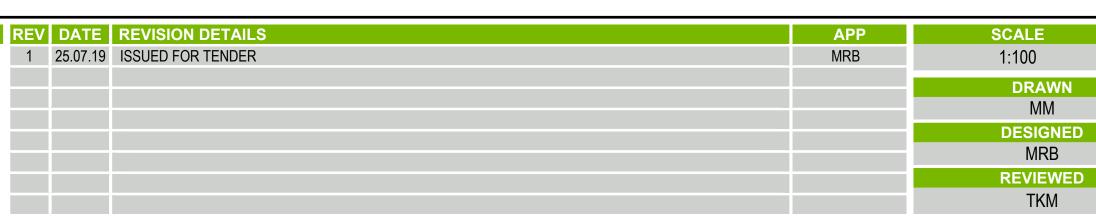
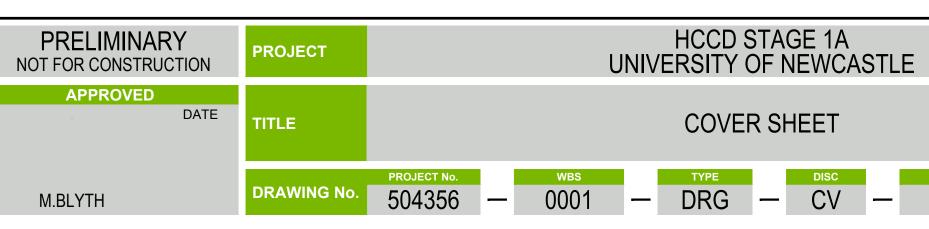
## HCCD STAGE 1 A UNIVERSITY OF NEWCASTLE

DRAWING INDEX	
DRG No.	DRAWING NAME
CV0001	COVER SHEET
CV0002	SITE PLAN
CV0003	STORMWATER PLAN
CV0004	PAVEMENT PLAN
CV0005	CIVIL DETAILS - SHEET 1
CV0006	CIVIL DETAILS - SHEET 2
CV0007	CIVIL DETAILS - SHEET 3

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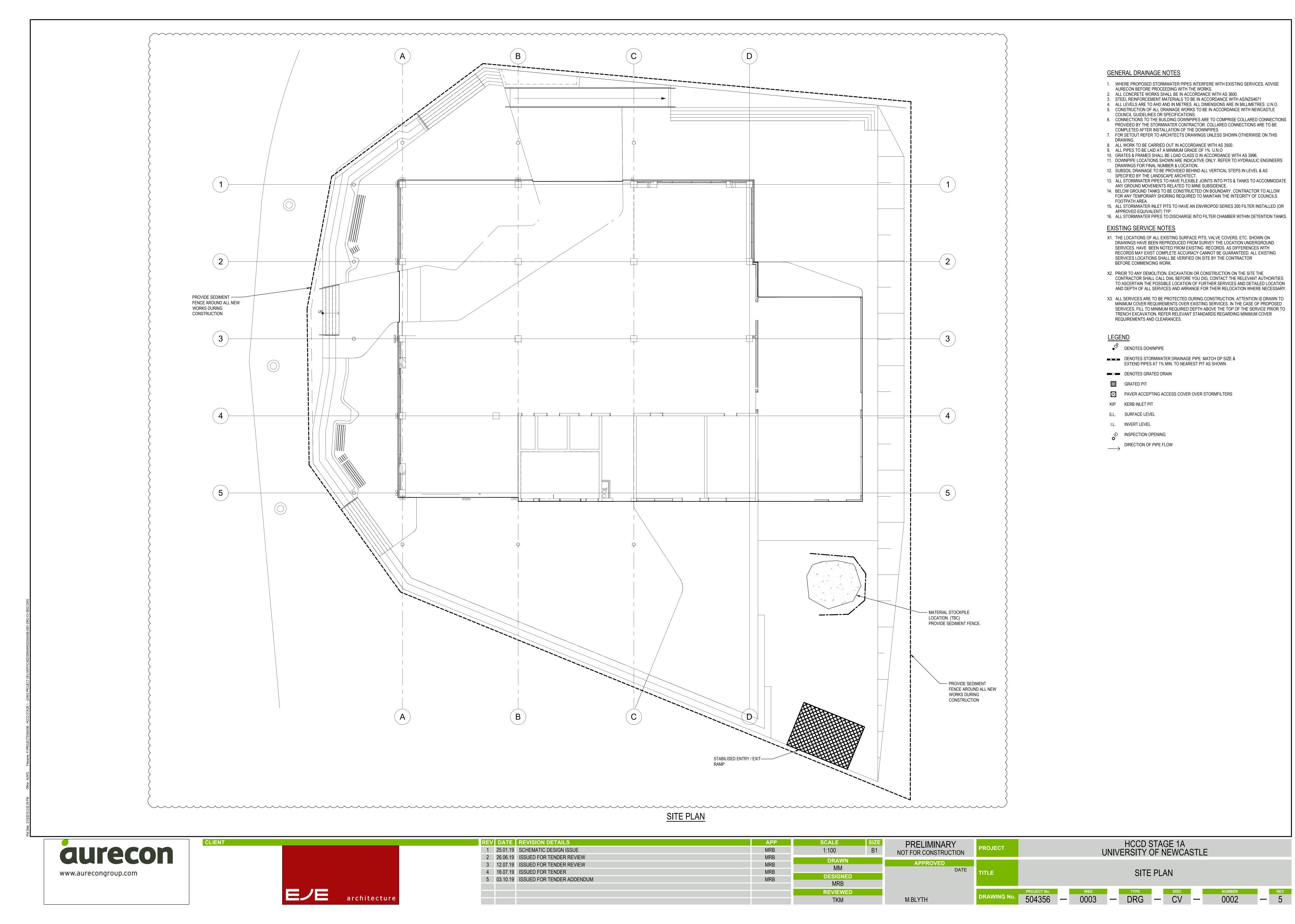


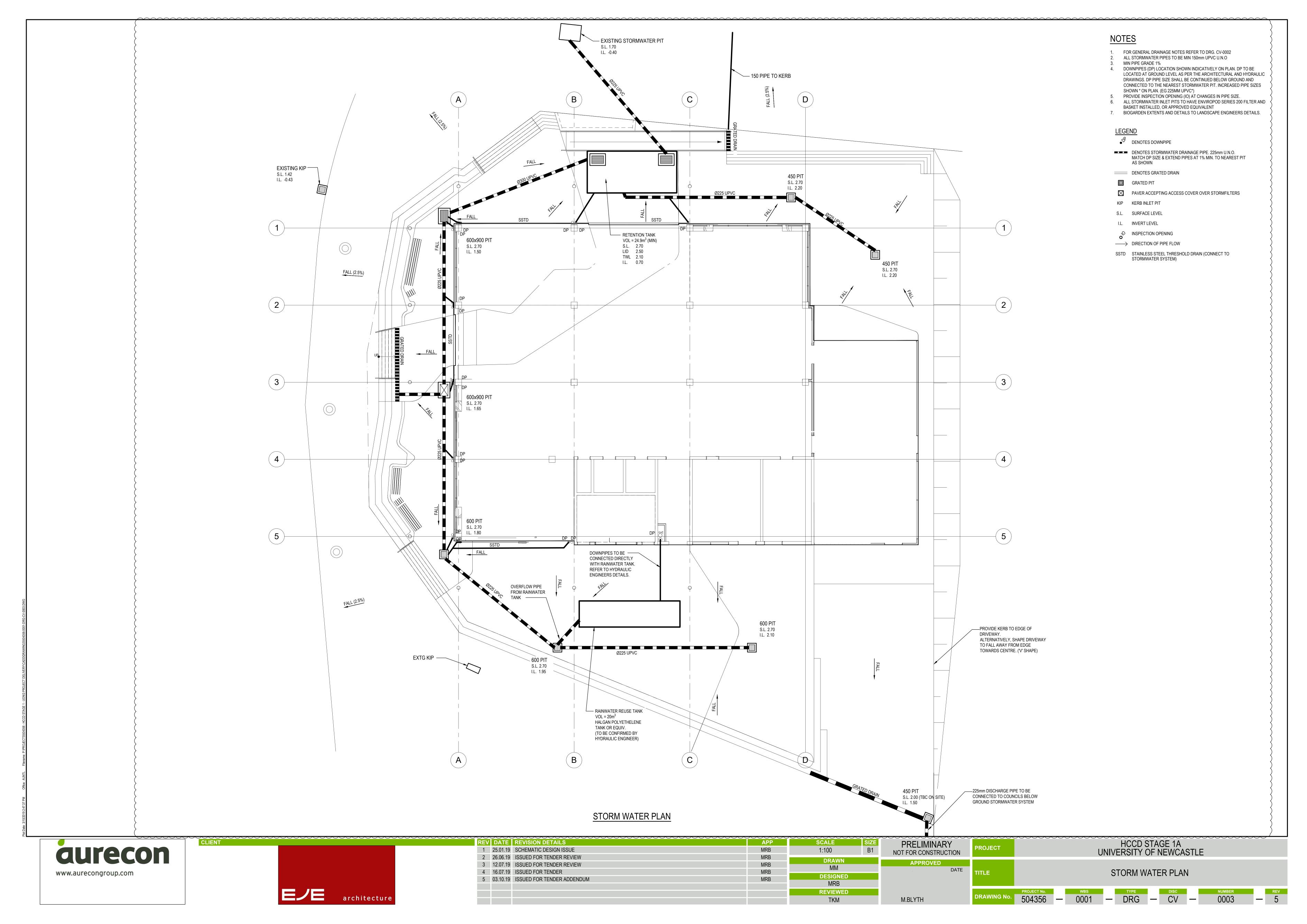
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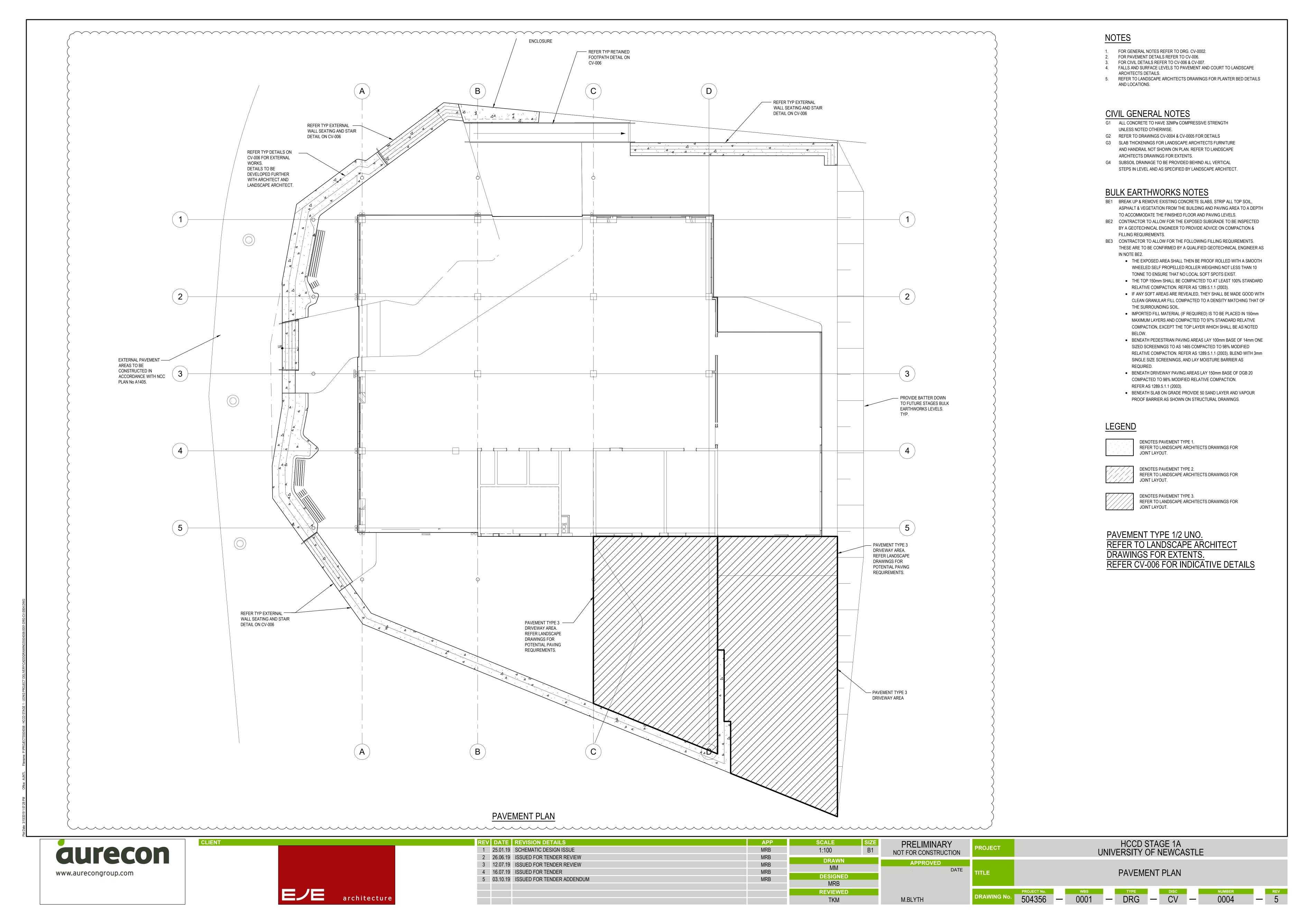
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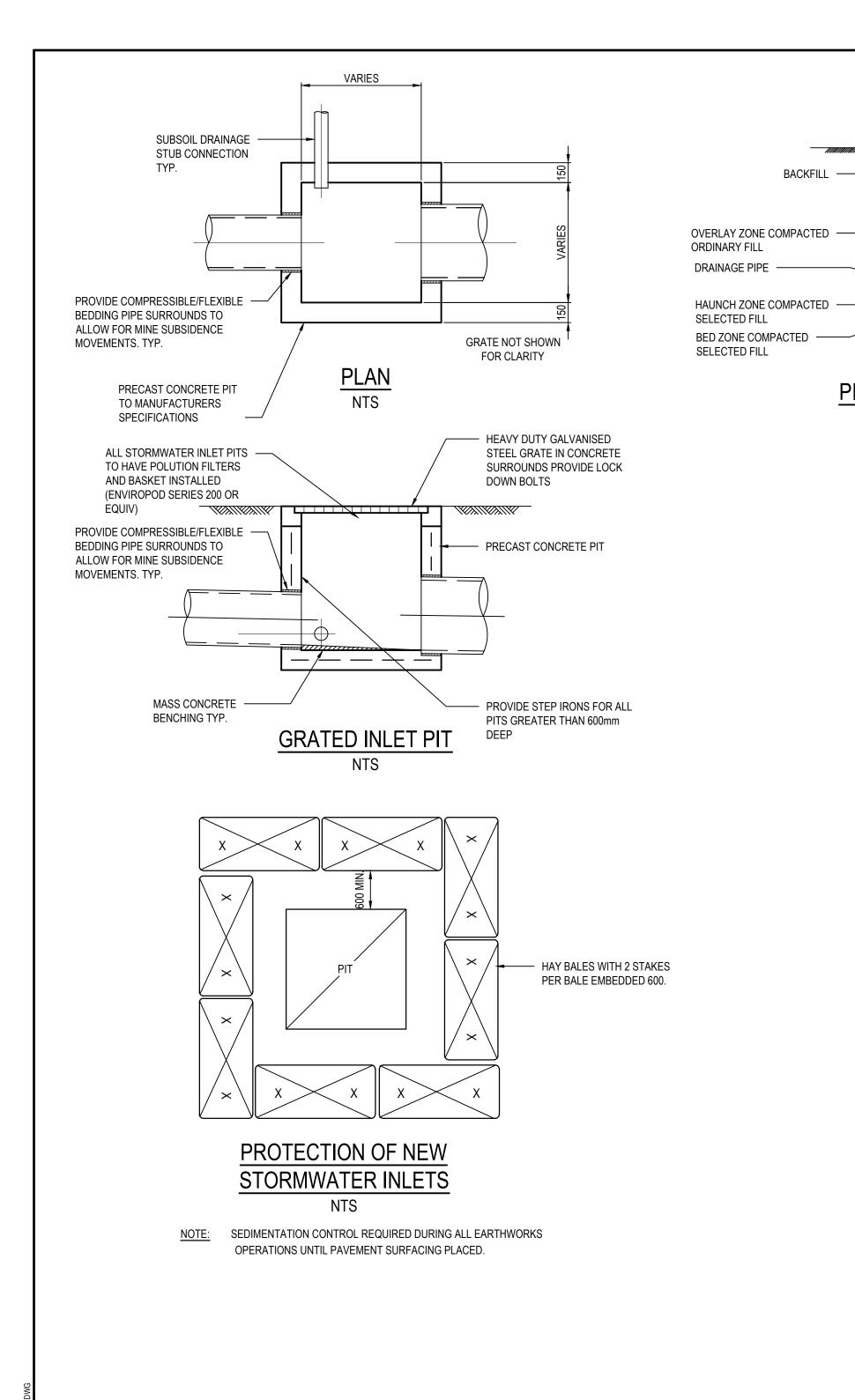
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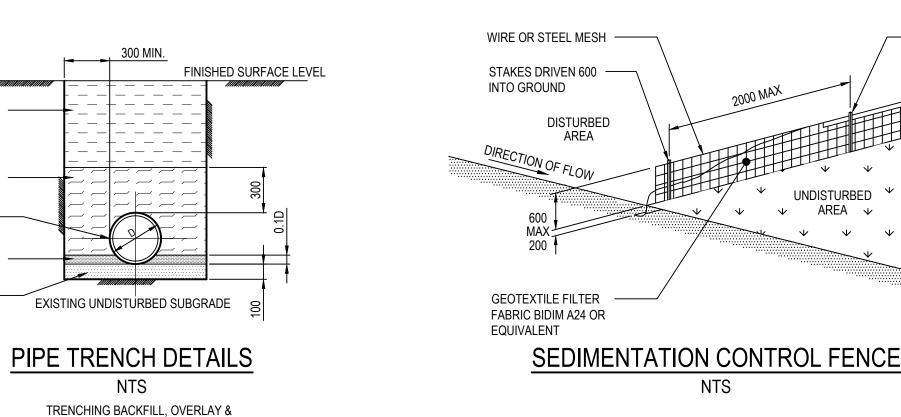
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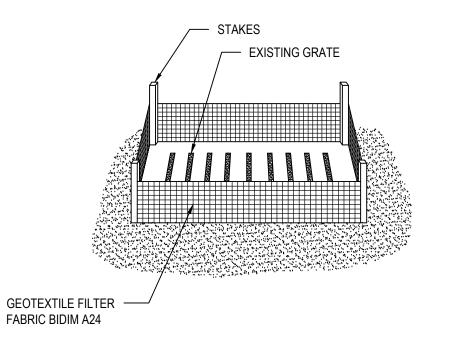




BEDDING MATERIAL AND COMPACTION

SHALL BE AS SPECIFIED IN

AS3500.3-2003 SECTION 7.3.6



PROTECTION OF EXISTING STORMWATER INLETS NTS

## Construction site Runoff directed to sediment trap/fence DGB 20 roadbase or /X////// Existing roadway Geotextile fabric designed to prevent intermixing of subgrade and base materials and to maintain good properties of the sub-base layers. Geofabric may be a woven or needle—punched product with a minimum CBR burst strength (AS3706.4—90) of 2500 N **Construction Notes** 1. Strip the topsoil, level the site and compact the subgrade. 2. Cover the area with needle-punched geotextile. 3. Construct a 200-mm thick pad over the geotextile using road base or 30-mm aggregate. 4. Ensure the structure is at least 15 metres long or to building alignment and at least 3 metres 5. Where a sediment fence joins onto the stabilised access, construct a hump in the stabilised access to divert water to the sediment fence STABILISED SITE ACCESS SD 6-14 6-48

- STEEL STAKES

OR SIMILAR

UNDISTURBED AREA ↓

## NOTES

- FOR GENERAL NOTES REFER TO DRG. CV-0002. FOR PAVEMENT DETAILS REFER TO CV-006.
- FOR CIVIL DETAILS REFER TO CV-006 & CV-007.

## **SEDIMENT CONTROL PLAN**

- 1. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES RELATING TO A PARTICULAR CATCHMENT PRIOR TO STRIPPING OF TOPSOIL FROM THAT CATCHMENT. WHERE IT IS NECESSARY TO UNDERTAKE STRIPPING IN ORDER TO CONSTRUCT A SEDIMENT CONTROL DEVISE ONLY SUFFICIENT GROUND SHALL BE STRIPPED TO ALLOW CONSTRUCTION.
- 2. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED AS INDICATED ON THESE DRAWINGS AND NOMINATED IN COUNCIL'S SPECIFICATION AS DIRECTED BY THE ENGINEER. LOCATION AND EXTENT OF SOIL AND WATER MANAGEMENT DEVICES IS DIAGRAMMATIC ONLY AND THE ACTUAL REQUIREMENTS SHALL BE RECONFIRMED ON SITE PRIOR TO COMMENCEMENT.
- 3. CONFORMITY WITH THIS PLAN SHALL IN NO WAY REDUCE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AGAINST EROSION AND SEDIMENTATION DUE TO WATER AND WIND DAMAGE DURING THE COURSE OF THE CONTRACT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ANY NECESSARY CONTROL IS IN PLACE EVEN THOUGH SUCH CONTROL MAY NOT BE SHOWN ON THE PLAN.
- 4. THE CONTRACTOR SHALL INFORM ALL SUBCONTRACTORS AND ALL EMPLOYEES OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWN STREAM AREAS.
- 5. THE CONTRACTOR SHALL REGULARLY MAINTAIN SEDIMENT AND EROSION CONTROL STRUCTURES AND DESILT SUCH STRUCTURES PRIOR TO THE REDUCTION IN CAPACITY OF 60% DUE TO ACCUMULATED SILT OR AS DIRECTED THE SEDIMENT SHALL BE DISPOSED OF ON THE SITE IN A MANNER APPROVED BY THE ENGINEER.
- 6. TOPSOIL AND SPOIL SHALL BE STOCKPILED IN NON-HAZARDOUS AREAS AND PROTECTED FROM SURFACE RUN-ON AND RUN-OFF BY DIVERSION DRAINS OR SIMILAR. STOCKPILES SHALL BE SURROUNDED ON DOWNSTREAM SIDE BY SILT FENCING. WHERE THE STOCKPILING PERIOD EXCEEDS FOUR (4) WEEKS, THE STOCKPILE SHALL BE SEEDED TO ENCOURAGE VEGETATION GROWTH.
- 7. TOPSOIL SHALL BE RE-SPREAD AND STABILISED AS SOON AS POSSIBLE. DISTURBED AREAS SHALL BE LEFT WITH A SCARIFIED SURFACE TO ENCOURAGE
- WATER INFILTRATION AND ASSIST KEYING IN TOPSOIL. 8. THE CONTRACTOR SHALL TEMPORARILY REHABILITATE WITHIN 20 DAYS ANY DISTURBED AREAS. WHERE FINAL SHIPPING HAS OCCURRED THE CONTRACTOR
- SHALL PROVIDE FINAL REHABILITATION WITHIN 20 DAYS. 9. THE CONTRACTOR SHALL PROVIDE A MULCH STRIP MINIMUM 1.2m WIDE BEHIND ALL KERB AND GUTTER AT COMPLETION OF FOOTPATH FORMATION.
- 10. THE CONTRACTOR SHALL PROVIDE INLET SEDIMENT TRAPS AT ALL PITS DURING CONSTRUCTION AND REPLACE WITH KERB INLET CONTROL AT COMPLETION OF LINTEL CONSTRUCTION. 11. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS QUICKLY
- AS POSSIBLE TO MINIMISE RISK OF EROSION. 12. VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING CONSTRUCTION CONFINING ACCESS WHERE POSSIBLE TO THE PROPOSED OR EXISTING ROAD RESERVES. AREAS TO BE LEFT UNDISTURBED SHALL BE MARKED NO ACCESS
- AND CONTROLLED BY FENCING. 13. SITE ACCESS SHALL BE RESTRICTED TO A NOMINATED POINT. THE CONSTRUCTION OF A SHAKEDOWN AREA MAY BE REQUIRED DEPENDING UPON
- THE SOIL CONDITIONS. DEBRIS ON EXISTING ROAD SHALL BE SWEPT TO THE SATISFACTION OF COUNCIL'S SUPERVISOR. 14. SEDIMENT BASINS SHALL BE IN ACCORDANCE WITH 'MANAGING URBAN STORM
- WATER, SOILS AND CONSTRUCTION' 3rd EDITION, AUGUST 1998, SECTION 6.3. 15. SEDIMENT BASINS SHALL BE MAINTAINED FOR THE ENTIRE DURATION OF THE PROJECT OR UNTIL SUCH TIME AS ALL DISTURBED AREAS ARE REVEGETATED
- TO THE SATISFACTION OF COUNCIL. 16. WHERE FLOCCULATION OF BASINS IS REQUIRED, FLOCCULATION IS TO BE IN
- ACCORDANCE WITH 'MANAGING URBAN STORM WATER, SOILS AND CONSTRUCTION' - 3rd EDITION, AUGUST 1998, APPENDIX E. 17. ANY DAMS TO BE DE-SILTED OF FILLED MATERIAL SHALL BE FLOCCULATED TO
- SETTLE ANY SUSPENDED SOLIDS. ANY NOXIOUS WEED PRESENT SHALL BE ERADICATED IN AN APPROVED MANNER PRIOR TO ANY WORKS COMMENCING. APPROVAL REQUIRED PRIOR TO PUMPING. CLEAR WATER SHALL THEN BE PUMPED OUT IN A MANNER THAT WILL NOT CAUSE DOWNSTREAM EROSION. THE DAM WALL SHALL THEN BE BREACHED AND ANY SILT REMOVED BE PLACED IN A SUITABLE CONSTRUCTED DRYING BASIN. WHEN DRY THE SILT SHALL BE
- REMOVED FROM SITE OR MIXED WITH TOPSOIL FOR FUTURE SPREADING. 18. THE CONTRACTOR SHALL MAINTAIN CONTROL THROUGH THE ENTIRE DURATION OF THE PROJECT.
- 19. THE CONTRACTOR SHALL MAINTAIN A LOG BOOK DETAILING; a. RECORDS OF ALL RAINFALL
- b. CONDITION OF SOIL AND WATER MANAGEMENT STRUCTURES c. ANY APPLICATION OF FLOCCULATING AGENTS TO SEDIMENT BASIN
- d. VOLUMES OF ALL WATER DISCHARGED FROM SEDIMENT BASINS e. ANY ADDITIONAL REMEDIAL WORKS REQUIRED. THE LOG BOOK SHALL BE MAINTAINED ON A WEEKLY BASIS AND BE MADE
- AVAILABLE TO ANY AUTHORISED PERSON UPON REQUEST. THE ORIGINAL LOG BOOK SHALL BE ISSUED TO THE PROJECTS MANAGER AT THE COMPLETION OF



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