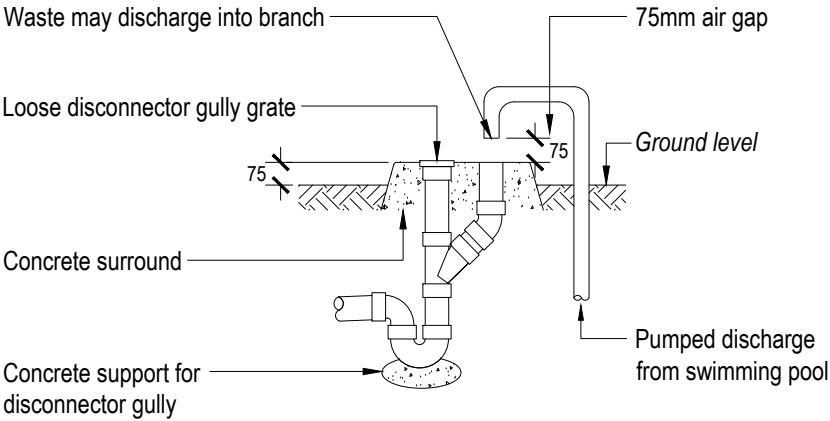
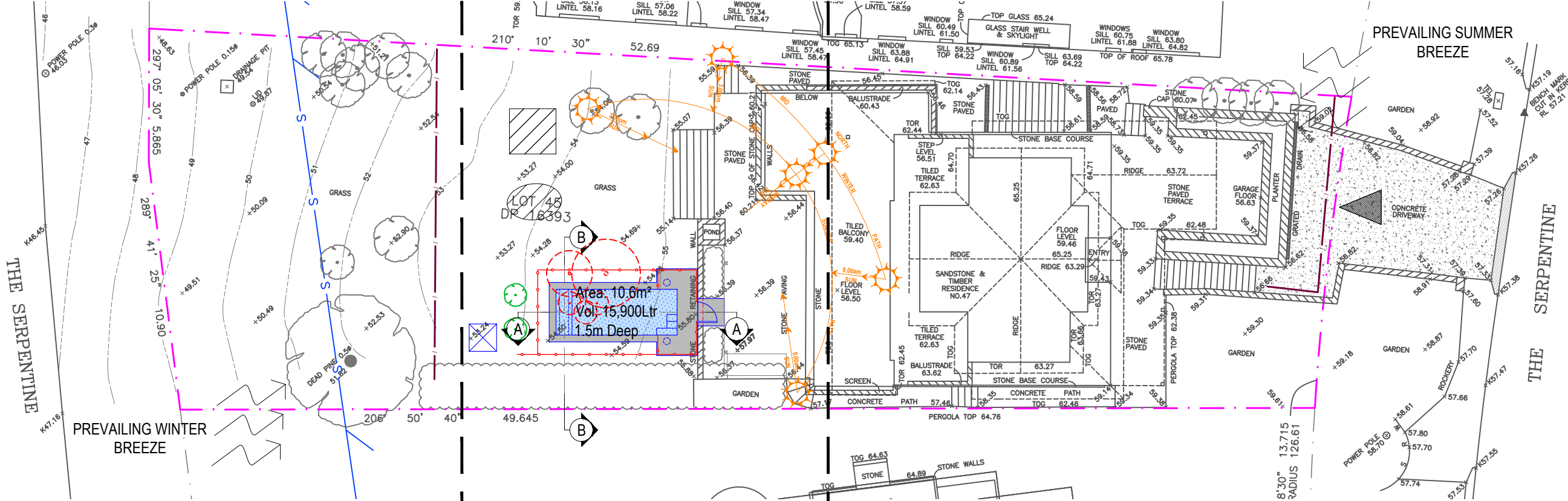
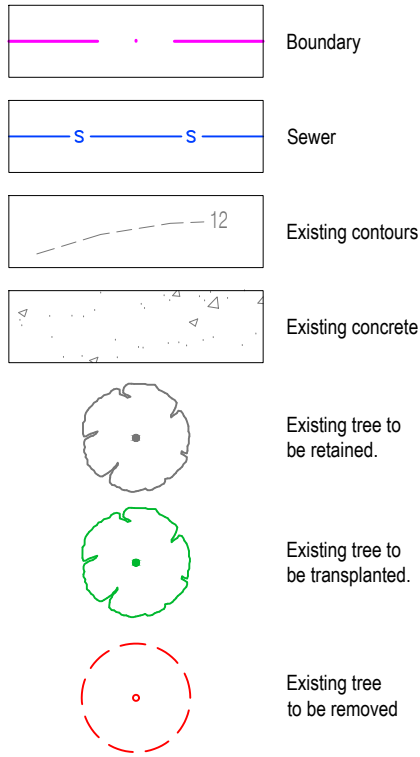
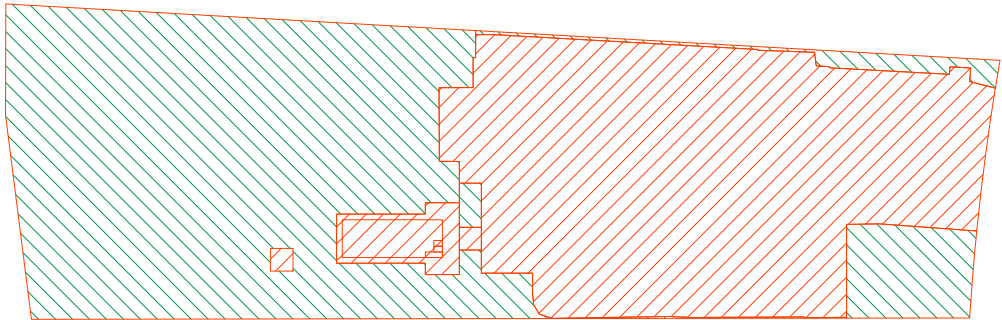
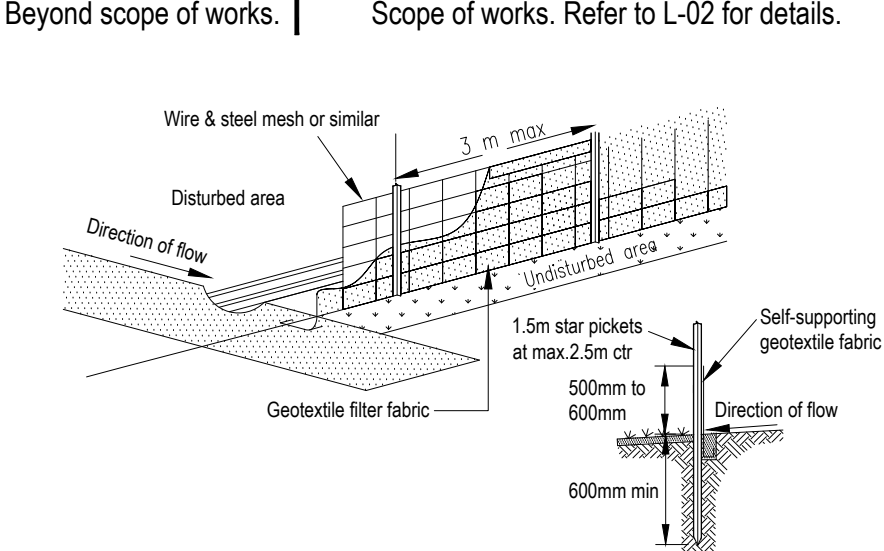
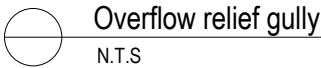


Legend



Note: Overflow relief gully (ORG) to be constructed to AS/NZS 3500.



Landscape Area Diagram
Scale 1:400

Landscape Area Calculations

Site Area	777.14m ²
Required Landscape Area	466.28m ² (60%)
Existing Landscape Area	434.63m ² (55.93%)
Proposed Landscape Area	412.73m ² (53.11%)
Impervious area allowance (paving)	46.63m ² (6%)
Total Landscape Areas:	459.36m ² (59.11%)

Site Analysis Legend

	Site vehicle entry		Prevailing wind
	Waste storage area during construction phase		Materials storage area during construction phase
	Sediment control device during construction phase		Proposed 'hard' works shown blue

Sediment & erosion control notes

- During earthworks the following procedures shall be followed:
1. Install silt barriers where shown on plan prior to commencement of works.
 2. Silt barriers to be maintained regularly & after heavy rain by removal of built up silt & spreading silt on existing site when 50% capacity.
 3. Repair any damages to fence immediately.
 4. Clean up spillages outside silt fence immediately.
 5. Sediment control measures to be left in place until works completed.
 6. Topsoil from the work's area will be stockpiled for later use in landscaping if necessary.
 7. Approved bins for building waste, concrete and mortar slurries, paints and acid washings will be provided by contractor.

Note:
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- Any discrepancies should be immediately referred to Serenescapes Landscape Designs.
- All work to comply with B.C.A. Statutory Authorities and relevant Australian Standards.
- Dimensions recognised over scaling. All measurements are in millimetres.
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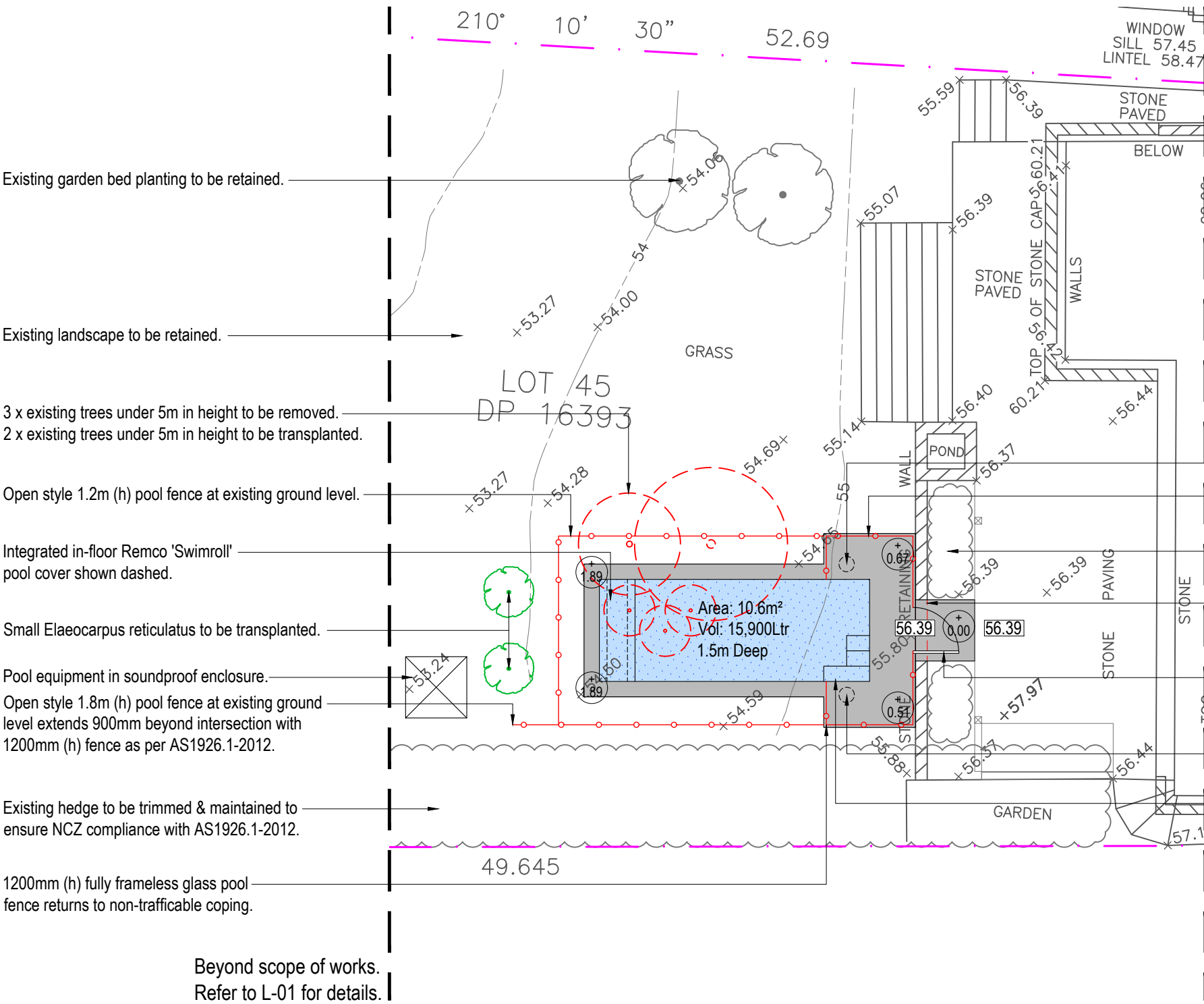
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Client:
Keith & Heather Wilkinson
Site Address:
**47 The Serpentine
Bilgola Beach**

Drawing Title:
**Site Plan / Site Analysis /
Sedimentation Control Plan**
Drawn by:
Ben Farrar
AILD # 1179
Project Number:
19508
Scale:
1:200 @ A3
Sheet Number:
L-01 of 5


Rev:	Date:	Issue:	Checked:
A	20/02/19	Preliminary Issue	TB
B	01/03/19	DA Issue	TB





Note:
1/ Pool pavement pattern and setout shown is indicative only. No allowance has been made for coping overhang, mortar gaps and joints.
2/ Pool fence shown is the approximate position of proposed 1200mm(h) minimum childproof safety barrier with sc/sl gate in accordance with AS1926.1-2012 as adopted by the Swimming Pools Regulation 2008. The proposed pool enclosure has been designed to comply with the Australian standard, the swimming pools act and swimming pools regulation. Serenescapes Landscape Designs accepts no responsibility if changes during construction & installation cause any non-compliance.
3/ The boundary fence inside the pool zone must be a minimum height of 1800mm with a non climbable zone of 900mm on the inside of the fencing in accordance with the Australian Standard prescribed by the Swimming Pools Regulation 2008.
4) Any shrubs or plants located adjacent to the pool enclosure must be maintained for the lifetime of the development at a height that does not interfere with the required non climbable zones.

Skimmer box under tile infill lid.
1200mm (h) fully frameless glass pool fence returns to non-trafficable coping.
Existing hedge to be trimmed & maintained to ensure NCZ compliance with AS1926.1-2012.
Top of existing retaining wall to be removed to facilitate paved connection.
Self closing, self locking gate & 1200mm (h) fully frameless glass pool fence.
In-floor cleaning access under tile infill lid.
Pool ledge & steps.

Note:  Denotes difference between coping & existing ground level

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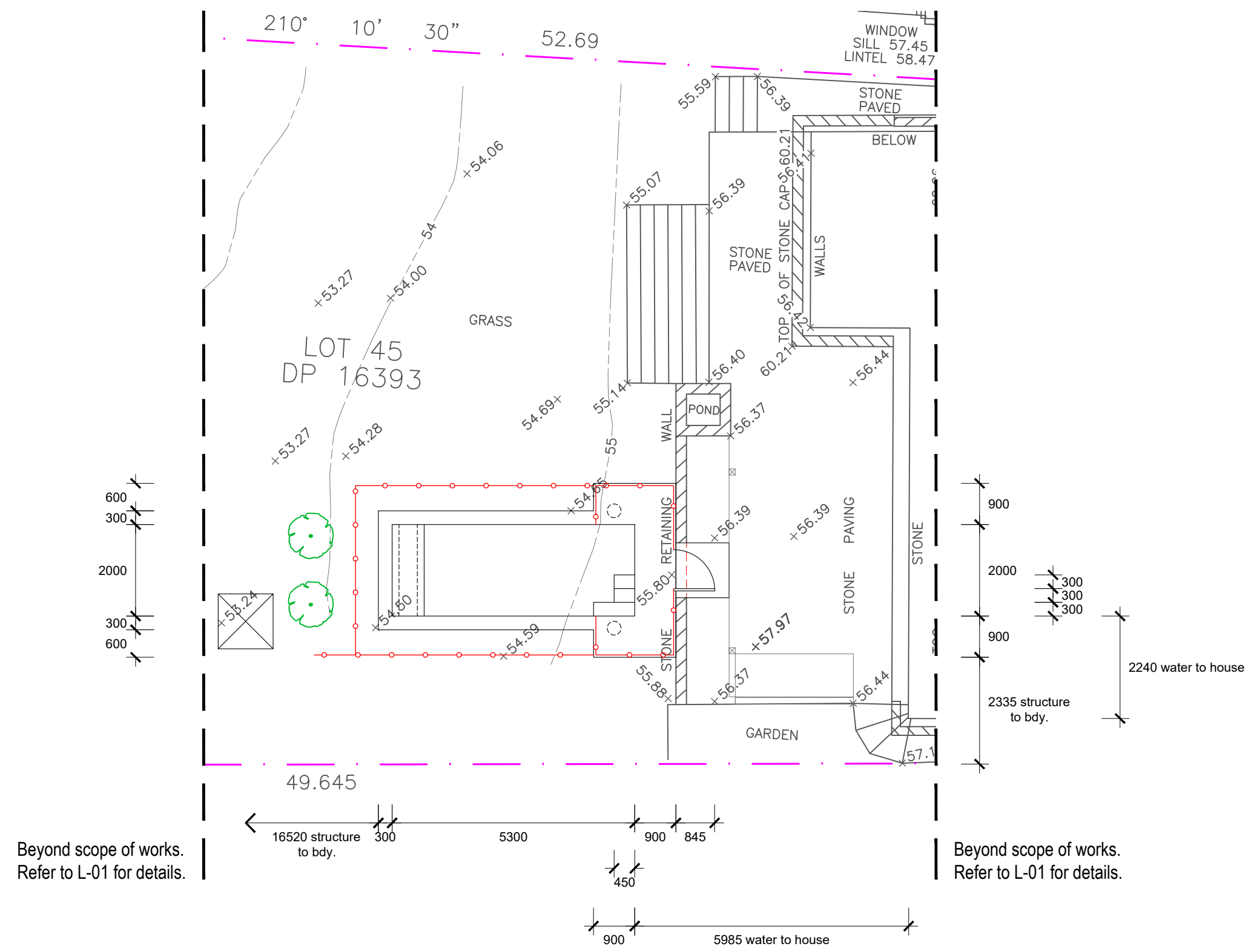
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Client: **Keith & Heather Wilkinson**
Site Address: **47 The Serpentine Bilgola Beach**

Drawing Title: **Detail Plan**
Drawn by: **Ben Farrar**
AILDM # 1179
Project Number: **19508**
Scale: **1:100 @ A3**
Sheet Number: **L-02 of 5**

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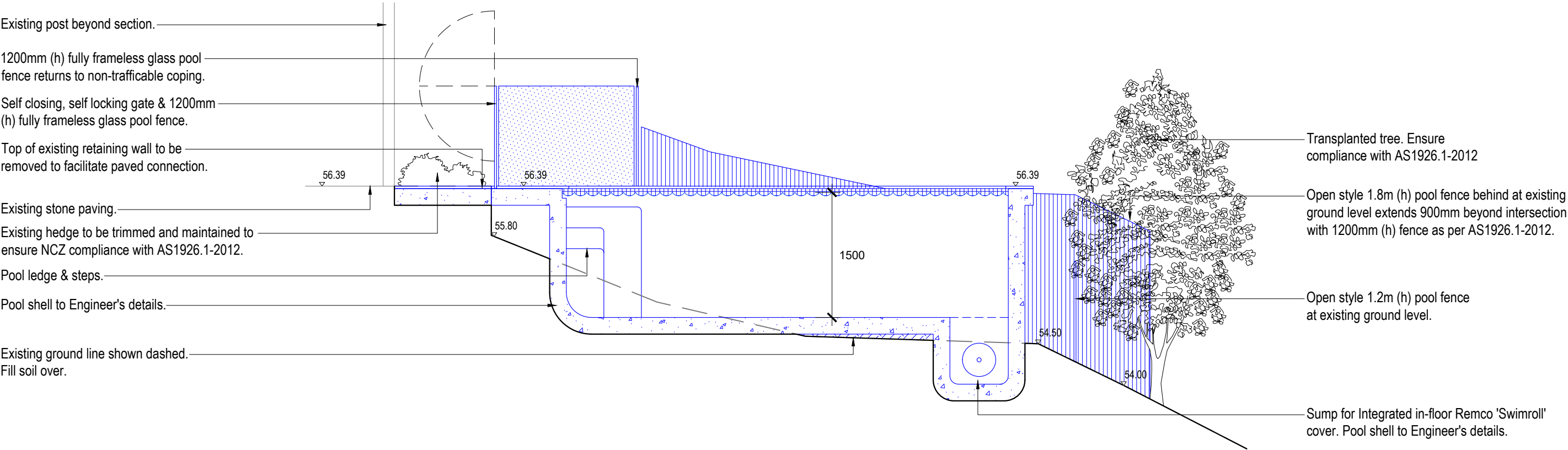


Note:
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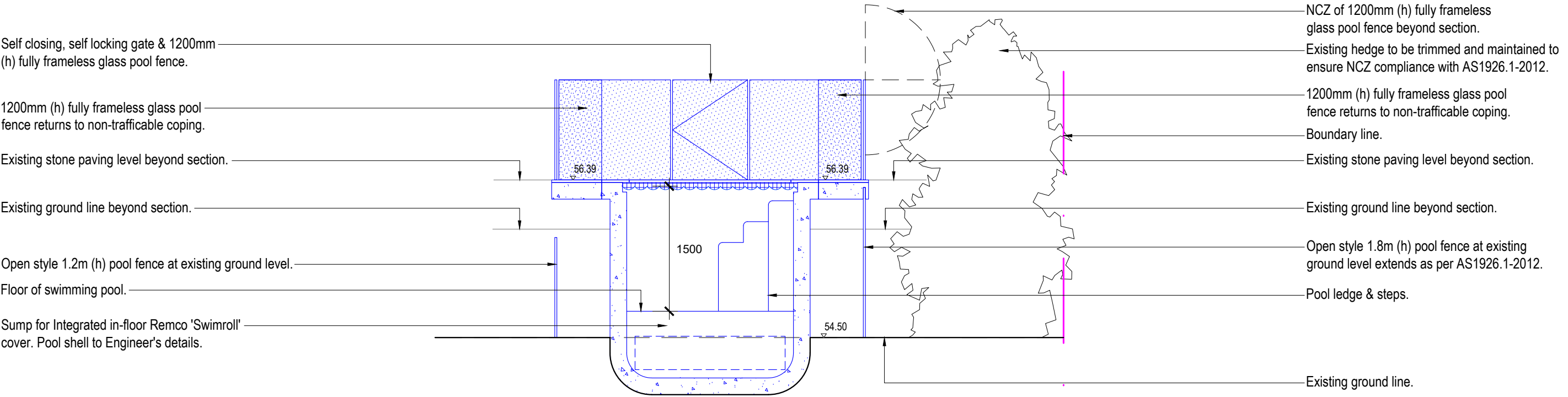

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Client: Keith & Heather Wilkinson		Drawing Title: Setout Plan				Rev:	Date:	Issue:	Checked:	
Site Address: 47 The Serpentine Bilgola Beach		Drawn by: Ben Farrar AILDM # 1179	Project Number: 19508	Scale: 1:100 @ A3	Sheet Number: L-03 of 5	A	20/02/19	Preliminary Issue	TB	
						B	01/03/19	DA Issue	TB	



Sectional Elevation AA
Scale 1:50



Sectional Elevation BB
Scale 1:50

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Client: Keith & Heather Wilkinson		Drawing Title: Sectional Elevation				Rev:	Date:	Issue:	Checked:	
Site Address: 47 The Serpentine Bilgola Beach		Drawn by: Ben Farrar AILDM # 1179	Project Number: 19508	Scale: 1:50 @ A3	Sheet Number: L-04 of 5	A	20/02/19	Preliminary Issue	TB	
						B	01/03/19	DA Issue	TB	

SITE PREPARATION

PROTECTION OF EXISTING TREES:

The fence shall be constructed of star pickets at 2.4m spacings and connected by three strands of 2mm wire at 300mm spacings to a minimum height of 1500mm.

Tree protection measures shall remain intact until the completion of all construction works.

Prohibited Works within the CRZ:

- entry of machinery or storage of building materials
- parking of any kind of vehicle
- erection or placement of site facilities
- removal or stockpiling of soil or site debris
- disposal of liquid waste including paint & concrete wash
- excavation or trenching of any kind (including irrigation or electrical connections)
- attaching any signs or any other objects to the tree
- placement of waste disposal or skip bins
- pruning and removal of branches, other than those by a qualified Arborist

Compacted Ground/Coring: Avoid compaction of the ground under trees. If compaction nevertheless occurs loosen the soil by Coring. Coring to be carried out by a qualified Arborist.

All trees to be removed shall be carried out by a qualified arborist and work shall conform to the provisions of AS4373-2007 Australian Standards for The Pruning of Amenity Trees.

Remove all existing weeds by hand, wiping or spraying with a glyphosate based herbicide. Weed control shall never be performed by mechanical cultivation or by scraping. Herbicide spraying is to be used to eliminate all existing weeds 30 days prior to planting.

Excavate garden beds to the depth required and rip or scarify base & sides of pit to a minimum depth of 150mm.

Install drainage layer where there is surface water runoff draining into garden bed areas & where the existing sub-soil has more than 50% clay composition & there is a risk of subsurface water ponding. Install perforated corrugated ag. line 75-100mm Dia. with geotextile filter sock & backfill to a minimum 200mm using free draining material, reclaimed/recycled where available. Direct flows at a minimum 0.5% fall to sw system. In areas isolated from stormwater system excavate & backfill an appropriate water dispersion pit.

Existing site topsoil should be salvaged & appropriately stockpiled where possible.

Quality System: AS 4419 or as specified below.

Turf Areas: 'Turf Underlay' as supplied by, ANL p: 02 9450 1444 or approved alternative.

Tree Pit and Shrub Planting: 'Premium Garden Mix' as supplied by, ANL p: 02 9450 1444 or approved alternative.

Health & Vigour: Supply plants with foliage size, texture & colour consistent with that shown in healthy specimens of the species.

Balance of Crown: Supply plants with max. variation in crown bulk on opposite sides of stem axis, +/- 20%.

Stock selection should be based on NATSPEC Guide *Specifying Trees: a Guide to Assessment of Tree Quality*.

STAKING

Install 2 x 1800mm 40x40 hardwood timber stakes with hessian ties to all trees. Provide appropriate support considering exposure to prevailing winds. Stakes and hessian ties to be removed as soon as the tree is self supporting.

New dripline irrigation system to be installed with backflow preventer and with timers. Irrigation system to be designed and installed to local codes.

The entire irrigation system shall be fully automated and provide drip irrigation to all tree, shrub and ground cover zones. It is the Contractor's responsibility to verify water pressure available and determine all design-built parameters prior to any installation and sizing of irrigation components. Irrigation system to be connected to water tank to supplement water from mains.

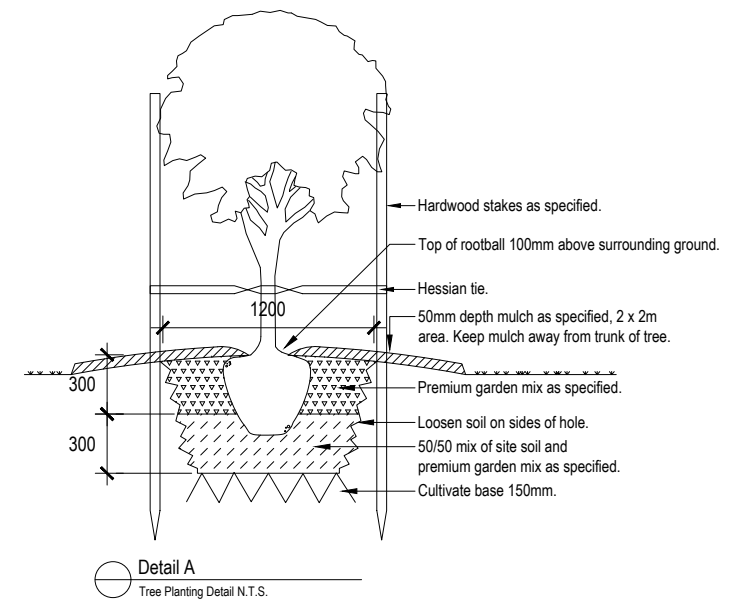
Quality system: AS 4454

All planting area impacted by building works to receive 50-75mm of garden Mulch, Hort-Bark, ANL p: 02 9450 1444 or approved alternative. Keep mulch 100mm away from plant stem & form a well to stop excessive water runoff. Finish flush with adjacent surfaces.

New turf- Sir Walter Soft Leafed Buffalo.

Excavate / grade all areas to be turfed to 120mm below finished levels. Ensure that all surface runoff is directed away from buildings. Ensure that no pooling or ponding will occur. Further rip the sub-grade to 150mm. Install 100mm of imported turf underlay. Rolls to be closely butted and laid in a brickwork pattern. Fill any small gaps with topsoil and water thoroughly.

Water in immediately after plant installation & allow for soil settlement. For the first 2 to 4 weeks after planting, the root zone & immediate surrounds must be kept moist. Continue watering until plants have established.



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