


## COORDINATES FOR THE PROJECT AREA:



Suitable materials are needed for the construction of the selected layer, subbase, shoulder, gravel wearing course and base course. Fill material is also required to ensure a vertical alignment appropriate for the chosen design speed.

To achieve the abovementioned, suitable material is required from borrow pits. These pits are opened using various heavy-duty machines and the material is hauled from the pit to the required sections of the road where the material is needed. It is imperative that the material excavated complies with the engineering standards required for the construction of the road and is therefore tested on a regular basis.

Another important issue is hauling distance. The borrow pits cannot be situated too far from the section of the road where the material is needed, therefore borrow pits cannot be located too far apart (incurring costs due to hauling).

There are on three borrow pits that will be used during this project. Bothe of these pits are existing and will be fully rehabilitated according the ESMP requirements:

| Nr. | Coordinates                  | Area m <sup>2</sup> | Picture   |
|-----|------------------------------|---------------------|---|
| 1   | 17° 59.738 S<br>19° 49.981 E | 32 700              |  |

|          |                                      |               |   |
|----------|--------------------------------------|---------------|---|
| <p>2</p> | <p>17° 53.472 S<br/>19° 49.038 E</p> | <p>38 126</p> |   |
| <p>3</p> | <p>17° 53.147 S<br/>19° 52.213 E</p> | <p>48 885</p> |  |