Top soiling on the side slopes should be 100mm in depth.

Long term the root system of the vegetation should keep the topsoil in place with the application of Posi-Seeding. The Posi-seeding will minimize surface water erosion.

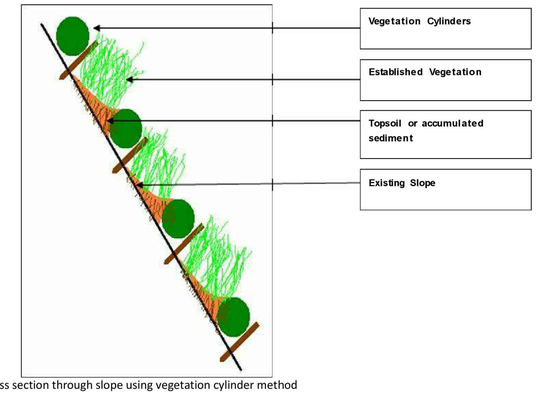
Specifications:

- Fast growing economical spray application.
- Offers immediate erosion protection
- Rapidly establishes vegetation.
- Excellent adhesion to all soil types and slope angles.
- Can seed all year long.

Additionally to this the use of vegetation cylinders on the steep embankments will be included.Vegetation cylinders are netlon tubes usually filled with an organic material e.g. wood chips. The cylinders are used to retain soil where embankments are steep.

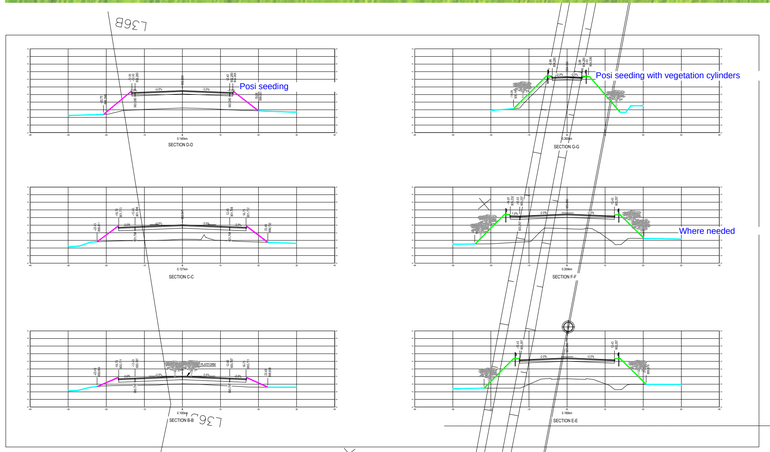
Specifications:

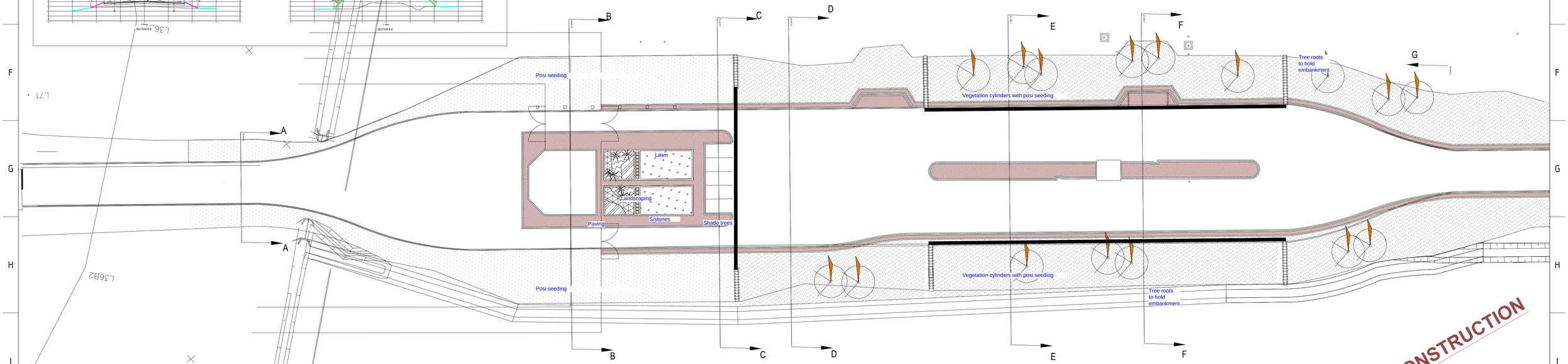
- The cylinders are filled and then fixed to the slope horizontally (with wooden stakes & wire) forming rows, 1 (one) meter apart.
- Topsoil is then placed between the cylinders.
- The slope can then be scarified, ameliorated and hydroseeded.



Cross section through slope using vegetation cylinder method

Picture showing vegetation cylinders in use at the DRA Everest-South Mine on extremely hard rocky embankment.





FOR CONSTRUCTION

PLAN

SCALE 1:350

LANDSCAPING LEGEND (Scale 1:350)

Tree Type 1: *Terminalia sericea.*

Tree Type 2: *Acacia nigrescens.*

Selected Aloe and perennial bulb species interplanted

Planting Type 1: Formal Garden Planting: *Scabiosa africana, Asystasia gangetica, Barleria obtusa & repens, Sutera grandiflora, Carissa edulis.*

Planting Type 2: Groundcover planting: *Gazania rigens, Dymondia margaretae, Hemizygia transvaalensis, Felicea muricata, Barleria affinis & macrostegia.*

Planting Type 3: Shrub mix - Aloes and sedges: *Chondropetalum tectorum, Aloe greatheadii var davyana, Aloe chabaudii, Aloe striata, Cotyledon orbiculata.*

Planting Type 4: Kweek, Cynodon dactylon

Planting Type 5: Veldgrass - 50% Hydroseeding mix (*Eragrostis tef, Eragrostis curvula, Digitaria eriantha, Chloris gayana, Panicum maximum, Cynodon dactylon, Dactylis glomerata*); 35% Mayford Meadow mix; 15% *Cynodon dactylon.*

Vegetation cylinders with posi seeding

Paving: See roads drawing

PLANTING OF SHRUBS & GROUNDCOVERS SPECIFICATION

1. Supply all equipment and labour for planting of shrubs and groundcovers.
2. All Plant material (plants, and shrubs etc) shall be obtained from a registered nursery and shall be free from damaged parts. Parasites, fungus, other plant diseases or insects. No container-bound plants will be acceptable.
3. All plants must be transported to the site in trucks with closed canopies. Plants in transit may not be exposed to wind or any other harmful elements.
4. All plants are to be viewed and approved by the Landscape Architect before planting. Keep all plants moist.
1. Planting sizes will be enforced. Replace all dead plants free of charge. Plants need to be installed as per plans. All plants to be planted in a grid pattern/ Diamond pattern in perfectly straight lines.
2. Backfill with soil, compost and fertilizer to specification and tramp down firmly.
3. Remove all surplus soil to be spoilt on site as indicated by the Landscape Architect.
4. Shrubs and groundcovers shall meet the requirements for height and spread as specified. Thin or sparsely-branched plants shall not be accepted. Branches shall be well-spread with ample young branches and the plant as a whole shall be growing well.
5. The contractor to provide all the necessary machinery, labour, transport and material to plant the lawn.

NOTES:

1. Contractor to check and verify sufficiency of information, levels and dimensions on drawing before commencing work.
2. Report any omissions, discrepancies or errors immediately to the landscape architects.
3. Do not scale dimensions from drawing.
4. Should the contractor proceed without the above approval, he does so entirely at his own risk.
5. Soil to be shaped to assist drainage.
6. All images are of mature established plants. All planting to be planted as per specifications in bills of quantities. Client to ask for plant samples if unsure about plant sizes specified.
7. All photos are shown as inspirational concept images and as such do not indicate the final products.

TRUE NORTH

GRID NORTH

REV	DATE	INDEX REFERENCE: ** REVISION **	REV BY	CHKD BY	AUTH BY	KKS APP	REFERENCE DRAWINGS
-	-	-				-	-
2	11/03/19	FOR_CONSTRUCTION	FS	FVR	WGB		
1	24/11/17	FOR_TENDER	FS	FVR	WGB		

ORG REGISTER	- - -	-	AUTHORISED FOR ESKOM BY / DATE
DESIGN APPROVED	11 03 2019	-	WG_BEETGE 11/03/2019
KKS APP	- - -	-	
DO AUTH	- - -	-	
CHKD BY	11 03 2019	-	
DRAWN BY	11 03 2019	FS	
SCALE	AS_SHOWN		

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Eskom Enterprises

MEDUPI_POWER_STATION
GATE_4_AND_WEIGH_BRIDGE
LANDSCAPE_PLAN
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-

EMW - AE - 001

0.84 / 53813

SHEET 1 REV 2

SIZE GROOTTE A1L