



PUMPSTATION 8 & 10 - ADDITIONAL SCOPE OF WORK

PUMPSTATION 08

1. PUMPSTATION 8B

- a. Excavation, removal & disposal of existing rusted discharge pipes.
 - Excavation depth is at least 3m.
 - Pipe will only have one bend as upstream section now decommissioned.
 - Area to be paved upon completion using existing paving onsite.

Fig. A. Existing pipe to be replaced



- Discharge pipe starts at this point until the excavated portion of the pipe shown in Fig A.
- **NOTE:** Installation of a new hoist and crawler was discussed onsite. To contain costs this item will not be supplied under this project. (Do not quote for the Hoist!!)

Fig. B.



- c. Fabrication and Installation of new 250mm stainless steel 316 discharge pipework, ball type non-return valve, knife gate valve with couplings. Fig. D. (DWS Specifications apply)
- d. Casting of thrust blocks and backfilling.
- e. Installation of Guardrail above geo lock retaining wall. (Safety measure for vehicle barrier). Paving to be removed and re-instated after timber posts installation.
 - Distance is 50m.
 - Timber Post - 1.8mx150x175mm
 - Guardrail - Galv 3.810M x 2.6MM
 - Include all necessary accessories and reflector for visibility.

Fig. D: Manhole for installation of NRV, knife gate valve



2. Pumps

a.

b.

at dry

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Physical address:

522 Impala Rd

Dikole Section, Johannesburg South, 2058

- Black Powder Coated.
- Coated Wire Diameter **3,5mm**
- The area is 3.5m wide and 2.3m high, therefore height of fence may be set at 1.8m height.

3. Emergency dam

- a. Installation of fine stainless-steel rake screen
 - Rectangular screen 2m X 1.2m

4. General

- a. Tree felling & disposal around pumpstation and emergency dam.

QUANTITY AND DIMENSIONS OF TREES TO BE CUT & TRIM AT
PUMP STATION 08.

1. 700MM X 8M
2. 1,4M X 12,5M
3. 800MM X 7M
4. 1,9M X 9M
5. 900MM X 8M
6. 700MM X 8M
7. 1,7M X 9M
8. 2.5M X 12M
9. 600MM X 5M
10. 1,7M X 9M
11. 900MM X 12M
12. 700MM X 8M
13. 2.6M X 14M

TREES TO BE CUT NEAR EMERGENCY DAM

14. 2.8M X 20M

TREES TO BE TRIMED /PRUNED NEAR EMERGENCY DAM

15. 700MM X 8M
16. 700MM X 8M

17. 700MM X 8M

18. 700MM X 8M

DUMPING
CLEANING

PUMPSTATION 10

1. Discharge manhole
 - a. Installation of stainless-steel 2.8mx2.1m air gratings with access hatch and support.
 - b. Installation of stainless-steel access cat ladder with hand bar & back rest.
 - Existing steps to be removed/cut out.
 - Depth of manhole is 4.3m.
 - c. Installation of clear view fencing and gate to access inlet works screens.
 - Black Powder Coated
 - Coated Wire Diameter **3,5mm**
 - Insert 2 lockable sliding gates 2.4m x 1.0m
 - Distance from the wall along the concrete slab floor is 8.1m and from the corner of the slab to the end wall it's 1.5m. Total length of the fence (including gates) will be 9.6m.
 - Height is 3.5m

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NB: OHS SAFETY FILE COST TO BE INCLUDED IN THE PROJECT. LINE ITEM TO BE ADDED. THIS WILL COVER HEPATITIS INJECTIONS, AND STANDARD OHS REQUIREMENTS.

Furthermore, Add Line for Contingency Budget 10% for unforeseen inclusions.