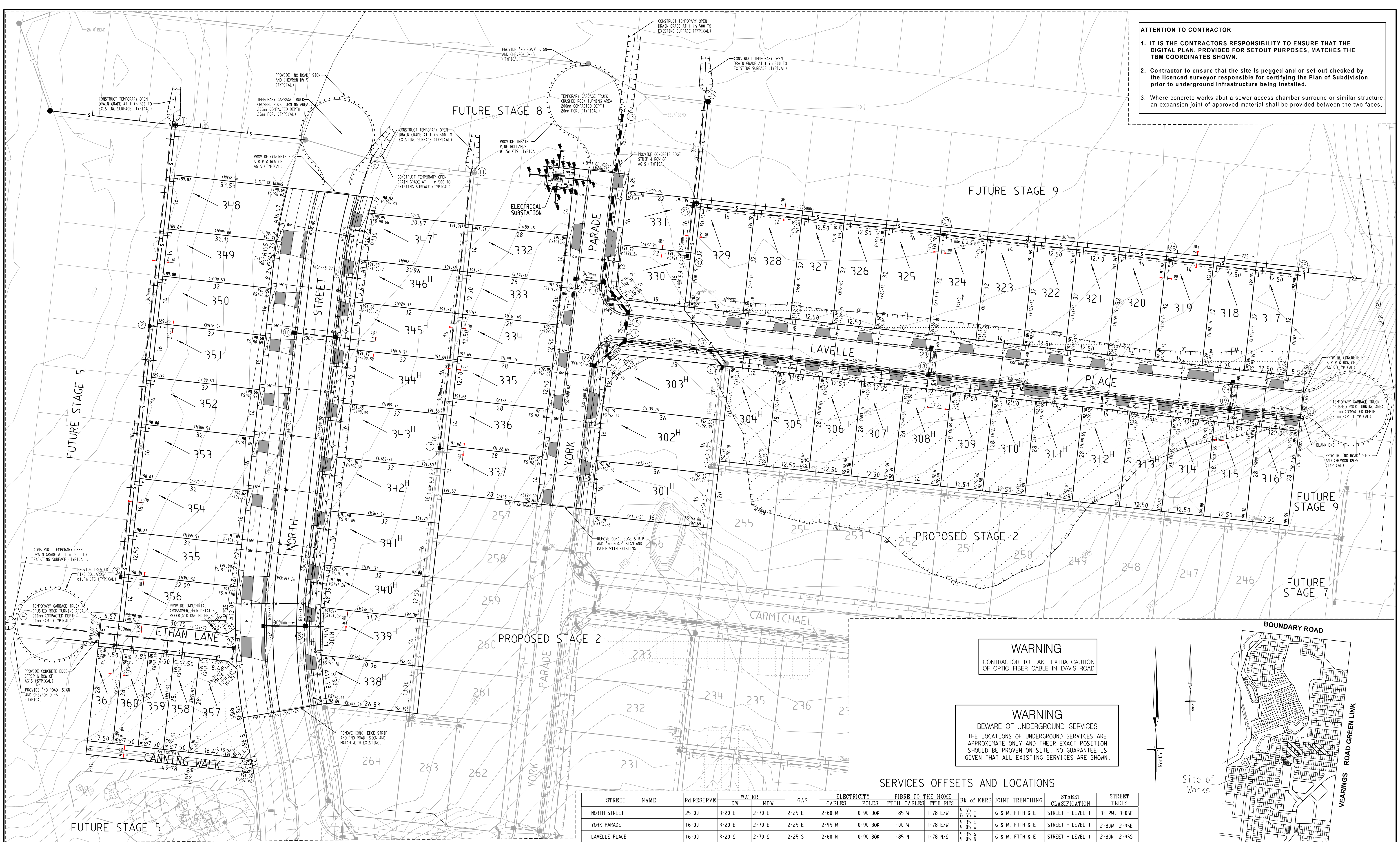


- ATTENTION TO CONTRACTOR
1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.
  2. Contractor to ensure that the site is pegged and or set out checked by the licenced surveyor responsible for certifying the Plan of Subdivision prior to underground infrastructure being installed.
  3. Where concrete works about a sewer access chamber surround or similar structure, an expansion joint of approved material shall be provided between the two faces.



**WARNING**  
CONTRACTOR TO TAKE EXTRA CAUTION  
OF OPTIC FIBRE CABLE IN DAVIS ROAD

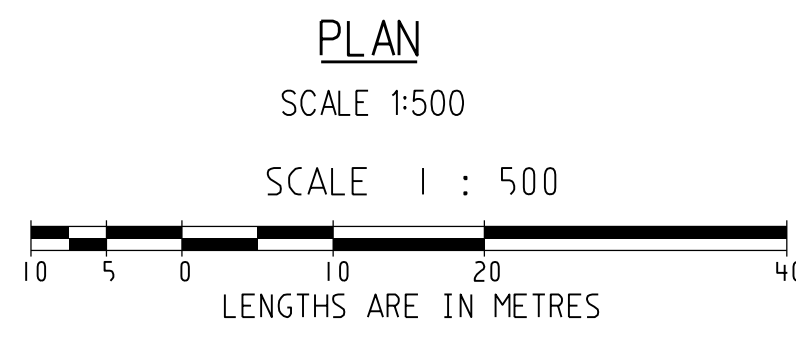
**WARNING**  
BEWARE OF UNDERGROUND SERVICES  
THE LOCATIONS OF UNDERGROUND SERVICES ARE  
APPROXIMATE ONLY AND THEIR EXACT POSITION  
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS  
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

SERVICES OFFSETS AND LOCATIONS

| STREET        | NAME | Rd.RESERVE | WATER  |        | GAS    | ELECTRICITY |          | FIBRE TO THE HOME |           | Bk. OF KERB      | JOINT TRENCHING | STREET CLASSIFICATION | STREET TREES |
|---------------|------|------------|--------|--------|--------|-------------|----------|-------------------|-----------|------------------|-----------------|-----------------------|--------------|
|               |      |            | DW     | NDW    |        | CABLES      | POLES    | FTTH CABLES       | FTTH PITS |                  |                 |                       |              |
| NORTH STREET  |      | 25.00      | 3.20 E | 2.70 E | 2.25 E | 2.60 W      | 0.90 BOK | 1.85 W            | 1.78 E/W  | 4.55 E<br>8.55 W | G & W, FTTH & E | STREET - LEVEL I      | 3.12W, 3.05E |
| YORK PARADE   |      | 16.00      | 3.20 E | 2.70 E | 2.25 E | 2.45 W      | 0.90 BOK | 1.00 W            | 1.78 E/W  | 4.75 E<br>4.05 W | G & W, FTTH & E | STREET - LEVEL I      | 2.80W, 2.95E |
| LAVELLE PLACE |      | 16.00      | 3.20 S | 2.70 S | 2.25 S | 2.60 N      | 0.90 BOK | 1.85 N            | 1.78 N/S  | 4.75 S<br>4.05 N | G & W, FTTH & E | STREET - LEVEL I      | 2.80N, 2.95S |
| ETHAN LANE    |      | 8.00       |        |        |        |             | 0.50 N   |                   |           | -                |                 | STREET - LEVEL I      | -            |
| CANNING WALK  |      | 4.00       | 2.75 S | 2.3 S  | 1.85 S | 3.75 S      | -        | 3.25 S            | 3.2 S     | -                | G & W, FTTH & E | STREET - LEVEL I      | -            |

SHEET INDEX

| SHT No. | VER | DESCRIPTION                                                         |
|---------|-----|---------------------------------------------------------------------|
| 1       | H   | DETAIL PLAN & SERVICES SCHEDULE                                     |
| 2       | E   | NOTES AND TYPICAL SECTIONS                                          |
| 3       | B   | INTERSECTION DETAILS AND ETHAN LANE LONGITUDINAL AND CROSS SECTIONS |
| 4       | B   | NORTH STREET - LONGITUDINAL AND CROSS SECTIONS                      |
| 5       | B   | NORTH STREET - CROSS SECTIONS                                       |
| 6       | B   | YORK PARADE - LONGITUDINAL AND CROSS SECTIONS                       |
| 7       | C   | LAVELLE PLACE - LONGITUDINAL AND CROSS SECTIONS                     |
| 8       | C   | LAVELLE PLACE - CROSS SECTIONS                                      |
| 9       | E   | DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULE                       |
| 10      | E   | DRAINAGE LONGITUDINAL SECTIONS                                      |
| 11      | A   | STONAGE AND LINEMARKING PLAN                                        |



**AS CONSTRUCTED**

**SYMBOL LEGEND**

Drains  
Sewer <300  
Sewer >300  
Water  
House Drain  
Property Inlet  
Street Sign  
PSM

Retaining Wall  
Conduits 50mm  
Conduits 100mm  
Ex Gas/Elect/Tel

Prop Exist

Ex/Natural/FS Level 1.28-51  
FS @ Building Line 1.28-51  
Top/Toe of Batter 1.28-51  
Top Ret. Wall Level 1.28-51  
100yr Flood Level 1.28-51  
Fill Prop/Ex 1.28-51  
Cut Prop/Ex 1.28-51

| VER | DATE     | REMARKS                                            |
|-----|----------|----------------------------------------------------|
| H   | 07-03-19 | SHEET INDEX UPDATED                                |
| F   | 18-01-19 | SHEET INDEX UPDATED                                |
| E   | 05-09-18 | DRAINAGE PIT 31 ADDED, PIT 17 MOVED                |
| D   | 29-05-18 | DRAINAGE PITS 13-15 LOWERED<br>SHEET INDEX UPDATED |
| C   | 13-04-18 | CROSS SECTIONS OF LAVELLE PLACE AMENDED            |
| B   | 05-04-18 | CROSS SECTION OF CANNING WALK TO INCLUDE SERVICES  |
| A   | 20-12-17 | ISSUED FOR CONSTRUCTION                            |

**breese pitt dixon pty. ltd.**  
land surveyors  
civil engineers

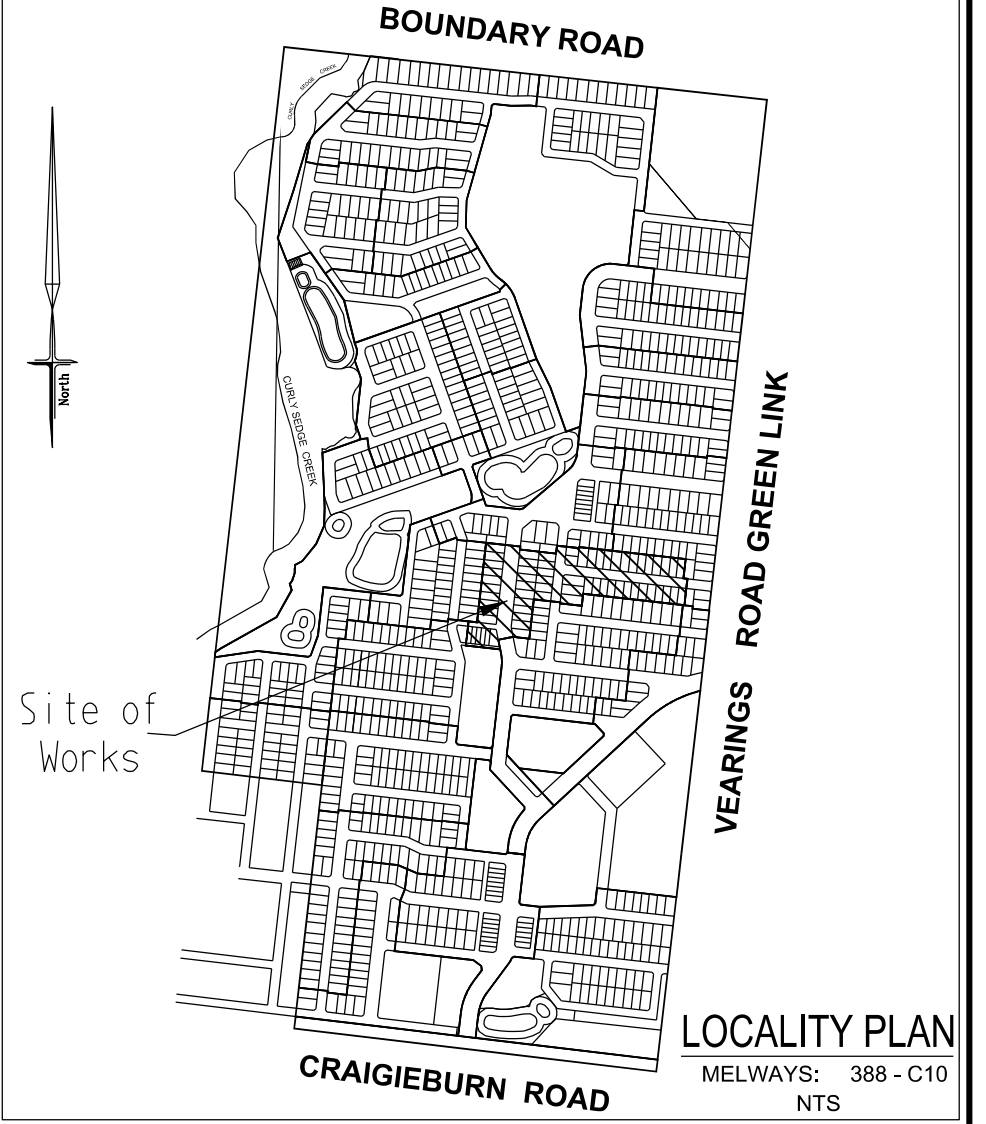
**RATHDOWNE ESTATE  
STAGE 3  
DETAIL PLAN**

**MELWAY REF.** 388-C-10  
**SURVEY** BPD  
**DESIGN** SS  
**DRAWN** RGW

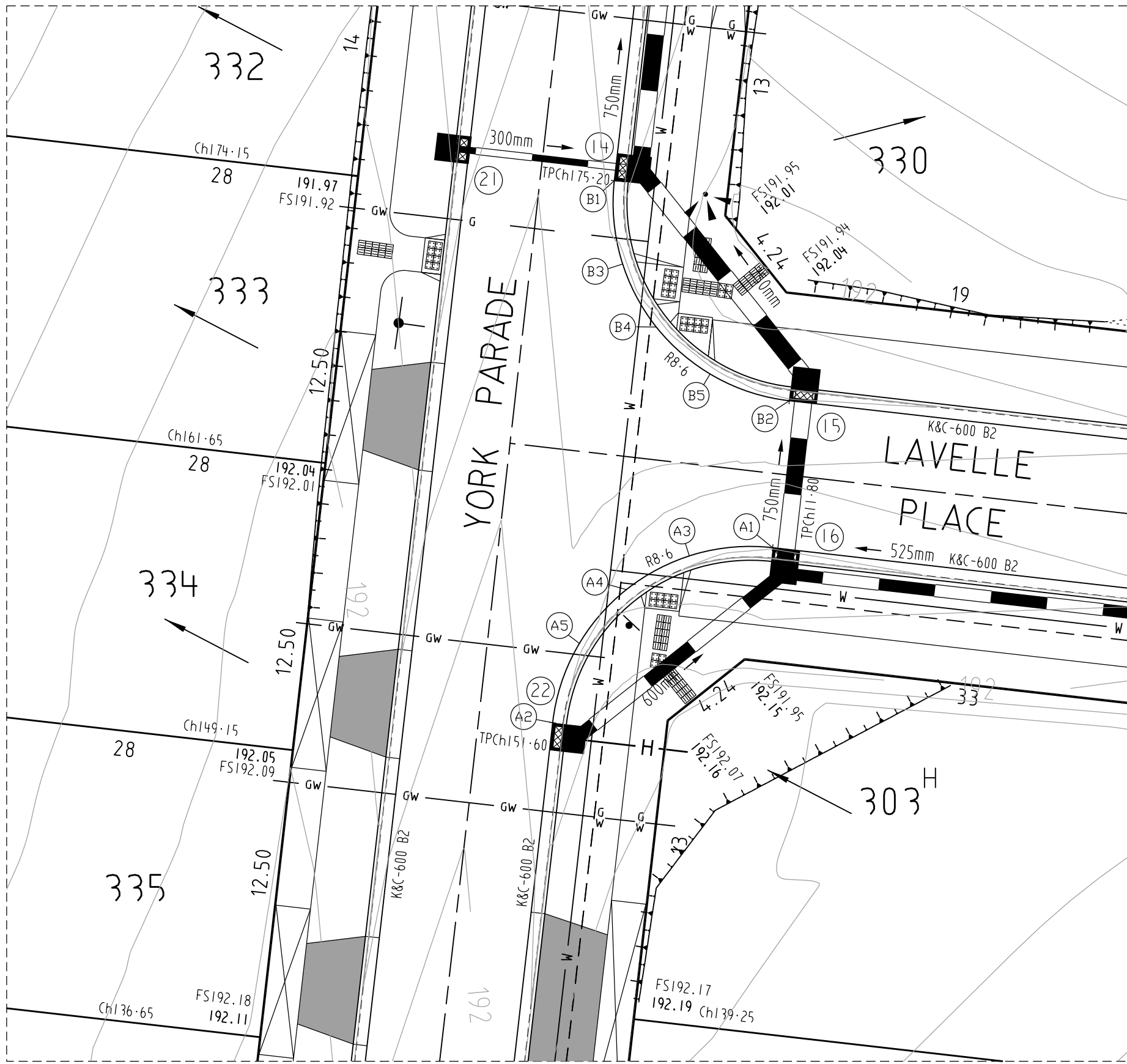
**MUNICIPALITY** WHITTLESEA  
**REFERENCE** 9365 E/3

**SCALE** AS SHOWN  
**DATUM** AHD  
**DATE** OCT'17  
**SHEET** 1 OF 11  
**H**

1/19 coto street  
hawthorn east, 3123  
telephone 8823 2300  
fax no. 8823 2310

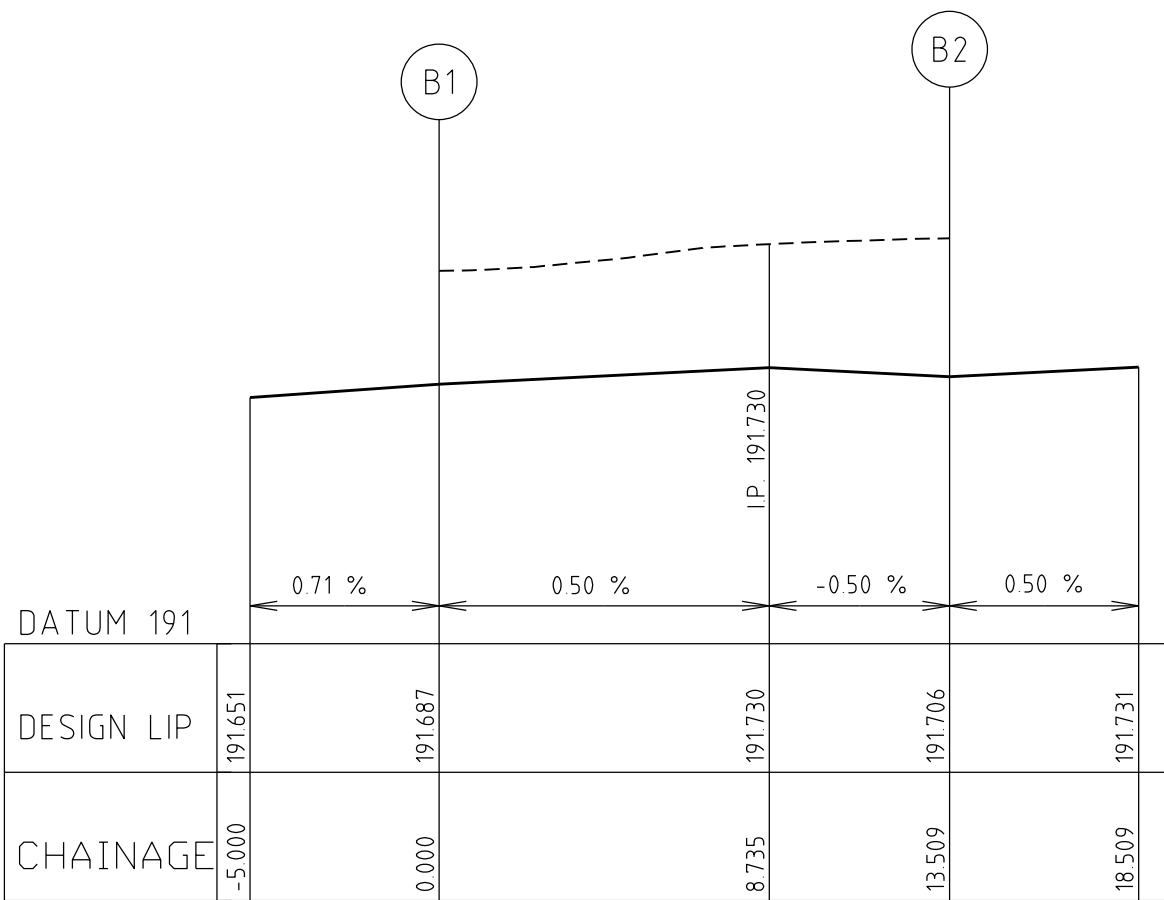




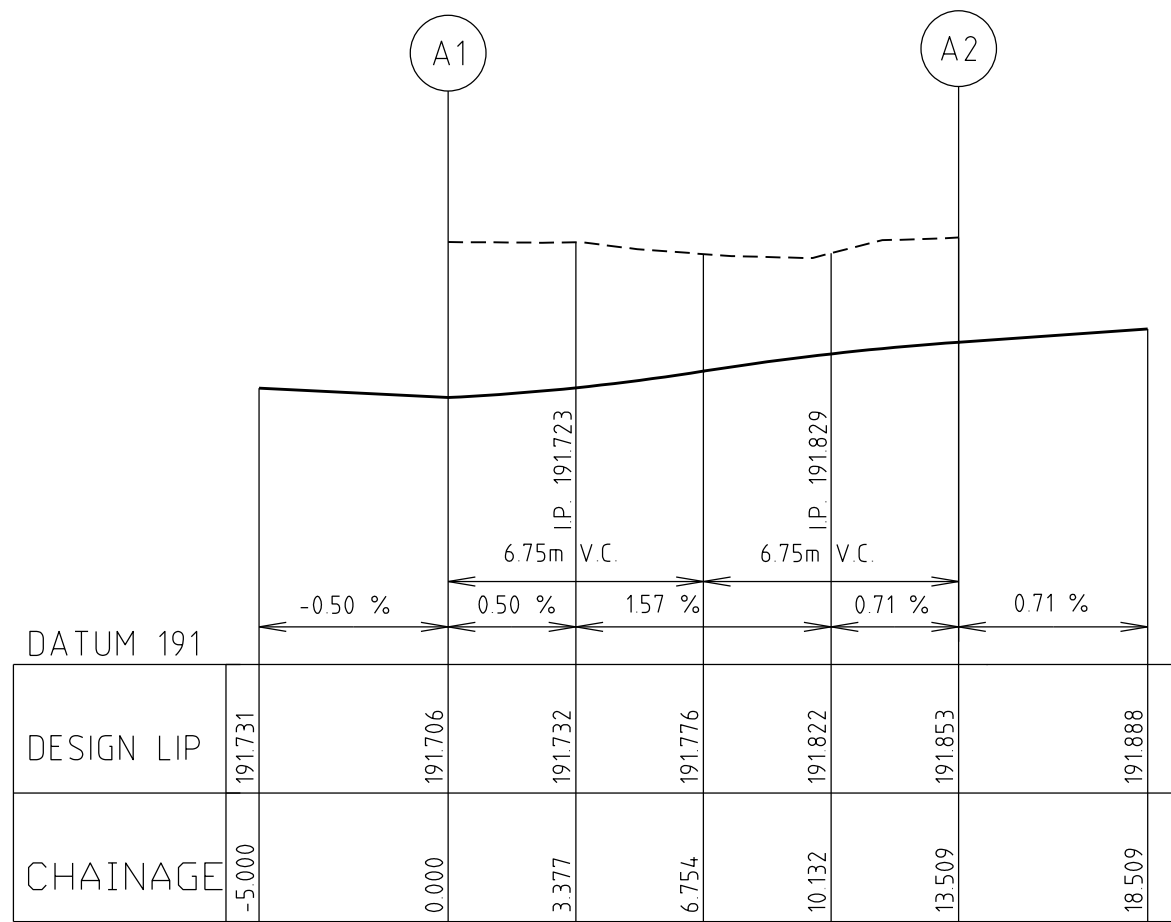


INTERSECTION YORK PARADE AND LAVELLE PLACE

| Alignment B |          |            |             |         |         |            |         |
|-------------|----------|------------|-------------|---------|---------|------------|---------|
|             | Point no | Easting    | Northing    | RL      |         |            |         |
| B           | 1        | 322442.592 | 5836994.537 | 191.687 |         |            |         |
|             | 2        | 322445.164 | 5836985.019 | 191.706 |         |            |         |
| B           | 3        | 322442.949 | 5836990.935 | 191.705 |         |            |         |
|             | 4        | 322444.407 | 5836988.209 | 191.720 |         |            |         |
|             | 5        | 322446.735 | 5836986.176 | 191.725 |         |            |         |
|             |          |            |             |         |         |            |         |
|             | Curve no | Radius     | Chord       | Mid Ord | Qtr Ord | Mid Ord RL |         |
| B           | 1        | 2          | -8.600      | 12.162  | 2.519   | 1.963      | 191.720 |



LIP LINE B



LIP LINE A

| Alignment A |          |            |             |         |                    |               |
|-------------|----------|------------|-------------|---------|--------------------|---------------|
|             | Point no | Easting    | Northing    | RL      |                    |               |
| A           | 1        | 322449.440 | 5836978.660 | 191.706 |                    |               |
|             | 2        | 322459.922 | 5836971.088 | 191.853 |                    |               |
| A           | 3        | 322445.838 | 5836978.303 | 191.735 |                    |               |
|             | 4        | 322443.113 | 5836976.845 | 191.776 |                    |               |
| A           | 5        | 322441.080 | 5836974.518 | 191.819 |                    |               |
|             |          |            |             |         |                    |               |
| Curve       | no       | Radius     | Chord       | Mid Ord | Qtr Ord Mid Ord RL |               |
| A           | 1        | 2          | -8.600      | 12.162  | 2.519              | 1.963 191.776 |

LIP OF KERB PROFILES

SCALE: HORIZONTAL 1:200  
VERTICAL 1:20

INTERSECTION DETAILS

SCALE 1:200  
SCALE 1:200



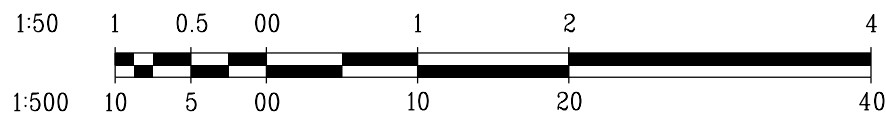
TRUE LEFT & RIGHT ARE IN THE DIRECTION OF THE INCREASING CHAINAGE

VC LENGTH  
DESIGN GRADELINE  
DATUM 186

| ES LEFT TITLE BDY    | 190.00 | 190.20 | 190.36 | 190.53 | 190.74 | 190.75 | 191.04 | 191.06 | 191.10 | 191.13 |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FS LEFT TITLE BDY    |        | 190.44 | 190.50 | 190.66 | 190.89 | 191.09 | 191.11 | 191.33 | 191.55 | 191.68 |
| LEFT LIP OF KERB     |        | 190.44 | 190.50 | 190.66 | 190.89 | 191.09 | 191.11 | 191.33 | 191.55 | 191.68 |
| DESIGN CL            | 189.78 | 190.31 | 190.37 | 190.53 | 190.75 | 190.96 | 191.11 | 191.19 | 191.42 | 191.61 |
| RIGHT LIP OF KERB    |        | 190.44 | 190.50 | 190.66 | 190.89 | 191.09 | 191.11 | 191.33 | 191.55 | 191.68 |
| FS RIGHT TITLE BDY   |        | 190.44 | 190.50 | 190.66 | 190.89 | 191.09 | 191.11 | 191.33 | 191.55 | 191.68 |
| ES RIGHT TITLE BDY   | 190.07 | 190.31 | 190.36 | 190.45 | 190.61 | 190.83 | 190.84 | 191.13 | 191.15 | 191.18 |
| CHAINAGE CENTRE LINE | 0.00   | 17.93  | 20.00  | 25.43  | 32.93  | 40.00  | 40.43  | 47.93  | 55.43  | 60.00  |

LONGITUDINAL SECTION

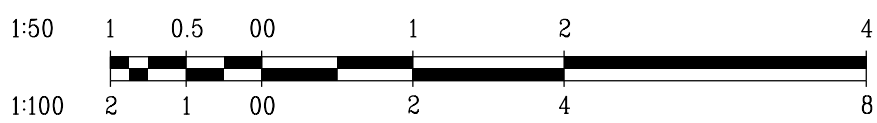
SCALE HORIZONTAL 1:500  
VERTICAL 1:50



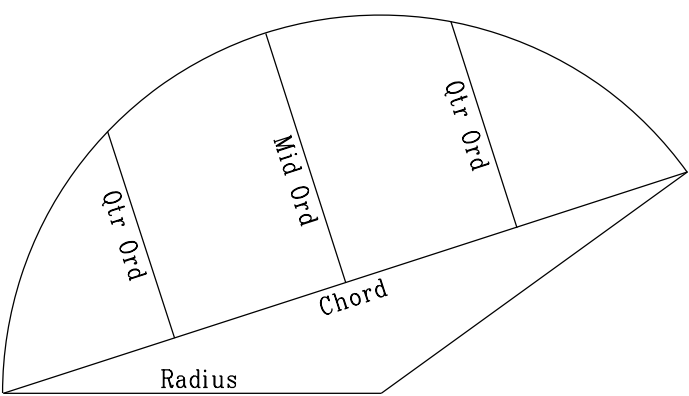
ETHAN LANE

CROSS SECTIONS

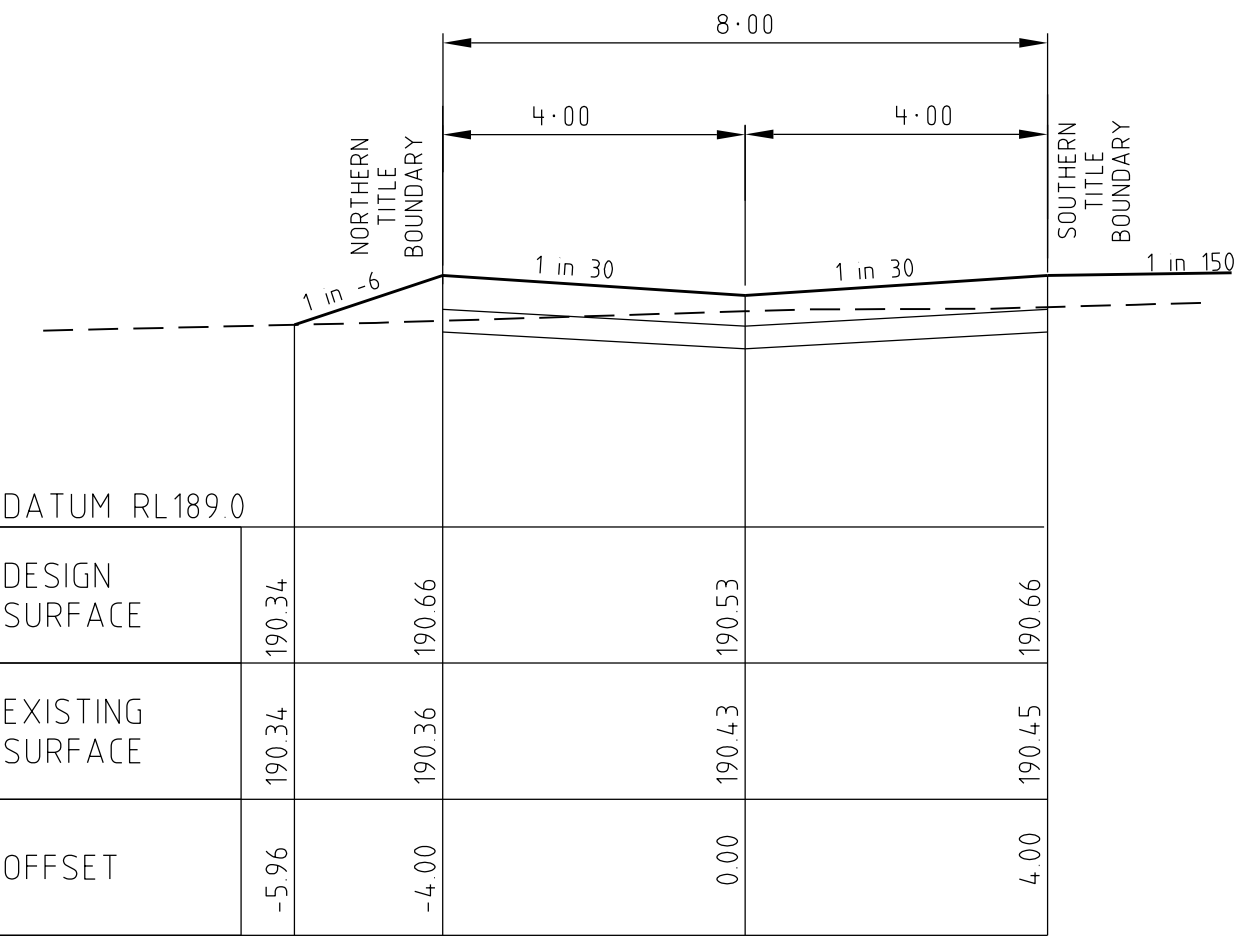
SCALE HORIZONTAL 1:100  
VERTICAL 1:50



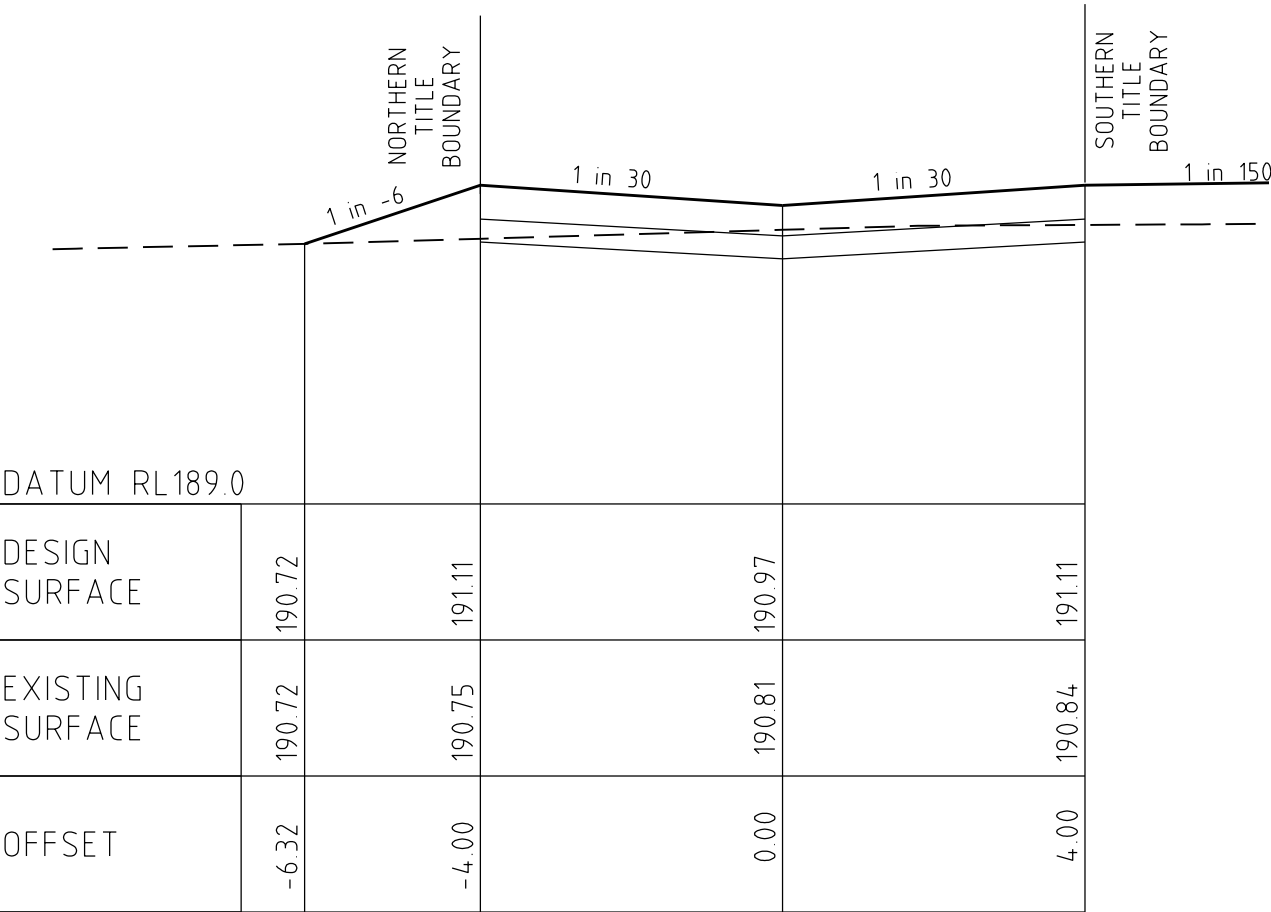
CRUSHED ROCK BACKFILL



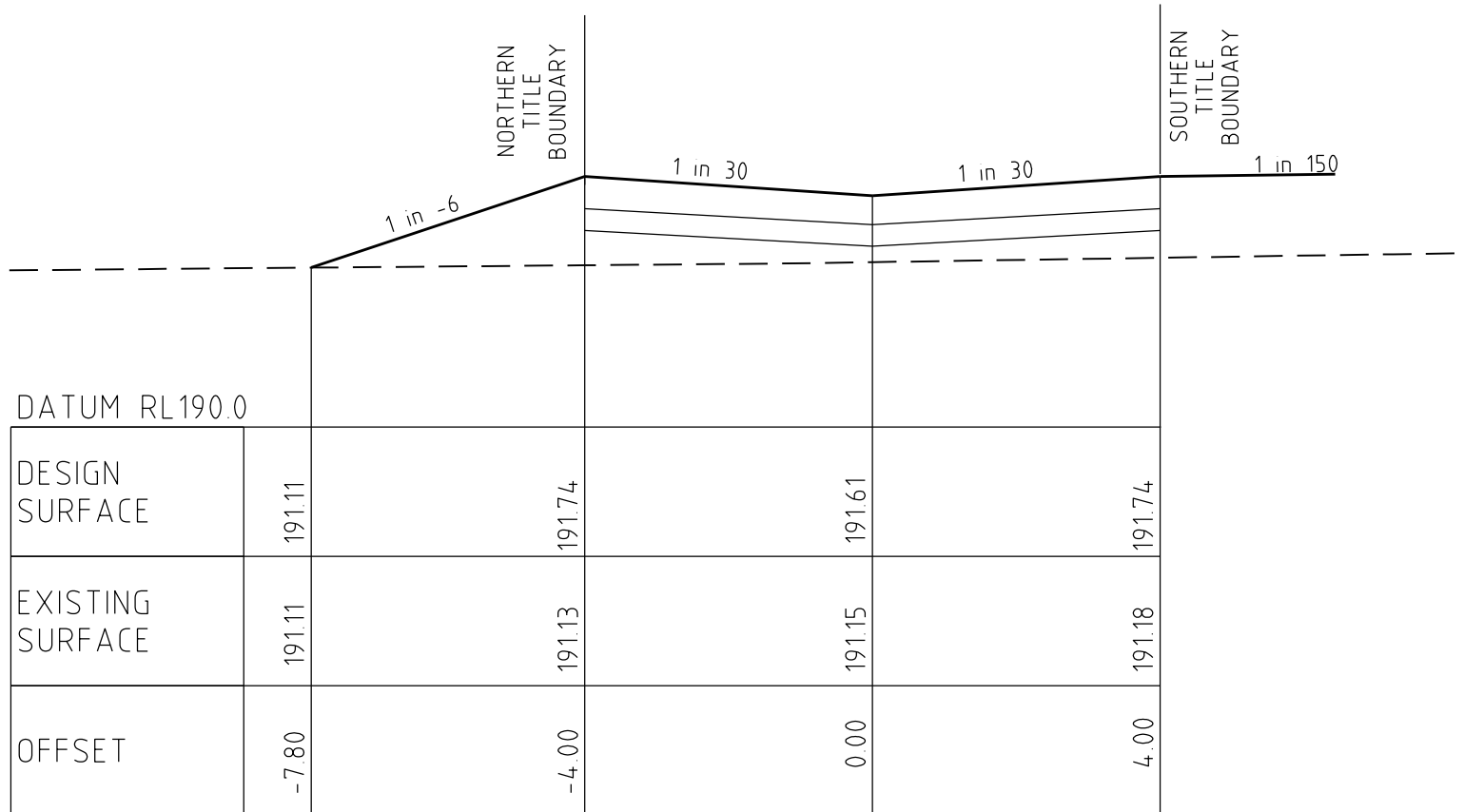
CURVE SETOUT DIAGRAM



25.43



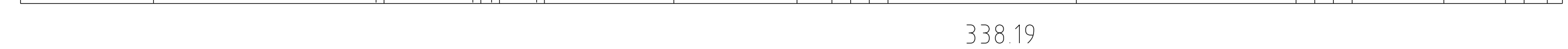
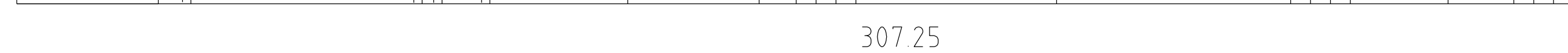
40.42



62.00

AS CONSTRUCTED

| AMENDMENTS |  |  |  | breese pitt dixon pty. ltd.<br>land surveyors<br>civil engineers |          |                                   |  |
|------------|--|--|--|------------------------------------------------------------------|----------|-----------------------------------|--|
|            |  |  |  | MELWAY REF.                                                      | 388-C-10 | RATHDOWNE ESTATE<br>STAGE 3       |  |
|            |  |  |  | SURVEY                                                           | BPD      | INTERSECTION DETAILS & ETHAN LANE |  |
|            |  |  |  | DESIGN                                                           | SS       | REFERENCE<br>9365 E/3             |  |
|            |  |  |  | DRAWN                                                            | RGW      | MUNICIPALITY<br>WHITTLESEA        |  |
|            |  |  |  | CHECKED                                                          |          | SHEET 3 OF 11                     |  |
|            |  |  |  | DATE                                                             |          | B                                 |  |
|            |  |  |  | REMARKS                                                          |          | SCALE AS SHOWN                    |  |
|            |  |  |  |                                                                  |          | DATUM AHD                         |  |
|            |  |  |  |                                                                  |          | DATE OCT'17                       |  |



 CRUSHED ROCK BACKFILL

CROSS SECTIONS

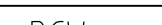
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|-------|------------|-------|
| SCALE | HORIZONTAL | 1:100 |
|       | VERTICAL   | 1:50  |

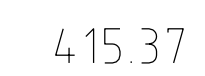
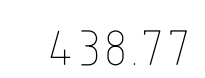
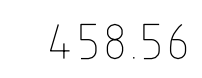
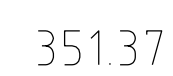
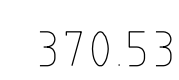
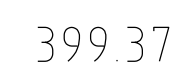
breese pitt dixon pty. ltd.  
land surveyors civil engineers

1/19 cato street  
hawthorn east, 3123  
telephone 8823 2300  
fax no. 8823 2310

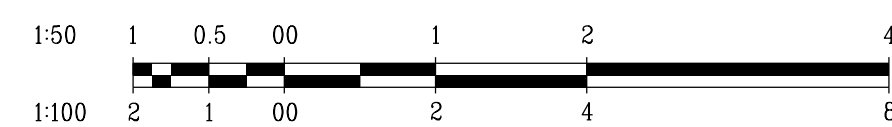
RATHDOWNE ESTATE  
STAGE 3  
NORTH STREET

|              |                                  |
|--------------|----------------------------------|
| MUNICIPALITY | WHITTLESEA                       |
| REFERENCE    | 9365 <sup>E</sup> / <sub>3</sub> |

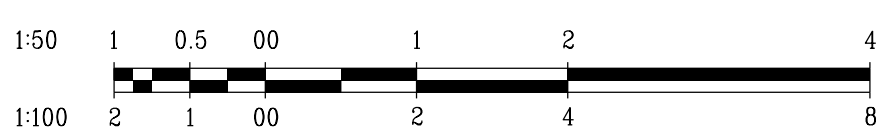
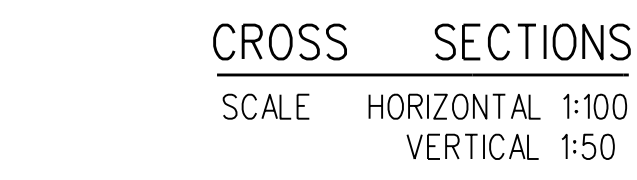
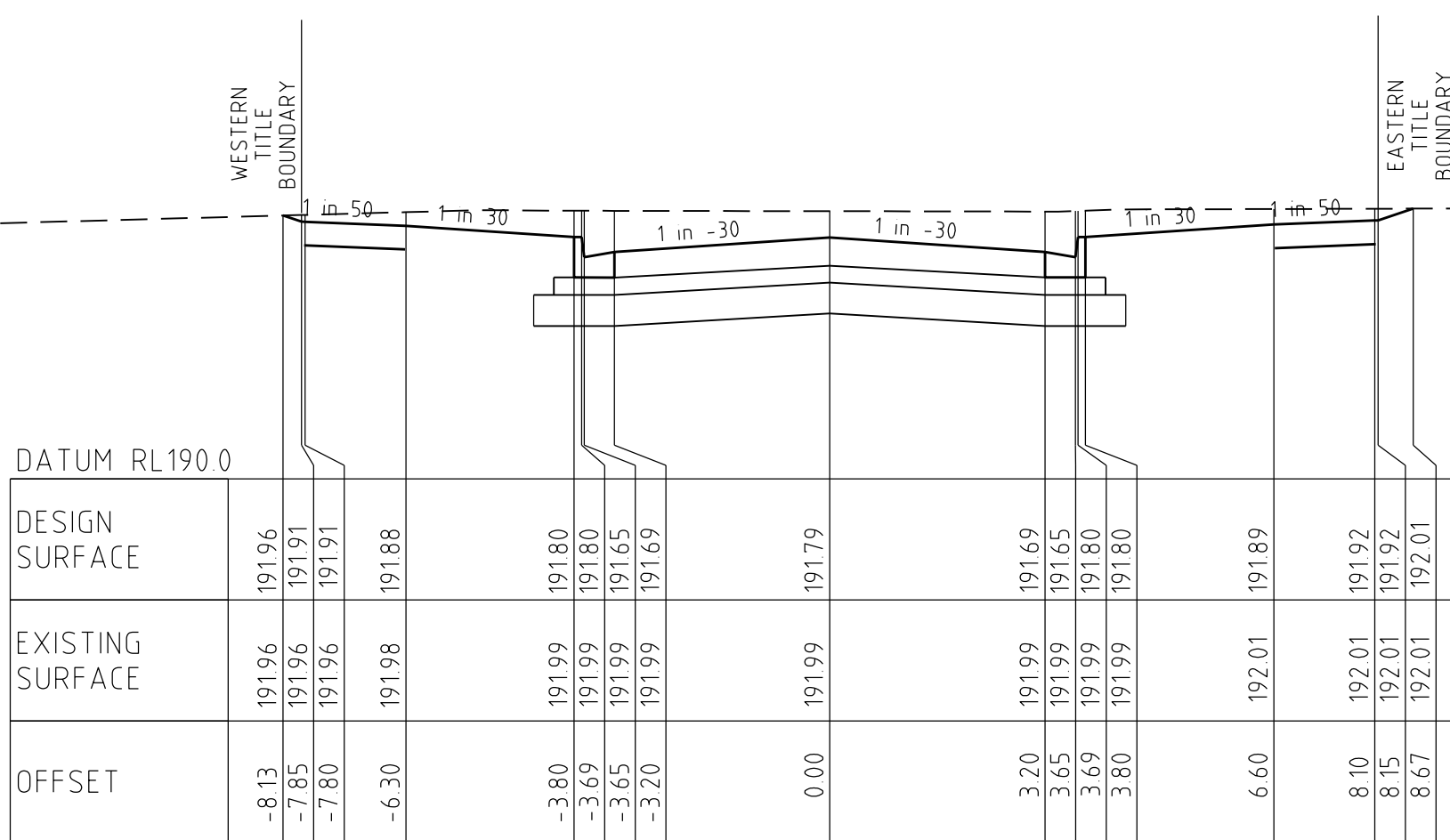
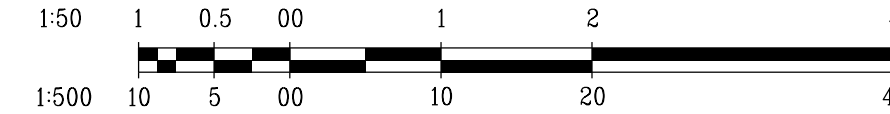
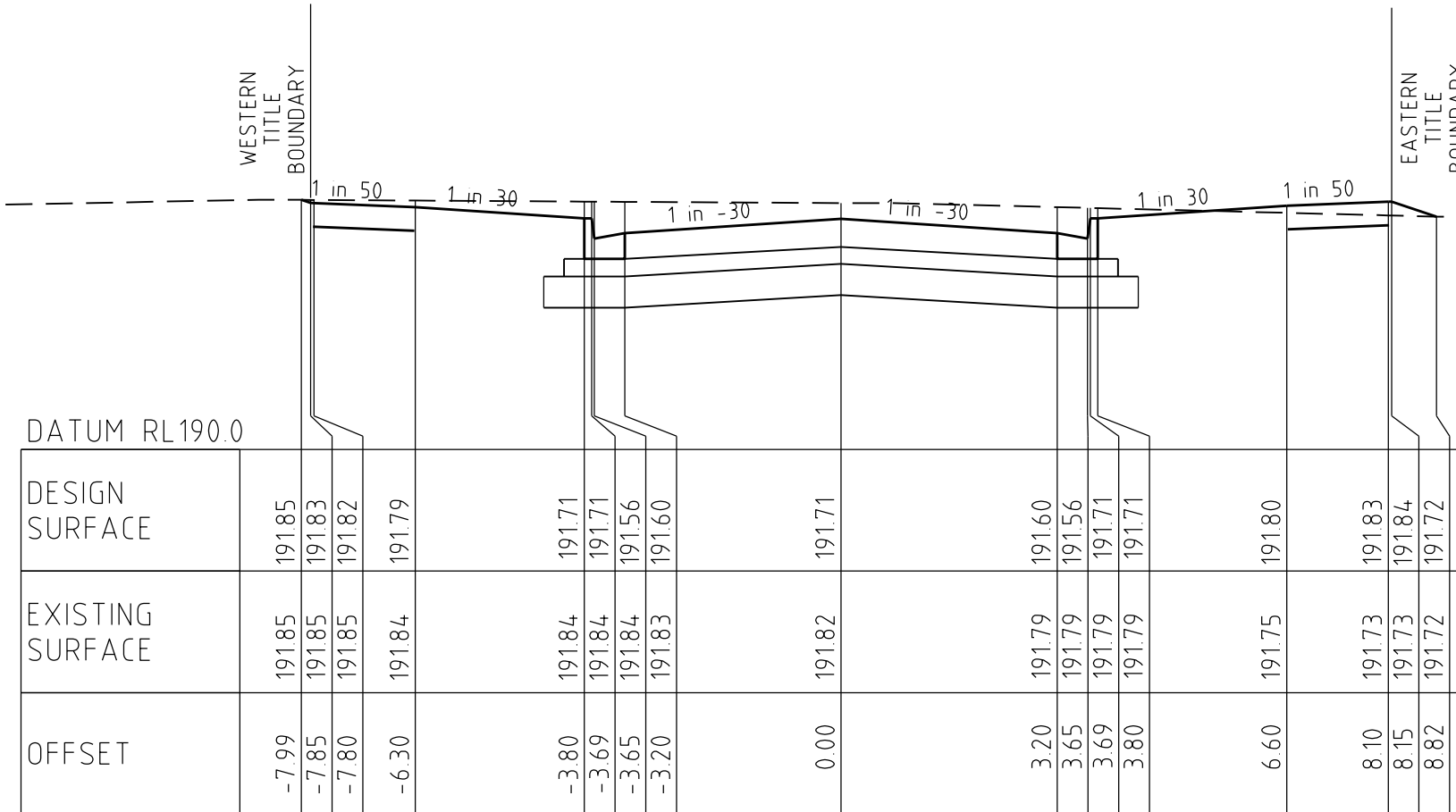
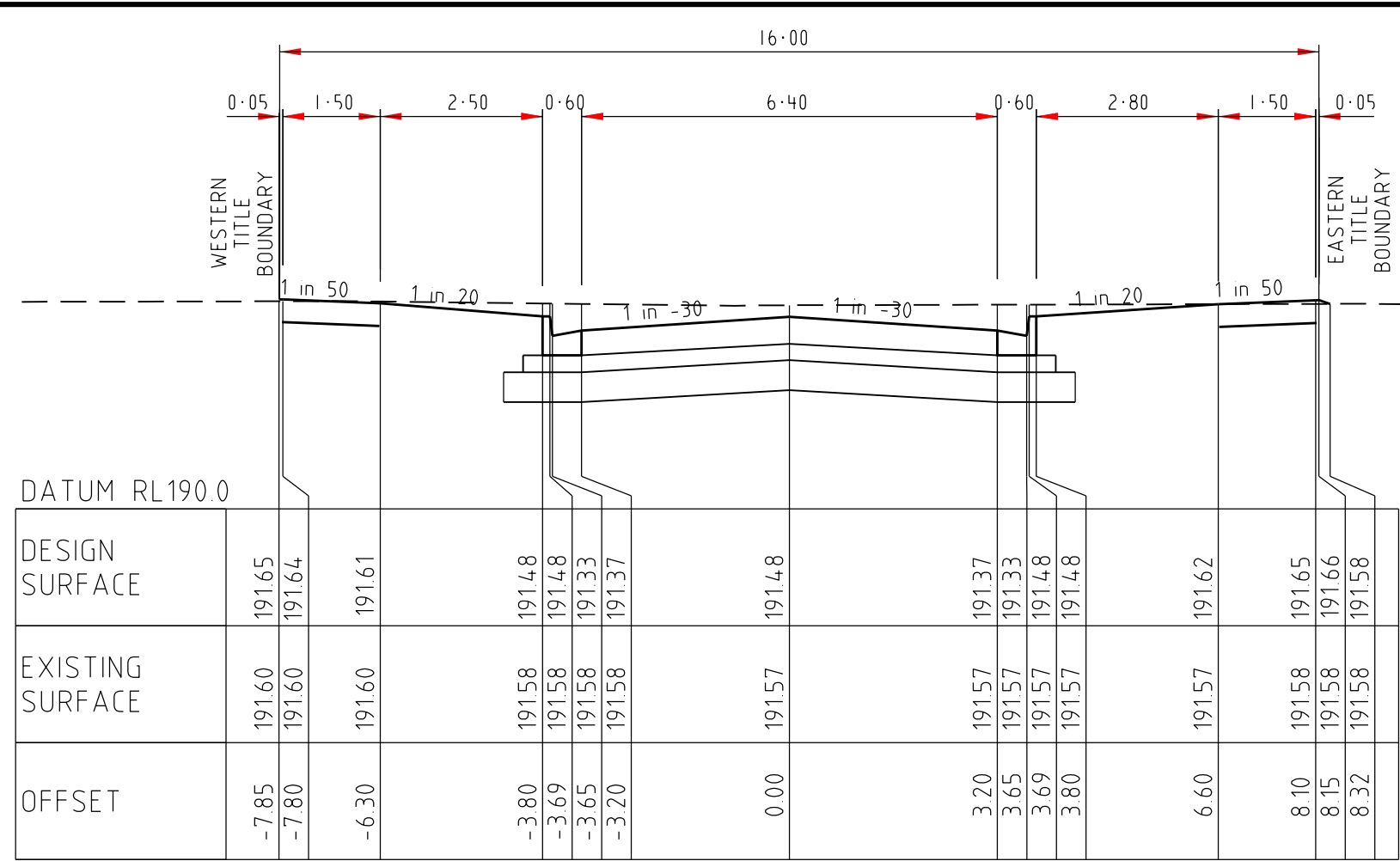
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|------------|------|----------|-------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|---------------------------------------------|----------|-------------------------------------------------------------------------------------|-----|--------------|--------|------------|---|----|----|---|
| AMENDMENTS |      |          |                         |  | breese pitt dixon Pty. Ltd.<br>land surveyors                      civil engineers    |  |                                             |          | 1/19 cato street<br>hawthorn east, 3123<br>telephone 8823 2300<br>fax no. 8823 2310 |     |              |        |            |   |    |    |   |
|            |      |          |                         |                                                                                       |                                                                                       |  |                                             |          |                                                                                     |     |              |        |            |   |    |    |   |
|            |      |          |                         |                                                                                       |                                                                                       |  |                                             |          |                                                                                     |     |              |        |            |   |    |    |   |
|            |      |          |                         |                                                                                       |                                                                                       |  |                                             |          |                                                                                     |     |              |        |            |   |    |    |   |
|            |      |          |                         |                                                                                       |                                                                                       |  |                                             |          |                                                                                     |     |              |        |            |   |    |    |   |
|            |      |          |                         | MELWAY REF.                                                                           | 388-C-10                                                                              |  | RATHDOWNE ESTATE<br>STAGE 3<br>NORTH STREET |          |                                                                                     |     | MUNICIPALITY |        | WHITTLESEA |   |    |    |   |
|            |      |          |                         | SURVEY                                                                                | BPD                                                                                   |  |                                             |          |                                                                                     |     | REFERENCE    |        | 9365 E/3   |   |    |    |   |
|            |      |          |                         | DESIGN                                                                                | SS                                                                                    |  |                                             |          |                                                                                     |     |              |        |            |   |    |    |   |
|            |      |          |                         | DRAWN                                                                                 | RGW                                                                                   |  |                                             |          |                                                                                     |     |              |        |            |   |    |    |   |
|            | A    | 20-12-17 | ISSUED FOR CONSTRUCTION |                                                                                       |                                                                                       |  |                                             |          |                                                                                     |     |              |        |            |   |    |    |   |
| VER.       | DATE | REMARKS  |                         | CHECKED                                                                               |  |  | SCALE                                       | AS SHOWN | DATUM                                                                               | AHD | DATE         | OCT'17 | SHEET      | 4 | OF | 11 | B |



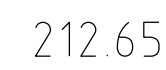
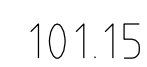
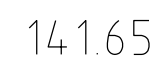
**AS CONSTRUCTED**



|            |      |          |                         |                                                                                                                                                                                                                                                                     |                                                                                     |          |                                             |              |            |         |       |   |    |    |   |
|------------|------|----------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|---------------------------------------------|--------------|------------|---------|-------|---|----|----|---|
| AMENDMENTS |      |          |                         |  <div style="display: flex; justify-content: space-between;"> <div> <p>breese pitt dixon pty. ltd.</p> <p>land surveyors</p> </div> <div> <p>civil engineers</p> </div> </div> | 1/19 cato street<br>hawthorn east, 3123<br>telephone 8823 2300<br>fax no. 8823 2310 |          |                                             |              |            |         |       |   |    |    |   |
|            |      |          |                         |                                                                                                                                                                                                                                                                     | MELWAY REF.                                                                         | 388-C-10 | RATHDOWNE ESTATE<br>STAGE 3<br>NORTH STREET | MUNICIPALITY | WHITTLESEA |         |       |   |    |    |   |
|            |      |          |                         |                                                                                                                                                                                                                                                                     | SURVEY                                                                              | BPD      |                                             | REFERENCE    | 9365 E/3   |         |       |   |    |    |   |
|            |      |          |                         |                                                                                                                                                                                                                                                                     | DESIGN                                                                              | SS       |                                             |              |            |         |       |   |    |    |   |
|            | A    | 20-12-17 | ISSUED FOR CONSTRUCTION |                                                                                                                                                                                                                                                                     | DRAWN                                                                               | RGW      |                                             |              |            |         |       |   |    |    |   |
| VER        | DATE | REMARKS  | CHECKED                 |                                                                                                                                                                                | SCALE                                                                               | AS SHOWN | DATUM                                       | AHD          | DATE       | OCT '17 | SHEET | 5 | OF | 11 | B |

Plotted: 20-Dec-17





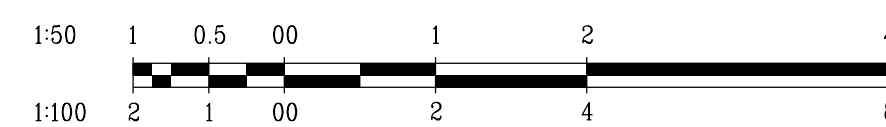
LAVELLE PLACE



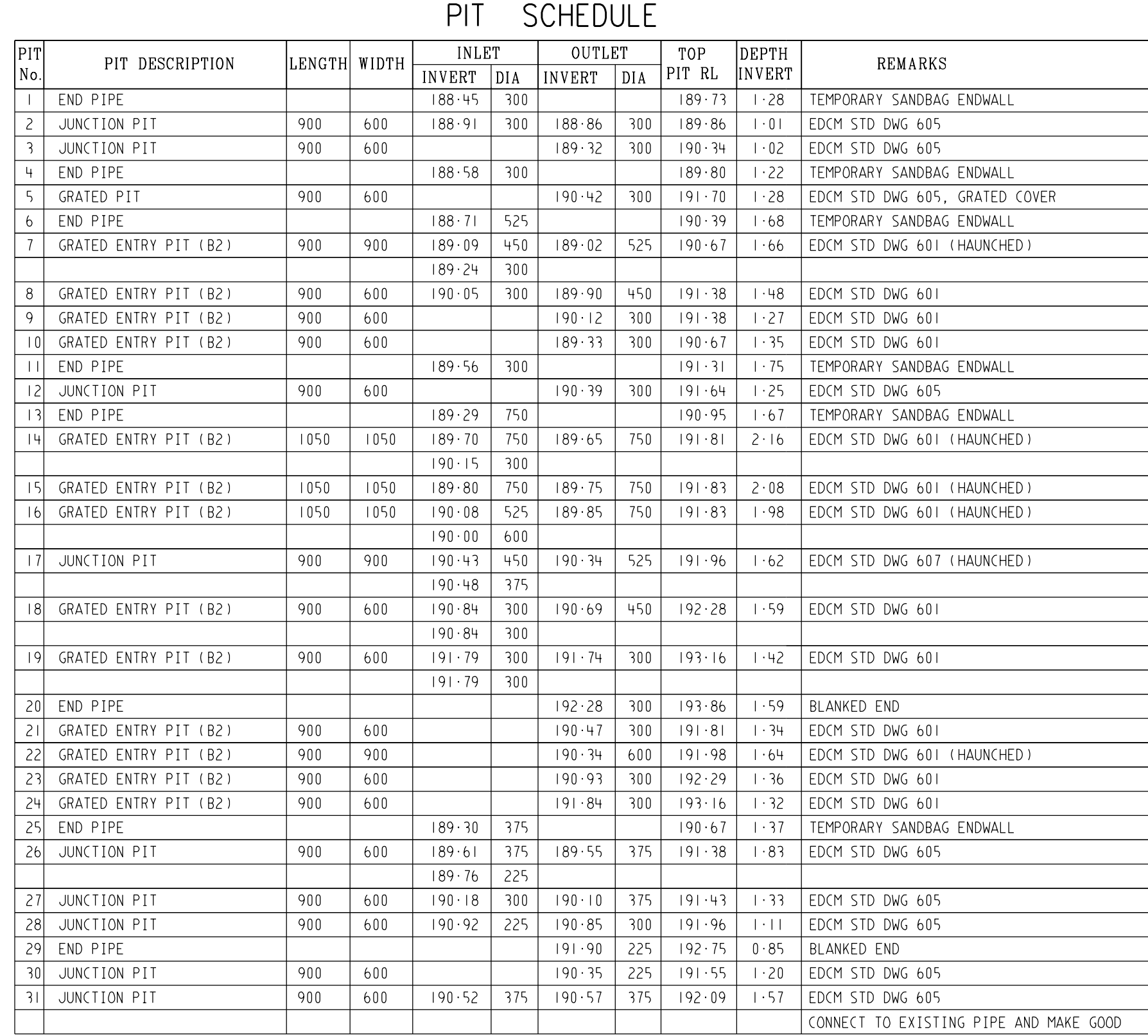
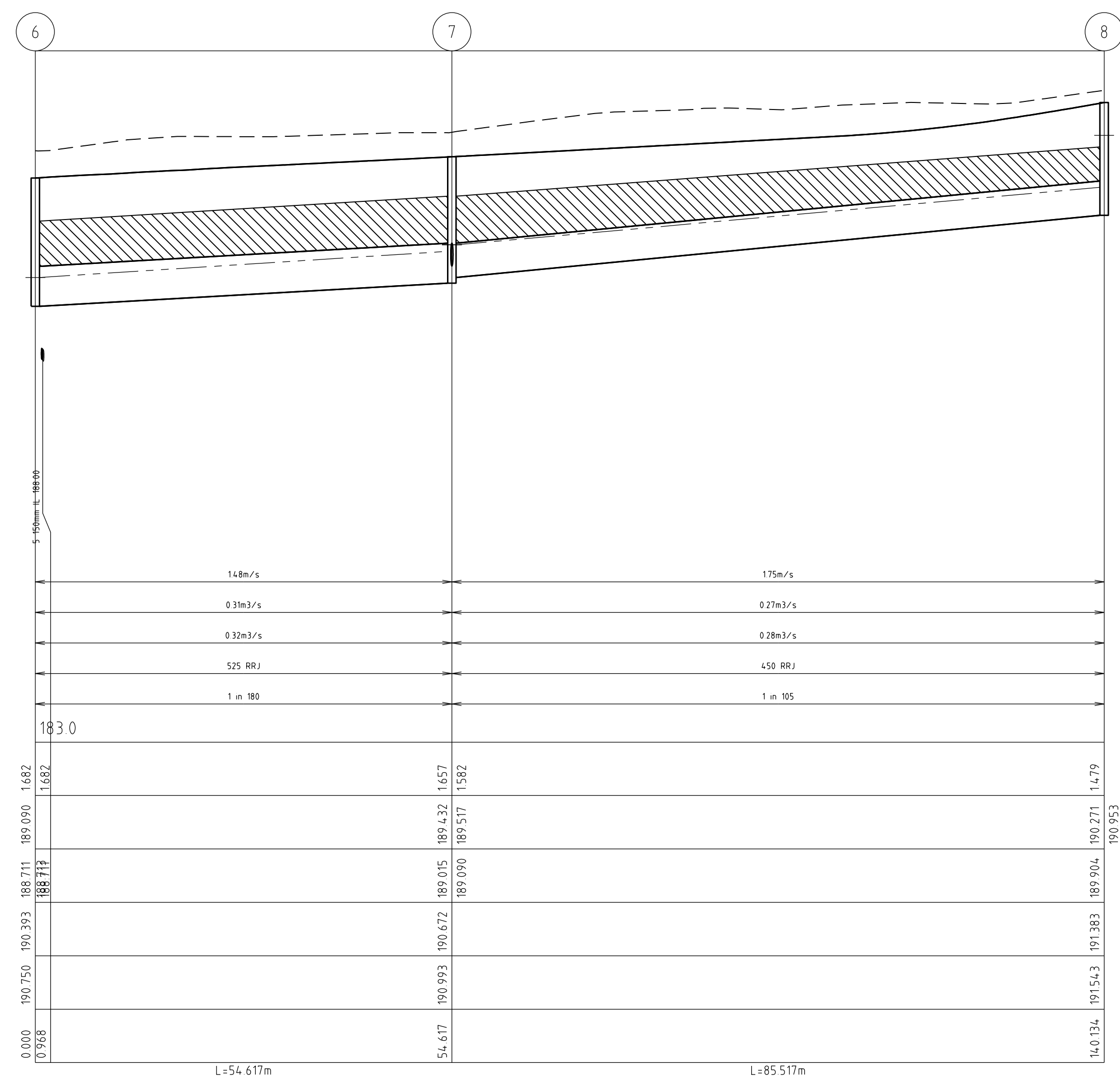
CROSS SECTIONS

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SCALE HORIZONTAL 1:100  
VERTICAL 1:50

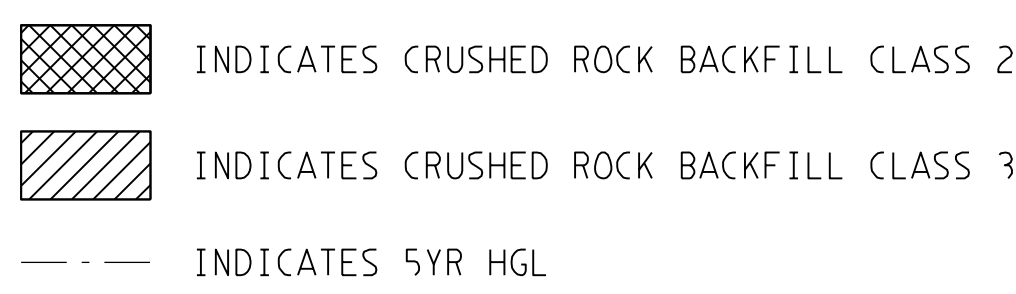


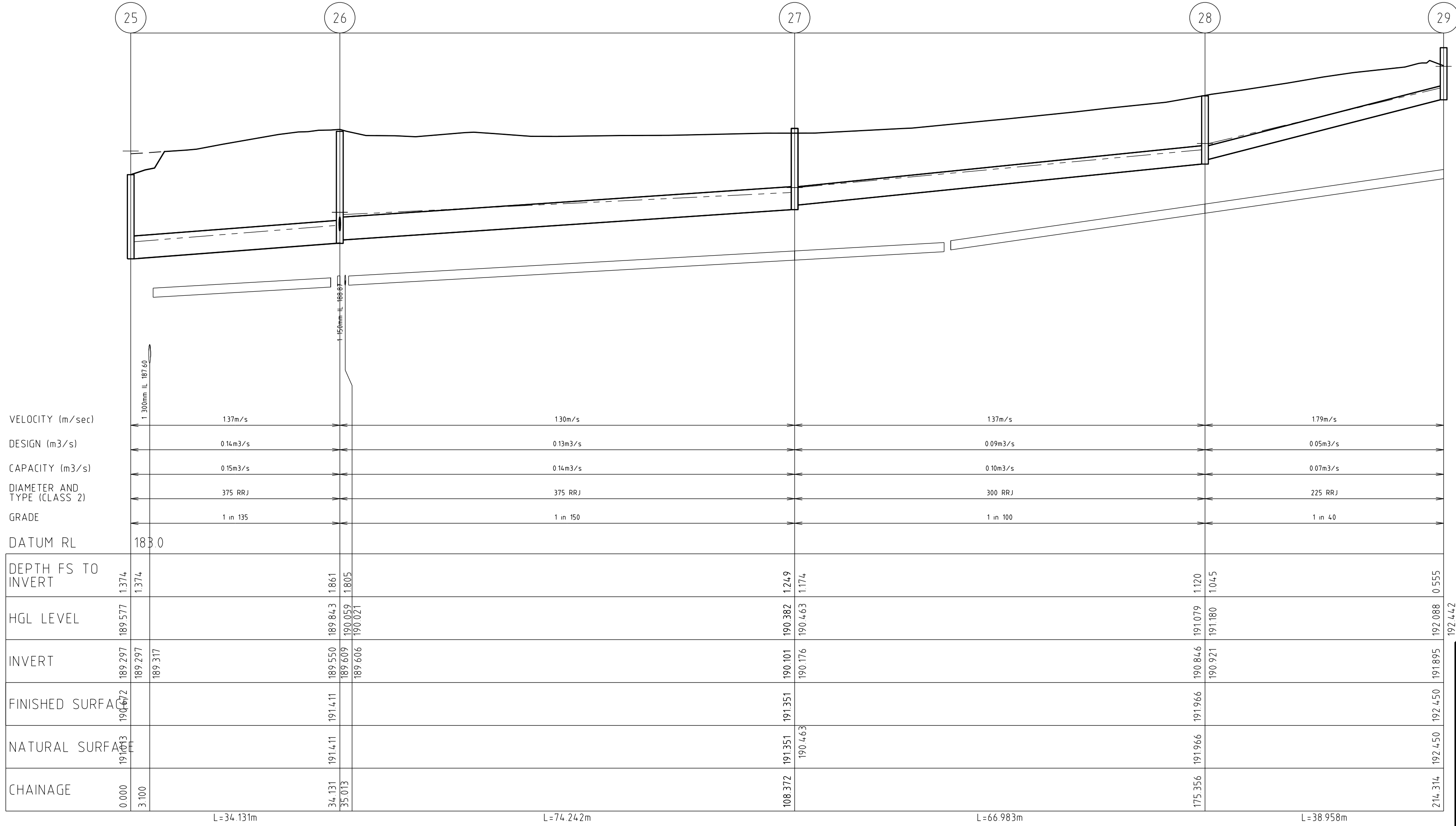
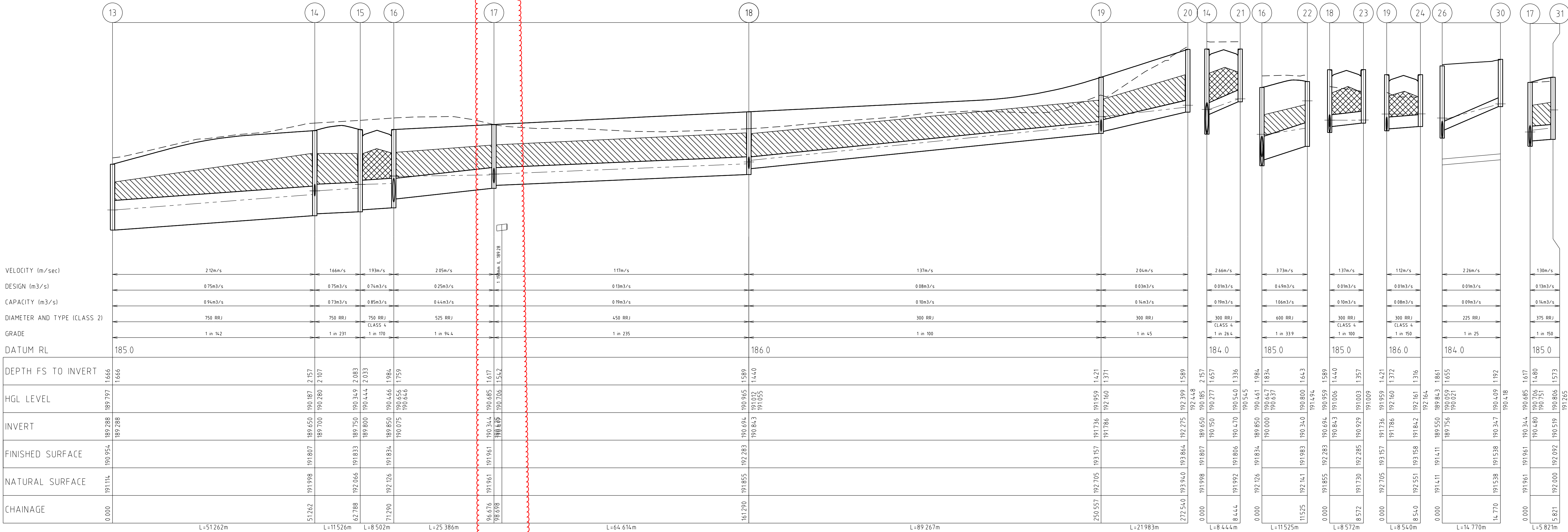
|                                    |      |         |                                                                                       |                                                                                       |  |                                               |           |              |                 |       |   |                                                                                     |  |  |
|------------------------------------|------|---------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|-----------------------------------------------|-----------|--------------|-----------------|-------|---|-------------------------------------------------------------------------------------|--|--|
|                                    |      |         |  |                                                                                       |  | breese pitt dixon pty. ltd.<br>land surveyors |           |              | civil engineers |       |   | 1/19 cato street<br>hawthorn east, 3123<br>telephone 8823 2300<br>fax no. 8823 2310 |  |  |
|                                    |      |         | MELWAY REF. 388-C-10                                                                  |                                                                                       |  | RATHDOWNE ESTATE<br>STAGE 3<br>LAVELLE PLACE  |           |              |                 |       |   | MUNICIPALITY<br>WHITTLESEA                                                          |  |  |
|                                    |      |         | SURVEY BPD                                                                            |                                                                                       |  |                                               |           |              |                 |       |   | REFERENCE<br>9365 E/3                                                               |  |  |
| C 13-04-18 CROSS SECTIONS AMENDED  |      |         | DESIGN SS                                                                             |                                                                                       |  |                                               |           |              |                 |       |   |                                                                                     |  |  |
| A 20-12-17 ISSUED FOR CONSTRUCTION |      |         | DRAWN RGW                                                                             |                                                                                       |  |                                               |           |              |                 |       |   |                                                                                     |  |  |
| VER                                | DATE | REMARKS | CHECKED                                                                               |  |  | SCALE AS SHOWN                                | DATUM AHD | DATE OCT '17 | SHEET 8         | OF 11 | C |                                                                                     |  |  |



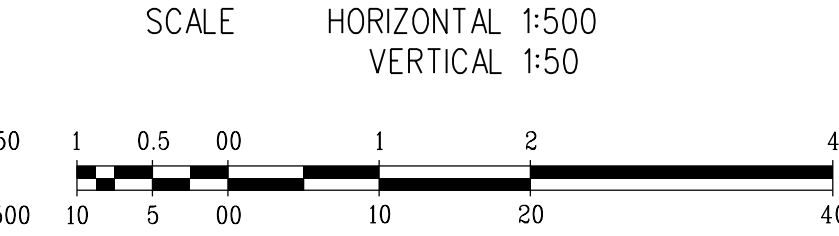
SCHEDULE NOTES:-

1. WHERE PIT HAUNCHING IS REQUIRED, INTERNAL PIT WALL DIMENSIONS MUST ALLOW 50mm CLEARANCE EACH SIDE OF PIPE OUTSIDE DIAMETER, INCLUDING ANGULAR PIPE ENTRY TO PIT. MINIMUM DIMENSIONS OF PIT BASE ARE TO BE AS PER SIZES SPECIFIED IN THE PIT SCHEDULE. TOP OF PIT OPENING FOR ALL HAUNCHED PITS TO BE 900mm x 600mm.
2. PIT BASE TO BE SHAPED TO MATCH LOWER HALF OF PIPE WHERE DROP ACROSS PIT IS LESS THAN 50mm.
3. PROVIDE BICYCLE SAFE "V" SHAPED CLASS D GRATE (600mm MIN WIDTH).

[illegible]



DRAINAGE LONGITUDINAL SECTIONS



AS CONSTRUCTED

SCHEDULE NOTES:-

- WHERE PIT HAUNCHING IS REQUIRED, INTERNAL PIT WALL DIMENSIONS MUST ALLOW 50mm CLEARANCE EACH SIDE OF PIPE OUTSIDE DIAMETER, INCLUDING ANGULAR PIPE ENTRY TO PIT. MINIMUM DIMENSIONS OF PIT BASE ARE TO BE AS PER SIZES SPECIFIED IN THE PIT SCHEDULE. TOP OF PIT OPENING FOR ALL HAUNCHED PITS TO BE 900mm x 600mm.
- PIT BASE TO BE SHAPED TO MATCH LOWER HALF OF PIPE WHERE DROP ACROSS PIT IS LESS THAN 50mm.
- PROVIDE BICYCLE SAFE "V" SHAPED (CLASS D) GRATE (600mm MIN WIDTH).

- INDICATES CRUSHED ROCK BACKFILL CLASS 2
- INDICATES CRUSHED ROCK BACKFILL CLASS 3
- INDICATES 5YR HGL

AMENDMENTS

|   |          |                                     |
|---|----------|-------------------------------------|
| D | 05-09-18 | DRAINAGE PIT 17 MOVED, PIT 31 ADDED |
| B | 29-05-18 | DRAINAGE PITS 14-16 LOWERED         |
| A | 20-12-17 | ISSUED FOR CONSTRUCTION             |

|     |      |         |
|-----|------|---------|
| VER | DATE | REMARKS |
|     |      |         |

breese pitt dixon pty. ltd.  
land surveyors  
civil engineers

MELWAY REF. 388-C-10  
SURVEY BPD  
DESIGN SS  
DRAWN RGW  
CHECKED

SCALE AS SHOWN  
DATUM AHD  
DATE OCT'17

RATHDOWNE ESTATE  
STAGE 3  
DRAINAGE LONGITUDINAL SECTION

MUNICIPALITY WHITTLESEA  
REFERENCE 9365 E/3  
SHEET 10 OF 11

1/19 coto street  
hawthorn east, 3123  
telephone 8823 2300  
fax no. 8823 2310

E

