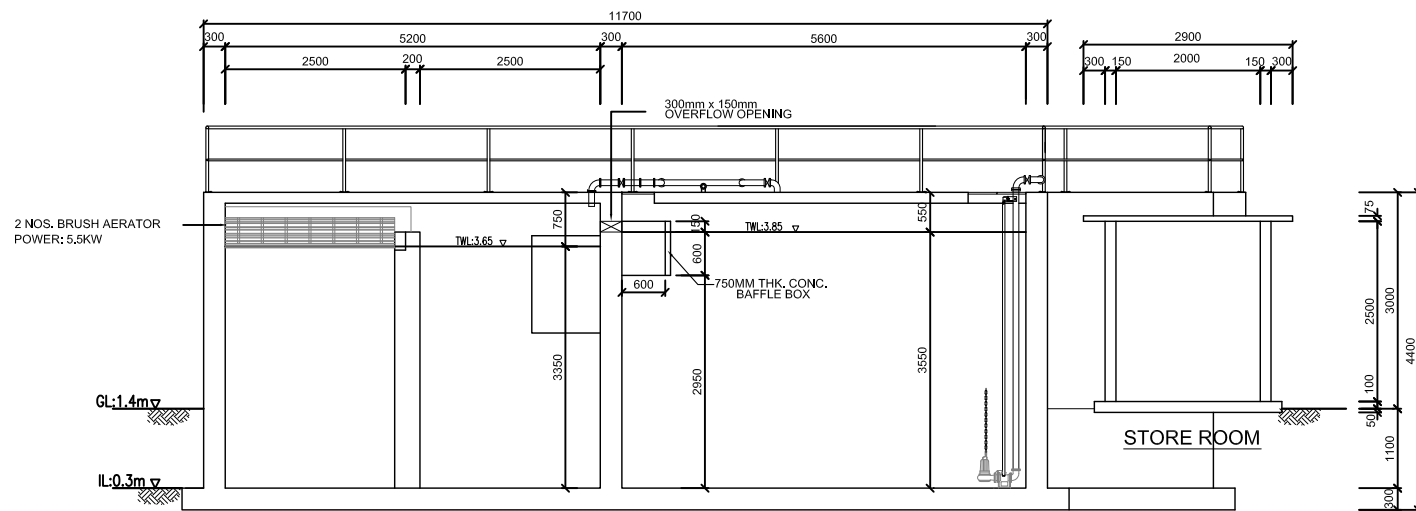


SEC. SCREEN, GRIT , DISTRIBUTION CHANNEL & GREASE CHAMBER

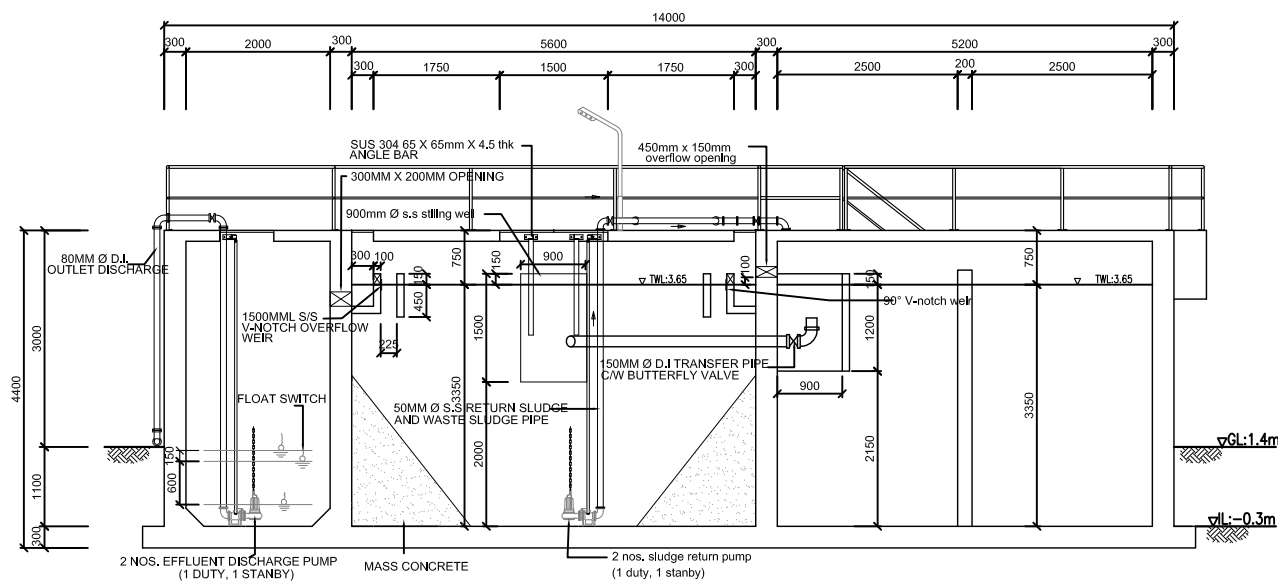
SECTION D-D
SCALE 1:100



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. OTHER FLOW LINES TO USE UPVC 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 KOLAMAAFUSHI ISLAND AVERAGE FLOW $Q = 230m^3/day$ EXPANDABLE UPTO $400m^3/day$.
- 6- SLUDGE STABILIZED, DIGESTED AND DISINFECTED FROM TANK (A) 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 (A) (COLLECTION WELL) 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

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

REVISION

CLIENT

MINISTRY OF ENVIRONMENT & ENERGY
REPUBLIC OF MALDIVES

CONSULTANT:

Al-Habshi Consultants Office
Tel: 2430103 / 2433131 - Fax: 2431136
P.O.Box 27164 Safat 13132 - Kuwait

PROJECT:

Provision of Water Supply Facilities in 04 islands and Sewerage Facilities in 05 islands - GA.Kolamaafushi Island - Republic of Maldives

DRAWING TITLE:

SECTION OF COMPACT SEWERAGE TREATMENT UNIT-GA.KOLAMAAFUSHI ISLAND

DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SK	JP	SS	MA	1 : 1500	15-09-15
PROJECT No.	SHEET No.	DRAWING No. KO-SW-116			
K-619	1 OF 1				
REV. No.	0				