

Appendix D

Option 2 – Eastern Option: GreenWay on Eastern Side of Rail Corridor



Legend



1:1,250 (at A3) 20 30 40 0 5 10 50 Metres Map Projection: Transverse Mercator Horizontal Datum: Geocentric Datum of Australia Grid: Map Grid of Australia 1994, Zone 56



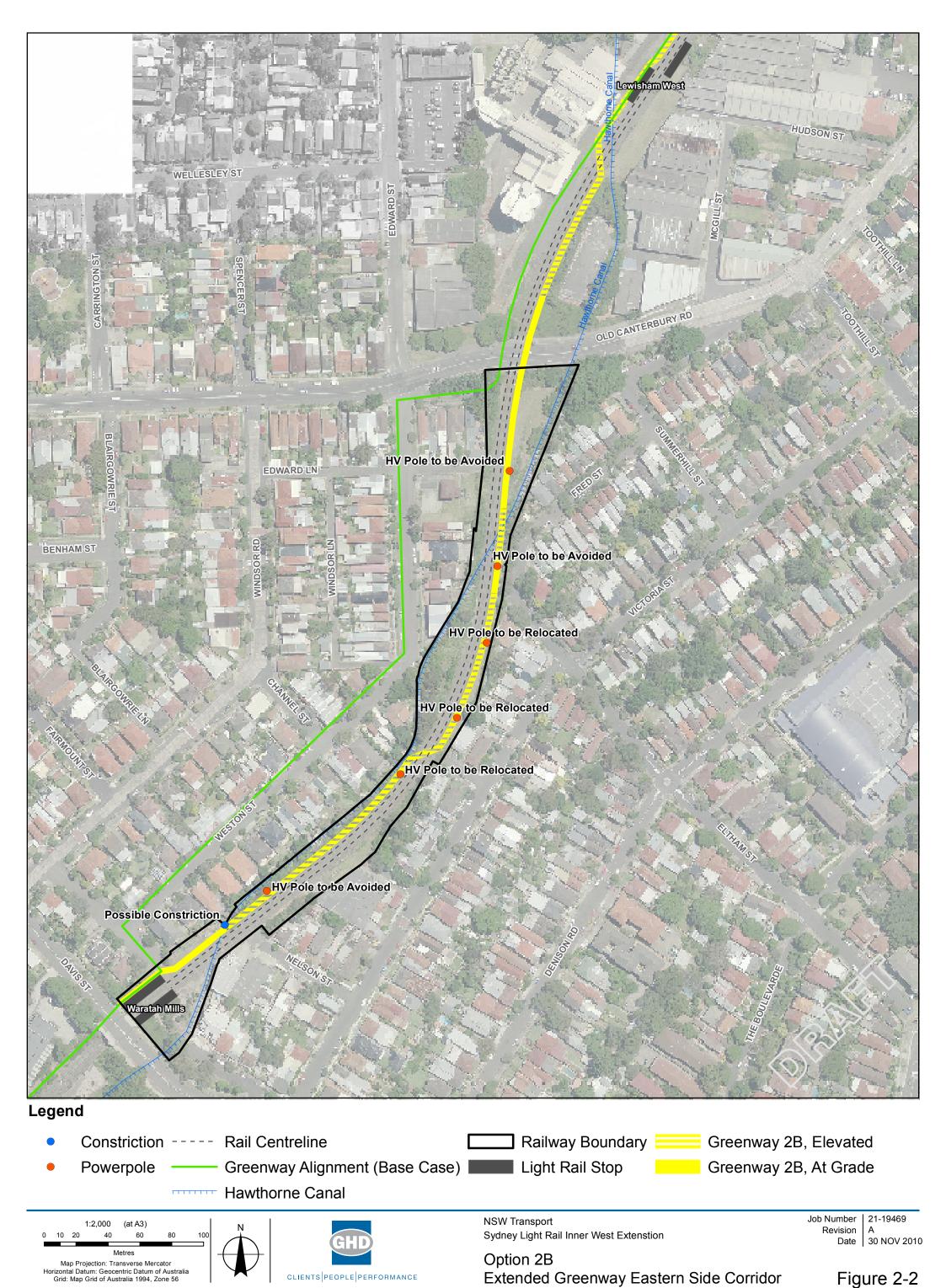


NSW Transport Sydney Light Rail Inner West Extenstion

Revision

Job Number | 21-19469 Date 30 NOV 2010

Option 2A Extended Greenway Eastern Side Corridor







Appendix E

Option 3 – Adjustments to Light Rail to Single Track Operation



Legend



1:1,250 (at A3) 20 30 40 50 0 5 10 Metres Map Projection: Transverse Mercator Horizontal Datum: Geocentric Datum of Australia Grid: Map Grid of Australia 1994, Zone 56





NSW Transport Sydney Light Rail Inner West Extenstion

Option 3

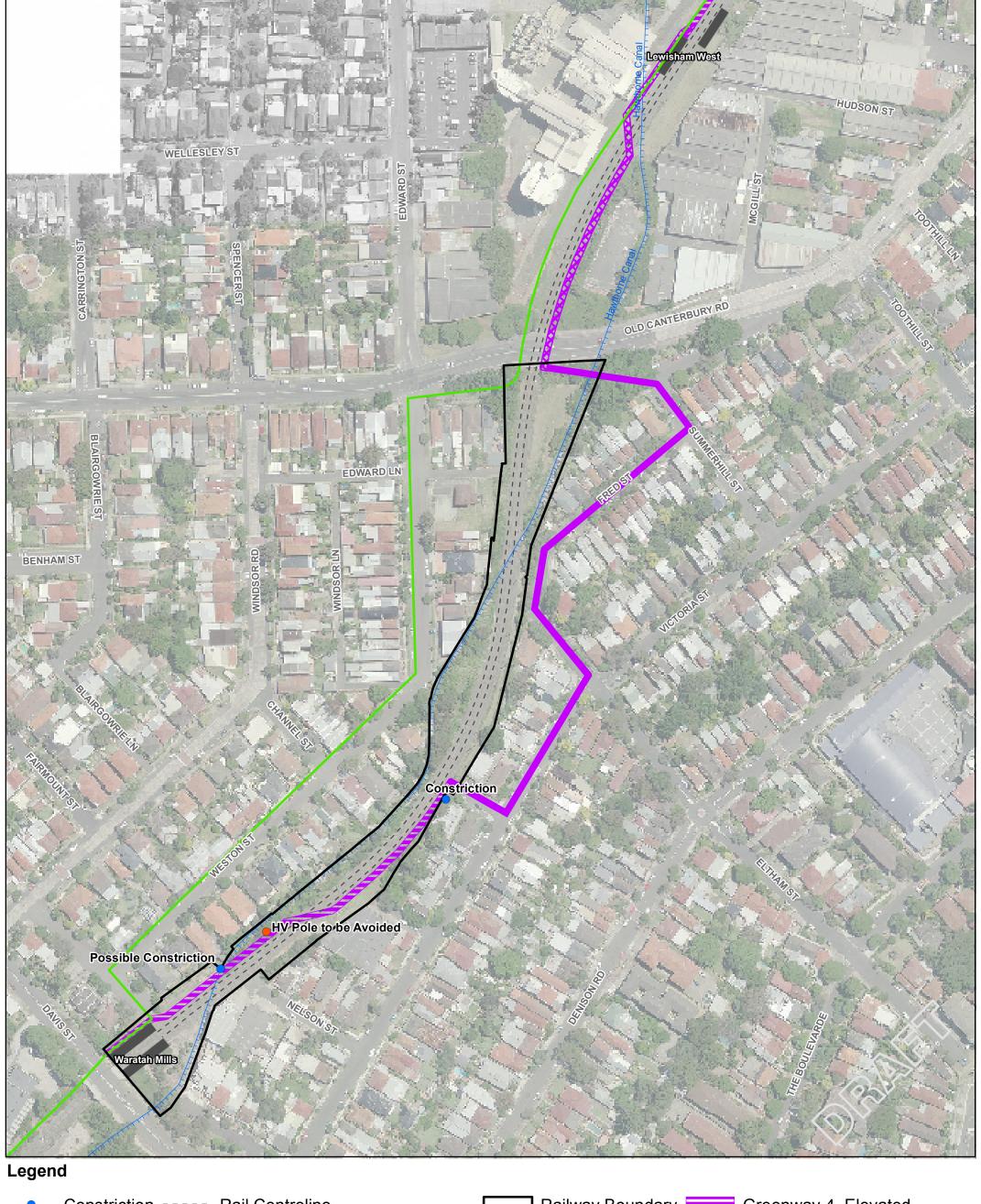
Extended Greenway Corridor

Job Number | 21-19469 Revision Date 30 NOV 2010

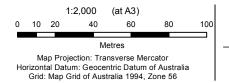


Appendix F

Option 4 – Outside of Rail Corridor Option (Eastern Side)



Railway Boundary ==== Greenway 4, Elevated Constriction ---- Rail Centreline Greenway Alignment (Base Case) Light Rail Stop Greenway 4, At Grade Powerpole Greenway 4, Dive/Underpass **Hawthorne Canal**







NSW Transport Sydney Light Rail Inner West Extenstion Job Number | 21-19469 Revision Date 30 NOV 2010

Option 4

Greenway Outside of Rail Corridor (Eastern Side) Figure 4-1



Appendix G List of Background Information



- 1 Sydney Light Rail Inner West Extension Study Final Report, July 2010, prepared by GHD Pty Ltd
- 2 Sydney Light Rail Extension Stage 1 Inner West Extension Environmental Assessment (extract pages 111 to 124), September 2010, prepared by Parsons Brinckerhoff.
- 3 Central Sydney Light Rail Route Evaluation Study Dynamic Envelope and Clearances, August 2004, prepared by GHD Pty Ltd.
- 4 Sydney and Suburbs Storm Water Drainage Long Cove Creek drawings from, Sydney Water Corporation.



Appendix H Cost Estimate





GreenWay Alternative at Weston Street - Costing Option 1B Adjacent to Hawthorne Canal

Report Reference 210049

Issue Number 3

Date of Report 30 November 2010



Document issue record

Document Title:	GreenWay Alternative at Weston Street - Costing Option 1B Adjacent to Hawthorne Canal			
Project Reference:	210049			
Purpose of Issue:	Estimate report			

Issue	Description of Amendment	Originator / Author	Checker	Approver	Date
1	Initial Issue	DQ	MS	MS	25/11/10
2	Revised scope and geotech	DQ	MS	MS	30/11/10
3	Wording adjusted	DQ	MS	MS	30/11/10
4					
5					
6					

Previous issues of this document shall be destroyed or marked **SUPERSEDED**



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1 Introduction

Aquenta Consulting have been requested to provide high level costs on Option 1B of the GreenWay pathway along the Hawthorne Canal near Weston Street.

The total of the estimate, including client costs and contingencies, is \$6,100,000 excluding GST. The detail of the estimate is in Appendix 1 below.

2 Estimate Basis and Assumptions

This capital cost estimate is based on the following marked-up drawings provided by GHD on Friday 19 November 2010;

- 21-19469-SK-001-A
- 21-19469-SK-002-A
- 21-19469-SK-003-A
- 21-19469-SK-004-A
- 21-19469-SK-005-A
- 21-19469-SK-006-A
- 21-19469-SK-007-A
- 21-19469-SK-008-A
- Sketches SK-03 to SK-05

The estimate is based on these drawings and the following assumptions;

- The screen and barrier have been taken as relatively high specification security barriers
- No asphalt or other surfacing on top of the concrete finish has been allowed to the precast footpath slabs
- The 360UB girders have been taken as having a galvanised finish
- The pile, pile cap and precast headstock substructure arrangements have been allowed at 5m centres
- Assumed that the site is accessible by a standard piling rig and equipment
- Assumed that the existing track is being replaced as part of other works (as previous estimates), hence no allowance has been made in this estimate for lifting, replacing or relocating the track or ballast
- An allowance of \$50,000 per position has been made for the relocation of the overhead HV wiring pole. The relocation of only one pole has been included
- Contractors Indirect costs are included at 38% (as previous estimates)
- Client costs are as the previous GreenWay estimates, with the exception of the allowance for geotechnical investigation which has been increased to allow for the complexity of this location and the canal etc
- Contingency has been allowed at 30%



3 Exclusions

The following items have been excluded from the Capital Cost Estimate:

- Escalation
- Traffic management
- Restricted working hours
- Abnormal foundations
- Aboriginal and European heritage
- Land acquisition and legal costs
- Compliance with any DA conditions or Minister's approvals
- Finance Costs, Taxes etc
- GST.



Appendix 1. Detail of Estimate

GreenWay Option 1B



Project: Issue 3

Building: Sydney Light Rail CBD Full measure

Details: Estimate Detail

Description	Unit	Quantity	Rate	Total
GreenWay Option 1B				
2500mm high screen, rail side	m	423	1,800.00	762,000
1500mm high barrier, privacy screen	m	423	600.00	254,000
Precast RC slab, 3600mm wide overall, 200mm thick, 4%	m	423	1,440.00	610,000
reinf	111	425	1,440.00	010,000
360UB44.7, galvanised	t	33	8,500.00	281,000
Type 1 substructure	m	83	4,046.70	336,000
Type 2 substructure	m	56	4,197.82	236,000
Type 3 substructure	m	102	3,400.01	347,000
Type 4 substructure	m	182	400.00	73,000
Relocate HV overhead wiring pole	ea	1	50,000.00	50,000
Mods to existing masonry	m	139	200.00	28,000
Subtotal Contractors Direct Costs				2,977,000
Contractors Indirects			0.38	1,132,000
Subtotal Contractors Direct and Indirect Costs				4,109,000
Client Costs;				
Project managent & project controls			0.06	179,000
Design			0.08	239,000
Planing & environmental			0.01	30,000
Geotechnical				90,000
Communications & Community			0.02	45,000
Subtotal				4,692,000
Contingency			0.30	1,408,000
Total				6,100,000



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Document Status

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