ENVIRONMENTAL SITE MANAGEMENT PLAN - SITE SEQUENCING
28-32 Dumaresq Street, Gordon, NSW

1. Scope of Construction Works

Site Overview - The proposed project is proposed residential development at 28-32 Dumaresq Street, Gordon, NSW. The site is bounded by Dumaresq Road to North boundary and residential lots to East, South and West boundaries. The development will consist of building new residential development and basement car park providing 34 No apartments and 42 No basement car park spaces.

Scope of Works - The works comprise demolition of the existing houses and in-ground swimming pool, and construction of a seven storey residential building overlying a basement car parking.

2. Site Management Plan

Site Preparation - Prior to commencement of site works detailed dilapidation survey report is to be compiled in relation to the neighbouring house to the East (26 Dumaresq Street) and common boundary retaining wall.

The site preparation works will comprise demolition of the existing houses, car port, in-ground swimming pool and internal retaining walls as well as removal of plants and trees. Care is to be taken during site stripping and subsequent excavation works not to undermine or remove support from the site boundaries, in particular the Eastern boundary retaining wall.

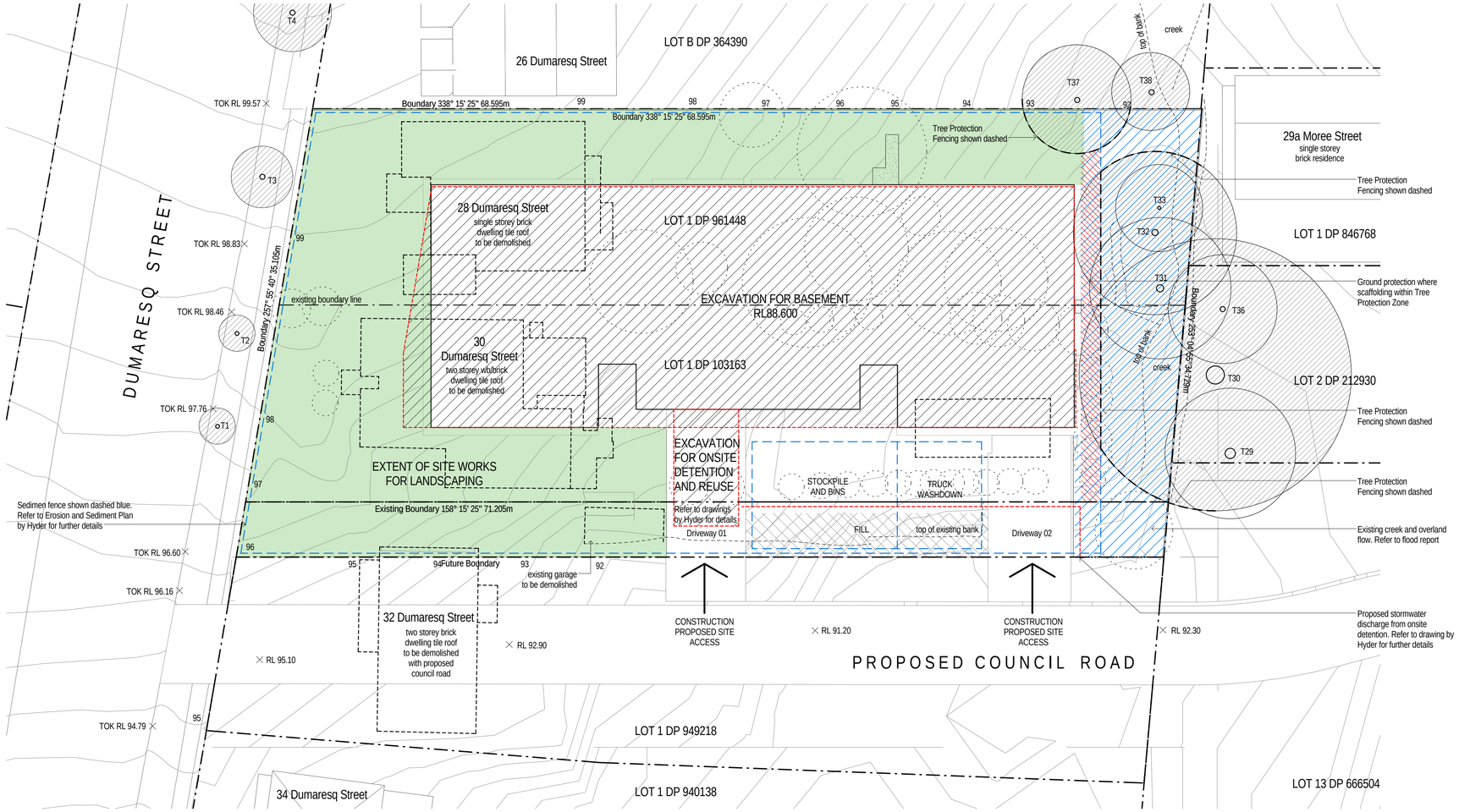
Excavation - The excavation of the soil and extremely weathered sandstone bedrock profiles can be completed using large hydraulic excavators. Excavation of medium and high strength sandstone bedrock may only be possible to be ripped with a Caterpillar D9 dozer including rock hammer assistance to the ripping. Rock excavations using hydraulic rock hammers will need to be strictly controlled as there may be direct transmission of ground vibrations to the neighbouring house to the East. Therefore the quantitative vibration monitoring is recommended to be carried out at the commencement and then periodically during the rock excavation as a safety check against possible induced damage. In the instance of rock hammers use, the reduction of vibration should be carried out in accordance with procedures set out in Jeffery and Katauskas Geotechnics Report (dated 18.09.12 - Section No. 4.1.2).

Groundwater seepage volumes into the excavation are expected to be controlled by conventional sump and pump methods.

Retention Support - The vertical cuts in the soil and upper weathered sandstone bedrock profiles are to be supported by soldier pile retaining wall system with shotcrete infill panels. The soldier piles will be installed prior to commencement of excavation and will be progressively shotcreted and anchored or internally propped as excavation proceeds. Careful control of construction sequence will reduce potential movements.

Rock anchors are to be installed in accordance with recommendations set out in Jeffery and Katauskas Geotechnics Report (dated 18.09.12 - Section No. 4.2.3).

General Comments – The basement slab and footings are to be constructed in accordance with recommendation set out in Jeffery and Katauskas Geotechnics Report (dated 18.09.12 - Section No. 4.4.3).



GENERAL NOTES

Verify dimensions on site prior to commencement of work.
Check existing RL's on site. Advise Architect of any discrepancies before commencement. Allow for adjustments to suit discrepancies.
Comply with relevant authorities requirements. Comply with Building Code of Australia requirements. Comply with relevant Australian Standards for materials and construction practice. Comply with Basix Certificate.
Do not scale from drawings.

LEGEND

- Tree Protection Fencing
- Sediment Control Fence
- Trees to be retained (TPZ shown)
- Trees to be removed
- Overland Flow
- Ground Protection where scaffolding within TPZ

Rev	Amendments	Date
A	DA Issue	23/11/2012
B	AMM Meeting	26/06/2013
C	Request for Information	24/07/2013

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PRELIMINARY ONLY

Gordon Apartments

28-32 Dumaresq St
Gordon NSW 2072

Environmental Site Management & Excavation Plan

SCALE @ A1	DRAWN	CHECKED	DATE	PROJECT	DRAWING	REVISION
1 : 200	LS	PJC	14/11/12	110039	0003	C