SASOL – SYFERFONTEIN COLLIERY
PLAN OF SPANDOW CENTRAL DECLINE ROADS – POTENTIAL TRIAL SITE FOR FLEXIBLE BOLT SYSTEM

NOT TO SCALE

FIGURE 6.1
BCCOL704L.ppt
SASOL – SYFERFONTEIN COLLIERY
CROSS SECTION THROUGH SPANDOW CENTRAL DECLINE ROADS – POTENTIAL TRIAL SITE FOR FLEXIBLE BOLT SYSTEM

NOT TO SCALE
TWISTDRAAI CENTRAL COLLIERY
SECTION 71, SITE LOCATION

FIGURE 6.3
SKETCH CROSS SECTION SHOWING POSITION OF FLEXIBLE BOLT TRIAL ZONE IN RELATION TO GEOLOGY
FIGURE 6.6

Estimated encapsulation 4.8m approximately

3 x 750mm slow set capsules

Approximately 4m of resin encapsulation

Chuck adaptor

Drill Arm

Original Specification

Specification adopted during trial

FLEXIBLE BOLT AND FASLOC HS RESIN INSTALLATION SPECIFICATION
FIGURE 6.7
SASOL - TWISTDRAAI CENTRAL
4 SEAM - 71 SECTION, ROAD 1
SKETCH SURVEY OF SUPPORT LAYOUT IN – FLEXIBLE BOLT TRIAL ZONE

ROAD 1

ROOF PLAN

Rotary Telltale 1
Rotary Telltale 2
Mesh Straps
Plumb Bob Telltale 3
Plumb Bob Telltale 4
Failed installation (replaced)

Sonic Exto No.1
Sonic Exto No.2

Rock Bolts
Flexible Bolts
Dyke
Face of Heading
ROOF PLAN

SASOL - TWISTDRAAI CENTRAL
4 SEAM - 71 SECTION, ROAD 2

SKETCH SURVEY OF SUPPORT LAYOUT IN – CABLE ANCHOR TRIAL ZONE
TWISTDRAAI, SECTION 71, FLEXIBLE BOLTED ROAD DRILLING AND INSTALLATION
TWISTDRAAI, SECTION 71, ROADWAY 1 – FLEXIBLE BOLTED ROAD
Twistdraai section 71, No.2 Dyke Wall and Right Support.
South African Cable Anchors

Twistdraai section 71, No.2 Road, Cable Anchors Through Mesh Straps

Twistdraai section 71, No.2 Road,
Showing Roadway Profile

TWISTDRAAI, SECTION 71, CABLE ANCHORED ROAD