



**Road Development Corporation Limited**  
Republic of Maldives

**Terms of Reference for**  
**Addendum to Environmental Impact Assessment report of**  
**Adh. Maamigili Road Development project**  
Date: 18.10.2022

**1. BACKGROUND**

Road Development Corporation Limited, an incorporated limited liability company operating under the registration number C10482019 and having its registered office at MSL Building, First Floor, Malé, Republic of Maldives (herein after called and referred to as “the Employer”,) wishes obtain services of a consultant/firm to study and propose addendum to EIA report of Adh. Maamigili Road Development project.

**2. SCOPE OF WORK.**

- A. Consultancy services for making addendum to Environmental Impact Assessment for Adh. Maamigili Road Development project, including the submission Fees and all related data collection.
- B. Amendments to be brought to EIA addendum:
  - a. Road Conceptual changes
  - b. Change in Sea Outfall Locations
  - c. Change in Pump Station numbers & locations
- C. Get Approval of from EPA.

**3. EMPLOYER’S CONTRIBUTION**

The employer shall grant access to all available materials, which may be required for the Consultant to perform their services.

**4. EVALUATION CRITERIA**

The submitted responsive bids will be evaluated under the following criteria.  
Educational Qualification certificates along with Project Completion Certificates must be submitted for validation.

#	Criteria	Weightage %
1	Price	30%
2	Experience & Qualification	70%

**4.1 Experience & Qualification requirements for consultancy (70%)**

The evaluation will be conducted in two stages, which are the Technical Evaluation stage and the Financial Evaluation stage. The details of the evaluation of the two stages are as follows.

**Stage 1: Technical Evaluation**

The objective of this stage is to evaluate the technical qualification of the bidders in terms of experience & qualification. Bidders who achieve 45% and higher out of 70% in this stage, will be qualified for the Financial Evaluation stage. Any bidder who does not achieve a minimum 45% in this stage, those bids will not be considered for further evaluation. The evaluation for this stage will be done by awarding points based on the following categories.

To provide the top-level performance of the assigned task(s), the Consultant shall utilize qualified staff (key personnel as well as support staff) and shall contribute to the preparation, testing, and amendments till the reports are approved from all relevant authorities. All specialists shall be certified professionals in their respective fields and will have to submit their certificates and CVs for validation. EIA Consultants must submit their EIA license copy along with a dated letter stating their association with the bidding party.

Consultants	Qualification & Experience Requirements	No.	Educational Qualification	Project Experience
			20%	50%
			Bachelor's Degree (20 marks)	Completed similar nature projects with a minimum contract value of MVR 100,000 each (Each project 5 marks, max. 10 projects)
<b>Key Experts</b>			<b>20 Marks</b>	<b>50 Marks</b>
<b>Environmental / Hydrological specialist</b>	<b>Minimum Bachelor's Degree in Environmental Engineering/Environmental Science/Environmental Management or related field Must be a licensed EIA consultant 5 years of experience in subject field</b>	<b>1</b>		
<b>TOTAL MARKS</b>			<b>70 Marks</b>	

The Consultant should utilize the following personnel.

**5. EMPLOYER'S CONTRIBUTION**

The Employer will grant access to all available materials which may be required by the Consultant to perform their services.

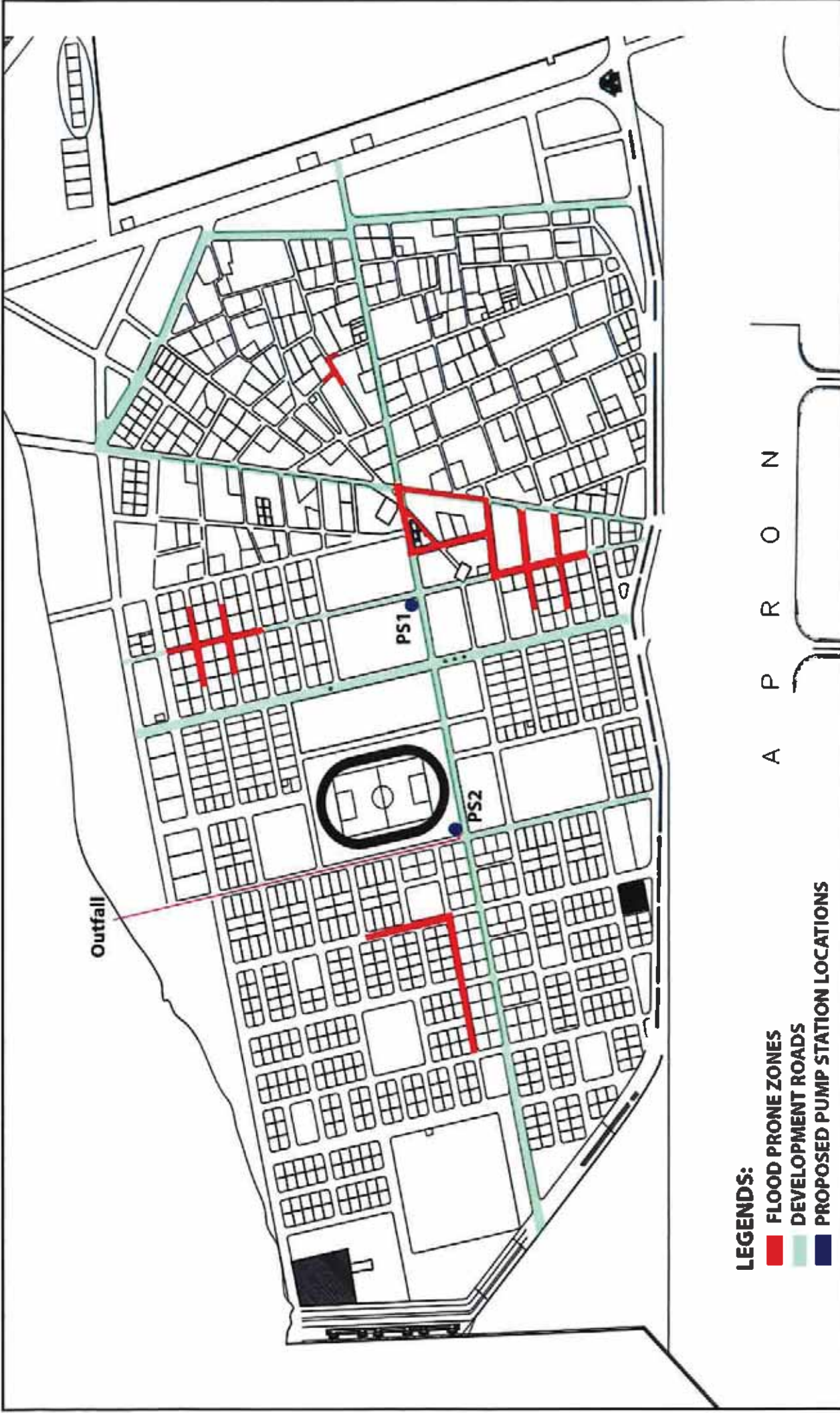
**6. DURATION OF THE ASSIGNMENT**

The expected duration of the consultant assignment is **30 days**.

## 7. CONSULTANT'S REPORTING OBLIGATIONS

The Consultant shall submit the following report(s) for approval and shall contribute to the preparation of the documents and amendments till the reports are approved by the relevant authorities. The report should be up to industry standards.


<b>Deliverables</b>	<b>Submission Date</b>	<b>Language</b>
<b>Environmental Impact Assessment Report</b>	<b>Within 30 calendar days from the commencement date</b>	<b>English</b>



**LEGENDS:**

- FLOOD PRONE ZONES
- DEVELOPMENT ROADS
- PROPOSED PUMP STATION LOCATIONS

A P P R O X

<b>PROJECT: DESIGN &amp; BUILD OF ADH.MAAMIGILI MAJOR ROADS</b>			DRAWN BY: ALI ZAMEER
CLIENT:	CONTRACTOR:	DRAWING TITLE:	APPROVED BY: MOHAMMED SHARIEF
MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE, REPUBLIC OF MALDIVES	ROAD DEVELOPMENT CORPORATION LTD ORCHID MAGU MAAFANNU, MALE, REPUBLIC OF MALDIVES	ADH. MAAMIGILI LAND APPROVAL	PROJECT NO: MAA-RC-2020-03
			DRAWING NO: 01
			SCALE: NTS
			DATE: JULY 2020

# DRAINAGE LAYOUT / Adh. MAAMIGILI

## LEGEND



PUMP STATION



SETTLEMENT TANK SINGLE PIPE



SETTLEMENT TANK DOUBLE PIPE

ZONE 1&2 UPVC GRAVITY SDR 41 CONDUIT (300mm)



ZONE 3 UPVC GRAVITY SDR 41 CONDUIT (300mm)



ZONE 4&5 UPVC GRAVITY SDR 41 CONDUIT (300mm)



ZONE 6&7 UPVC GRAVITY SDR 41 CONDUIT (300mm)



ZONE 8 UPVC GRAVITY SDR 41 CONDUIT (300mm)

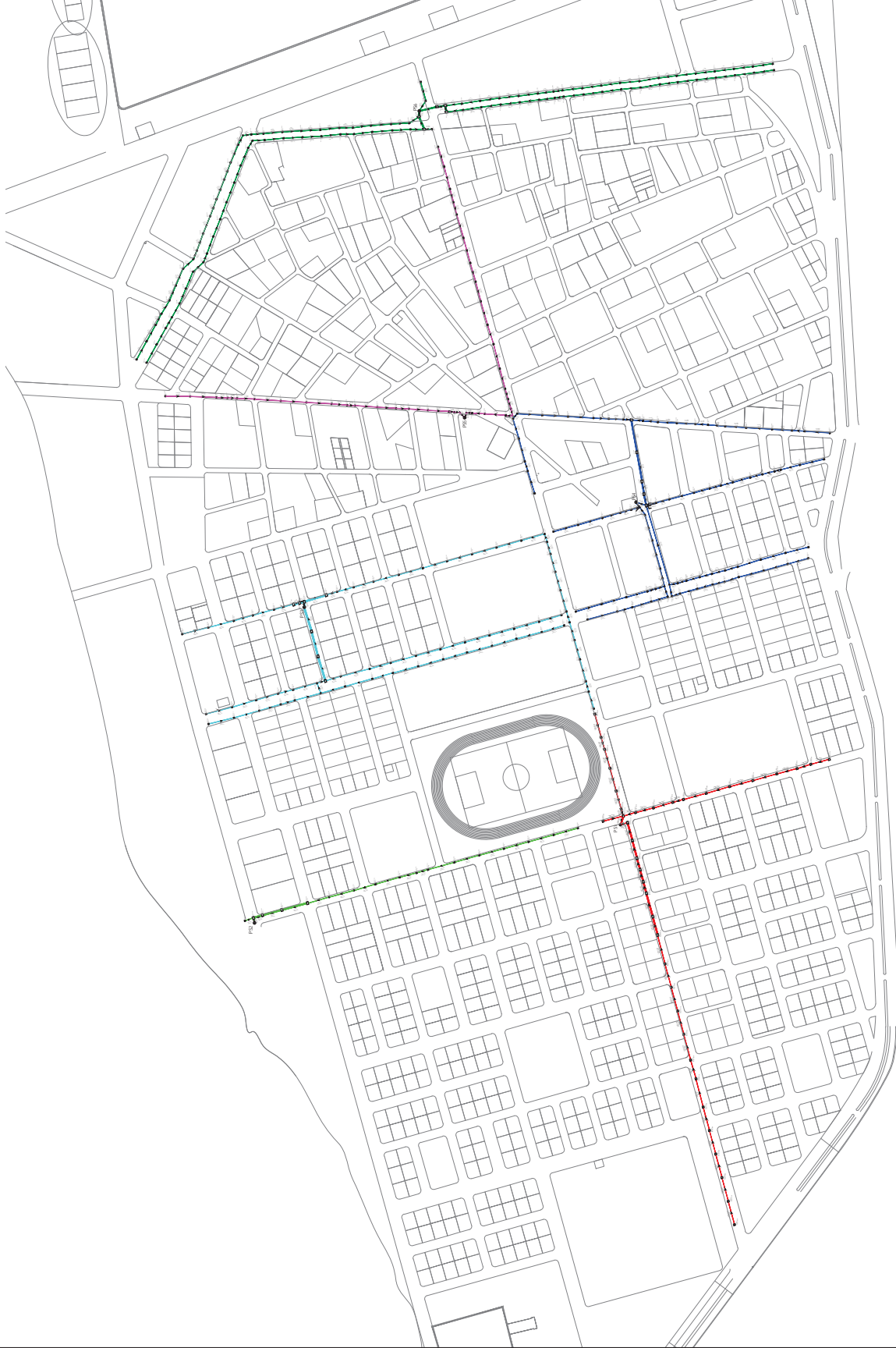


ZONE 9&10 UPVC GRAVITY SDR 41 CONDUIT (300mm)



PUMPING MAIN (PVI10) 200mm FROM PS to MAINS 315mm in MAINS

NOTE: ALL INVERTS TAKEN FROM IMSL



PROJECT:

**Adh. MAAMIGILI  
STORMWATER DESIGN**

CLIENT:

**RDC**

DESIGNED BY

ABDULLA RASHEED

CHECKED BY

-

DRAWN BY

ABDULLA RASHEED



**RAKENTA**

DESIGN / BUILD & CONSULTANCY  
H.F.#hoel . + 960 778 5656  
rakentamvc@gmail.com

REV:

PAGE:

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**B - 00**



# PRESSURE NETWORK LAYOUT / ADh.MAAMIGILI

## LEGEND

-  PUMP STATION
-  SETTLEMENT TANK SINGLE PIPE
-  SETTLEMENT TANK DOUBLE PIPE
-  ZONE 1&2 UPVC GRAVITY SDR 41 CONDUIT (300mm)
-  ZONE 3 UPVC GRAVITY SDR 41 CONDUIT (300mm)
-  ZONE 4&5 UPVC GRAVITY SDR 41 CONDUIT (300mm)
-  ZONE 6&7 UPVC GRAVITY SDR 41 CONDUIT (300mm)
-  ZONE 8 UPVC GRAVITY SDR 41 CONDUIT (300mm)
-  ZONE 9&10 UPVC GRAVITY SDR 41 CONDUIT (300mm)
-  PUMPING MAIN (PVI10)  
200mm FROM PS to MAINS  
3.15mm in MAINS

NOTE: ALL INVERTS TAKEN FROM MSL

## PROJECT:

**ADh. MAAMIGILI  
STORMWATER DESIGN**

## CLIENT:

RDC

DESIGNED BY ABDULLA RASHEED

CHECKED BY

DRAWN BY ABDULLA RASHEED



**RAKENTA**

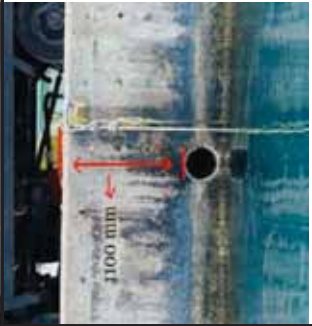
DESIGN / BUILD & CONSULTANCY  
11/2008 - 2/2017/16 5856  
rakenta@gmail.com

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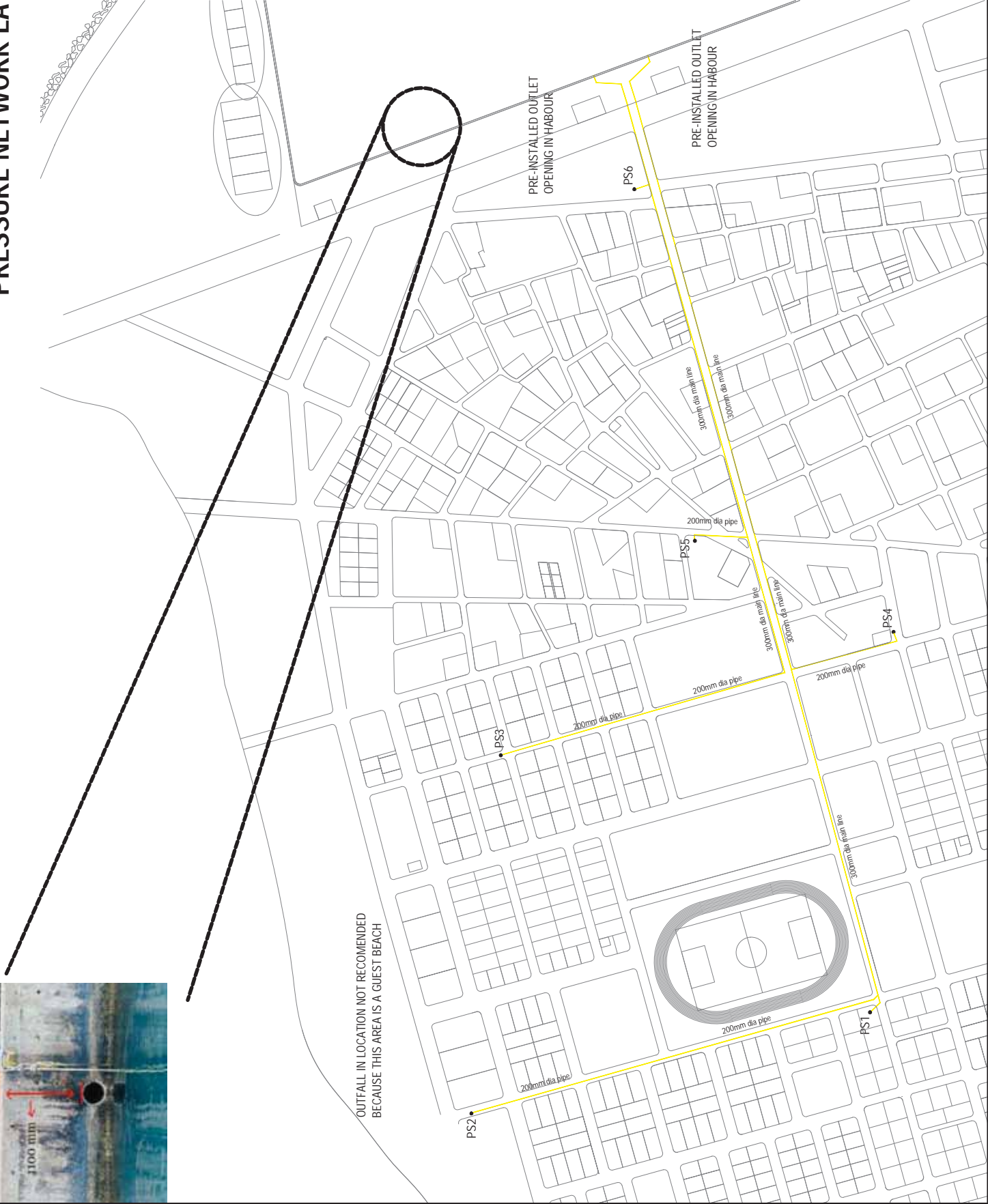
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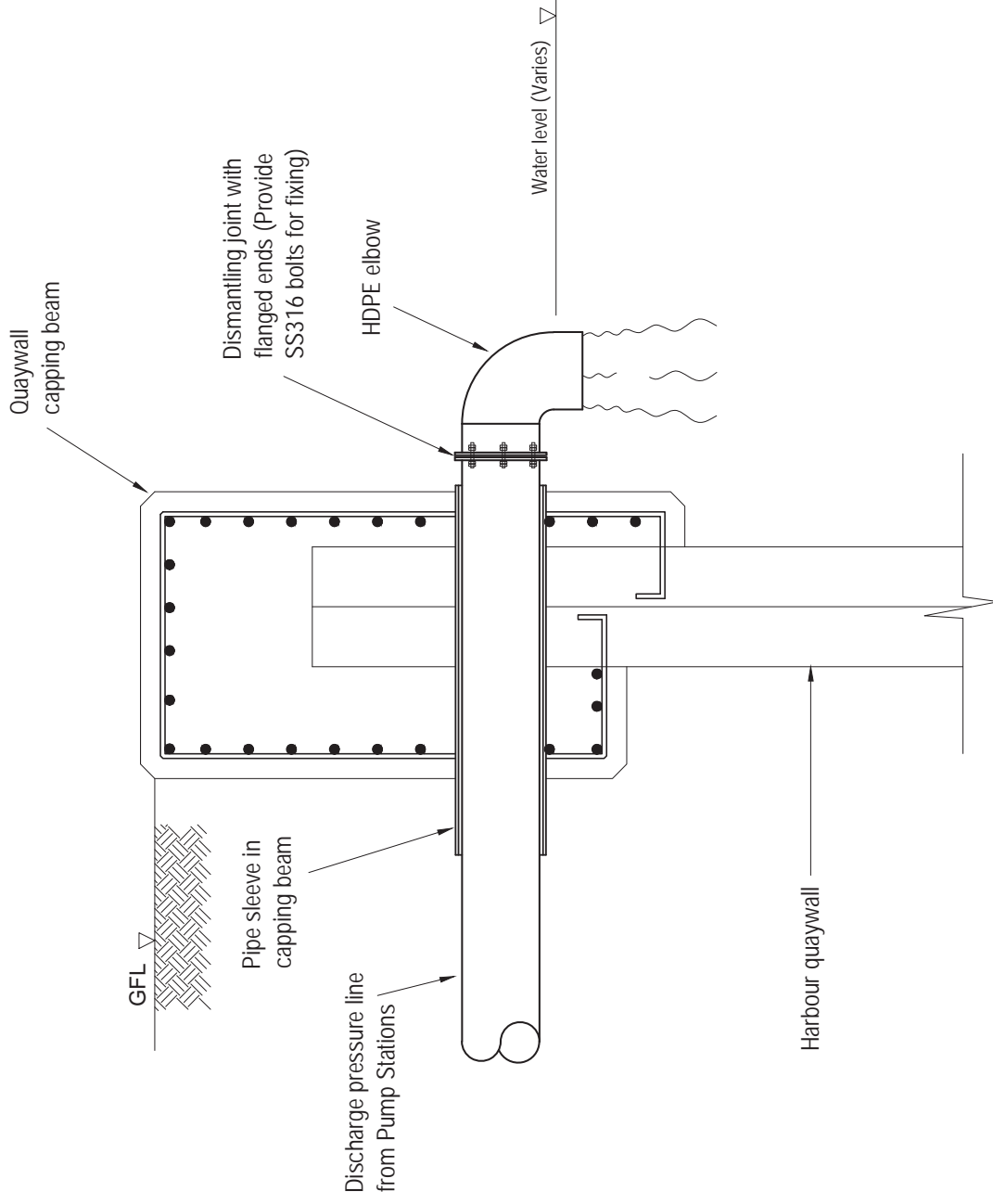
## PAGE:

A - 14



OUTFALL IN LOCATION NOT RECOMMENDED  
BECAUSE THIS AREA IS A GUEST BEACH





## HARBOUR OUTFALL DETAIL

<b>PROJECT:</b> ADh. MAAMIGILI STORMWATER DESIGN	
<b>CLIENT:</b> RDC	
<b>DESIGNED BY</b>	ABDULLA RASHEED
<b>CHECKED BY</b>	
<b>DRAWN BY</b>	ABDULLA RASHEED
 <b>RAKENTA</b> DESIGN / BUILD & CONSULTANCY 117, #0601 - 2, 960776 8666 rakenta@gmail.com	
<b>REV:</b>	<b>PAGE:</b>
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ADH. MAAMIGILLI  
**DESIGN & BUILD OF ADH.MAAMIGILI MAJOR ROADS**  
DETAILED DRAWINGS

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DESIGNED BY:  
ROAD DEVELOPMENT CORPORATION  
ORCHID MAGU, MAAFANNU, MALE', REPUBLIC OF MALDIVES

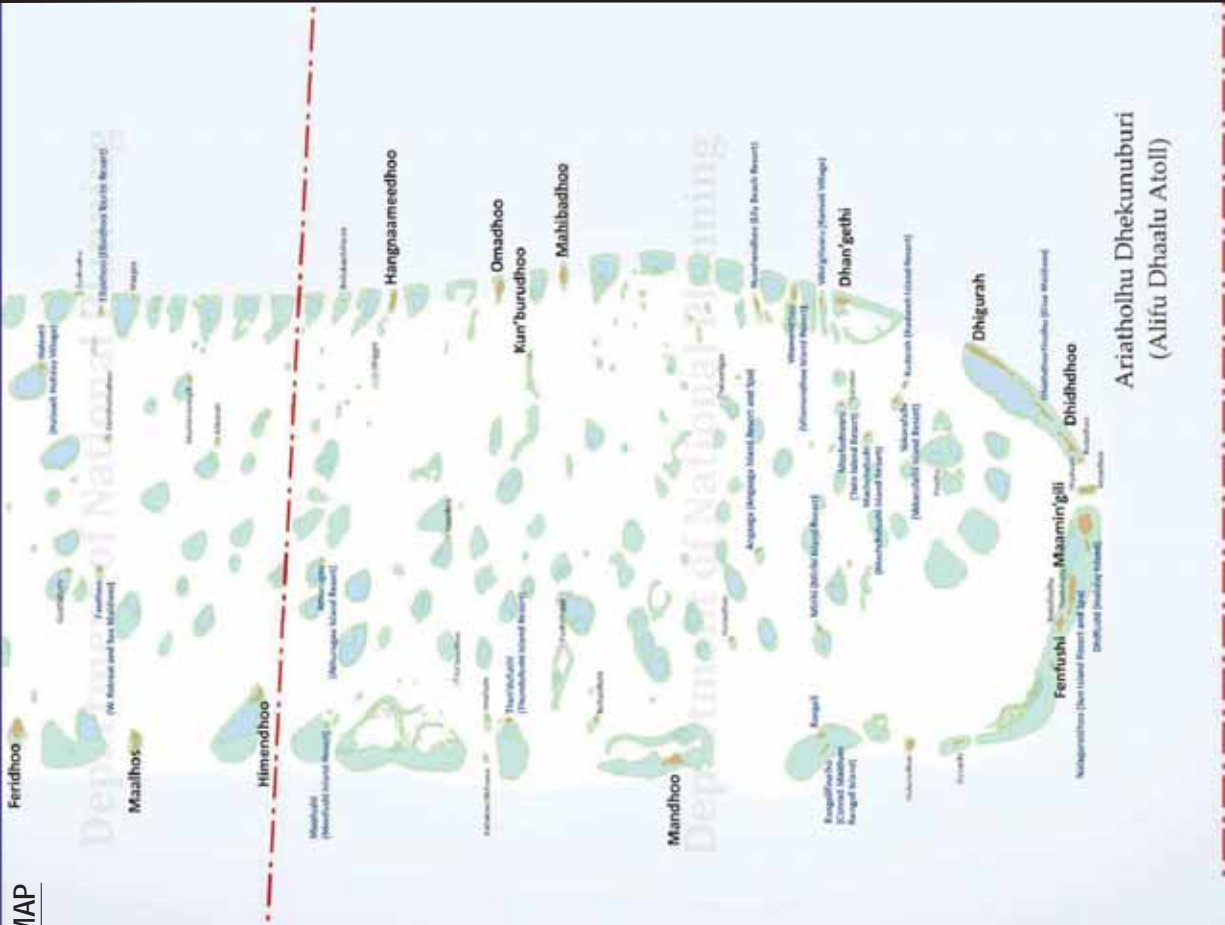
CLIENT:  
MINISTRY OF NATIONAL PLANNING, HOUSING & INFRASTRUCTURE  
AMEENEE MAGU, MAAFANNU, MALE' 20392, REPUBLIC OF MALDIVES



2020



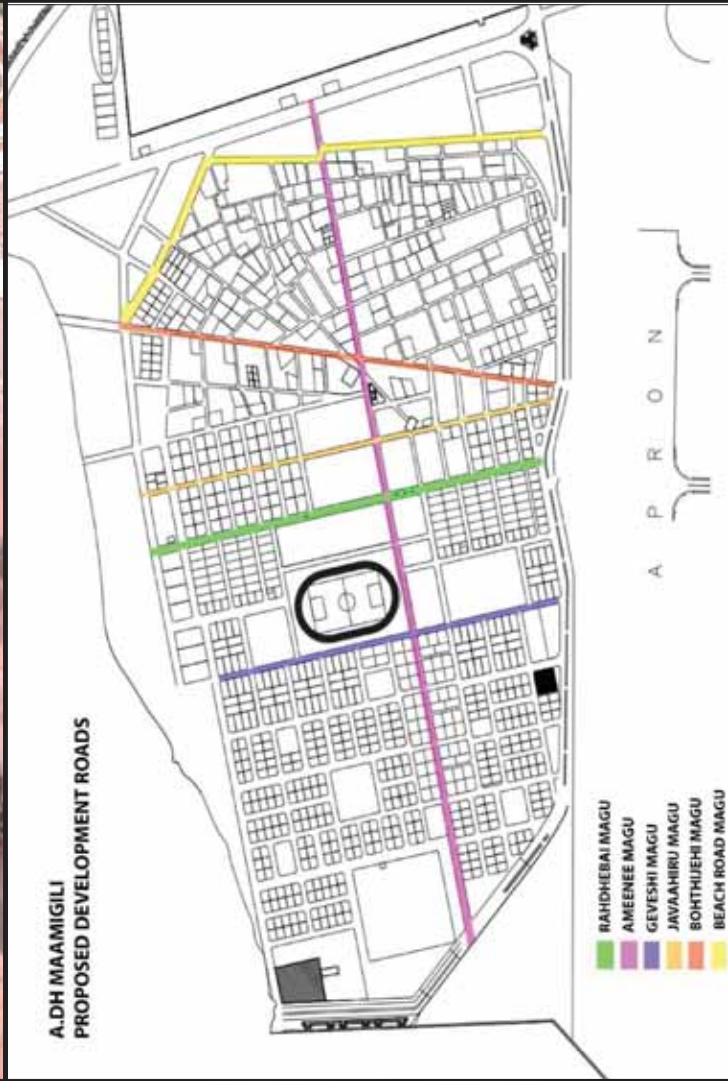
**ATOLL MAP**  
NTS



**MAAMIGILI MAP**  
NTS



**A.DH MAAMIGILI  
PROPOSED DEVELOPMENT ROADS**



- RAHDHEBAI MAGU
- AMEENEI MAGU
- GEVESHU MAGU
- JAVAABIRU MAGU
- BOHTHUJEHI MAGU
- BEACH ROAD MAGU

**CLIENT:** MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEI MAGU,  
MALE'  
REPUBLIC OF MALDIVES

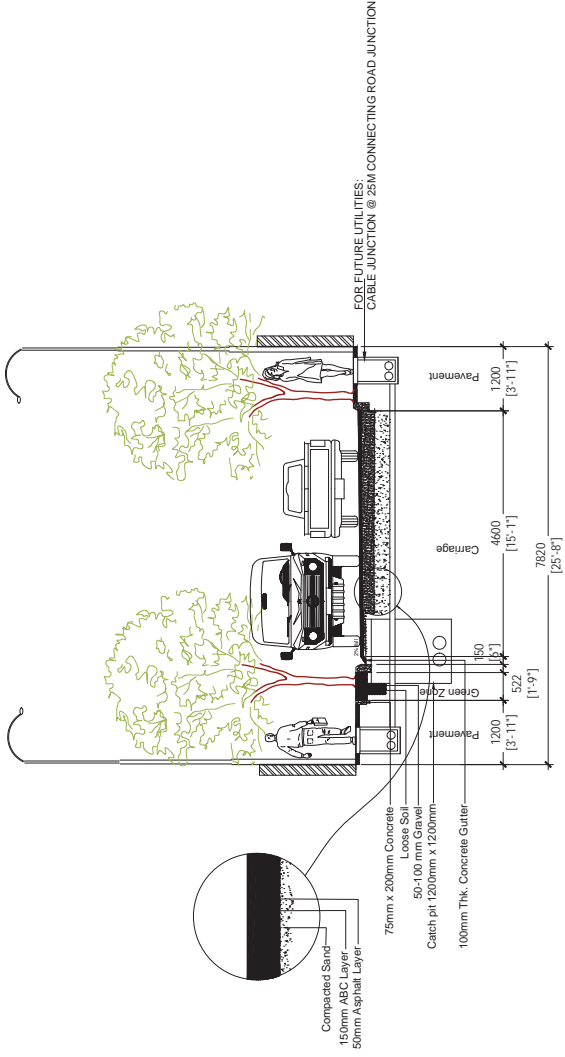
**CONTRACTOR:** ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU, MALE'  
REPUBLIC OF MALDIVES

**DRAWING TITLE:**  
ADH. MAAMIGILI  
LOCATION MAP

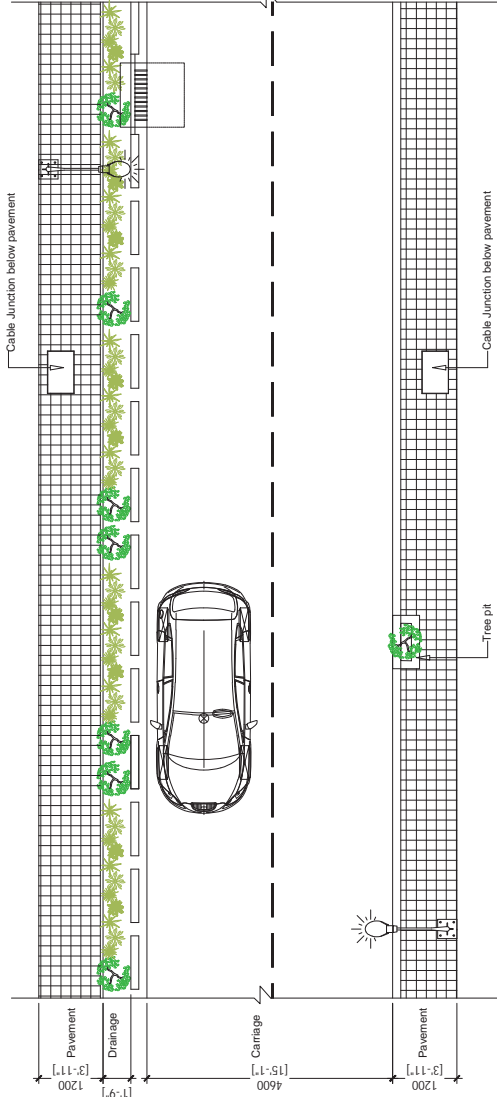


**DRAWN BY:** ALI ZAMEER  
**APPROVED BY:** ALI AFAQ  
**PROJECT NO:** GAH-RC-2020-03  
**DRAWING NO:** 01  
**SCALE:** NTS

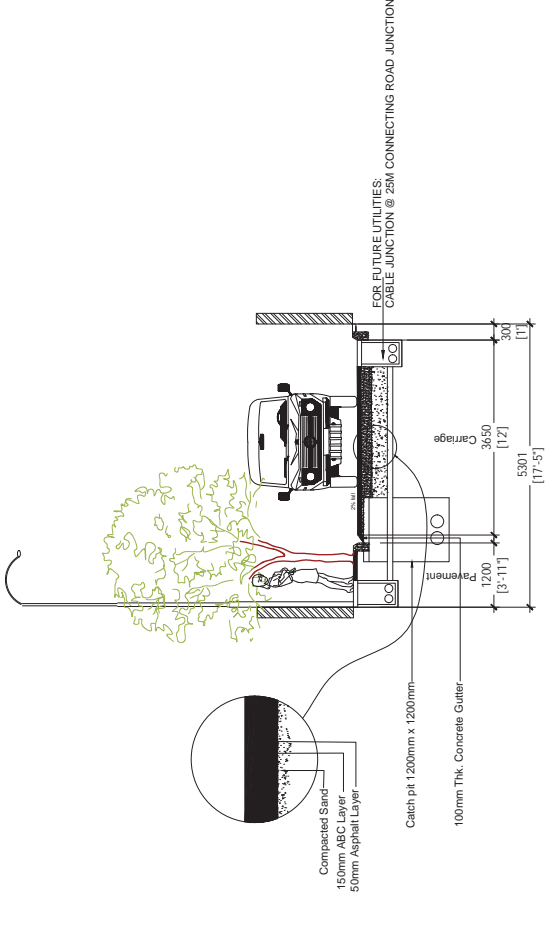
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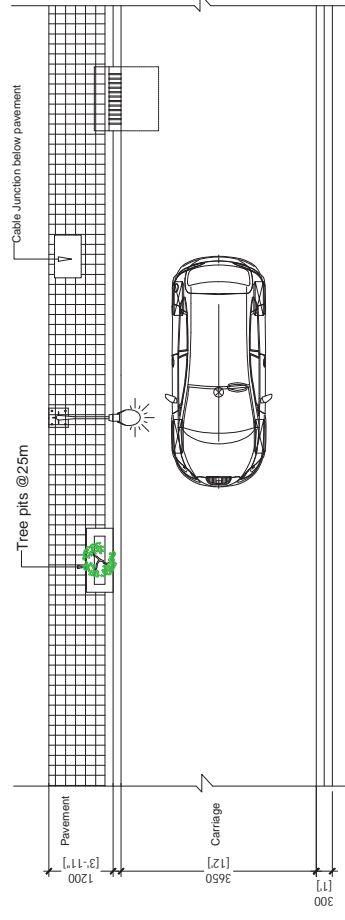
**AMEENEER MAGU - SECTION**  
SCALE 1:100



**AMEENEER MAGU - PLAN**  
SCALE 1:100



**BONTHIJEHI MAGU - SECTION**  
SCALE 1:100



**BONTHIJEHI MAGU - PLAN**  
SCALE 1:100

**CLIENT:** MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEER MAGU, MALE, REPUBLIC OF MALDIVES

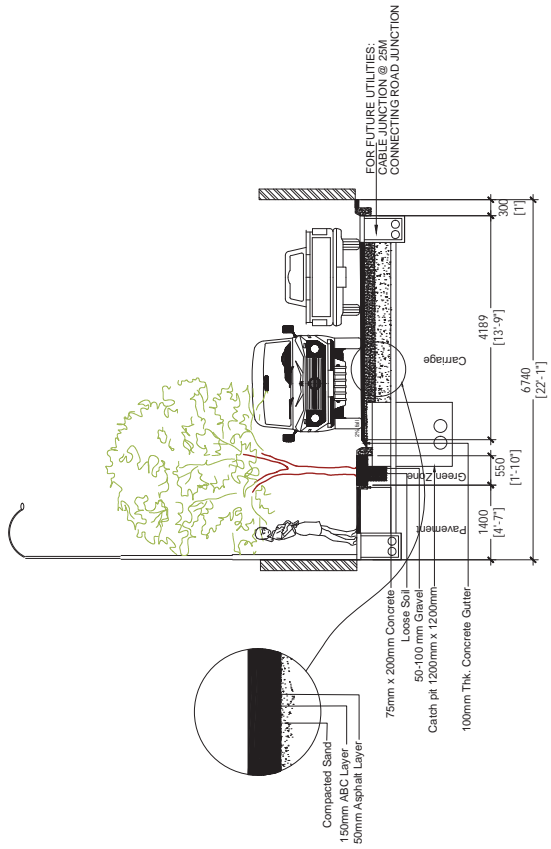
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ORCHID MAGU, MAAFANNU, MALE, REPUBLIC OF MALDIVES

**DRAWING TITLE:** VIOLET MAGU  
AMEER AHMED MAGU



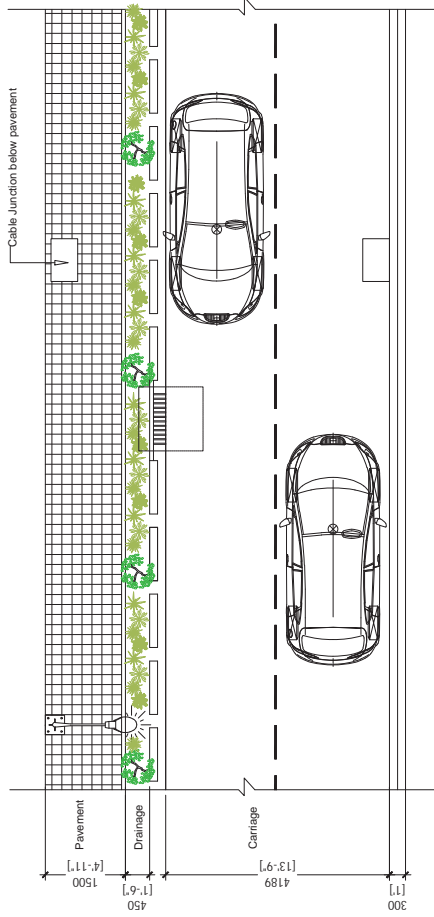
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**APPROVED BY:** ALI AFAQ  
**PROJECT NO:** GAH-RC-2020-03  
**DRAWING NO:** 02  
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**DATE:** SEPTEMBER 2020

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS



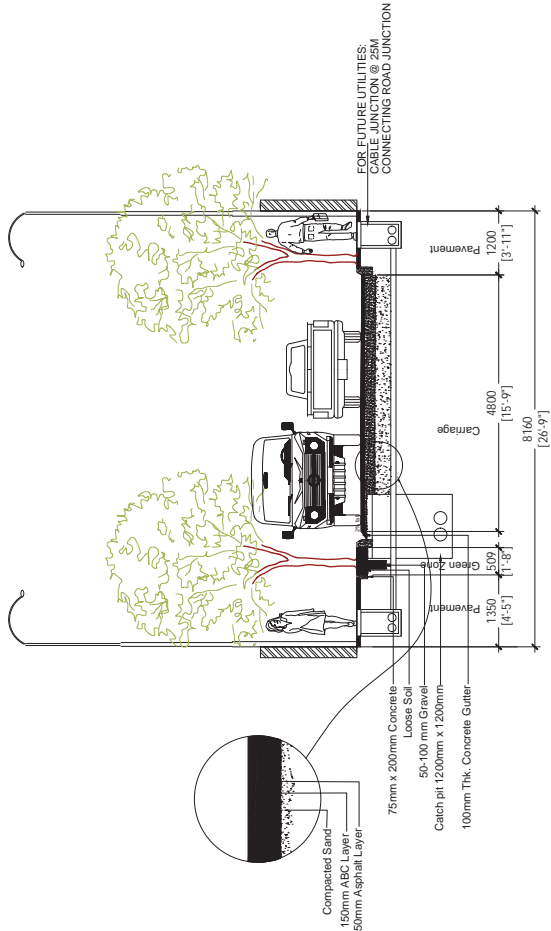
**JAVAHIRU MAGU - SECTION**

SCALE 1:100



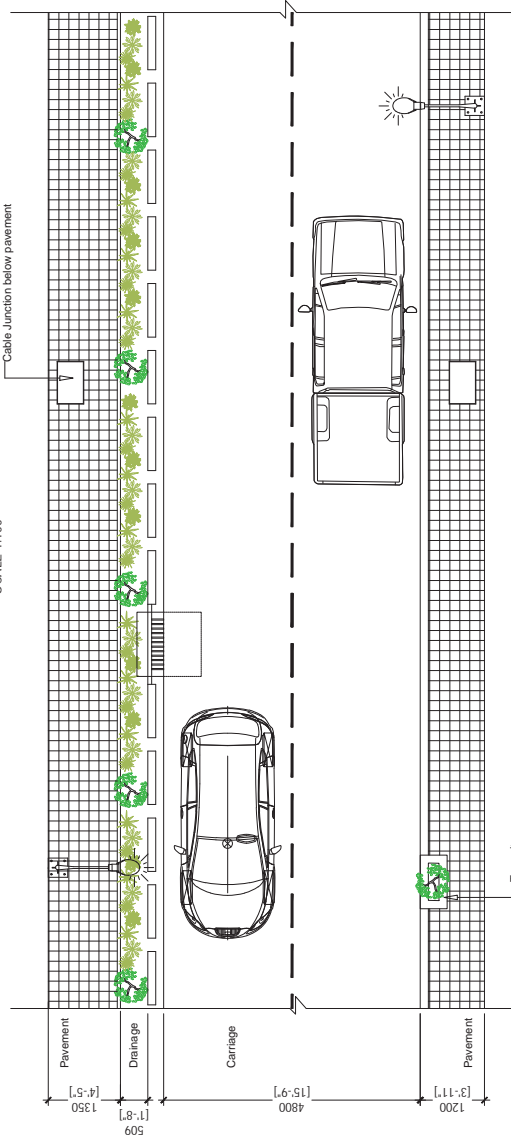
**JAVAHIRU MAGU - PLAN**

SCALE 1:100



**GEVEHI MAGU - SECTION**

SCALE 1:100



**GEVEHI MAGU - PLAN**

SCALE 1:100

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

**CLIENT:**  
 MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
 AMEENEE MAGU,  
 MALE'  
 REPUBLIC OF MALDIVES

**CONTRACTOR:**  
 ROAD DEVELOPMENT CORPORATION LTD.  
 ORCHID MAGU,  
 MAAFANNU, MALE'  
 REPUBLIC OF MALDIVES

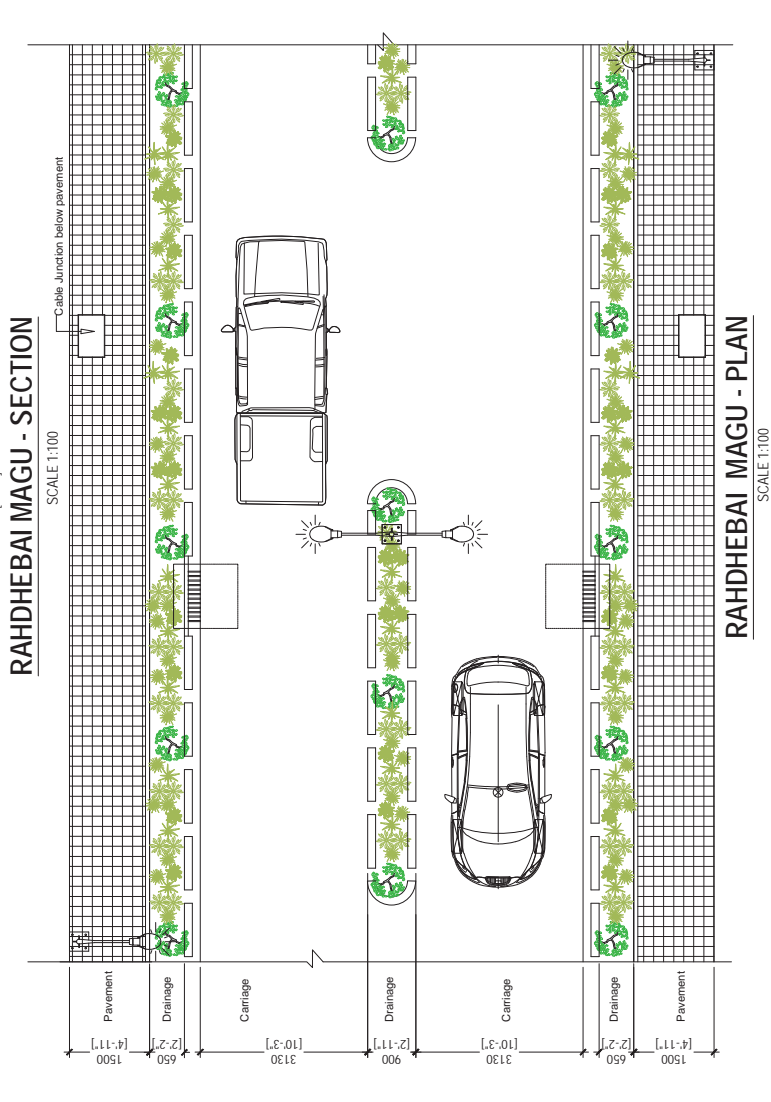
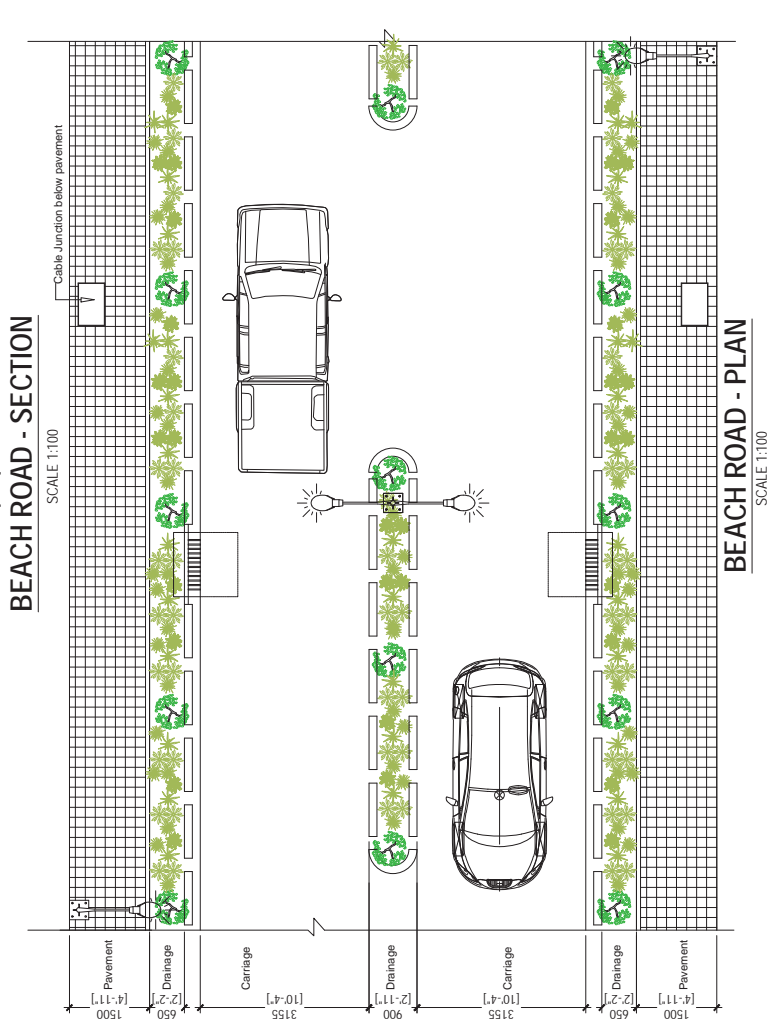
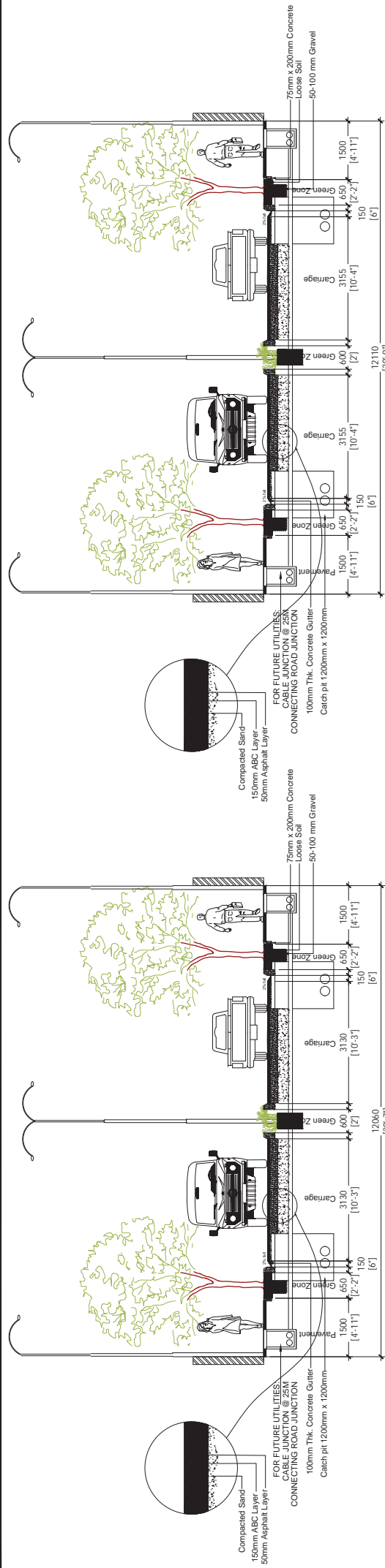
**DRAWING TITLE:**  
 JAVAHIRU MAGU  
 GEVEHI MAGU




**DRAWN BY:** ALI ZAMEER  
**APPROVED BY:** ALI AFAQ  
**PROJECT NO:** GAH-RC-2020-03  
**DRAWING NO:** 03  
**SCALE:** 1:100

**DATE:** SEPTEMBER 2020

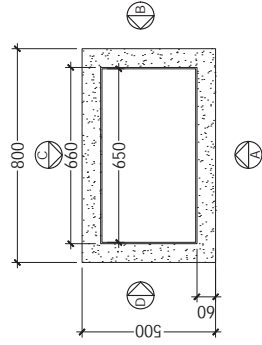




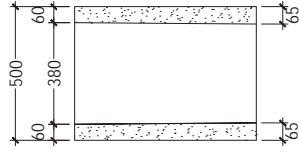
PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS			DRAWN BY: ALI ZAMEER APPROVED BY: ALI AFAQ PROJECT NO: GAH-RC-2020-03 DRAWING NO: 04 SCALE: 1:100 DATE: SEPTEMBER 2020
CLIENT: MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES	CONTRACTOR: ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE' REPUBLIC OF MALDIVES		DRAWING TITLE: <b>RAHDHEBAI MAGU          BEACH ROAD</b>

### CABLE JUNCTION TYPE - A

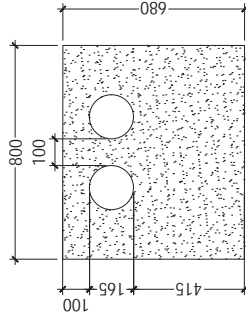
Designed to place in Carriage way



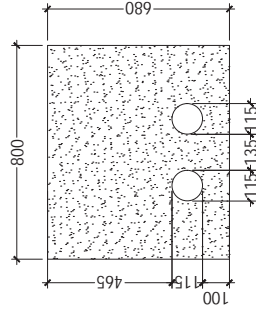
PLAN



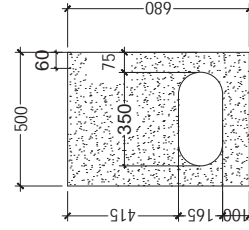
SECTION



ELEVATION A



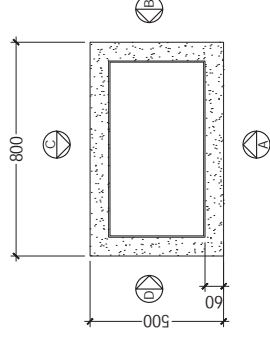
ELEVATION C



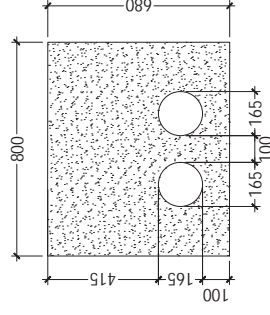
ELEVATION B & D

### CABLE JUNCTION TYPE - B

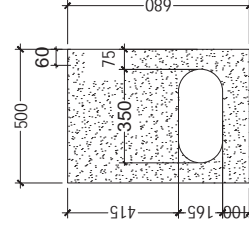
Designed to place in Carriage way



PLAN



ELEVATION A, C



ELEVATION B & D

Concrete Mixing Ratio: 1:3:2

- 1 Cement
- 3 White Sand
- 2 Aggregate

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

CLIENT:

MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

CONTRACTOR:

ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU, MALE'  
REPUBLIC OF MALDIVES

DRAWING TITLE:

CABLE JUNCTION TYPE A  
CABLE JUNCTION TYPE B



DRAWN BY: ALI ZAMEER

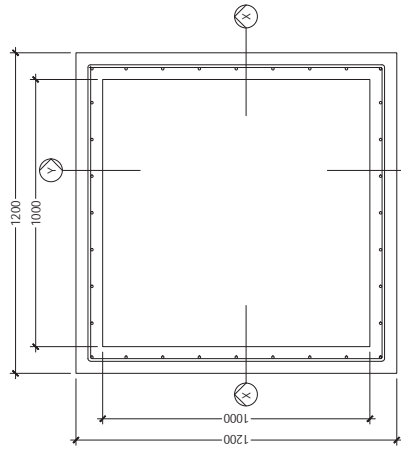
APPROVED BY: ALI AFAQ

PROJECT NO: GAHRC-2020-03

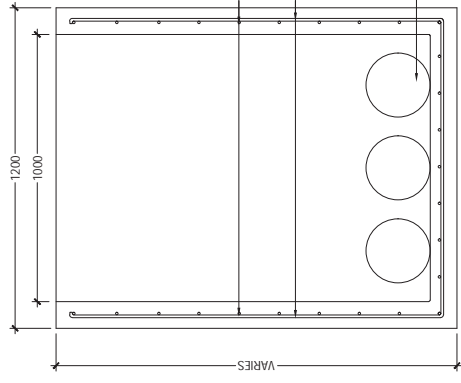
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SCALE: 1:20

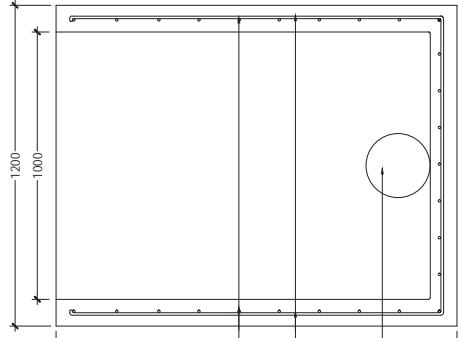
DATE: SEPTEMBER 2020



PLAN



SECTION X-X



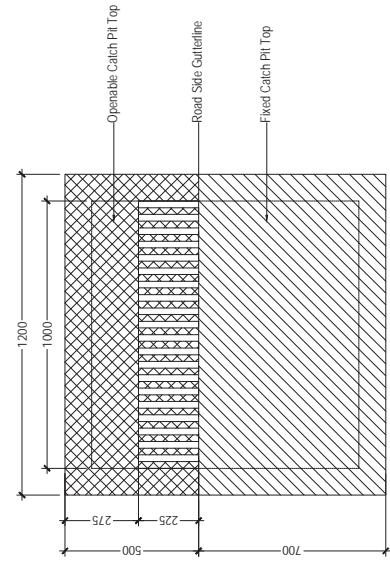
SECTION Y-Y



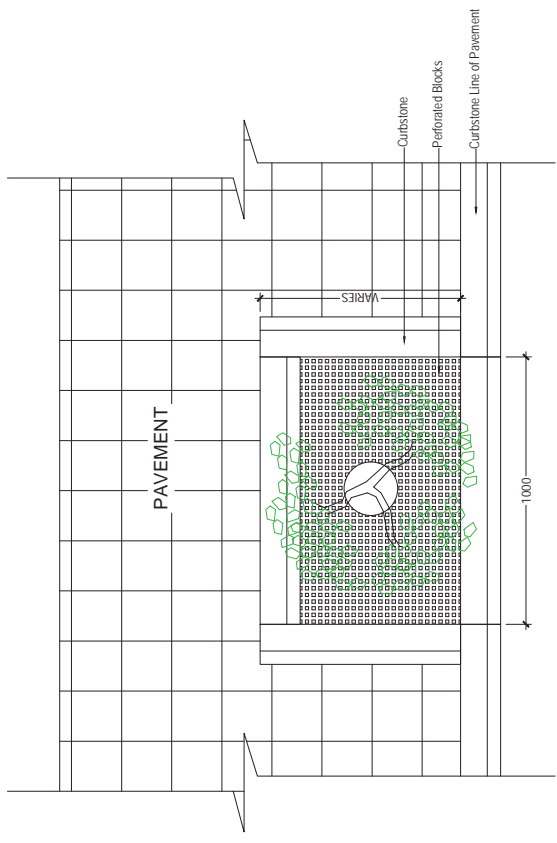
CATCH PIT - COVER SECTION

**CATCH PIT DETAILS**

SCALE 1:20

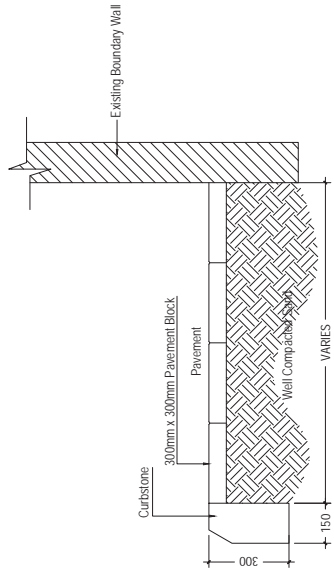


CATCH PIT - COVER



**TREE PIT DETAILS**

SCALE 1:20



**PAVEMENT SECTION DETAILS 1**

SCALE 1:20

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

<b>CLIENT:</b>	<b>CONTRACTOR:</b>
MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES	ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE' REPUBLIC OF MALDIVES

<b>DRAWING TITLE:</b>
CATCH PIT, TREE PIT & PAVEMENT SECTION DETAILS

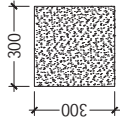


<b>DRAWN BY:</b> ALI ZAMEER
<b>APPROVED BY:</b> ALI AFAQ
<b>PROJECT NO:</b> GAH-RC-2020-03
<b>DRAWING NO:</b> 06
<b>SCALE:</b> 1:20
<b>DATE:</b> SEPTEMBER 2020



**300mm x 300MM PAVEMENT BLOCK**

Design to place in side walk

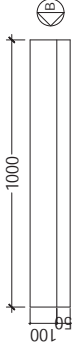


PLAN

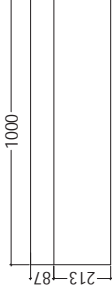
ELEVATION

**CURB STONE (BIG)**

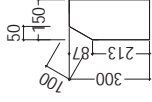
CHAMFER



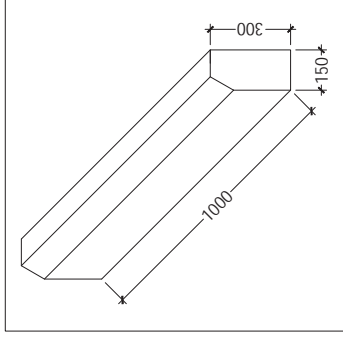
PLAN



ELEVATION A



ELEVATION B

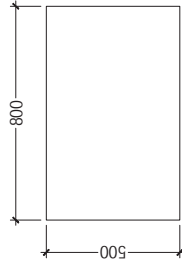


Concrete Mixing Ratio: 1:2:3

- 1 Cement
- 2 Aggregate
- 3 White Sand

**CABLE JUNCTION COVER**

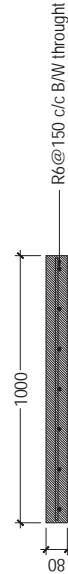
Design to place in side walk



PLAN



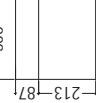
ELEVATION



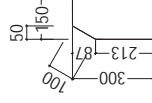
STRUCTURAL DETAIL

**CURB STONE (small)**

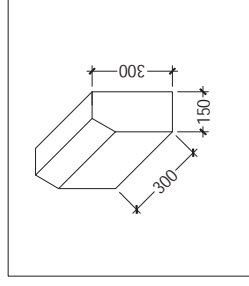
CHAMFER



ELEVATION A



ELEVATION B



Concrete Mixing Ratio: 1:2:3

- 1 Cement
- 2 Aggregate
- 3 White Sand

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

**CLIENT:**  
 MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
 AMEENEE MAGU,  
 MALE'  
 REPUBLIC OF MALDIVES

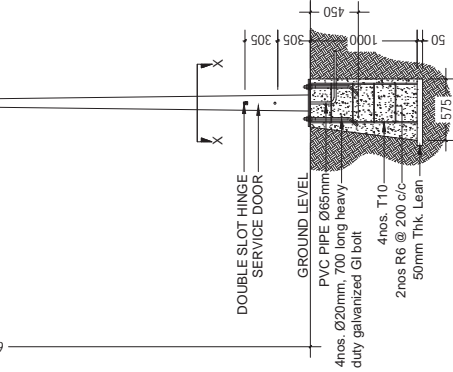
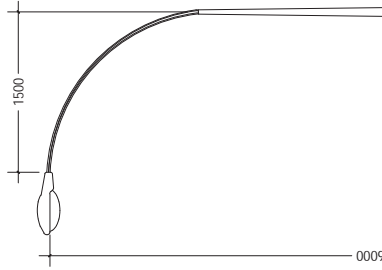
**CONTRACTOR:**  
 ROAD DEVELOPMENT CORPORATION LTD.  
 ORCHID MAGU,  
 MAAFANNU, MALE'  
 REPUBLIC OF MALDIVES

**DRAWING TITLE:**  
 PAVEMENT BLOCK  
 CABLE JUNCTION COVER  
 CURBSTONE

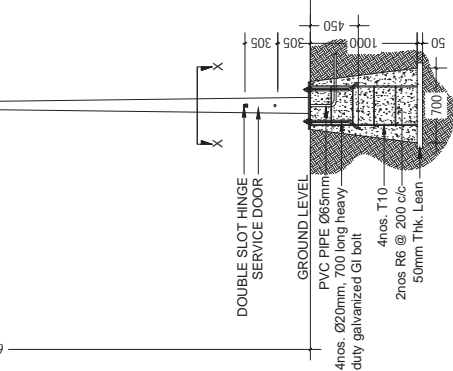
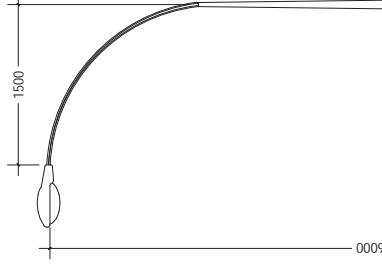


**DRAWN BY:** ALI ZAMEER  
**APPROVED BY:** ALI AFAQ  
**PROJECT NO:** GAH-RC-2020-03  
**DRAWING NO:** 07  
**SCALE:** 1:20

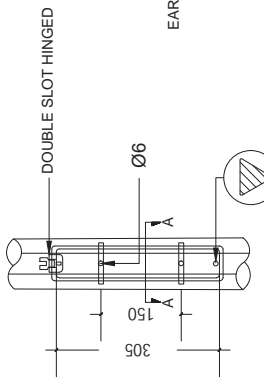
**DATE:** SEPTEMBER 2020



**LIGHT POLE TYPE - A**  
SCALE 1:50

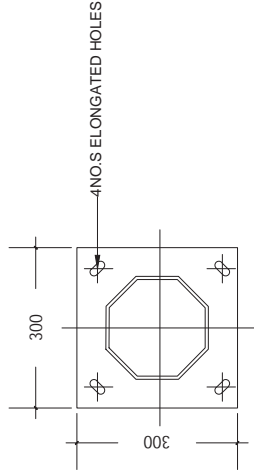


**LIGHT POLE TYPE - B**  
SCALE 1:50

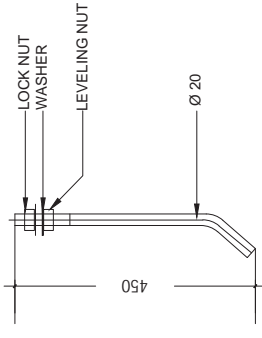


**SERVICE DOOR DETAIL**  
SCALE 1:10

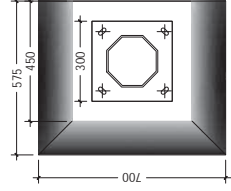
DOUBLE SLOT HINGED  
EARTHING LUG  
DOOR COVER  
SECTION A-A  
SCALE 1:10



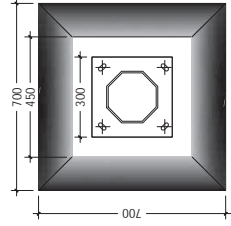
**SECTION X - X**  
SCALE 1:10



**J - BOLT**  
SCALE 1:10



**STREET LIGHT FOUNDATION FOOTING DETAIL TYPE - A**  
SCALE 1:20



**STREET LIGHT FOUNDATION FOOTING DETAIL TYPE - B**  
SCALE 1:20

**PROJECT:** DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

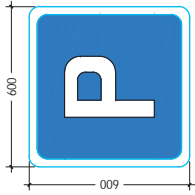
**CLIENT:**  
MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

**CONTRACTOR:**  
ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU, MALE'  
REPUBLIC OF MALDIVES

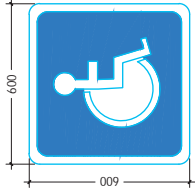
**DRAWING TITLE:**  
**LIGHT POLE DETAIL**



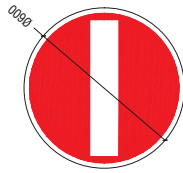
**DRAWN BY:** ALI ZAMEER  
**APPROVED BY:** ALI AFAAQ  
**PROJECT NO:** GAH-RC-2020-03  
**DRAWING NO:** 08  
**SCALE:** AS GIVEN  
**DATE:** SEPTEMBER 2020



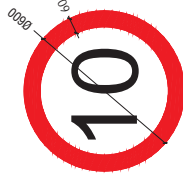
PARKING SIGN



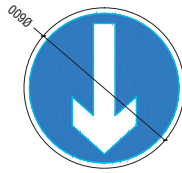
DISABLED SIGN



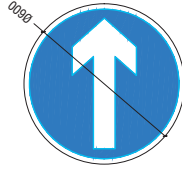
NO ENTRY SIGN



MAXIMUM SPEED SIGN



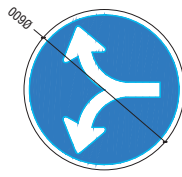
TURN LEFT SIGN



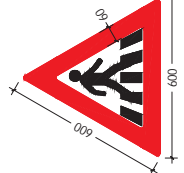
TURN RIGHT SIGN



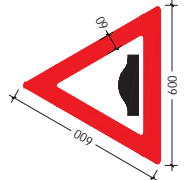
STOP CHILDREN SIGN



TURN RIGHT/LEFT SIGN

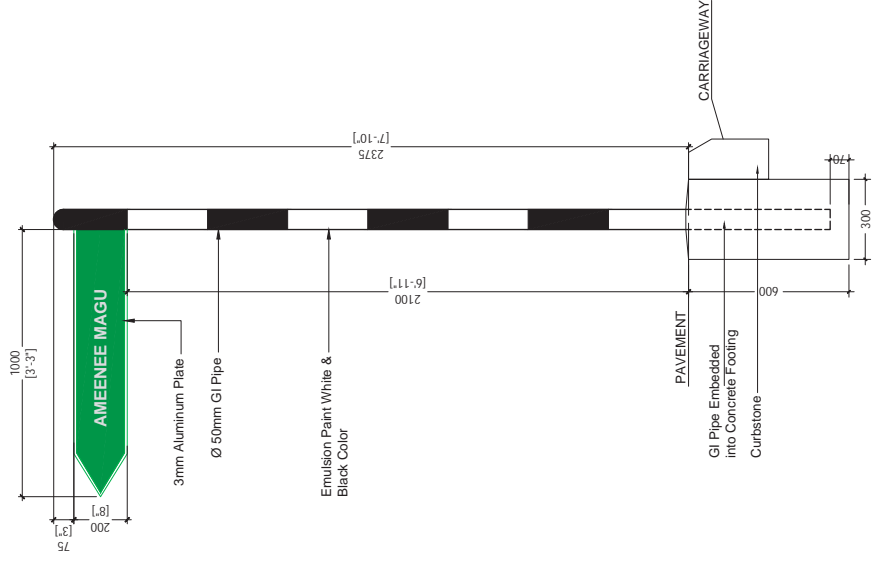


ROAD CROSSING

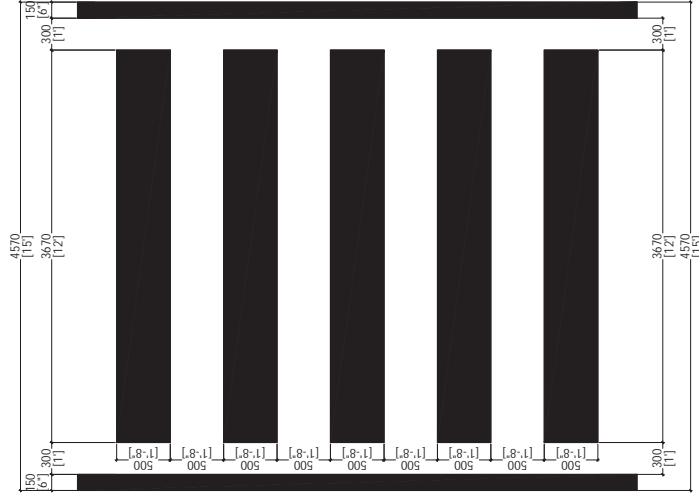


ROAD CROSSING

Note: All sign boards are made of 3mm aluminum plates. Material approval shall be done prior to commencing the works. All boards are hung by using Ø50mm GI pipe.



SIGN BOARD POLE DETAIL  
1:20



Note: Width of 15.10 & 8 feet are used depending on the localities & pedestrian movement after the consultation from island council & island traffic police.

ROAD CROSSING DETAIL  
1:50

SIGN BOARD DETAILS  
1:20

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

CLIENT:

MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

CONTRACTOR:

ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU, MALE'  
REPUBLIC OF MALDIVES

DRAWING TITLE:

ROAD SIGNAGE DETAILS



DRAWN BY: ALI ZAMEER

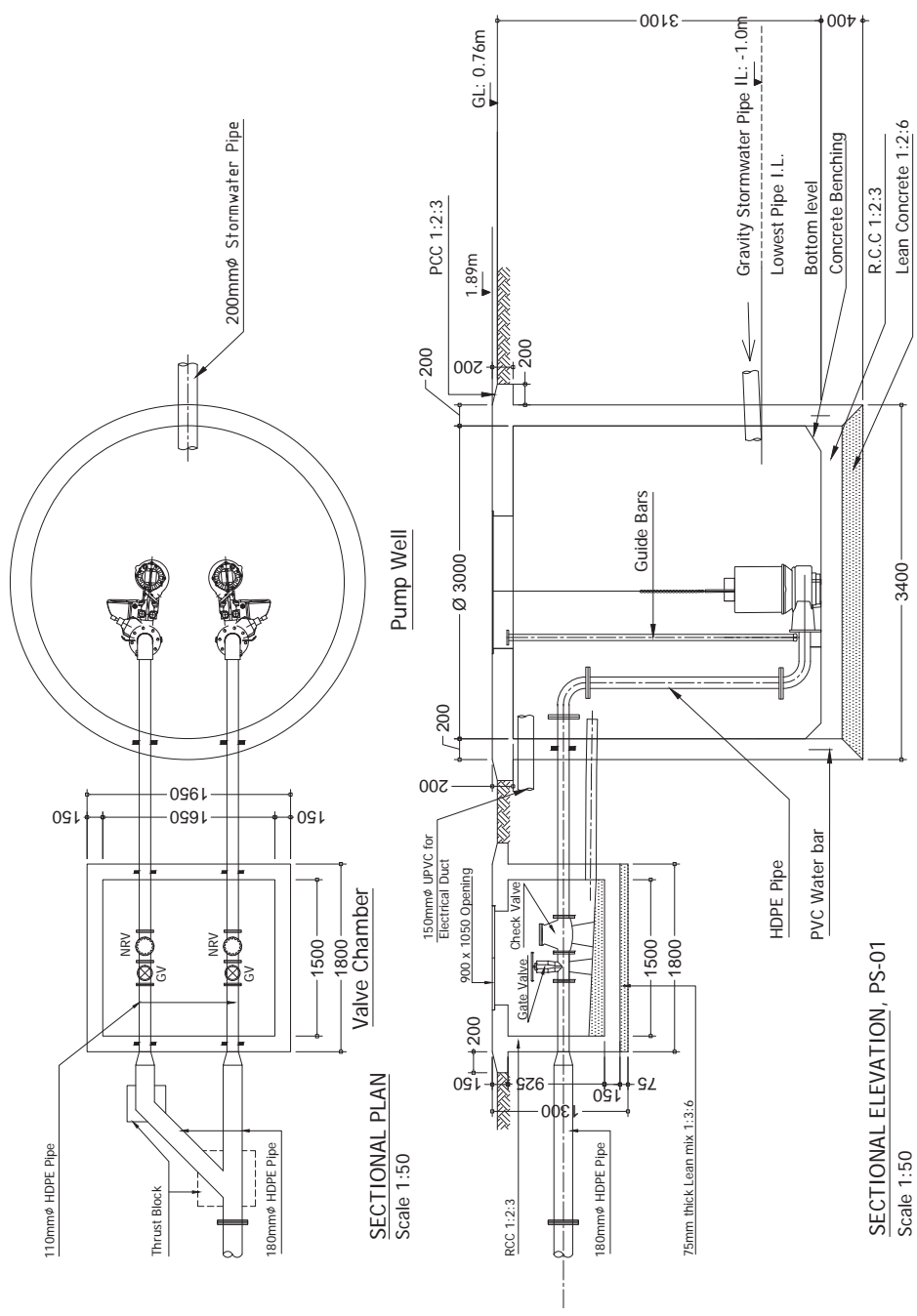
APPROVED BY: ALI AAFAQ


PROJECT NO: GAH-RC-2020-03

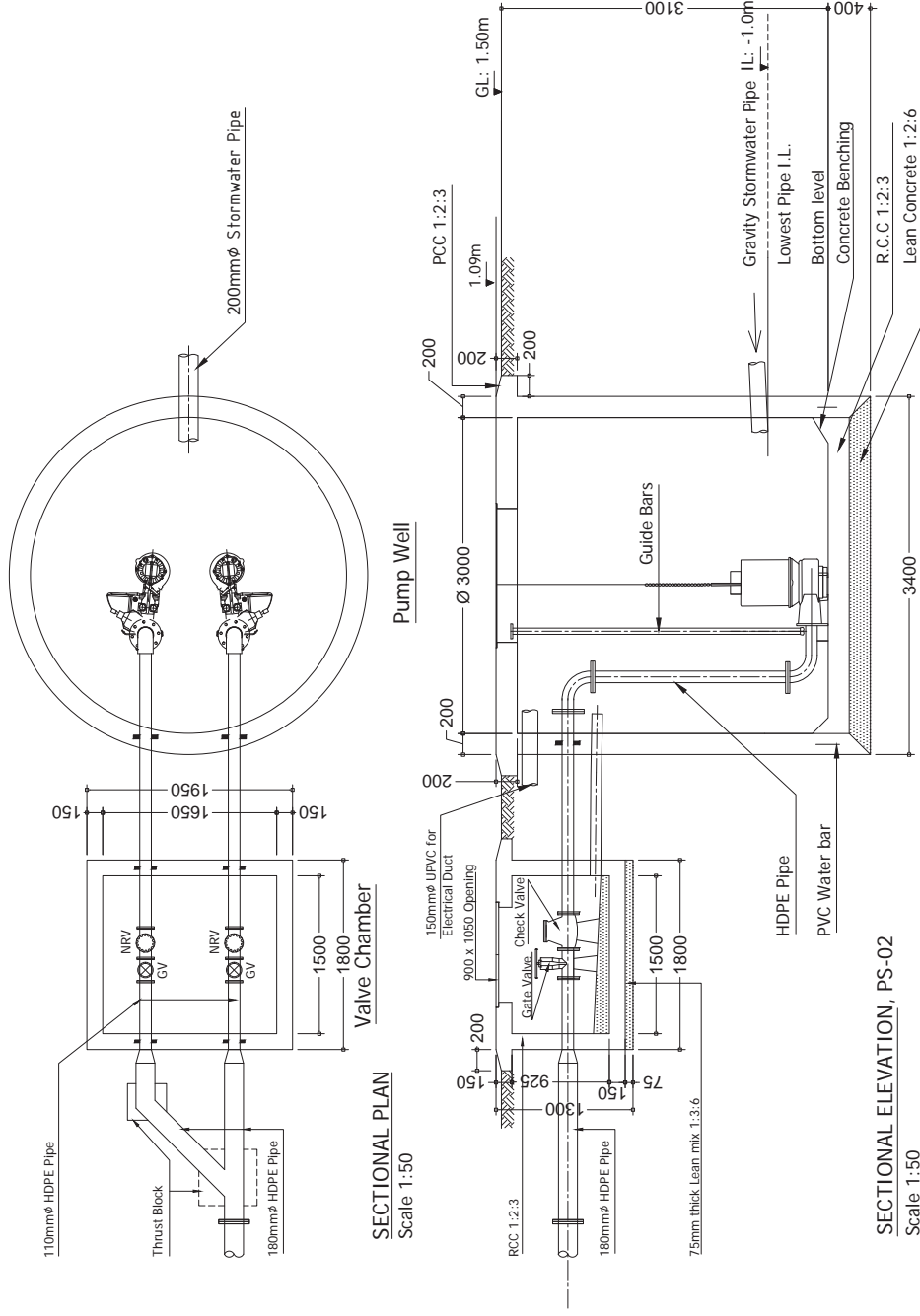
DRAWING NO: 09

SCALE: AS GIVEN

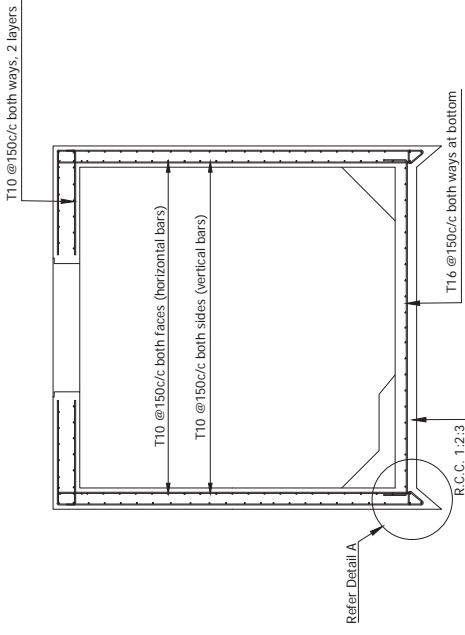
DATE: SEPTEMBER 2020



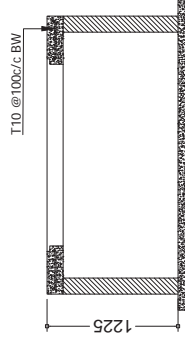
PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS		DRAWING TITLE: <b>PUMP STATION 1</b>			DRAWN BY: ALI ZAMEER
CLIENT: MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES		CONTRACTOR: ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE' REPUBLIC OF MALDIVES			APPROVED BY: ALI AFAQ
					PROJECT NO: GAH-RC-2020-03
					DRAWING NO: 10
					SCALE: 1:50
					DATE: SEPTEMBER 2020



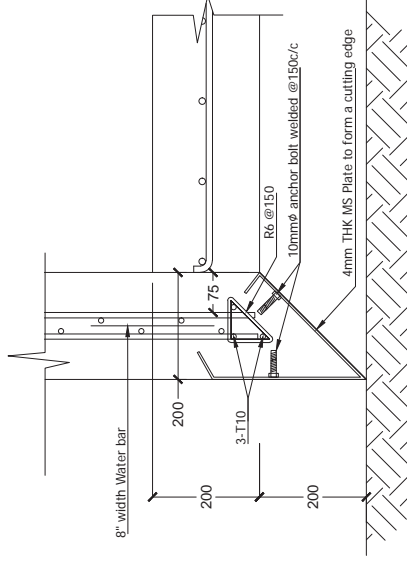
<p><b>CLIENT:</b> MINISTRY OF NATIONAL PLANNING &amp; INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES</p>	<p><b>CONTRACTOR:</b> ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE' REPUBLIC OF MALDIVES</p>	<p><b>DRAWING TITLE:</b> <b>PUMP STATION 2</b></p>	<p><b>DRAWN BY:</b> ALI ZAMEER <b>APPROVED BY:</b> ALI AFAQ <b>PROJECT NO:</b> GAH-RC-2020-03 <b>DRAWING NO:</b> 11 <b>SCALE:</b> 1:50 <b>DATE:</b> SEPTEMBER 2020</p>
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**Pump Well/Typical**  
Scale 1:50



**Valve Chamber**  
Scale 1:50



**Detail A (Cutting Edge Beam Detail)**  
Scale 1:10

**CLIENT:** MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

**CONTRACTOR:** ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU, MALE'  
REPUBLIC OF MALDIVES

**PROJECT:** DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

**DRAWING TITLE:**  
**PUMP STATION  
STRUCTURAL DETAILS**



**DRAWN BY:** ALI ZAMEER

**APPROVED BY:** ALI AAFQA

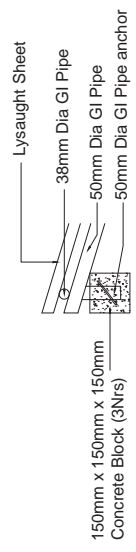
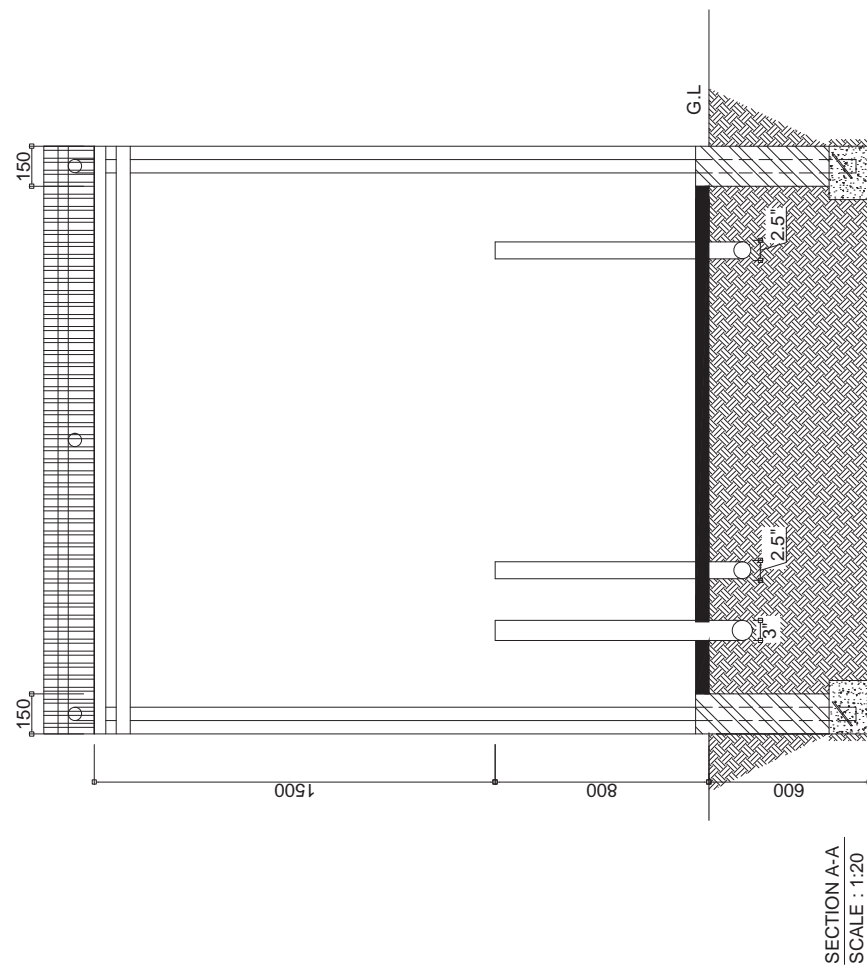
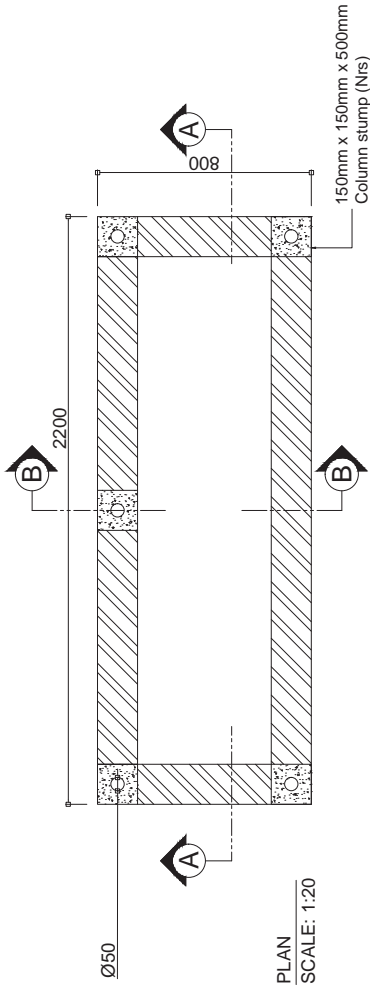
**PROJECT NO:** GAH-RC-2020-03

**DRAWING NO:** 12

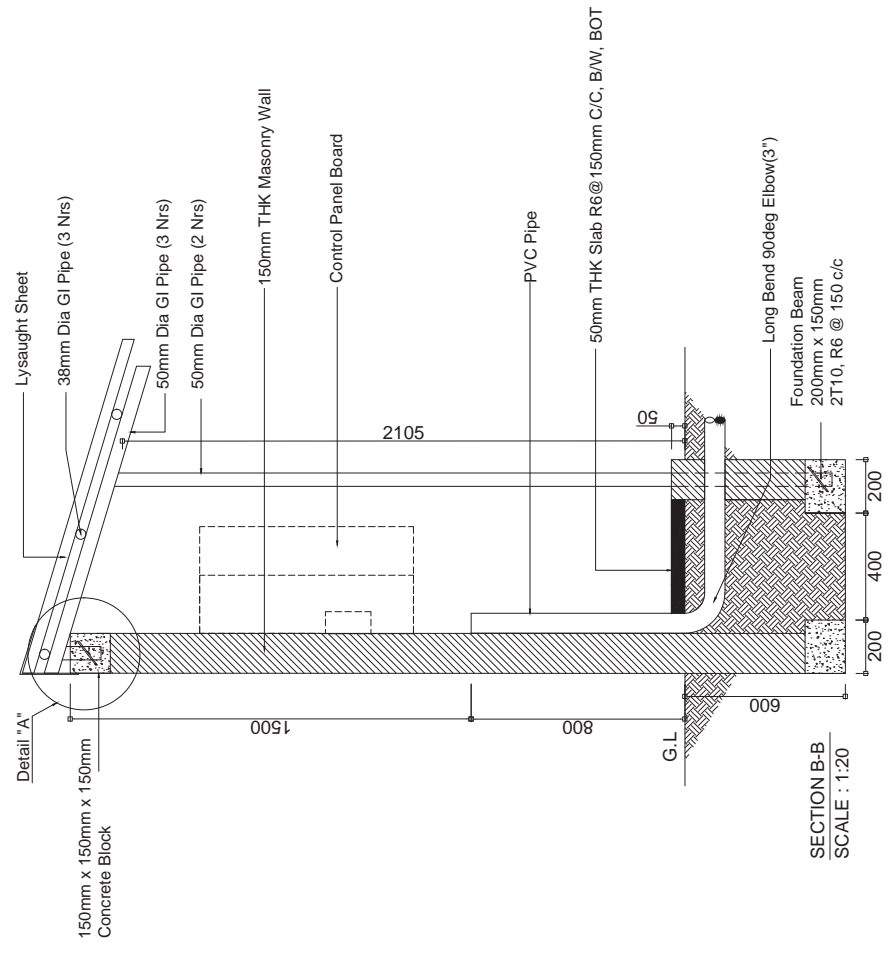
**SCALE:** AS GIVEN


**DATE:** SEPTEMBER 2020

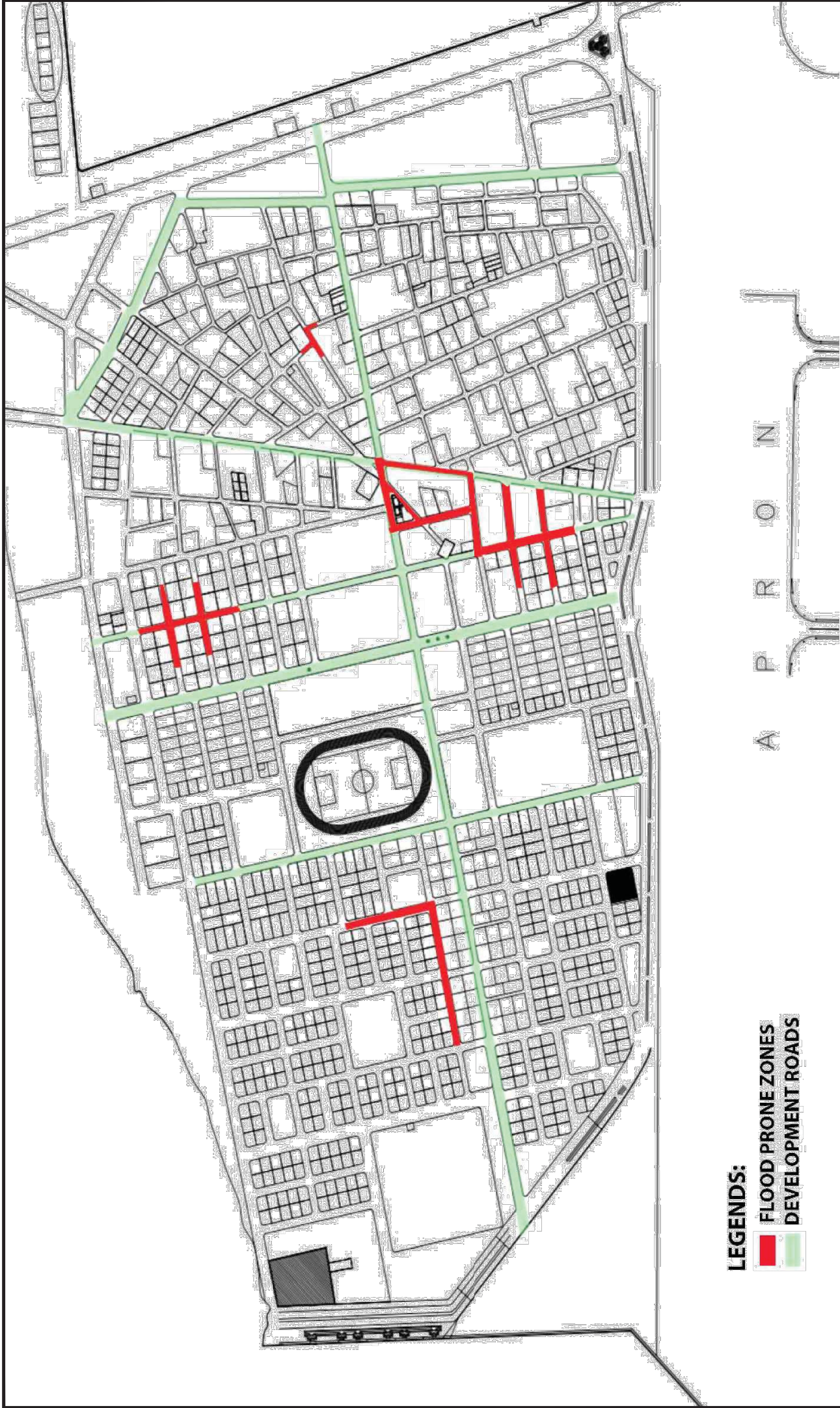




Detail "A"  
SCALE: 1:20



PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS			DRAWN BY: ALI ZAMEER APPROVED BY: ALI AFAAQ PROJECT NO: GAH-RC-2020-03 DRAWING NO: 13 SCALE: 1:20 DATE: SEPTEMBER 2020
CLIENT: MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES	CONTRACTOR: ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE' REPUBLIC OF MALDIVES		DRAWING TITLE: <b>PANEL SHED DETAILS</b>



**LEGENDS:**



**FLOOD PRONE ZONES**  
**DEVELOPMENT ROADS**

A P P R O X I M A T E

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

CLIENT:

MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
 AMEENEE MAGU,  
 MALE'  
 REPUBLIC OF MALDIVES

CONTRACTOR:

ROAD DEVELOPMENT CORPORATION LTD.  
 ORCHID MAGU,  
 MAAFANNU, MALE'  
 REPUBLIC OF MALDIVES

DRAWING TITLE:

**MAAMIGILI FLOOD MAP**



DRAWN BY: ALI ZAMEER

APPROVED BY: ALI AFAQ

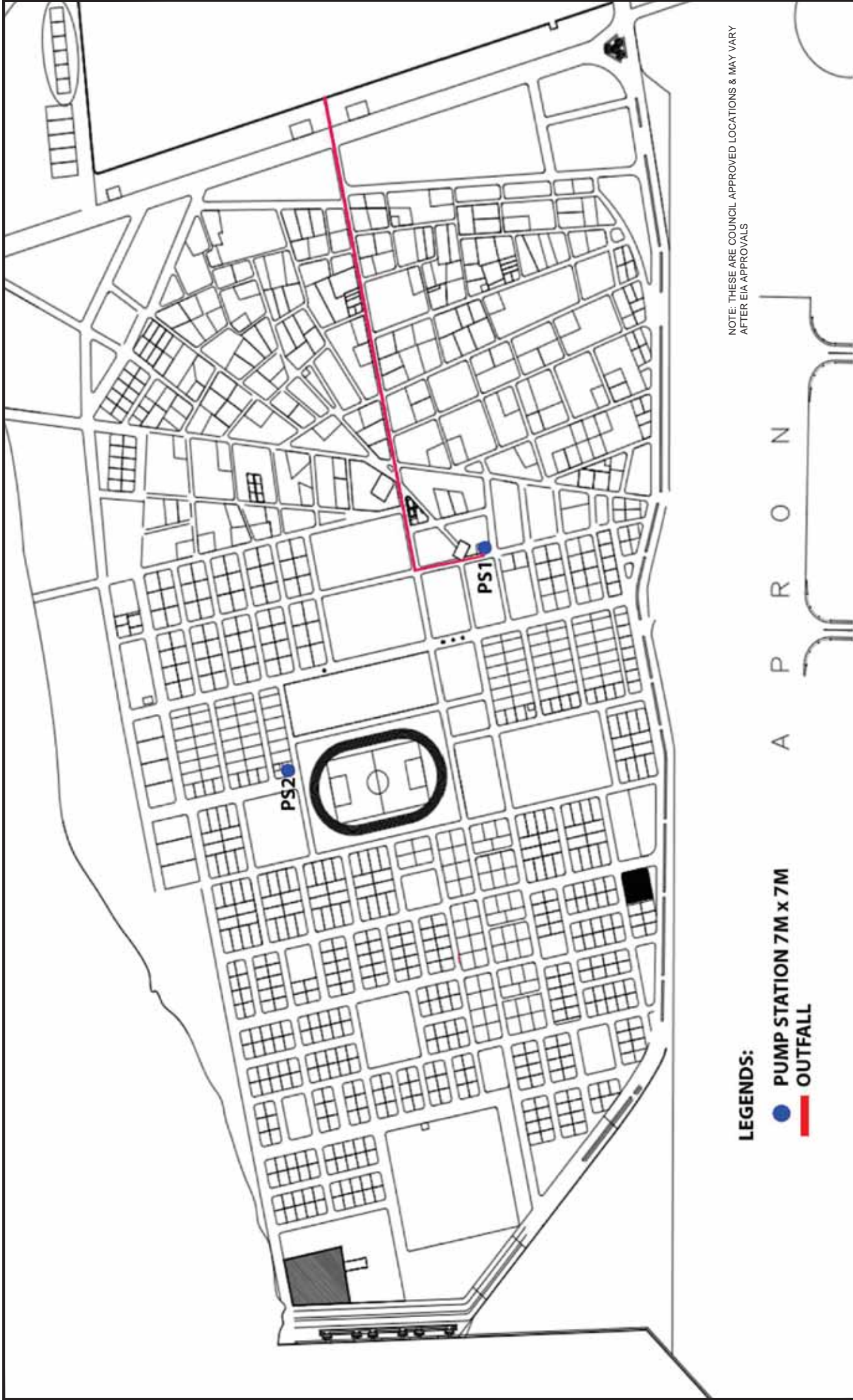
PROJECT NO: GAH-RC-2020-03

DRAWING NO: 14

SCALE: NTS

DATE: SEPTEMBER 2020






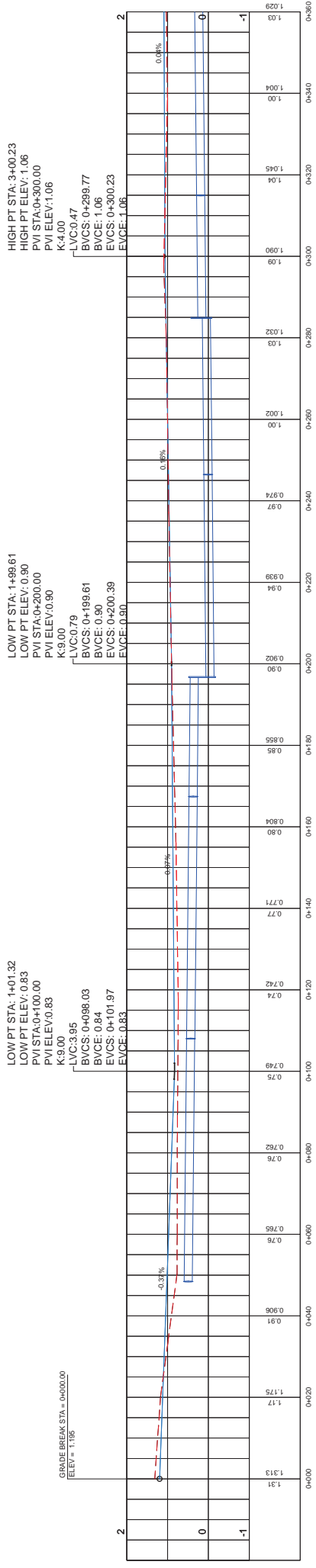
NOTE: THESE ARE COUNCIL APPROVED LOCATIONS & MAY VARY AFTER EIA APPROVALS

**LEGENDS:**

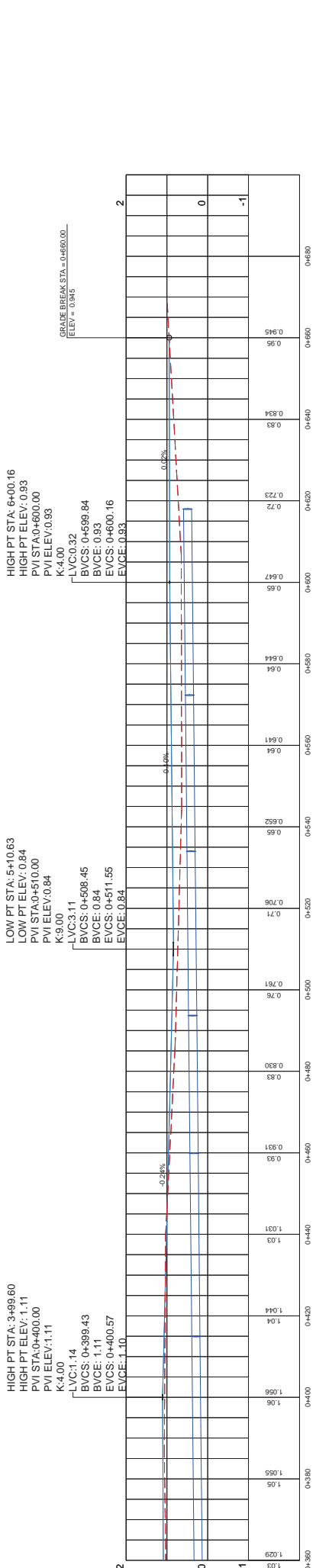
- PUMP STATION 7M x 7M
- OUTFALL

A P P R O X I M A T E

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS			DRAWN BY: ALI ZAMEER APPROVED BY: ALI AFAQ PROJECT NO: GAH-RC-2020-03 DRAWING NO: 15 SCALE: NTS
CLIENT: MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE REPUBLIC OF MALDIVES	CONTRACTOR: ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE REPUBLIC OF MALDIVES		DRAWING TITLE: <b>PUMP STATIONS &amp; OUTFALL LOCATION</b>



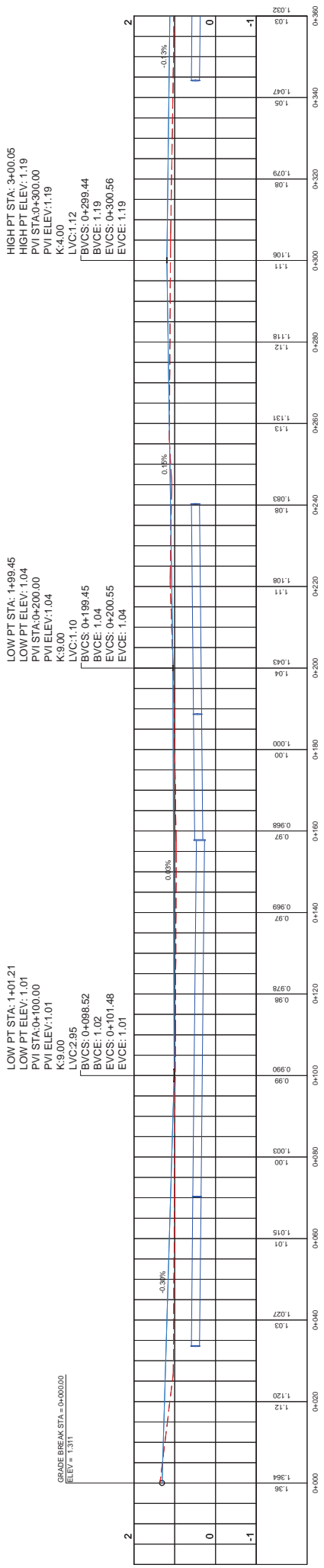
Javaahuru Magu - Profile 1



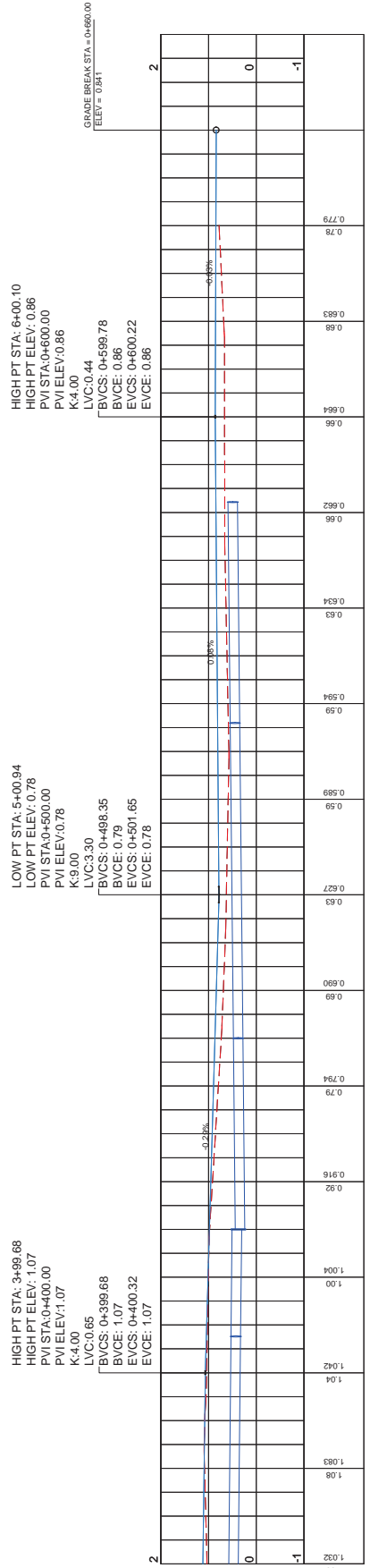
Javaahuru Magu - Profile 2

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS		DRAWN BY: ALI ZAMEER	
CLIENT: MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES	CONTRACTOR: ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE' REPUBLIC OF MALDIVES	APPROVED BY: ALI AAFAG	
		PROJECT NO: GAHRC-2020-03	
DRAWING TITLE: JAVAAHIRU MAGU PROFILE - 01 & 2		DRAWING NO: 16	
		SCALE: 1:100	
		DATE: SEPTEMBER 2020	





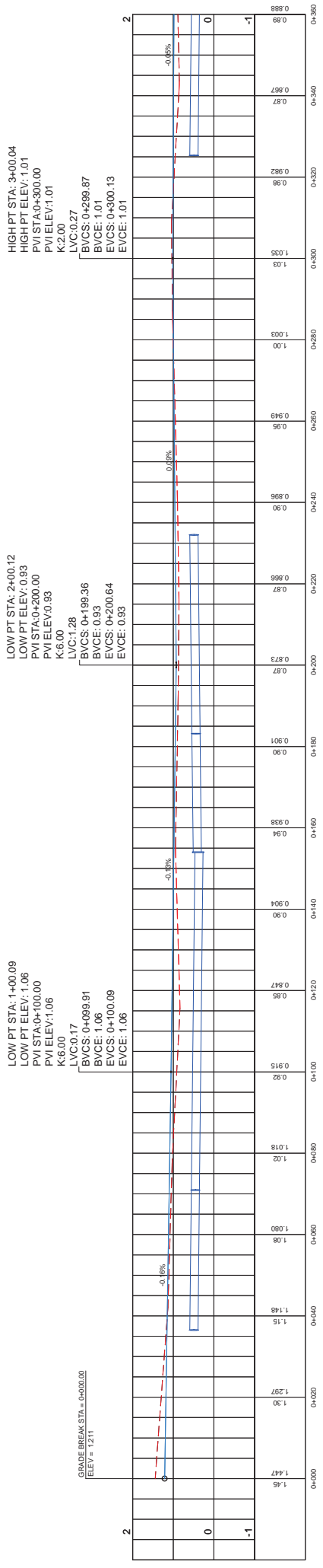
Rahdhebai Magu - Profile 1



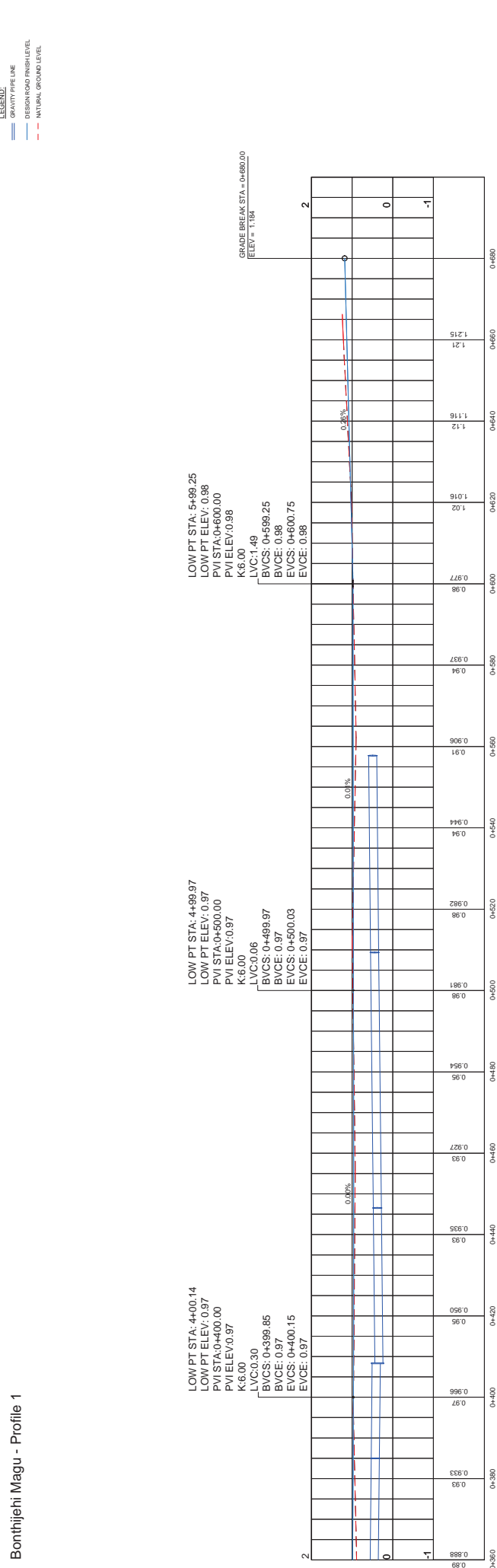
Rahdhebai Magu - Profile 2

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS


CLIENT:	MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES	CONTRACTOR:	ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE' REPUBLIC OF MALDIVES	DRAWING TITLE:	RAHDHEBAI MAGU PROFILE - 01 & 02	DRAWN BY: ALI ZAMEER	APPROVED BY: ALI AFAAQ	PROJECT NO: GAH-RC-2020-03	DRAWING NO: 17	SCALE: 1:100	DATE: SEPTEMBER 2020



Bonthijehi Magu - Profile 1



Bonthijehi Magu - Profile 2

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS			DRAWN BY: ALI ZAMEER APPROVED BY: ALI AFAQ PROJECT NO: GAH-RC-2020-03 DRAWING NO: 18 SCALE: 1:100 DATE: SEPTEMBER 2020
CLIENT:	CONTRACTOR:		DRAWING TITLE:
MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES	ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE' REPUBLIC OF MALDIVES	<b>BONTHIJEHI MAGU          PROFILE - 01 &amp; 02</b>	

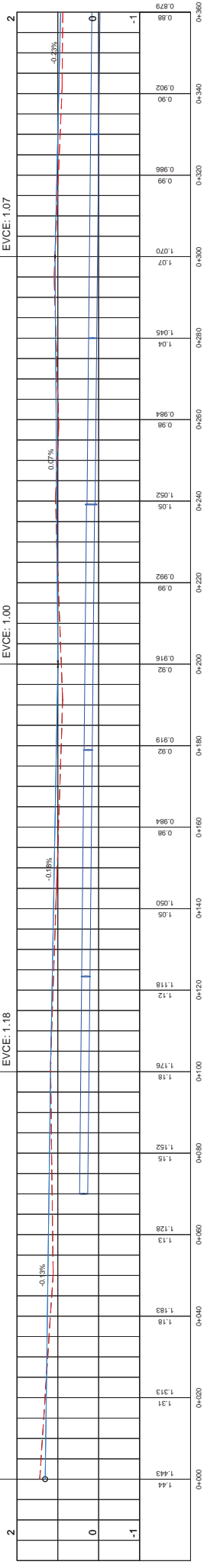


HIGH PT STA: 2+499.84  
 HIGH PT ELEV: 1.07  
 PVI STA: 0+300.00  
 PVI ELEV: 1.07  
 K: 6.00  
 LVC: 0.60  
 BVCS: 0+299.70  
 BVCE: 1.07  
 EVCS: 0+300.30  
 EVCE: 1.07

LOW PT STA: 2+00.32  
 LOW PT ELEV: 1.00  
 PVI STA: 0+200.00  
 PVI ELEV: 1.00  
 K: 6.00  
 LVC: 1.48  
 BVCS: 0+199.26  
 BVCE: 1.00  
 EVCS: 0+200.74  
 EVCE: 1.00

HIGH PT STA: 0+99.96  
 HIGH PT ELEV: 1.18  
 PVI STA: 0+100.00  
 PVI ELEV: 1.18  
 K: 2.00  
 LVC: 0.09  
 BVCS: 0+99.96  
 BVCE: 1.18  
 EVCS: 0+100.04  
 EVCE: 1.18

GRADE BREAK STA: 0+000.00  
 ELEV: 1.289

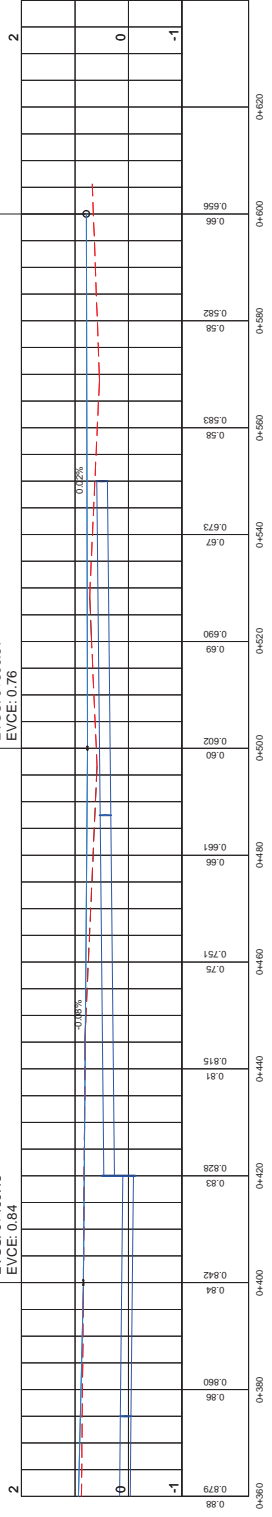


Geveshi Magu- Profile 1


LOW PT STA: 4+00.45  
 LOW PT ELEV: 0.84  
 PVI STA: 0+400.00  
 PVI ELEV: 0.84  
 K: 6.00  
 LVC: 0.90  
 BVCS: 0+399.55  
 BVCE: 0.84  
 EVCS: 0+400.45  
 EVCE: 0.84

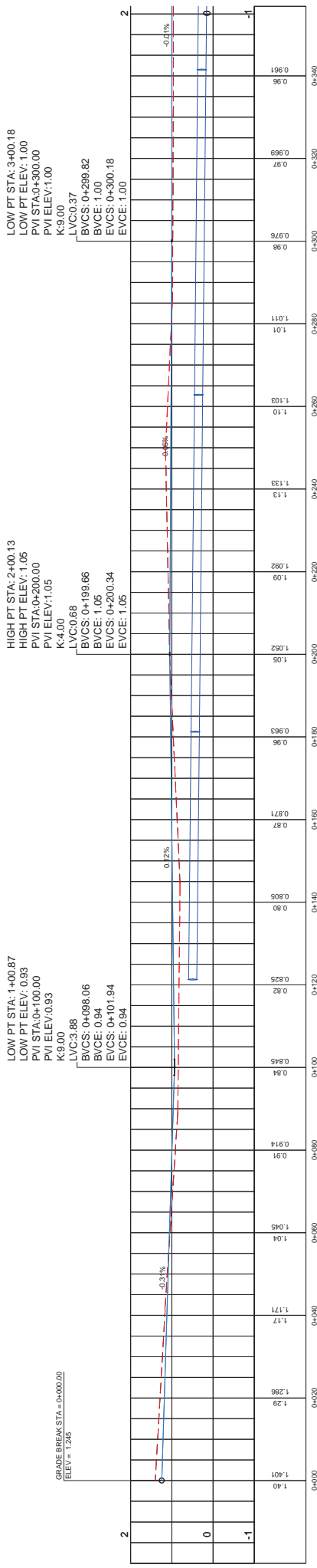
LOW PT STA: 5+00.16  
 LOW PT ELEV: 0.76  
 PVI STA: 0+500.00  
 PVI ELEV: 0.76  
 K: 6.00  
 LVC: 0.61  
 BVCS: 0+499.69  
 BVCE: 0.76  
 EVCS: 0+500.31  
 EVCE: 0.76

GRADE BREAK STA: 0+600.00  
 ELEV: 0.785

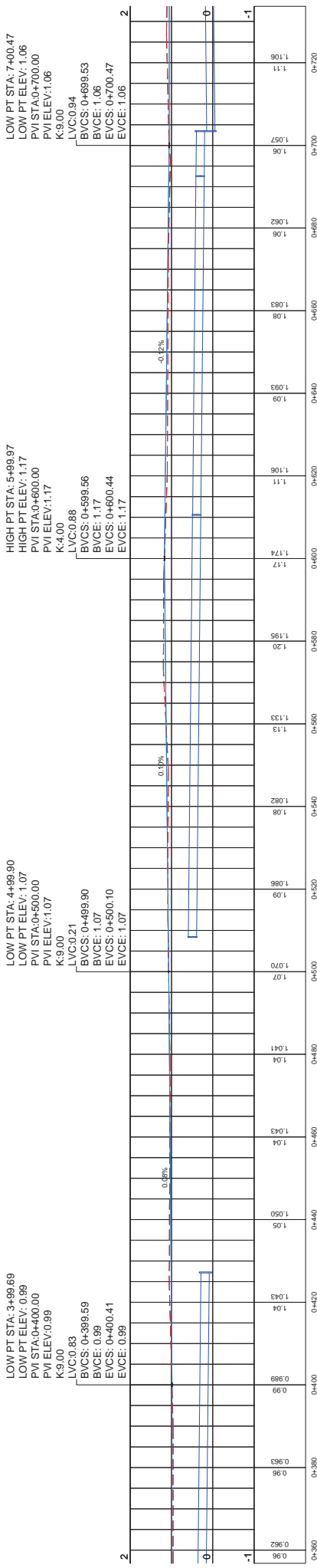


Geveshi Magu- Profile 2

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS			DRAWN BY: ALI ZAMEER APPROVED BY: ALI AFAQ PROJECT NO: GAH-RC-2020-03 DRAWING NO: 19 SCALE: 1:100 DATE: SEPTEMBER 2020
CLIENT: MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES	CONTRACTOR: ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE' REPUBLIC OF MALDIVES		DRAWING TITLE: <b>GEVESHI MAGU          PROFILE - 01 &amp; 02</b>



Ameenemagu - Profile 1



Ameenemagu - Profile 2

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

**CLIENT:**  
MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

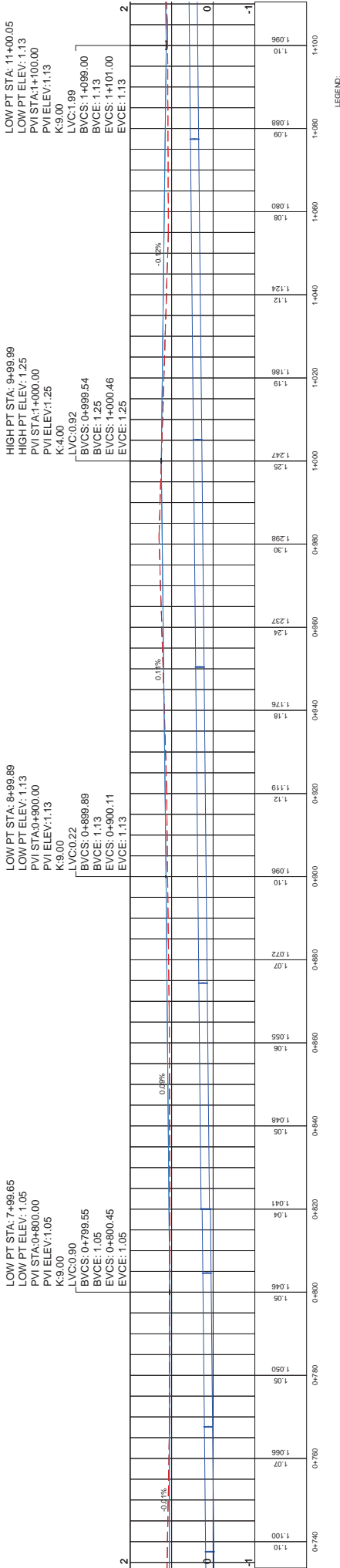
**CONTRACTOR:**  
ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU, MALE'  
REPUBLIC OF MALDIVES

**DRAWING TITLE:**  
AMEENEE MAGU  
PROFILE - 01 & 02

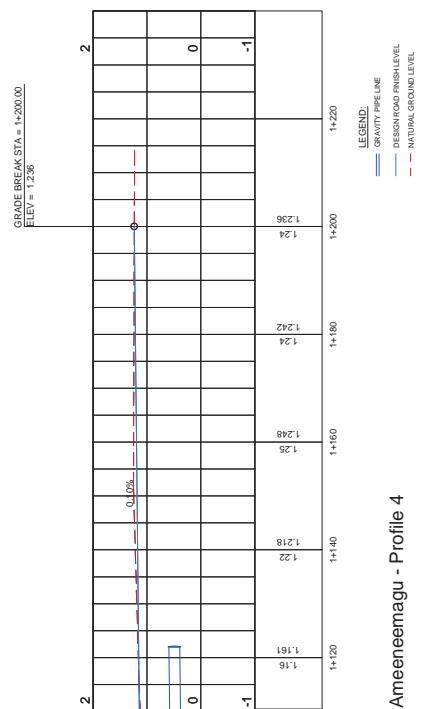


**DRAWN BY:** ALI ZAMEER  
**APPROVED BY:** ALI AFAAQ  
**PROJECT NO:** GAH-RC-2020-03  
**DRAWING NO:** 20  
**SCALE:** 1:100


**DATE:** SEPTEMBER 2020



Ameeneemagu - Profile 3



Ameeneemagu - Profile 4

PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS	
CLIENT:	MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES
CONTRACTOR:	ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU, MALE' REPUBLIC OF MALDIVES
DRAWING TITLE:	<b>AMEENEE MAGU          PROFILE - 03 &amp; 04</b>
	
DRAWN BY:	ALI ZAMEER
APPROVED BY:	ALI AFAAQ
PROJECT NO:	GAH-RC-2020-03
DRAWING NO:	21
SCALE:	1:100
DATE:	SEPTEMBER 2020

LOW PT STA: 2+99.93  
 LOW PT ELEV: 1.08  
 PVI STA: 0+300.00  
 PVI ELEV: 1.08  
 K: 9.00

HIGH PT STA: 1+99.93  
 HIGH PT ELEV: 1.16  
 PVI STA: 0+200.00  
 PVI ELEV: 1.16  
 K: 4.00

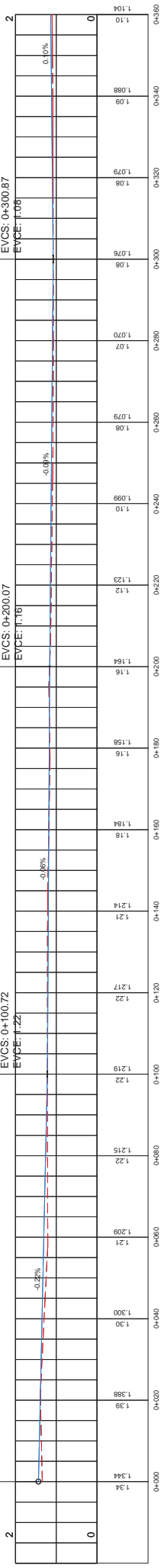
LOW PT STA: 1+00.72  
 LOW PT ELEV: 1.22  
 PVI STA: 0+100.00  
 PVI ELEV: 1.22  
 K: 9.00

GRADE BREAK STA = 0+000.00  
 ELEV = 1.435

LVC: 1.74  
 BVCS: 0+299.13  
 BVCE: 1.08  
 EVCS: 0+300.87  
 EVCE: 1.08

LVC: 0.13  
 BVCS: 0+199.93  
 BVCE: 1.16  
 EVCS: 0+200.07  
 EVCE: 1.16

LVC: 1.45  
 BVCS: 0+099.28  
 BVCE: 1.22  
 EVCS: 0+100.72  
 EVCE: 1.22



Beach Road - Profile 1

LOW PT STA: 4+00.00  
 LOW PT ELEV: 1.18  
 PVI STA: 0+400.00  
 PVI ELEV: 1.18  
 K: 9.00

HIGH PT STA: 4+99.99  
 HIGH PT ELEV: 1.29  
 PVI STA: 0+500.00  
 PVI ELEV: 1.29  
 K: 4.00

LOW PT STA: 6+00.04  
 LOW PT ELEV: 1.18  
 PVI STA: 0+600.00  
 PVI ELEV: 1.18  
 K: 9.00

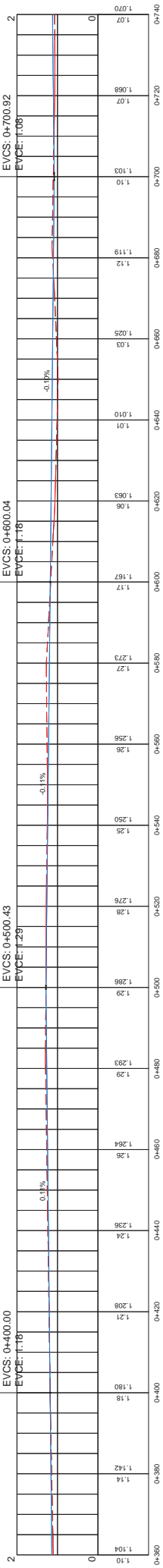
LOW PT STA: 6+99.96  
 LOW PT ELEV: 1.08  
 PVI STA: 0+700.00  
 PVI ELEV: 1.08  
 K: 9.00

LVC: 0.00  
 BVCS: 0+400.00  
 BVCE: 1.18  
 EVCS: 0+400.00  
 EVCE: 1.18

LVC: 0.85  
 BVCS: 0+499.57  
 BVCE: 1.29  
 EVCS: 0+500.43  
 EVCE: 1.29

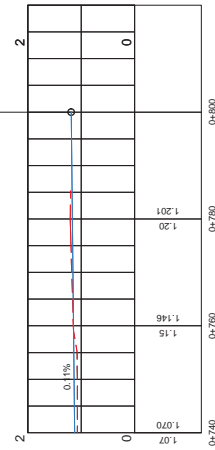
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 BVCS: 0+599.96  
 BVCE: 1.18  
 EVCS: 0+600.04  
 EVCE: 1.18

LVC: 1.84  
 BVCS: 0+699.08  
 BVCE: 1.08  
 EVCS: 0+700.92  
 EVCE: 1.08



Beach Road - Profile 2

GRADE BREAK STA = 0+800.00  
 ELEV = 1.105



Beach Road - Profile 3

**PROJECT:** DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

**CLIENT:** MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
 AMEENEE MAGU,  
 MALE'  
 REPUBLIC OF MALDIVES

**CONTRACTOR:** ROAD DEVELOPMENT CORPORATION LTD.  
 ORCHID MAGU,  
 MAAFANNU, MALE'  
 REPUBLIC OF MALDIVES

**DRAWING TITLE:** BEACH ROAD  
 PROFILE - 01, 02 & 03

**DATE:** SEPTEMBER 2020


**SCALE:** 1:100

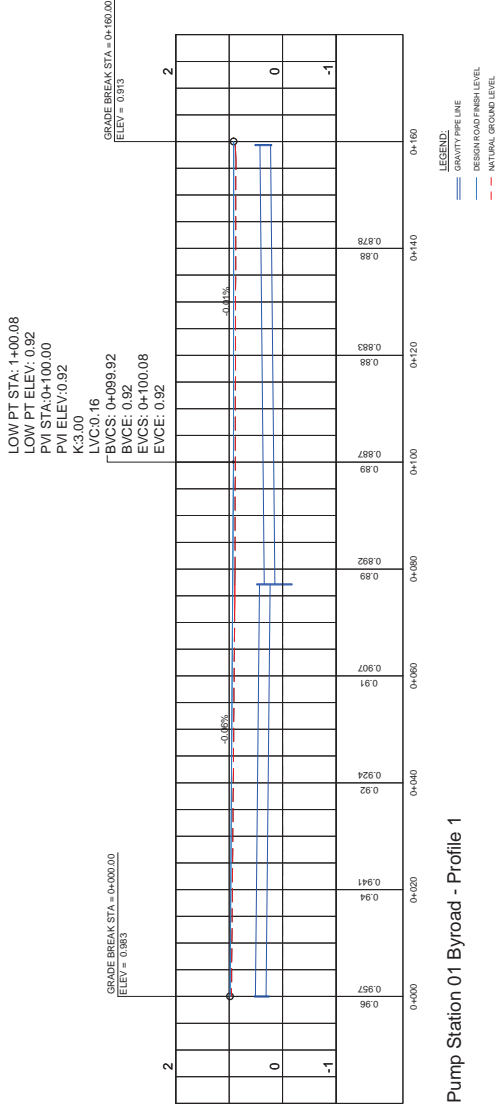
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**PROJECT NO.:** GAH-RC-2020-03

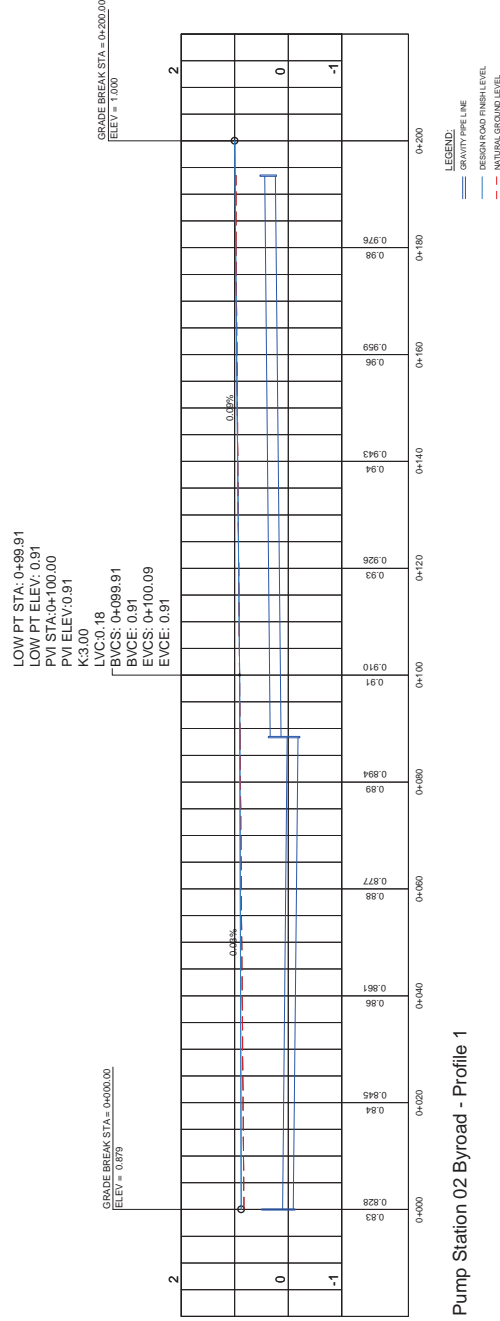
**APPROVED BY:** ALI AFAAQ

**DRAWN BY:** ALI ZAMEER





Pump Station 01 Byroad - Profile 1



Pump Station 02 Byroad - Profile 1

**PROJECT:** DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS

**CLIENT:** MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
 AMEENEE MAGU,  
 MALE'  
 REPUBLIC OF MALDIVES

**CONTRACTOR:** ROAD DEVELOPMENT CORPORATION LTD.  
 ORCHID MAGU,  
 MAAFANNU, MALE'  
 REPUBLIC OF MALDIVES

**DRAWING TITLE:** PUMP STATION BY ROADS  
 PROFILE - 01

**RDC**

**DRAWN BY:** ALI ZAMEER  
**APPROVED BY:** ALI AFAQ  
**PROJECT NO:** GAH-RC-2020-03  
**DRAWING NO:** 23  
**SCALE:** 1:100  
**DATE:** SEPTEMBER 2020

ADH. MAAMIGILLI  
**DESIGN & BUILD OF ADH.MAAMIGILI MAJOR ROADS**  
DETAILED DRAWINGS

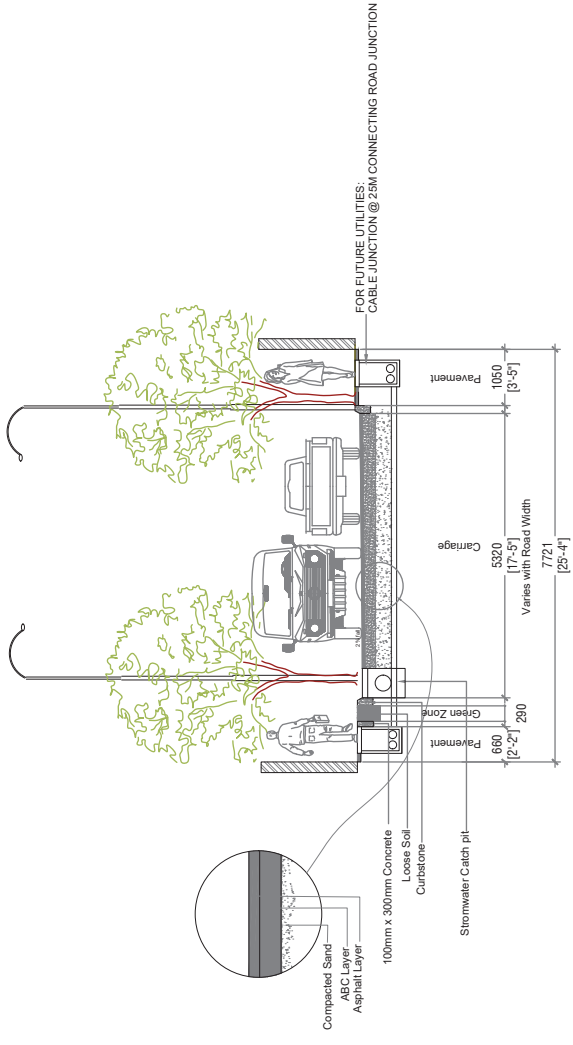
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DESIGNED BY:  
ROAD DEVELOPMENT CORPORATION  
ORCHID MAGU, MAAFANNU, MALE, REPUBLIC OF MALDIVES

CLIENT:  
MINISTRY OF NATIONAL PLANNING, HOUSING & INFRASTRUCTURE  
AMEENEE MAGU, MAAFANNU, MALE' 20392, REPUBLIC OF MALDIVES

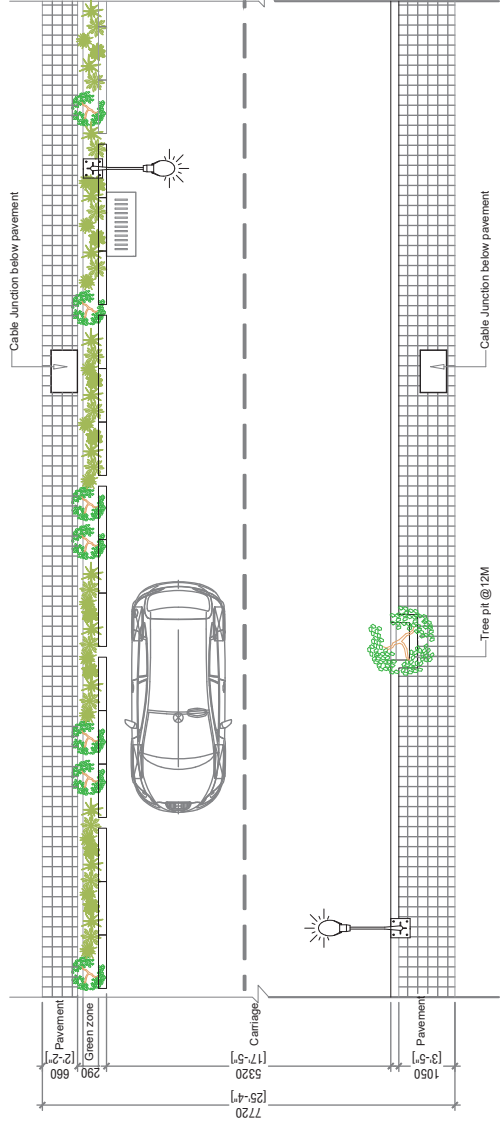






**AMEENEE MAGU - SECTION**

SCALE 1:100



**AMEENEE MAGU - PLAN (OPTION - 1)**

SCALE 1:100

**PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS**

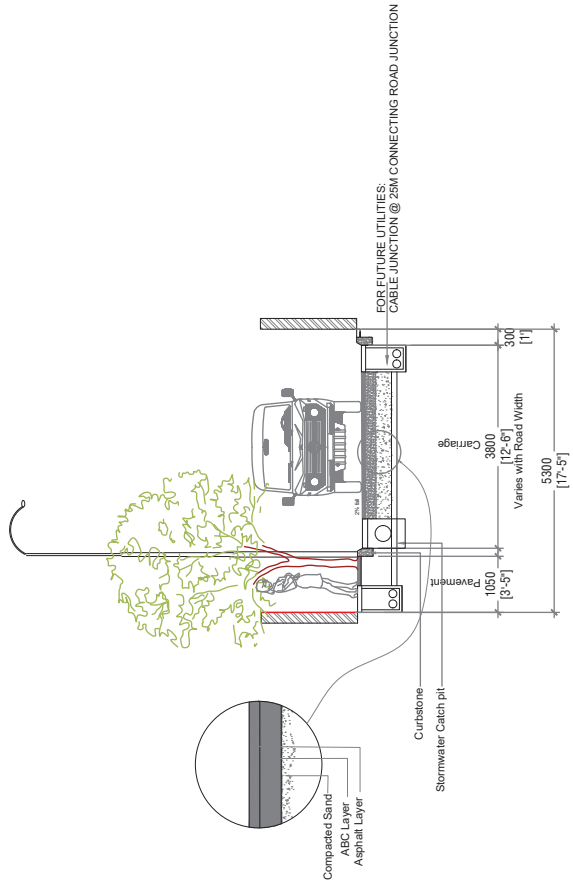
**CLIENT:**  
MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

**CONTRACTOR:**  
ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU, MALE'  
REPUBLIC OF MALDIVES

**DRAWING TITLE:**  
ROAD CONCEPTS  
AMEENEE MAGU

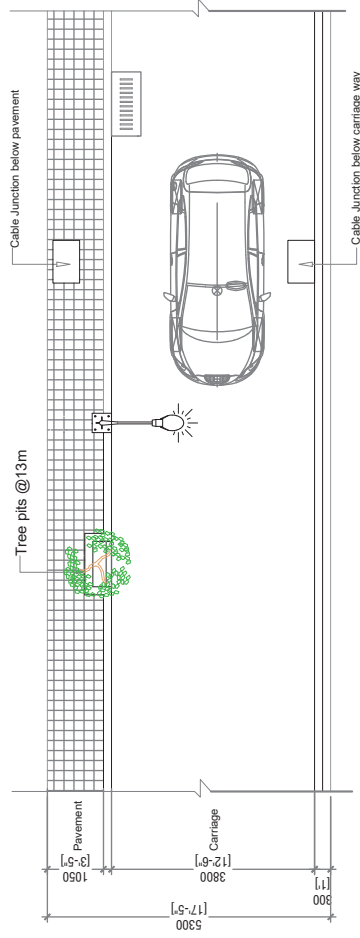


**DRAWN BY:** AHMED IRFAN  
**APPROVED BY:** ALI ZAMEER  
**PROJECT NO:** MAA-RC-2020-03  
**DRAWING NO:** 01  
**SCALE:** 1:100  
**DATE:** NOVEMBER 2021



### BONTHIJEHI MAGU - SECTION

SCALE 1:100



### BONTHIJEHI MAGU - PLAN

SCALE 1:100

**PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS**

CLIENT:

MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

CONTRACTOR:

ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU. MALE'  
REPUBLIC OF MALDIVES

DRAWING TITLE:

ROAD CONCEPTS  
BONTHIJEHI MAGU



DRAWN BY: ALI ZAMEER

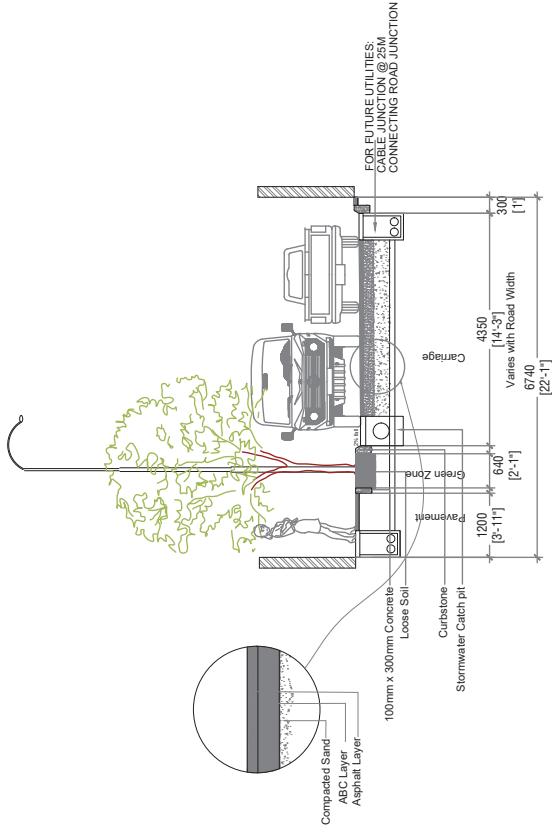
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PROJECT NO: MAA-RC-2020-03

DRAWING NO: 02

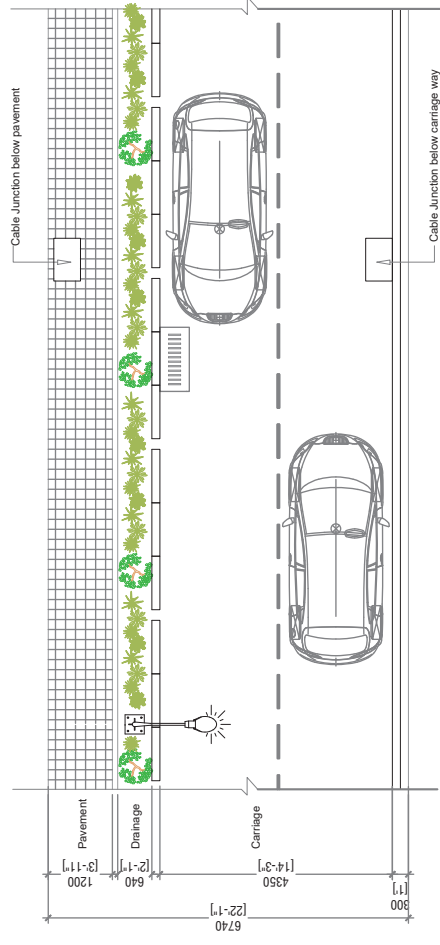
SCALE: 1:100

DATE: FEBRUARY 2021



**JAVAAHIRU MAGU - SECTION**

SCALE 1:100



**JAVAAHIRU MAGU - PLAN**

SCALE 1:100

**PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS**

**CLIENT:**  
 MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
 AMEENEE MAGU,  
 MALE'  
 REPUBLIC OF MALDIVES

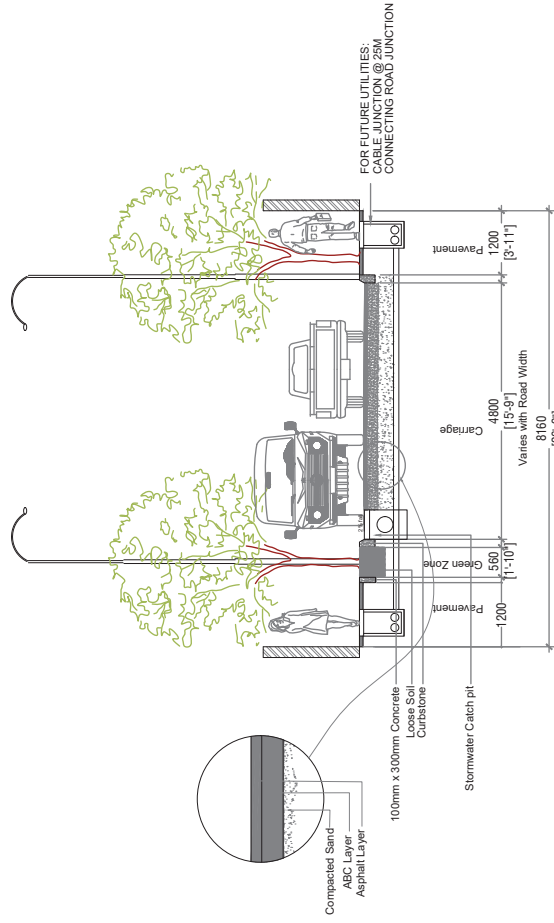
**CONTRACTOR:**  
 ROAD DEVELOPMENT CORPORATION LTD.  
 ORCHID MAGU,  
 MAAFANNU MALE'  
 REPUBLIC OF MALDIVES

**DRAWING TITLE:**  
 ROAD CONCEPTS  
 JAVAAHIRU MAGU



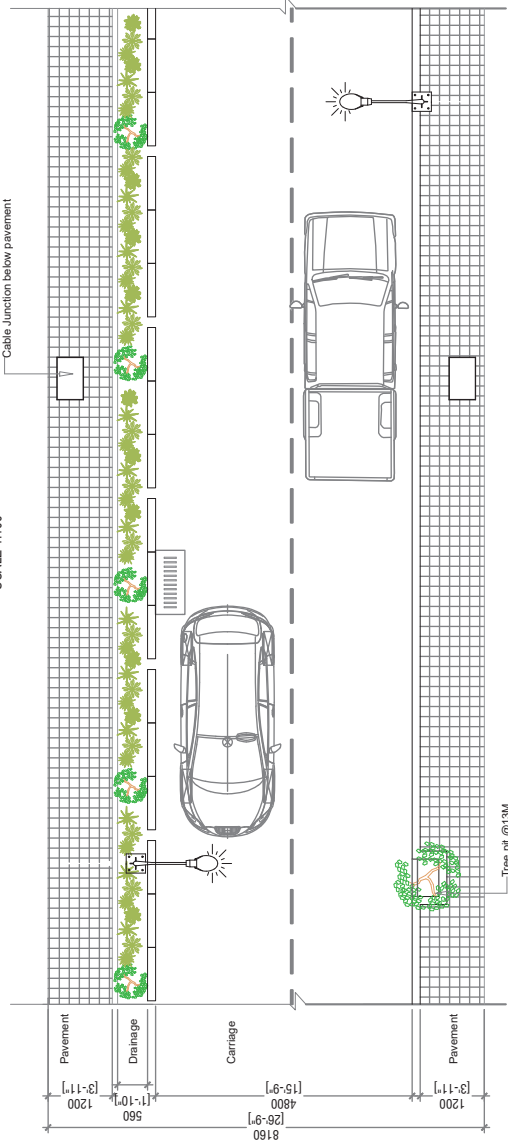
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**APPROVED BY:** MOHAMED SHAREEF  
**PROJECT NO:** MAA-RC-2020-03  
**DRAWING NO:** 03  
**SCALE:** 1:100

**DATE:** FEBRUARY 2021



**GEVEHI MAGU - SECTION**

SCALE 1:100



**GEVEHI MAGU - PLAN**

SCALE 1:100

**PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS**

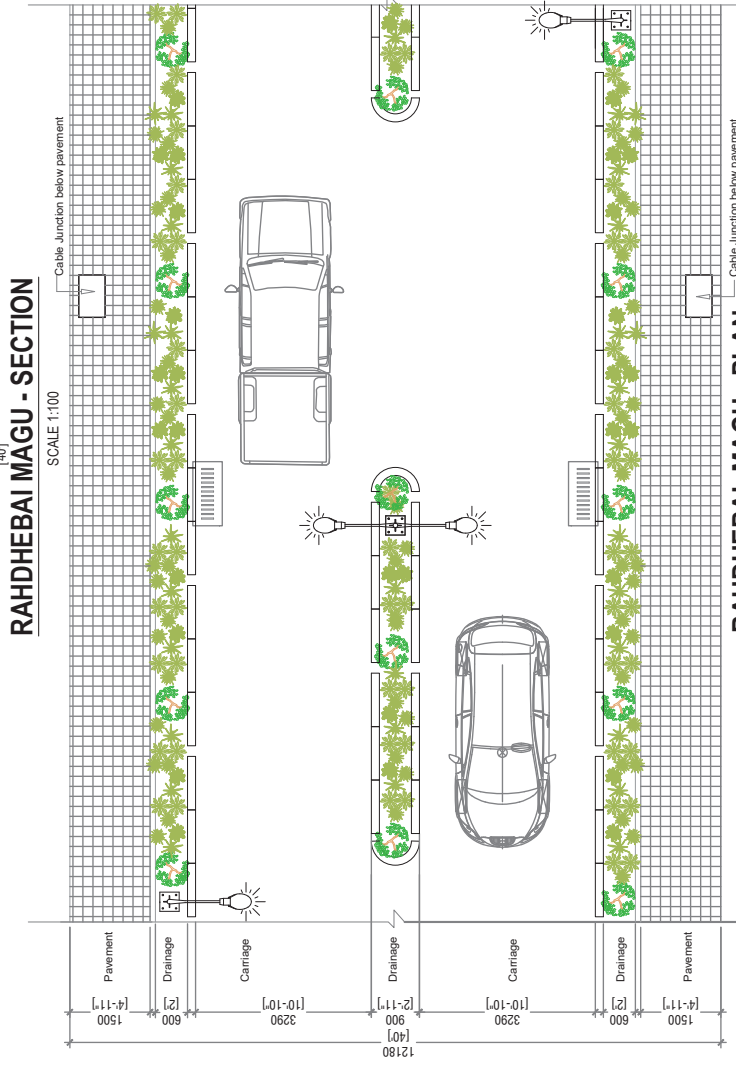
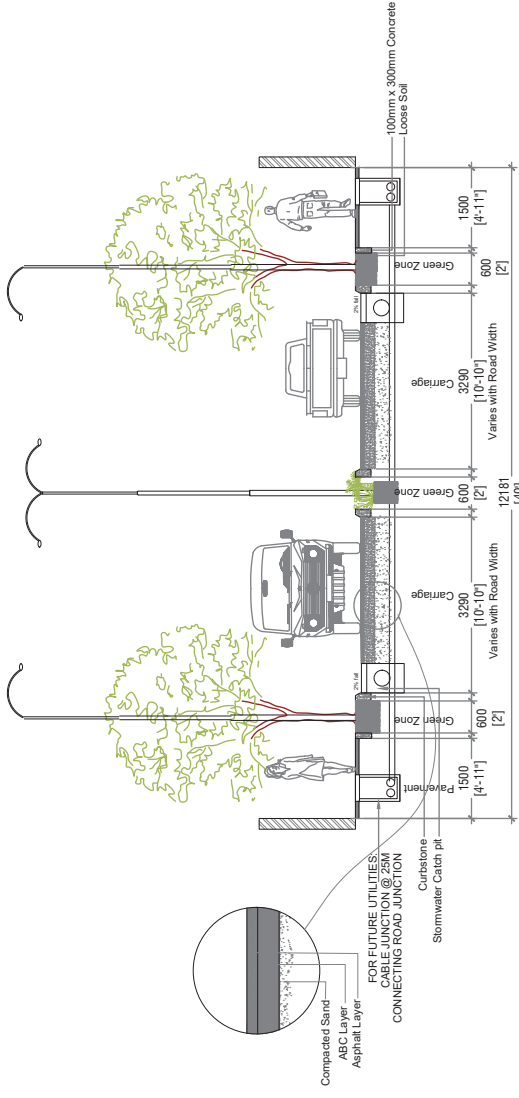
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MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

**CONTRACTOR:**  
ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU, MALE'  
REPUBLIC OF MALDIVES

**DRAWING TITLE:**  
ROAD CONCEPTS  
GEVEHI MAGU



**DRAWN BY:** ALI ZAMEER  
**APPROVED BY:** MOHAMED SHAREEF  
**PROJECT NO:** MAA-RC-2020-03  
**DRAWING NO:** 04  
**SCALE:** 1:100  
**DATE:** FEBRUARY 2021



**PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS**

**CLIENT:**

MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

**CONTRACTOR:**

ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU. MALE'  
REPUBLIC OF MALDIVES

**DRAWING TITLE:**

ROAD CONCEPTS  
RAHDHEBAI MAGU

DRAWN BY: ALI ZAMEER

APPROVED BY: MOHAMED SHAREEF

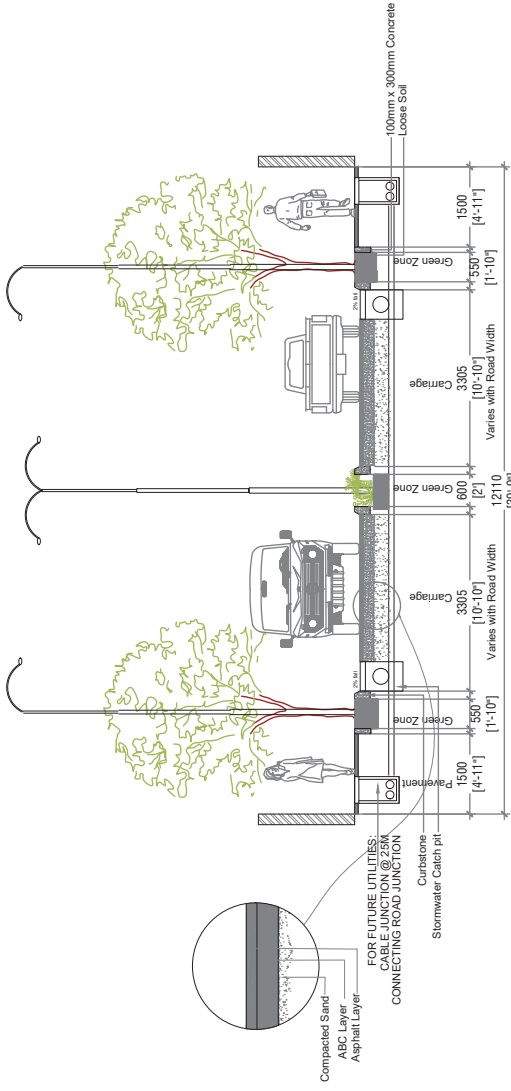
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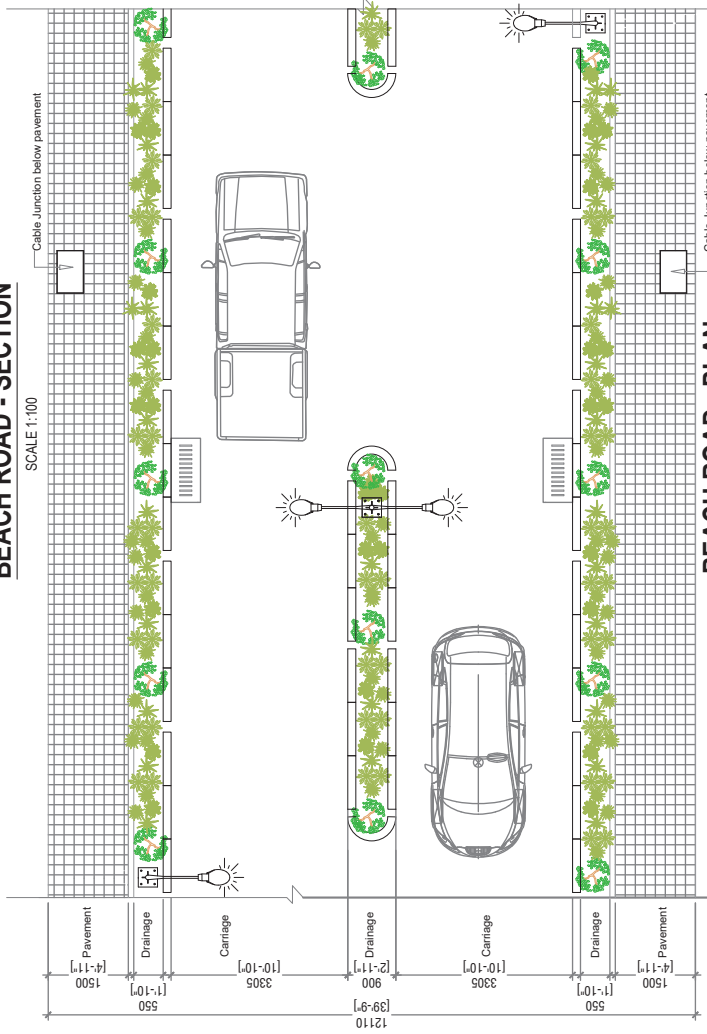
DATE: FEBRUARY 2021





**BEACH ROAD - SECTION**

SCALE 1:100



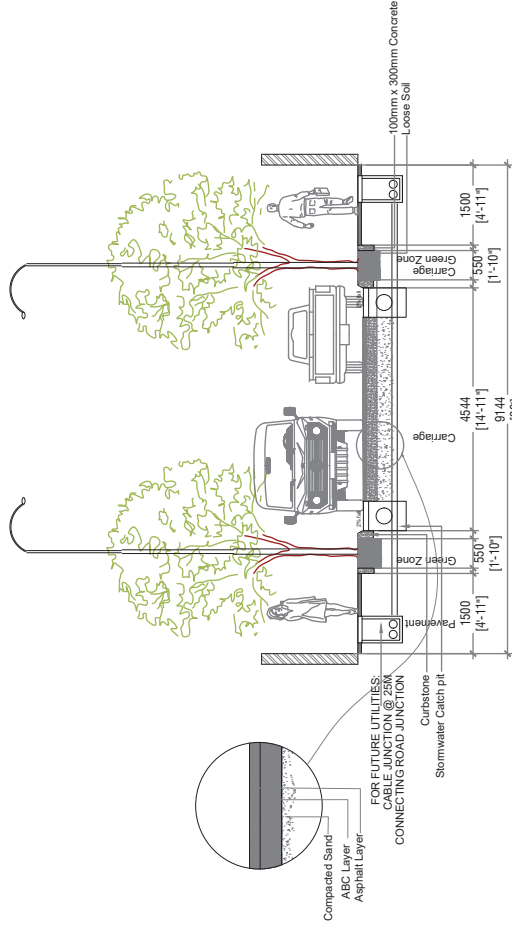
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 APPROVED BY: MOHAMED SHAREEF  
 PROJECT NO: MAA-RC-2020-03  
 DRAWING NO: 06  
 SCALE: 1:100  
 DATE: FEBRUARY 2021

DRAWING TITLE:  
**ROAD CONCEPTS  
 BEACH ROAD**

CONTRACTOR:  
 ROAD DEVELOPMENT CORPORATION LTD.  
 ORCHID MAGU,  
 MAAFANNU, MALE'  
 REPUBLIC OF MALDIVES

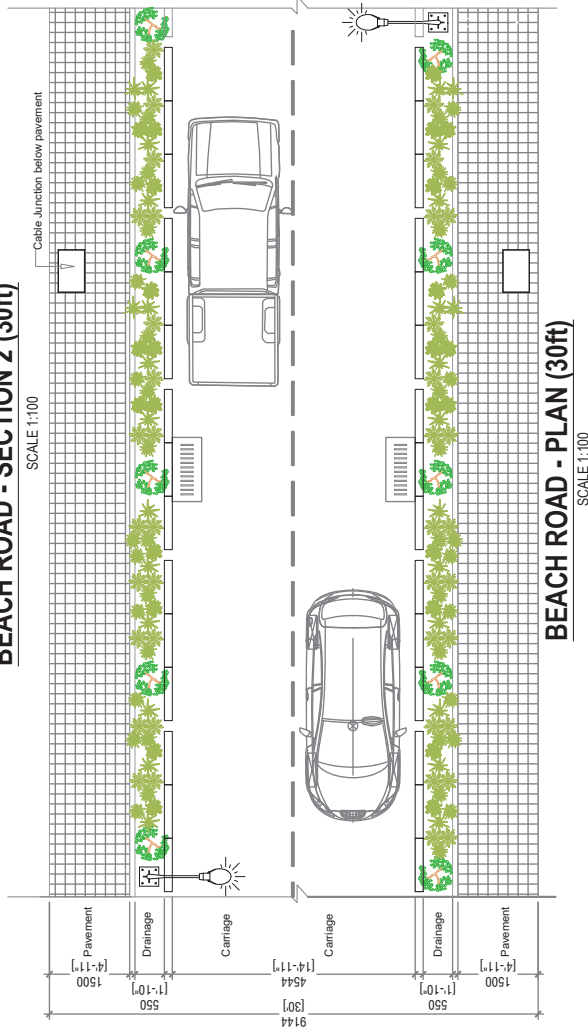
CLIENT:  
 MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
 AMEENEE MAGU,  
 MALE'  
 REPUBLIC OF MALDIVES

**PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS**



**BEACH ROAD - SECTION 2 (30ft)**

SCALE 1:100



**BEACH ROAD - PLAN (30ft)**

SCALE 1:100

**PROJECT: DESIGN & BUILD OF ADH. MAAMIGILI MAJOR ROADS**

CLIENT:

MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

CONTRACTOR:

ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU. MALE'  
REPUBLIC OF MALDIVES

DRAWING TITLE:

ROAD CONCEPTS  
BEACH ROAD



DRAWN BY: ALI ZAMEER

APPROVED BY: MOHAMED SHAREEF

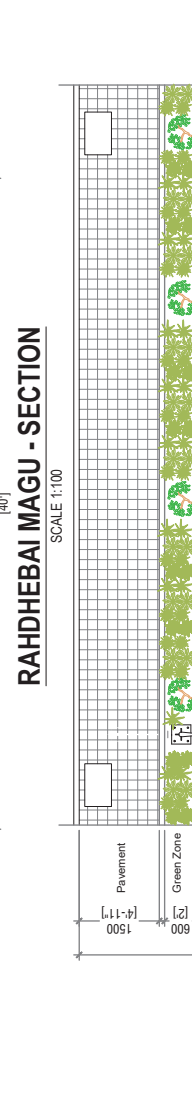
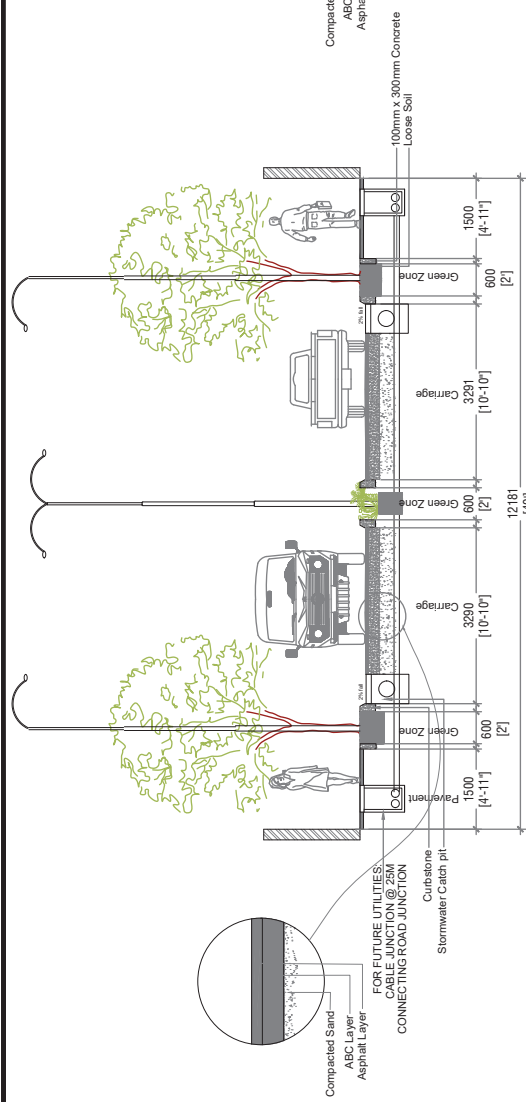
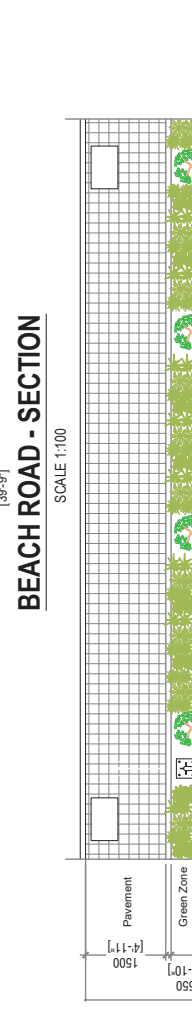
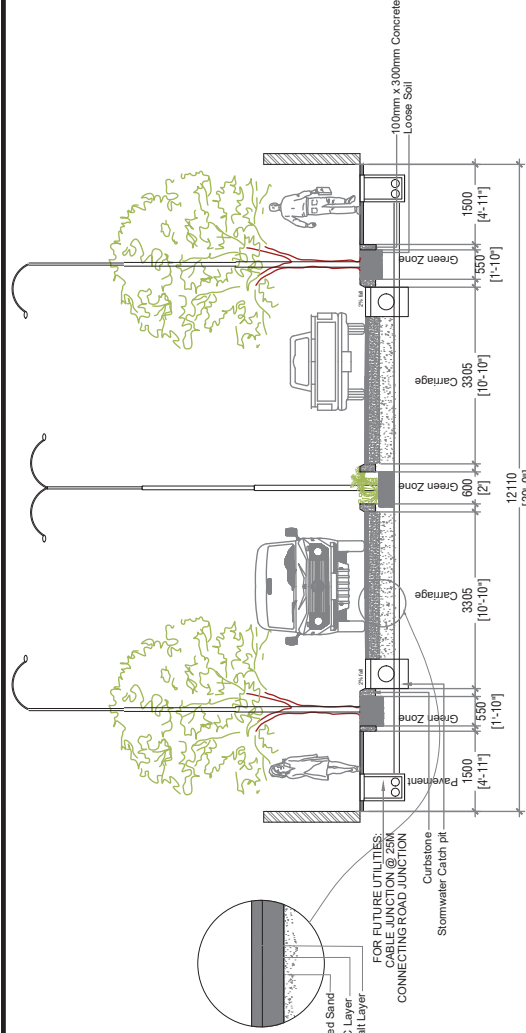
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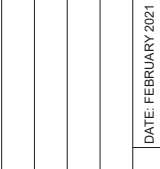
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DATE: FEBRUARY 2021

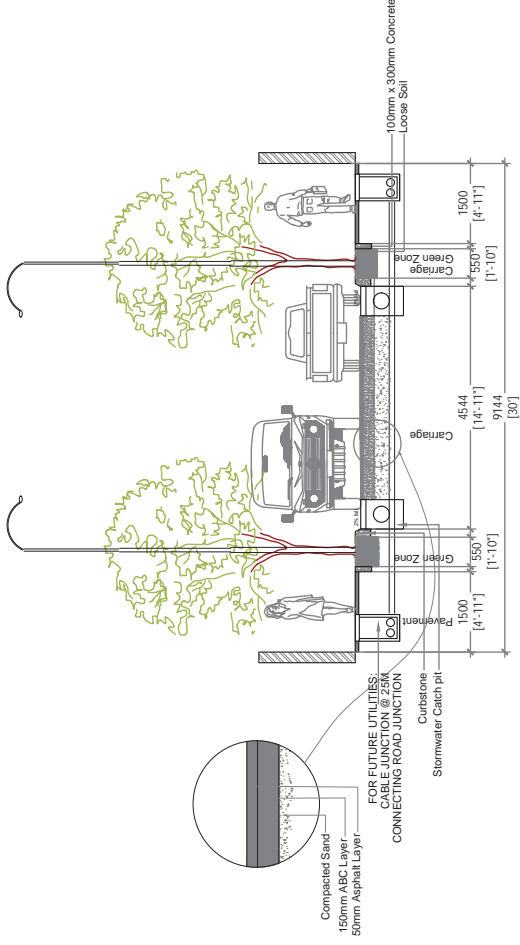




	DRAWING TITLE: <b>ROAD CONCEPTS          BEACH ROAD</b>
DRAWN BY: ALI ZAMEER APPROVED BY: MOHAMED SHAREEF PROJECT NO: MAA-RC-2020-03 DRAWING NO: 08 SCALE: 1:100 DATE: FEBRUARY 2021	CONTRACTOR: ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU MALE' REPUBLIC OF MALDIVES

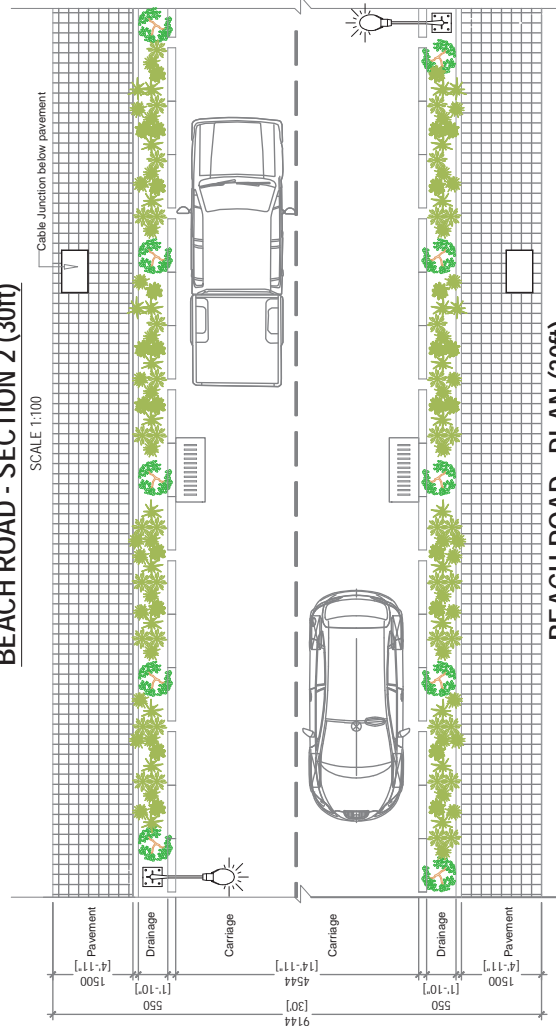
CLIENT: MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES	DRAWING TITLE: <b>ROAD CONCEPTS          BEACH ROAD</b>
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CLIENT: MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE AMEENEE MAGU, MALE' REPUBLIC OF MALDIVES	CONTRACTOR: ROAD DEVELOPMENT CORPORATION LTD. ORCHID MAGU, MAAFANNU MALE' REPUBLIC OF MALDIVES
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**BEACH ROAD - SECTION 2 (30ft)**

SCALE 1:100



**BEACH ROAD - PLAN (30ft)**

SCALE 1:100

PROJECT: DESIGN & BUILD OF ADH - MAAMIGILI MAJOR ROADS

**CLIENT:**  
MINISTRY OF NATIONAL PLANNING & INFRASTRUCTURE  
AMEENEE MAGU,  
MALE'  
REPUBLIC OF MALDIVES

**CONTRACTOR:**  
ROAD DEVELOPMENT CORPORATION LTD.  
ORCHID MAGU,  
MAAFANNU, MALE'  
REPUBLIC OF MALDIVES

**DRAWING TITLE:**  
RAHDHEBAI MAGU  
SECTION 2



**DRAWN BY:** ALI ZAMEER  
**APPROVED BY:** MOHAMED SHAREEF  
**PROJECT NO:** MAA-RC-2020-03  
**DRAWING NO:**  
**SCALE:** 1:100  
**DATE:** MARCH 2021