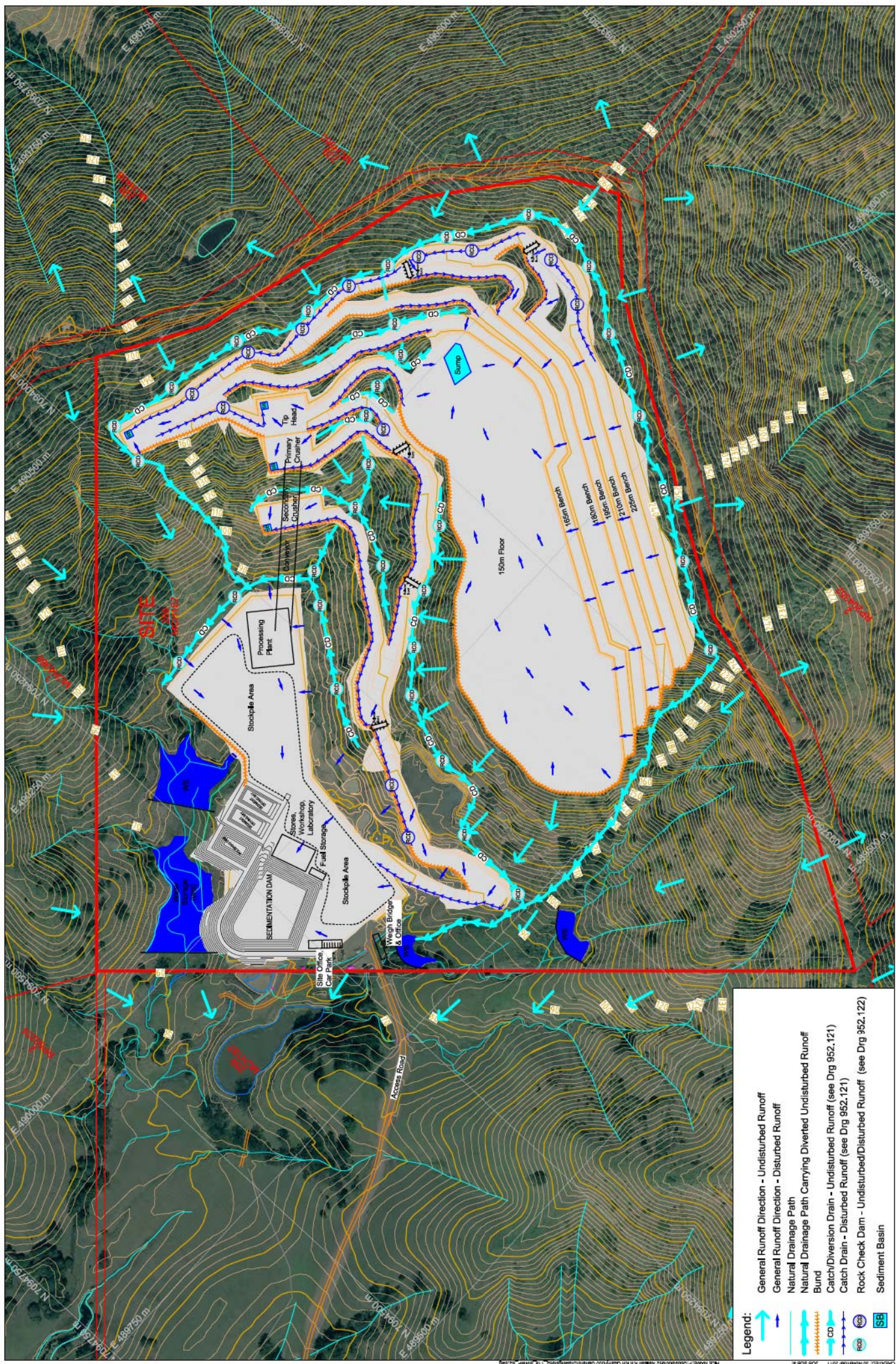


- Legend:**
- General Runoff Direction - Undisturbed Runoff
  - General Runoff Direction - Disturbed Runoff
  - Natural Drainage Path
  - Natural Drainage Path Carrying Diverted Undisturbed Runoff
  - Bund
  - Catch/Diversion Drain - Undisturbed Runoff (see Drg 952.121)
  - Catch Drain - Disturbed Runoff (see Drg 952.121)
  - Rock Check Dam - Undisturbed/Disturbed Runoff (see Drg 352.122)
  - Sediment Basin

<b>Figure 7A - Stormwater, Sediment and Erosion Control Plan - Stage 1</b>	
<b>PROJECT:</b> Kin Kin Quarry <b>CLIENT:</b> Neilsens Quality Gravels Pty Ltd	<b>TITLE:</b> GROUNDWORK <b>SCALE:</b> 1:4,000 <b>DATE:</b> 1 December 2011 <b>PRINTED:</b> 1 December 2011 <b>CHECKED:</b>
<b>PROJECT NUMBER:</b> 952.120 <b>SCALE:</b> 80 <b>DATE:</b> 1 December 2011 <b>PRINTED:</b> 1 December 2011 <b>CHECKED:</b>	<b>DESIGNER:</b> M&S <b>DATE:</b> 11 September 2011 <b>PROJECT NUMBER:</b> 952.120 <b>SCALE:</b> 80 <b>DATE:</b> 1 December 2011 <b>PRINTED:</b> 1 December 2011 <b>CHECKED:</b>



- Legend:**
- General Runoff Direction - Undisturbed Runoff
  - General Runoff Direction - Disturbed Runoff
  - Natural Drainage Path
  - Natural Drainage Path Carrying Diverted Undisturbed Runoff
  - Bund
  - Catch/Diversion Drain - Undisturbed Runoff (see Drg 952.121)
  - Catch Drain - Disturbed Runoff (see Drg 952.121)
  - Rock Check Dam - Undisturbed/Disturbed Runoff (see Drg 352.122)
  - Sediment Basin

<b>Figure 7B - Stormwater, Sediment and Erosion Control Plan - Stage 2</b>	
<b>PROJECT:</b> Kin Kin Quarry <b>CLIENT:</b> Neilsens Quality Gravels Pty Ltd	<b>TITLE:</b> GROUNDWORK <b>SCALE:</b> 1:4,000 <b>DATE:</b> 30 November 2011 <b>PRINTED:</b> 30 November 2011 <small>PL: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</small>
<b>REVISION:</b> NO. / DATE / BY / DESCRIPTION	<b>DRAWING NUMBER:</b> 952.119 <b>SCALE:</b> 80 <b>DATE:</b> 30 November 2011 <b>PRINTED:</b> 30 November 2011 <small>PL: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</small>

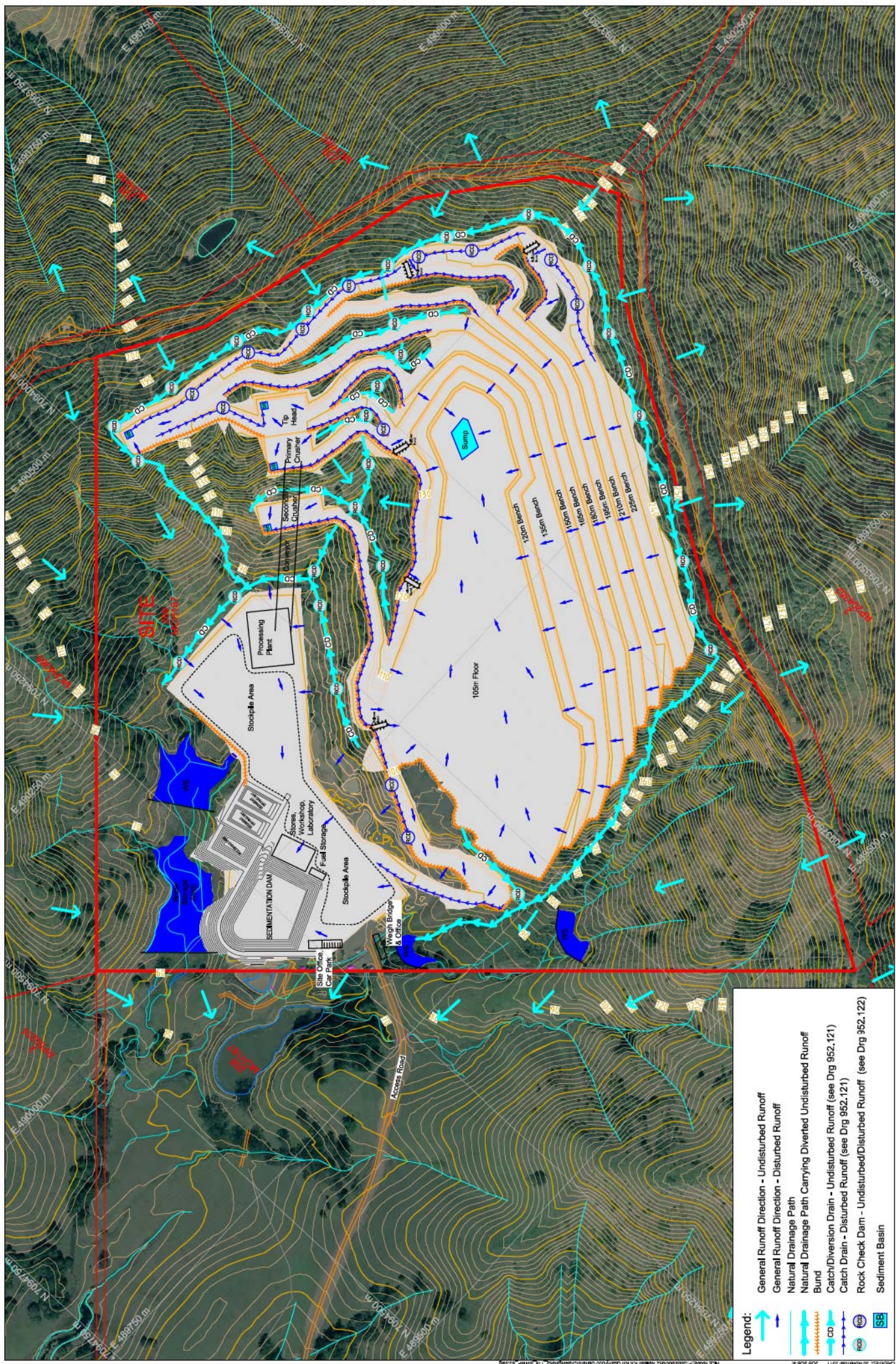


Figure 7C - Stormwater, Sediment and Erosion Control Plan - Stage 3

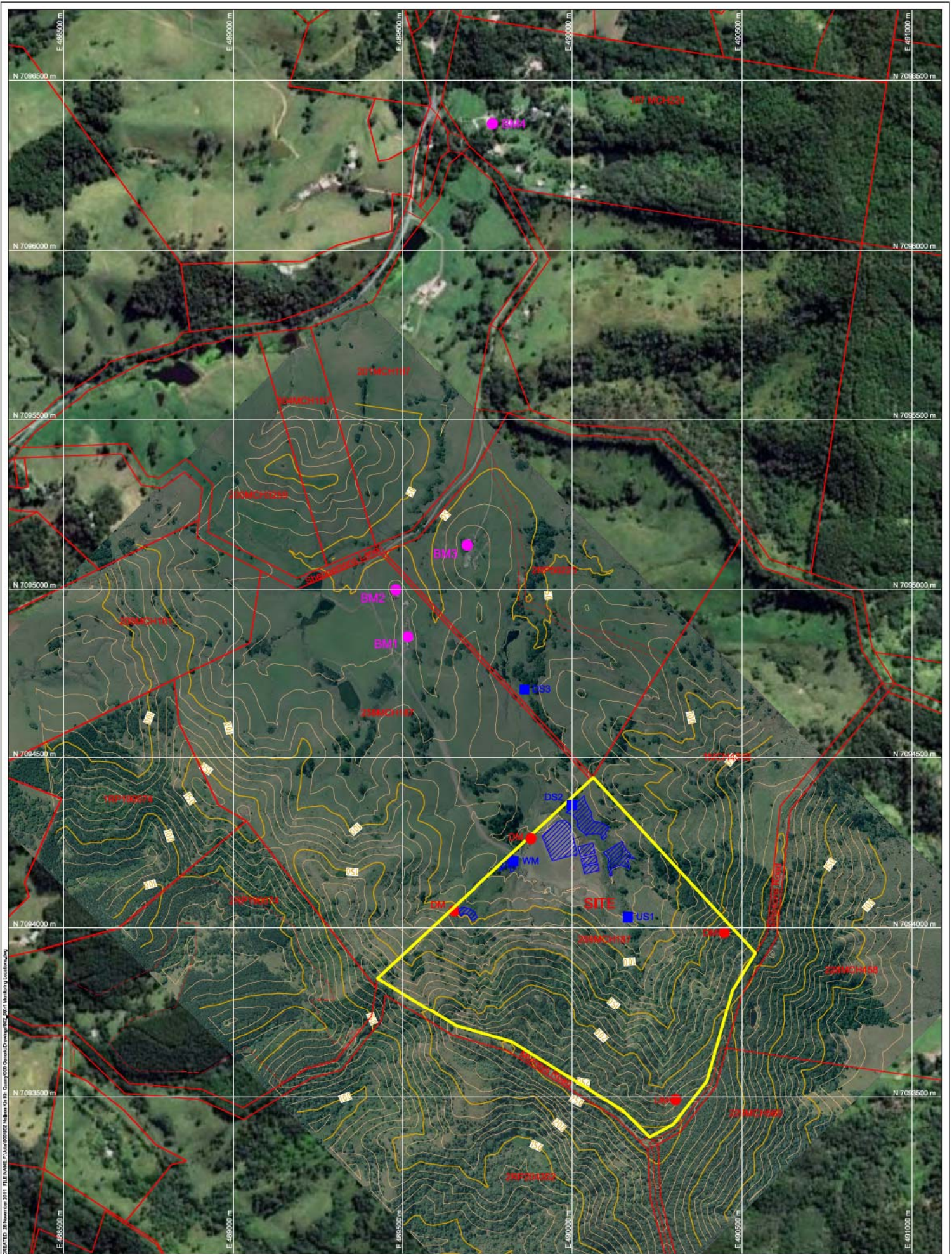
**Kin Kin Quarry**  
**Neilsens Quality Gravels Pty Ltd**



NO.	DESCRIPTION	DATE	BY
1	Issue for Approval	11 September 2011	[Signature]
2	Issue for Approval	16 February 2011	[Signature]
3	Issue for Approval	11 September 2011	[Signature]

PROJECT: Kin Kin Quarry  
 CLIENT: Neilsens Quality Gravels Pty Ltd  
 DRAWING NO: 952.118  
 SCALE: 1:4,000  
 DATE: 30 November 2011  
 DRAWN: [Name]  
 CHECKED: [Name]  
 PRINTED: 30 November 2011  
 PROJECT MANAGER: [Name]  
 DESIGNER: [Name]  
 ENGINEER: [Name]  
 SURVEYOR: [Name]  
 PHOTOGRAPHER: [Name]  
 CONSULTANT: [Name]





DATE: 28 November 2011 FILE NAME: I:\projects\2010\Kin Kin Quarry\2011\Ground\Drawings\Fig 8 - Monitoring Locations.dwg  
 PROJECT: Kin Kin Quarry  
 DRAWING: Figure 8 - Monitoring Locations  
 SCALE: 1:110,000  
 DATE: 28 November 2011  
 DRAWING: 08/11/2011  
 CHECKED: [ ]  
 PRINTED: 28 November 2011  
 CHECKED: [ ]

REV	DESCRIPTION	DATE	BY
LT	LT	LT	LT
1	Updated Area and Topographic data	20111117	LT

- Legend:**
- Blast Monitor Locations
  - WM Water Monitoring Locations
  - DM Dust Monitoring Locations

PROJECT: **Kin Kin Quarry**  
 CLIENT: **Neilsens Quality Gravels Pty Ltd**

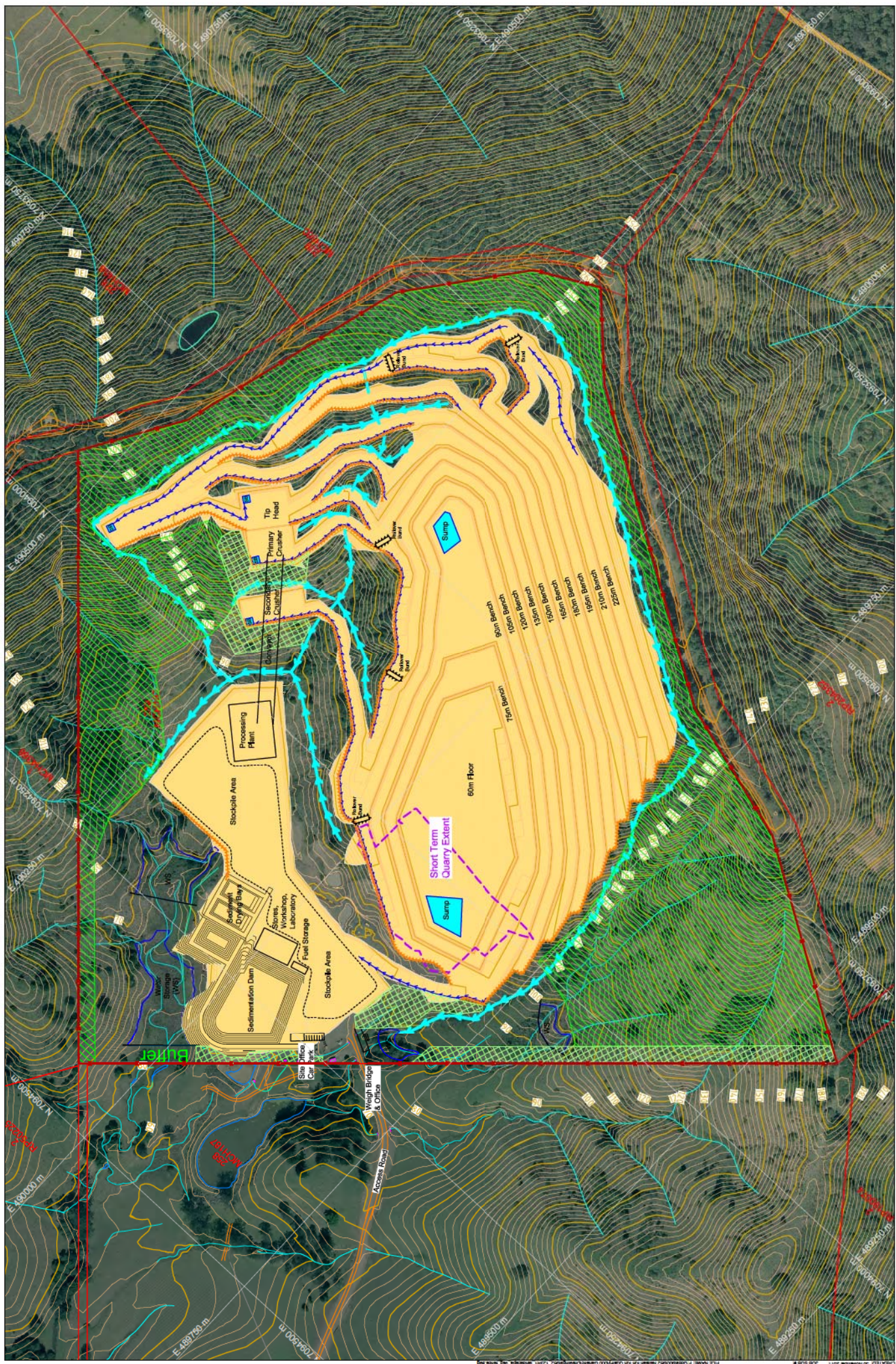
**GROUNDWORK plus**  
 PHONE: +61 7 3871 0411  
 WWW.GROUNDWORK.COM.AU

**Figure 8 - Monitoring Locations**  
 SCALE: 1:110,000  
 DRAWING NUMBER: **952.093**  
 REVISION: **1**

DATE: 28 November 2011  
 DRAWING: 08/11/2011  
 CHECKED: [ ]  
 PRINTED: 28 November 2011  
 CHECKED: [ ]

DATUM: HORIZONTAL / VERTICAL / ZONE  
 MGA / / 98

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 WITHOUT THE WRITTEN PERMISSION OF GROUNDWORK PLUS.



**Figure 9 - Landscape, Vegetation and Fencing Plan**

**Kin Kin Quarry**  
**Neilsens Quality Gravels Pty Ltd**

**Legend:**

- Perimeter Fence
- Undisturbed Runoff
- Disturbed Runoff
- Bund
- Undisturbed Vegetation
- Landscaped Areas (dense planting)
- Query Operating Area

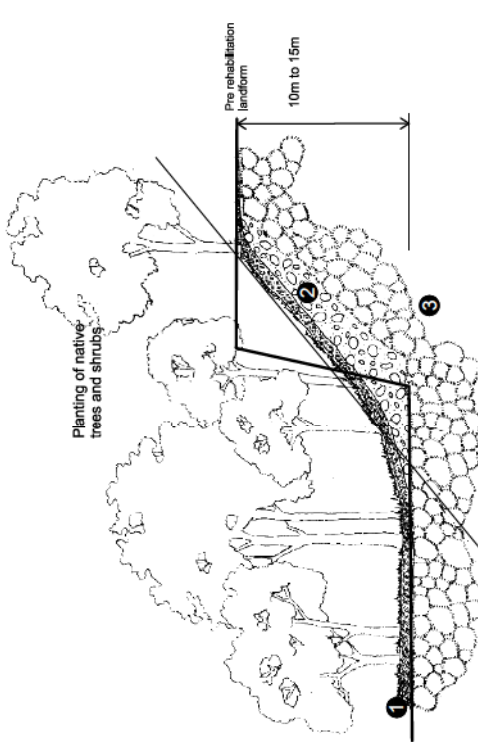
REV	DESCRIPTION	DATE	BY
1	Final Assessment of Undisturbed Runoff in Southern Location	07/03/18	BE

Drawn by: **Bevan**  
 Checked by: **Bevan**  
 Date: **11 September 2017**  
 Scale: **1:4,000**  
 Drawing Number: **952.123**  
 Revision: **1**

Project: **Kin Kin Quarry**  
 Client: **Neilsens Quality Gravels Pty Ltd**  
 Date: **11 September 2017**  
 Scale: **1:4,000**  
 Drawing Number: **952.123**  
 Revision: **1**

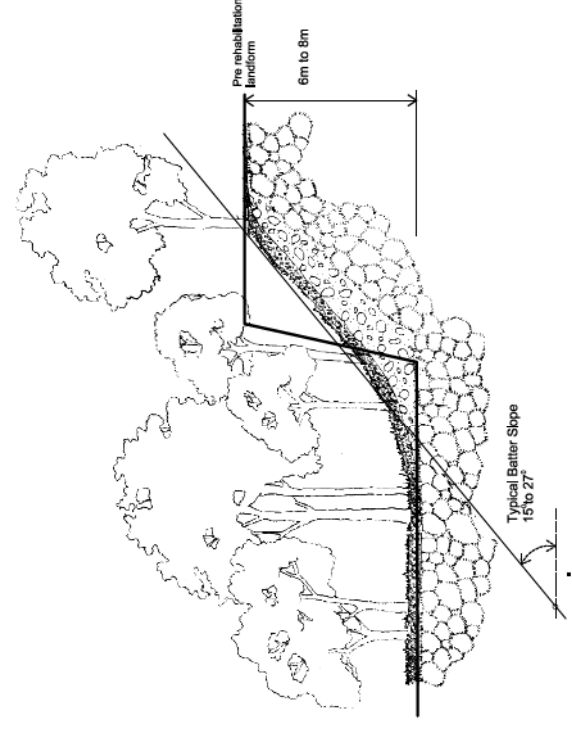
Drawn by: **Bevan**  
 Checked by: **Bevan**  
 Date: **11 September 2017**  
 Scale: **1:4,000**  
 Drawing Number: **952.123**  
 Revision: **1**



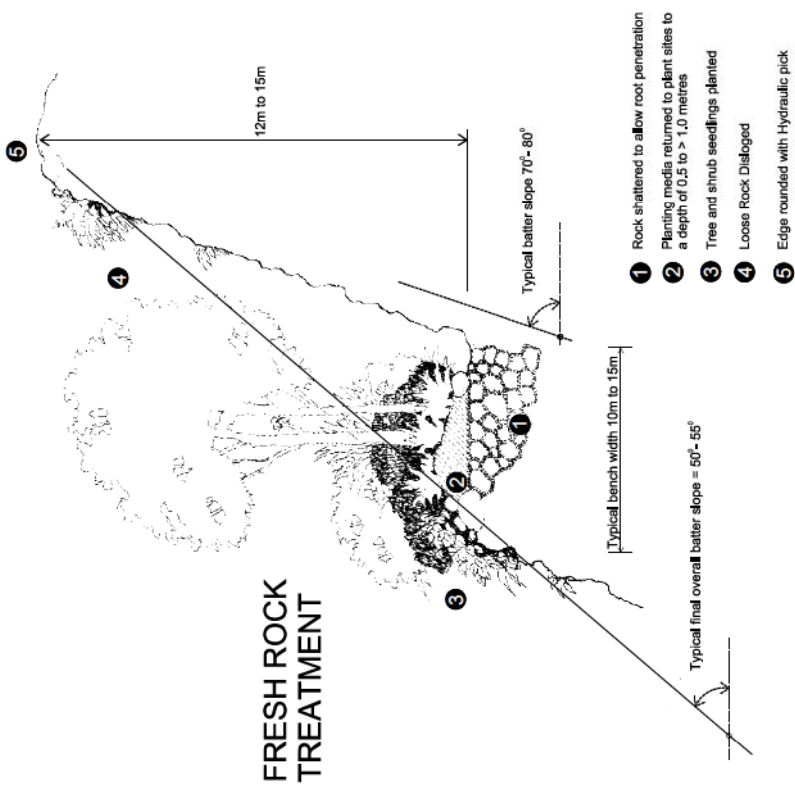


- 1 Reclaimed planting media applied to each bench
- 2 Shot rock from Final Blast Shot
- 3 Pre-existing sub-strata

**HIGHLY TO MODERATELY WEATHERED ROCK TREATMENT**



**COMPLETELY WEATHERED ROCK**



- 1 Rock shattered to allow root penetration
- 2 Planting media returned to plant sites to a depth of 0.5 to > 1.0 metres
- 3 Tree and shrub seedlings planted
- 4 Loose Rock Dialoged
- 5 Edge rounded with Hydraulic pick

**FRESH ROCK TREATMENT**

Legend:

NO.	DESCRIPTION	DATE	BY

PROJECT: Kin Kin Quarry  
 CLIENT: Neilsen's Quality Gravels Pty Ltd

Figure 11 - Batter Treatments



