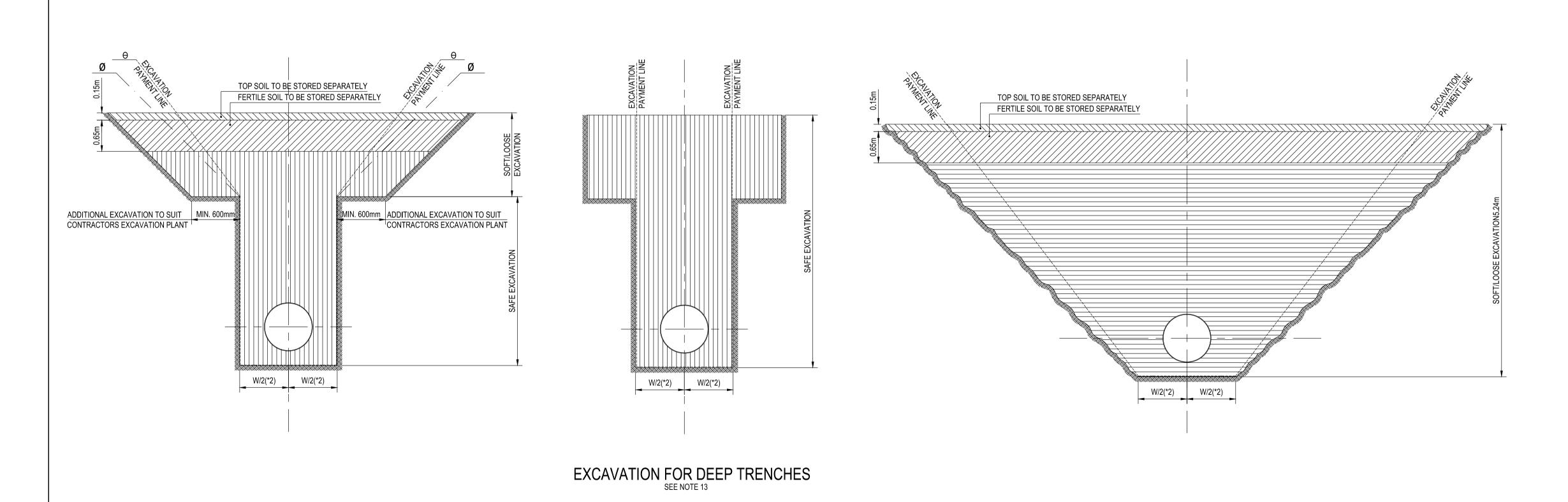


EXCAVATION FOR SHALLOW TRENCHES

SEE NOTE 12



NOTES:

SPECIFICATION.

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

SAME POSITION UPON BACKFILLING OF THE PIPE TRENCH.

TO PROPOSED TYPICAL SERVITUDE DRAWINGS.

CONDITIONS AND GEOTECHNICAL PARAMETERS.

CONSTRUCTION SERVITUDE.

LEGEND:

UPON BACKFILLING OF THE PIPE TRENCH.

2. THE TRENCH WIDTH W FOR THE PIPELINE IS DEFINED IN THE PROJECT

3. REFER TO LONG SECTION DRAWINGS FOR DEPTH OF COVER OVER THE PIPE.

4. THE TOP 150mm OF SOFT EXCAVATION IS REGARDED AS TOPSOIL AND SHALL BE EXCAVATED AND STORED SEPARATELY AND REINSTATED IN THE SAME POSITION

5. SOFT EXCAVATION BETWEEN 150mm AND 800mm DEPTH IS REGARDED AS FERTILE SOIL AND SHALL BE EXCAVATED AND STORED SEPARATELY AND REINSTATED IN THE

6. REFER TO PROJECT SPECIFICATIONS FOR THE CLASSIFICATION OF SOFT AND HARD

7. SOFT EXCAVATION TO BE REUSED MAY BE STORED ALONG THE TRENCH INSIDE THE CONSTRUCTION SERVITUDE WHERE THERE IS SUFFICIENT SPACE AVAILABLE. REFER

8. HARD EXCAVATION SHALL BE REMOVED FROM SITE TO DESIGNATED SPOIL SITES

IMMEDIATELY AFTER BEING EXCAVATED AND WILL NOT BE STORED WITHIN THE

9. FOR PAYMENT PURPOSES, THE QUANTITY OF EXCAVATION WILL BE CALCULATED TO THE SLOPE θ AS GIVEN IN THE PROJECT SPECIFICATIONS. THE SLOPE θ WAS BASED ON THE DEEMED SAFE EXCAVATION SLOPE, DETERMINED IN TERMS OF KNOWN GEOTECHNICAL CONDITIONS AND PARAMETERS AT THE TIME OF TENDER.

10. THE TRENCH EXCAVATION SHALL BE EXCAVATED TO THE SAFE EXCAVATION SLOPE AS DETERMINED ON SITE AND BASED ON AN ASSESSMENT OF THE KNOWN EXISTING

11. FOR PAYMENT PURPOSES, ANY ADDITIONAL EXCAVATION (WHETHER POSITIVE OR NEGATIVE), BETWEEN THE SLOPES Θ AND \emptyset WILL NOT BE CONSIDERED.

12. WITH RESPECT TO THE MECHANICAL EXCAVATION OF PIPE TRENCHES, A SHALLOW

14. SAFE EXCAVATION IS EXCAVATION IN A MATERIAL THAT CAN BE EXCAVATED WITH VERTICAL SIDE SLOPES AND THAT WILL IN THE LONG TERM BE SAFE AGAINST

TRENCH IS DEFINED AS A TRENCH WITH A MAXIMUM DEPTH OF 3,50m.

13. A DEEP TRENCH IS A TRENCH THAT IS DEEPER THAN A SHALLOW TRENCH.

COLLAPSE OR ANY OTHER FORM OF GEOTECHNICAL INSTABILITY.

NOTE REFERENCE

— · — SAFE SLOPE EXCAVATION LINE

EXCAVATION PAYMENT LINE

15. THE THICKNESSES OF THE TOP SOIL AND FERTILE SOIL ARE NOMINALLY AS INDICATED ON THIS DRAWING, BUT VARIES ALONG THE PIPELINE.

ALL LEVELS IN METRES ABOVE SEA LEVEL (mASL) UNLESS OTHERWISE STATED.

MOGALAKWENA **BULK WATER AUGMENTATION**

OPEN PIPE TRENCH

SCALE DRAWING No

|0276AA07D07|

SHEET

Rev No

1 OF 1 ON A1



2016/08/31 ISSEUD FOR TENDER

No. DATE

AMENDMENTS

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SIGNATURE:

DESIGN ENGINEER:



EMPLOYER:

TYPICAL DETAIL