

LEGEND

- RL 14.99 DENOTES EARTHWORKS REDUCED SPOT LEVEL.
- RL 14.00 DENOTES EARTHWORKS REDUCED BENCH LEVEL.
- DENOTES NEW RETAINING WALL.
- ⊙ DENOTES BORE HOLE LOCATION AS INVESTIGATED BY GEOTECHNICAL ENGINEER, REFER REPORT NUMBER 44650 DATED APRIL 2007, PREPARED BY DOUGLAS PARTNERS FOR EXISTING GROUND CONDITIONS AND GEOTECHNICAL REQUIREMENTS. EXISTING BUILDINGS MAY BE SUSCEPTIBLE TO VIBRATION DAMAGE INDUCED BY EXCAVATION EQUIPMENT. REFER TO GEOTECHNICAL REPORT FOR VIBRATION LIMITATIONS.

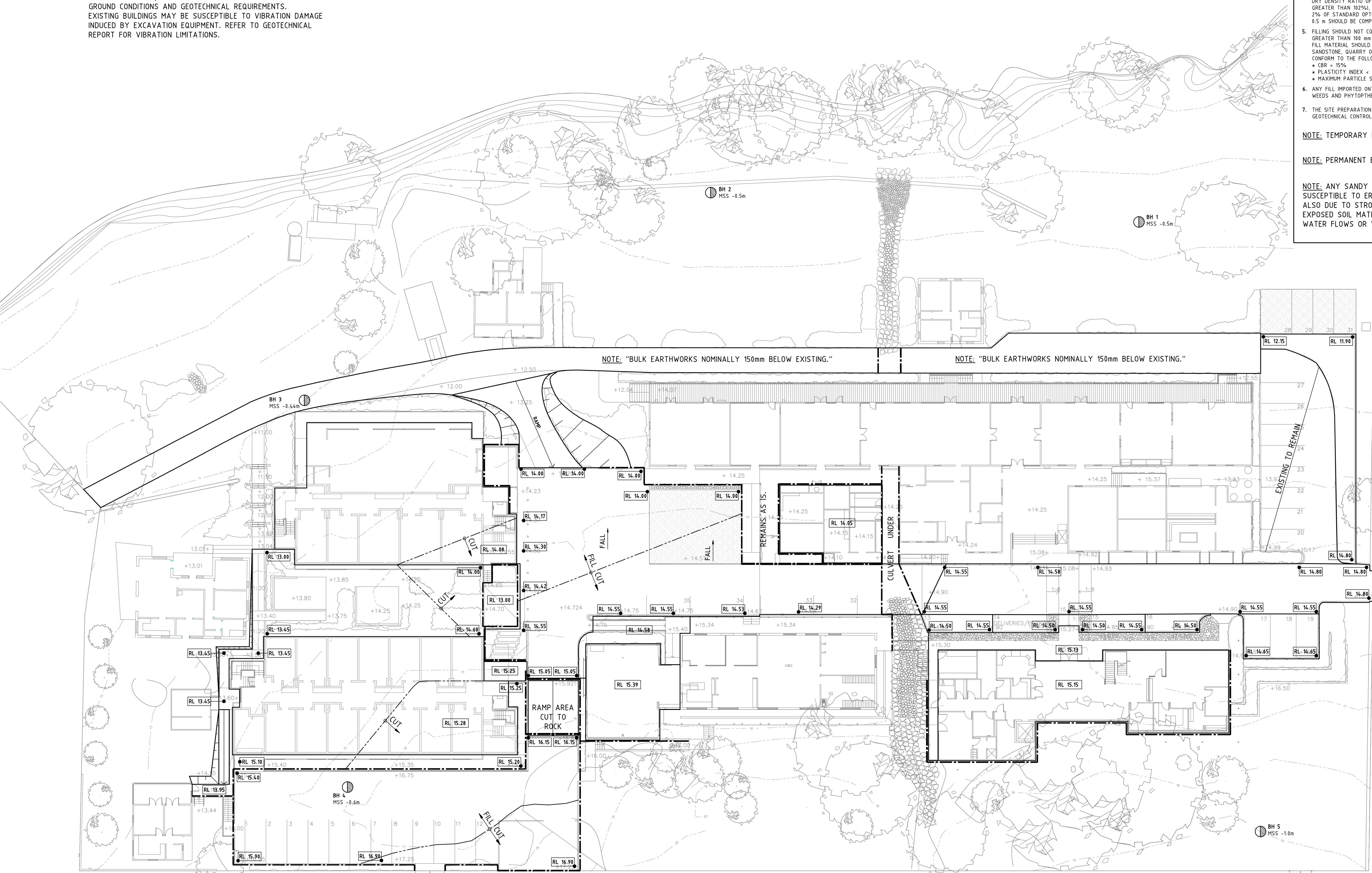
EARTHWORKS CUT & FILL CRITERIA

1. STRIP ALL TOPSOILS, VEGETATION AND OTHER DELETERIOUS MATERIALS (SUCH AS UNCONTROLLED FILLING) ONLY FROM AREAS TO BE WORKED AND REMOVE TO SPOIL OR STOCKPILE FOR POSSIBLE RE-USE.
2. PROOF ROLL THE EXPOSED SUBGRADE WITH A SMOOTH DRUM ROLLER OF AT LEAST 10 TONNES STATIC DEADWEIGHT CAPACITY FOLLOWED BY INSPECTION BY A GEOTECHNICAL ENGINEER AFTER A MINIMUM OF SIX PASSES OF THE ROLLER.
3. WHERE SOFT SPOTS OR UNACCEPTABLE SUBGRADE CONDITIONS ARE ENCOUNTERED, REMOVE A FURTHER 300 mm OF THE UNSUITABLE MATERIAL. PLACE SELECT GRANULAR FILLING, IN LAYERS OF 300 mm MAXIMUM LOOSE THICKNESS, TO WITHIN 0.5 m OF THE FINISHED LEVEL AND COMPACT EACH LAYER TO AT LEAST 95% STANDARD DRY DENSITY RATIO.
4. WHERE ADDITIONAL FILLING IS REQUIRED TO ATTAIN DESIGN LEVELS, COMPACT APPROVED FILLINGS IN LAYERS NO GREATER THAN 200 mm THICKNESS TO A MINIMUM DRY DENSITY RATIO OF 98% RELATIVE TO THE STANDARD COMPACTION (BUT NOT GREATER THAN 102%), WITH PLACEMENT MOISTURE CONTENTS MAINTAINED WITHIN 2% OF STANDARD OPTIMUM UNDER BUILDING AREAS. IN PAVEMENT AREAS, THE UPPER 0.5 m SHOULD BE COMPACTED TO ACHIEVE A MINIMUM 100% DRY DENSITY RATIO.
5. FILLING SHOULD NOT CONTAIN TOPSOILS, ORGANIC MATTER, SOLID PARTICLES GREATER THAN 100 mm IN SIZE OR OTHER DELETERIOUS MATERIALS. THE SELECT FILL MATERIAL SHOULD BE A LOW PERMEABLE GRANULAR MATERIAL (RIPPED SANDSTONE, QUARRY OVERBURDEN OR SIMILAR). THE FILL MATERIAL SHALL CONFORM TO THE FOLLOWING SPECIFICATION:
 - CBR > 15%
 - PLASTICITY INDEX < 15%
 - MAXIMUM PARTICLE SIZE ~ 100mm.
6. ANY FILL IMPORTED ONTO THE SITE SHALL BE CERTIFIED AS BEING FREE OF WEEDS AND PHYTOPHENA CINNAMOM.
7. THE SITE PREPARATION WORKS SHALL BE UNDERTAKEN UNDER APPROPRIATE GEOTECHNICAL CONTROL WITH REFERENCE MADE TO AS 3798 - 1996.

NOTE: TEMPORARY BATTERS IN SAND TO BE: 1:1.5

NOTE: PERMANENT BATTERS IN SAND TO BE: 1:5.0

NOTE: ANY SANDY FILLING & SITE SOILS WILL BE PARTICULARLY SUSCEPTIBLE TO EROSION, RESULTING FROM WATER FLOWS AND ALSO DUE TO STRONG WINDS. EXPOSED SOIL MATERIALS TO BE PROTECTED FROM CONCENTRATED WATER FLOWS OR WINDS AS APPROPRIATE.



ISSUE	DATE	AMENDMENT
03	11.12.08	ISSUED FOR INFORMATION
02	04.12.08	ISSUED FOR INFORMATION
01	25.11.08	ISSUED FOR INFORMATION

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PROJECT

AUSTRALIAN INSTITUTE OF POLICE MANAGEMENT
FOR THE AUSTRALIAN FEDERAL POLICE

DRAWING TITLE:

BULK EARTHWORKS PLAN

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