

FOOD TERMINAL INCORPORATED
Taguig City

May 22, 2019

TERMS OF REFERENCE

- A. Project Name : Improvement of Storm Drainage Systems at Lots 55, 56
- B. Implementing Agency : Food Terminal Incorporated
- C. Location : Duhat Road, FTI, Western Bicutan, Taguig City
- D. Brief Description of the Project

The project is described as the engagement of a qualified contractor to supply labor, materials, tools and equipment and project supervision required to complete the Installation of a new drainage system located at Lots 55 and 56.

E. Objectives:

To construct a new drainage line that will connect to an existing drainage stub-out to address flooding and protect existing landscaped area located at the low-lying portions of Lots 55 and 56.

- F. Expected Completion Time : 3rd Quarter CY2019
- G. Project Estimated Cost : P1,498,318.73
- H. Registration particulars : General Engineering-1, Category: C & D, Small B
- I. Time Frame /project duration : 45 Calendar days
- J. Terms and Conditions
 - Terms of Payment : 15% Mobilization and Final Billing
 - Forms of Warranty : One (1) year warranty on materials and workmanship

K. Scope of Work:

1. Mobilization of equipment, manpower, materials, tools, and supervision.
2. Item 605, Construction of temporary field office and facilities, warehouse for materials and supply including installation of safety and directional signs, SPL-1, barricades.
3. Item 101(6), Cutting of existing asphalt pavement (2" thick)
4. Removal of existing pavement (asphalt and concrete).
5. Excavation for drainage line with a total length of 340 linear meters (see detailed plan).
6. Supply and laying of 300mmØ concrete pipes and application of concrete collar.
7. Backfilling and compaction.
8. Laying of 50mm thick gravel bedding.
9. Construction of concrete pavement with 0.10m thick concrete mix class "A", PCCP 3000 psi, 14 days, Length of 111.00 meters for portion A and concrete pavement for portion B with 0.15 m thick, concrete mix class "A", PCCP 3000 psi, 14 days, length of 169.20 meters.
10. Construction of 34 units drainage manhole
 - 10.1 Excavation.
 - 10.2 Footing, pouring of 100mm thick concrete mix (class A mixture) with

- 10.3 12mmØ deformed bar steel reinforcement spaced at 0.40m both ways
Laying of 100mm concrete hollow blocks with 12mmØ deformed bar
vertical steel reinforcement spaced at 0.60m and 2-12mmØ horizontal
deformed bar.
- 10.4 Concrete plastering.
- 10.5 Fabrication and installation of manhole cover using 5mm thick x 50mm
angular steel bar frame, 5mm thick x 50mm flat steel bar cover with 3-5/8"
diameter steel hinges (see detailed shop drawing)
- 10.6 Painting of steel cover (1 coat primer and 2 coats quick dry enamel paint).
11. Raise the height of the existing 2 units sewer manholes to level with the finished
elevation of the new drainage line.
12. Demobilization, all areas shall be cleared of all construction debris, garbage, and the
like and to be disposed of outside of FTI-SEZ.

Prepared by:



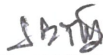
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