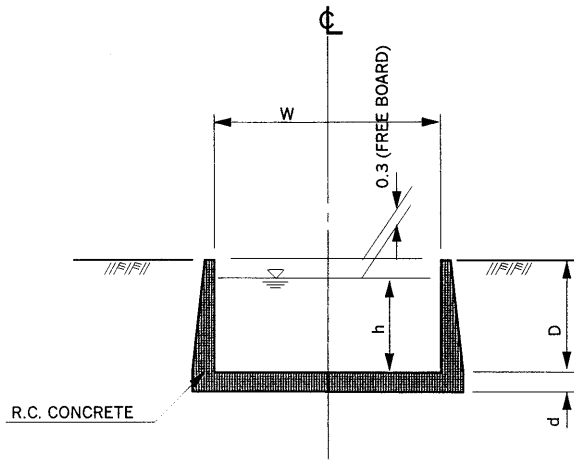


## ***FIGURES***

### TYPICAL CROSS SECTION OF DRAINAGE CHANNEL

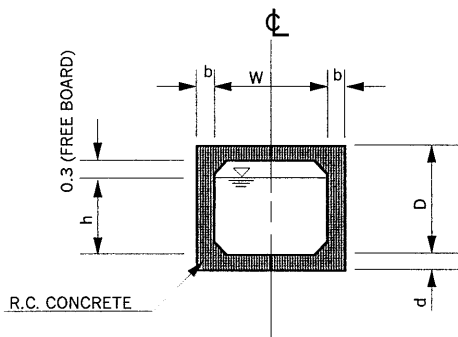


DIMENSION

UNIT : M

W	D	h	d
1.0	1.0	0.7	0.20
2.0	1.5	1.2	0.25
4.0	2.0	1.7	0.30
6.0	2.5	2.2	0.35
8.0	3.0	2.7	0.40
10.0	3.5	3.2	0.45

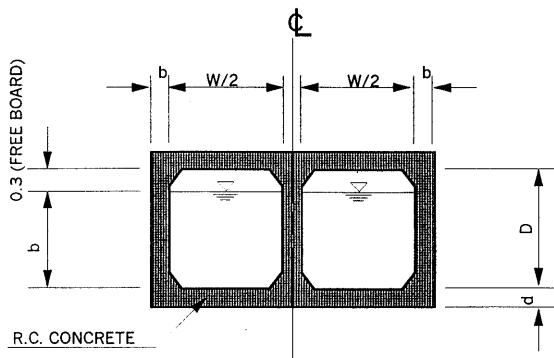
### TYPICAL CROSS SECTION OF BOX CULVERT



DIMENSION

UNIT : M

W	D	h	b&d
1.0	1.0	0.7	0.35
2.0	1.5	1.2	0.30



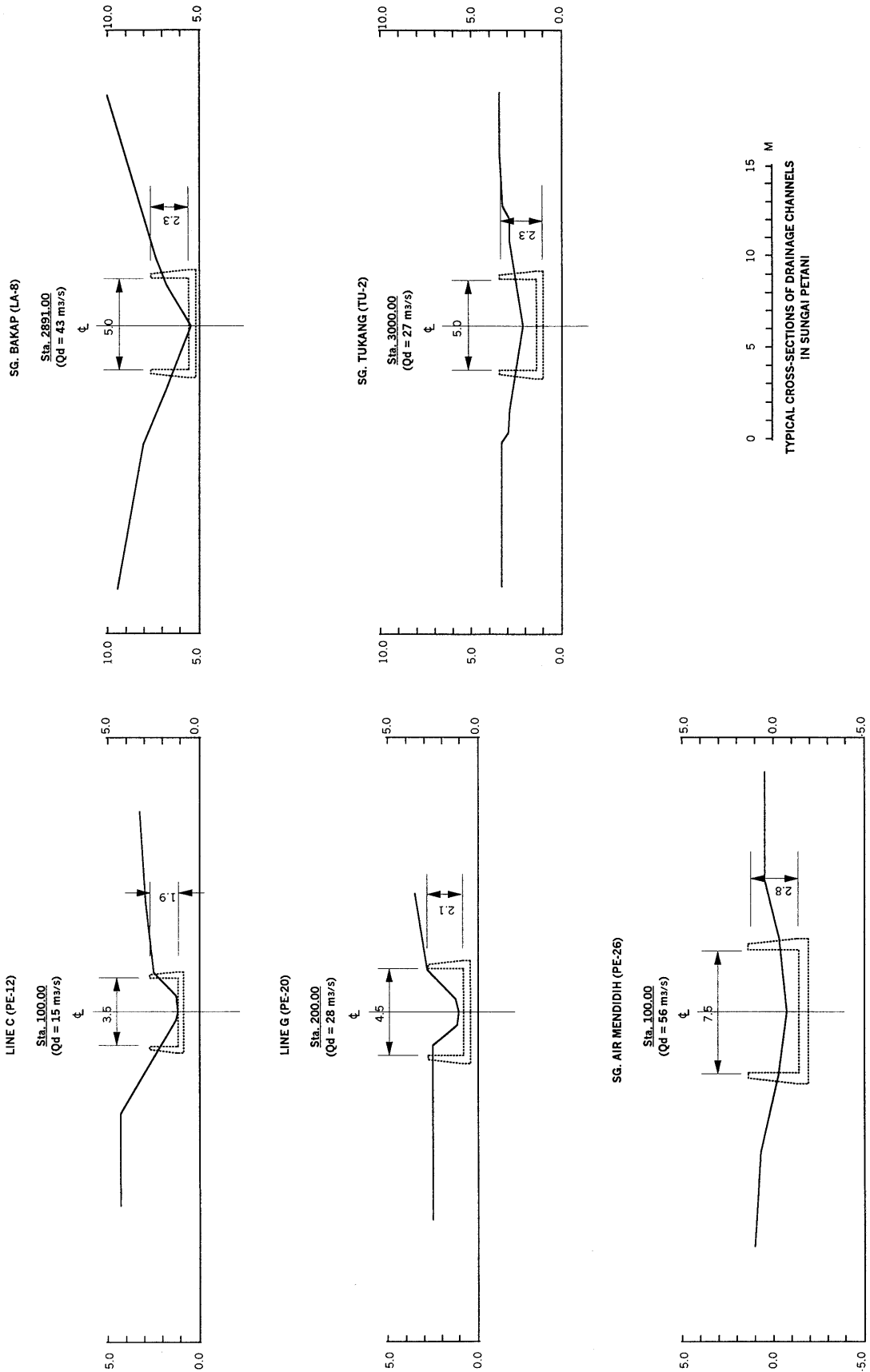
DIMENSION

UNIT : M

W	D	h	b&d
4.0	2.0	1.7	0.33

THE STUDY ON  
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**Fig. VI-1**  
**Typical Cross Sections of RC Drainage**  
**Channel and Box Culvert**

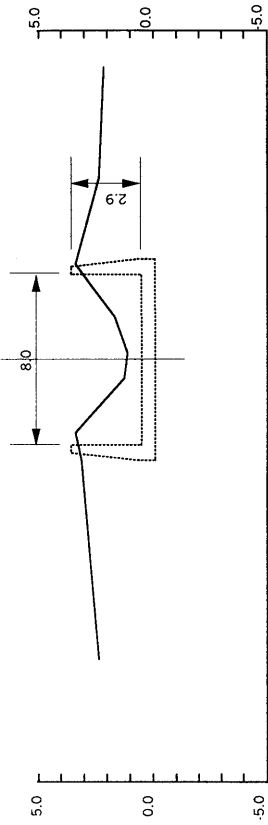


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**Fig. VI-2 (1/2)**  
**Typical Cross Sections of Drainage**  
**Channel Improvement (Sungai Petani)**

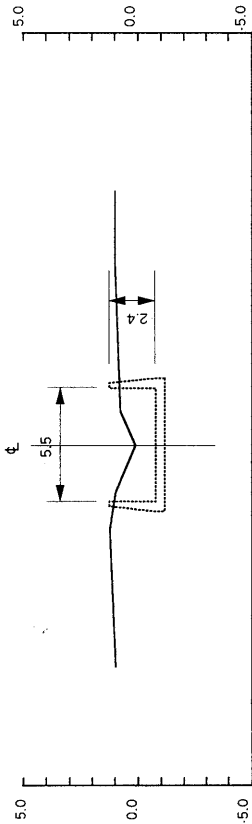
PT. CHENG BESAR (AH-5)

Sta. 200.00  
(Qd = 34 m<sup>3</sup>/s)



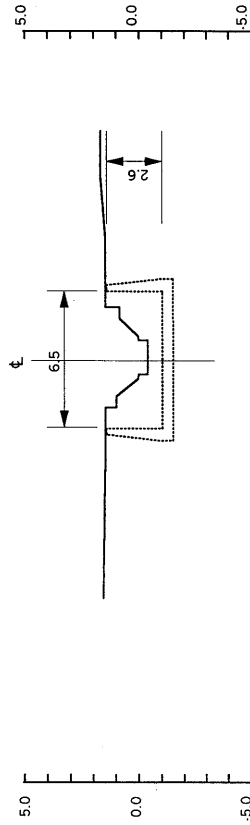
SG. SOLO BANGSAL (SB-2)

Sta. 400.00  
(Qd = 29 m<sup>3</sup>/s)



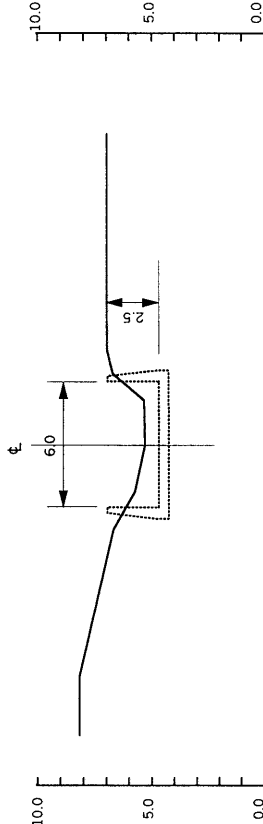
DRAIN XIV (CD-4)

Sta. 100.00  
(Qd = 46 m<sup>3</sup>/s)



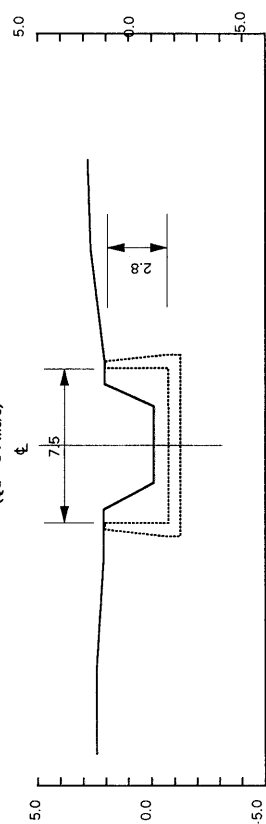
SG. BRUANG (PV-6)

Sta. 200.00  
(Qd = 79 m<sup>3</sup>/s)



DRAIN III (ME-6)

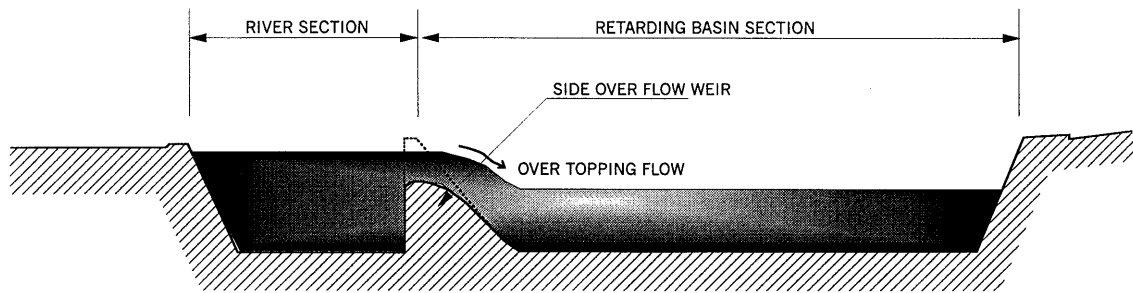
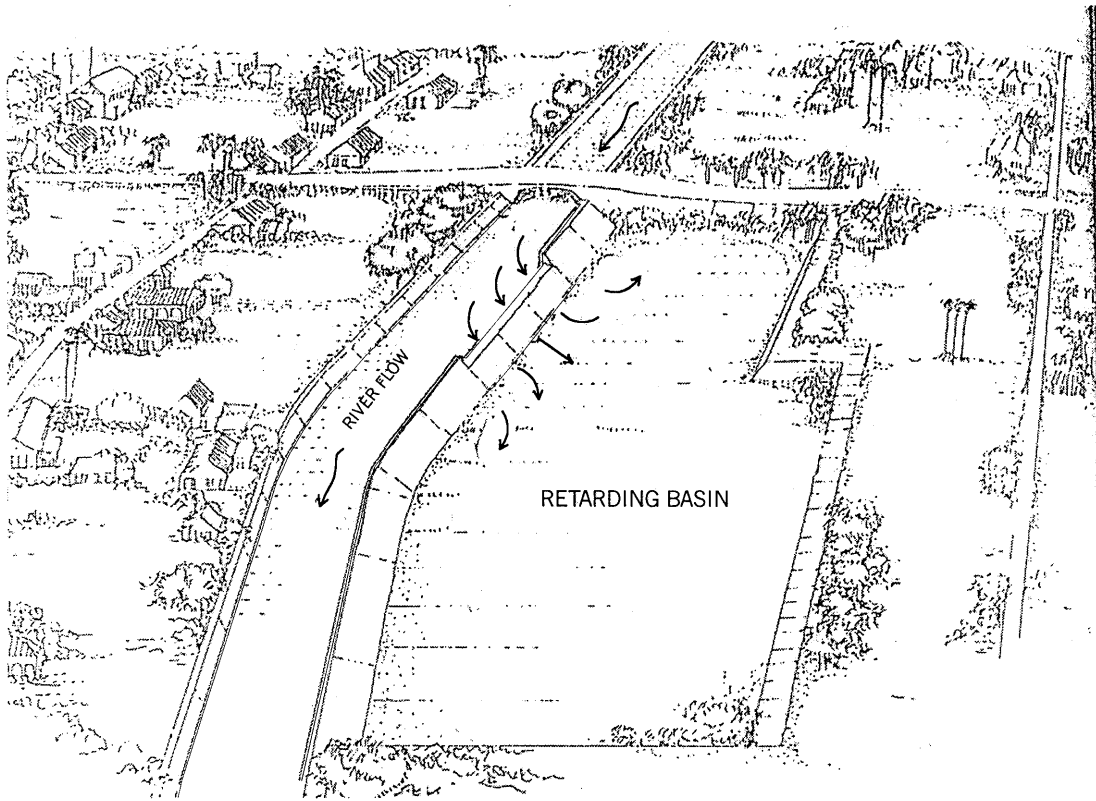
Sta. 100.00  
(Qd = 54 m<sup>3</sup>/s)



0 5 10 15 M  
TYPICAL CROSS-SECTIONS OF DRAINAGE CHANNELS  
IN MELAKA

THE STUDY ON  
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FOR MELAKA AND SUNGAI PETANI IN MALAYSIA  
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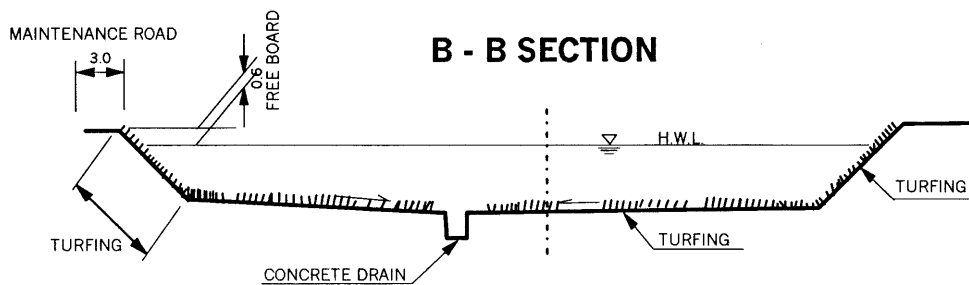
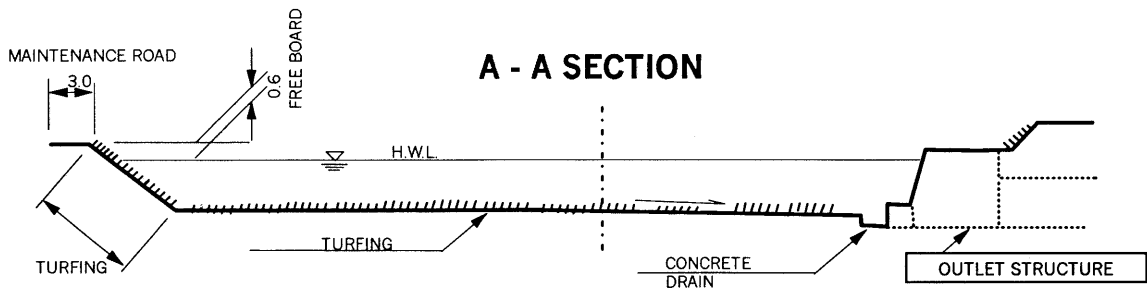
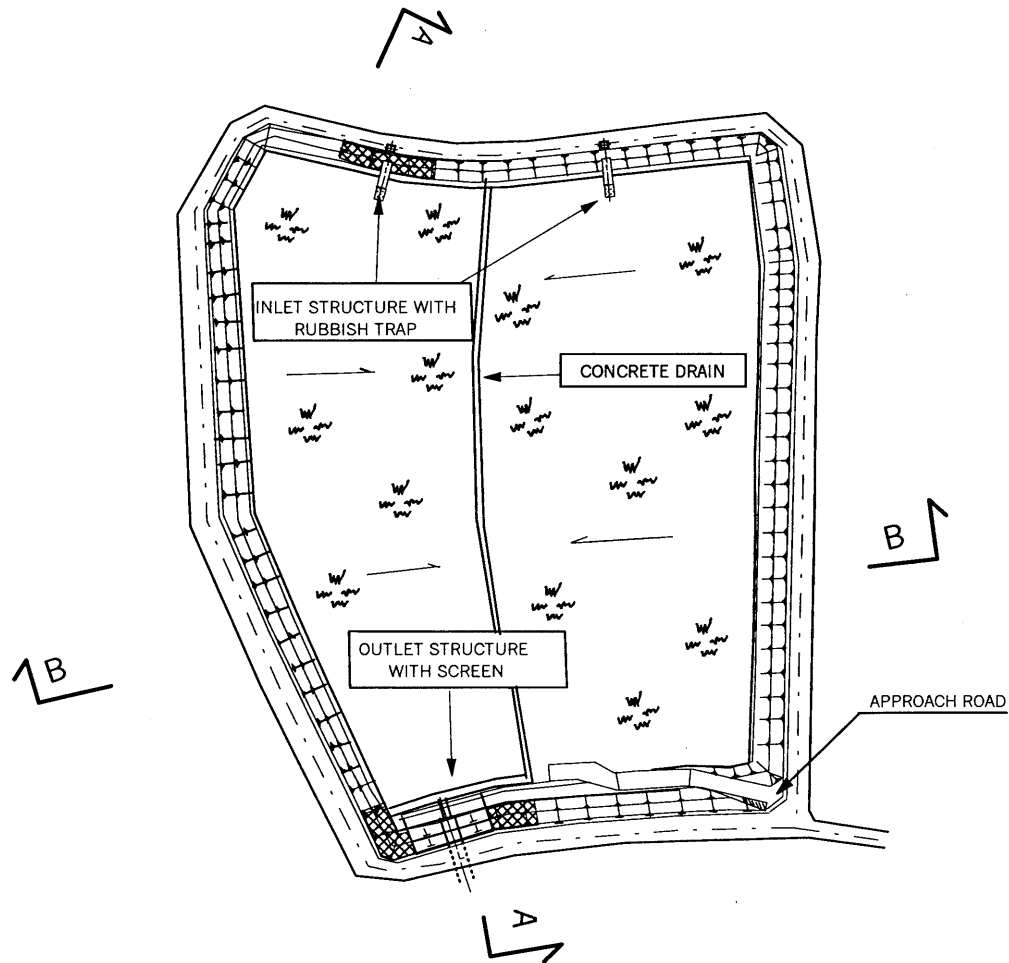
Fig. VI-2 (2/2)  
Typical Cross Sections of Drainage  
Channel Improvement (Melaka)



THE STUDY ON  
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 FOR MELAKA AND SUNGAI PETANI IN MALAYSIA  
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**Fig. VI-3**  
**General Outline of Retarding Basin**

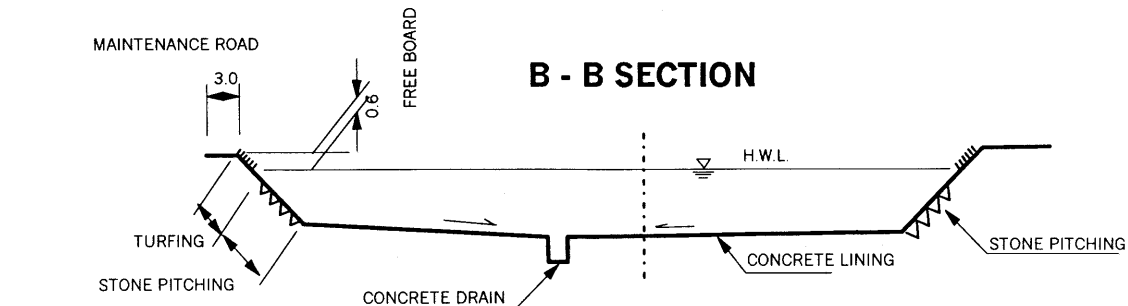
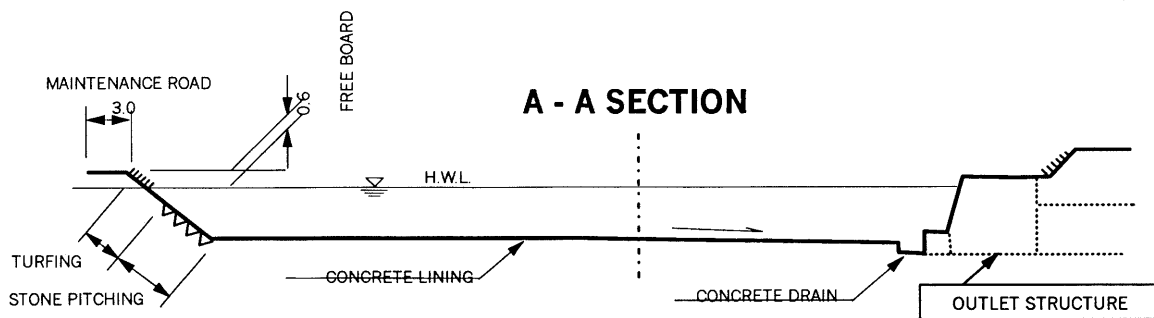
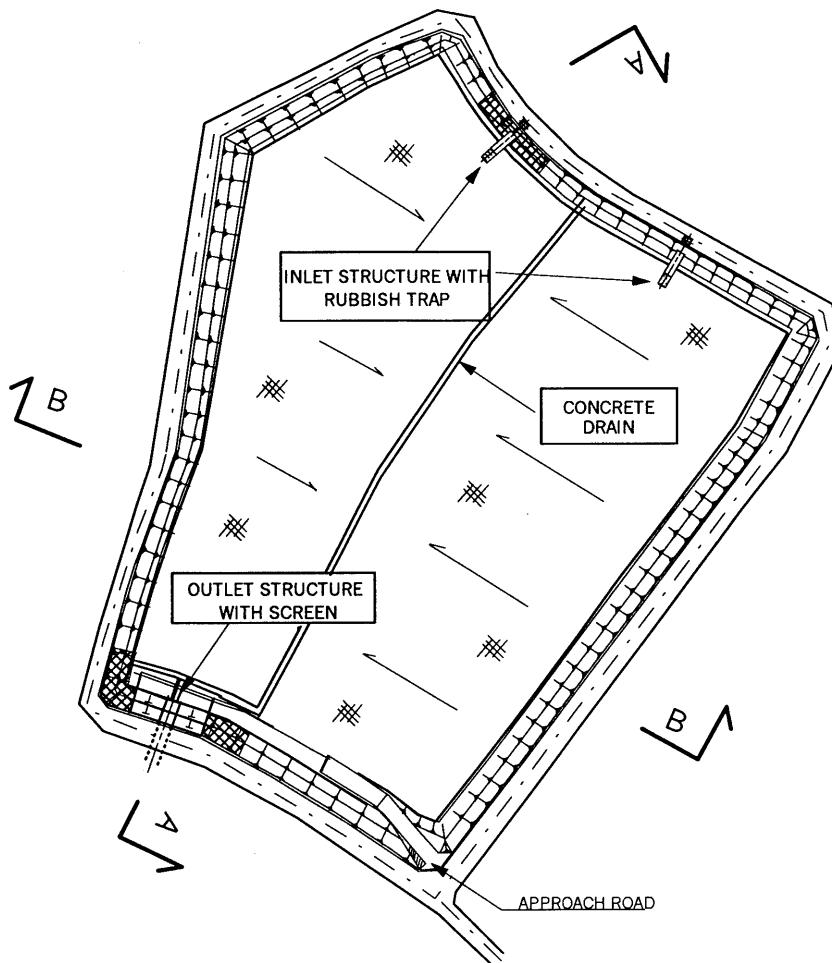
# PLAN OF DETENTION POND



THE STUDY ON  
 INTEGRATED URBAN DRAINAGE IMPROVEMENT  
 FOR MELAKA AND SUNGAI PETANI IN MALAYSIA  
 JAPAN INTERNATIONAL COOPERATION AGENCY

**Fig. VI-4 (1/4)**  
 Typical Plans of Detention Pond  
 (Non-community/Earth/Dry)

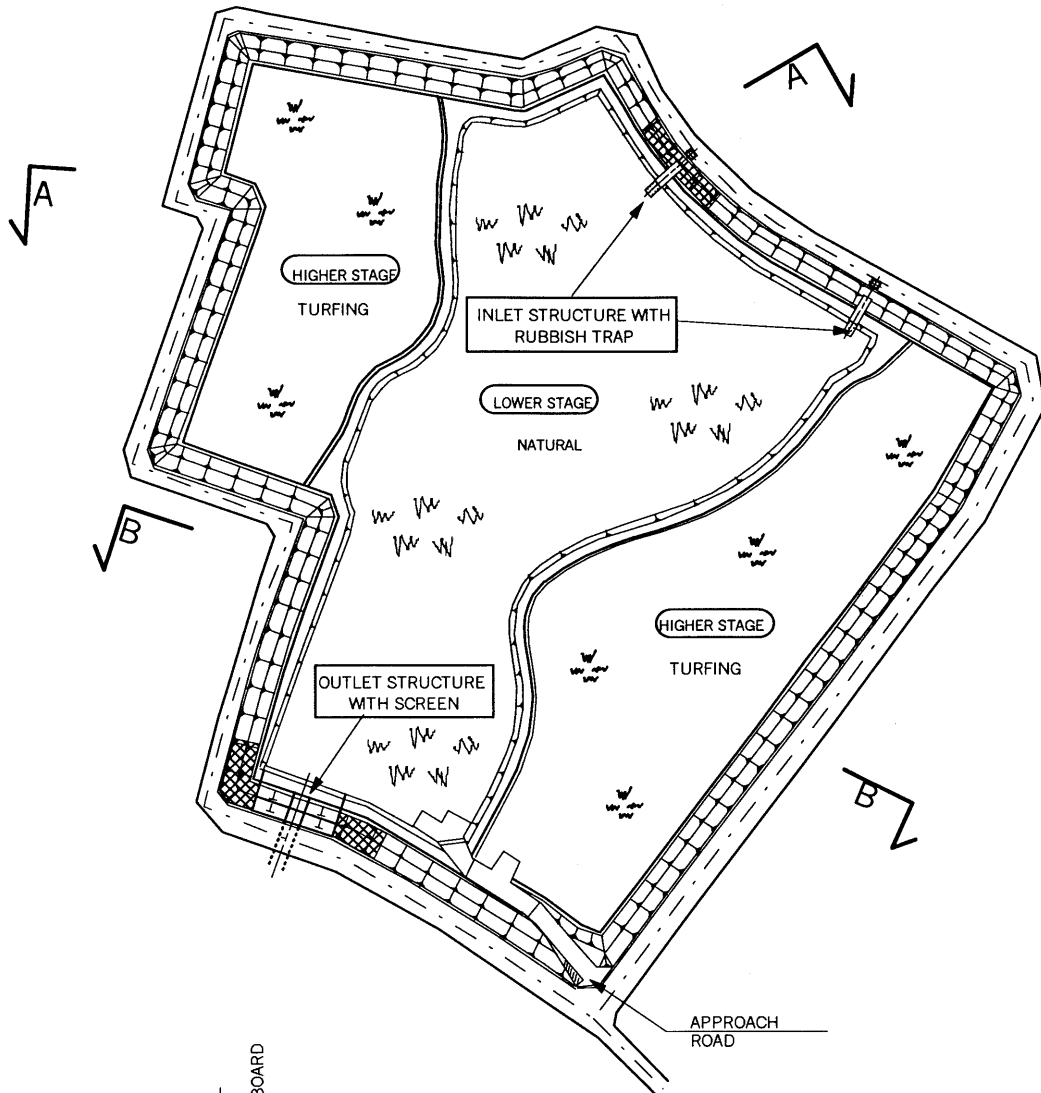
**PLAN OF DETENTION POND**



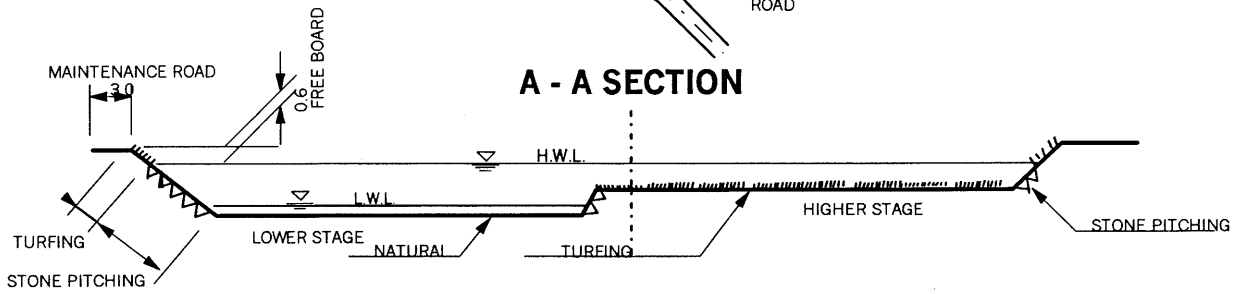
THE STUDY ON  
 INTEGRATED URBAN DRAINAGE IMPROVEMENT  
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**Fig. VI-4 (2/4)**  
**Typical Plans of Detention Pond**  
**(Non-community/Slope-Protection/Dry)**

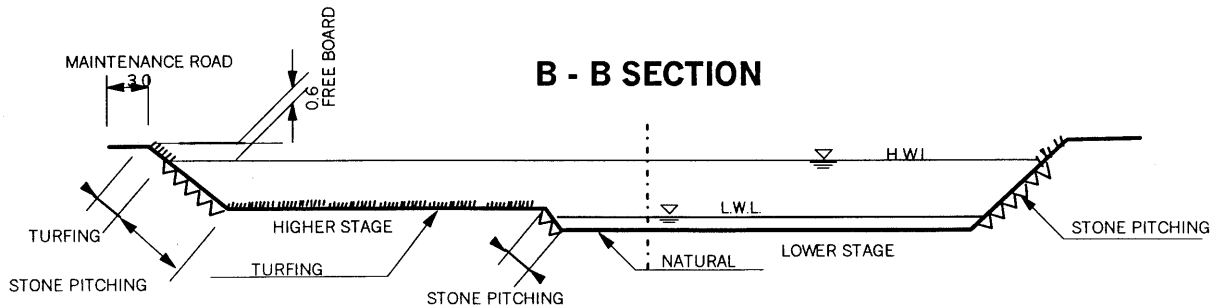
**PLAN OF DETENTION POND**



**A - A SECTION**



**B - B SECTION**

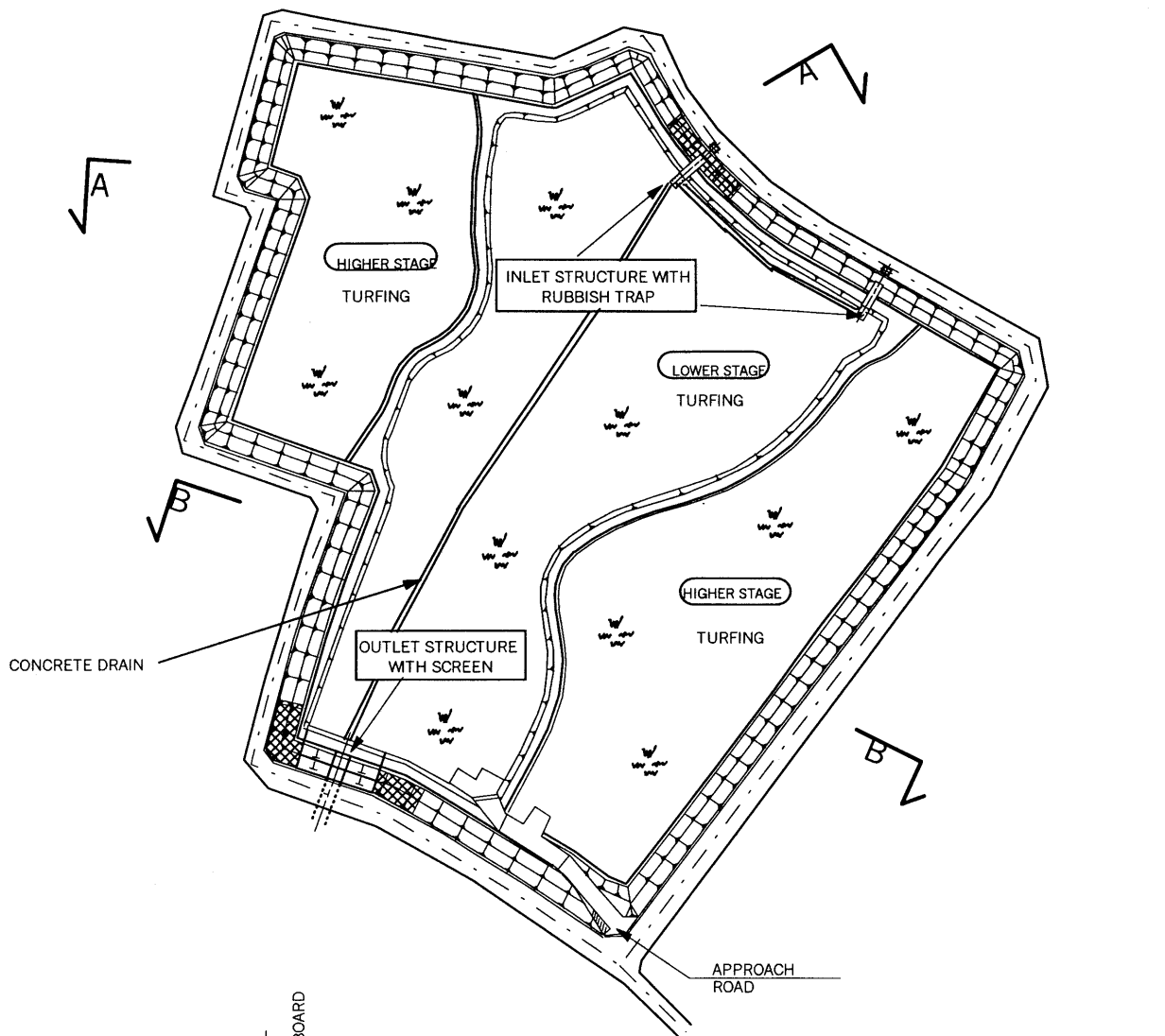


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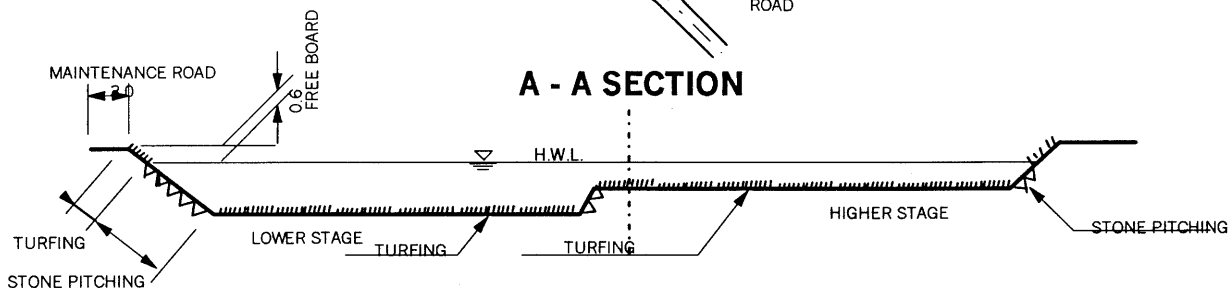
**Fig. VI-4 (3/4)**  
**Typical Plans of Detention Pond**  
**(Community/Slope-Protection/Wet)**



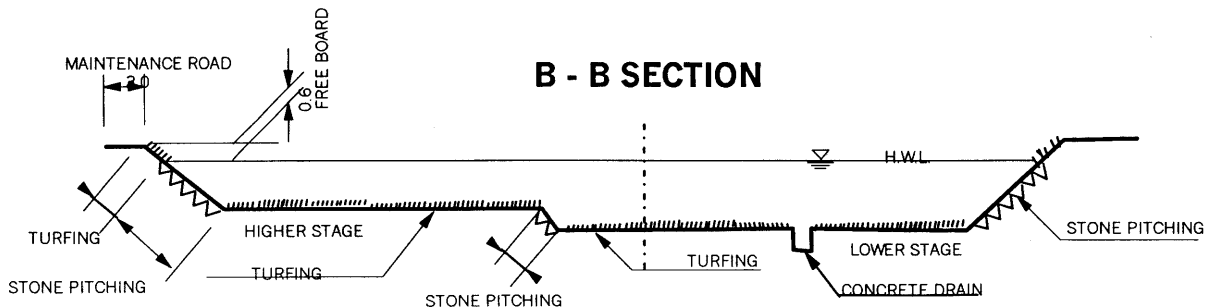
# PLAN OF DETENTION POND



## A - A SECTION



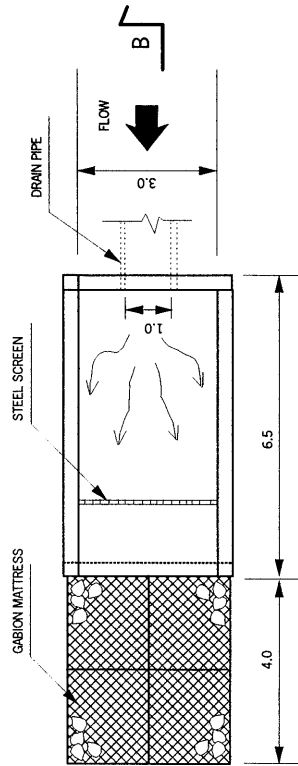
## B - B SECTION



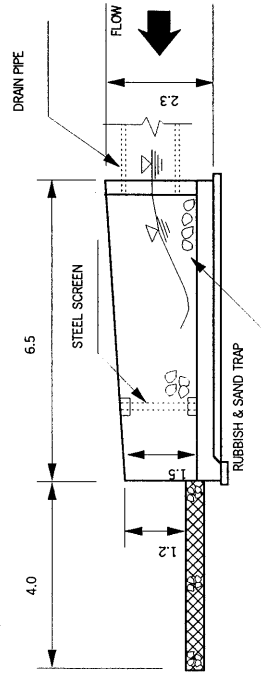
THE STUDY ON  
 INTEGRATED URBAN DRAINAGE IMPROVEMENT  
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 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. VI-4 (4/4)  
 Typical Plans of Detention Pond  
 (Community/Slope-Protection/Dry)

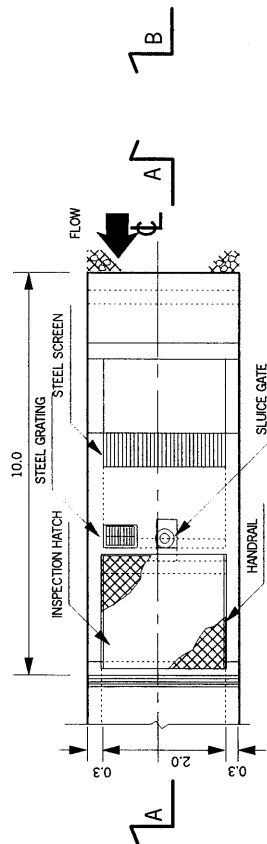
**PLAN OF INLET STRUCTURE**



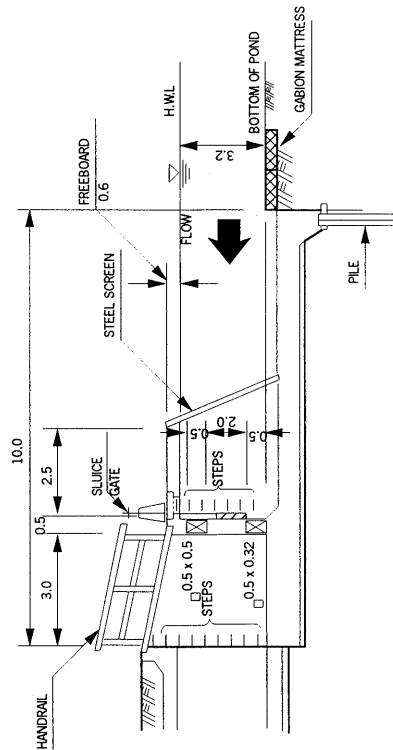
**B - B SECTION**



**PLAN OF OUTLET STRUCTURE**



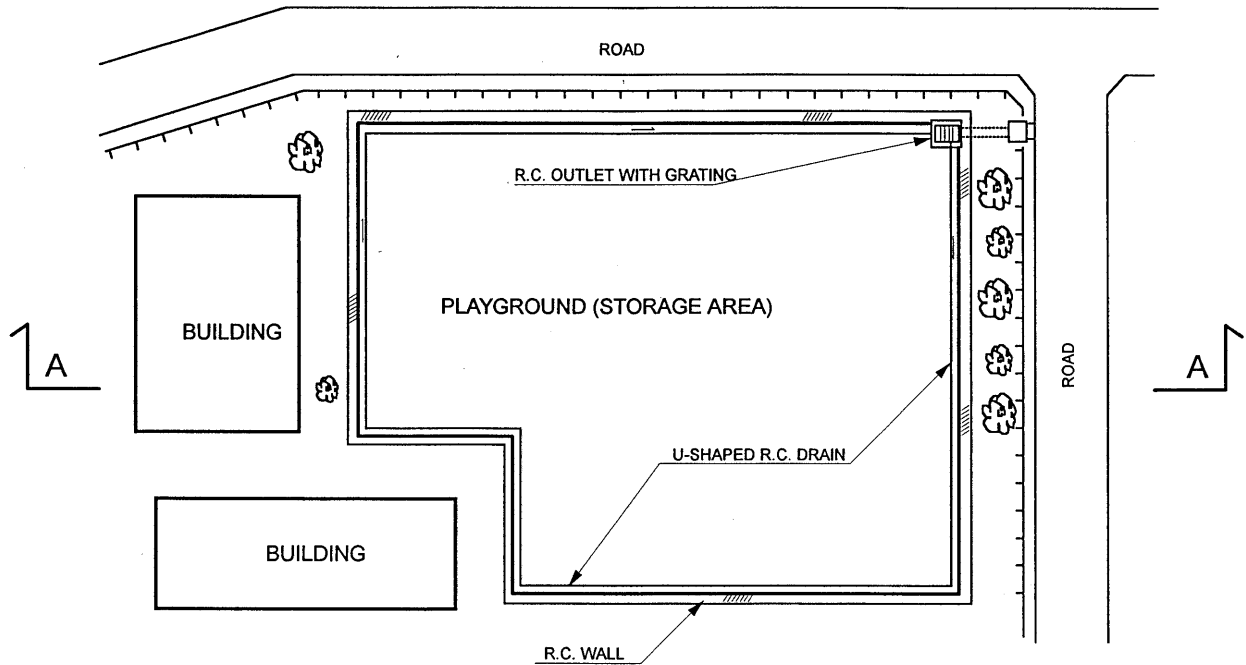
**A - A SECTION**



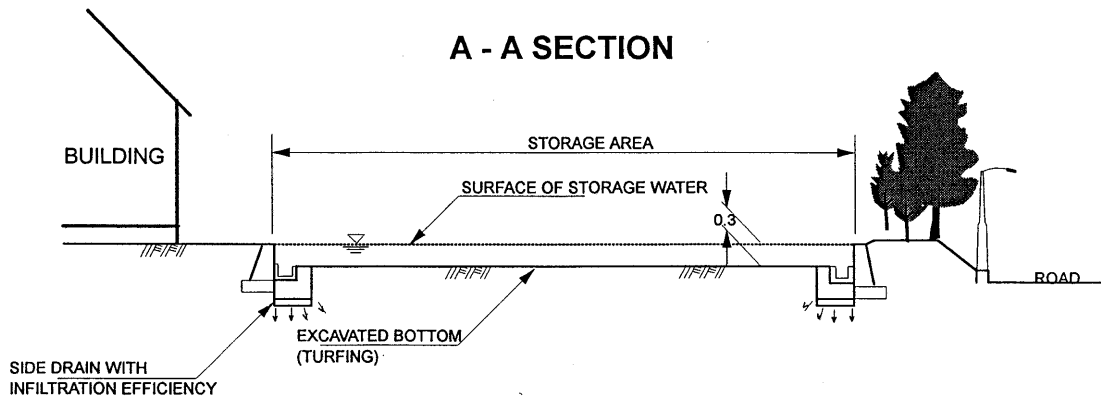
THE STUDY ON  
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 FOR MELAKA AND SUNGAI PETANI IN MALAYSIA  
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**Fig. VI-5**  
**Typical In/Outlets Structure for Detention**  
**Pond**

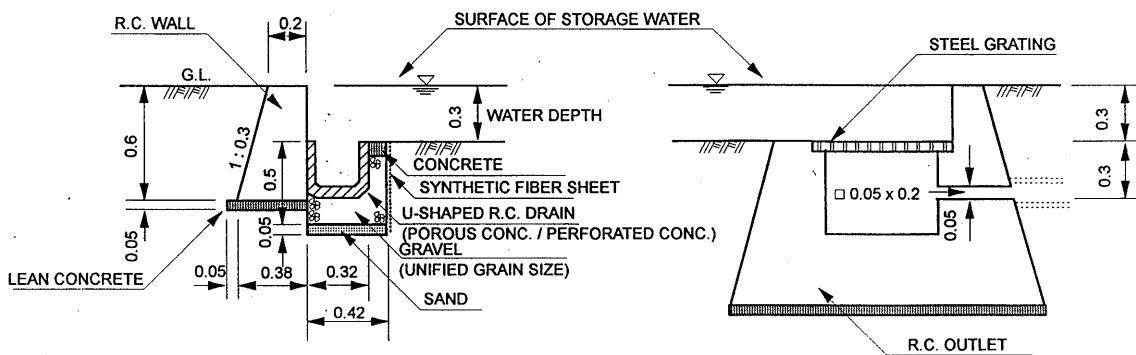
# PLAN OF STORAGE IN PUBLIC SPACE



## A - A SECTION

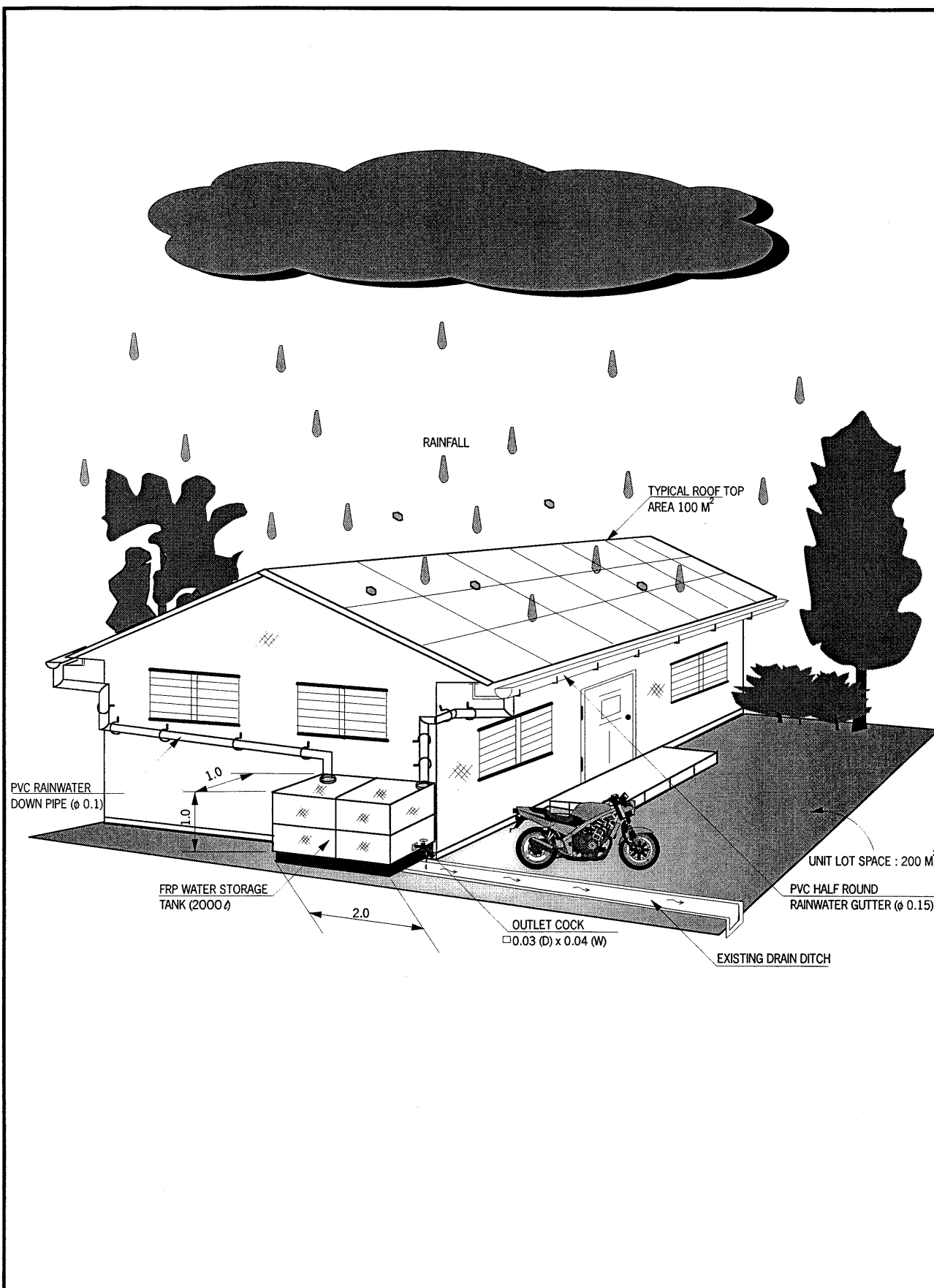


## TYPICAL SECTION OF R.C. WALL W / DRAIN AND R.C. OUTLET



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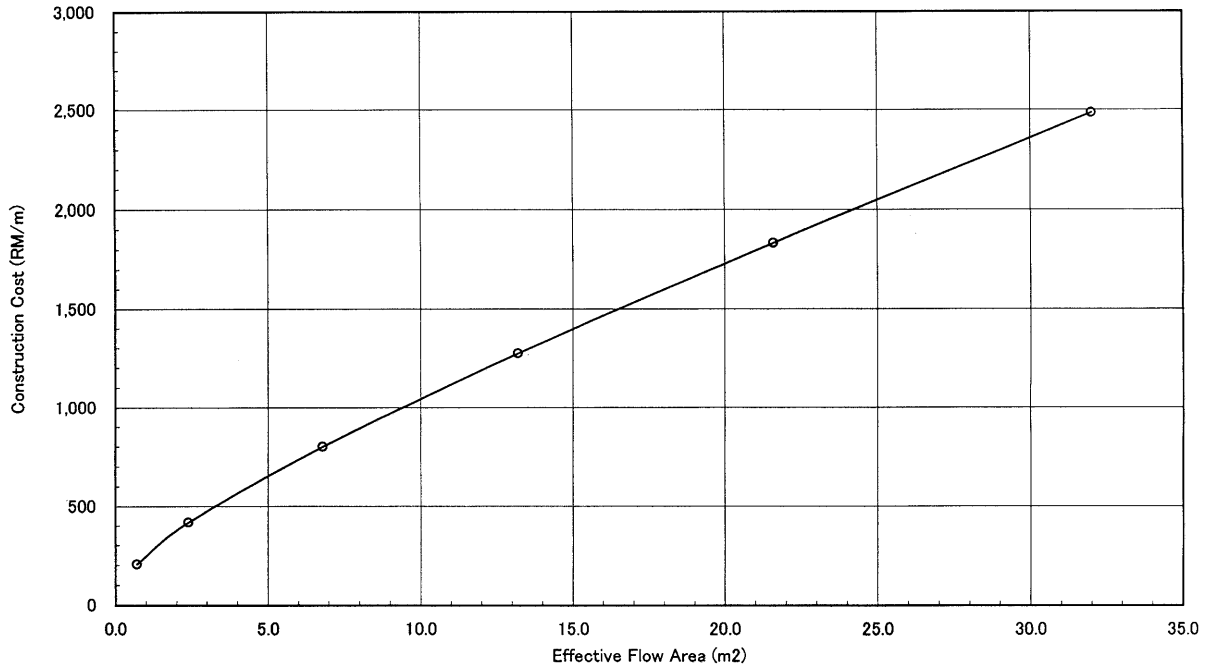
Fig. VI-6  
 Typical Plan of Storage Facility  
 in Public Open Space



THE STUDY ON  
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 FOR MELAKA AND SUNGAI PETANI IN MALAYSIA  
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**Fig. VI-7**  
**Typical Plan of Storage Tank in**  
**House Lot**

Unit Construction Cost of R.C. Drainage Channel



Unit Construction Cost of Undepass Structure (Box Culvert & Bridge)

