



MINISTRY OF ENVIRONMENT AND ENERGY
REPUBLIC OF MALDIVES

DETAILED DESIGN DRAWINGS FOR S.MARADHOO, S.MARADHOO-FEYDHOO & S.FEYDHOO

PACKAGE: 2

Project:
Consultancy Services for the Design of Sewerage Facilities in
S.Feydhoo, S.Maradhoo, S.Maradhoo Feydhoo,
S.Hulhudhoo and Hulhumeedhoo.

Volume: 3 of 3

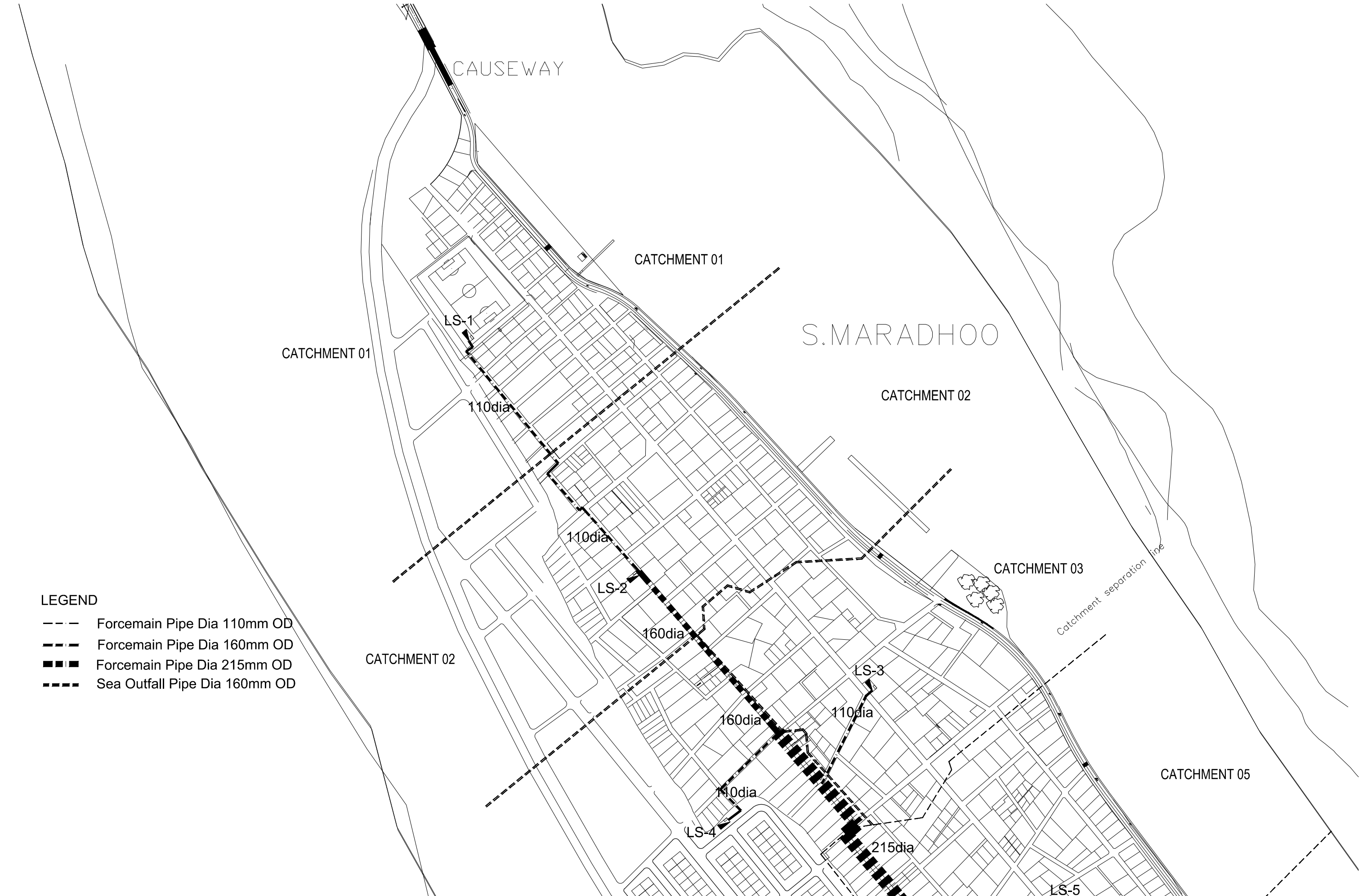
LIST OF DRAWINGS	
DWG. NOS	DRAWING TITLES
GENERAL	
RH-GN-01	DRAWING LIST
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MF-SW-103	CLEANOUTS AND PIPES DETAILS
MF-SW-104	INSPECTION CHAMBER DETAILS
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LIST OF DRAWINGS	
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MF-SW-132	TANK BOTTOM REINFORCEMENT OF SEWERAGE TREATMENT UNIT
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LIST OF DRAWINGS	
DWG. NOS	DRAWING TITLES
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MF-EL-102	ADMIN BUILDING ELECTRICAL LAYOUT
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Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
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								Checked by:	Hussain Shaheed	Sheet No.
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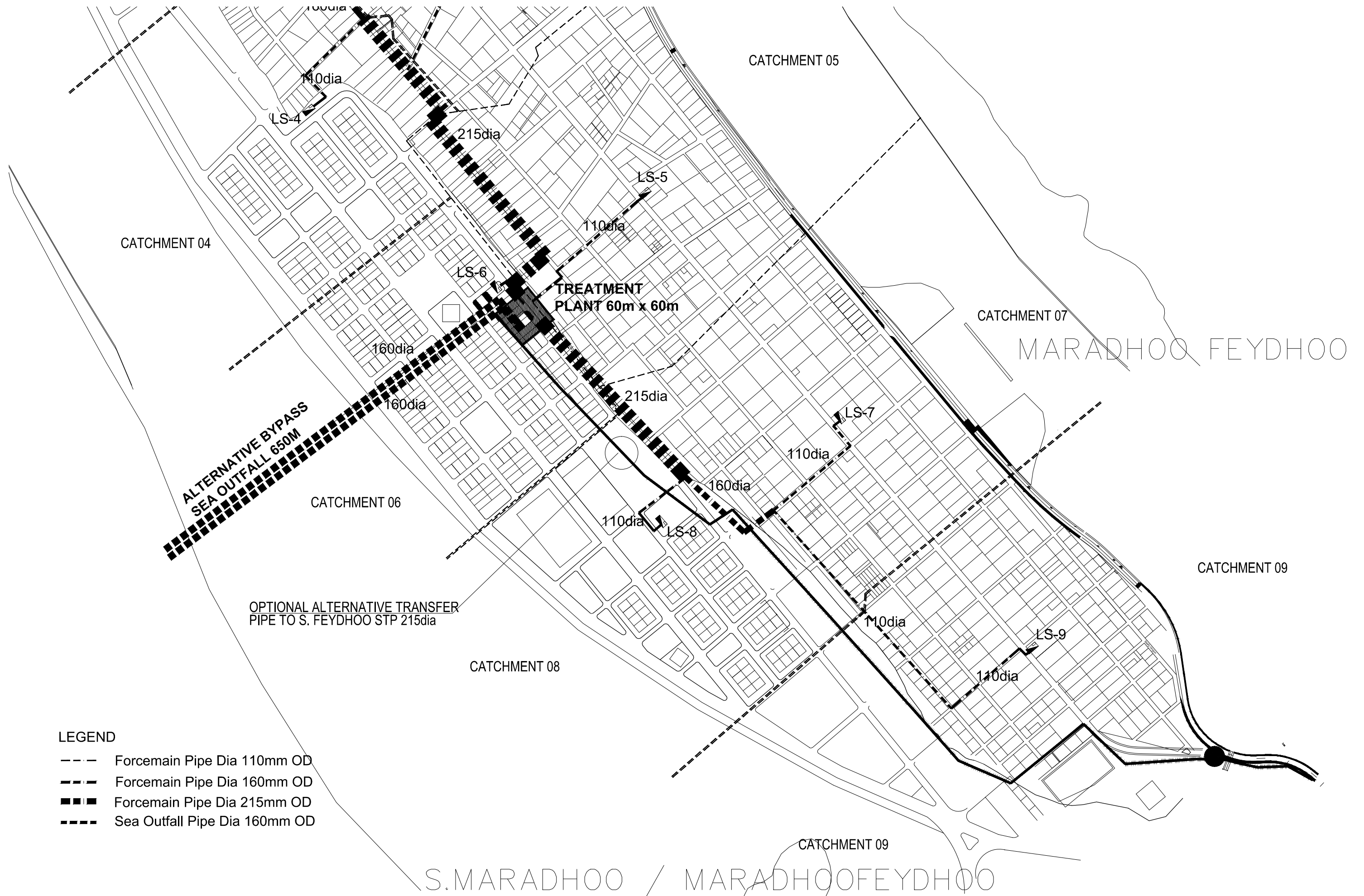
SEWERAGE DRAWINGS



LEGEND

- Forcemain Pipe Dia 110mm OD
- .-.- Forcemain Pipe Dia 160mm OD
- Forcemain Pipe Dia 215mm OD
- Sea Outfall Pipe Dia 160mm OD

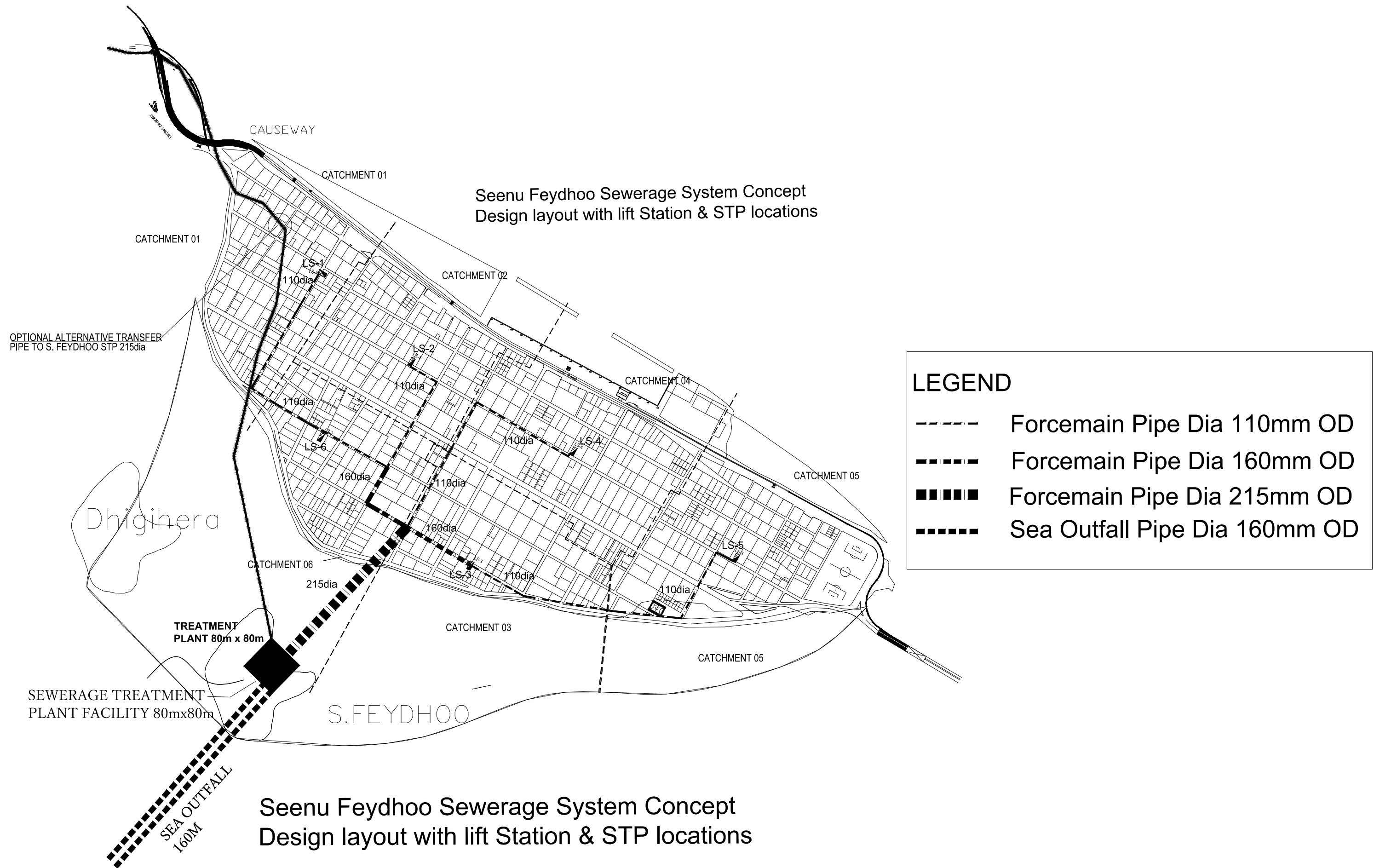
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
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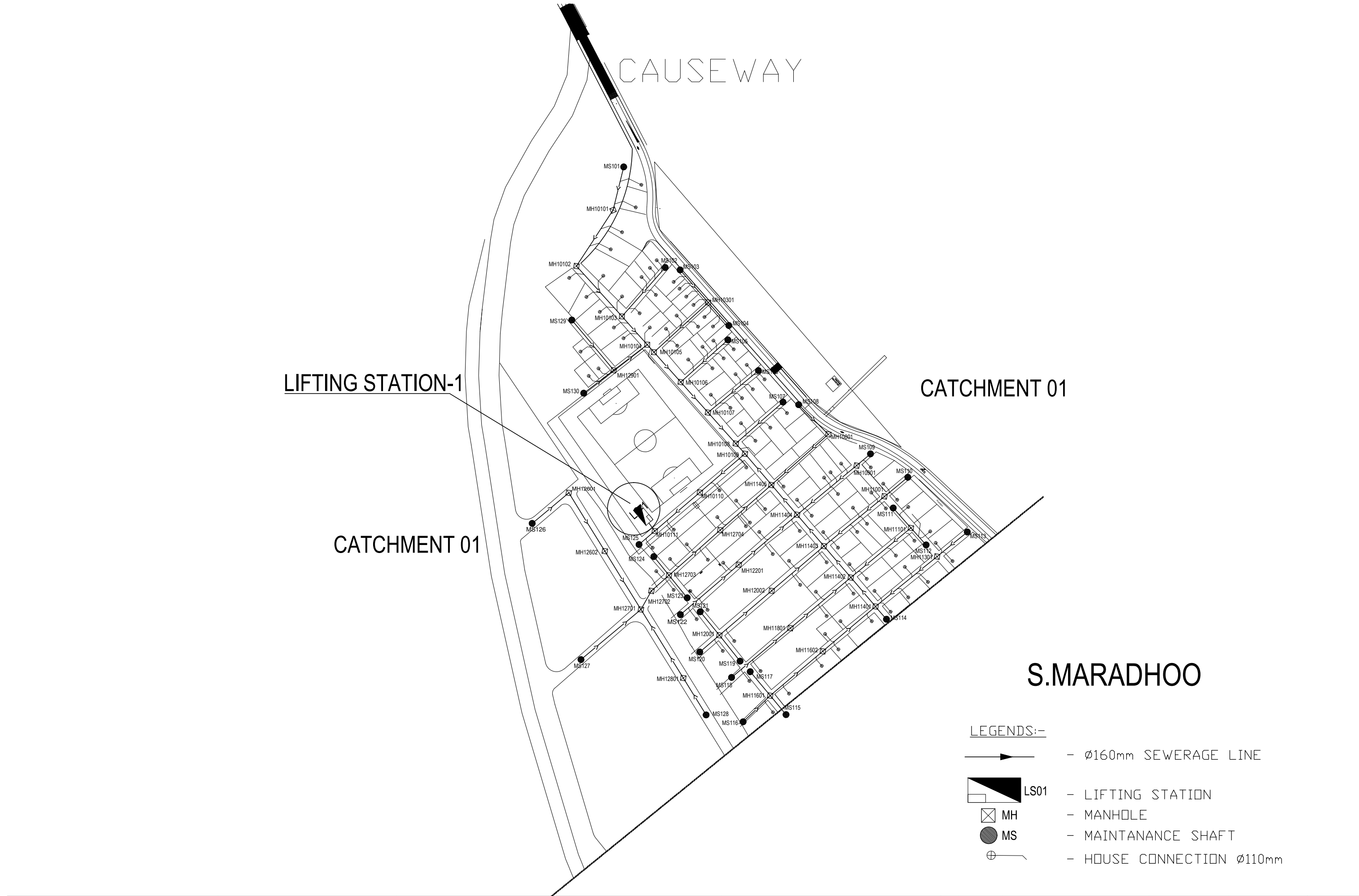
LEGEND

- Forcemain Pipe Dia 110mm OD
- Forcemain Pipe Dia 160mm OD
- Forcemain Pipe Dia 215mm OD
- Sea Outfall Pipe Dia 160mm OD

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN					Hydraulic Designed by:	Hussain Shaheed	MF-SW-100.1
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



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LIFTING STATION-2


CATCHMENT 02

CATCHMENT 02

S.MARADHOO

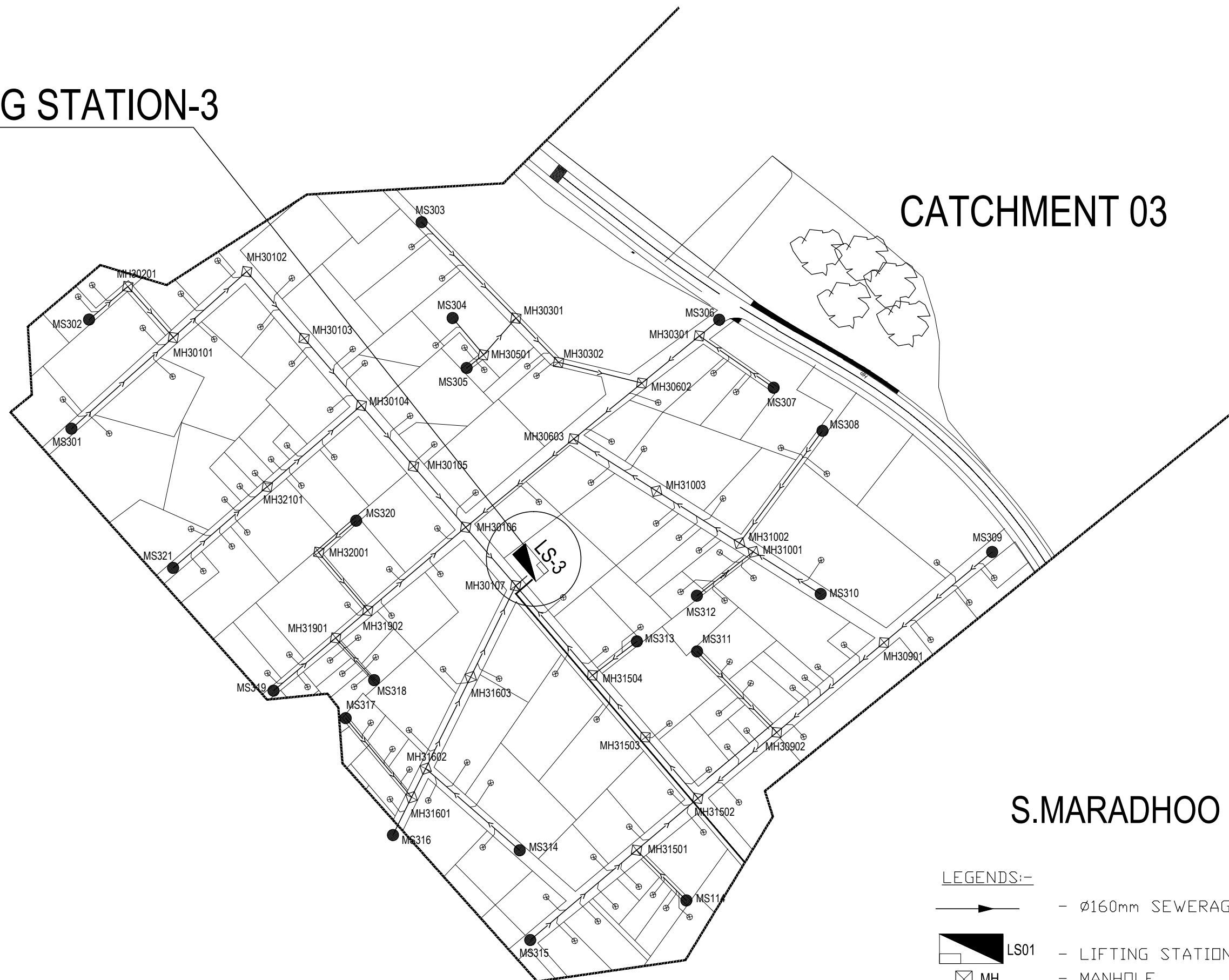
LEGENDS:-

- ▶— — Ø160mm SEWERAGE LINE
- LS01 — LIFTING STATION
- ⊠ MH — MANHOLE
- MS — MAINTANANCE SHAFT
- ⊕ — HOUSE CONNECTION Ø110mm

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-101.1
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								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
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LIFTING STATION-3


CATCHMENT 03



S.MARADHOO

LEGENDS:-

-  - Ø160mm SEWERAGE LINE
 LS01 - LIFTING STATION
 MH - MANHOLE
 MS - MAINTANANCE SHAFT
 - HOUSE CONNECTION Ø110mm

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 2029 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
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LIFTING STATION-4

CATCHMENT 04

LS4

B3

S.M


LE

Legend:

- Manhole (MH)
- Manhole (MS)
- Lifting Station (LS)

S.MARADHOO

 - Ø160mm SEWERAGE LINE
 LS01 - LIFTING STATION
 MH - MANHOLE
 MS - MAINTANANCE SHAFT
 - HOUSE CONNECTION Ø110mm

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Aliliklegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.
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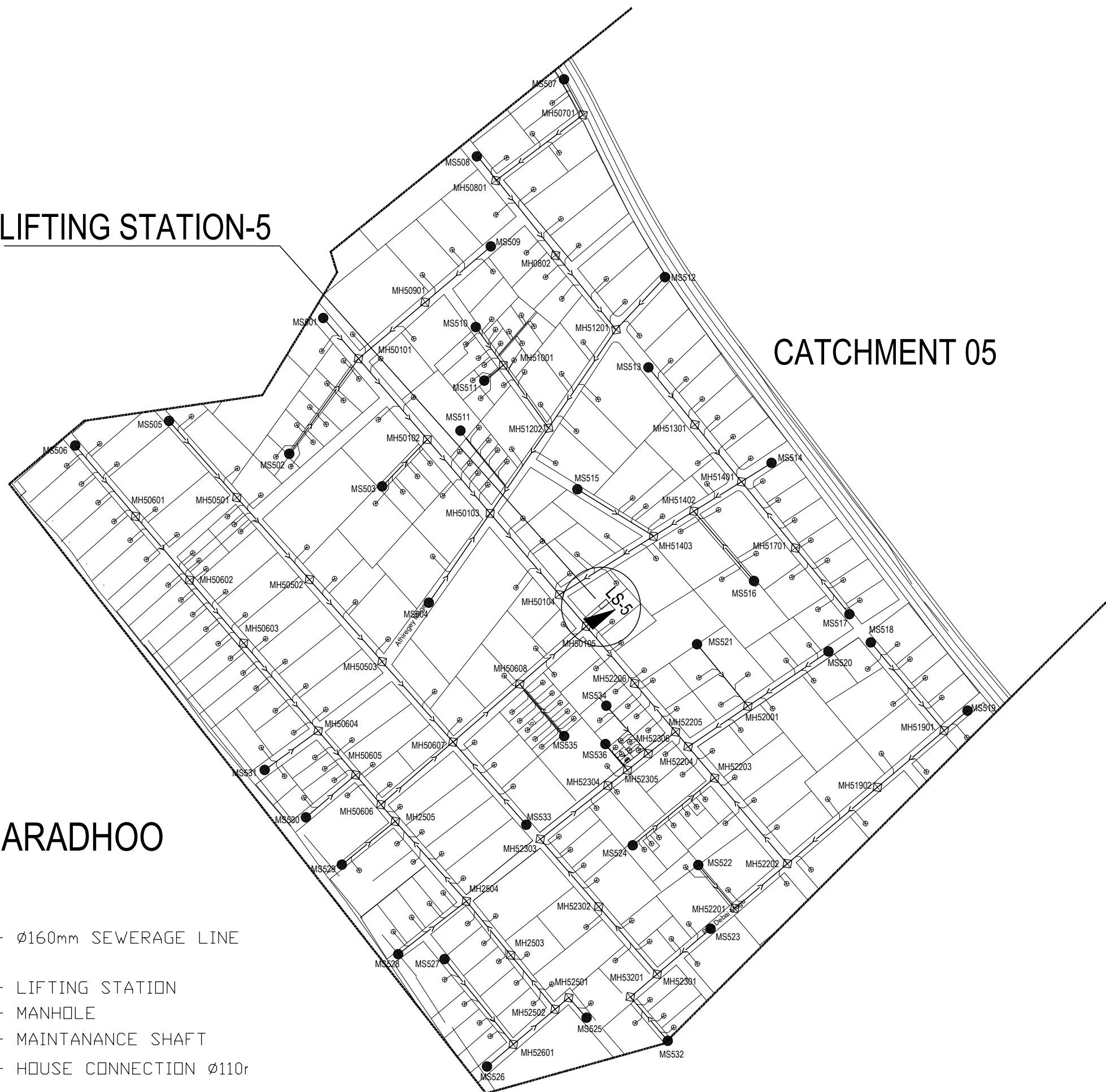
LIFTING STATION-5

CATCHMENT 05

S.MARADHOO

LEGENDS:-

-  - Ø160mm SEWERAGE LINE
-  LS01 - LIFTING STATION
-  MH - MANHOLE
-  MS - MAINTANANCE SHAFT
-  - HOUSE CONNECTION Ø110r








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MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-101.4
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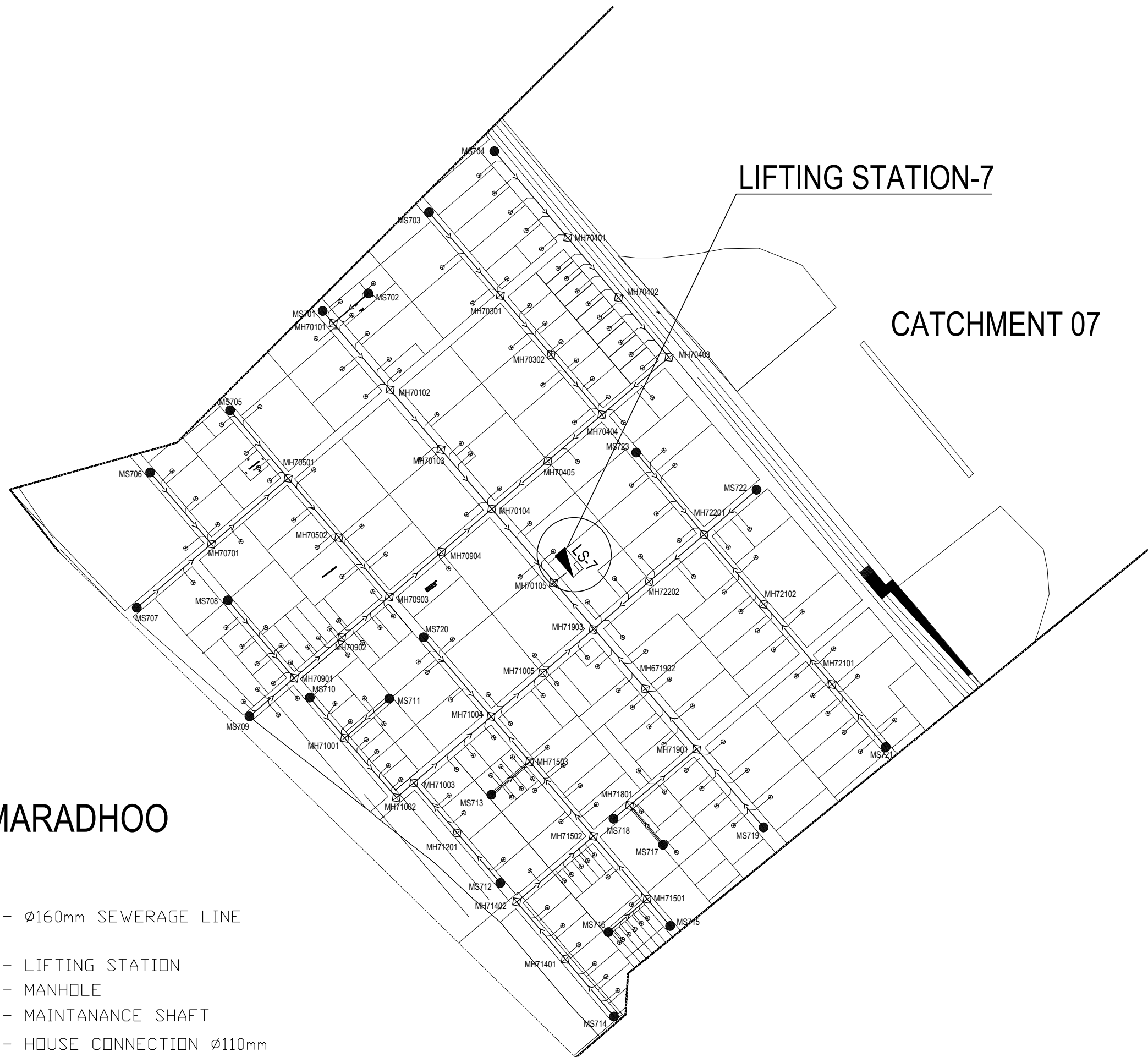



Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
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S.MARADHOO

LEGENDS:-

-  - Ø160mm SEWERAGE LINE
-  LS01 - LIFTING STATION
-  MH - MANHOLE
-  MS - MAINTANANCE SHAFT
-  - HOUSE CONNECTION Ø110mm



Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer <div></div> <div>2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv</div>	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
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								Date:	28.Mar.2016	
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CATCHMENT 08

PARADHOO


— Ø160mm SEWERAGE LINE

— LIFTING STATION

The map illustrates the sanitary sewerage system for Catchment 08. It features a network of sewer lines (represented by lines with arrows) and lifting stations (represented by black dots). Manholes (MH) are indicated by small squares with an 'X'. The system is organized into several distinct areas, each with its own set of manholes and lifting stations. The lifting stations are labeled MS801 through MS811. The manholes are labeled MH80101 through MH81101. The map also shows a large rectangular area labeled 'CATCHMENT 08' and a smaller area labeled 'PARADHOO'. A legend at the bottom left defines the symbols used: a line with an arrow for 'Ø160mm SEWERAGE LINE' and a black dot for 'LIFTING STATION'.

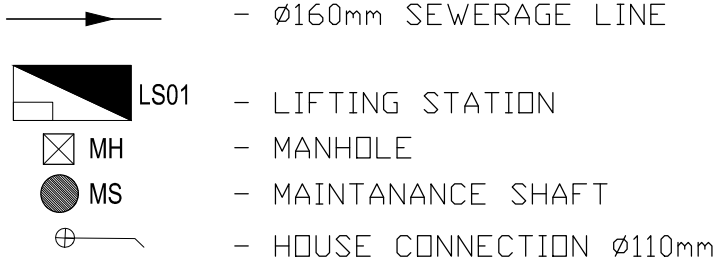
S.MARADHOO

 - Ø160mm SEWERAGE LINE
 LS01 - LIFTING STATION
 MH - MANHOLE
 MS - MAINTANANCE SHAFT
 - HOUSE CONNECTION Ø110mm

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer <div></div> <div>2nd Floor, Aakakaage-1, Galolhu, Alikilegfaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meco.com.mv</div>	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.	
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S.MARADHOO


LEGENDS:-



LIFTING STATION-9

CATCHMENT 09


CATCHMENT 09

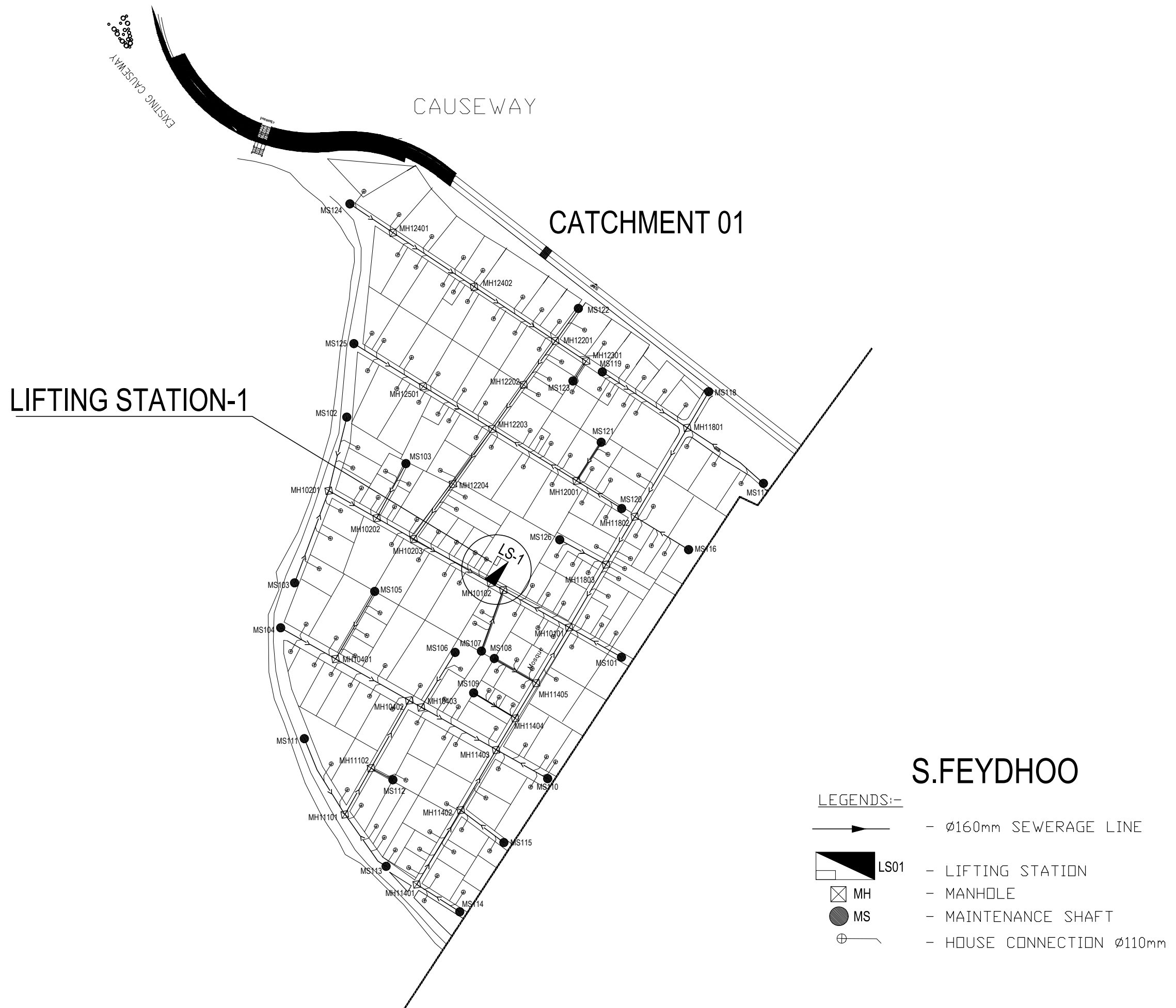
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.
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LEGENDS:-

	- Ø160mm SEWERAGE LINE
 LS01	- LIFTING STATION
 MH	- MANHOLE
 MS	- MAINTANANCE SHAFT
	- HOUSE CONNECTION Ø110mm

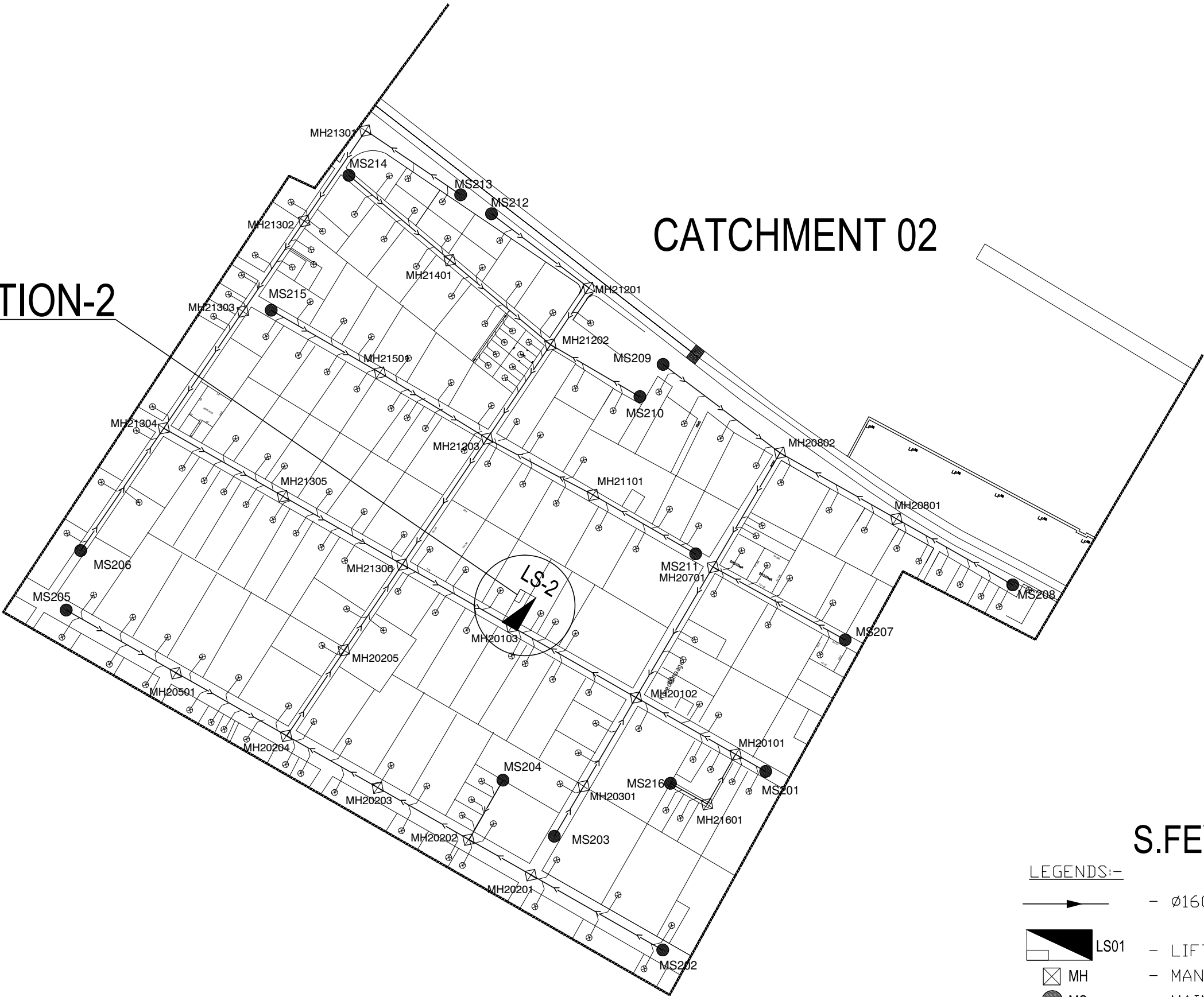


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ING STATION-2



S.FEYDHOO

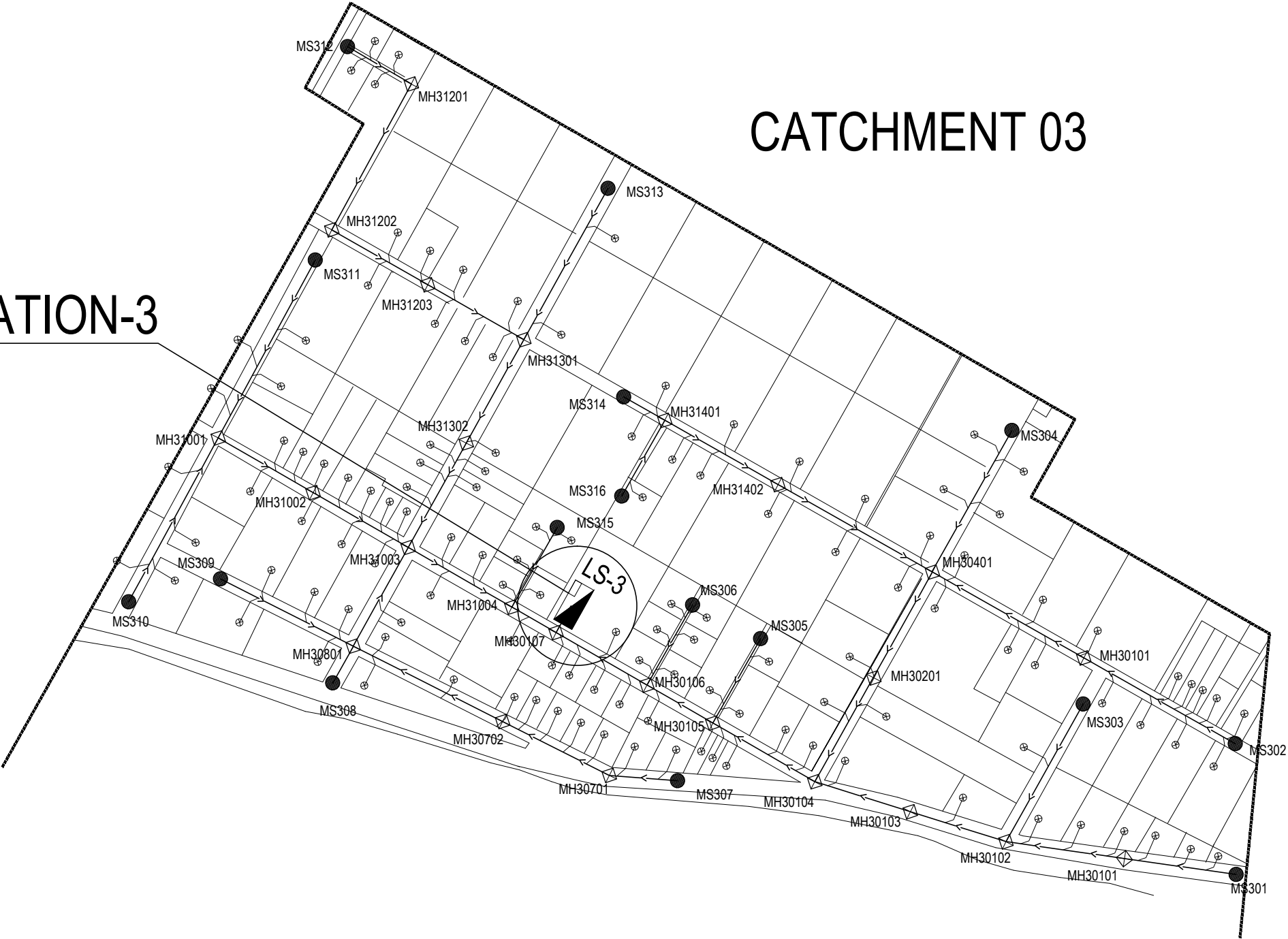
LEGENDS:-

- Ø160mm SEWERAGE LINE
- LS01 — LIFTING STATION
- MH — MANHOLE
- MS — MAINTENANCE SHAFT
- ⊕ — HOUSE CONNECTION Ø110mm

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I
G STATION-3

CATCHMENT 03



S.FEYDHOO

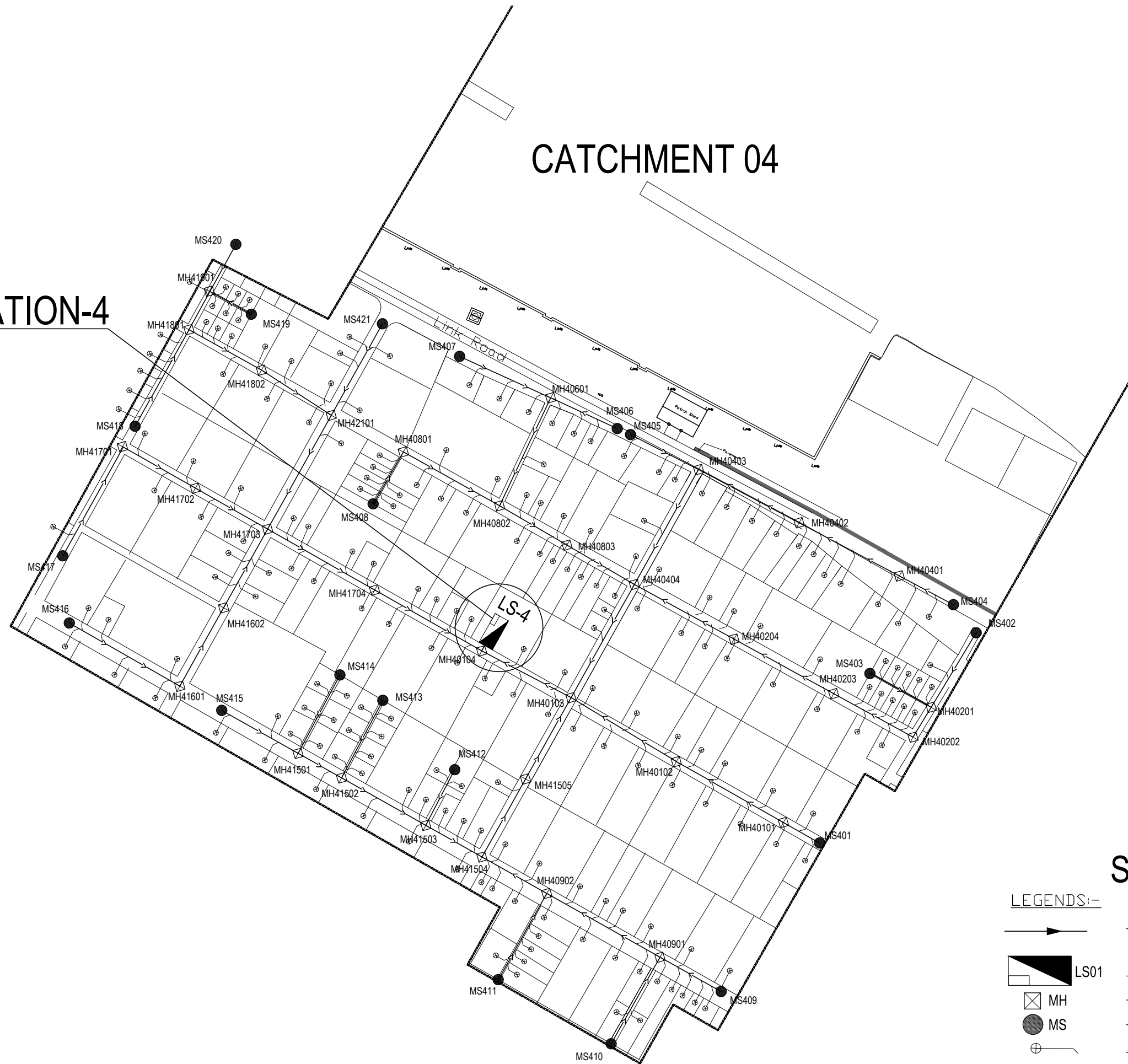
LEGENDS:-

-  - Ø160mm SEWERAGE LINE
-  LS01 - LIFTING STATION
-  MH - MANHOLE
-  MS - MAINTENANCE SHAFT
-  - HOUSE CONNECTION Ø110mm

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IFTING STATION-4


CATCHMENT 04



S.FEYDHOO

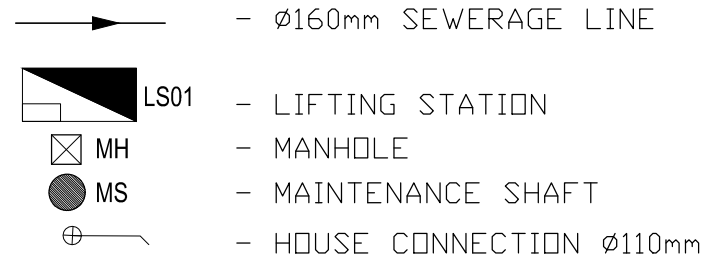
LEGENDS:-


-  - Ø160mm SEWERAGE LINE
 LS01 - LIFTING STATION
 MH - MANHOLE
 MS - MAINTENANCE SHAFT
 - HOUSE CONNECTION Ø110mm

Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	 2nd Floor, Aakaaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FFYDHOO & FFYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-101.13
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



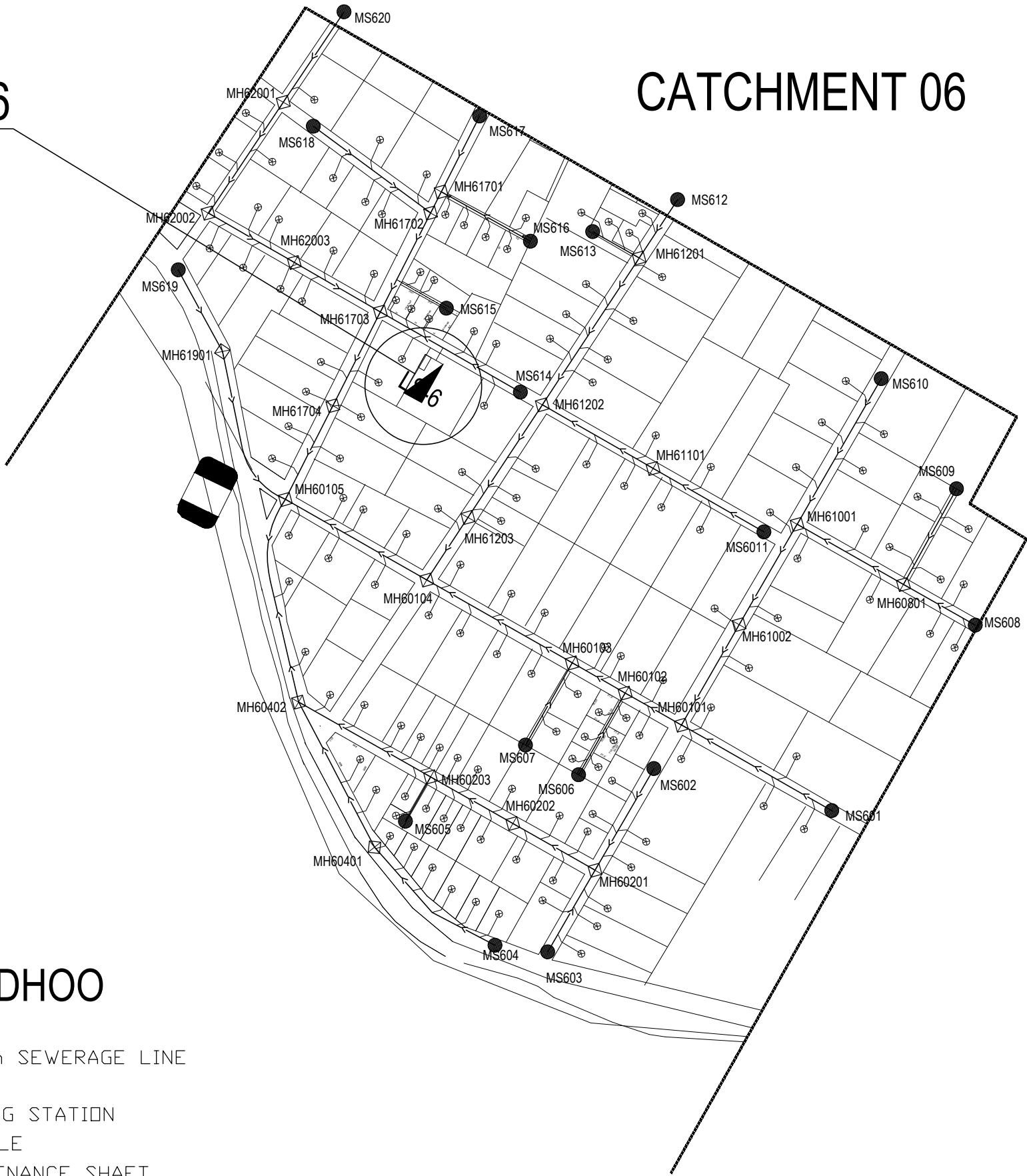
LEGENDS:-



Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer  2nd Floor, Aakakaage-1, Galolhu, Aliliklegaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.	
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-101.14	
								Structural Design by:	Hassan Nihad		
								Checked by:	Hussain Shaheed		Sheet No.
								Date:	28.Mar.2016		
								Scale:	As given		

LIFTING STATION-6

CATCHMENT 06

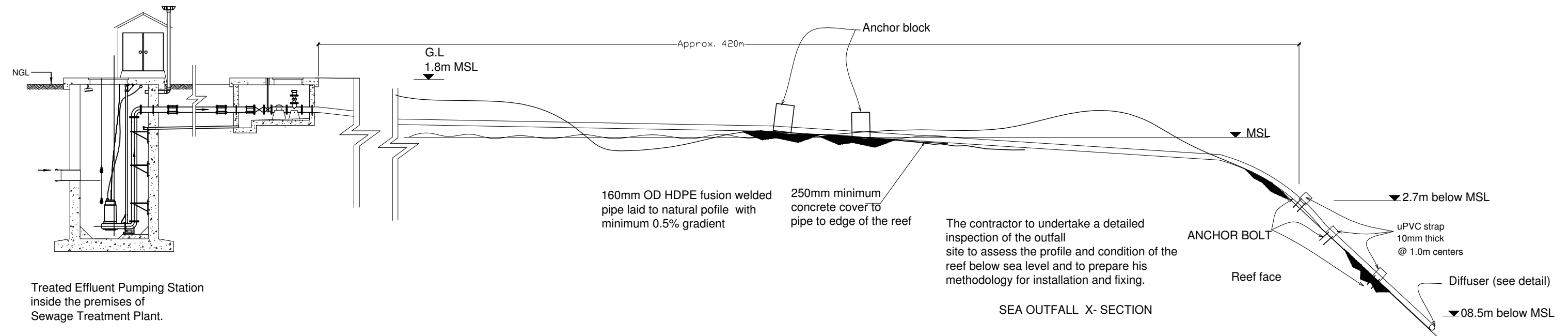


S.FEYDHOO

LEGENDS:-

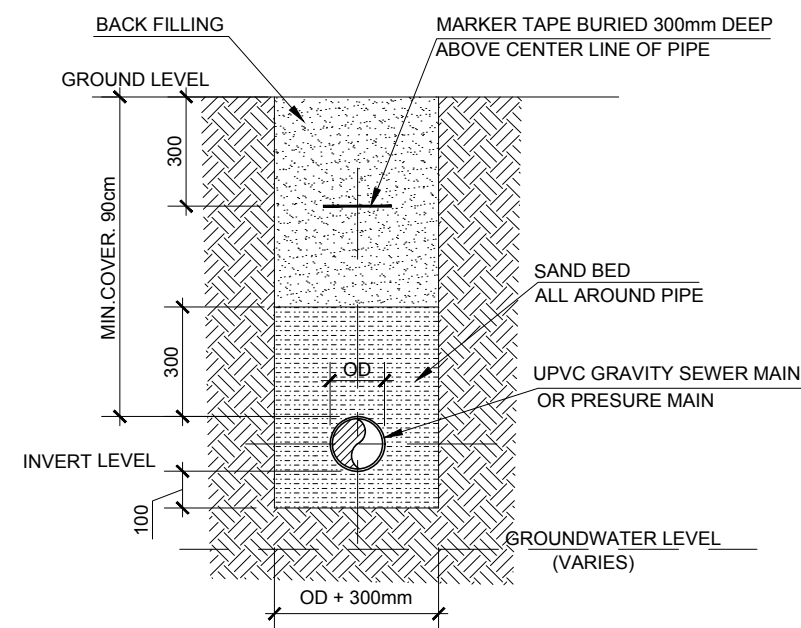
- Ø160mm SEWERAGE LINE
- LS01 - LIFTING STATION
- MH - MANHOLE
- MS - MAINTENANCE SHAFT
- HOUSE CONNECTION Ø110mm

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-101.15 Sheet No.
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								Date:	28.Mar.2016	
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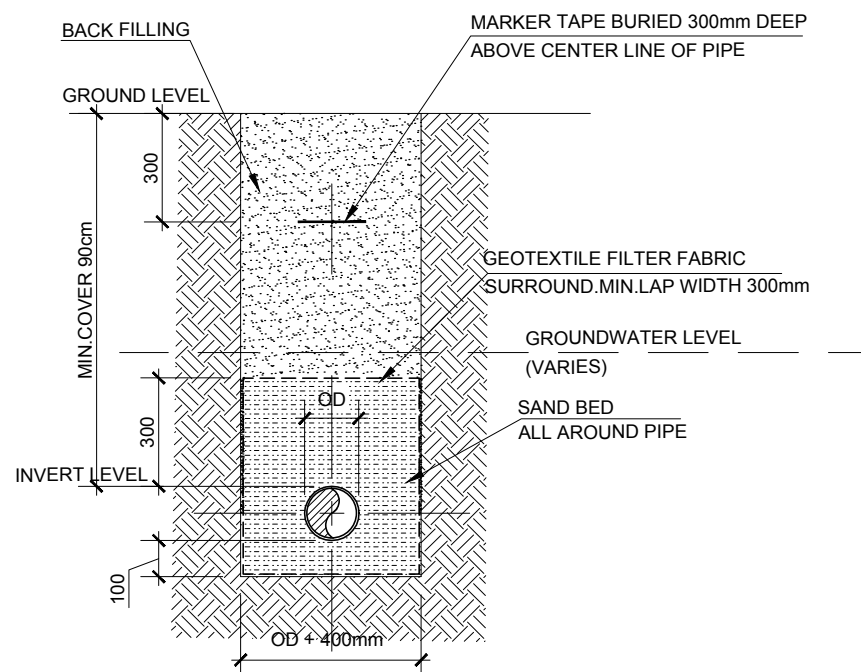


TYPICAL SEAOUTFALL DETAILS (FEYDHOO)

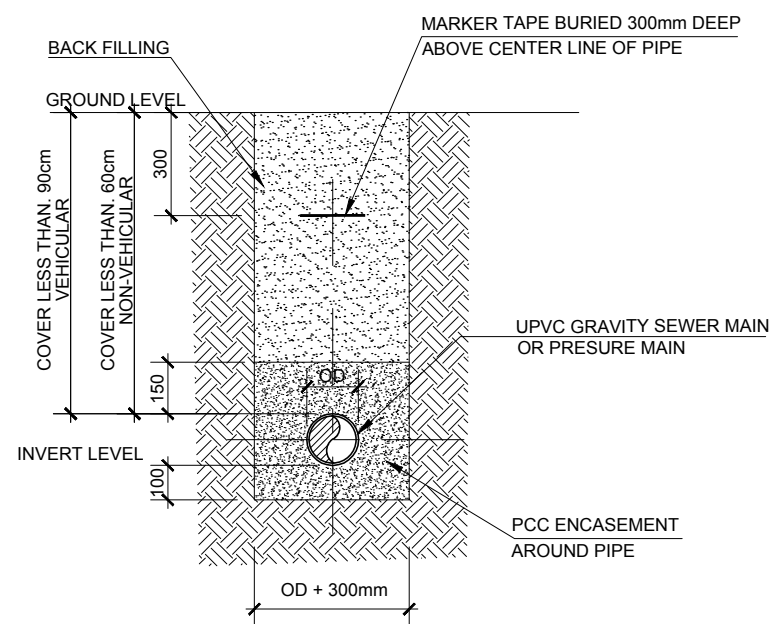
Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-101.16 Sheet No.
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								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
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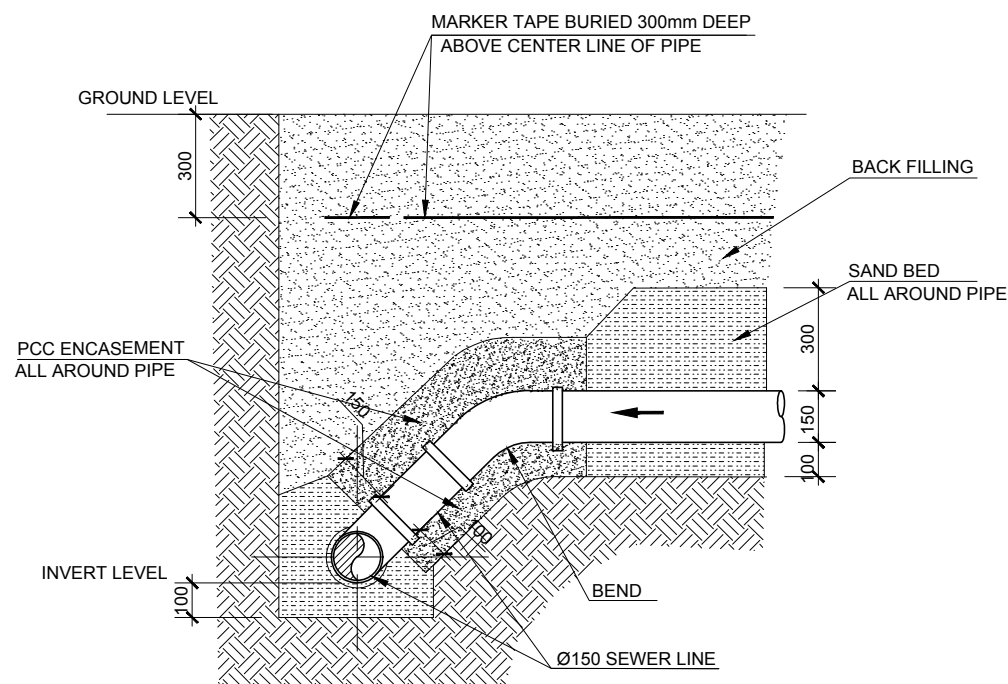
**TYPICAL PIPE TRENCH DETAIL
(WATER TABLE BELOW TRENCH BASE)**



**TYPICAL PIPE TRENCH DETAIL
(WATER TABLE ABOVE TRENCH BASE)**

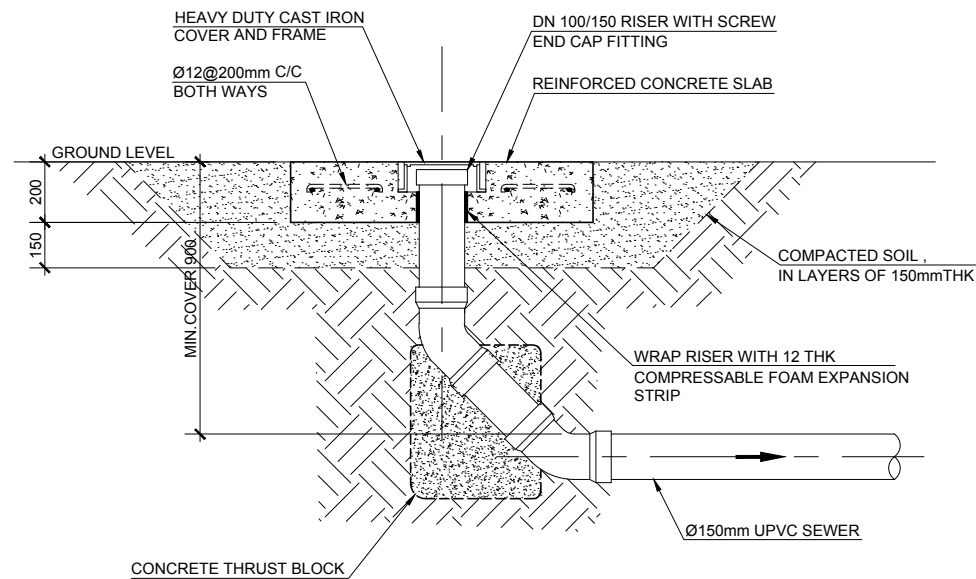


**TYPICAL PIPE TRENCH DETAIL
CONCRETE ENCASEMENT**

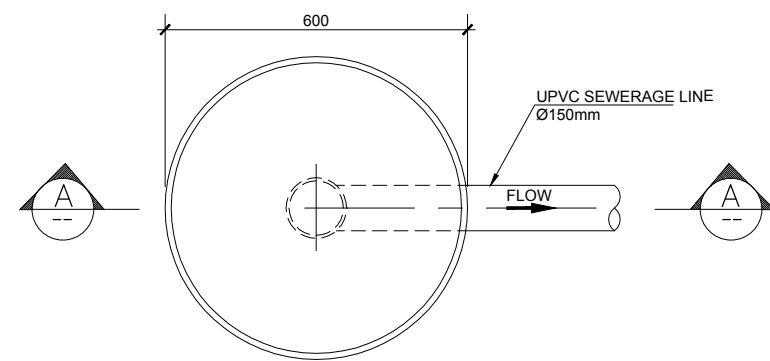


**TYPICAL BRANCH CONNECTION FROM PIPES
AT HIGHER LEVEL TO LOWER LEVEL**

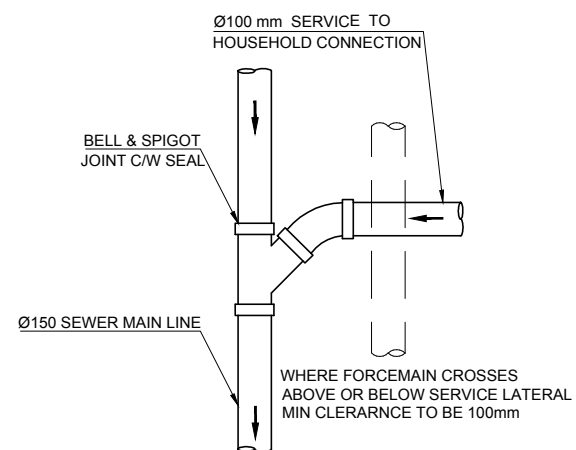
Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A. Saththaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-102
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



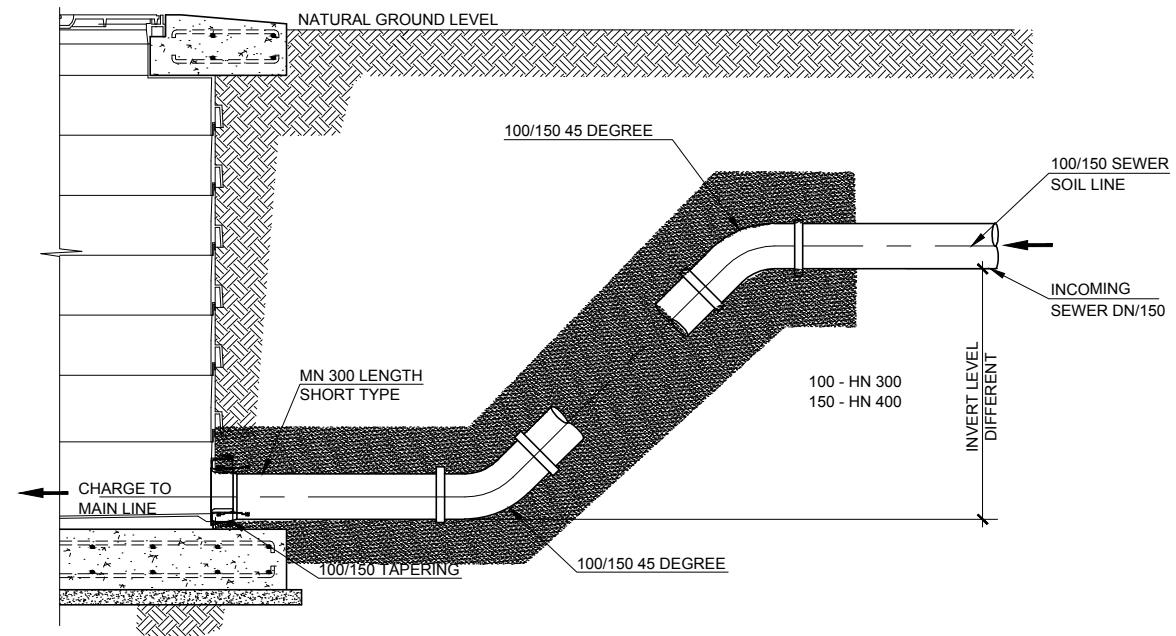
SECTION A-A



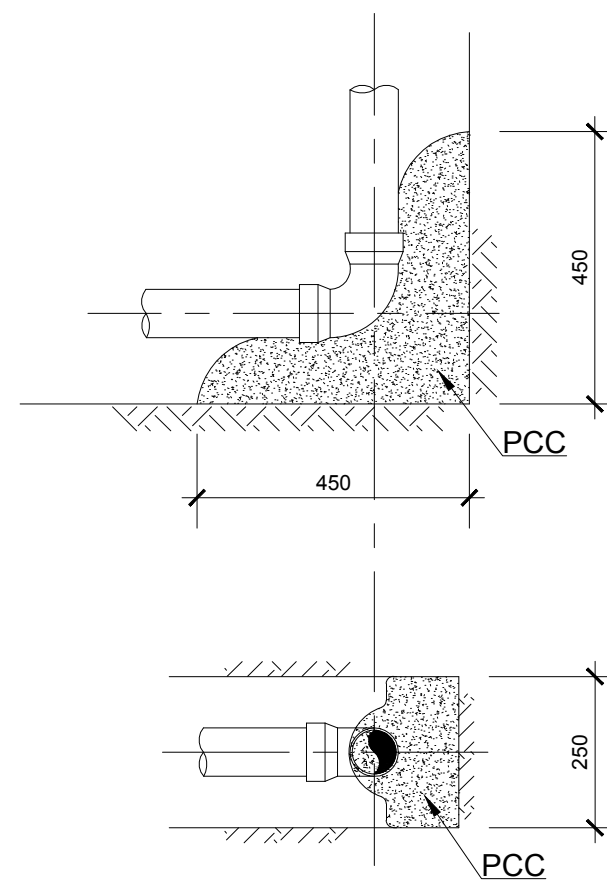
TYPICAL CLEAN OUT (CO)



TYPICAL SERVICE LATERAL PLAN

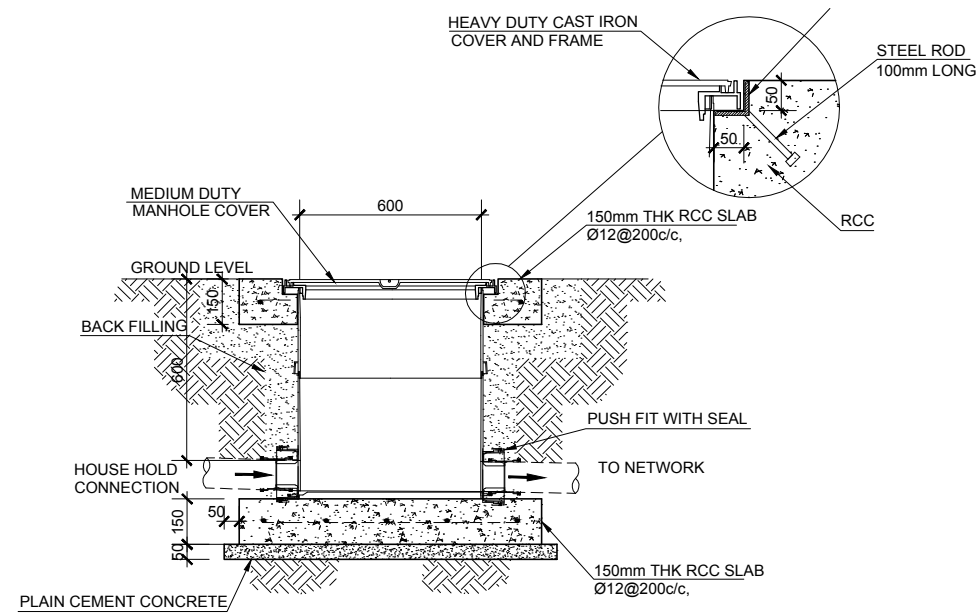


MANHOLE PIPE CONNECTION DETAIL

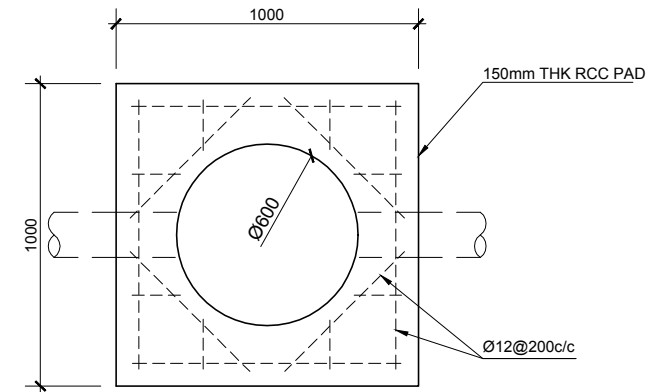


**90° HORIZONTAL BEND (BTM)
FOR Ø80 PRESSURE PIPE**

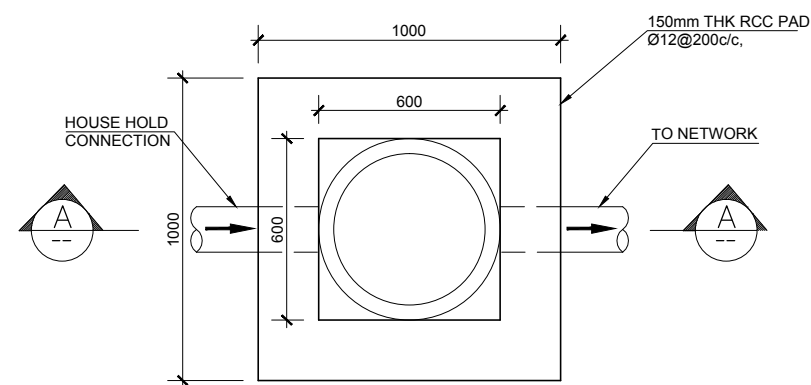
Employer:	Engineer	Project:	Drawing Title:	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.
MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@mecco.com.mv	DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	AS GIVEN			-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-103
								Structural Design by:	Hassain Nihad	Sheet No.
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



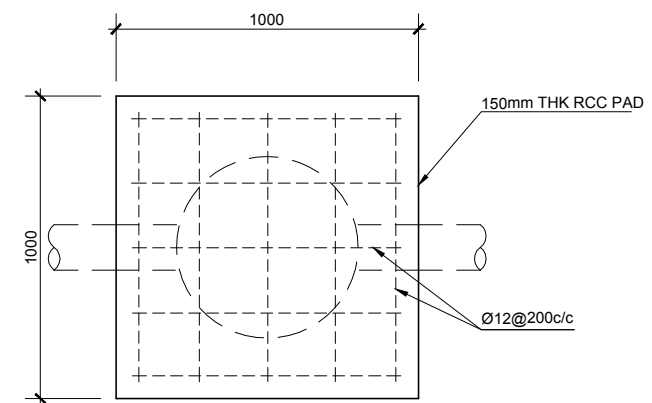
SECTION A-A



TOP SLAB

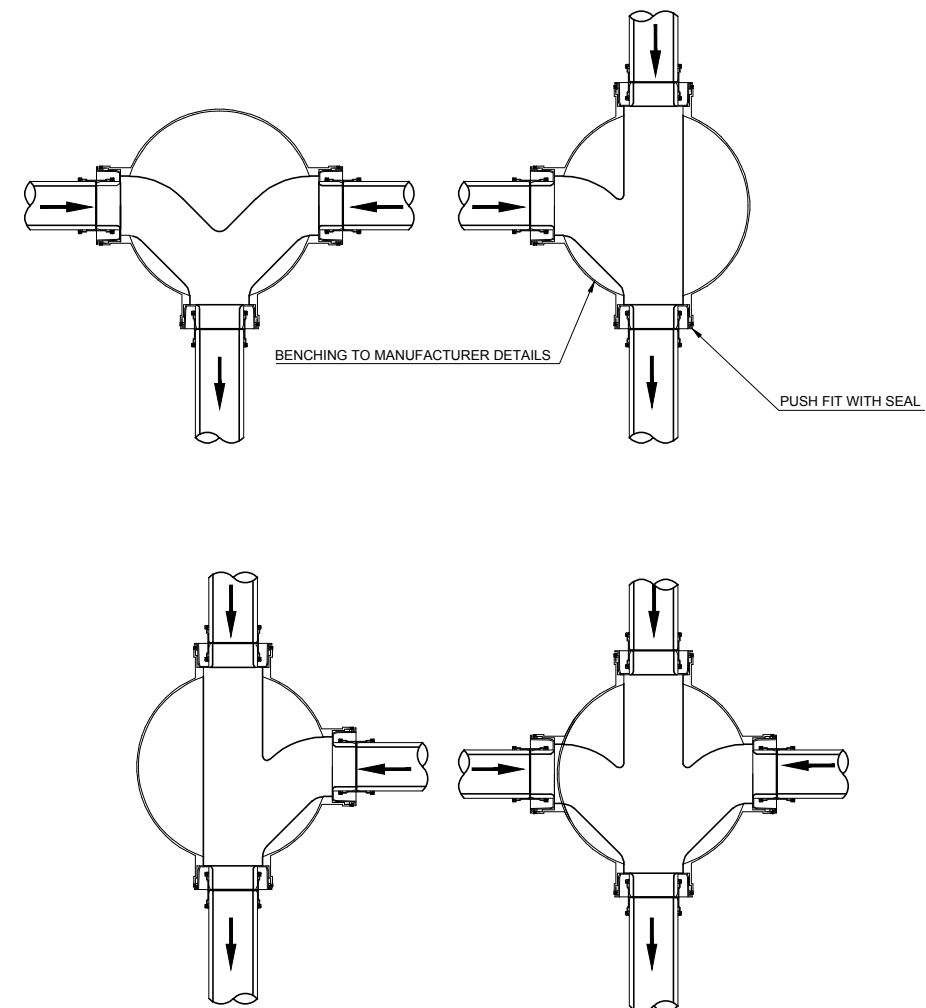
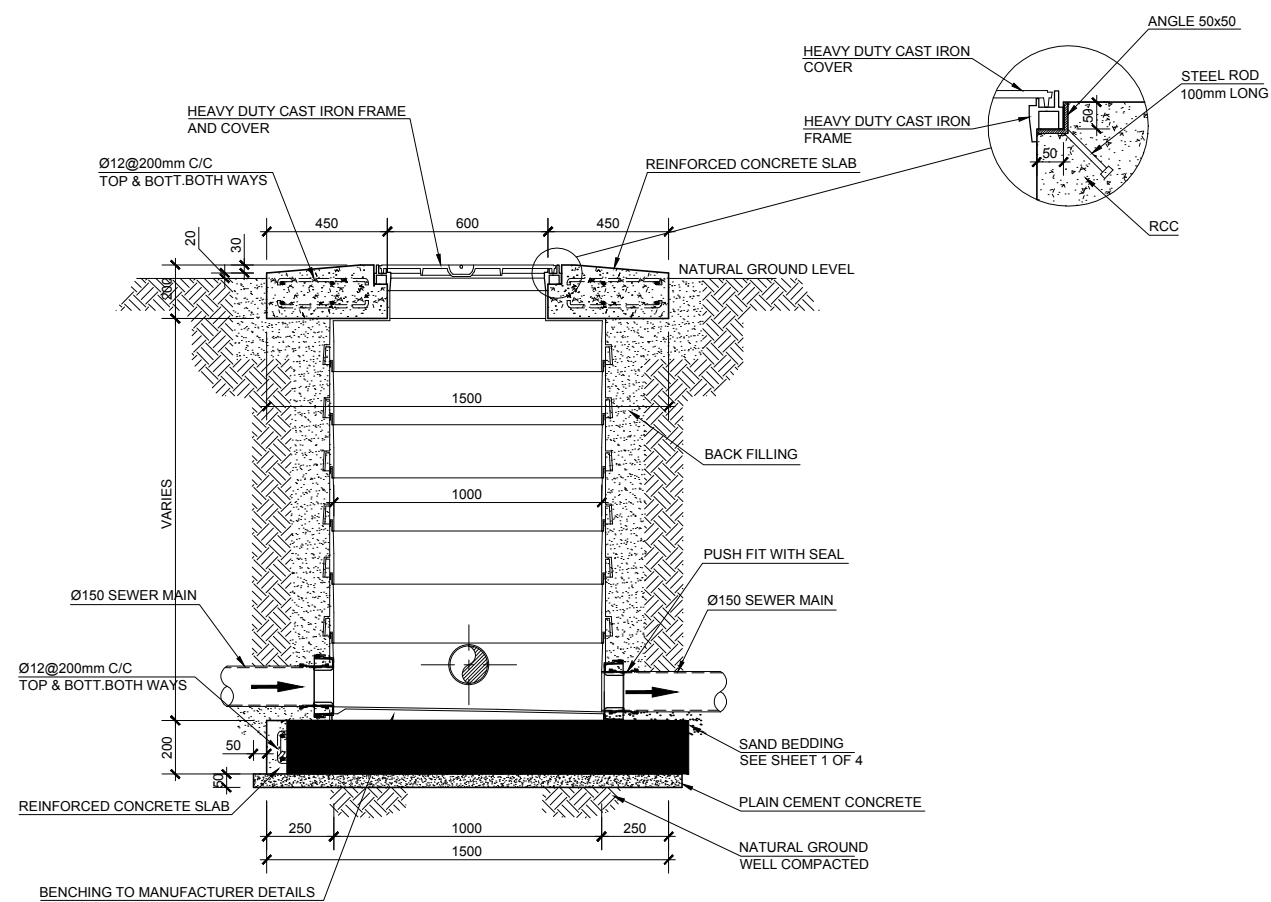
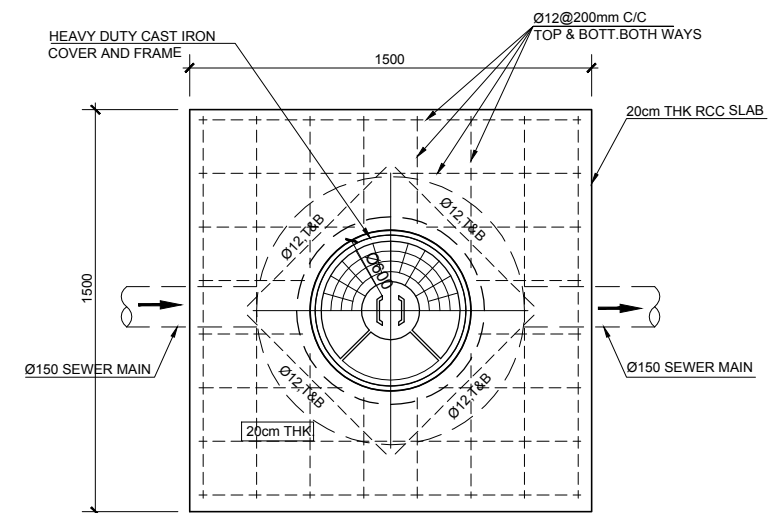
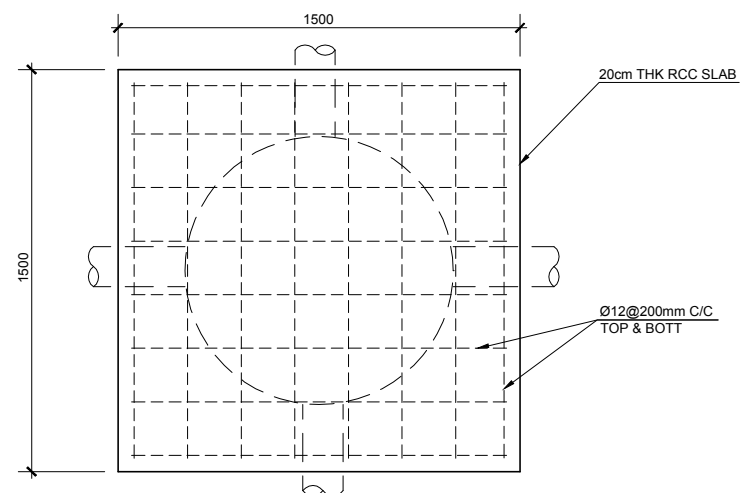
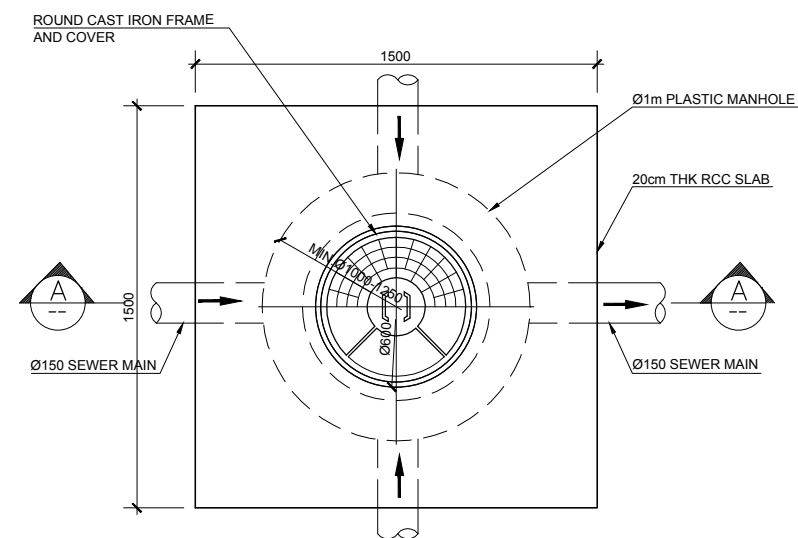


INSPECTION CHAMBER



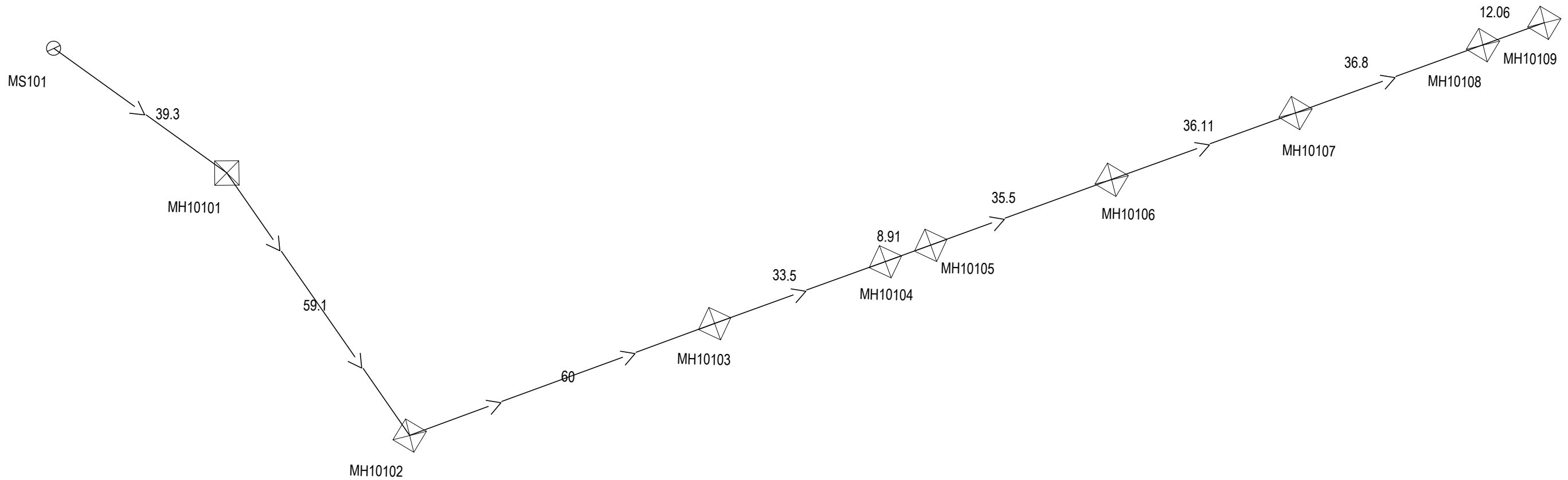
BOTTOM SLAB

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-104 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	

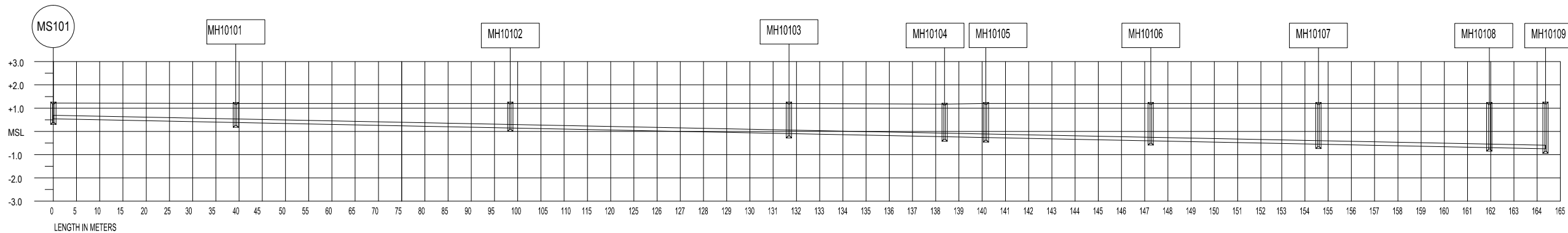


Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer 2nd Floor, Aakakaage-1, Galolhu, Aliliklegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaaru	Drawing No.	
						-		Hydraulic Designed by:	Hussain Shaheed	MF-SW-105	
								Structural Design by:	Hassan Nihad		
								Checked by:	Hussain Shaheed		Sheet No.
								Date:	28.Mar.2016		
								Scale:	As given		

S. MARADHOO, MARADHOO-FEYDHOO CATCHMENT PROFILE DRAWINGS



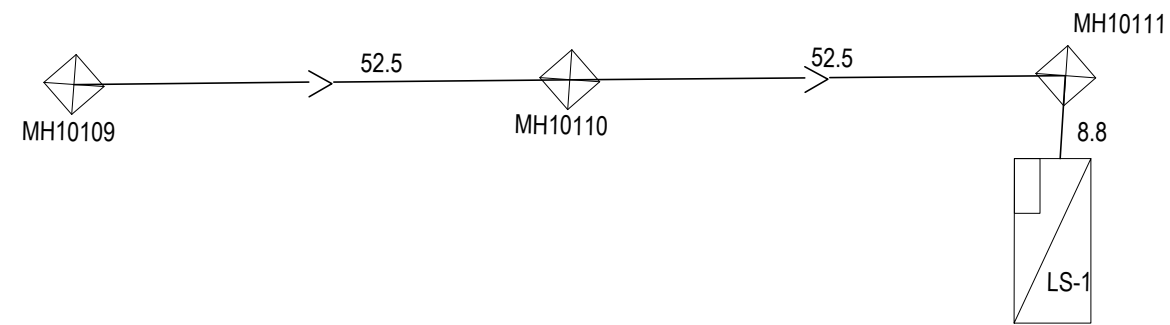
PROFILE-01a



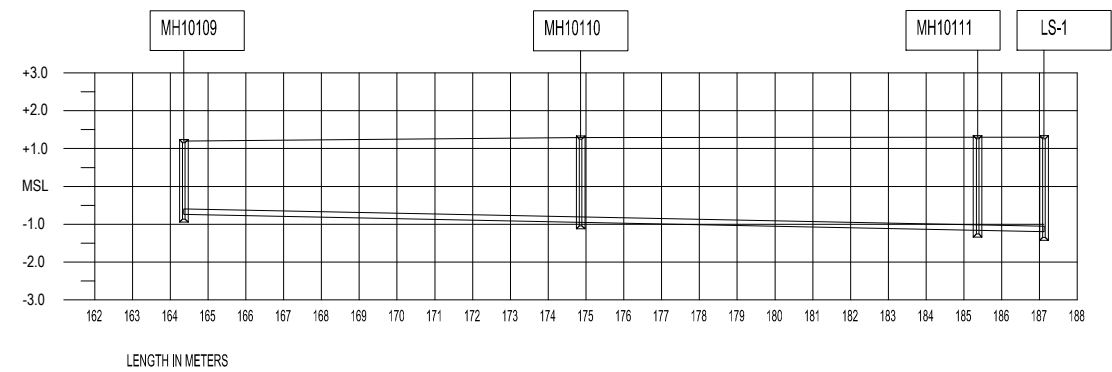
Manhole No	MS101	MH10101	MH10102	MH10103	MH10104	MH10105	MH10106	MH10107	MH10108	MH10109
Ground Level (from MSL)	1.22	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Invert Level	0.62	0.46	0.23	-0.01	-0.15	-0.18	-0.33	-0.47	-0.62	-0.67
Depth of Manhole	0.60	0.74	0.97	1.21	1.35	1.38	1.53	1.67	1.82	1.87
Distance between Manhole	0.00	39.30	59.10	60.00	33.50	8.91	35.50	36.11	36.80	12.08
Pipeslope		0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm	150mm	150mm	150mm	150mm

CATCHMENT 01

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.1 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
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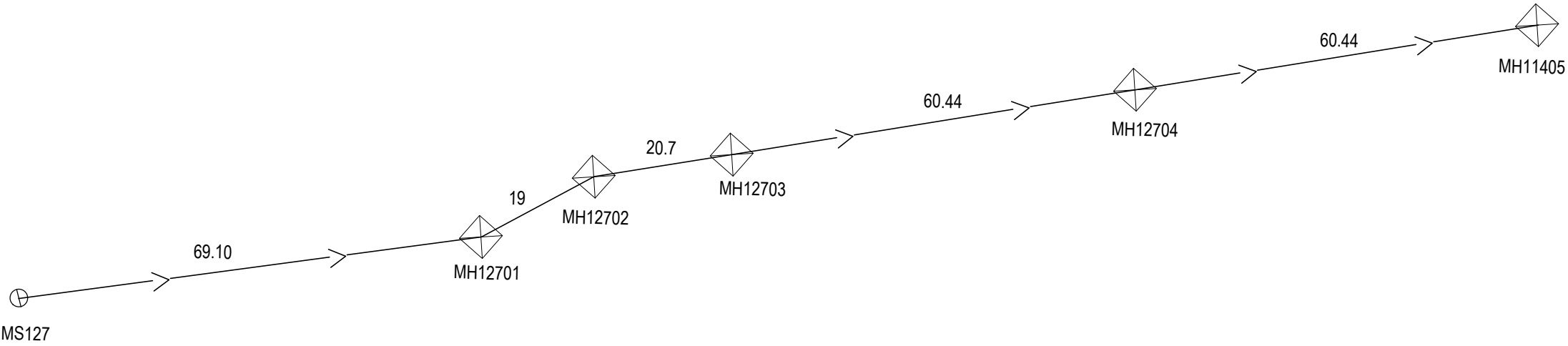


PROFILE-01b

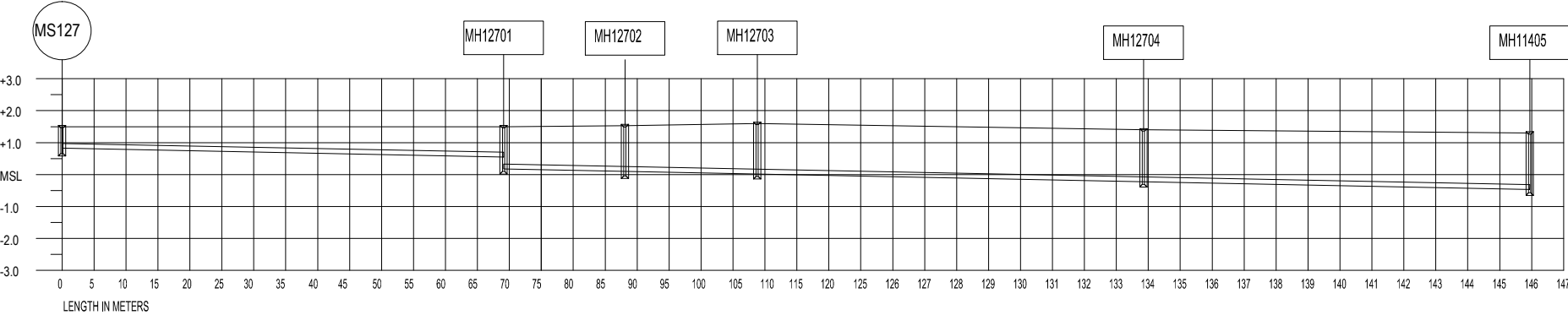


Manhole No	MH10109	MH10110	MH10111	LS-1
Ground Level (from MSL)	1.20	1.30	1.30	1.30
Invert Level	-0.67	-0.88	-1.09	-1.13
Depth of Manhole	1.87	2.18	2.39	2.43
Distance between Manhole	12.08	52.50	52.50	8.80
Pipeslope		0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm

CATCHMENT 01

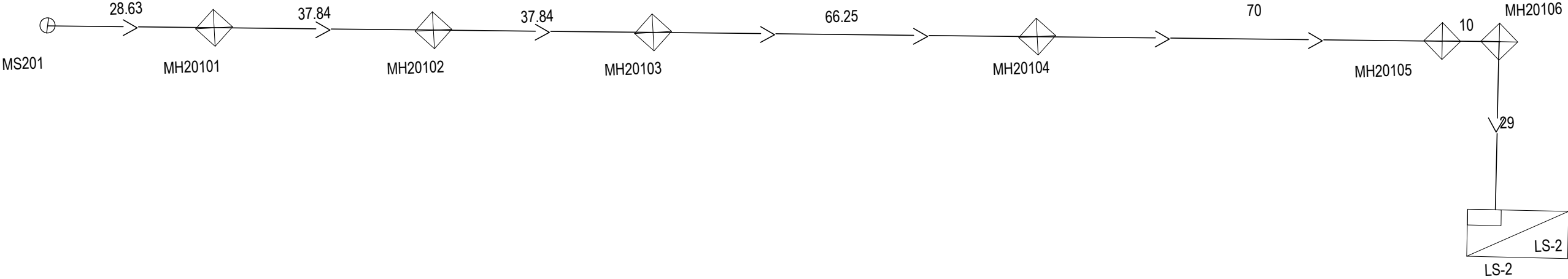


PROFILE-27

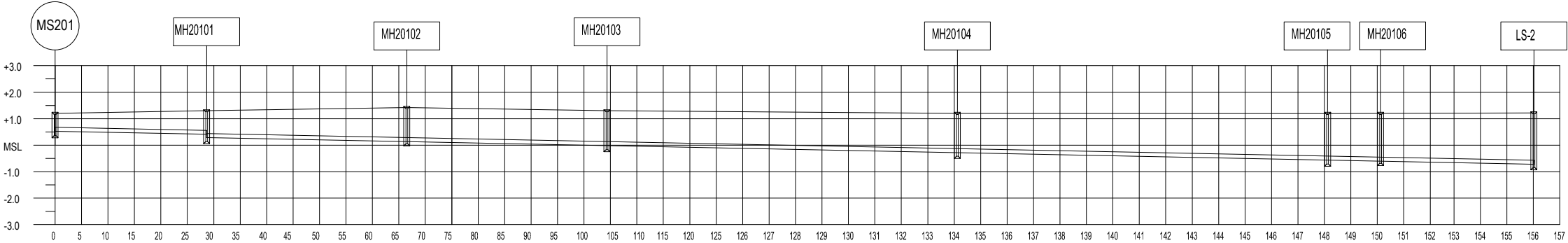


Manhole No	MS127	MH12701	MH12702	MH12703	MH12704	MH11405
Ground Level (from MSL)	1.50	1.50	1.53	1.60	1.40	1.30
Invert Level	0.90	0.25	0.17	0.09	-0.15	-0.39
Depth of Manhole	0.60	1.25	1.36	1.51	1.55	1.69
Distance between Manhole	0.00	69.10	19.00	20.70	60.44	60.44
Pipeslope		0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm

CATCHMENT 01



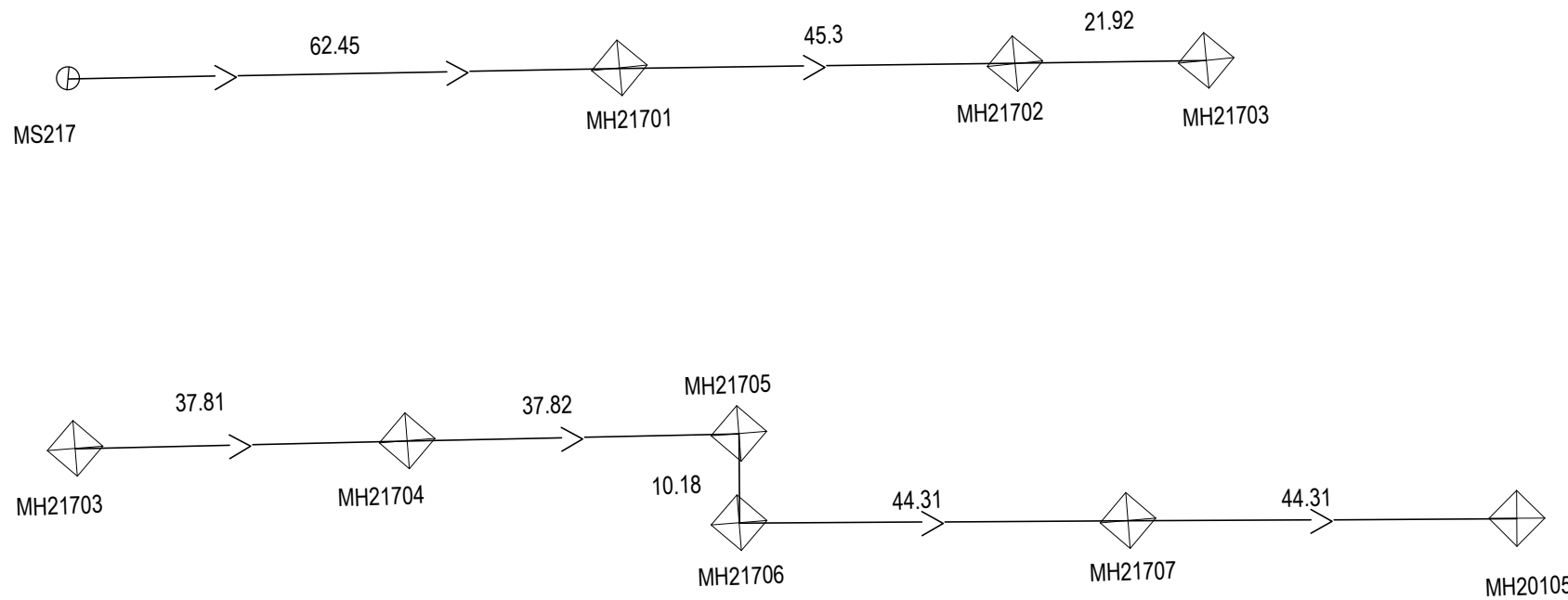
PROFILE-01



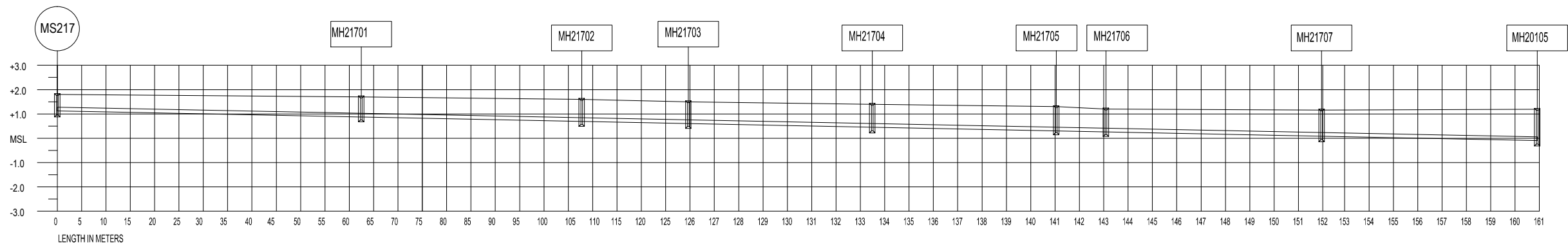
LENGTH IN METERS

Manhole No	MS201	MH20101	MH20102	MH20103	MH20104	MH20105	MH20106	LS-2
Ground Level (from MSL)	1.20	1.30	1.42	1.30	1.20	1.19	1.20	1.10
Invert Level	0.60	0.49	0.33	-0.63	-0.90	-1.18	-1.22	-1.33
Depth of Manhole	0.60	0.81	1.09	1.93	2.10	2.37	2.42	2.43
Distance between Manhole	0.00	28.63	37.84	37.84	66.25	70.00	10.00	29.00
Pipeslope		0.004	0.004	0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm	150mm	150mm

CATCHMENT 02



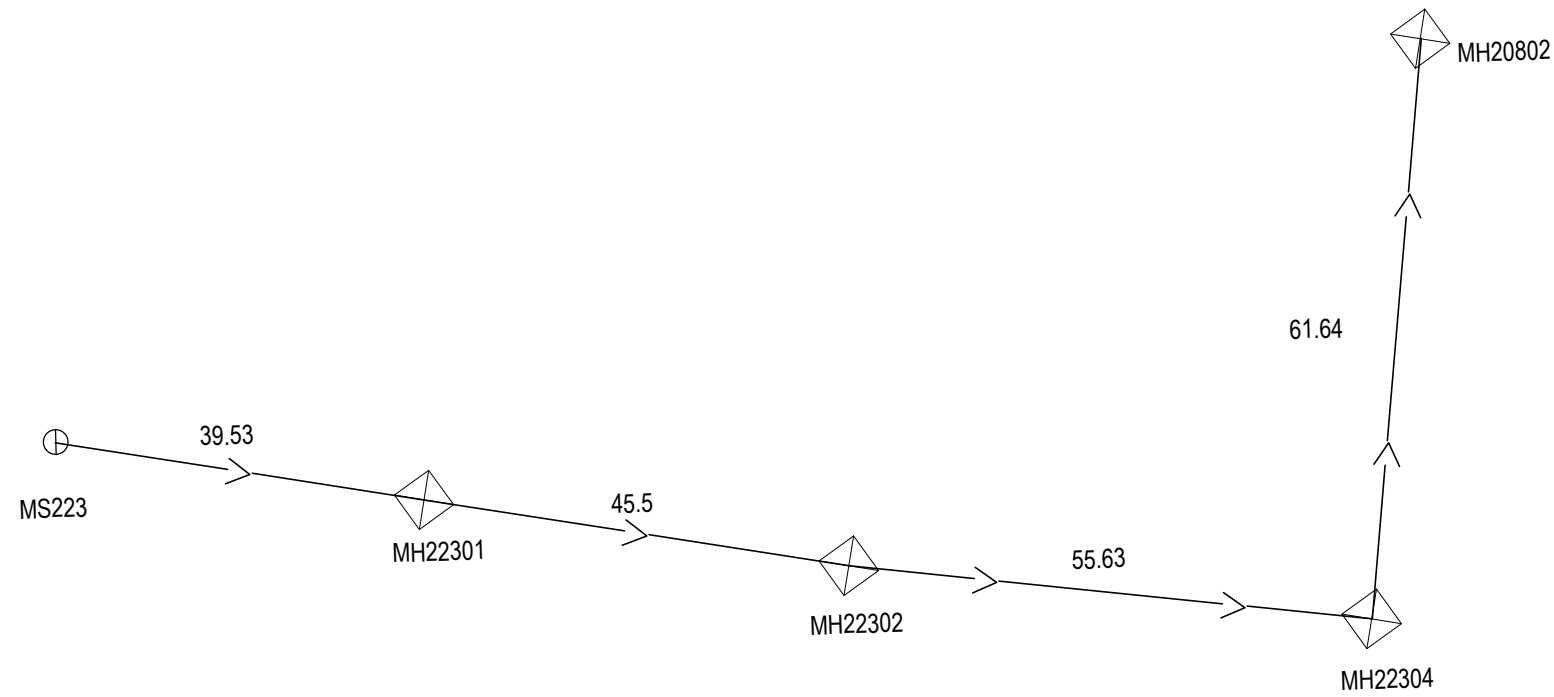
PROFILE-17



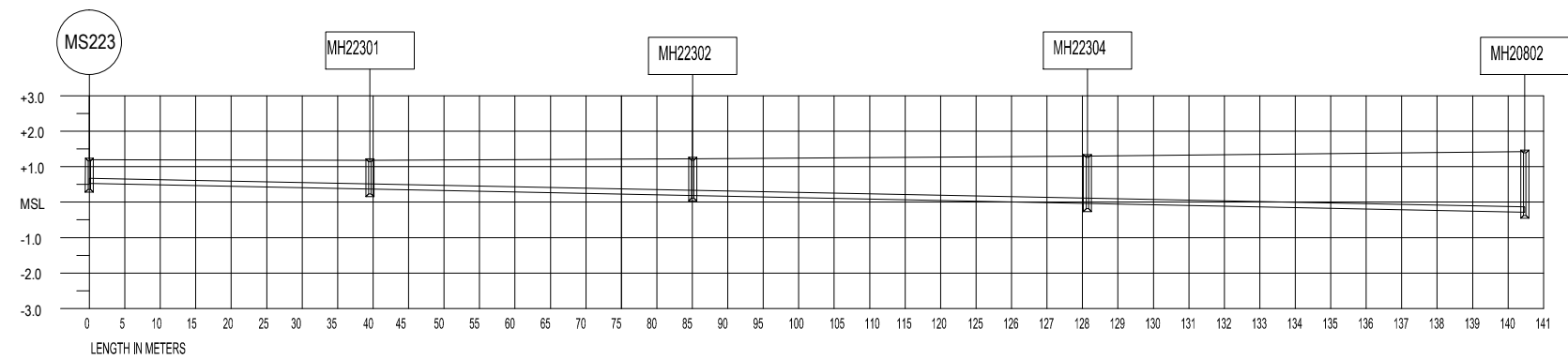
Manhole No	MS217	MH21701	MH21702	MH21703	MH21704	MH21705	MH21706	MH21707	MH20105
Ground Level (from MSL)	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.16	1.19
Invert Level	1.20	0.95	0.77	0.68	0.53	0.38	0.34	0.16	-0.02
Depth of Manhole	0.60	0.75	0.83	0.82	0.87	0.92	0.86	1.00	1.21
Distance between Manhole	0.00	62.45	45.30	21.92	37.81	37.82	10.18	44.31	44.31
Pipeslope		0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm	150mm	150mm	150mm

CATCHMENT 02

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
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								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
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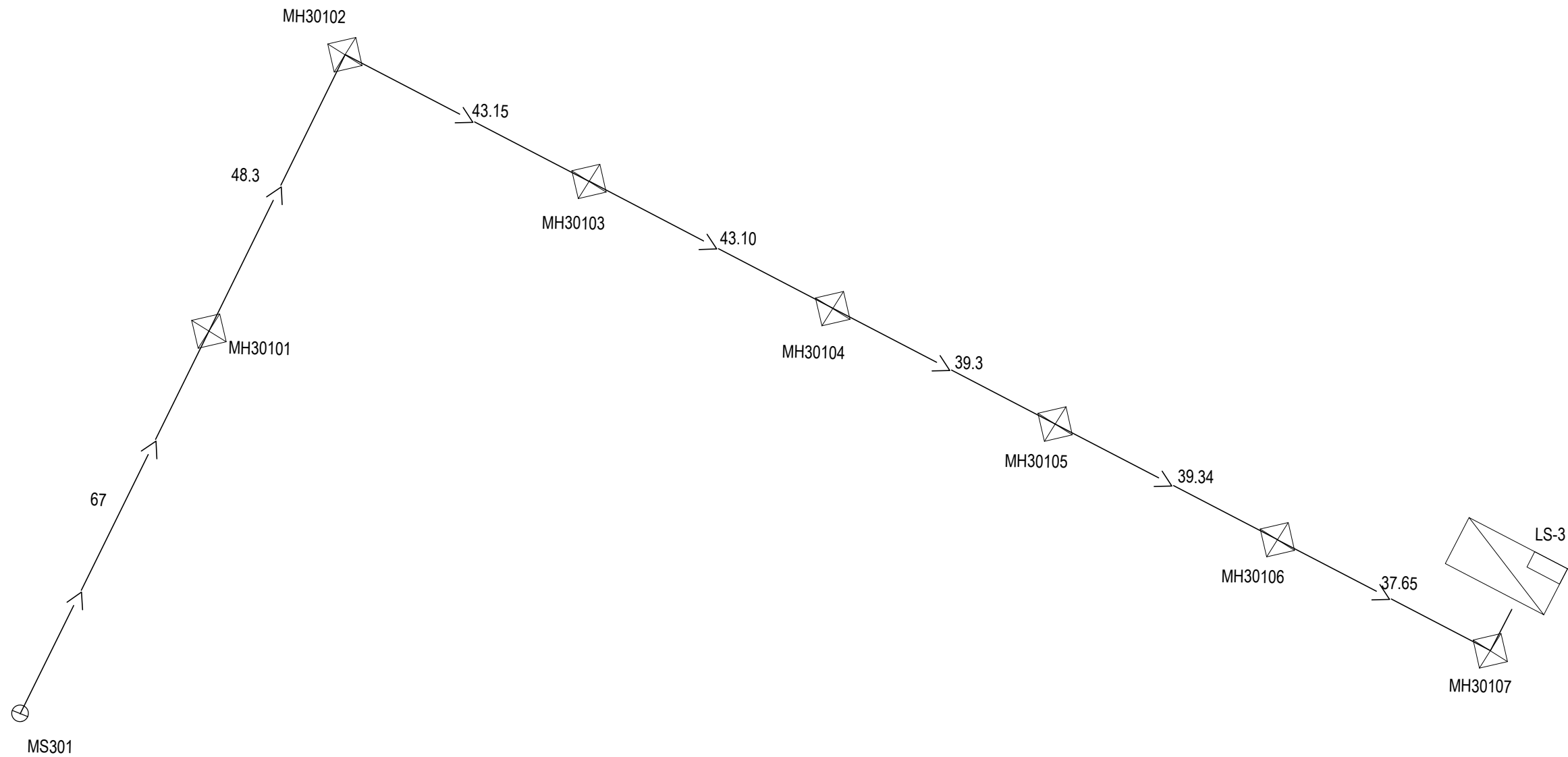
PROFILE-23



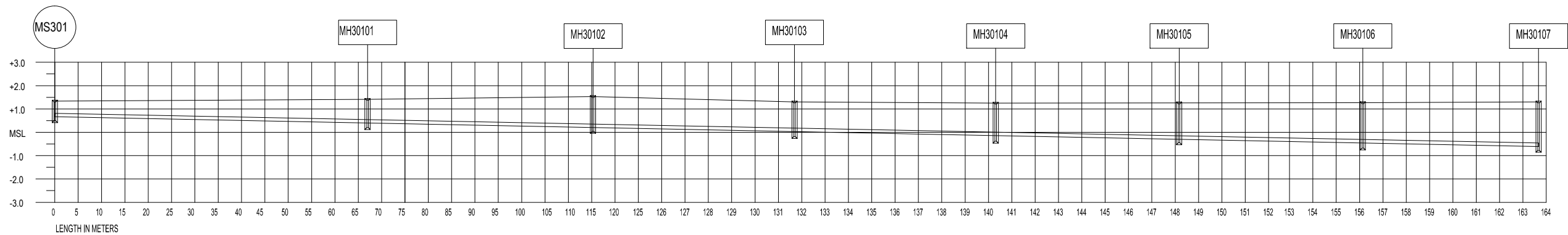
Manhole No	MS223	MH22301	MH22302	MH22304	MH20802
Ground Level (from MSL)	1.20	1.18	1.22	1.30	1.43
Invert Level	0.60	0.44	0.26	0.04	-0.21
Depth of Manhole	0.60	0.74	0.96	1.26	1.64
Distance between Manhole	0.00	39.53	45.50	55.63	61.64
Pipeslope		0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm

CATCHMENT 02

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.6 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



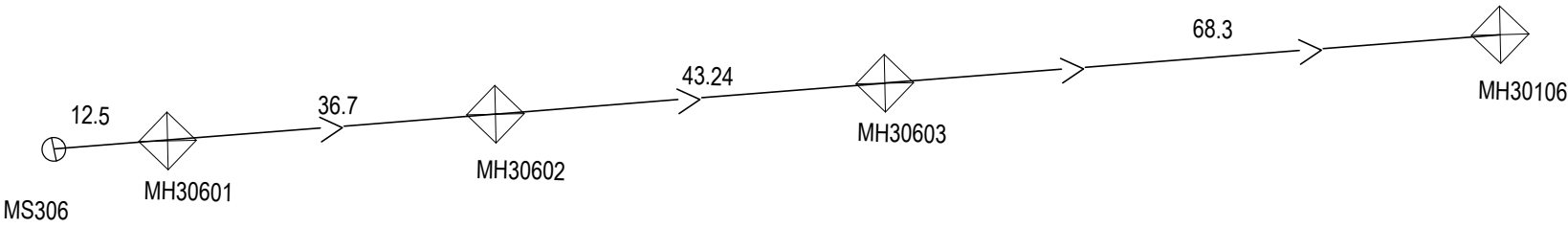
PROFILE-01



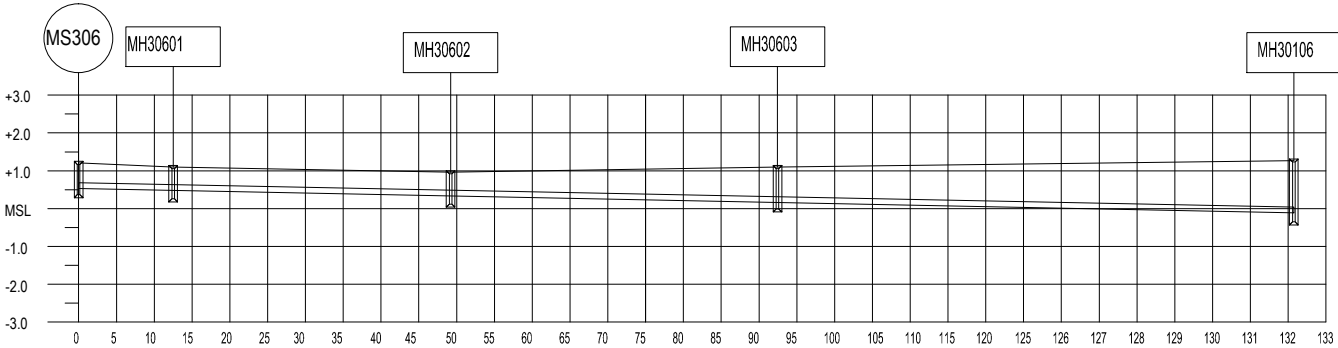
Manhole No	MS301	MH30101	MH30102	MH30103	MH30104	MH30105	MH30106	MH30107
Ground Level (from MSL)	1.34	1.41	1.53	1.30	1.25	1.26	1.27	1.30
Invert Level	0.74	0.47	0.28	0.11	-0.07	-0.22	-0.38	-0.53
Depth of Manhole	0.60	0.94	1.25	1.19	1.32	1.48	1.65	1.83
Distance between Manhole	0.00	67.00	48.30	43.15	43.10	39.30	39.34	37.65
Pipeslope		0.004	0.004	0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm	150mm	150mm

CATCHMENT 03

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.7 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



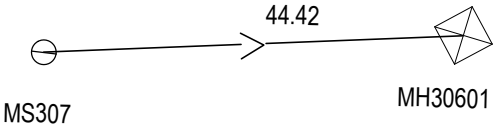
PROFILE-06



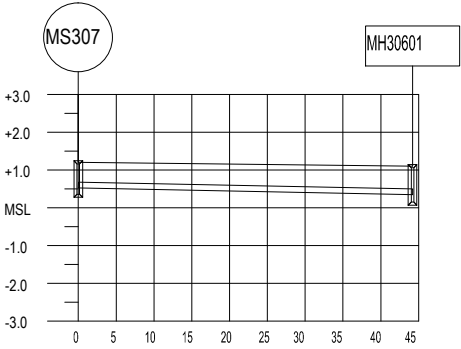
LENGTH IN METERS

Manhole No	MS306	MH30601	MH30602	MH30603	MH30106
Ground Level (from MSL)	1.21	1.10	0.96	1.30	1.25
Invert Level	0.61	0.56	0.41	0.24	-0.03
Depth of Manhole	0.60	0.54	0.55	1.06	1.28
Distance between Manhole	0.00	12.50	36.70	43.24	68.30
Pipeslope		0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm

CATCHMENT 03



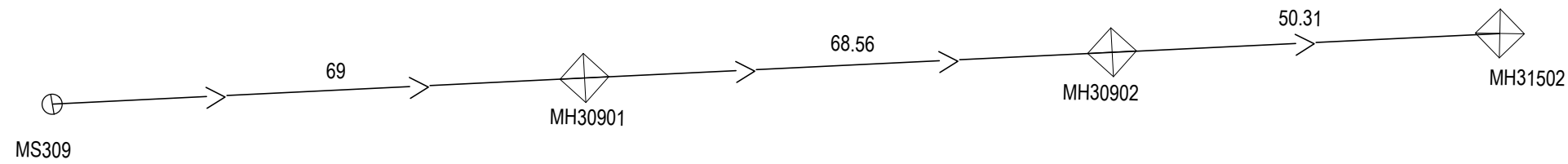
PROFILE-07



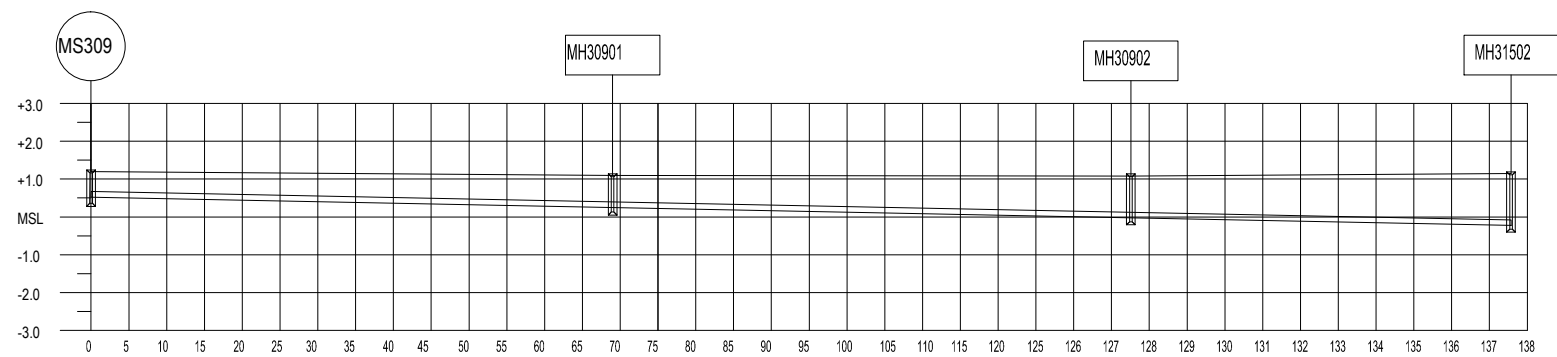
LENGTH IN METERS

Manhole No	MS307	MH30601
Ground Level (from MSL)	1.20	1.10
Invert Level	0.60	0.42
Depth of Manhole	0.60	0.68
Distance between Manhole	0.00	44.20
Pipeslope		0.004
Pipe diameter		150mm

CATCHMENT 03



PROFILE-09

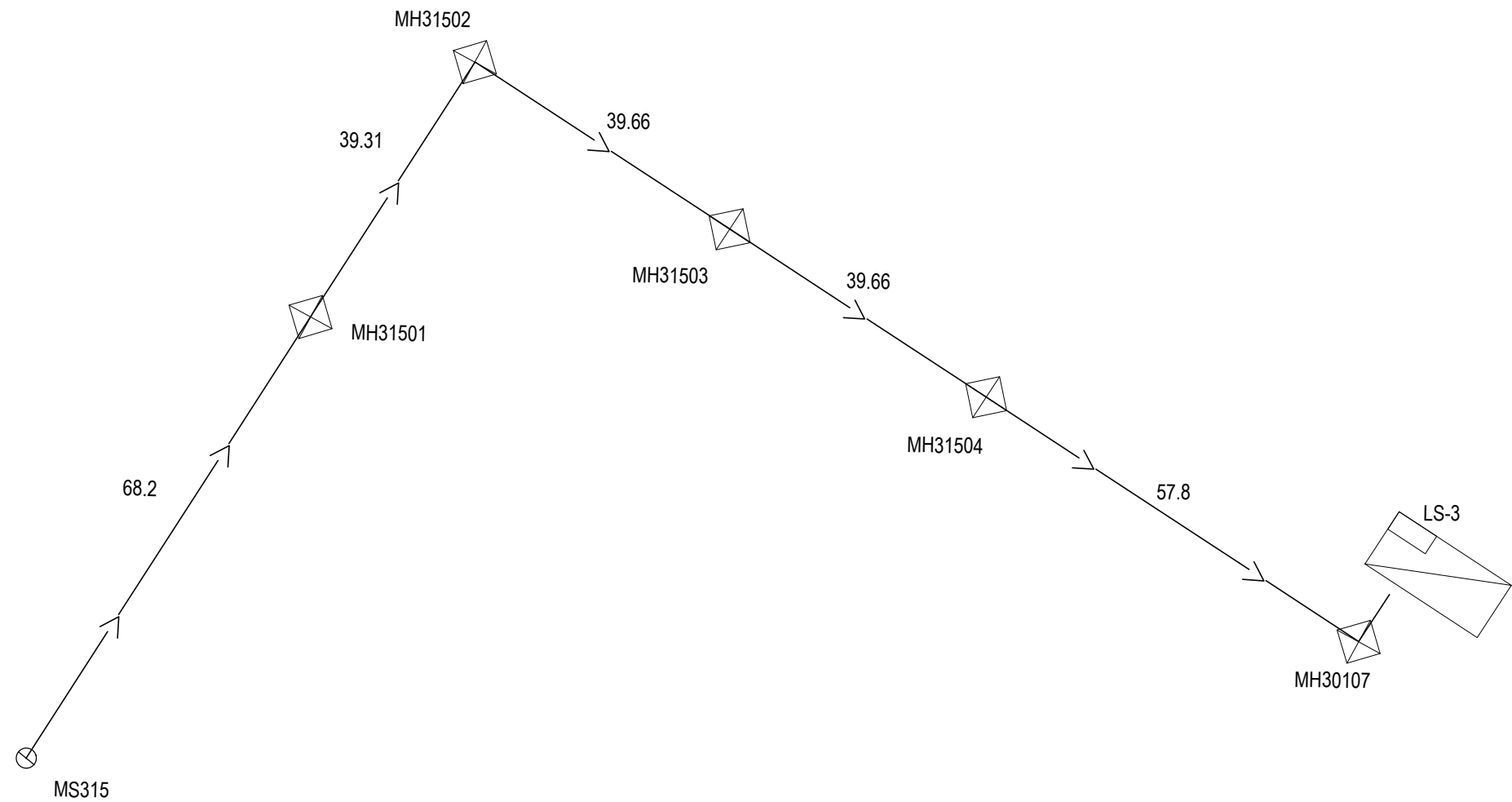


LENGTH IN METERS

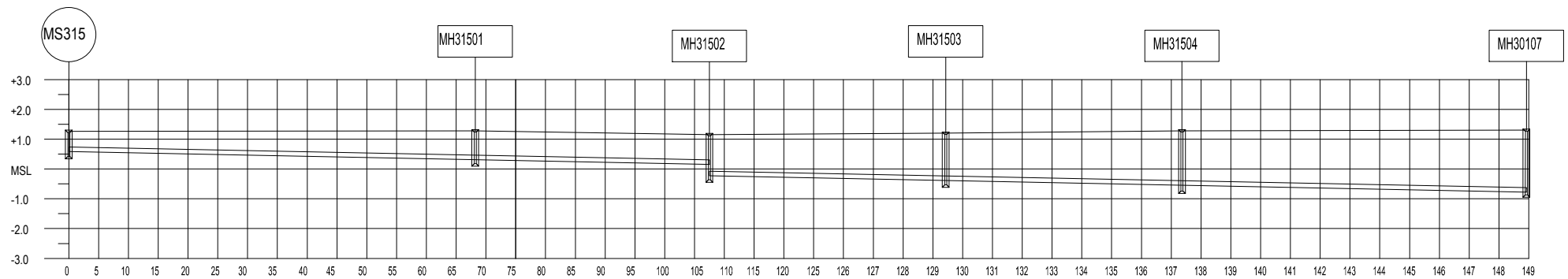
Manhole No	MS309	MH30901	MH30902	MH31502
Ground Level (from MSL)	1.20	1.10	1.08	1.15
Invert Level	0.60	0.32	0.05	-0.15
Depth of Manhole	0.60	0.78	1.03	1.30
Distance between Manhole	0.00	69.00	68.56	50.31
Pipeslope		0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm

CATCHMENT 03

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.9 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



PROFILE-15

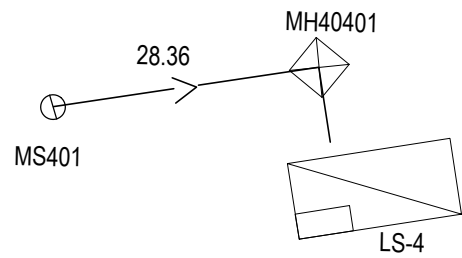


LENGTH IN METERS

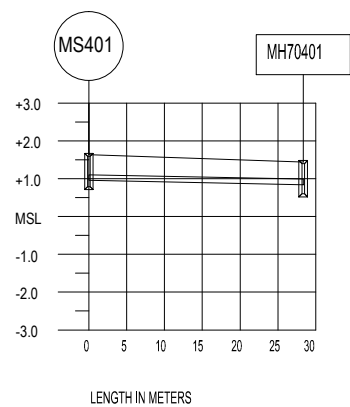
Manhole No	MS315	MH31501	MH31502	MH31503	MH31504	MH30107
Ground Level (from MSL)	1.26	1.28	1.15	1.20	1.28	1.30
Invert Level	0.66	0.39	-0.15	-0.31	-0.47	-0.70
Depth of Manhole	0.60	0.89	1.30	1.51	1.75	2.00
Distance between Manhole	0.00	68.20	39.31	39.66	39.66	57.80
Pipeslope		0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm

CATCHMENT 03

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.10
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	Sheet No.
								Date:	28.Mar.2016	
								Scale:	As given	



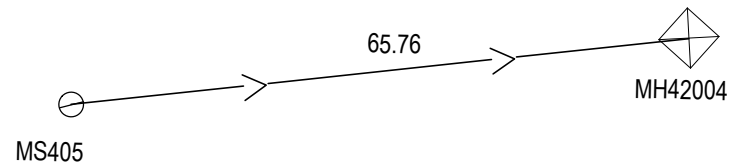
PROFILE-01



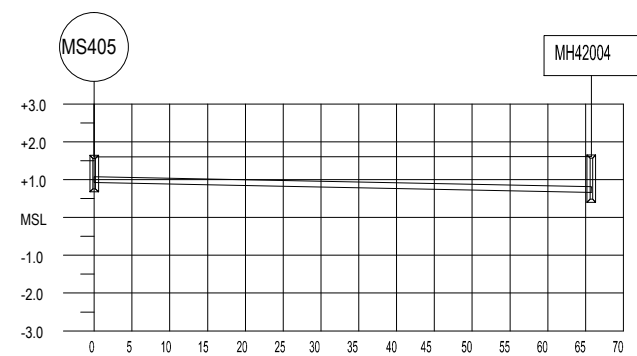
LENGTH IN METERS

Manhole No	MS401	MH40401
Ground Level (from MSL)	1.63	1.44
Invert Level	1.03	0.92
Depth of Manhole	0.60	0.52
Distance between Manhole	0.00	28.36
Pipeslope		0.004
Pipe diameter		150mm

CATCHMENT 04



PROFILE-05

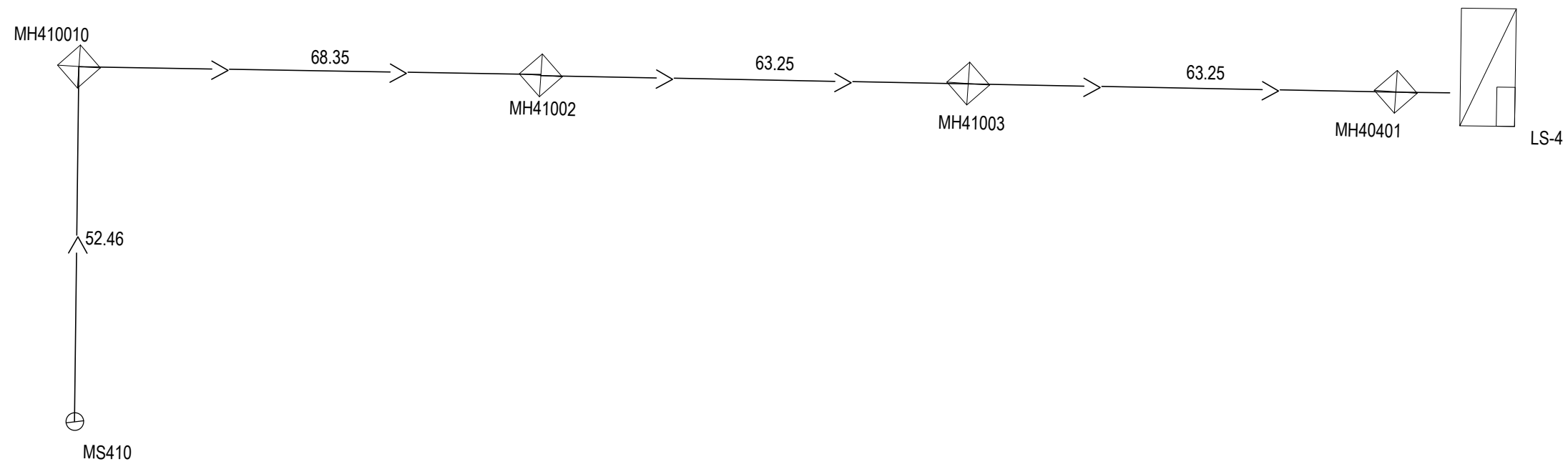


LENGTH IN METERS

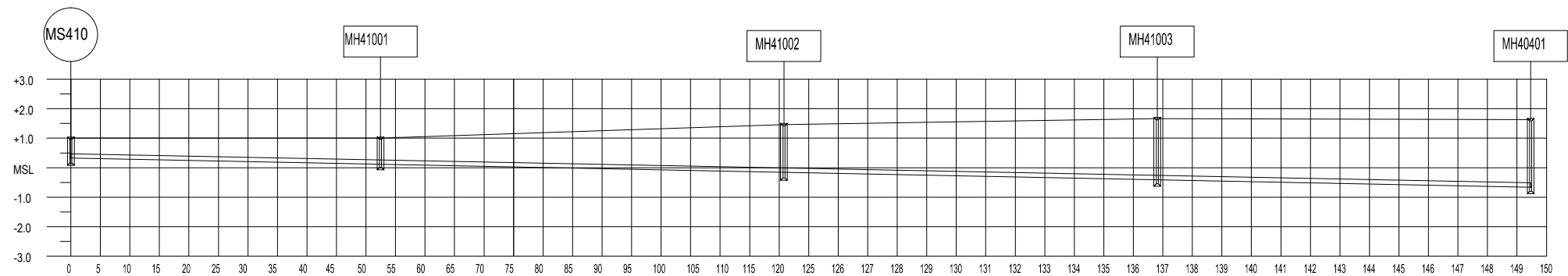
Manhole No	MS405	MH42004
Ground Level (from MSL)	1.60	1.61
Invert Level	1.00	0.74
Depth of Manhole	0.60	0.87
Distance between Manhole	0.00	65.76
Pipeslope		0.004
Pipe diameter		150mm

CATCHMENT 04

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.11
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	Sheet No.



PROFILE-10

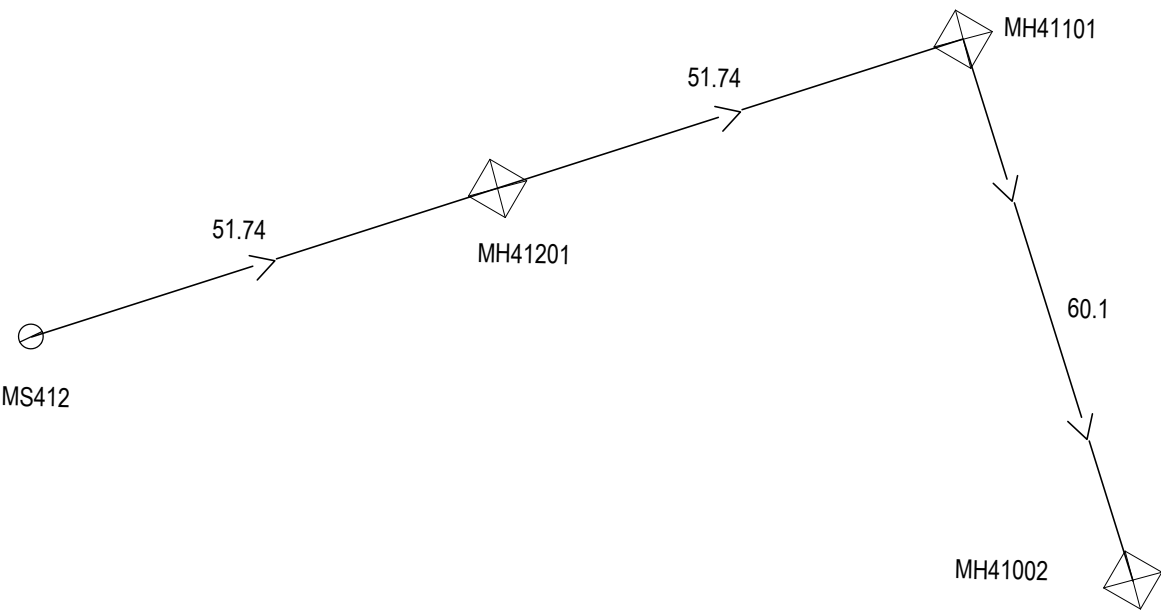
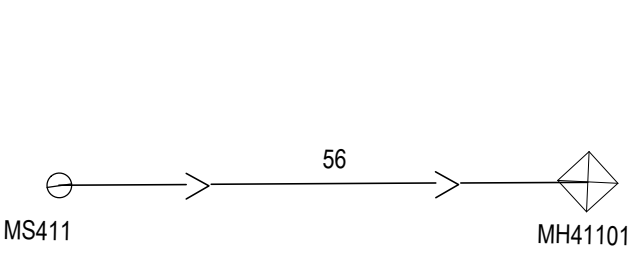


LENGTH IN METERS

Manhole No	MS410	MH41001	MH41002	MH41003	MH40401
Ground Level (from MSL)	1.00	1.00	1.46	1.64	1.44
Invert Level	0.40	0.19	-0.08	-0.34	-0.59
Depth of Manhole	0.60	0.81	1.54	1.98	2.03
Distance between Manhole	0.00	52.46	68.35	63.25	63.25
Pipeslope		0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm

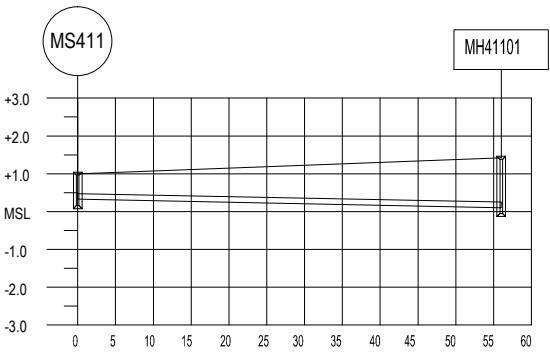
CATCHMENT 04

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaru	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.12 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



PROFILE-11

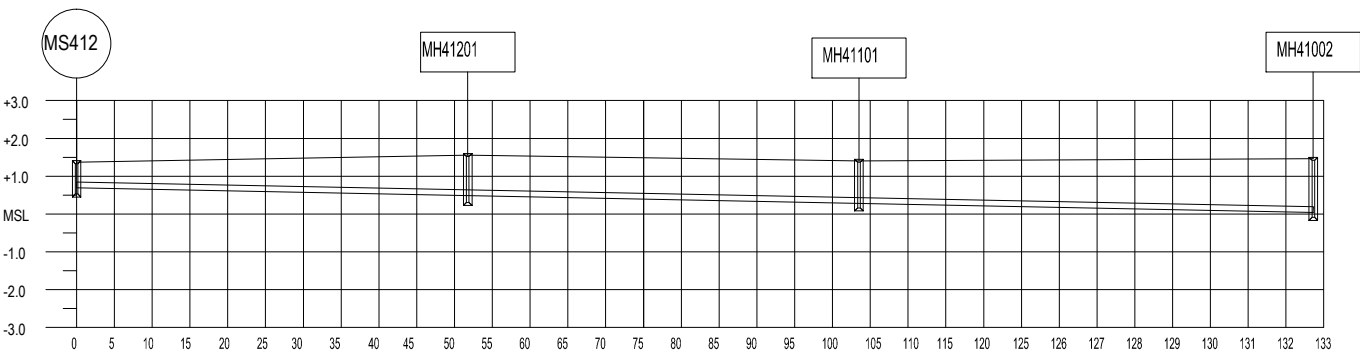
PROFILE-12



LENGTH IN METERS

Manhole No	MS411	MH41101
Ground Level (from MSL)	1.00	1.42
Invert Level	0.40	0.18
Depth of Manhole	0.60	1.24
Distance between Manhole	0.00	56.00
Pipeslope		0.004
Pipe diameter		150mm

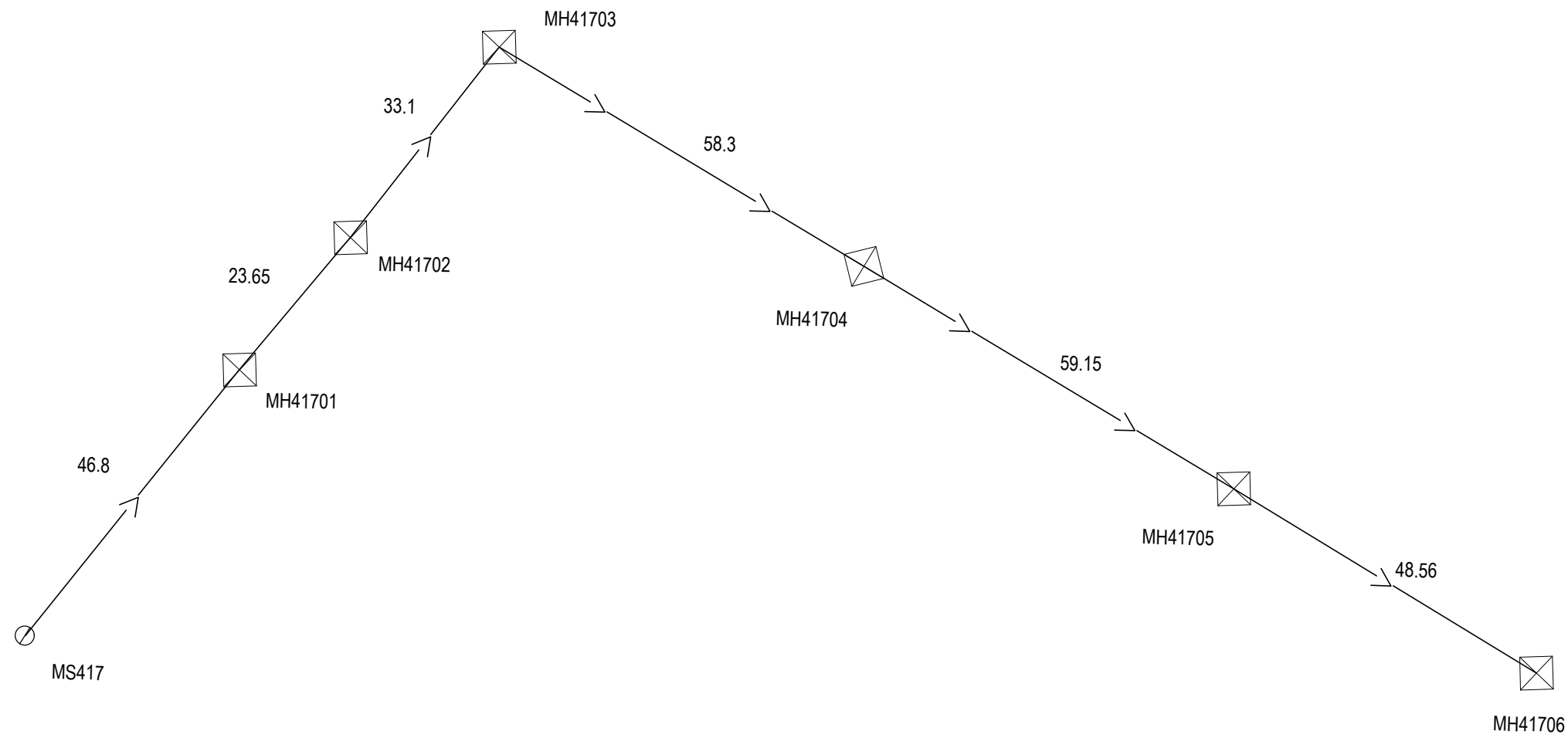
CATCHMENT 04



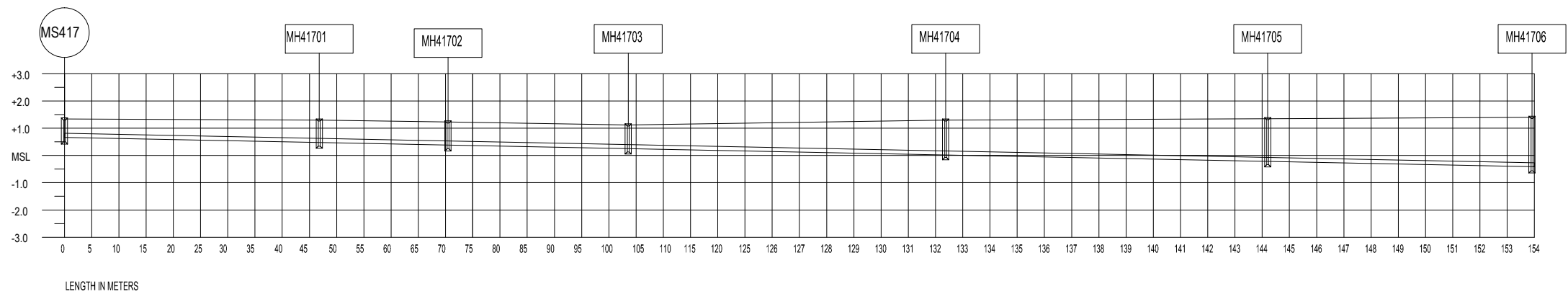
LENGTH IN METERS

Manhole No	MS412	MH41201	MH41101	MH41002
Ground Level (from MSL)	1.37	1.56	1.42	1.46
Invert Level	0.77	0.56	0.36	0.12
Depth of Manhole	0.60	1.00	1.06	1.34
Distance between Manhole	0.00	51.74	51.74	60.10
Pipeslope		0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm

CATCHMENT 04



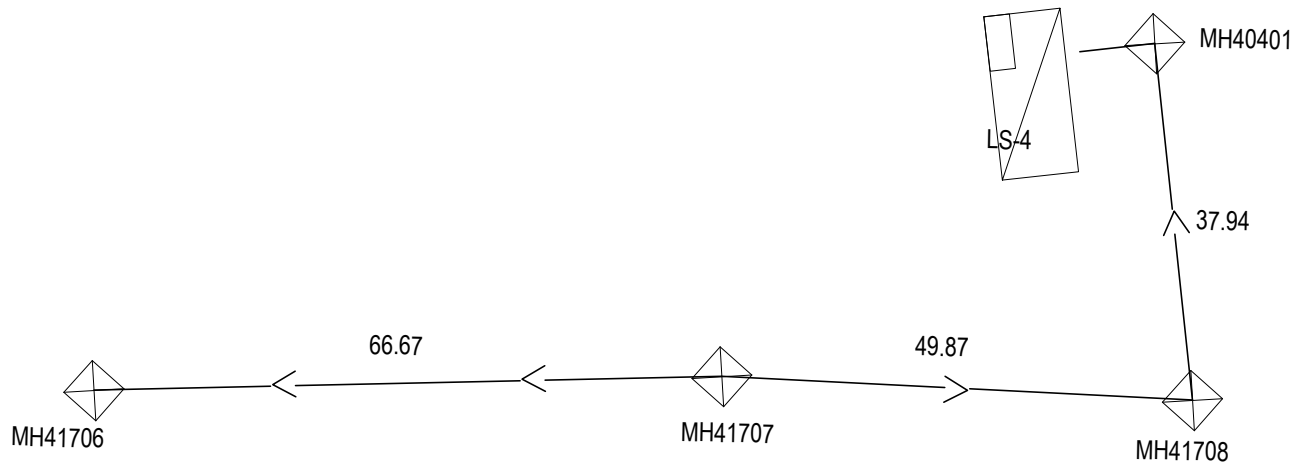
PROFILE-17



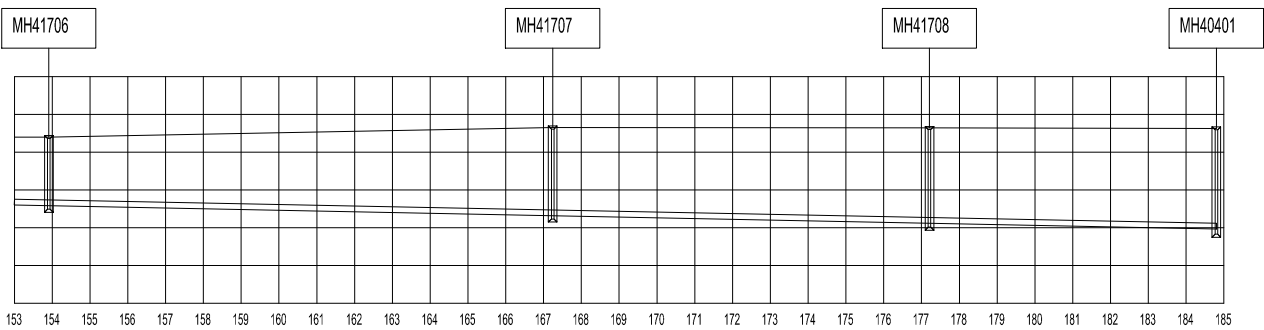
Manhole No	MS417	MH41701	MH41702	MH41703	MH41704	MH41705	MH41706
Ground Level (from MSL)	1.34	1.30	1.23	1.12	1.30	1.35	1.40
Invert Level	0.74	0.55	0.46	0.33	0.09	-0.14	-0.34
Depth of Manhole	0.60	0.75	0.77	0.79	1.21	1.49	1.74
Distance between Manhole	0.00	46.80	23.65	33.10	58.30	59.15	48.56
Pipeslope		0.004	0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm	150mm

CATCHMENT 04

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.14 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	

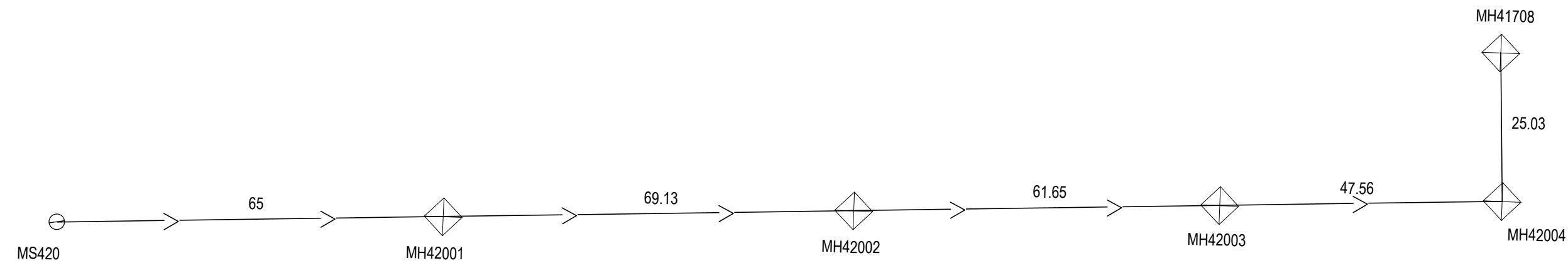


PROFILE-17

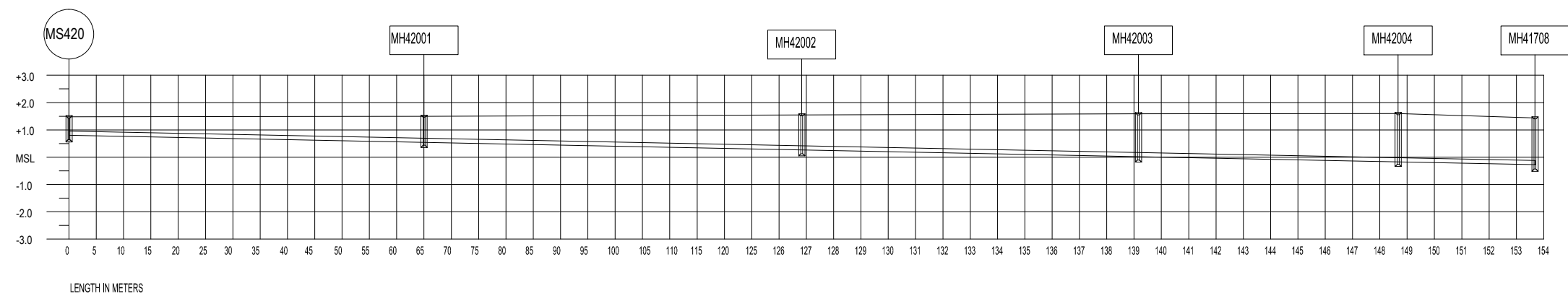


LENGTH IN METERS			
MH41706	MH41707	MH41708	MH40401
1.40	1.43	1.44	1.44
-0.34	-0.60	-0.80	-0.96
1.74	2.03	2.24	2.40
48.56	66.67	49.87	37.94
0.004	0.004	0.004	0.004
150mm	150mm	150mm	150mm

CATCHMENT 04



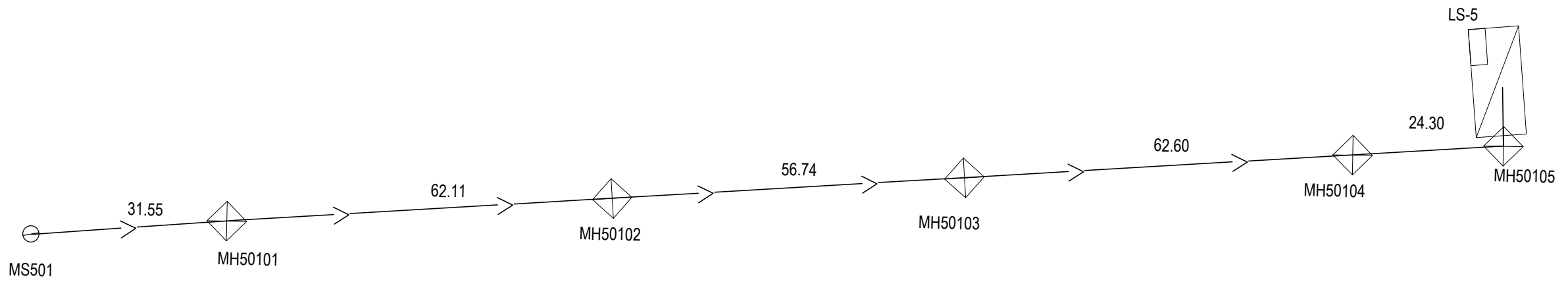
PROFILE-20



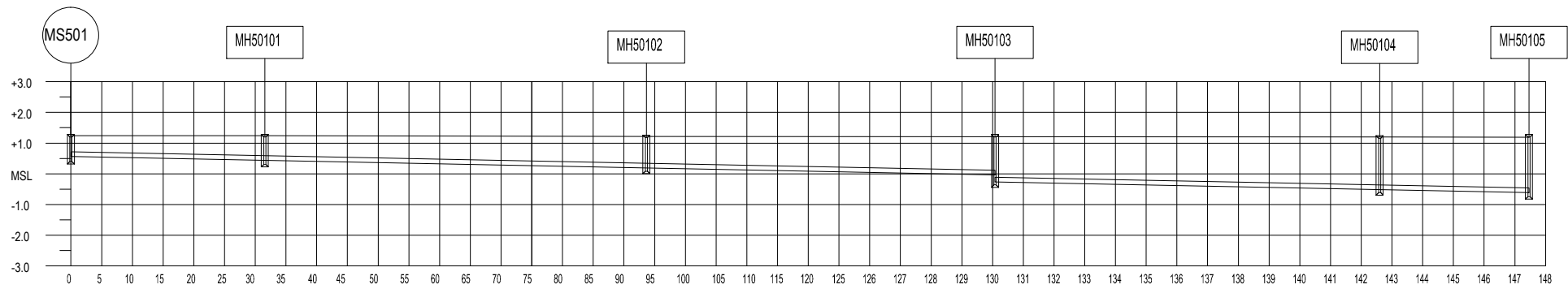
Manhole No	MS420	MH42001	MH42002	MH42003	MH42004	MH41708
Ground Level (from MSL)	1.48	1.50	1.55	1.59	1.60	1.44
Invert Level	0.88	0.62	0.34	0.10	-0.09	-0.19
Depth of Manhole	0.60	0.88	1.21	1.49	1.69	1.63
Distance between Manhole	0.00	65.00	69.13	61.65	47.56	25.03
Pipeslope		0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm

CATCHMENT 04

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.16 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



PROFILE-01

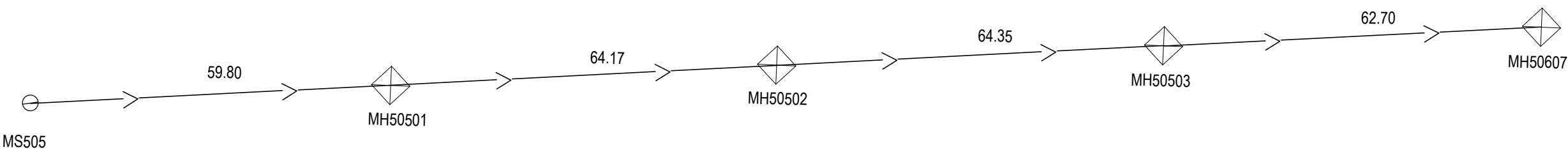


LENGTH IN METERS

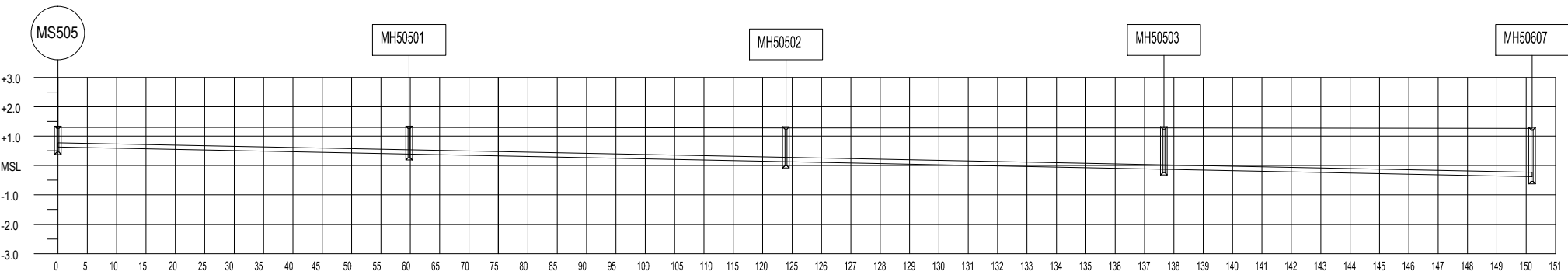
Manhole No	MS501	MH50101	MH50102	MH50103	MH50104	MH50105
Ground Level (from MSL)	1.24	1.24	1.22	1.21	1.20	1.19
Invert Level	0.64	0.51	0.27	-0.19	-0.44	-0.54
Depth of Manhole	0.60	0.73	0.95	1.40	1.64	1.73
Distance between Manhole	0.00	31.55	62.11	56.74	62.60	24.30
Pipeslope		0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm

CATCHMENT 05

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.17 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
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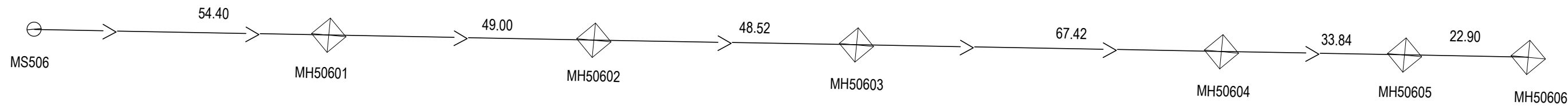


PROFILE-05

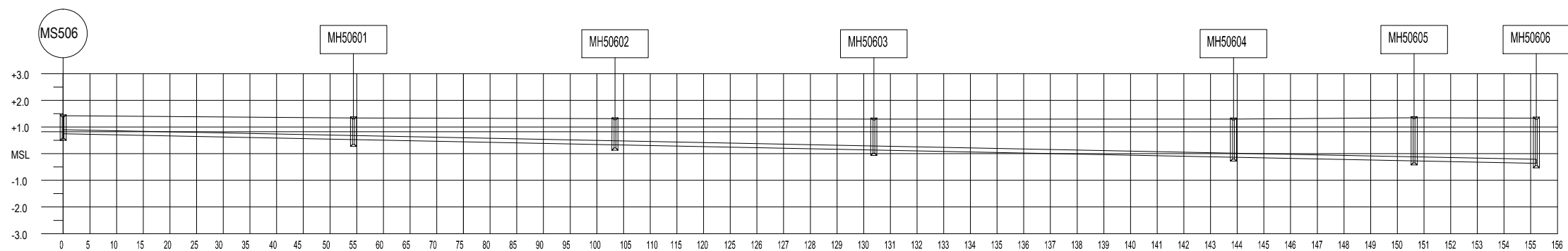


Manhole No	MS505	MH50501	MH50502	MH50503	MH50607
Ground Level (from MSL)	1.30	1.30	1.29	1.28	1.26
Invert Level	0.70	0.46	0.20	-0.05	-0.30
Depth of Manhole	0.60	0.84	1.09	1.33	1.56
Distance between Manhole	0.00	59.80	64.17	64.35	62.70
Pipeslope		0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm

CATCHMENT 05



PROFILE-06

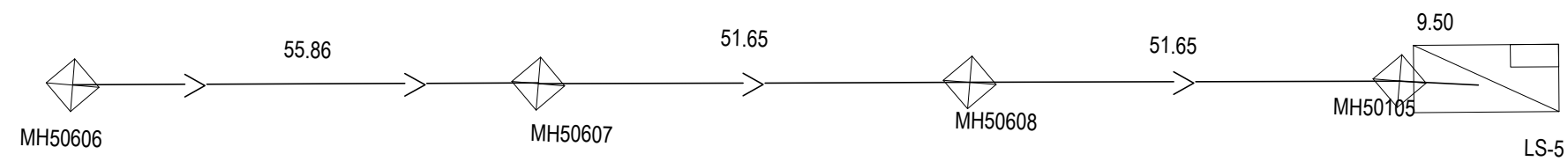


LENGTH IN METERS

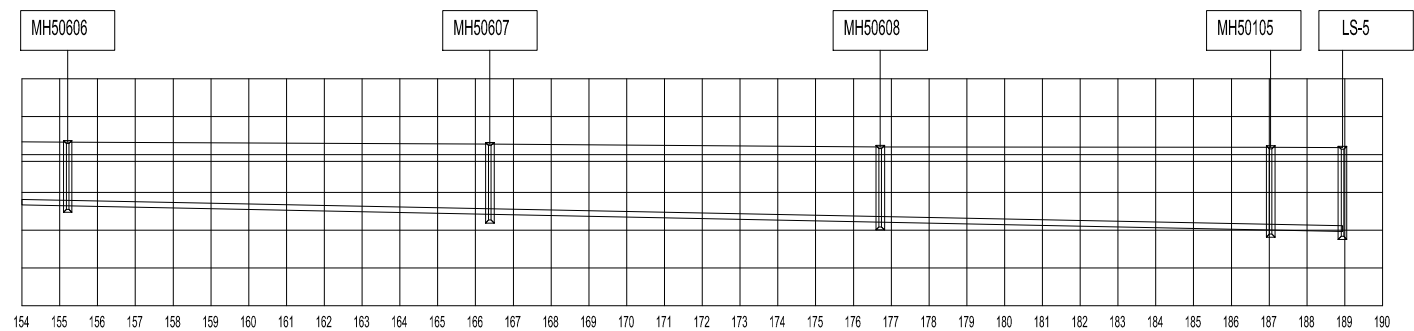
Manhole No	MS506	MH50601	MH50602	MH50603	MH50604	MH50605	MH50606	MH50607	MH50608	MH50105	LS-5
Ground Level (from MSL)	1.42	1.34	1.31	1.29	1.30	1.35	1.33	1.28	1.20	1.19	1.18
Invert Level	0.82	0.60	0.41	0.21	-0.06	-0.19	-0.28	-0.51	-0.71	-0.92	-0.96
Depth of Manhole	0.60	0.74	0.90	1.08	1.36	1.54	1.61	1.79	1.91	2.11	2.14
Distance between Manhole	0.00	54.40	49.00	48.52	67.42	33.84	22.90	55.86	51.65	51.65	9.50
Pipeslope		0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm	150mm	150mm	150mm	150mm	150mm

CATCHMENT 05

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
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								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



PROFILE-06

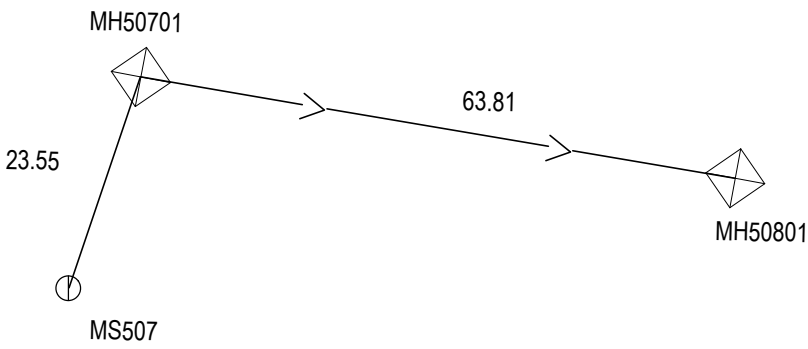


LENGTH IN METERS

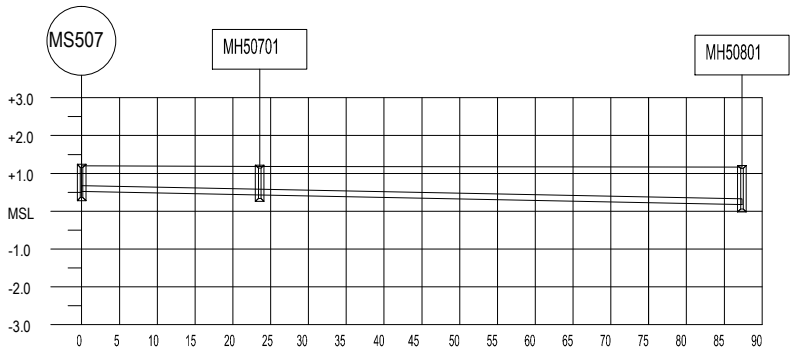
Manhole No	MS506	MH50601	MH50602	MH50603	MH50604	MH50605	MH50606	MH50607	MH50608	MH50105	LS-5
Ground Level (from MSL)	1.42	1.34	1.31	1.29	1.30	1.35	1.33	1.28	1.20	1.19	1.18
Invert Level	0.82	0.60	0.41	0.21	-0.06	-0.19	-0.28	-0.51	-0.71	-0.92	-0.96
Depth of Manhole	0.60	0.74	0.90	1.08	1.36	1.54	1.61	1.79	1.91	2.11	2.14
Distance between Manhole	0.00	54.40	49.00	48.52	67.42	33.84	22.90	55.86	51.65	51.65	9.50
Pipeslope		0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm	150mm	150mm	150mm	150mm	150mm	150mm

CATCHMENT 05

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.20 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	



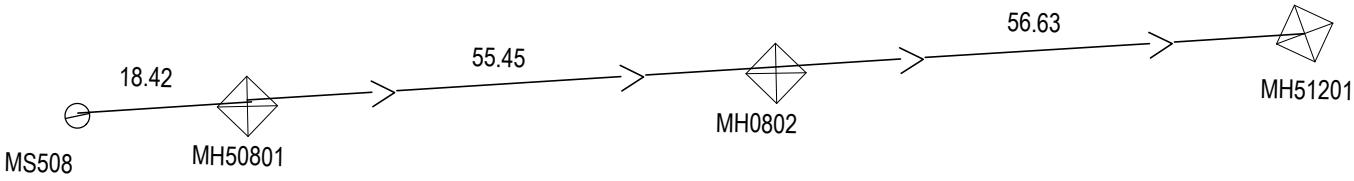
PROFILE-07



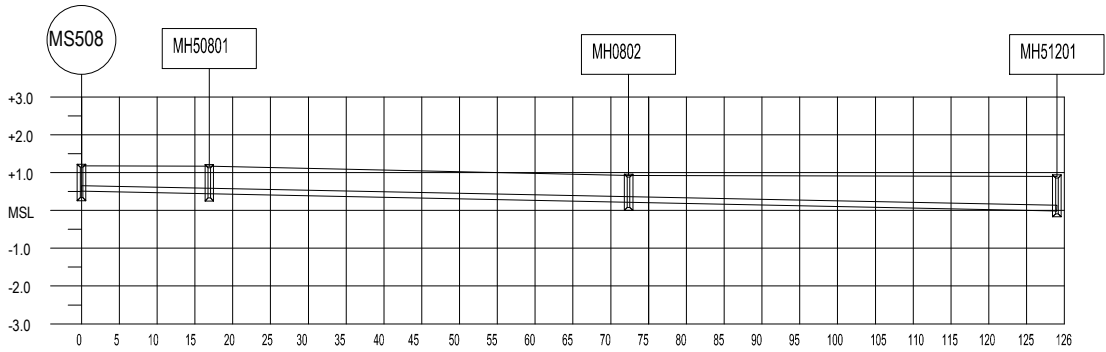
LENGTH IN METERS

Manhole No	MS507	MH50701	MH50801
Ground Level (from MSL)	1.20	1.18	1.17
Invert Level	0.60	0.51	0.25
Depth of Manhole	0.60	0.67	0.92
Distance between Manhole	0.00	23.55	63.81
Pipeslope		0.004	0.004
Pipe diameter		150mm	150mm

CATCHMENT 05



PROFILE-08

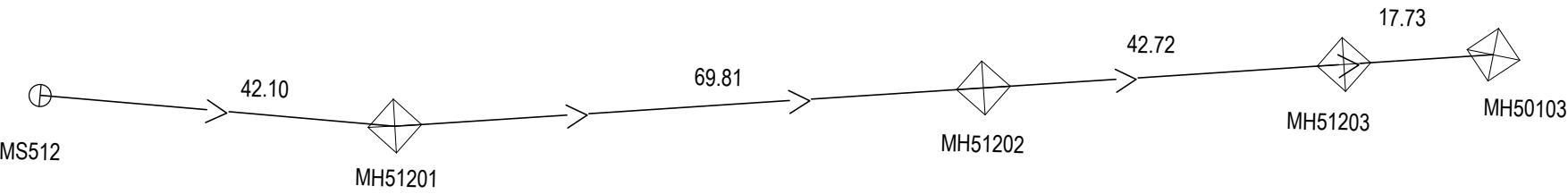


LENGTH IN METERS

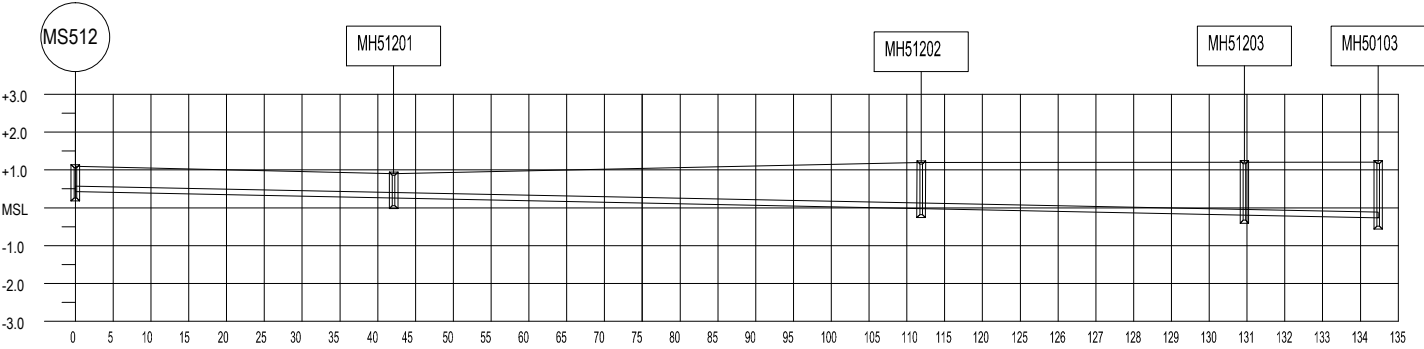
Manhole No	MS508	MH50801	MH0802	MH51201
Ground Level (from MSL)	1.18	1.17	0.92	0.90
Invert Level	0.58	0.51	0.28	0.06
Depth of Manhole	0.60	0.66	0.64	0.84
Distance between Manhole	0.00	18.42	55.45	56.63
Pipeslope		0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm

CATCHMENT 05

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.21
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	Sheet No.



PROFILE-12



LENGTH IN METERS

Manhole No	MS512	MH51201	MH51202	MH51203	MH50103
Ground Level (from MSL)	1.10	0.90	1.20	1.21	1.21
Invert Level	0.50	0.33	0.05	-0.12	-0.19
Depth of Manhole	0.60	0.57	1.15	1.33	1.40
Distance between Manhole	0.00	42.10	69.81	42.72	17.73
Pipeslope		0.004	0.004	0.004	0.004
Pipe diameter		150mm	150mm	150mm	150mm

CATCHMENT 05

Employer: MINISTRY OF ENVIRONMENT AND ENERGY REPUBLIC OF MALDIVES	Engineer MEECO 2nd Floor, Aakakaage-1, Galolhu, Alikilegefaanu Magu Malé, 20129 Republic of Maldives (+960) 301-0855, (+960) 301-0844 info@meeco.com.mv	Project: DESIGN CONSULTANCY FOR ADDU ATOL 5 ISLANDS SEWERAGE WORKS 2015 ISLAND: MARADHOO, MARADHOO FEYDHOO & FEYDHOO	Drawing Title: AS GIVEN	Legends:	Rev	Date	Notes by Engineer:	Drawn by:	Ahmed A.Saththaar	Drawing No.
						-		Hydraulic Designed by:	Hussain Shaheed	MA-SW-106.22 Sheet No.
								Structural Design by:	Hassan Nihad	
								Checked by:	Hussain Shaheed	
								Date:	28.Mar.2016	
								Scale:	As given	