.au



| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | IW & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

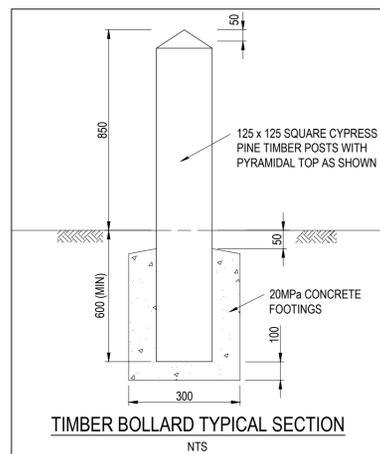
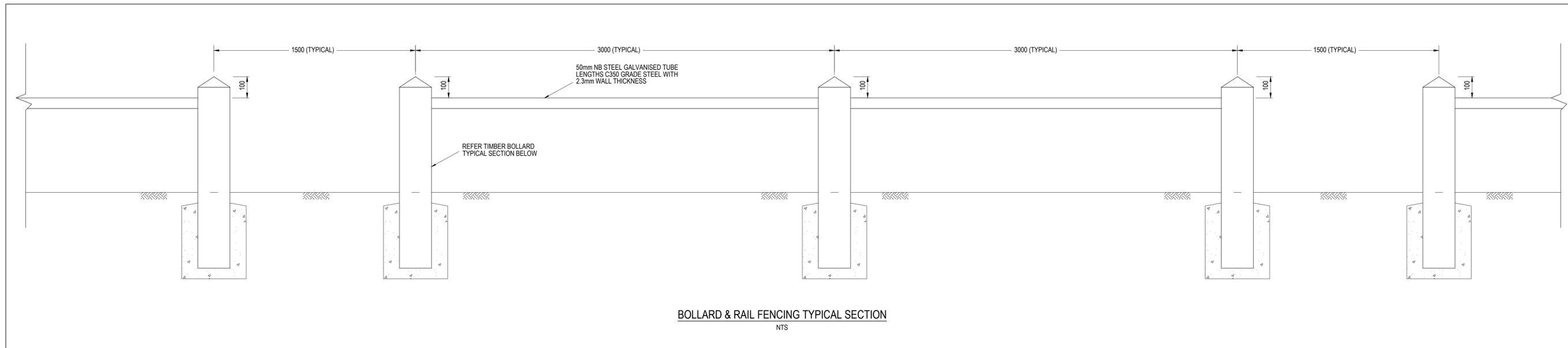


DRAWING TITLE
**ARMSTRONG - STAGE 47B
TYPICAL DETAILS - 1**

STATUS
AS CONSTRUCTED

| SCALE AT A1 | DRAWN | DESIGNED |
|-------------------|-----------------|------------------|
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R700 | AC |

[Signature] 03/12/2021
SIGNED (CONSULTANT)
[Signature] 02/12/2021
SIGNED (CONTRACTOR)



[Signature] 03/12/2021
SIGNED (CONSULTANT)

[Signature] 02/12/2021
SIGNED (CONTRACTOR)

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| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
| B | 02/12/20 | COUNCIL COMMENTS DATED 30/11/20 | I.H. | M.T. | T.P. |
| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

CLIENT

Communities Designed for Living

PROJECT

Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

DRAWING TITLE

ARMSTRONG - STAGE 47B
TYPICAL DETAILS - 2

STATUS

AS CONSTRUCTED

SCALE AT A1

AS SHOWN

PROJECT ENGINEER: M.TROUNCE

DRAWN: I.HOGAN

PROJECT MANAGER: T.PALIOS

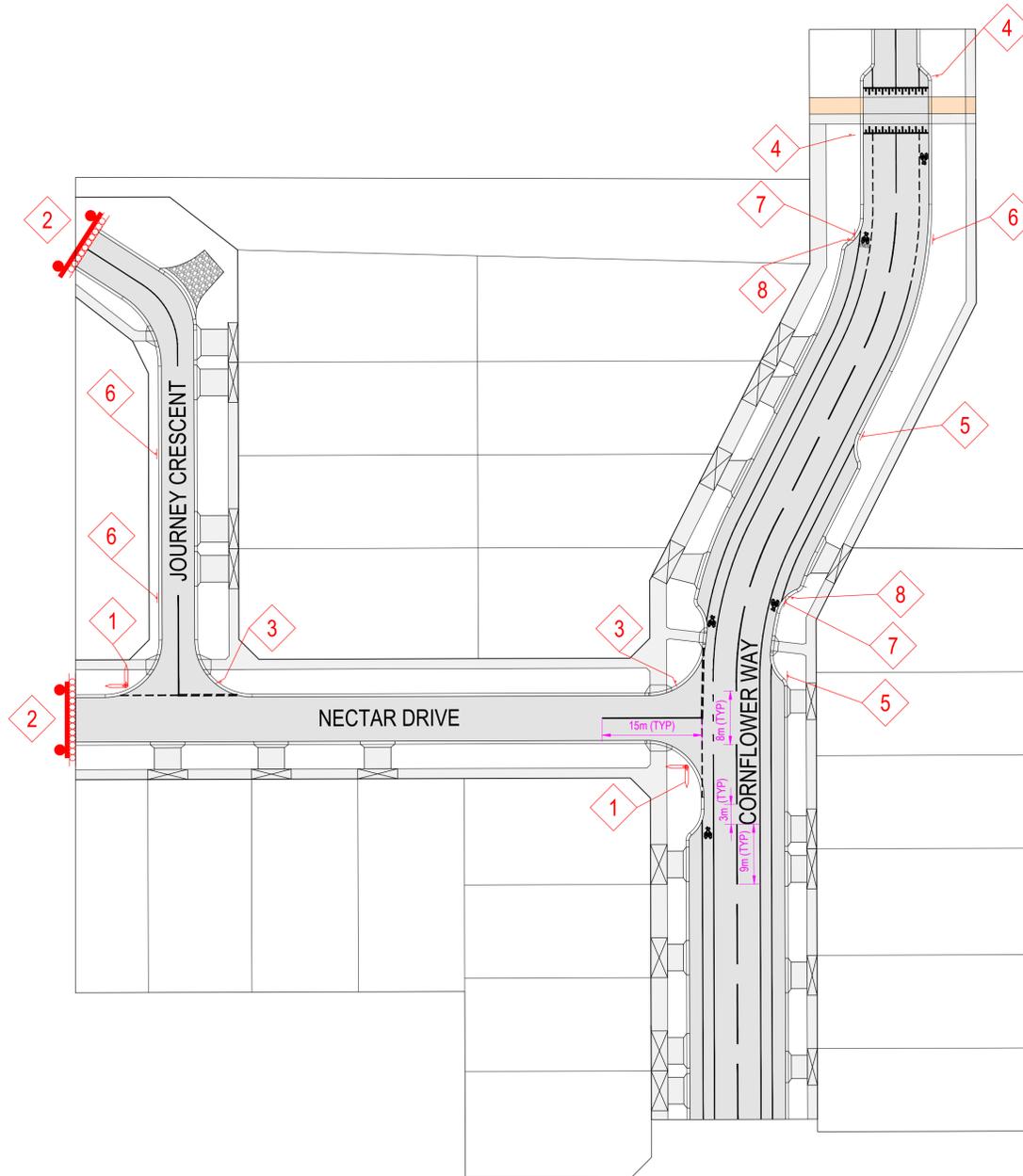
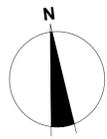
DESIGNED: I.HOGAN

DATE FIRST ISSUE: NOVEMBER 2020

PROJECT No: 180016.47B

DRAWING No: R701

REVISION: AC



 03/12/2021
 SIGNED (CONSULTANT)
 02/12/2021
 SIGNED (CONTRACTOR)

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

SIGN SCHEDULE

| SIGN | REF | QUANTITY |
|----------------------------------------------------------------------------------------------|-----|-------------|
|  | 1 | REFER BELOW |
| STREET SIGN | | |
|  | 2 | 2 No. |
| T2-4A  | | |
| D4-5 | | |
|  | 3 | 2 No. |
| R1-2 | | |
|  | 4 | 2 No. |
| W5-10A | | |
|  | 20 | |
| W8-2A | | |
|  | 5 | 2 No. |
| R5-35L | | |
|  | 6 | 3 No. |
| R5-35 | | |
|  | 7 | 2 No. |
| R5-35R | | |
|  | 8 | 2 No. |
| D4-1-2a | | |

STREET SIGN SCHEDULE

| | |
|----------------|-------|
| CORNFLOWER WAY | 1 No. |
| NECTAR DR | 2 No. |
| JOURNEY CR | 1 No. |



LINEMARKING & SIGNAGE NOTES:

- ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
- ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
- LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
| C | 16/12/20 | COUNCIL COMMENTS DATED 10/12/20 | I.H. | M.T. | T.P. |
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| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |


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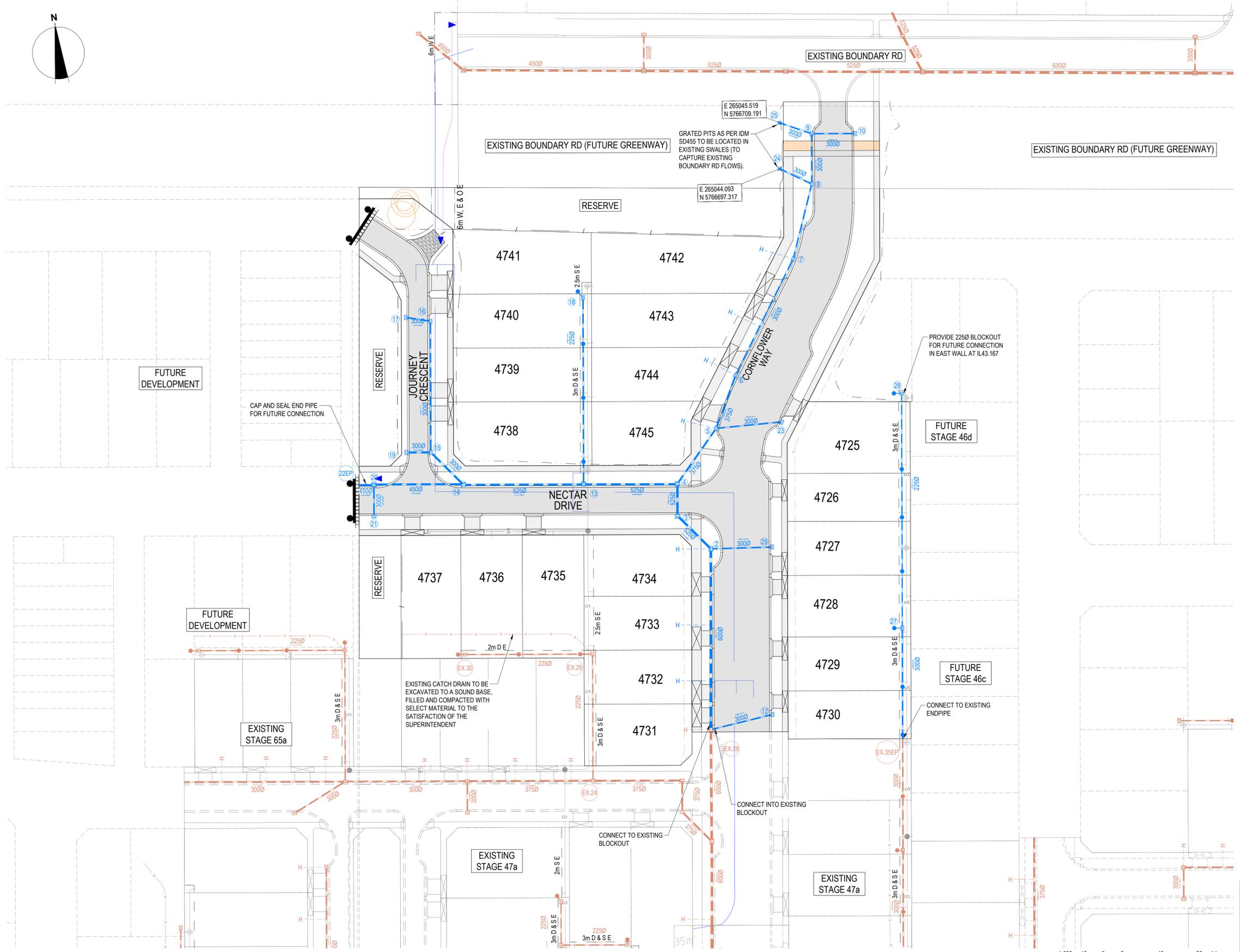
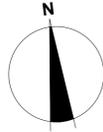

 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002


 MT DUNEED

ARMSTRONG - STAGE 47B
SIGNAGE AND LINEMARKING PLAN

AS CONSTRUCTED

| SCALE AT A1 | DRAWN | DESIGNED |
|-------------------|-----------------|------------------|
| 1:500 @ A1 | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R800 | AC |



 03/12/2021
 SIGNED (CONSULTANT)
 02/12/2021
 SIGNED (CONTRACTOR)

| REVISION | DATE | ISSUE DESCRIPTION | DRAWN | CHECKED | APPROVED |
|----------|------------|---------------------------------|---------|-----------|----------|
| AC | 15/11/2021 | AS CONSTRUCTED | B.LEECH | M.TROUNCE | T.PALIOS |
| 1 | 26/03/21 | W & RW OFFSETS UPDATED | I.HOGAN | M.TROUNCE | T.PALIOS |
| 0 | 12/01/21 | CONSTRUCTION ISSUE | I.H. | M.T. | T.P. |
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| A | 17/11/20 | ISSUED FOR APPROVAL | I.H. | M.T. | T.P. |

CLIENT



Communities Designed for Living

PROJECT



Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

DRAWING TITLE



ARMSTRONG - STAGE 47B
DRAINAGE LAYOUT PLAN

STATUS

AS CONSTRUCTED

| SCALE AT A1 | DRAWN | DESIGNED |
|------------------|-----------------|------------------|
| AS SHOWN | I.HOGAN | I.HOGAN |
| PROJECT ENGINEER | PROJECT MANAGER | DATE FIRST ISSUE |
| M.TROUNCE | T.PALIOS | NOVEMBER 2020 |
| PROJECT No. | DRAWING No. | REVISION |
| 180016.47B | R900 | AC |