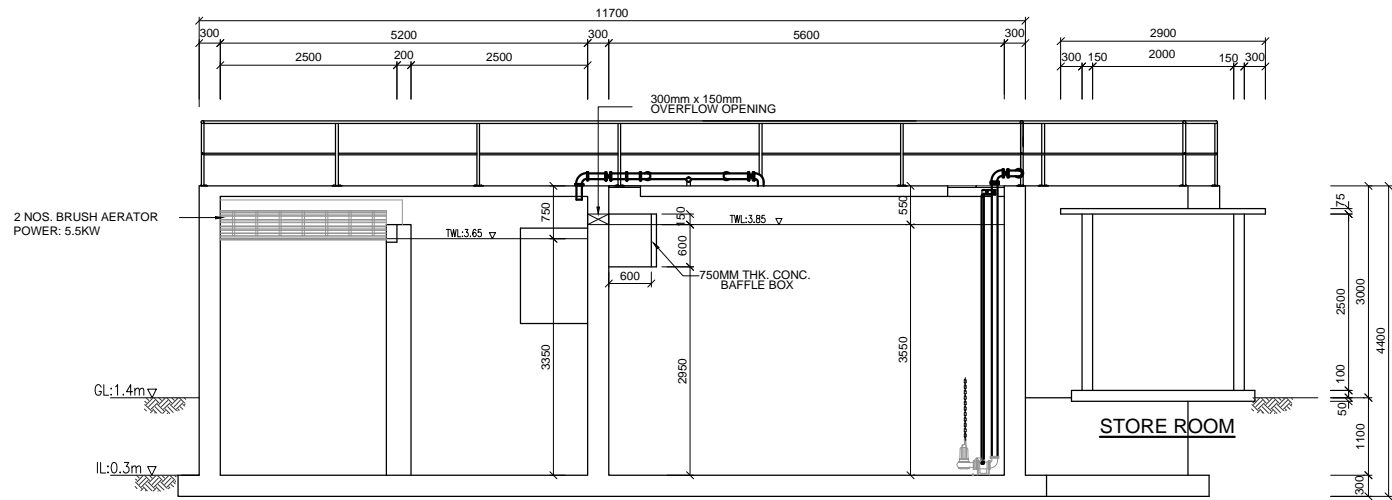


SEC. SCREEN, GRIT , DISTRIBUTION CHANNEL & GREASE CHAMBER

SECTION D-D

SCALE 1:100

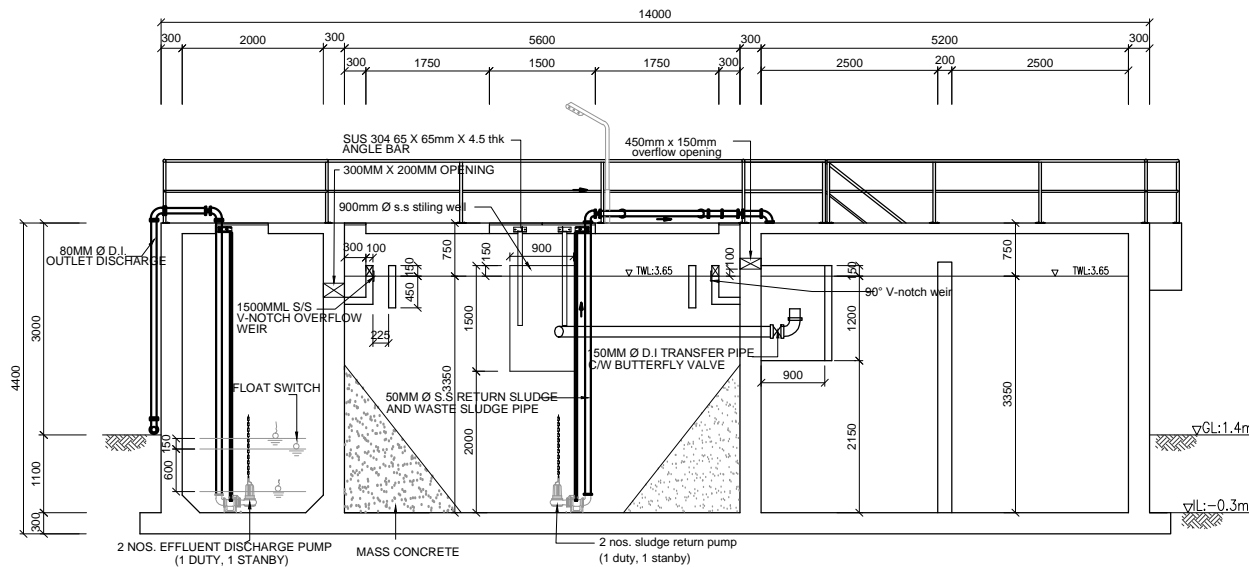


OXIDATION DITCH TANK

SECTION E-E

SCALE 1:100

HOLDING TANK



EFFLUENT DISCHARGE TANK

SECONDARY CLARIFIER

OXIDATION DITCH TANK

SECTION F-F

SCALE 1:100

NOTES:-

- 1- ALL DIMENSIONS ARE IN METERS.
- 2- SITE LEVELS ARE TO BE COORDINATED BY THE CONTRACTOR.
- 3- PUMPED LINES/ PRESSURE LINES TO USE HDPE PIPES.
- 4- CONTRACTOR TO PREPARE DETAILED DRAWING AND OBTAIN APPROVAL OF MEEW BEFORE START OF CONSTRUCTION.
- 5- LAYOUT OF COMPACT UNIT WASTE WATER TREATMENT PLANT FOR GADHDHOO ISLAND AVERAGE FLOW Q= 410m³/Day EXPANDABLE UPTO 700m³/Day.
- 6- SLUDGE STABILIZED, DIGESTED AND DISINFECTED FROM TANK (C) CAN BE PERIODICALLY (ONCE MONTHLY) PUMPED THROUGH EFFLUENT OCEAN DISPOSAL PIPE LINE.
- 7- IF RAW SEWAGE CAN BE PUMPED DIRECTLY TO SPLITTER BOX FROM LIFTING STATIONS, UNIT (C) COLLECTION WELLS CAN BE AVOIDED. (AS PER MANUFACTURES SPEC.)
- 8- ALL SITE LEVELS TO BE COORDINATED BY THE CONTRACTOR AND WRITTEN APPROVED FROM MEEW TO BE OBTAINED BEFORE START OF WORK.
- 9- ALL DIMENSIONS ARE INDICATIVE, CONTRACTOR MAY PROPOSE CWWIP TO FIT WITHIN THE PLOT BOUNDARY.
- 10- THE SIZES FOR UNITS A & B, C & D ARE INDICATIVE ONLY
- 11- THE PIPE DIMENSIONS REPRESENT IN OUTSIDE DIAMETER (O.D).

LEGEND:-

- (A) COLLECTION WELL WITH SCREEN ,GRIT & GREASE REMOVAL FACILITY
- (B) COMPACT WASTE WATER TREATMENT UNIT (INCLUDES AERATION AND SETTLING)
- (C) SLUDGE TANK
- (D) EFFLUENT TANK WITH EFFLUENT DISPOSAL PUMP
- (E) SEA OUTFALL
- (F) 1.2m PAVEMENT ALL ACROSS THE TREATMENT FACILITY.
- (G) 1m HIGH LANDSCAPING (BUSH)
- (H) STANDARD MALDIVES PALM TREE.

REFERENCE DRAWINGS

| SL.No | DRAWING No. | DESCRIPTION |
|-------|-------------|-------------|
| | | |
| | | |
| | | |
| | | |

| REV. | DATE | DESCRIPTION | DRAWN | CHKD. | APPRD. |
|------|----------|----------------------------|-------|-------|--------|
| 0 | 15-09-15 | DETAILED DESIGN SUBMISSION | JP | SS | MA |

REVISION

| CLIENT | CONSULTANT |
|---|--|
|  MINISTRY OF ENVIRONMENT & ENERGY REPUBLIC OF MALDIVES |  Al-Habshi Consultants Office Tel.: 2430103 / 2433131 - Fax : 2431136 P.O.Box 27154 Safat 13132 - Kuwait |

PROJECT:
Provision of Water Supply Facilities in 04 islands and Sewerage Facilities in 05 islands - GDH.Gadhdhoo Island - Republic of Maldives

DRAWING TITLE:
SECTION OF COMPACT SEWERAGE TREATMENT UNIT-GDH.GADHDHOO ISLAND

| | | | | | |
|-------------|-----------|------------------------------|----------|----------|----------|
| DESIGNED | DRAWN | CHECKED | APPROVED | SCALE | DATE |
| SK | JP | SS | MA | 1 : 1500 | 15-09-15 |
| PROJECT No. | SHEET No. | DRAWING No. GG-SW-120 | | | |
| K-619 | 1 OF 1 | | | | |
| REV. No. | 0 | | | | |