

RESIDENTIAL DEVELOPMENT  
LOT 1134 AURA BARINGA  
QLD 4551

BAX

Engineering

PTY. LTD.

2261 DAVID LOW WAY, PEREGIAN BEACH, QLD 4573  
INFO@BAXENGINEERING.COM.AU

Operational Works Application

KARLOO



LOCALITY PLAN

DRAWING SCHEDULE

| NUMBER                  | TITLE                                       |
|-------------------------|---------------------------------------------|
| GENERAL                 |                                             |
| 210-030-001             | COVER SHEET                                 |
| 210-030-002             | GENERAL NOTES                               |
| EARTHWORKS              |                                             |
| 210-030-100             | SITE LAYOUT PLAN                            |
| 210-030-200             | EARTHWORKS LAYOUT PLAN                      |
| 210-030-201             | EARTHWORKS SECTIONS                         |
| 210-030-250             | SEDIMENT & EROSION CONTROL PLAN             |
| 210-030-251             | SEDIMENT AND EROSION DETAILS - SHEET 1 OF 3 |
| 210-030-252             | SEDIMENT AND EROSION DETAILS - SHEET 2 OF 3 |
| 210-030-253             | SEDIMENT AND EROSION DETAILS - SHEET 3 OF 3 |
| ROADWORK AND STORMWATER |                                             |
| 210-030-300             | GRADING AND DRAINAGE LAYOUT PLAN            |
| 210-030-330             | JOINTING LAYOUT PLAN                        |
| 210-030-331             | CONCRETE & JOINTING DETAILS                 |
| 210-030-400             | DRAINAGE CATCHMENT LAYOUT PLAN              |
| 210-030-401             | DRAINAGE LONGITUDINAL SECTION SHEET 1 OF 2  |
| 210-030-402             | DRAINAGE LONGITUDINAL SECTION SHEET 2 OF 2  |
| 210-030-403             | DRAINAGE CALCULATIONS TABLE                 |
| VEHICLE SWEEP PATH      |                                             |
| 210-030-800             | SWEPT PATH PLAN - SHEET 1 OF 4              |
| 210-030-801             | SWEPT PATH PLAN - SHEET 2 OF 4              |
| 210-030-802             | SWEPT PATH PLAN - SHEET 3 OF 4              |
| 210-030-803             | SWEPT PATH PLAN - SHEET 4 OF 4              |

PROPERTY DESCRIPTION

LOT:  
1134  
PLAN:  
SP305382  
LOCAL AUTHORITY:  
SUNSHINE COAST COUNCIL  
LOCAL AUTHORITY APPROVAL NO:  
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PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2024/1534  
Date: 21 November 2024



PROJECT DESCRIPTION

PROJECT NAME:  
LOT 1134 AURA BARINGA QLD 4551  
PROJECT NO:  
210-030  
REVISION DATE:  
11.10.24  
PLAN ISSUE:

FOR APPROVAL

1. CONTRACT SPECIFICATIONS  
ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATION

SURVEY SETOUT INFORMATION HAS BEEN ESTABLISHED ON SITE BY THE PRINCIPAL'S SURVEYOR TO ENABLE THE CONTRACTOR TO ACCURATELY SETOUT THE WORKS TO THE CO-ORDINATES SHOWN. SETOUT INFORMATION SHALL NOT BE OBTAINED BY SCALING FROM THESE DRAWINGS.

LEVELS SHOWN ARE TO A.H.D.  
CONTRACTOR TO CONFIRM ALL LEVELS PRIOR TO THE COMMENCEMENT OF WORK

THE LOCATIONS OF ALL EXISTING SERVICES WITHIN THE WORK AREA SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION COMMENCING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE RELEVANT AUTHORITIES AND TO ENSURE THAT THE EXISTING SERVICES ARE NOT DAMAGED OR DISTURBED IN ANY WAY.

ALL WORK TO CONFORM TO THE RELEVANT LOCAL AUTHORITY'S SPECIFICATIONS

ALL SUITABLE CUT TO FILL MATERIALS GENERATED FROM EXCAVATIONS ASSOCIATED WITH THE PROJECT ARE TO BE COMPACTED TO FUTURE STAGES, OR IF DIRECTED BY THE SUPERINTENDENT REMOVED AND LAWFULLY DISPOSED OFF-SITE.

1. ALL STORMWATER PIPE TYPES, BEDDING, BACKFILL AND STRUCTURES COMPLETE TO BE IN ACCORDANCE WITH THE LOCAL AUTHORITY'S SPECIFICATIONS AND STANDARD DRAWINGS.

2. ALL CONCRETE PIPES TO BE SOCKETED WITH RUBBER RING JOINTS. FLUSH JOINTS ARE NOT TO BE USED UNLESS AUTHORISED BY LOCAL AUTHORITY.

3. ALL ALLOTMENTS TO BE GRADED SUCH THAT ROOFWATER DRAINAGE DISCHARGES TO LINED SWALES OR TO THE PIPED DRAINAGE SYSTEM.

4. PVC PIPE AND KERB ADAPTORS TO BE USED WHERE ALLOTMENT DRAINAGE DISCHARGES TO THE KERB AND CHANNEL.

5. ALL PIPES GREATER THAN AND INCLUDING 300mm DIA. SHALL BE CONSTRUCTED USING SRC OR FRC PIPES UNLESS OTHERWISE APPROVED. CONTRACTOR MAY ELECT TO USE PVC PIPES (RUBBER RING JOINTED OR SOLVENT WELDED JOINTED) WITHIN ALLOTMENTS FOR PIPES SMALLER THAN 300mm DIA.

6. UNLESS NOTED OTHERWISE, INTER-ALLOTMENT DRAINAGE IS TO BE LOCATED 0.5m FROM THE REAR AND SIDE BOUNDARIES OF THE ALLOTMENT SERVED. EASEMENTS 1.5m WIDE ARE TO BE CREATED OVER THE COMPLETED INTER-ALLOTMENT DRAINAGE.

7. LOTS DRAINING VIA OVERLAND FLOW TO THE ROAD RESERVE (WITHOUT FLOWING THROUGH ADJOINING PROPERTIES) ARE TO PROVIDE FOR Q100 OVERLAND FLOW.

8. ALL PIPES UNDER TRAFFICABLE AREAS TO BE CLASS '2' RCP MINIMUM, UNLESS NOTED OTHERWISE

9. PIPES HAVE BEEN DESIGNED FOR SERVICE LOADS ONLY. THE PRINCIPAL CONTRACTOR SHALL ASSESS THE ALL CONSTRUCTION LOADS AND UPGRADE (AT THEIR OWN COST) IF NECESSARY. THE INCLUDED 'MINIMUM COMPACTION COVER TO PIPES' TABLE TO BE USED AS A GUIDE ONLY.

1. LINEMARKING AND SIGNAGE IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".

2. EXTENT OF LINEMARKING IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION

3. EXACT LOCATION OF ALL SIGNS IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.

4. ALL SIGN POSTS & SIGN RAILS TO BE GALVANISED UNLESS OTHERWISE DIRECTED BY THE SUPERINTENDENT.



IT IS THE RESPONSIBILITY OF THE PRINCIPAL CONTRACTOR TO CONTACT ALL RELEVANT SERVICE AUTHORITIES TO VERIFY THE LOCATION OF ALL EXISTING SERVICES PRIOR TO THE START OF CONSTRUCTION

NOTE: SERVICE LOCATIONS ARE APPROXIMATE ONLY FROM PROVIDERS PLANS. LOCATIONS ARE TO BE CONFIRMED PRIOR TO START OF CONSTRUCTION. PHONE DBYD SERVICE LOCATIONS ON **1100** FOR DETAILS.

**'yes' OPTUS** **Telstra** **visionstream**

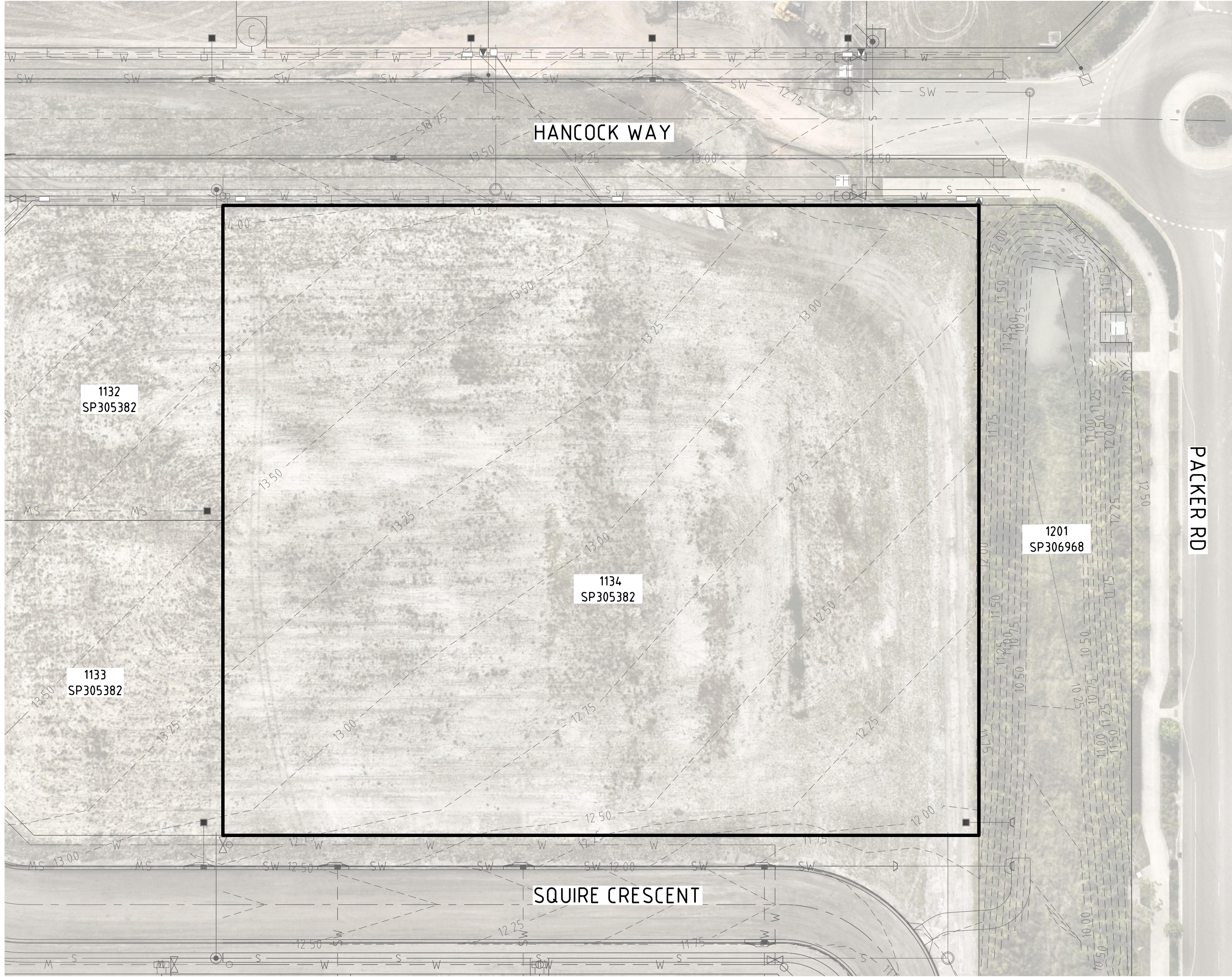
NOTE: SERVICE LOCATIONS ARE APPROXIMATE ONLY FROM PROVIDERS PLANS. LOCATIONS ARE TO BE CONFIRMED PRIOR TO START OF CONSTRUCTION. PHONE DBYD SERVICE LOCATIONS ON **1100** FOR DETAILS.



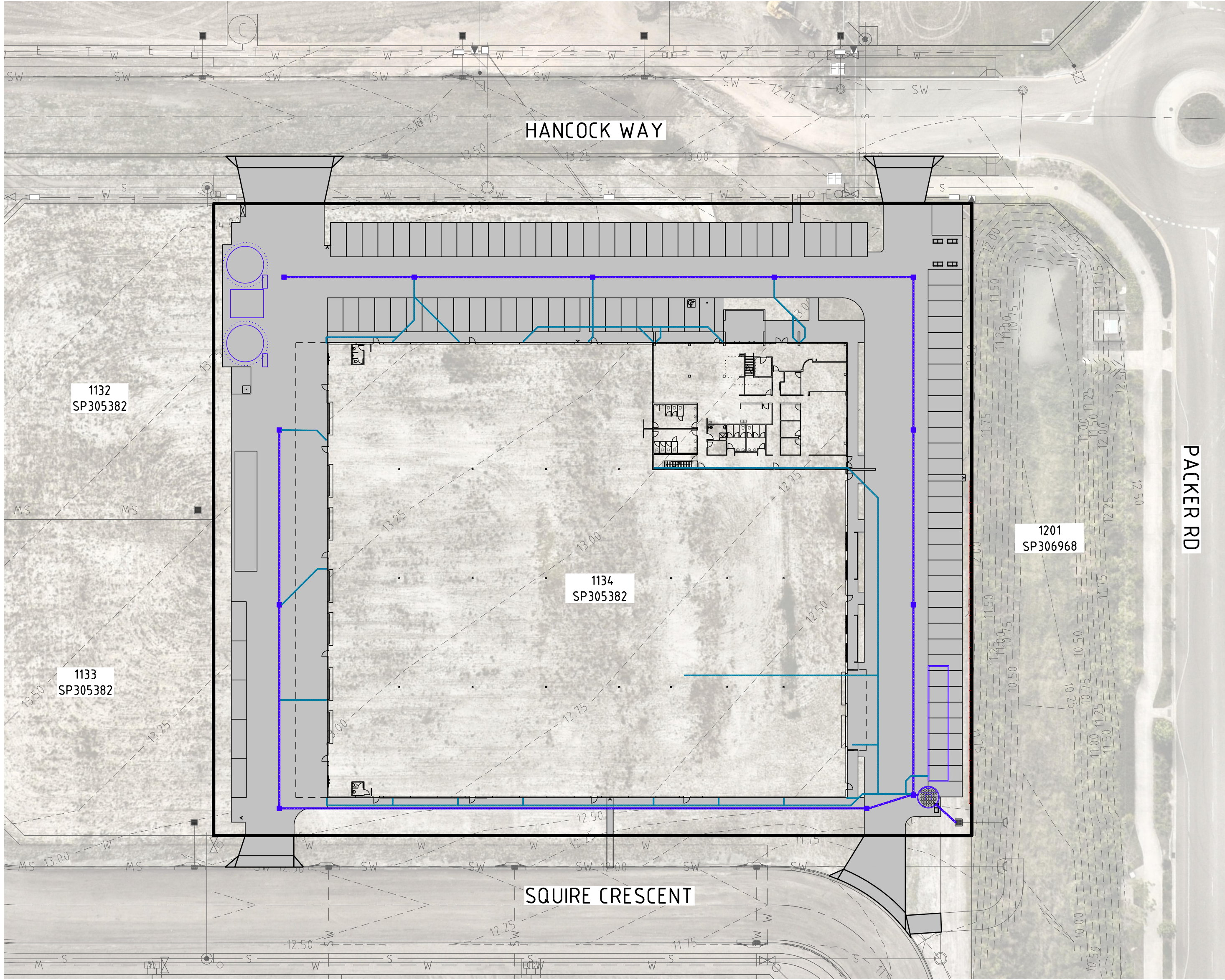
EXTREME CARE TO BE TAKEN WHILE EXCAVATING IN THE VICINITY OF OPTIC FIBRE CABLES. LOCATIONS ARE TO BE CONFIRMED PRIOR TO START OF CONSTRUCTION.

NOTE: ALL SIGNS & LINE MARKING TO BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

[illegible]



EXISTING LAYOUT PLAN



PROPOSED LAYOUT PLAN

- LEGEND:
- ADJACENT BOUNDARY
  - EXISTING MINOR CONTOUR
  - EXISTING MAJOR CONTOUR
  - EXISTING FENCE
  - EXISTING STORMWATER
  - EXISTING SEWER
  - EXISTING WATER
  - EXISTING TELSTRA
  - PROPOSED BOUNDARY
  - PROPOSED MINOR CONTOUR
  - PROPOSED MAJOR CONTOUR
  - PROPOSED CONCRETE PAVEMENT
  - PROPOSED STORMWATER PIPE AND PIT
  - PROPOSED ROOFWATER PIPE
  - PROPOSED RETAINING WALL

PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

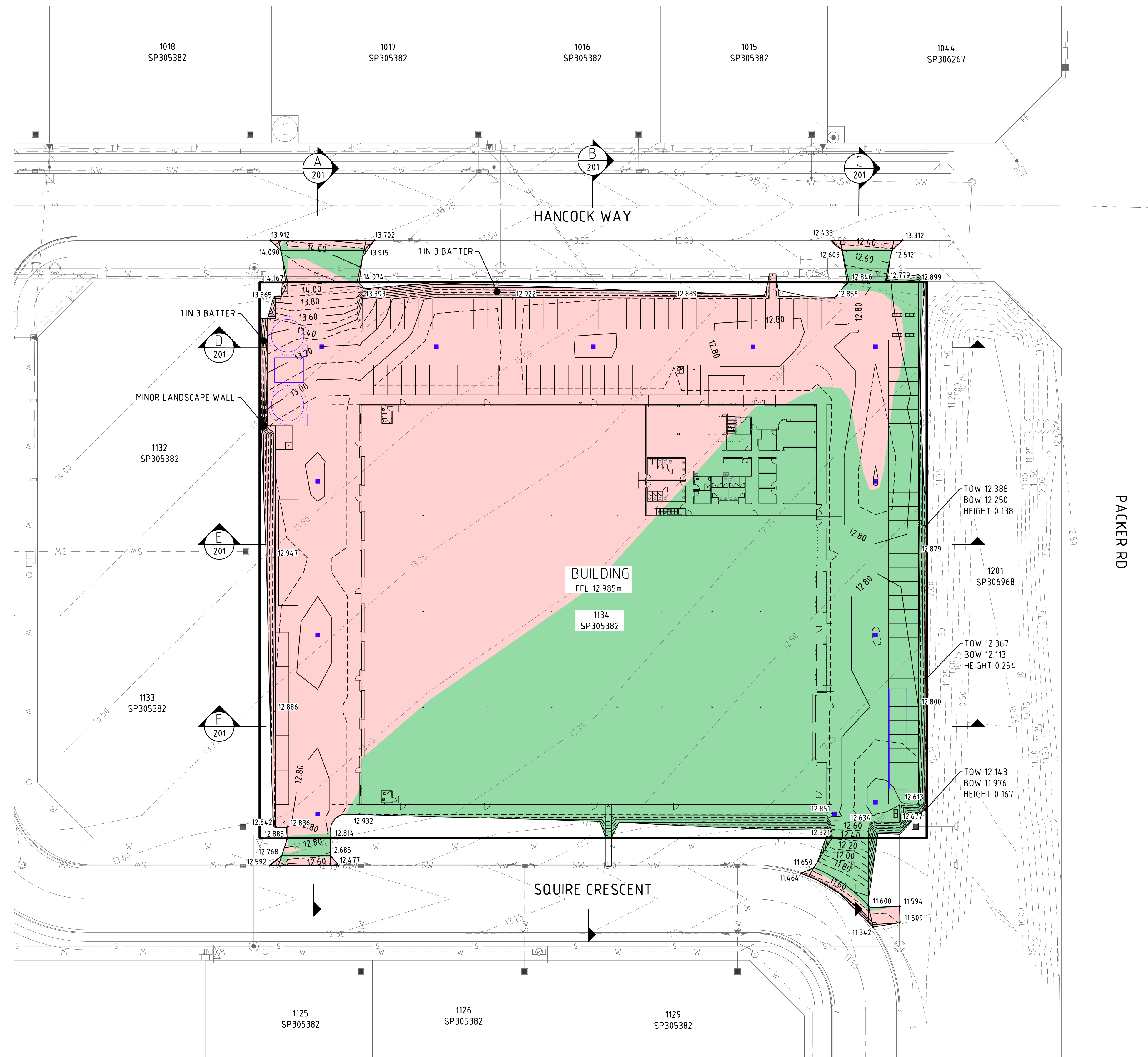
Approval no: DEV2024/1534  
Date: 21 November 2024



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|     |          |                                           |    | SCALE:<br>0 5 10 15 20 25m<br>Scale 1:500 - A1 (1:1000 - A3) |                                     | SURVEYED:<br>DATUM: AHD |                                                | <br>2261 DAVID LOW WAY, PEREGRINE BEACH, QLD 4573<br>INFO@BAXENGINEERING.COM.AU |  | CLIENT:<br>KARLOO                          |  | NORTH POINT<br> |  | TITLE:<br>SITE LAYOUT PLAN |  |
| D   | 11.10.24 | GPT ADDED, SOUTHERN DRIVEWAY ADJUSTED     | QT | GWA                                                          | PROJECT NO:<br>210-030              | DATE<br>07.07.24        | APPROVED:<br>                                  |                                                                                 |  | PROJECT:<br>LOT 1134 AURA BARINGA QLD 4551 |  |                 |  |                            |  |
| C   | 07.07.24 | SWEPT PATHS AMENDED, U/G REUSE TANK ADDED | QT | GWA                                                          | CHECKED<br>GWA                      | DESIGNED<br>TN          | FOR AND ON BEHALF OF BAX ENGINEERING PTY. LTD. |                                                                                 |  |                                            |  |                 |  |                            |  |
| B   | 14.05.24 | STORMWATER MANAGEMENT REVISED             | QT | GWA                                                          | LOCAL AUTHORITY APPROVAL NO:<br>--- | DESIGNED<br>HL          |                                                |                                                                                 |  |                                            |  |                 |  |                            |  |
| A   | 03.04.24 | ISSUE FOR APPROVAL                        | HL | GWA                                                          |                                     |                         |                                                |                                                                                 |  |                                            |  |                 |  |                            |  |
| No. | DATE     | REVISIONS                                 | BY | CKD                                                          |                                     |                         |                                                |                                                                                 |  |                                            |  |                 |  |                            |  |



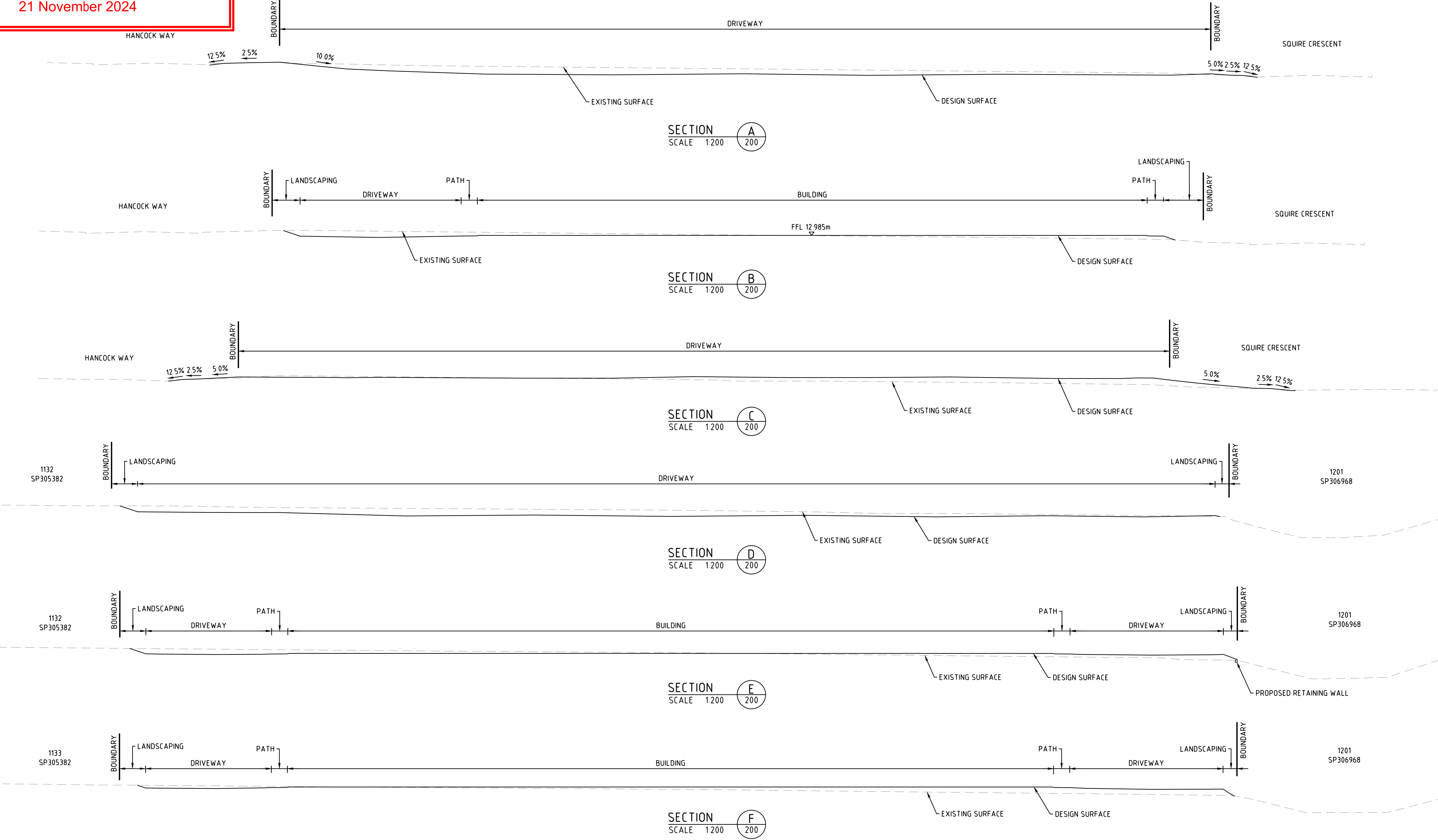
Date: 21 November 2024



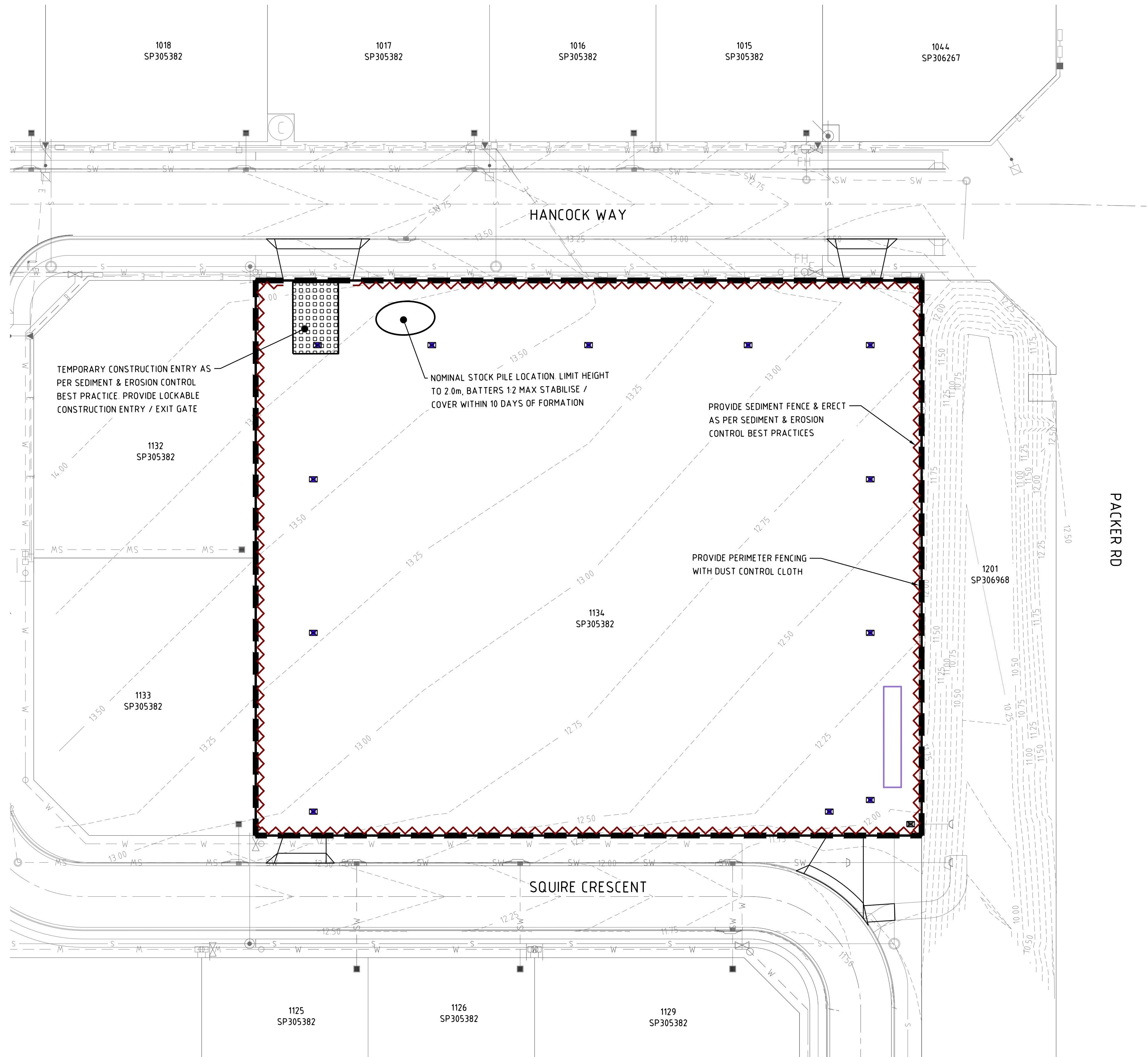
EARTHWORKS VOLUME FROM EXISTING  
SURFACE TO DESIGN SURFACE  
CUT = 2,147m<sup>3</sup>  
FILL = 1,623m<sup>3</sup>  
BALANCE = 524m<sup>3</sup>

|                                                                                       |                         |
|---------------------------------------------------------------------------------------|-------------------------|
|  | ADJACENT BOUNDARY       |
|  | EXISTING MINOR CONTOUR  |
|  | EXISTING MAJOR CONTOUR  |
|  | EXISTING FENCE          |
|  | EXISTING STORMWATER     |
|  | EXISTING SEWER          |
|  | EXISTING WATER          |
|  | EXISTING TELSTRA        |
|  | PROPOSED BOUNDARY       |
|  | PROPOSED MINOR CONTOUR  |
|  | PROPOSED MAJOR CONTOUR  |
|  | PROPOSED CUT AREA       |
|  | PROPOSED FILL AREA      |
|  | PROPOSED RETAINING WALL |

|  |  |  |  |                                                                                                                                                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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LTD.</div> <div><div><div><div>ISO 9001<br/>QUALITY<br/>MANAGEMENT<br/>SYSTEM</div><div>REGISTERED</div></div><div><div>ISO 14001<br/>ENVIRONMENTAL<br/>MANAGEMENT<br/>SYSTEM</div><div>REGISTERED</div></div></div><div><div>2261 DAVID LOW WAY, Peregian Beach, QLD 4573<br/>INFO@BAXENGINEERING.COM.AU<br/>1300 650 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|     |          |                                           |    | SCALE:<br><div><div><div></div><div></div><div></div><div></div><div></div></div><div>02557.51012.5m</div><div>Scale 1:250 - A1 (1:500 - A3)</div></div> |                                                                                                                                                                                                                                                                                                                                                | SURVEYED:<br><br>DATUM: AHD |                | <div><div><div></div><div></div><div></div></div><div><div>BAX</div><div>Engineering</div><div>PTY. LTD.</div></div><div>2261 DAVID LOW WAY, PEREGIAN BEACH, QLD 4573</div><div>INFO@BAXENGINEERING.COM.AU</div></div> |  | CLIENT:<br><br>KARLOO |  | NORTH POINT |  | TITLE:<br>EARTHWORKS SECTIONS |  |          |  |   |    |  |  |
| D   | 11.10.24 | GPT ADDED, SOUTHERN DRIVEWAY ADJUSTED     | QT | GWA                                                                                                                                                      | PROJECT:<br>LOT 1134 AURA BARINGA QLD 4551                                                                                                                                                                                                                                                                                                     |                             |                |                                                                                                                                                                                                                        |  |                       |  |             |  |                               |  |          |  |   |    |  |  |
| C   | 07.07.24 | SWEPT PATHS AMENDED, U/G REUSE TANK ADDED | QT | GWA                                                                                                                                                      | APPROVED:<br><div><div><div></div><div></div><div></div></div><div>GLENN AINSWORTH<br/>CPESC No: 7678<br/>RPEQ No: 19204</div><div><div>ISO 9001<br/>QUALITY<br/>MANAGEMENT SYSTEM</div><div>REGISTERED</div><div>ISO 14001<br/>ENVIRONMENTAL<br/>MANAGEMENT SYSTEM</div></div><div>FOR AND ON BEHALF OF BAX ENGINEERING PTY. LTD.</div></div> |                             |                |                                                                                                                                                                                                                        |  |                       |  |             |  |                               |  |          |  |   |    |  |  |
| B   | 14.05.24 | STORMWATER MANAGEMENT REVISED             | QT | GWA                                                                                                                                                      | LOCAL AUTHORITY APPROVAL NO:<br>---                                                                                                                                                                                                                                                                                                            |                             | CHECKED<br>GWA |                                                                                                                                                                                                                        |  | DATE<br>07.07.24      |  |             |  |                               |  |          |  |   |    |  |  |
| A   | 03.04.24 | ISSUE FOR APPROVAL                        | HL | GWA                                                                                                                                                      | DRAWN<br>TN                                                                                                                                                                                                                                                                                                                                    |                             | DESIGNED<br>HL |                                                                                                                                                                                                                        |  |                       |  |             |  |                               |  |          |  |   |    |  |  |
| No. | DATE     | REVISIONS                                 |    | BY                                                                                                                                                       | CKD                                                                                                                                                                                                                                                                                                                                            |                             |                |                                                                                                                                                                                                                        |  |                       |  | PLAN No     |  | 210-030-201                   |  | REVISION |  | D | A1 |  |  |



PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2024/1534

Date: 21 November 2024



NOTE:

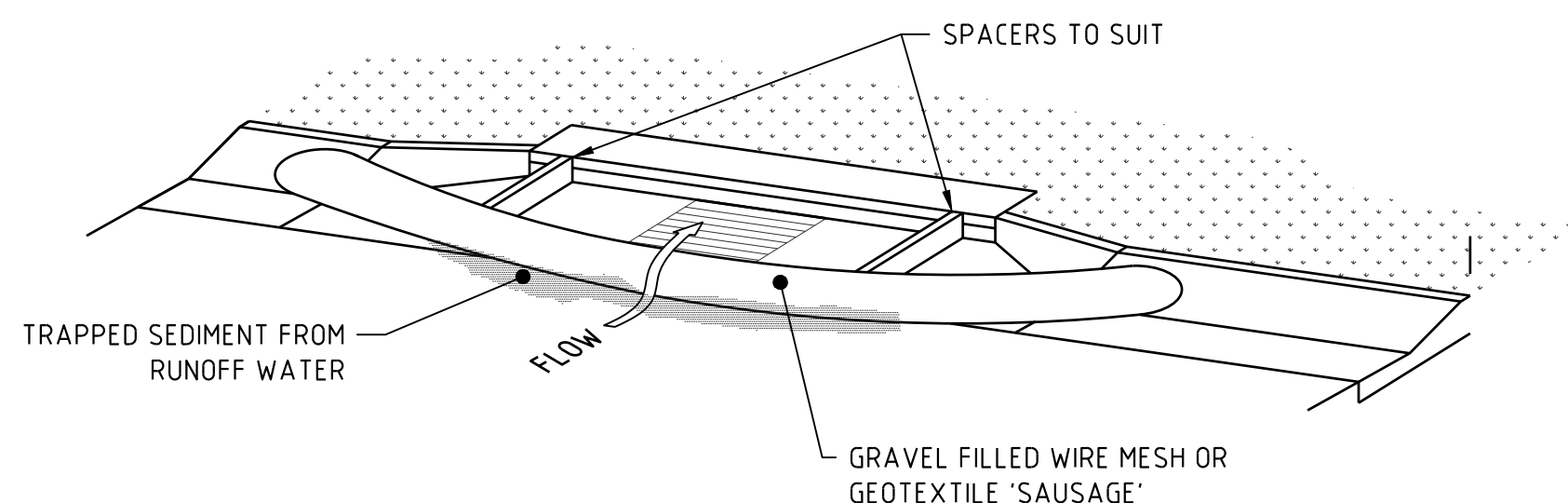
THE SEDIMENT AND EROSION PLANS CONTAINED HEREIN OUTLINE THE POSSIBLE MANAGEMENT REQUIREMENTS DURING THE EARTHWORKS AND CONSTRUCTION PHASES OF A PROJECT. THE FOR CONSTRUCTION PLANS SHOULD BE COMPLETED BY THE PRINCIPAL CONTRACTOR, BE USED AS A GUIDE ONLY AND ANY DEVICES INSTALLED IN ACCORDANCE WITH THE RELEVANT STATUTORY AUTHORITY POLICIES. THE PLANS ARE TO GUIDE IN THE USE OF SUITABLE MEASURES WHICH COULD BE IMPLEMENTED ON A CIVIL CONSTRUCTION SITE. HOWEVER NOT ALL OF THE MEASURES MAY BE APPLICABLE TO THE SITE AND THE PLANS SHOULD BE ADJUSTED TO SUIT WHILE EFFORTS TO ENSURE COMPLIANCE, IT IS THE ULTIMATE RESPONSIBILITY OF THE PRINCIPAL CONTRACTOR TO IMPLEMENT BEST PRACTICES TO MANAGE THE SEVERITY AND EXTENT OF SOIL EROSION DURING THE EARTHWORKS AND CONSTRUCTION PHASES IN ACCORDANCE WITH ALL RELEVANT POLICIES.

LEGEND:

- ADJACENT BOUNDARY
- EXISTING EASEMENT
- EXISTING FENCE
- EXISTING CONTOUR
- EXISTING BUILDING
- EXISTING KERB & CHANNEL
- EXISTING UNDERGROUND ELECTRICITY
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING WATER
- EXISTING TELSTRA
- EXISTING VEGETATION
- EXISTING WATER METER
- EXISTING WATER FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING STORMWATER PIT
- EXISTING SEWER MANHOLE
- EXISTING TREE
- PROPOSED BOUNDARY
- PROPOSED STORMWATER PIT
- SEDIMENT FENCE
- STABILISED SITE ACCESS
- PIT PROTECTION FILTER
- PERIMETER FENCE

|     |          |                                           |    |                                                                                                                                                      |                                     |                                                   |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                              |  |                                                  |             |          |   |    |
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|     |          |                                           |    | SCALE:<br><div><div><div></div><div></div><div></div><div></div><div></div></div><div>048121620m</div><div>Scale 1:400 - A1 (1:800 - A3)</div></div> |                                     | SURVEYED:<br><br>DATUM: AHD                       |                                                                                                                                                 | <div><div><div><div></div><div></div></div><div><div>BAX</div><div>Engineering</div><div>PTY. LTD.</div></div><div><div>2261 DAVID LOW WAY, PEREEGAN BEACH, QLD 4573</div><div>INFO@BAXENGINEERING.COM.AU</div></div></div><div><div><div>ISO 9001</div><div>QUALITY</div><div>MANAGEMENT</div><div>SYSTEM</div></div><div><div>REGISTERED</div><div>COMPANY</div></div></div><div><div><div>ISO 14001</div><div>ENVIRONMENTAL</div><div>MANAGEMENT</div><div>SYSTEM</div></div><div><div>REGISTERED</div><div>COMPANY</div></div></div><div><div>Unipolstar's Accreditation</div><div>and Recognition</div></div></div> |  |                                                                                              |  |                                                  |             |          |   |    |
| D   | 11.10.24 | GPT ADDED, SOUTHERN DRIVEWAY ADJUSTED     | QT | GWA                                                                                                                                                  | PROJECT NO:<br>210-030              | DATE<br>07.07.24                                  | APPROVED:<br><div><div><div></div><div></div><div></div></div><div>GLENN AINSWORTH</div><div>CRPG No. 7678</div><div>RPEQ No. 19204</div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                              |  |                                                  |             |          |   |    |
| C   | 07.07.24 | SWEPT PATHS AMENDED, U/G REUSE TANK ADDED | QT | GWA                                                                                                                                                  | CHECKED<br>GWA                      |                                                   |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                              |  |                                                  |             |          |   |    |
| B   | 14.05.24 | STORMWATER MANAGEMENT REVISED             | QT | GWA                                                                                                                                                  | DRAWN<br>TN                         |                                                   |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                              |  |                                                  |             |          |   |    |
| A   | 03.04.24 | ISSUE FOR APPROVAL                        | HL | GWA                                                                                                                                                  | DESIGNED<br>HL                      |                                                   |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                              |  |                                                  |             |          |   |    |
| No. | DATE     | REVISIONS                                 | BY | CKD                                                                                                                                                  | LOCAL AUTHORITY APPROVAL NO:<br>--- | FOR AND ON BEHALF OF BAX ENGINEERING PTY. LTD.    |                                                                                                                                                 | CLIENT:<br><br>KARLOO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | NORTH POINT<br><div><div><div></div><div></div><div></div><div></div><div></div></div></div> |  | TITLE:<br><br>SEDIMENT & EROSION<br>CONTROL PLAN |             |          |   |    |
|     |          |                                           |    |                                                                                                                                                      |                                     | PROJECT:<br><br>LOT 1134 AURA BARINGA QLD<br>4551 |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                              |  | PLAN No                                          | 210-030-250 | REVISION | D | A1 |

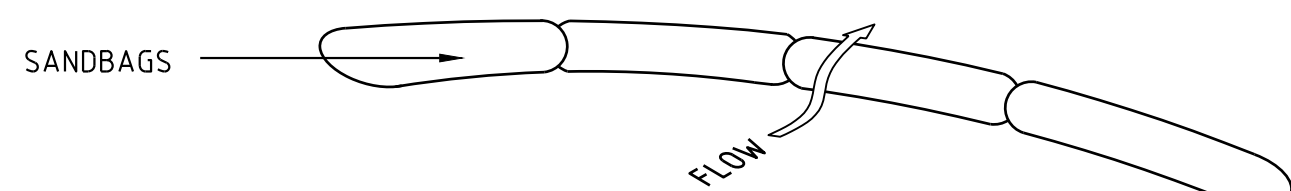




#### CONSTRUCTION NOTES:

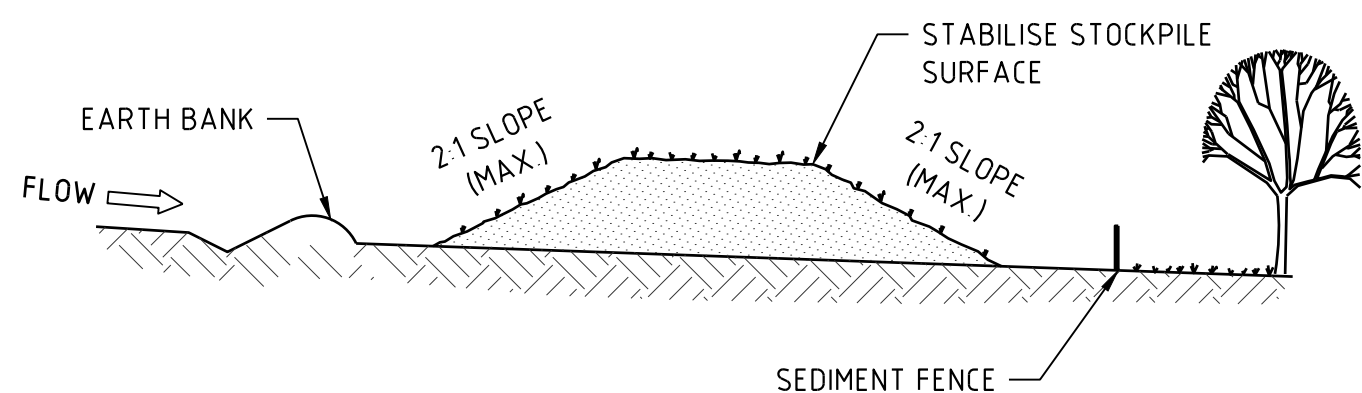
1. INSTALL FILTERS TO KERB INLETS AT SAG POINTS ONLY
2. 'SAUSAGE' TO BE FILLED WITH 25mm TO 50mm GRAVEL, SHAPED INTO AN ELLIPTICAL CROSS SECTION APPROX. 150mm HIGH AND 400mm WIDE AND BE NO LONGER THAN LENGTH OF INLET PIT
3. SPACERS TO PROVIDE MIN. 100mm GAP BETWEEN FILTER AND KERB INLET AND FORM SEAL WITH KERB TO PREVENT SEDIMENT BYPASSING FILTER
4. GRAVEL FILLED SANDBAGS CAN BE USED AS A SUBSTITUTE FOR 'SAUSAGE'. SANDBAGS MUST BE FIRMLY PLACED AND INTERLOCKED TO PREVENT SEDIMENT PASSING BETWEEN THEM

### GRAVEL INLET FILTER



PROVIDE SAND BAGS ACROSS FLOW PATH AS DETERMINED ON SITE BY SUPERINTENDENT.

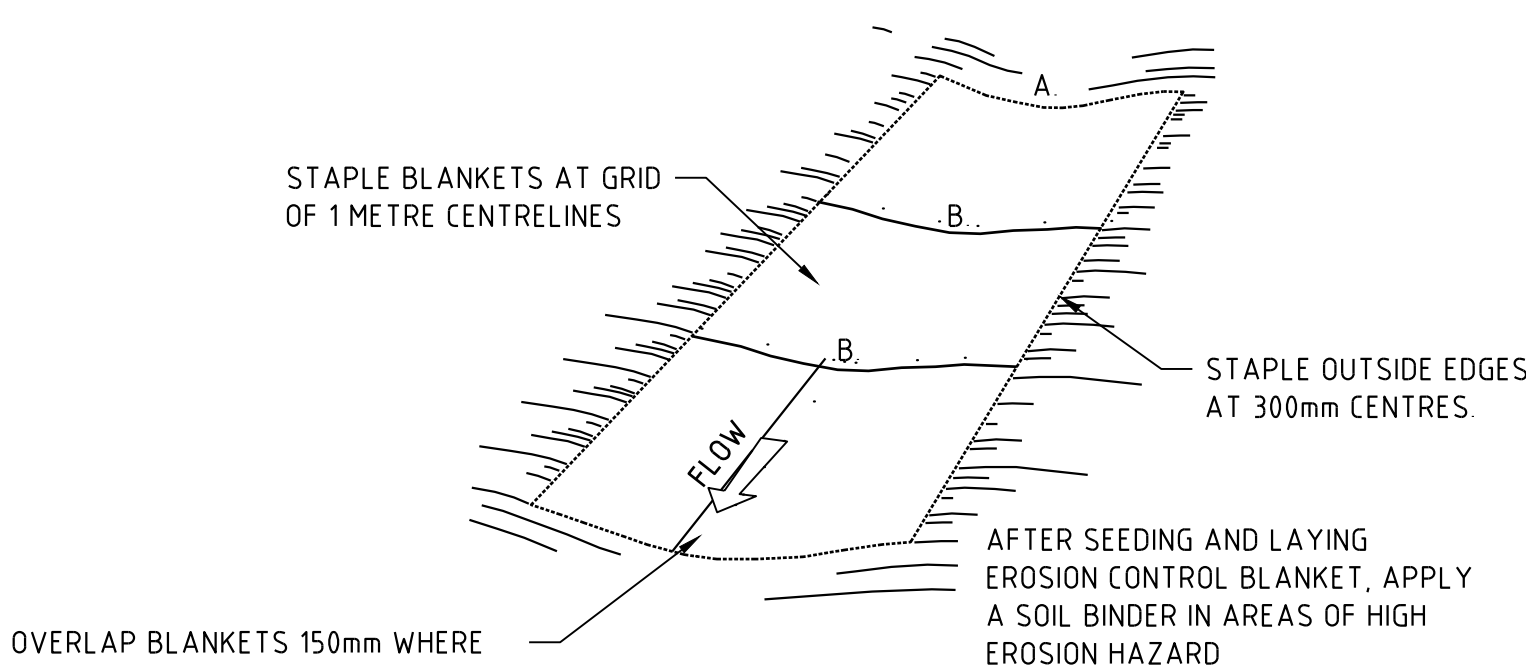
### SANDBAG TEMPORARY BUND



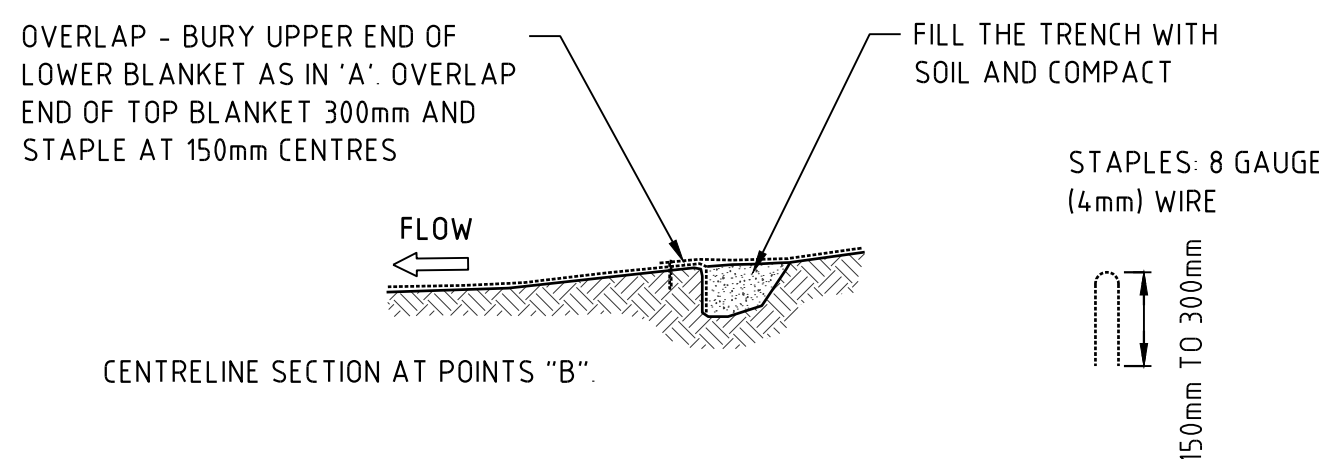
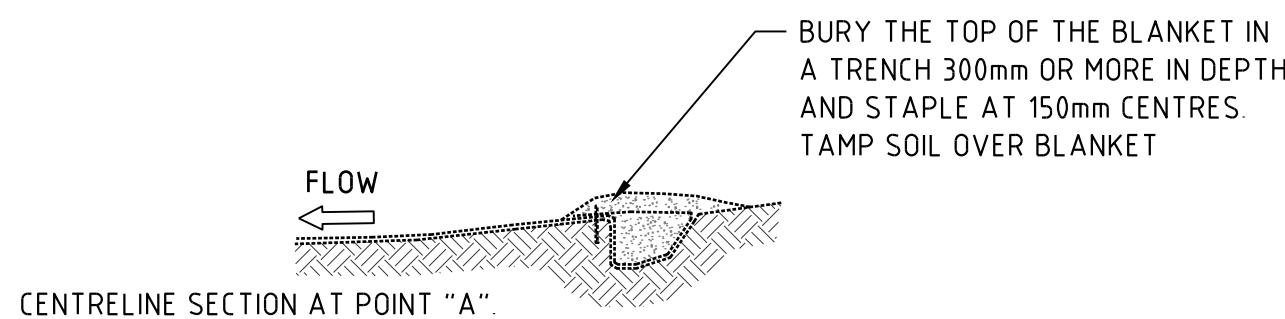
#### CONSTRUCTION NOTES:

1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS
2. CONSTRUCT ON CONTOURS AS LOW, FLAT, ELONGATED MOUNDS
3. WHERE POSSIBLE, RESTRICT TOPSOIL STOCKPILES TO LESS THAN 2 METRES IN HEIGHT
4. WHERE PLACED FOR MORE THAN 10 DAYS, STABILISE TO REDUCE THE C-FACTOR TO LESS THAN 0.10
5. CONSTRUCT DIVERSION DRAINS ON THE UPSLOPE SIDE AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.

### STOCKPILES



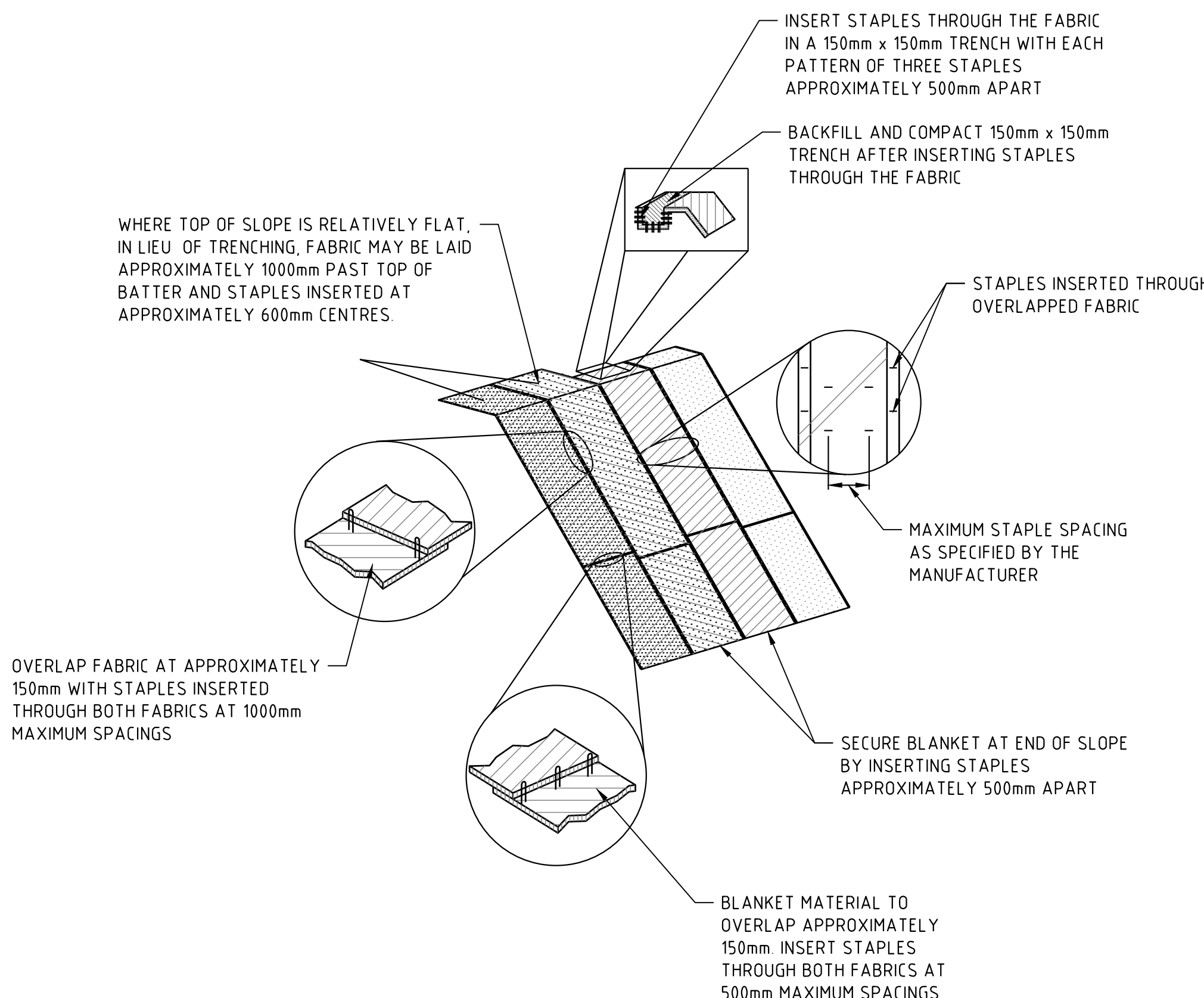
OVERLAP BLANKETS 150mm WHERE TWO OR MORE WIDTHS ARE REQUIRED AND STAPLE ALONG JOINS AT 300mm CENTRES



#### CONSTRUCTION NOTES:

1. REMOVE ANY ROCKS, CLODS, STICKS OR GRASS FROM THE SURFACE BEFORE LAYING MATTING
2. ENSURE THAT TOPSOIL IS AT LEAST 75mm DEEP
3. COMPLETE FERTILISING AND SEEDING BEFORE LAYING THE MATTING
4. ENSURE FABRIC WILL BE CONTINUOUSLY IN CONTACT WITH THE SOIL BY GRADING THE SURFACE CAREFULLY FIRST
5. LAY THE FABRIC IN "SHINGLE-FASHION", WITH THE END OF EACH UPSTREAM ROLL OVERLAPPING THOSE DOWNSLOPE. ENSURE EACH ROLL IS ANCHORED PROPERLY AT ITS UPSLOPE END
6. ENSURE THAT THE FULL WIDTH OF FLOW IN THE CHANNEL IS COVERED BY THE MATTING UP TO THE DESIGN STORM EVENT (USUALLY A 10-YEAR ARI TIME OF CONCENTRATION STORM EVENT)
7. DIVERT WATER FROM THE STRUCTURE UNTIL VEGETATION IS STABILISED PROPERLY.

### CONCENTRATED FLOW CATCH DRAIN



#### CONSTRUCTION NOTES:

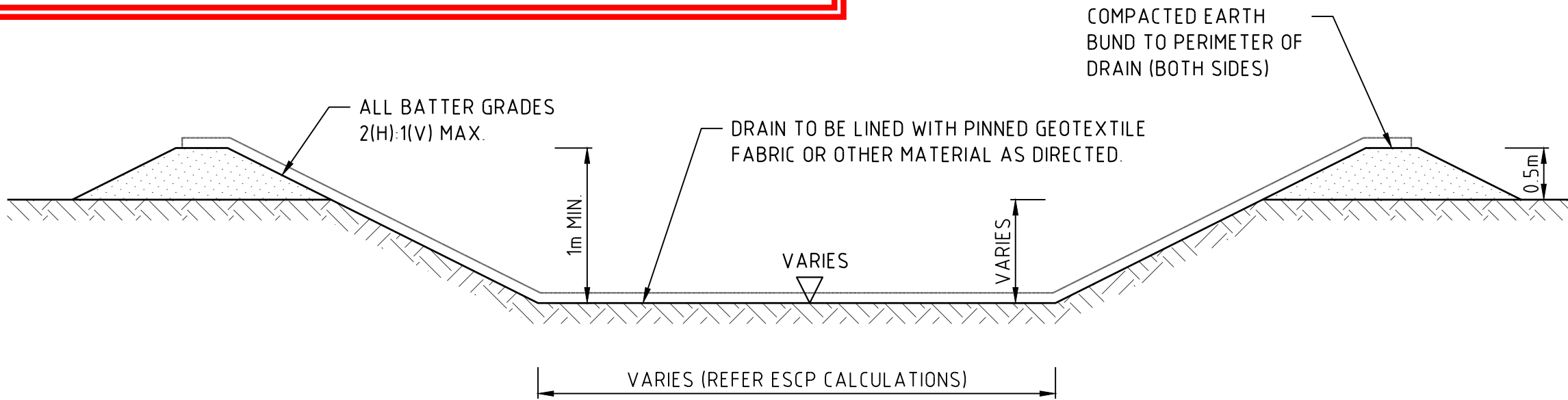
1. REMOVE ANY ROCKS, CLODS, STICKS OR GRASS FROM THE GROUND SURFACE BEFORE LAYING THE MATTING
2. SPREAD TOPSOIL TO AT LEAST 75mm DEPTH
3. COMPLETE FERTILISING AND SEEDING ON A PROPERLY PREPARED SEEDBED WHERE REQUIRED PRIOR TO LAYING MATTING
4. ENSURE FABRIC IS CONTINUOUSLY IN CONTACT WITH THE SOIL BY GRADING THE SURFACE CAREFULLY FIRST
5. MATTING TO BE LAID "SHINGLE-FASHION" WITH ENDS OF EACH UPSTREAM ROLL OVERLAPPING NEXT DOWNSLOPE ROLL
6. ENSURE SUFFICIENT STAPLES ARE USED TO MAINTAIN A GOOD CONTACT BETWEEN SOIL AND MATTING

### BATTER SHEET FLOW

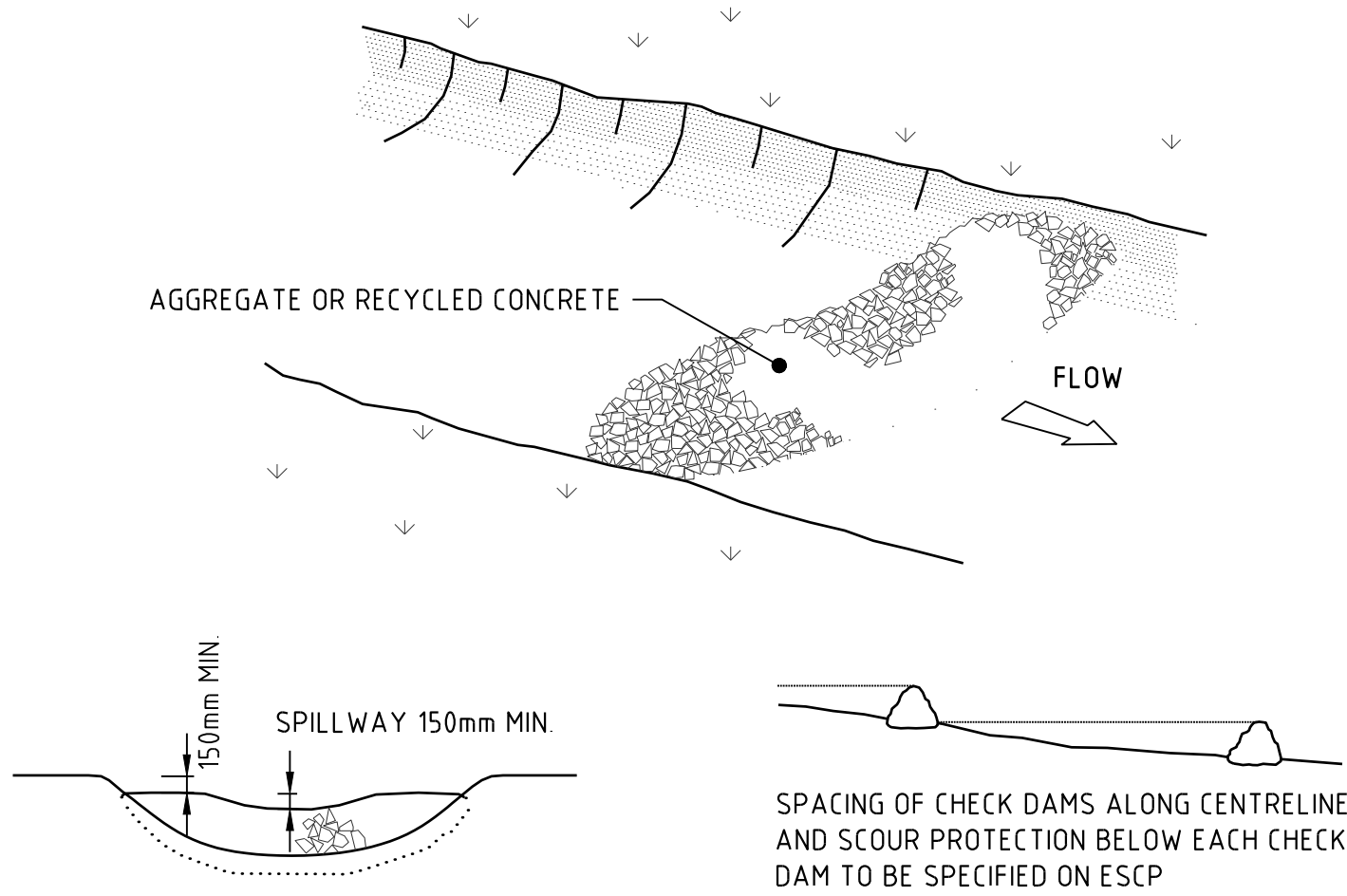
|                                                             |  |  |  |                                  |  |  |                                                |  |  |                                |  |  |             |  |  |                              |  |  |
|-------------------------------------------------------------|--|--|--|----------------------------------|--|--|------------------------------------------------|--|--|--------------------------------|--|--|-------------|--|--|------------------------------|--|--|
|                                                             |  |  |  | SCALE:                           |  |  | SURVEYED:                                      |  |  | CLIENT:                        |  |  | NORTH POINT |  |  | TITLE:                       |  |  |
|                                                             |  |  |  |                                  |  |  |                                                |  |  | KARLOO                         |  |  |             |  |  | SEDIMENT AND EROSION DETAILS |  |  |
| D 11.10.24 GPT ADDED, SOUTHERN DRIVEWAY ADJUSTED QT GWA     |  |  |  |                                  |  |  | DATUM: AHD                                     |  |  |                                |  |  |             |  |  | - SHEET 2 OF 3               |  |  |
| C 07.07.24 SWEPT PATHS AMENDED, U/G REUSE TANK ADDED QT GWA |  |  |  | PROJECT NO: 210-030              |  |  | APPROVED:                                      |  |  | PROJECT:                       |  |  |             |  |  |                              |  |  |
| B 14.05.24 STORMWATER MANAGEMENT REVISED QT GWA             |  |  |  | DATE 07.07.24                    |  |  | GLENN AINSWORTH CPESC No: 7678 RPEQ No: 19204  |  |  | LOT 1134 AURA BARINGA QLD 4551 |  |  |             |  |  |                              |  |  |
| A 03.04.24 ISSUE FOR APPROVAL HL GWA                        |  |  |  | LOCAL AUTHORITY APPROVAL NO: --- |  |  | DESIGNED HL                                    |  |  |                                |  |  |             |  |  |                              |  |  |
| No. DATE REVISIONS BY CKD                                   |  |  |  |                                  |  |  | FOR AND ON BEHALF OF BAX ENGINEERING PTY. LTD. |  |  |                                |  |  |             |  |  | PLAN No 210-030-252          |  |  |
|                                                             |  |  |  |                                  |  |  |                                                |  |  |                                |  |  |             |  |  | REVISION D                   |  |  |
|                                                             |  |  |  |                                  |  |  |                                                |  |  |                                |  |  |             |  |  | A1                           |  |  |

PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2024/1534  
Date: 21 November 2024



CLEAN WATER CATCH DRAIN



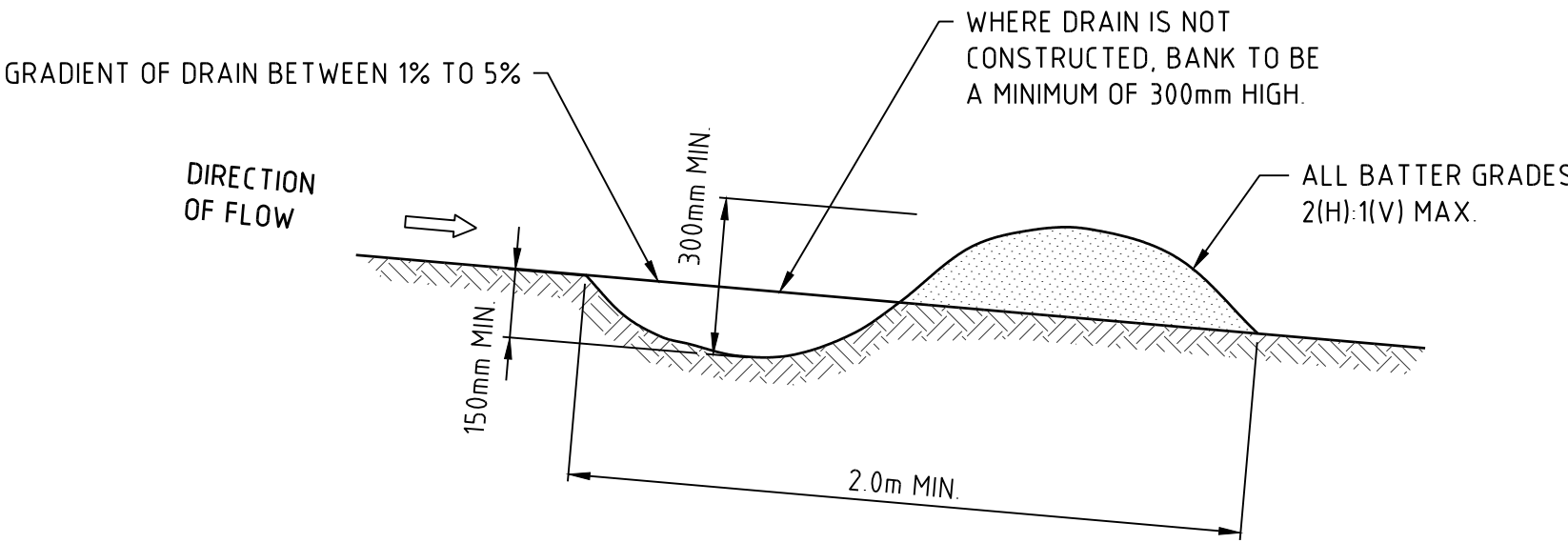
TYPICAL CHANNEL SECTION

TYPICAL LONGITUDINAL SECTION

CONSTRUCTION NOTES:

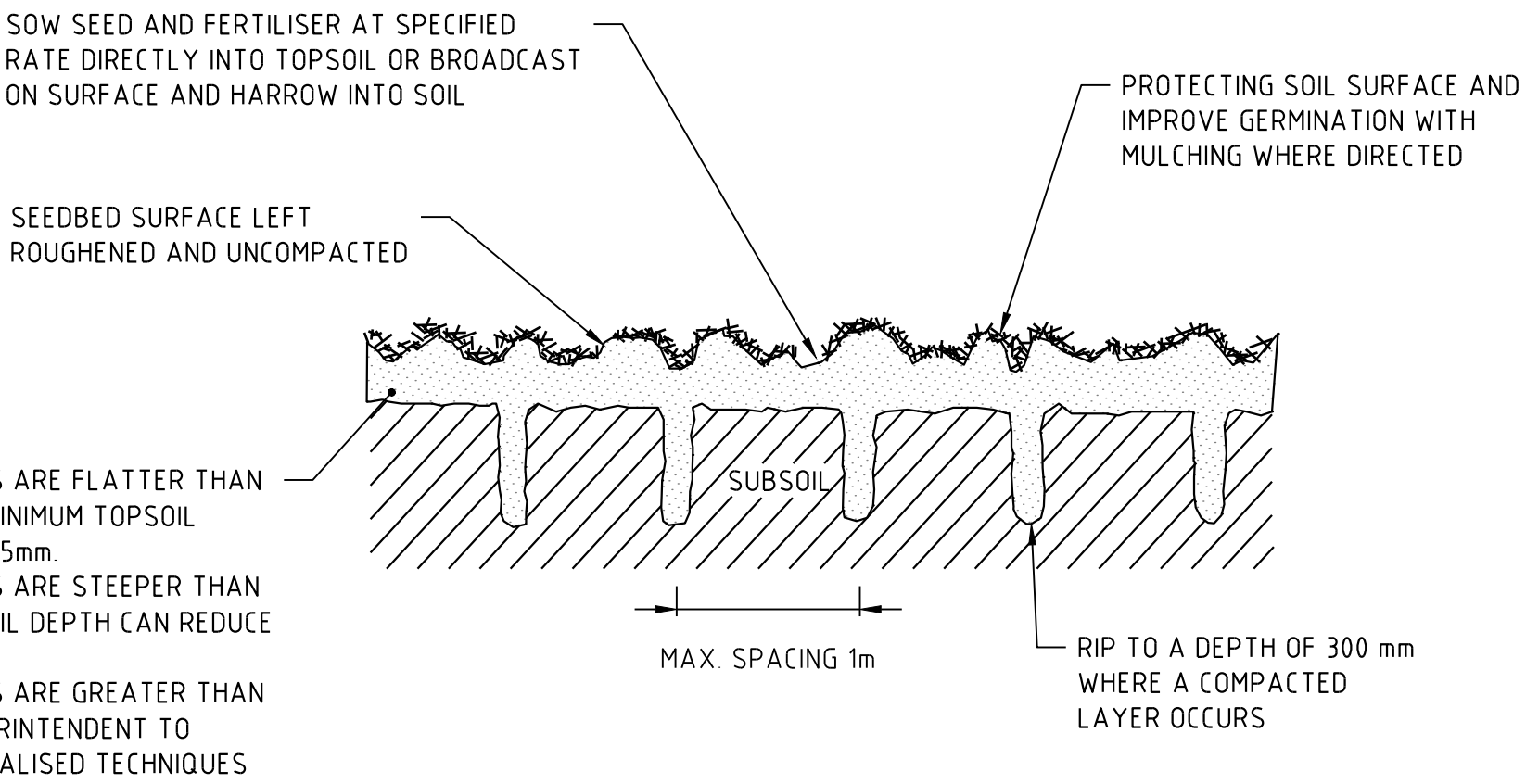
- CHECK DAMS TO BE BUILT WITH VARIOUS MATERIALS, INCLUDING ROCKS, LOGS, AND SANDBAGS. THE MAINTENANCE PROGRAM SHOULD ENSURE INTEGRITY IS RETAINED.
- TRENCH CHECK DAM 200mm INTO THE GROUND ACROSS WHOLE WIDTH. WHERE ROCK IS USED, FILL TRENCHES TO AT LEAST 100mm ABOVE GROUND SURFACE TO REDUCE RISK OF UNDERCUTTING.
- TRENCH MAXIMUM HEIGHT SHOULD NOT EXCEED 600mm ABOVE GULLY FLOOR. THE CENTRE SHOULD ACT AS A SPILLWAY, BEING AT LEAST 150mm LOWER THAN OUTER EDGES.
- SPACE DAMS SO THE TOE OF THE UPSTREAM DAM IS LEVEL WITH THE SPILLWAY OF THE FOLLOWING DOWNSTREAM DAM.

ROCK CHECK DAM



CONSTRUCTION NOTES:

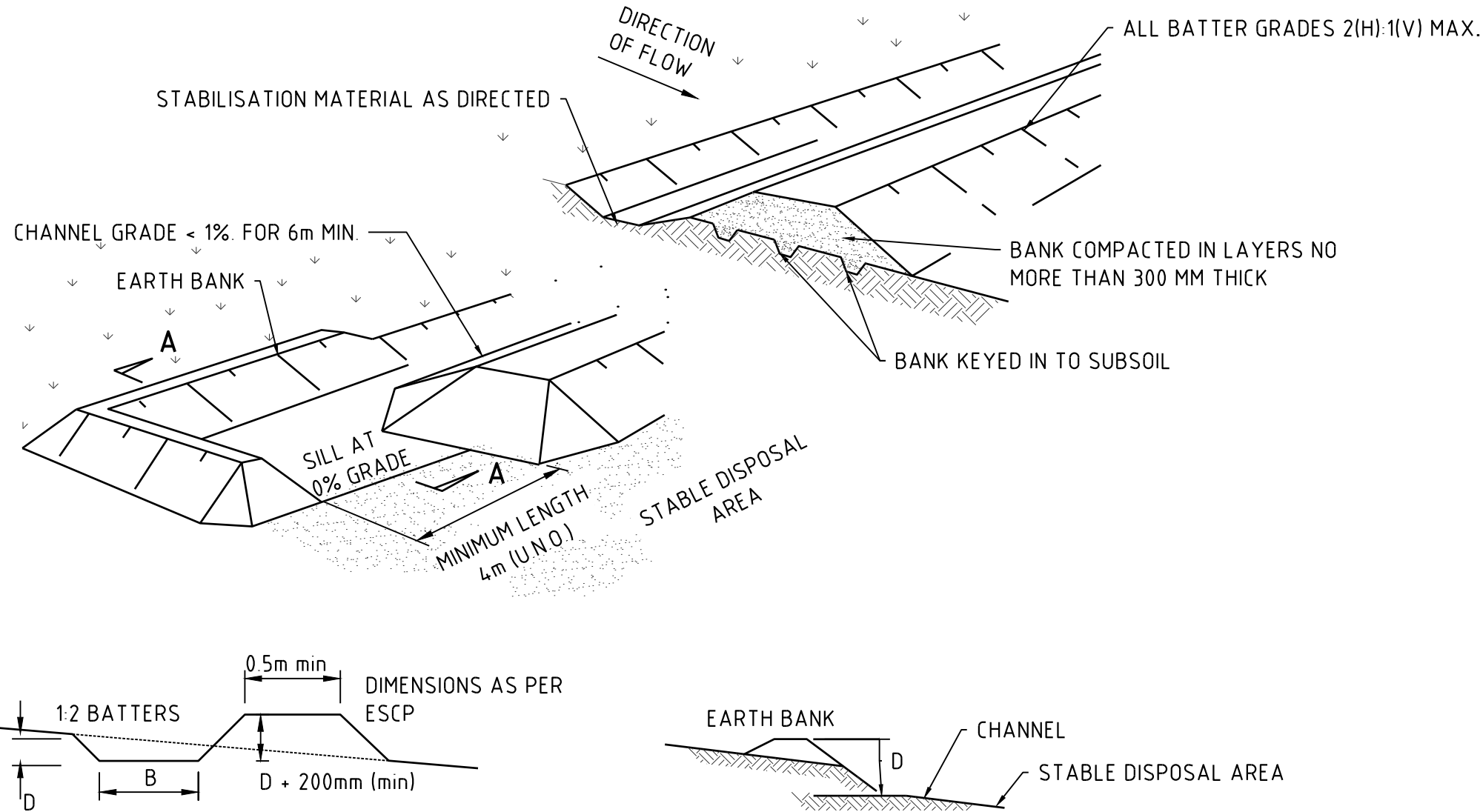
- LOW FLOW DRAINS TO BE USED WHERE THE MAXIMUM UPSLOPE LENGTH IS 80m
- BUILD WITH GRADIENTS BETWEEN 1 PERCENT AND 5 PERCENT
- WHERE POSSIBLE WORK AROUND EXISTING VEGETATION.
- ENSURE THE STRUCTURE IS FREE OF PROJECTIONS OR IRREGULARITIES THAT COULD IMPEDE FLOW.
- DRAINS TO BE CONSTRUCTED WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS (NOT V SHAPED)
- ENSURE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE
- WHERE POSSIBLE COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION



CONSTRUCTION NOTES:

- LOOSEN COMPACTED SOIL BEFORE SOWING SEED. IF NECESSARY, RIP SURFACE TO A DEPTH OF 300mm. AVOID ROTARY HOE CULTIVATION.
- AVOID COMPACTION BY WORKING THE GROUND A MINIMAL AMOUNT IN ORDER TO ACHIEVE THE DESIRED TILTH AND GOOD SEED BED.
- AVOID CULTIVATION IN VERY WET OR VERY DRY CONDITIONS.
- CULTIVATE ALONG THE CONTOUR, NOT UP AND DOWN THE SLOPE.

SEEDBED PREPARATION



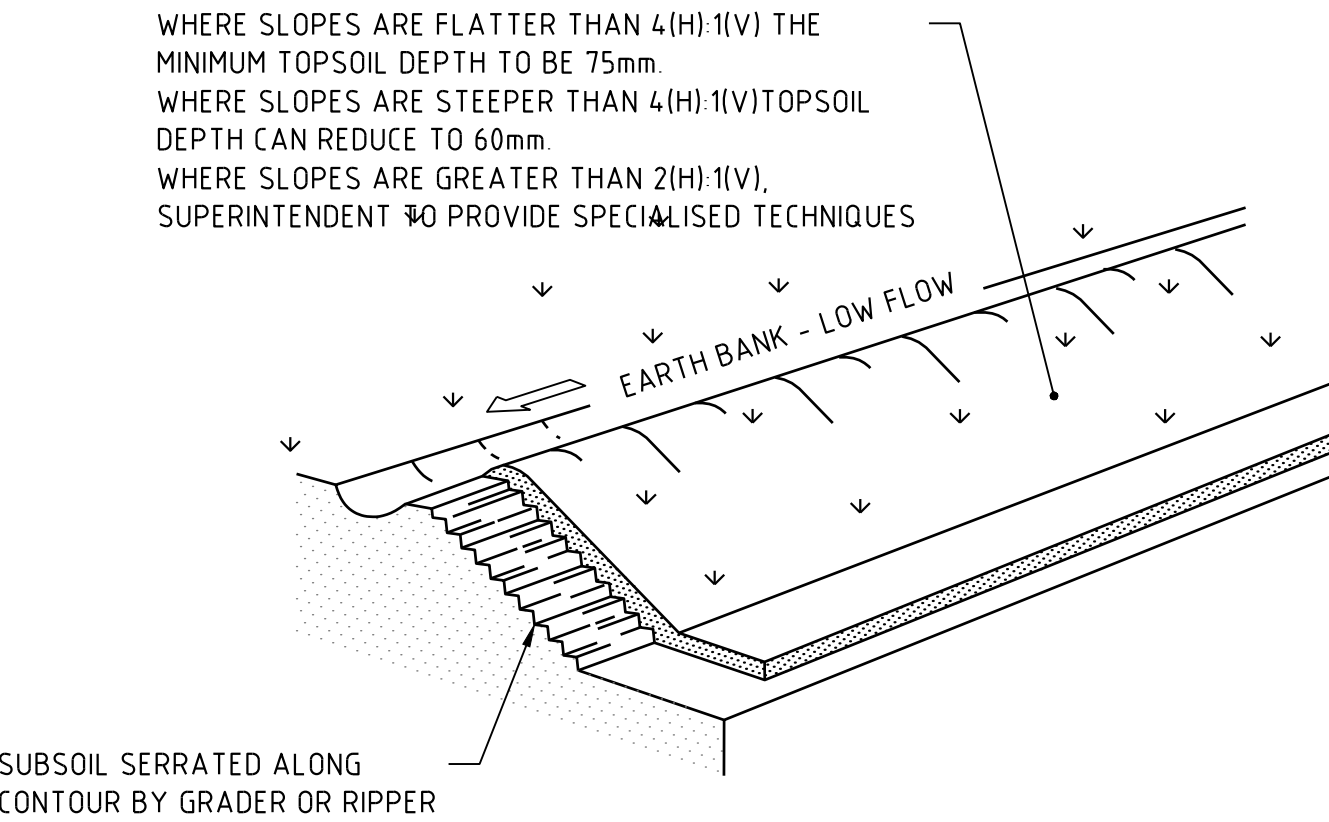
TYPICAL CHANNEL SECTION

SECTION AA

CONSTRUCTION NOTES:

- CONSTRUCT AT THE GRADIENT SPECIFIED (PREFERABLY BETWEEN 1 AND 5 PERCENT)
- WORK AROUND EXISTING VEGETATION AND AVOID REMOVING TREES AND SHRUBS WHERE POSSIBLE
- ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
- BUILD DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V-SHAPED, AT THE DIMENSIONS SHOWN ON THE ESCP
- ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
- WHERE DISCHARGING TO ERODIBLE LANDS, ENSURE OUTLET THROUGH A PROPERLY CONSTRUCTED LEVEL SPREADER.
- CONSTRUCT THE LEVEL SPREADER AT GRADIENTS SPECIFIED (PREFERABLY LESS THAN 1 PERCENT LEVEL)
- WHERE POSSIBLE, ENSURE WATER DISCHARGES ONTO STABILISED OR UNDISTURBED AREAS WITHIN THE SAME SUBCATCHMENT FROM WHICH IT ORIGINATED.

EARTH BANK (HIGH FLOWS)



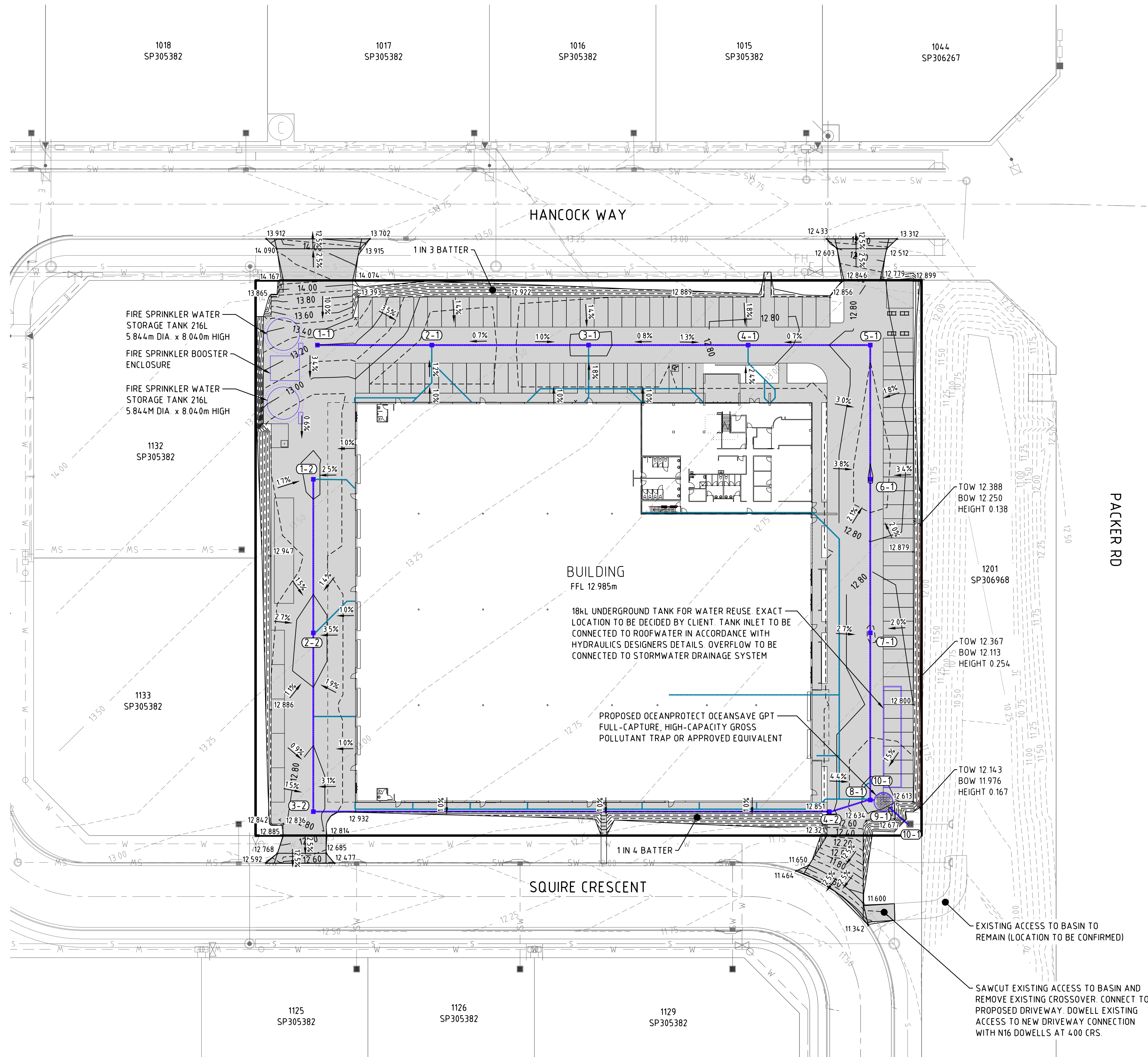
CONSTRUCTION NOTES:

- SCARIFY SURFACE ALONG THE LINE OF THE CONTOUR TO A DEPTH OF 50mm TO 100mm TO BREAK UP ANY HARDSETTING SURFACES AND TO PROVIDE A GOOD BOND BETWEEN THE RESPREAD MATERIAL AND SUBSOIL.
- ADD SOIL AMELIORANTS AS REQUIRED.
- IF COMPACTED LAYERS OCCUR RIP TO A DEPTH OF 300mm.

EARTH BANK (LOW FLOW) CATCH DRAINS

REPLACING TOPSOIL

|     |          |                                           |  |           |     |            |     |                                                                                                                                                                                                                                              |  |          |  |                                |  |                                                          |  |          |  |   |  |    |  |
|-----|----------|-------------------------------------------|--|-----------|-----|------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|--------------------------------|--|----------------------------------------------------------|--|----------|--|---|--|----|--|
|     |          |                                           |  | SCALE:    |     | SURVEYED:  |     | <div><div><b>BAX</b><br/><i>Engineering</i> PTY. LTD.</div><div>2261 DAVID LDW WAY, PEREBIAN BEACH, QLD 4573<br/>INFO@BAXENGINEERING.COM.AU</div></div> |  | CLIENT:  |  | NORTH POINT                    |  | TITLE:<br>SEDIMENT AND EROSION DETAILS<br>- SHEET 3 OF 3 |  |          |  |   |  |    |  |
| D   | 11.10.24 | GPT ADDED, SOUTHERN DRIVEWAY ADJUSTED     |  | QT        | GWA | DATUM: AHD |     |                                                                                                                                                                                                                                              |  | PROJECT: |  | LOT 1134 AURA BARINGA QLD 4551 |  |                                                          |  |          |  |   |  |    |  |
| C   | 07.07.24 | SWEPT PATHS AMENDED, U/G REUSE TANK ADDED |  | QT        | GWA | APPROVED:  |     |                                                                                                                                                                                                                                              |  |          |  |                                |  |                                                          |  |          |  |   |  |    |  |
| B   | 14.05.24 | STORMWATER MANAGEMENT REVISED             |  | QT        | GWA | APPROVED:  |     |                                                                                                                                                                                                                                              |  |          |  |                                |  |                                                          |  |          |  |   |  |    |  |
| A   | 03.04.24 | ISSUE FOR APPROVAL                        |  | HL        | GWA | APPROVED:  |     |                                                                                                                                                                                                                                              |  |          |  |                                |  |                                                          |  |          |  |   |  |    |  |
| No. |          | DATE                                      |  | REVISIONS |     | BY         | CKD |                                                                                                                                                                                                                                              |  |          |  | PLAN No                        |  | 210-030-253                                              |  | REVISION |  | D |  | A1 |  |



PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2024/1534  
Date: 21 November 2024



LEGEND:

- ADJACENT BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING FENCE
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING WATER
- EXISTING TELSTRA
- PROPOSED BOUNDARY
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STORMWATER PIPE AND PIT
- PROPOSED ROOFWATER PIPE
- PROPOSED RETAINING WALL

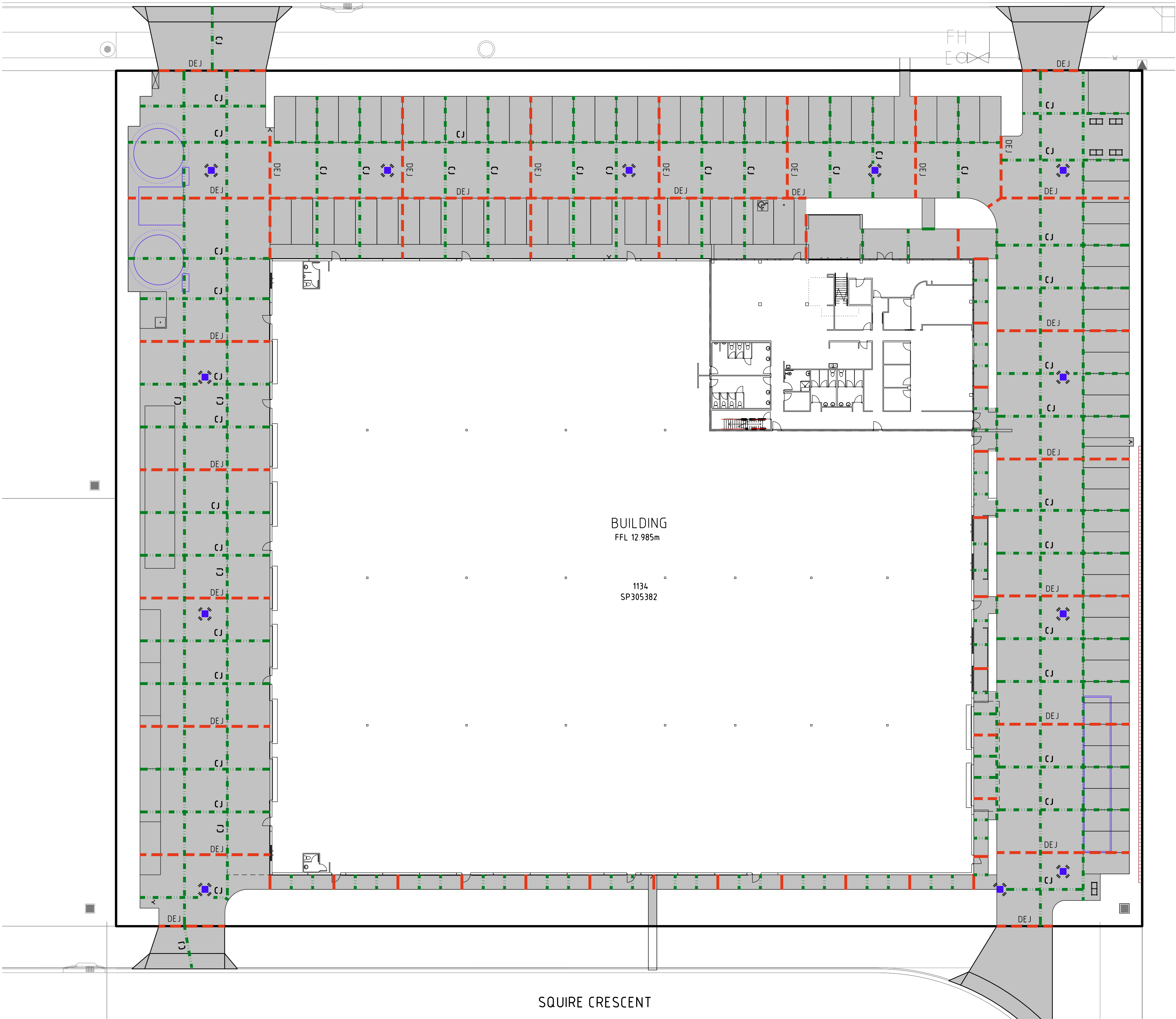
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|-----|----------|-------------------------------------------|--|--|----|------------------------------------------------------------------------------------------------|----------------------------------|--|----------------|------------------------------------------|-----------------------------------------------------|--|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--|----------|------------------------------------|---|----|--|--------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------|--|--|--|
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| D   | 11.10.24 | GPT ADDED, SOUTHERN DRIVEWAY ADJUSTED     |  |  | QT | GWA                                                                                            | PROJECT NO:<br>210-030           |  | DATE: 07.07.24 |                                          | APPROVED:                                           |  | LOT 1134 AURA BARINGA QLD 4551 |                                                                                                                                                                                                                        |             |  |          |                                    |   |    |  |                                                                    |  |  |  |                                                                 |  |  |  |
| C   | 07.07.24 | SWEPT PATHS AMENDED, U/G REUSE TANK ADDED |  |  | QT | GWA                                                                                            | CHECKED: GWA                     |  | DRAWN: TN      |                                          | GLENN AINSWORTH<br>CPESC No: 7678<br>RPEQ No: 19204 |  |                                |                                                                                                                                                                                                                        |             |  |          |                                    |   |    |  |                                                                    |  |  |  |                                                                 |  |  |  |
| B   | 14.05.24 | STORMWATER MANAGEMENT REVISED             |  |  | QT | GWA                                                                                            | LOCAL AUTHORITY APPROVAL NO: --- |  | DESIGNED: HL   |                                          | FOR AND ON BEHALF OF BAX ENGINEERING PTY. LTD.      |  |                                |                                                                                                                                                                                                                        |             |  |          |                                    |   |    |  |                                                                    |  |  |  |                                                                 |  |  |  |
| A   | 03.04.24 | ISSUE FOR APPROVAL                        |  |  | HL | GWA                                                                                            |                                  |  |                |                                          |                                                     |  |                                |                                                                                                                                                                                                                        |             |  |          |                                    |   |    |  |                                                                    |  |  |  |                                                                 |  |  |  |
| No. | DATE     | REVISIONS                                 |  |  | BY | CKD                                                                                            |                                  |  |                |                                          |                                                     |  | PLAN No                        |                                                                                                                                                                                                                        | 210-030-300 |  | REVISION |                                    | D | A1 |  |                                                                    |  |  |  |                                                                 |  |  |  |

HANCOCK WAY

PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2024/1534

Date: 21 November 2024

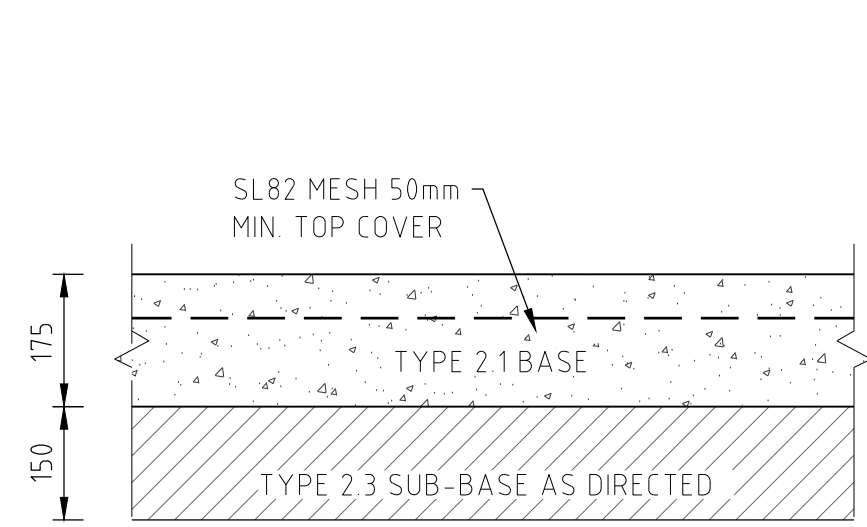


SQUIRE CRESCENT

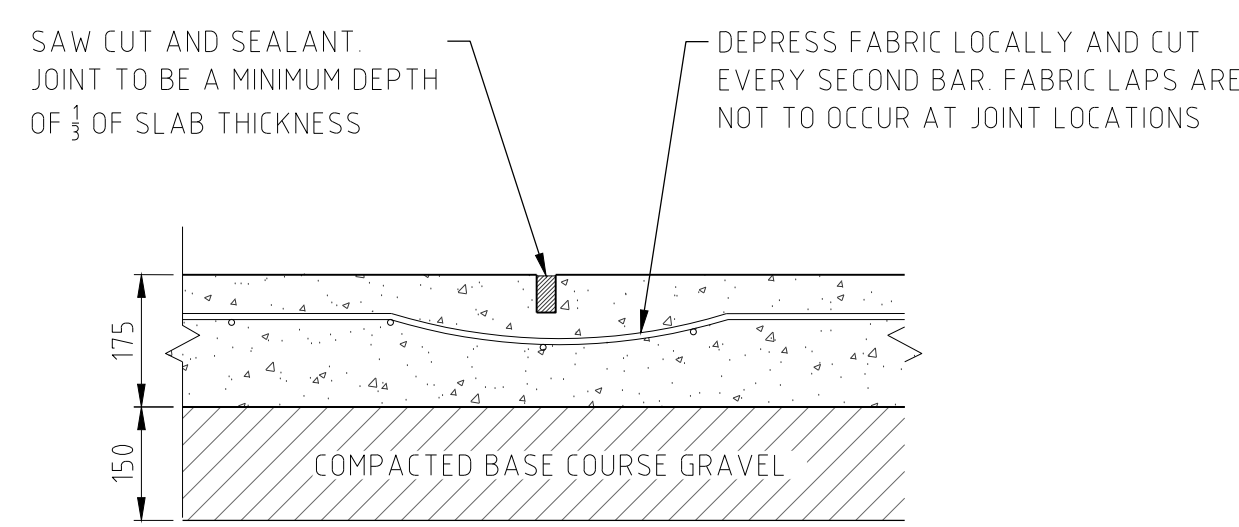
LEGEND:

- ADJACENT BOUNDARY
- PROPOSED BOUNDARY
- CJ CONTROL JOINT
- DEJ DOWELLED EXPANSION JOINT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED RETAINING WALL

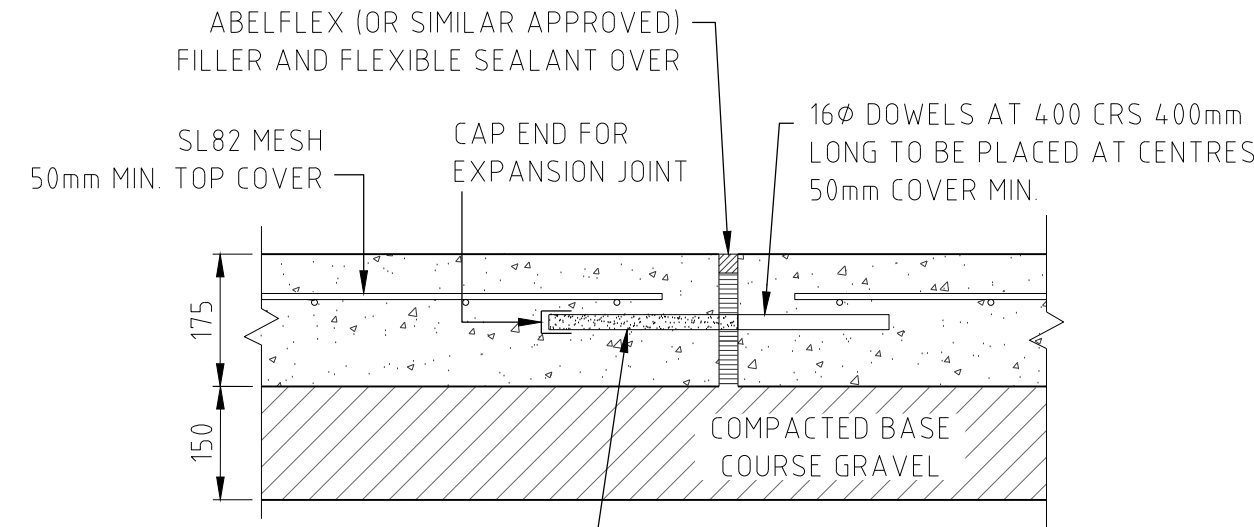
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| D   | 11.10.24 | GPT ADDED, SOUTHERN DRIVEWAY ADJUSTED     | QT | GWA                                                                                                                                                       | PROJECT NO:<br>210-030              | DATE<br>07.07.24            | APPROVED:<br><div><div></div><div>GLENN AINSWORTH<br/>CPESC No: 7678<br/>RPEQ No: 19204</div></div> |                                                                                                                                                                                    |  | PROJECT:<br><br>LOT 1134 AURA BARINGA QLD 4551 |  |                                       |             |                                |   |    |  |
| C   | 07.07.24 | SWEPT PATHS AMENDED, U/G REUSE TANK ADDED | QT | GWA                                                                                                                                                       | LOCAL AUTHORITY APPROVAL NO:<br>--- | CHECKED<br>GWA              | DRAWN<br>TN                                                                                         |                                                                                                                                                                                    |  |                                                |  |                                       |             |                                |   |    |  |
| B   | 14.05.24 | STORMWATER MANAGEMENT REVISED             | QT | GWA                                                                                                                                                       |                                     | DESIGNED<br>HL              |                                                                                                     |                                                                                                                                                                                    |  |                                                |  |                                       |             |                                |   |    |  |
| A   | 03.04.24 | ISSUE FOR APPROVAL                        | HL | GWA                                                                                                                                                       |                                     |                             |                                                                                                     |                                                                                                                                                                                    |  |                                                |  |                                       |             |                                |   |    |  |
| No. | DATE     | REVISIONS                                 |    | BY                                                                                                                                                        | CKD                                 |                             |                                                                                                     |                                                                                                                                                                                    |  |                                                |  | PLAN No                               | 210-030-330 | REVISION                       | D | A1 |  |



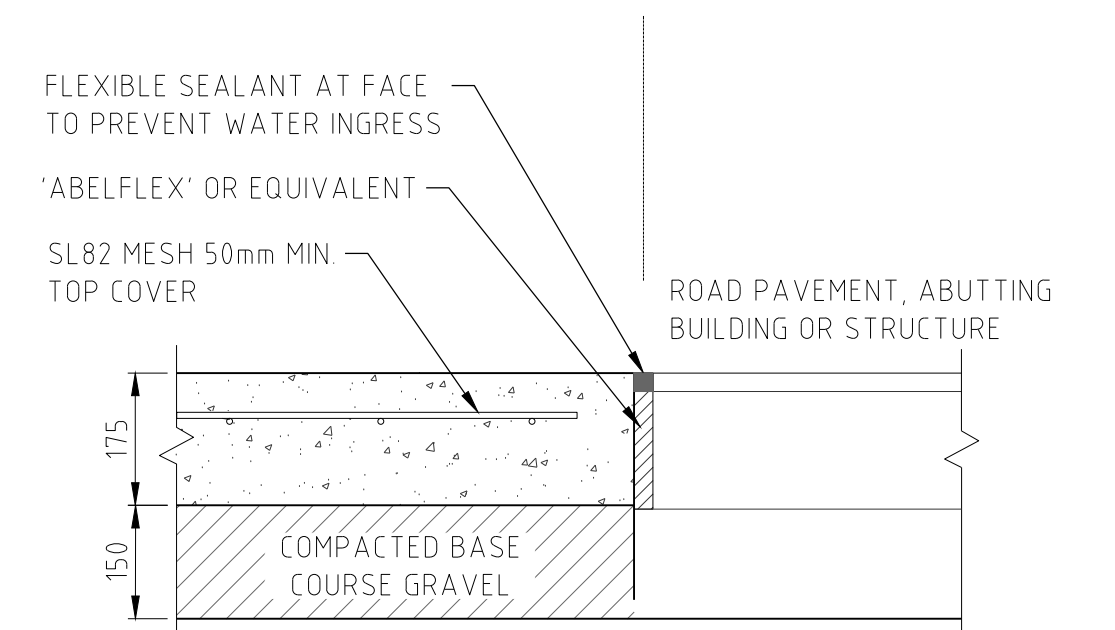
CONCRETE PAVEMENT DETAIL  
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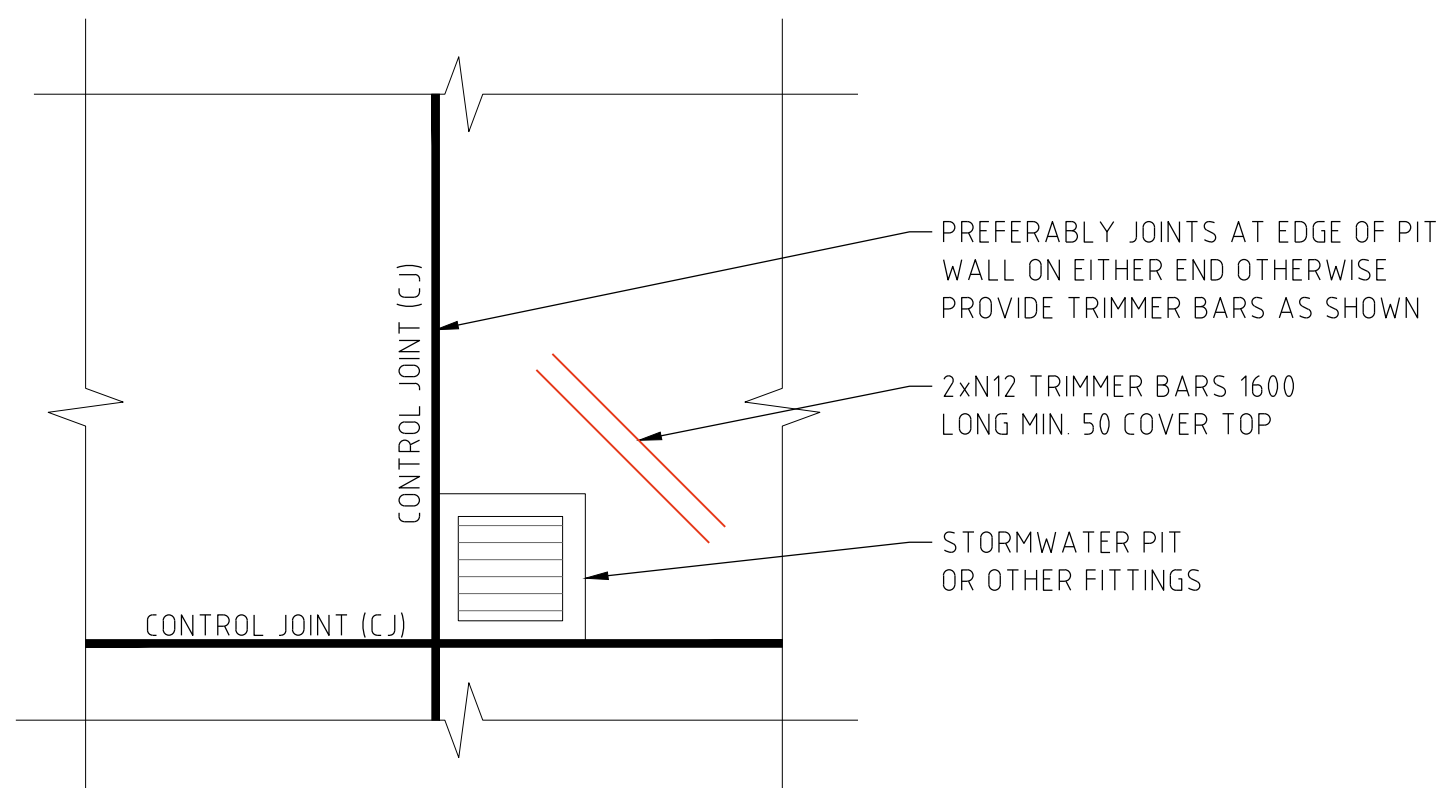
CONTROL JOINT (CJ)  
SCALE 1:10



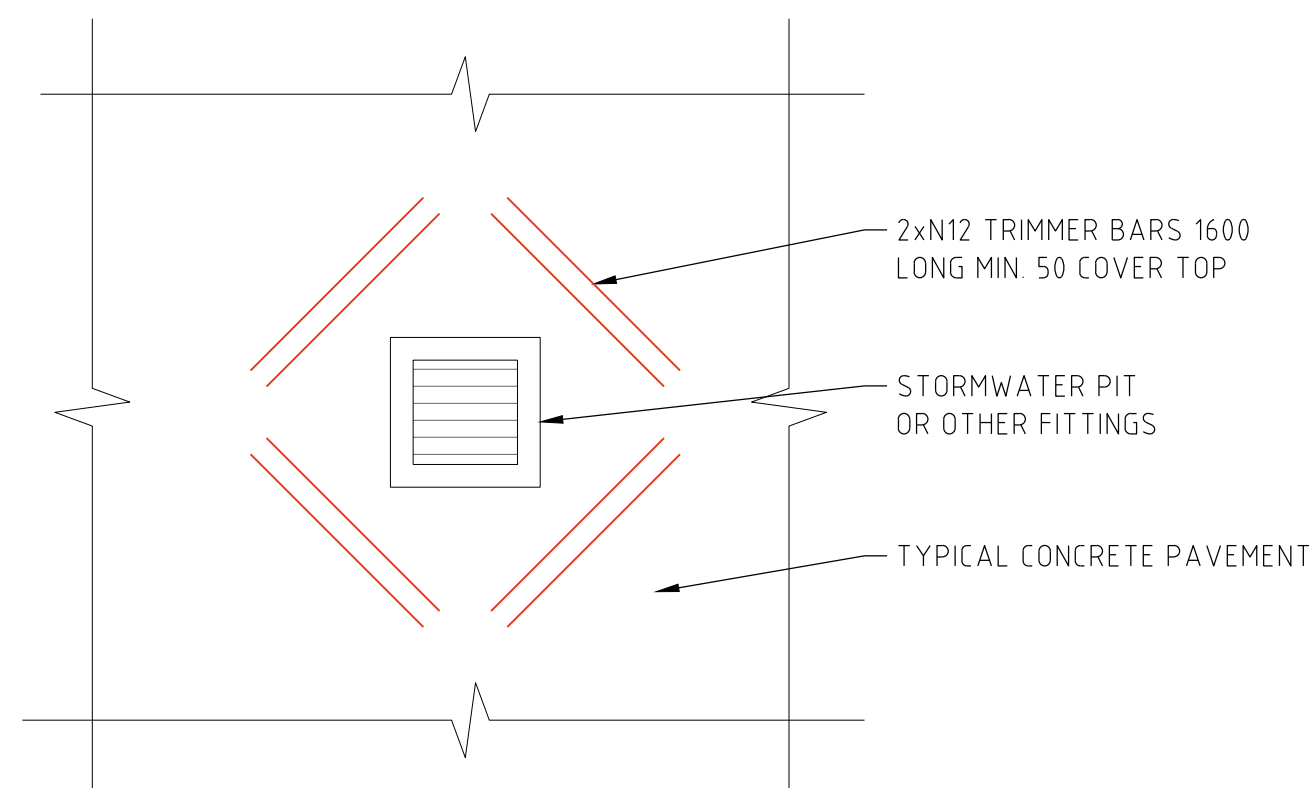
DOWELLED EXPANSION JOINT DETAIL (DEJ)  
SCALE 1:10



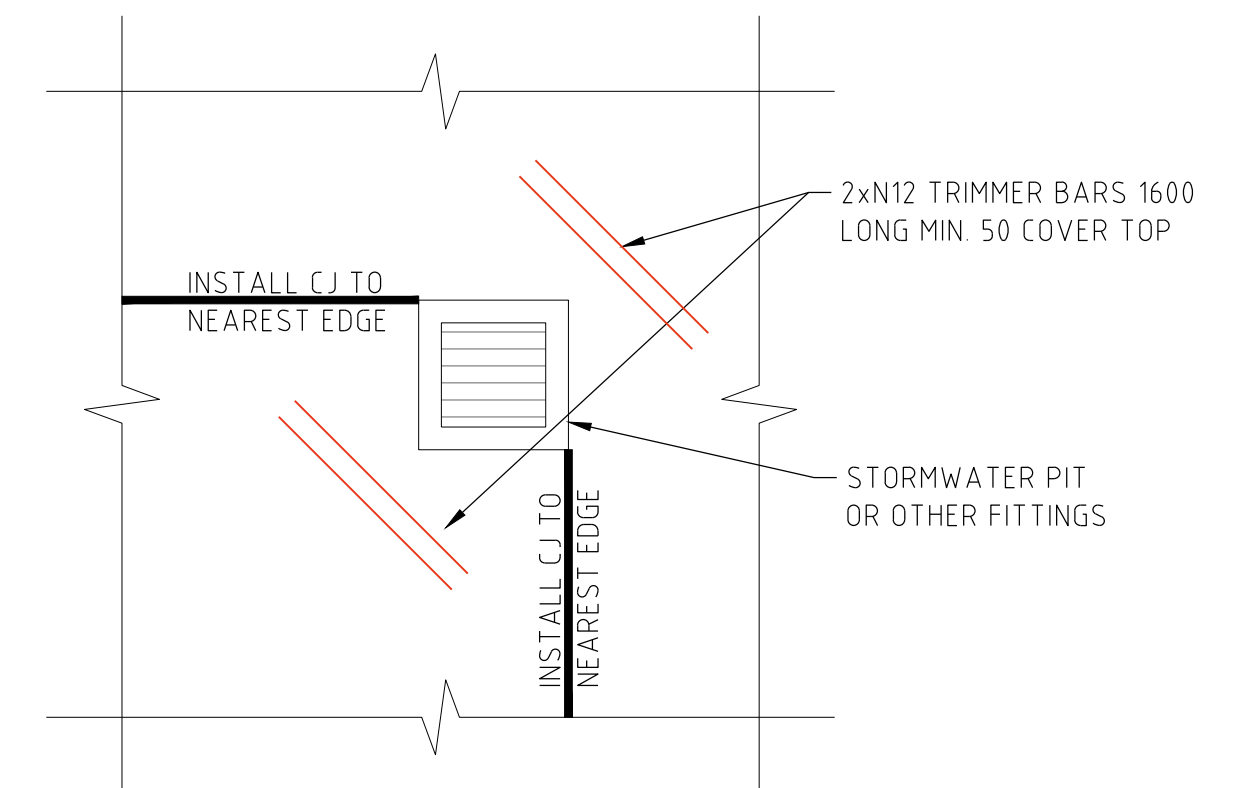
TYPICAL ISOLATION JOINT DETAIL (IJ)  
SCALE 1:10



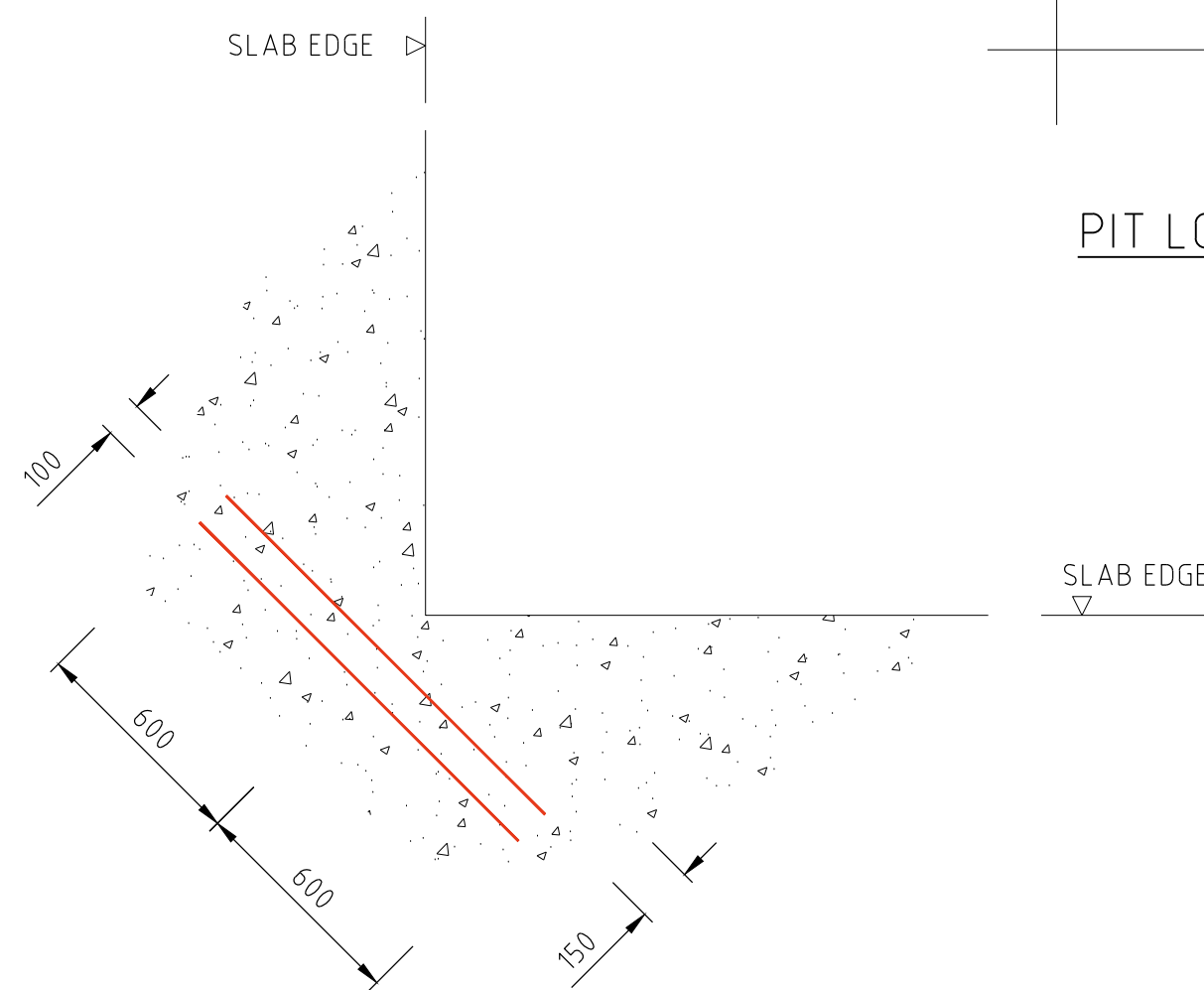
PIT LOCATED AT SLAB JOINTS  
SCALE 1:50



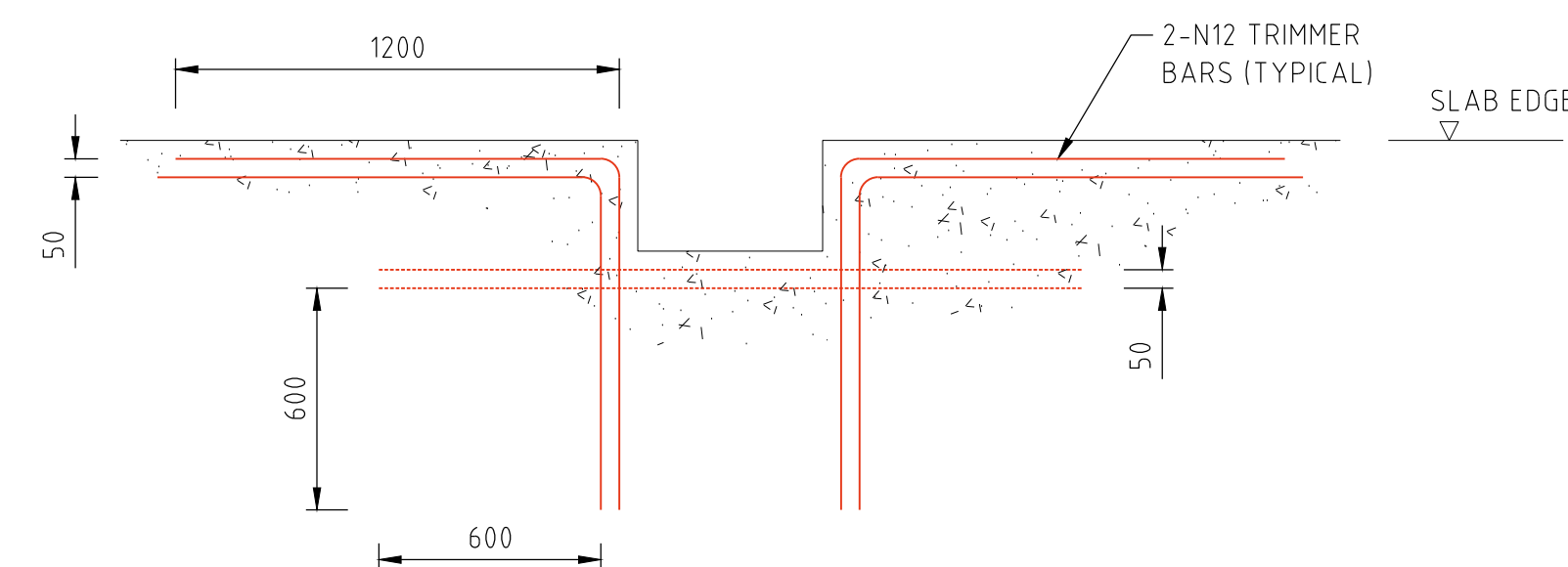
PIT LOCATED AT SLAB JOINTS  
SCALE 1:50



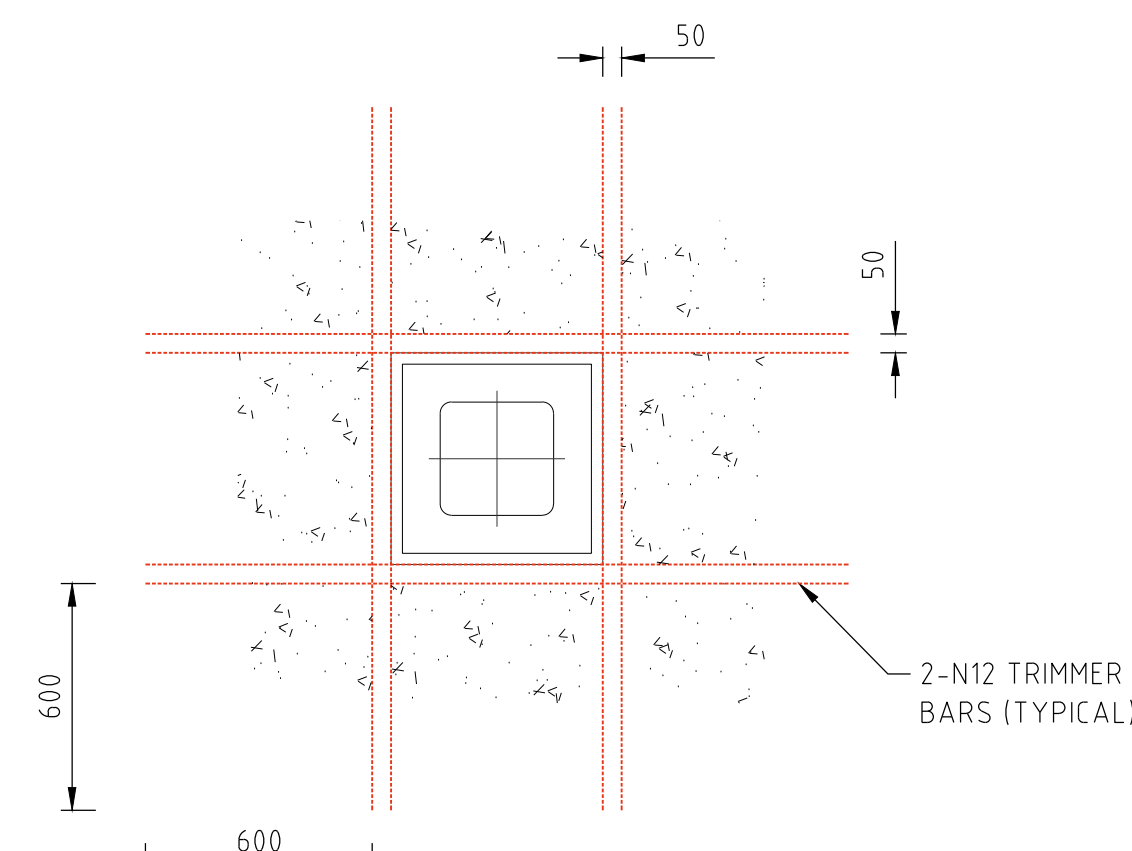
PIT LOCATED NEAR SLAB JOINTS  
SCALE 1:50



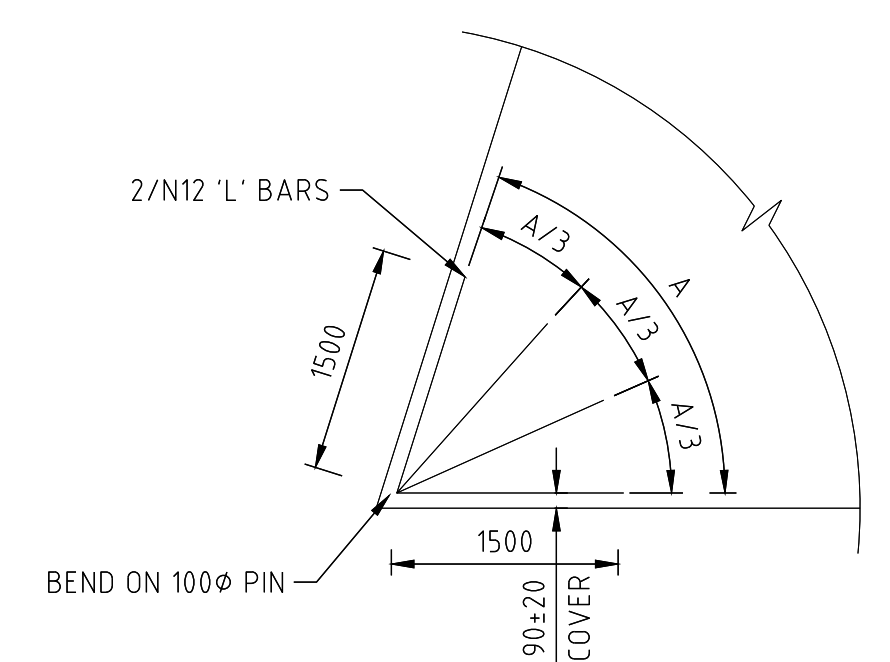
RE-ENTRAN CORNER - INTERNAL  
SCALE 1:20



EDGE PENETRATION  
SCALE 1:20



COLUMN  
SCALE 1:20



CORNER REINFORCEMENT IN SLABS  
SCALE 1:50

NOTE  
BARS TO BE TIED TO  
UNDERSIDE OF TOP MESH

## CONCRETE NOTES

### 1. CONCRETE MIX

THE CONCRETE SHALL HAVE A MINIMUM 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF 32MPa(MIN), MAXIMUM WATER/CEMENT RATIO OF 0.45 AND A MINIMUM CEMENT CONTENT OF 300kg/m<sup>3</sup>

### 2. SLUMP

CONCRETE SLUMP TEST TO BE COMPLETED & SHALL NOT BE LESS THAN 75mm & NOT MORE THAN 100mm

### 4. AGGREGATE

MAX AGGREGATE SIZE TO BE 20mm.

### 4. SUBGRADE PREPARATION

THE SUBGRADE TO THE EXPOSED AGGREGATE CONCRETE PAVEMENT AREAS SHALL BE PREPARED THE SAME AS CONVENTIONAL ROADS.

### 5. TRAFFIC

TRAFFIC SHALL NOT BE ALLOWED ON THE FINISHED CONCRETE PAVEMENT FOR AT LEAST 14 DAYS AFTER COMPLETION OF CONSTRUCTION.

### 6. JOINTS

ALL CONTROL JOINTS AND KEY JOINTS SHALL BE LOCATED GENERALLY PERPENDICULAR TO CENTRELINE. ALL CONTROL JOINTS TO BE COMPLETED AS SOON AS CONCRETE HAS CURED SUFFICIENTLY SO AS NOT TO DAMAGE THE SLAB SURFACE.

### 7. REINFORCING

- ALL CONCRETE WORKS & REINFORCEMENT TO BE IN ACCORDANCE WITH AS3600.
- COVER TO ALL REINFORCEMENT IN ACCORDANCE WITH AS3600
- PROVIDE BAR CHAIRS FOR ALL REINFORCING

### 8. GENERAL

INDUSTRIAL DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARD DRAWING IPWEAQ RS-051. THE GRAVEL PAVEMENT SHALL BE NEATLY PROFILED AND TRIMMED TO ENSURE CONSTANT CONCRETE DEPTHS AND PROFILES. ACTUAL CONSTRUCTION REQUIREMENTS MAY VARY FROM THE DETAILS SHOWN AND THEREFORE ALL CONSTRUCTION DETAILS SHOULD BE VERIFIED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION COMMENCING. PROVIDE ABELFLEX BETWEEN KERB AND DRIVEWAY REINFORCEMENT TO HAVE MINIMUM COVER OF 50mm UNLESS NOTED OTHERWISE. PAVEMENT & CONCRETE DESIGN TO BE DETERMINED BY CBR VALUES AND SHALL BE IN ACCORDANCE WITH LOCAL AUTHORITY STANDARDS. CONSTRUCTION JOINTS, WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER. CONCRETE TESTING TO BE IN ACCORDANCE WITH AS3600.

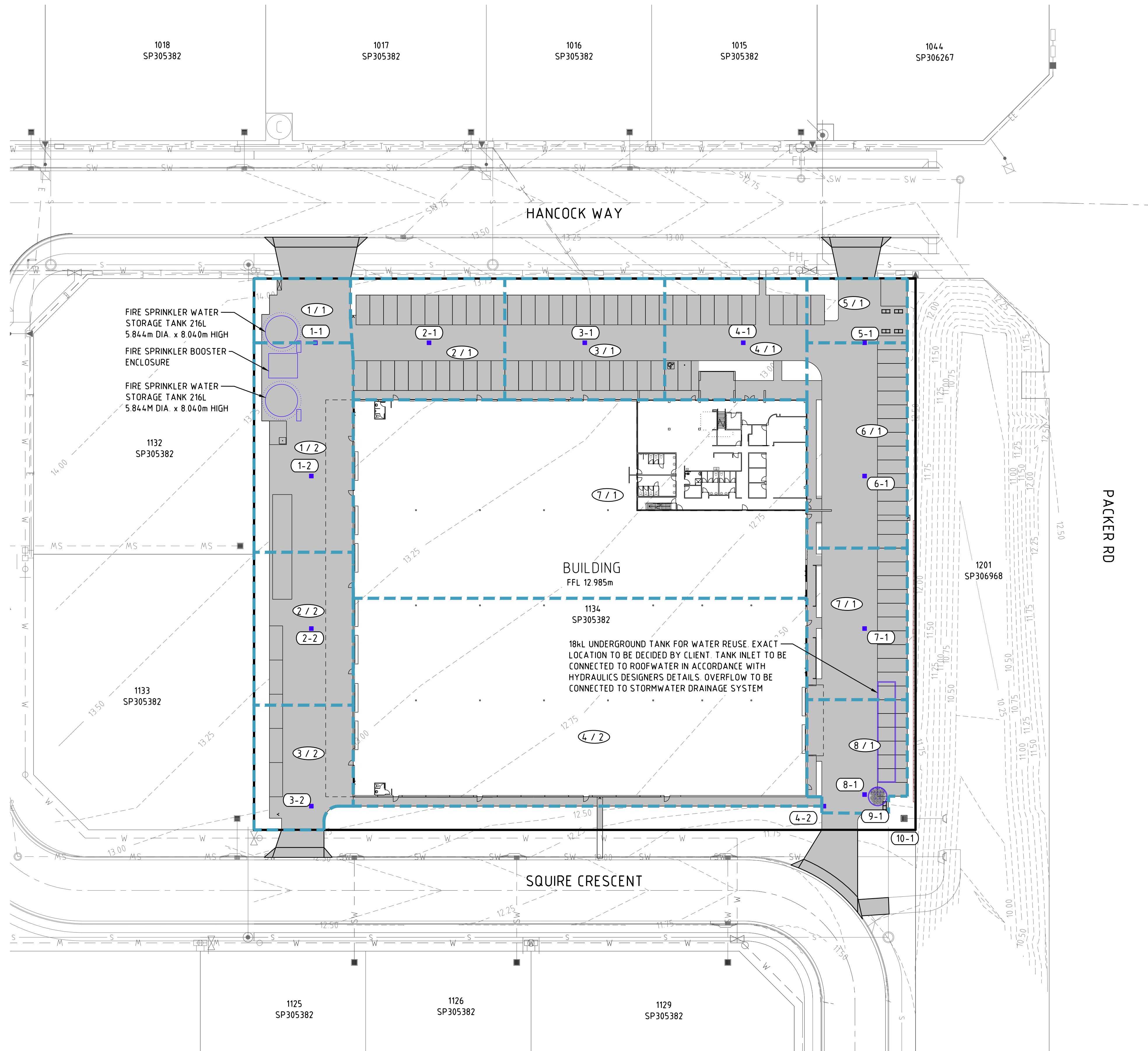
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|  |  |  |  | <div>SCALE: 0 0.1 0.2 0.3 0.4 0.5m<br/>Scale 1:10 - A1 (1:20 - A3)</div> |  |  |  | <div>SURVEYED:</div> |  |  |  | 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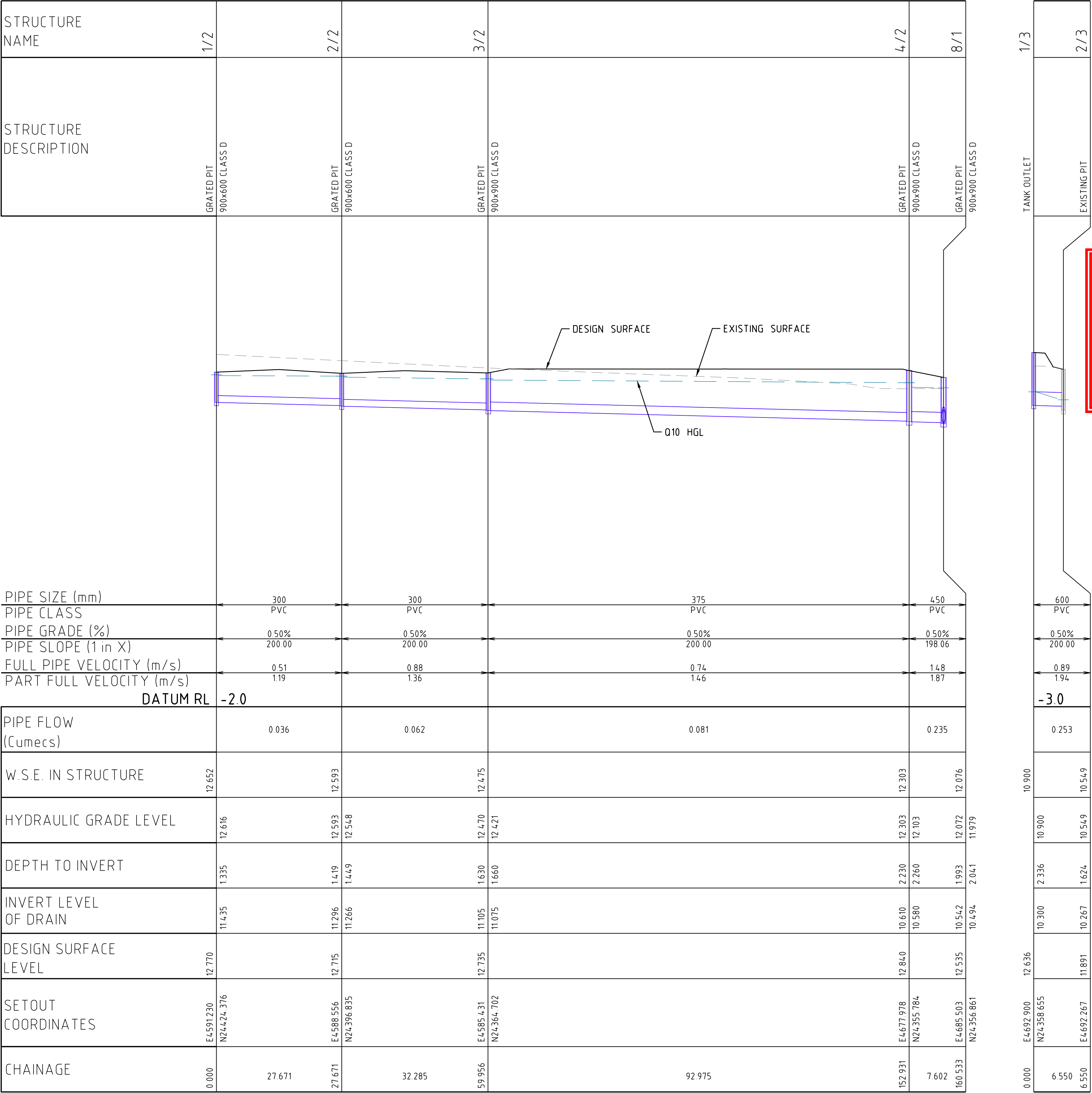
CATCHMENT TABLE

| CATCHMENT | AREA ( ha ) |
|-----------|-------------|
| 1 - 1     | 0.020       |
| 2 - 1     | 0.061       |
| 3 - 1     | 0.064       |
| 4 - 1     | 0.057       |
| 5 - 1     | 0.021       |
| 6 - 1     | 0.068       |
| 7 - 1     | 0.346       |
| 8 - 1     | 0.036       |
| 1 - 2     | 0.068       |
| 2 - 2     | 0.050       |
| 3 - 2     | 0.039       |
| 4 - 2     | 0.311       |

LEGEND:

- ADJACENT BOUNDARY
- EXISTING EASEMENT
- EXISTING FENCE
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- EXISTING BUILDING
- EXISTING KERB & CHANNEL
- EXISTING UNDERGROUND ELECTRICITY
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING WATER
- EXISTING TELSTRA
- EXISTING VEGETATION
- EXISTING WATER METER
- EXISTING WATER FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING STORMWATER PIT
- EXISTING SEWER MANHOLE
- EXISTING TREE
- PROPOSED BOUNDARY
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED CATCHMENT
- PROPOSED STORMWATER PIT

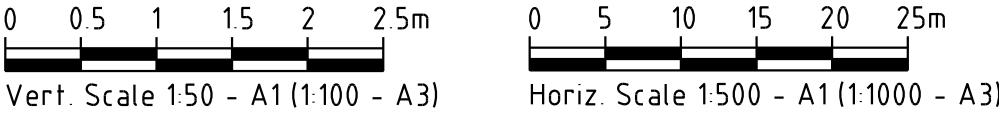
[illegible]



PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2024/1534  
Date: 21 November 2024

Queensland  
Government



|     |          |                                           |    |        |                                                                                                                                               |     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                |                                                                                                                                                                                                                                                              |  |  |                                |         |                                               |          |        |    |  |
|-----|----------|-------------------------------------------|----|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------|---------|-----------------------------------------------|----------|--------|----|--|
|     |          |                                           |    | SCALE: |                                                                                                                                               |     | SURVEYED: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                | <div><div><b>BAX</b><br/><i>Engineering</i></div><div>PTY. LTD.</div><div>2261 DAVID LOW WAY, PEREGIAN BEACH, QLD 4573</div><div>INFO@BAXENGINEERING.COM.AU</div></div> |  |  | CLIENT:                        |         | NORTH POINT                                   |          | TITLE: |    |  |
| D   | 11.10.24 | GPT ADDED, SOUTHERN DRIVEWAY ADJUSTED     | QT | GWA    | <div>PROJECT NO:<br/>210-030</div> <div>DATE<br/>07.07.24</div> <div>CHECKED<br/>GWA</div> <div>DRAWN<br/>TN</div> <div>DESIGNED<br/>HL</div> |     |           | <div>DATUM: AHD</div> <div>APPROVED:</div> <div><div>GLENN AINSWORTH<br/>CPESC No: 7678<br/>RPEQ No: 19204</div><div><div>REGISTERED SIGN</div><div><div>2261 DAVID LOW WAY, PEREGIAN BEACH, QLD 4573</div><div>INFO@BAXENGINEERING.COM.AU</div></div></div></div> |                                                |                                                                                                                                                                                                                                                              |  |  | KARLOO                         |         | DRAINAGE LONGITUDINAL SECTION<br>SHEET 2 OF 2 |          |        |    |  |
| C   | 07.07.24 | SWEPT PATHS AMENDED, U/G REUSE TANK ADDED | QT | GWA    |                                                                                                                                               |     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                |                                                                                                                                                                                                                                                              |  |  | PROJECT:                       |         |                                               |          |        |    |  |
| B   | 14.05.24 | STORMWATER MANAGEMENT REVISED             | QT | GWA    |                                                                                                                                               |     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                |                                                                                                                                                                                                                                                              |  |  | LOT 1134 AURA BARINGA QLD 4551 |         |                                               |          |        |    |  |
| A   | 03.04.24 | ISSUE FOR APPROVAL                        | HL | GWA    | LOCAL AUTHORITY APPROVAL NO:                                                                                                                  |     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                |                                                                                                                                                                                                                                                              |  |  |                                |         |                                               |          |        |    |  |
| No. | DATE     | REVISIONS                                 |    | BY     | CKD                                                                                                                                           | --- |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FOR AND ON BEHALF OF BAX ENGINEERING PTY. LTD. |                                                                                                                                                                                                                                                              |  |  |                                | PLAN No | 210-030-402                                   | REVISION | D      | A1 |  |





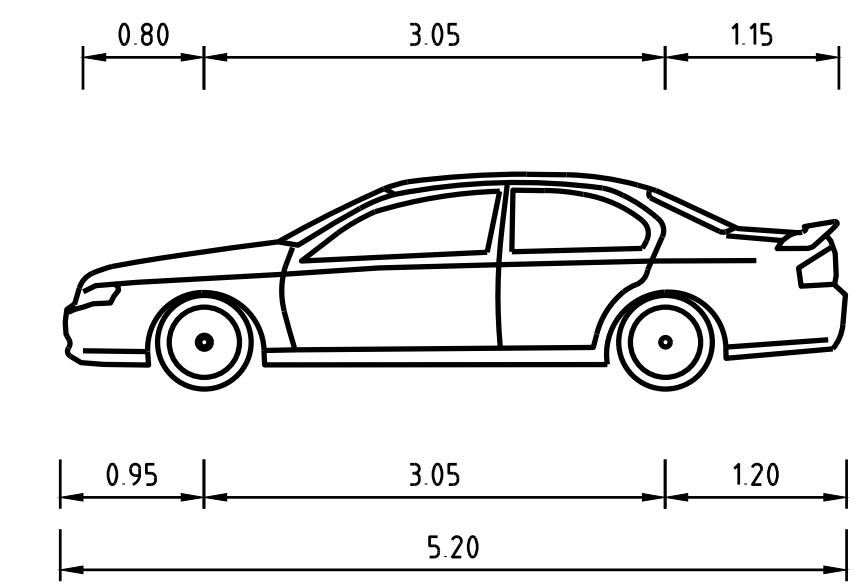


|                             |        |
|-----------------------------|--------|
| OVERALL LENGTH              | 5 200m |
| OVERALL WIDTH               | 1940m  |
| OVERALL BODY HEIGHT         | 1878m  |
| MIN BODY GROUND CLEARANCE   | 0 120m |
| TRACK WIDTH                 | 1840m  |
| LOCK-TO-LOCK TIME           | 4 00s  |
| KERB TO KERB TURNING RADIUS | 6 250m |

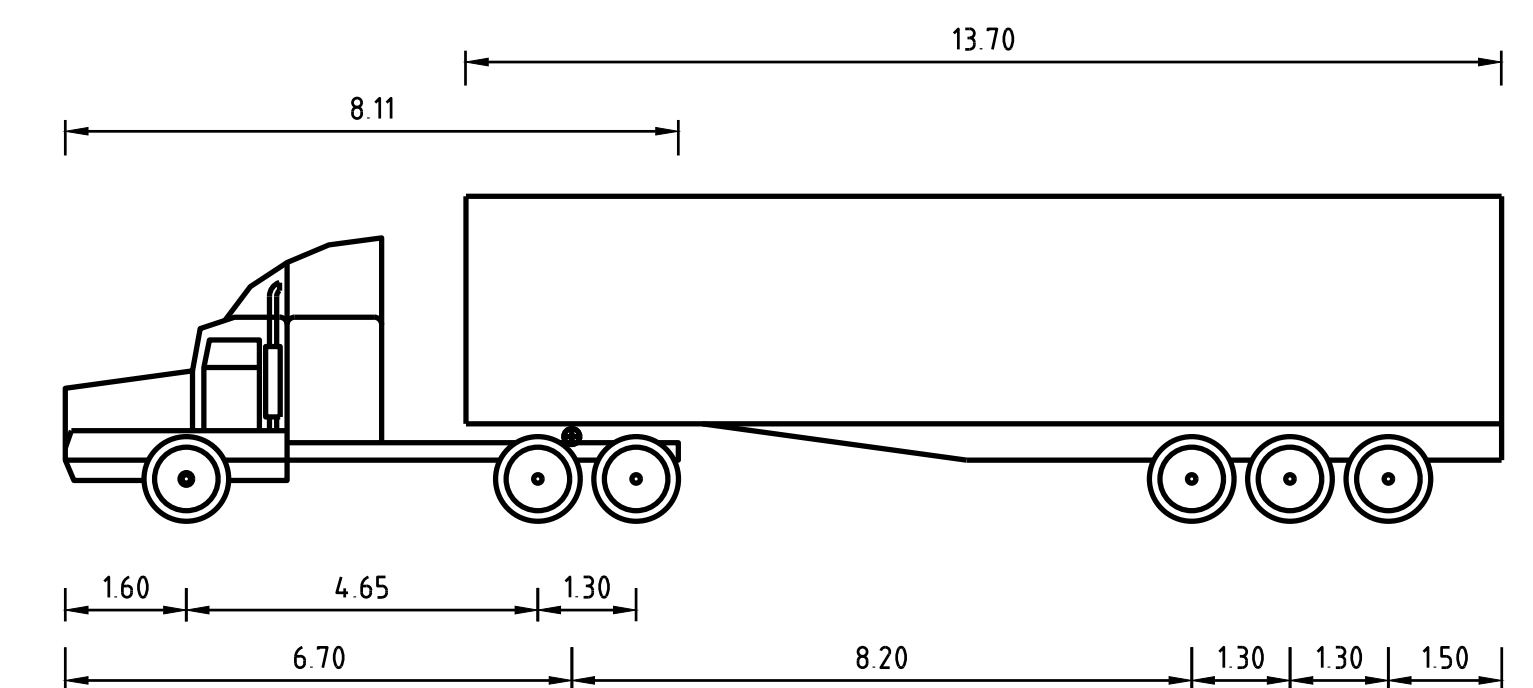
LEGEND:

-  VEHICLE BODY ENVELOPE  
 WHEEL PATH  
 0.3m OVERHANG

[illegible]



|                             |        |
|-----------------------------|--------|
| OVERALL LENGTH              | 5.200m |
| OVERALL WIDTH               | 1.940m |
| OVERALL BODY HEIGHT         | 1.878m |
| MIN BODY GROUND CLEARANCE   | 0.120m |
| TRACK WIDTH                 | 1.840m |
| LOCK-TO-LOCK TIME           | 4.00s  |
| KERB TO KERB TURNING RADIUS | 6.250m |



|                             |         |
|-----------------------------|---------|
| OVERALL LENGTH              | 19 000m |
| OVERALL WIDTH               | 2 500m  |
| OVERALL BODY HEIGHT         | 4 300m  |
| MIN BODY GROUND CLEARANCE   | 0 54 0m |
| TRACK WIDTH                 | 2 500m  |
| LOCK-TO-LOCK TIME           | 6 00s   |
| KERB TO KERB TURNING RADIUS | 15 000m |

 VEHICLE BODY ENVELOPE  
 WHEEL PATH  
 0.3m OVERHANG

Approval no: DEV2024/1534  
Date: 21 November 2024



|     |          |                                           |           |        |                              |           |                                                     |  |  |                                                |                                         |                                       |         |             |          |   |    |
|-----|----------|-------------------------------------------|-----------|--------|------------------------------|-----------|-----------------------------------------------------|--|--|------------------------------------------------|-----------------------------------------|---------------------------------------|---------|-------------|----------|---|----|
|     |          |                                           |           | SCALE: |                              | SURVEYED: |                                                     |  |  | CLIENT: KARLOO                                 |                                         | Date: 21 November 2024                |         |             |          |   |    |
| D   | 11.10.24 | GPT ADDED, SOUTHERN DRIVEWAY ADJUSTED     | QT        | GWA    | PROJECT NO: 210-030          |           | DATE: 07.07.24                                      |  |  | NORTH POINT                                    |                                         | TITLE: SWEPT PATH PLAN - SHEET 3 OF 4 |         |             |          |   |    |
| C   | 07.07.24 | SWEPT PATHS AMENDED, U/G REUSE TANK ADDED | QT        | GWA    | CHECKED: GWA                 |           | DATUM: AHD                                          |  |  |                                                |                                         |                                       |         |             |          |   |    |
| B   | 14.05.24 | STORMWATER MANAGEMENT REVISED             | QT        | GWA    | APPROVED:                    |           | GLENN AINSWORTH<br>CPESC No: 1678<br>RPEQ No: 19204 |  |  |                                                |                                         |                                       |         |             |          |   |    |
| A   | 03.04.24 | ISSUE FOR APPROVAL                        | HL        | GWA    | LOCAL AUTHORITY APPROVAL NO: |           | DRAWN: TN<br>DESIGNED: HL                           |  |  | FOR AND ON BEHALF OF BAX ENGINEERING PTY. LTD. |                                         |                                       |         |             |          |   |    |
| NO. |          | DATE                                      | REVISIONS |        | BY                           | CKD       | ---                                                 |  |  |                                                | PROJECT: LOT 1134 AURA BARINGA QLD 4551 |                                       | PLAN No | 210-030-802 | REVISION | D | A1 |



|                             |        |
|-----------------------------|--------|
| OVERALL LENGTH              | 5 200m |
| OVERALL WIDTH               | 1 940m |
| OVERALL BODY HEIGHT         | 1 878m |
| MIN BODY GROUND CLEARANCE   | 0 120m |
| TRACK WIDTH                 | 1 840m |
| LOCK-TO-LOCK TIME           | 4 00s  |
| KERB TO KERB TURNING RADIUS | 6 250m |

 VEHICLE BODY ENVELOPE  
 WHEEL PATH  
 0.3m OVERHANG

|     |          |                                           |  |    |     |                                                                                                                                                      |  |           |          |                                                                                                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                |  |                                              |  |          |   |    |
|-----|----------|-------------------------------------------|--|----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|--|----------------------------------------------|--|----------|---|----|
|     |          |                                           |  |    |     | SCALE:<br><div><div><div></div><div></div><div></div><div></div><div></div></div><div>048121620m</div><div>Scale 1:400 - A1 (1:800 - A3)</div></div> |  | SURVEYED: |          | <div><div><div><div></div><div></div></div><div><div>BAX</div><div>Engineering</div><div>PTY. LTD.</div></div><div>2261 DAVID LOW WAY, PEEBING BEACH, QLD 4573</div><div>INFO@BAXENGINEERING.COM.AU</div></div></div> |  |  |  | CLIENT:<br><br>KARLOO                                                                                                                                                                                                                                                                                                                                                                                     |  | NORTH POINT<br><div><div></div></div>          |  | TITLE:<br><br>SWEPT PATH PLAN - SHEET 4 OF 4 |  |          |   |    |
| C   | 11.10.24 | GPT ADDED, SOUTHERN DRIVEWAY ADJUSTED     |  | QT | GWA | PROJECT NO:<br>210-030                                                                                                                               |  | DATE      | 07.07.24 |                                                                                                                                                                                                                       |  |  |  | APPROVED:<br><div><div></div><div>GLENN AINSWORTH</div><div>CPESC No: 7878</div><div>RPEQ No: 19204</div><div>FOR AND ON BEHALF OF BAX ENGINEERING PTY. LTD.</div></div> <div><div><div>ISO 9001</div><div>QUALITY</div><div>MANAGEMENT</div><div>SYSTEMS</div></div><div><div>REGISTERED</div><div>COMPANY</div></div></div> <div><div>Watermark's Accreditation</div><div>and Certification</div></div> |  | PROJECT:<br><br>LOT 1134 AURA BARINGA QLD 4551 |  | PLAN No<br>210-030-803                       |  | REVISION | D | A1 |
| D   | 07.07.24 | SWEPT PATHS AMENDED, U/G REUSE TANK ADDED |  | QT | GWA |                                                                                                                                                      |  | CHECKED   | GWA      |                                                                                                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                |  |                                              |  |          |   |    |
| B   | 14.05.24 | STORMWATER MANAGEMENT REVISED             |  | QT | GWA |                                                                                                                                                      |  | DRAWN     | TN       |                                                                                                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                |  |                                              |  |          |   |    |
| A   | 03.04.24 | ISSUE FOR APPROVAL                        |  | HL | GWA | LOCAL AUTHORITY APPROVAL NO:<br>---                                                                                                                  |  | DESIGNED  | HL       |                                                                                                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                |  |                                              |  |          |   |    |
| No. | DATE     | REVISIONS                                 |  | BY | CKD |                                                                                                                                                      |  |           |          |                                                                                                                                                                                                                       |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                |  |                                              |  |          |   |    |