

**SETPLAN SETTLEMENT PLANNING SERVICES**  
 PO Box 3405 Cape Town 8000  
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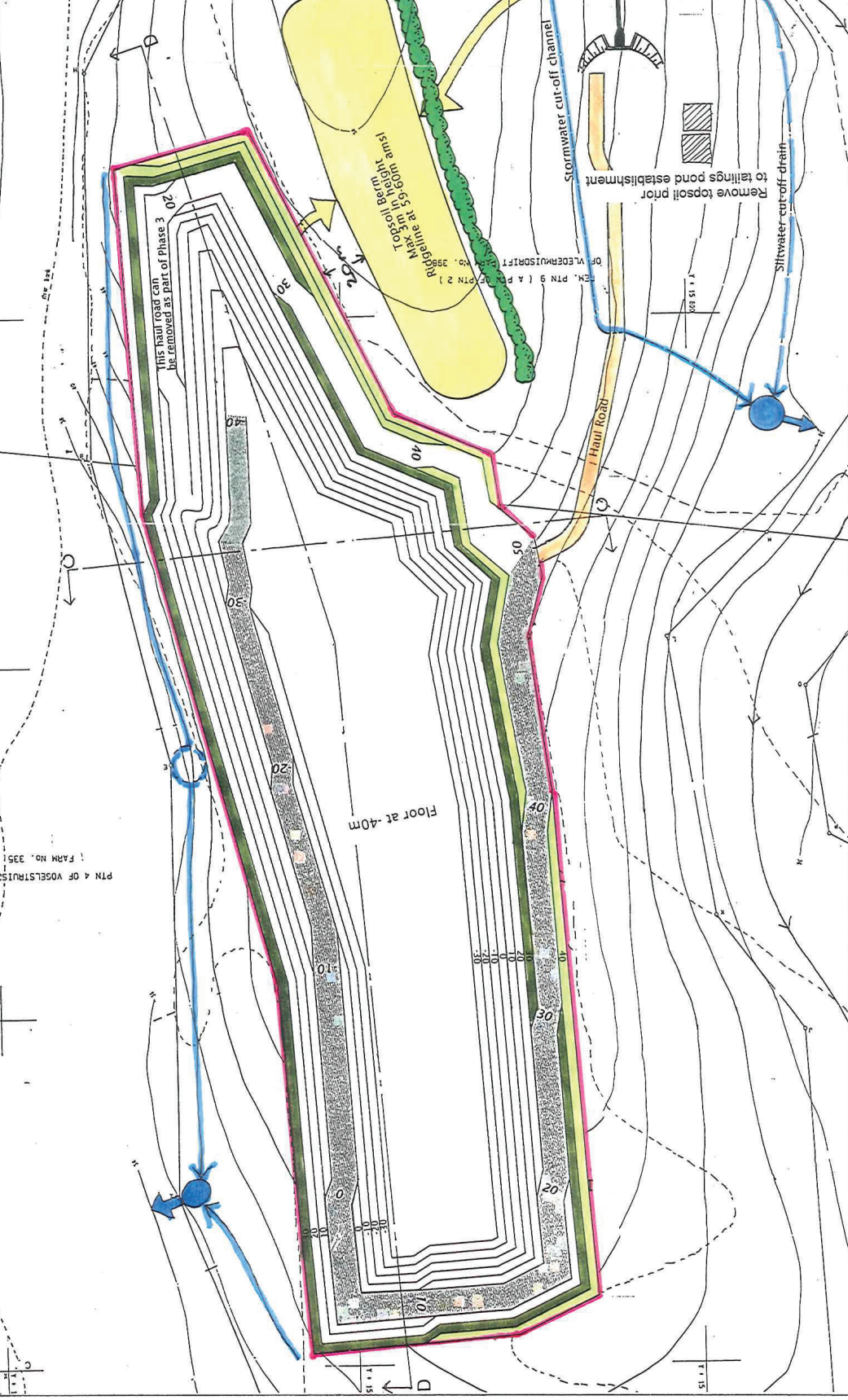
**LIME SALES LTD.**  
 PO Box 160 Milnerton 7435  
 Tel: (021) 52 3090 Fax: (021) 561 3761

BRIDGETOWN DOLOMITE QUARRY - MOORREESBURG  
**ESTABLISHMENT & OPERATIONAL REHABILITATION - NORTHERN SECTION**

Date: Jan 1997  
 Scale: 1:2 500  
 Fig No: 7a

0 25 50 75 100 125m







NORTH



- NORTHERN SECTION - ESTABLISHMENT AND OPERATIONAL REHABILITATION**
- Construct delivery road
  - Remove topsoil to berm (from plant area)
  - Construct plant
  - Dig stormwater cut-off channels
  - Dig silt-water cut-off drains
  - Construct silt retention pond
  - Initiate screenplanting in all areas as shown
  - PRE-PHASE 1 MINING**
  - Alert botanical interest group to remove any preservation worthy vegetation before removing any topsoil
  - Construct haul road to proposed adit
  - Remove topsoil to topsoil berm for about 30m ahead of mining
  - Prepare overburden dump by removing topsoil to berm and implementing stormwater control management system around the overburden dumping area
  - PHASE 1 MINING**
  - Continue removing topsoil 30m ahead of mining
  - Leave bench level 30m say 9m wide to act as reed bed when flooding of the excavation takes place
  - DURING AND AFTER PHASE 2 MINING**
  - Initiate upper bench trimming (centre perimeter) as per para 6.1.
  - Initiate planting of upper benches to level 30m (western benches only) as per para 6.1 OR.....
  - push overburden over the western faces to level 30m as per photo 15

PTN 4 OF VOGELSTRUIS FARM NO. 355



-  Complete rehabilitation of upper western benches by either topsoiling and planting as per para 6.1 OR pushing overburden over edges of the excavation to the proposed flood level. Internal haul roads must be topsoiled and grassed
-  Advance bench level 30m into Mlsvestrand and....
-  Dam at two places (to allow circulation)
-  allow excavation to flood.
-  Leave wider bench at level 30m to form redbed around entire flooded area
-  Remove plant and footings. The entire plant and stockpiling area (presently on scarified and planted with a seed mix to the farmers preference.
- Note:** In areas where Renosterveld is present before mining, all hardened areas are to be ripped, topsoiled and revegetated with Renoster-veld mulch.
- All buildings not required by the farmer are to be demolished and their foundations removed. All hardened areas (incl. roads not required by the farmer) are to be ripped, topsoiled, scarified and planted with a seed mix as specified by the farmer
- Complete rehabilitation of overburden waste heap as described in para 6.3
- \* Refer para 6.3 for details

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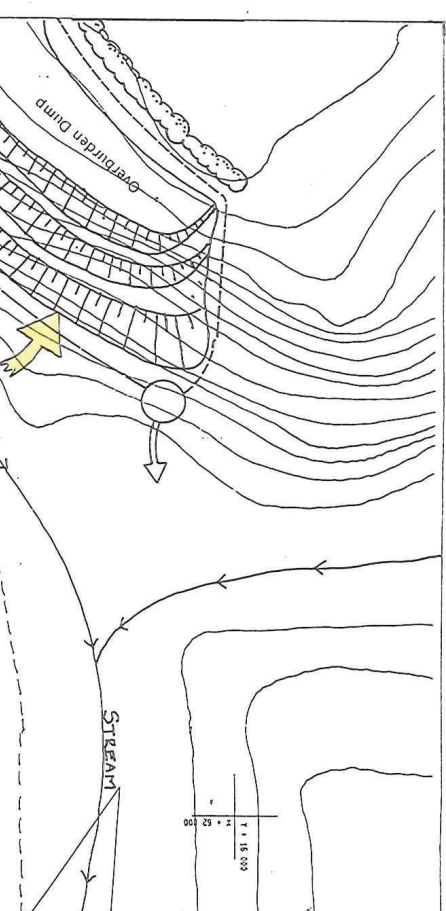
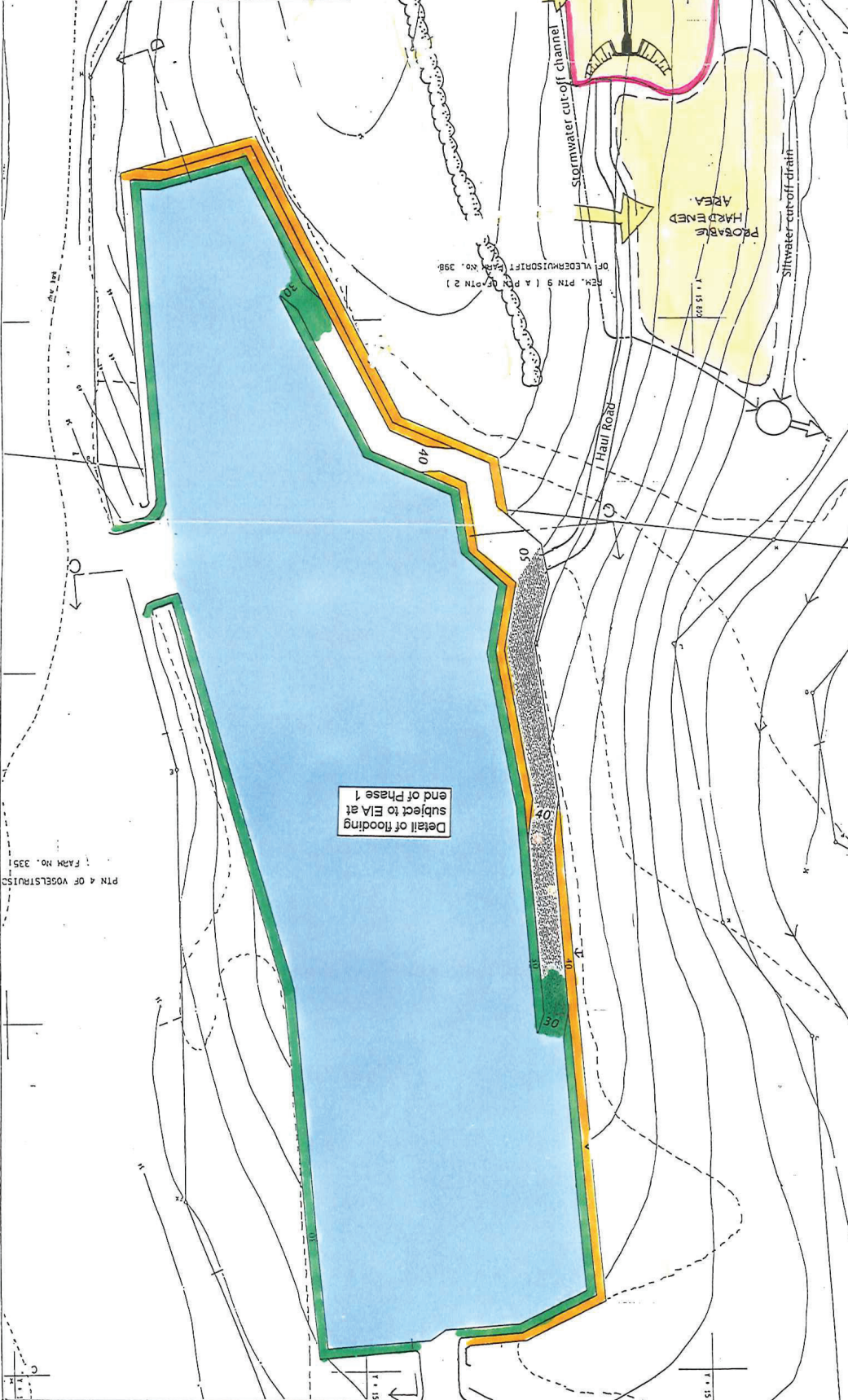
**BRIDGETOWN DOLOMITE QUARRY - MOORREESBURG**

**DECOMMISSIONING REHABILITATION**

**NORTHERN SECTION**

Scale: 1:2 500  
Fig No: 7b

NORTH



**section**  
SETTLEMENT PLANNING SERVICES

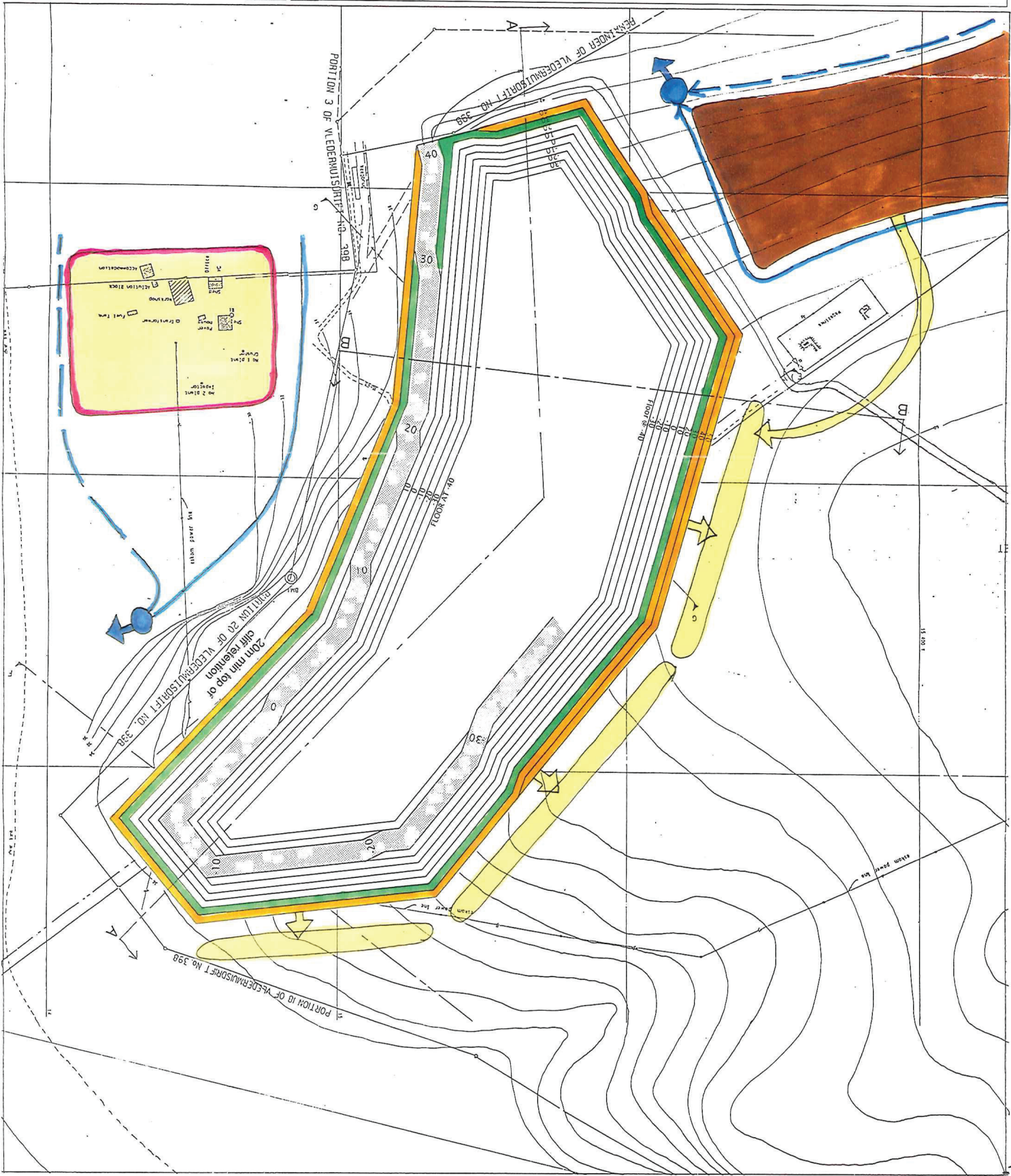
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BRIDGETOWN DOLOMITE QUARRY - MOORESBURG

**ESTABLISHMENT & OPERATIONAL REHABILITATION - SOUTHERN SECTION**

Date: Jan 1997  
Scale: 1:2 500  
Fig No: 76



**SOUTHERN SECTION - ESTABLISHMENT AND OPERATIONAL REHABILITATION**

- PHASE 1 MINING**
- Dig stormwater cut-off channels
  - Dig silt-water cut-off drains
  - Construct silt retention pond
  - Remove topsoil to topsoil berm for about 30m ahead of mining
  - Prepare overburden dump by removing topsoil to berm and implementing stormwater control management system around the overburden dumping area
  - Continue removing topsoil 30m ahead of mining
- DURING PHASE 2 MINING**
- Leave bench level 30m say 9m wide to act as reed bed when flooding of the excavation takes place
  - Remove plant, footings, buildings and foundations. (Plant will be relocated to northern section). All resultant hardened areas are to be ripped topsoiled, scarified and seeded according to the farmers preference.
  - Initiate upper bench trimming (entire perimeter)
  - Initiate planting of upper benches to level 30m (Western benches only) as per para 6.1 Orpush overburden over the western faces to level 30m as per photo 15



**seplan** SETTLEMENT PLANNING SERVICES  
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BRIDGETOWN DOLOMITE QUARRY - MOORREESBURG  
**DECOMMISSIONING REHABILITATION**  
**SOUTHERN SECTION**

Date: Jan 1997 Scale: 1:2 500 Fig No: 7d

0 25 50 75 100 125m

NORTH

SOUTHERN SECTION - DECOMMISSIONING REHABILITATION

Complete rehabilitation of upper western benches by either topsoiling and planting as per para 6.1 OR pushing overburden and topsoil over edges of the excavation to the proposed flood level. Internal haul roads must be topsoiled and grassed

Advance bench level 30m<sup>2</sup> into Misyersstrand Dam at two places (to allow circulation) and....

allow excavation to flood.

Leave wider bench at level 30m to form rebedded around entire flooded area

Plant will have been removed and the area rehabilitated prior to the end of phase 2



All hardened areas (incl. roads not required by the farmer) are to be ripped, topsoiled, scarified and planted with a seed mix as specified by the farmer

Complete rehabilitation of overburden waste heap as described in para 6.3

\* Refer para 6.3 for details

