

N

SCALE 1 : 200  
FORMAT A2

**TOPOGRAPHIC MAP**  
SITUATION SELINCING

**LEGEND :**

Point, Spot	Contour Interval	Traverse Line
Open Beam	Contour Interval	Old Universal Traverse Line
Open National	Contour Interval	Old Universal
Open Local	Contour Interval	Old Universal
Open Local	Contour Interval	Old Universal
Open Local	Contour Interval	Old Universal
Open Local	Contour Interval	Old Universal

**JICA**  
Japan International Cooperation Agency

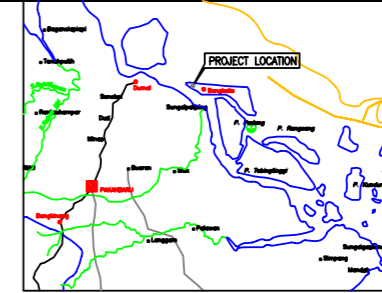
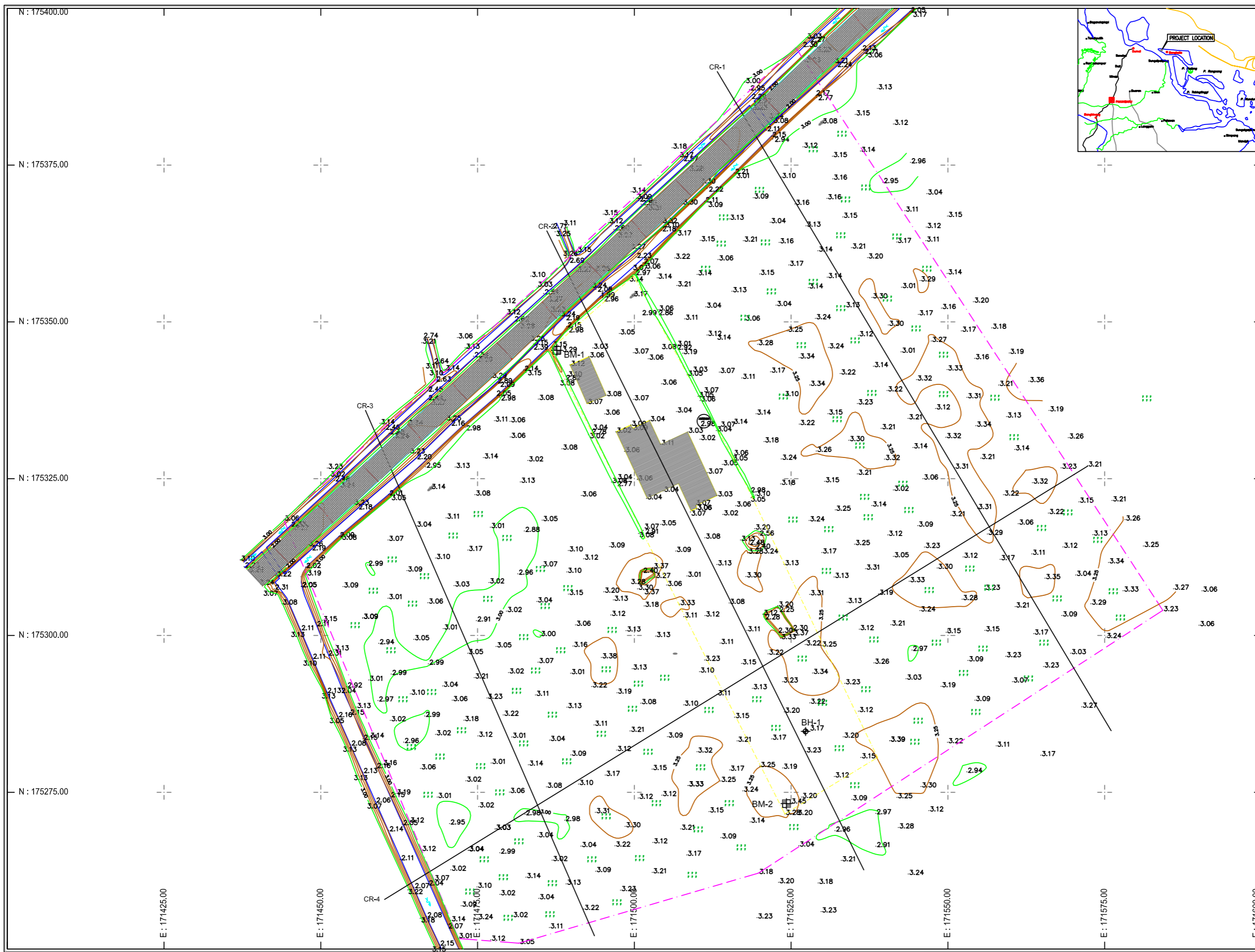
**ORCONSUL**

**SPN**

**TOPOGRAPHIC MAP**  
For  
**The Basic Design Survey On The  
Project For Development Of Veisel Traffic Service  
In Malaka and Singapore Straits**

PACKAGE	CONTRACTOR		CONSULTANT	
	CHECK	APPROVED	CHECK	APPROVED
SIGNATURE				
DATE				
SIGNATURE				
DATE				

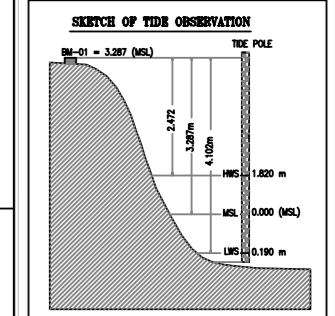
**PT. RAYA SURVERINDO** TIRTASARANA  
 SURVEY, MAPPING, ENGINEERING, CONSULTING  
 JL. TUBACUS ISMAIL VIII NO. 27 BANDUNG  
 PHONE 022-2504343, FAX 022-2532988



**LEGEND**

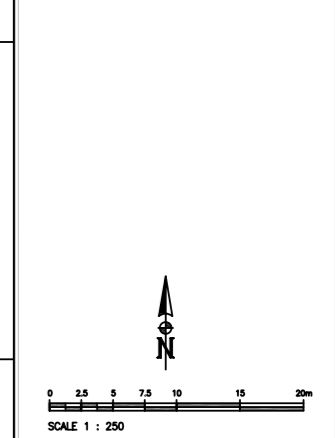
- BENCH MARK
- BORE HOLE
- ROAD
- DITCH
- CONTOUR INTERVAL 0.25 m
- HOUSE
- ELECTRIC POLE
- RUBBER TREES
- CULVERT
- SITE BOUNDARY
- SURVEYED BOUNDARY

**NOTE :**  
 - REFERENCE COORDINATE FROM BM-1  
 - REFERENCE ELEVATION (MSL) FROM TIDAL GAUGE



**LIST OF COORDINATES BENCH MARK**

No.	COORDINATE		ELEVATION Z (m) MSL
	E (m)	N (m)	
BM-01	171487.634	175345.472	+ 3.287
BM-02	171524.256	175273.200	+ 3.450



CLIENT : JV ORICONSUL & JANA

CONSULTANT : PT. SOILENS

PROJECT : TOPOGRAPHY FOR ADDITIONAL REPRATER STATION AT SIMPANG AYAM - BENGKALIS ISLAND

DRAWING TITLE : TOPOGRAPHIC MAP

SCALE : GRAPHIC

DRAWN : ASEP SUPARDI

SURVEYED : AGUS PURWANTO

CHECKED : APPROVED

AKHMARUDIN IR. IMAN MULYANA

DRAWING NO. : TP/249/SM/2009/MP.00 DATE : APRIL - 2009

WORK NO. : PRINTED DATE : APRIL - 2009

FILE : D:\DATA\BENGKALIS\TOPOGRAPHY\DWG SHEET 1/1

S168.880

S168.830

S168.780

S168.730

S168.680

S168.630

E214.450

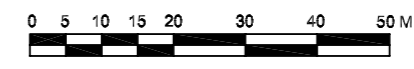
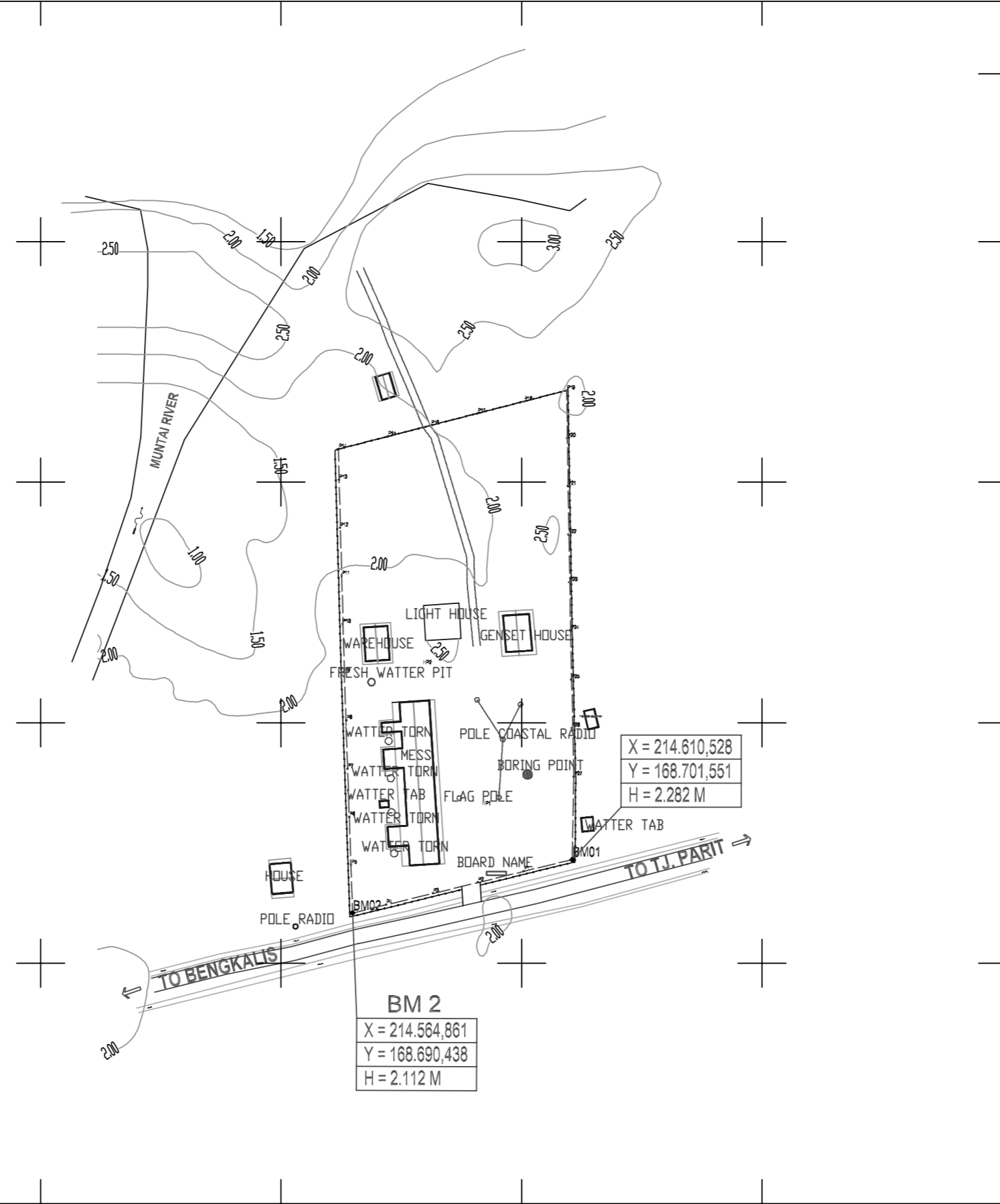
E214.500

E214.550

E214.600

E214.650

E214.700



GRAPHIC SCALE

Proyeksi : Transvers Mercator  
 Gridding Sistem : Grid Universal Transvers Mercator  
 Datum Horizontal : WGS 84  
 Datum Vertikal : Tidal Observation  
 levelling : Meter  
 Contour interval : 0.5 Meter

CLIENT :



CONSULTANT :



PROJECT :

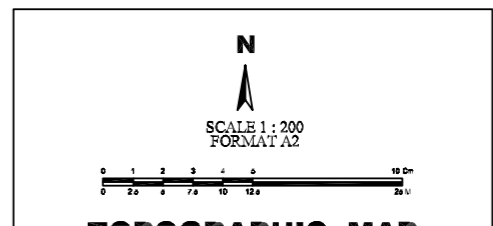
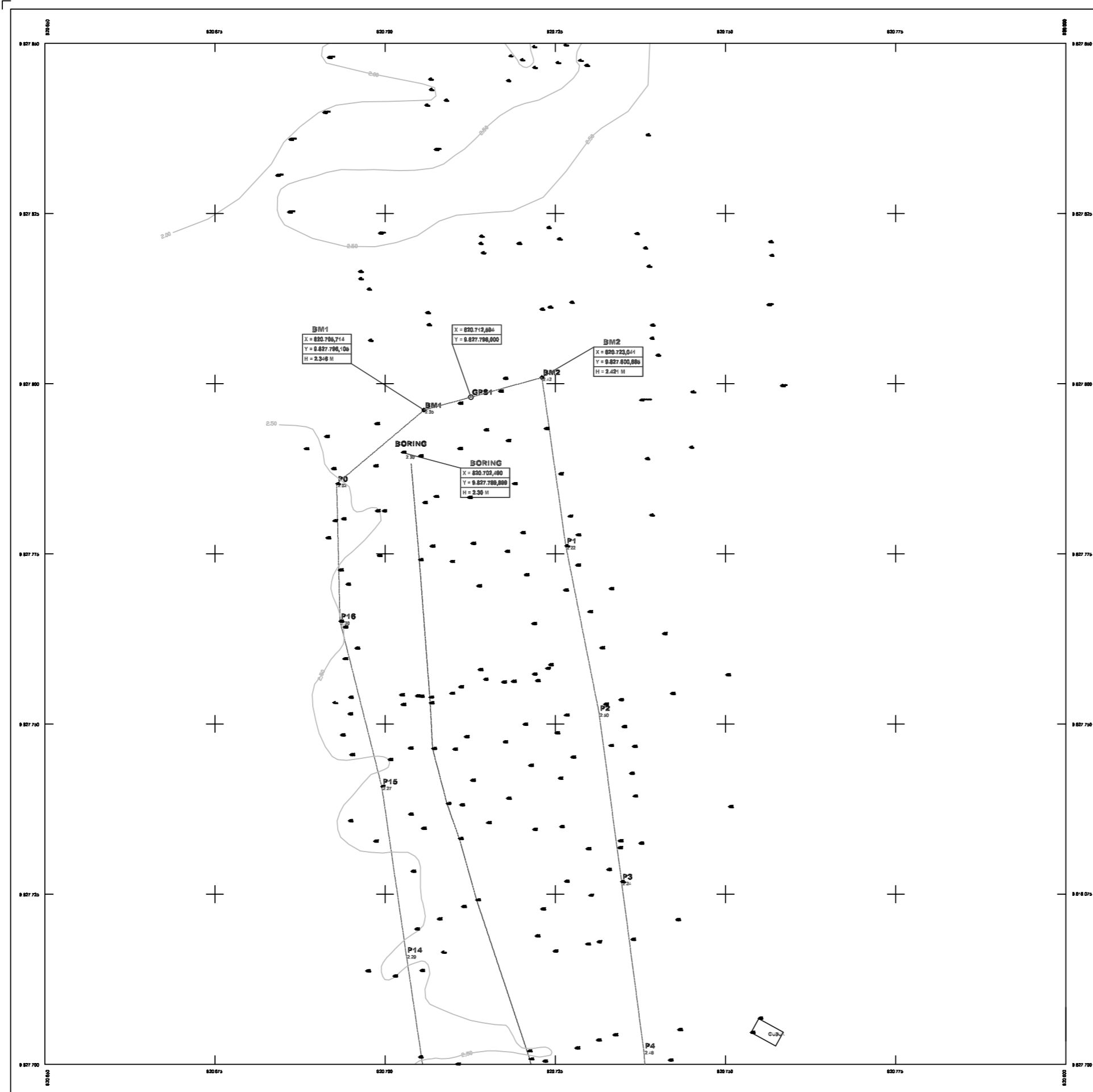
**TOPOGRAPHIC MAP**  
 For  
**The Basic Design Survey On The**  
**Project For Development Of Vessel Traffic**  
**Service In Malaka and Singapore Straits**

DRAWING TITLE :

**TOPOGRAPHIC MAP**  
 AT T.J. PARIT LIGHT HOUSE

SCALE	: 1 : 1.000
DRAWN	: SUHARTO
SURVEYED	: RASDI
CHEKED	: SURANTO
APPROVED	: BAMBANG IRAWAN

DRAWING NO.	DATE
WORK NO.	PRINTED DATE :
FILE	SHEET
TJ_PARIT_A3.DWG	1 / 1



**TOPOGRAPHIC MAP**  
SITUATION SEPAHAT\_A

Projection	UTM	Transverse Mercator
Griding System	World Geodetic System 1984	World Geodetic System 1984
Datum Horizontal	WGS 84	World Geodetic System 1984
Datum Vertical	Mean Sea Level	Mean Sea Level
Heighting	Orthometric	Orthometric
Horizontal Error	± 0.10 m	± 0.10 m

**LEGEND :**

Point, Bench	Road, Asphalt
Point, Bench	Road, Stone
Contour, Tree	Other
Rubber, Concrete	Bridge
Bottom	Contour, Marshy Contour
Leveling Point, Electric pole	Point, Height, Road
Bench Mark, Measuring Point	Water, Dg
Coastline	Sand, Sand Dune
River	
Canyon	
Intersect, Water	
Source of Water, Dam	
Harbour, Port	

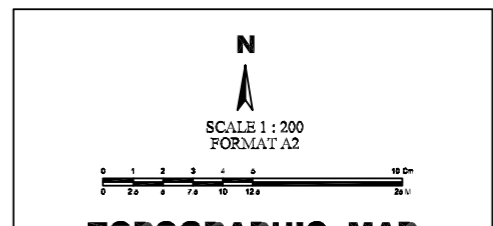
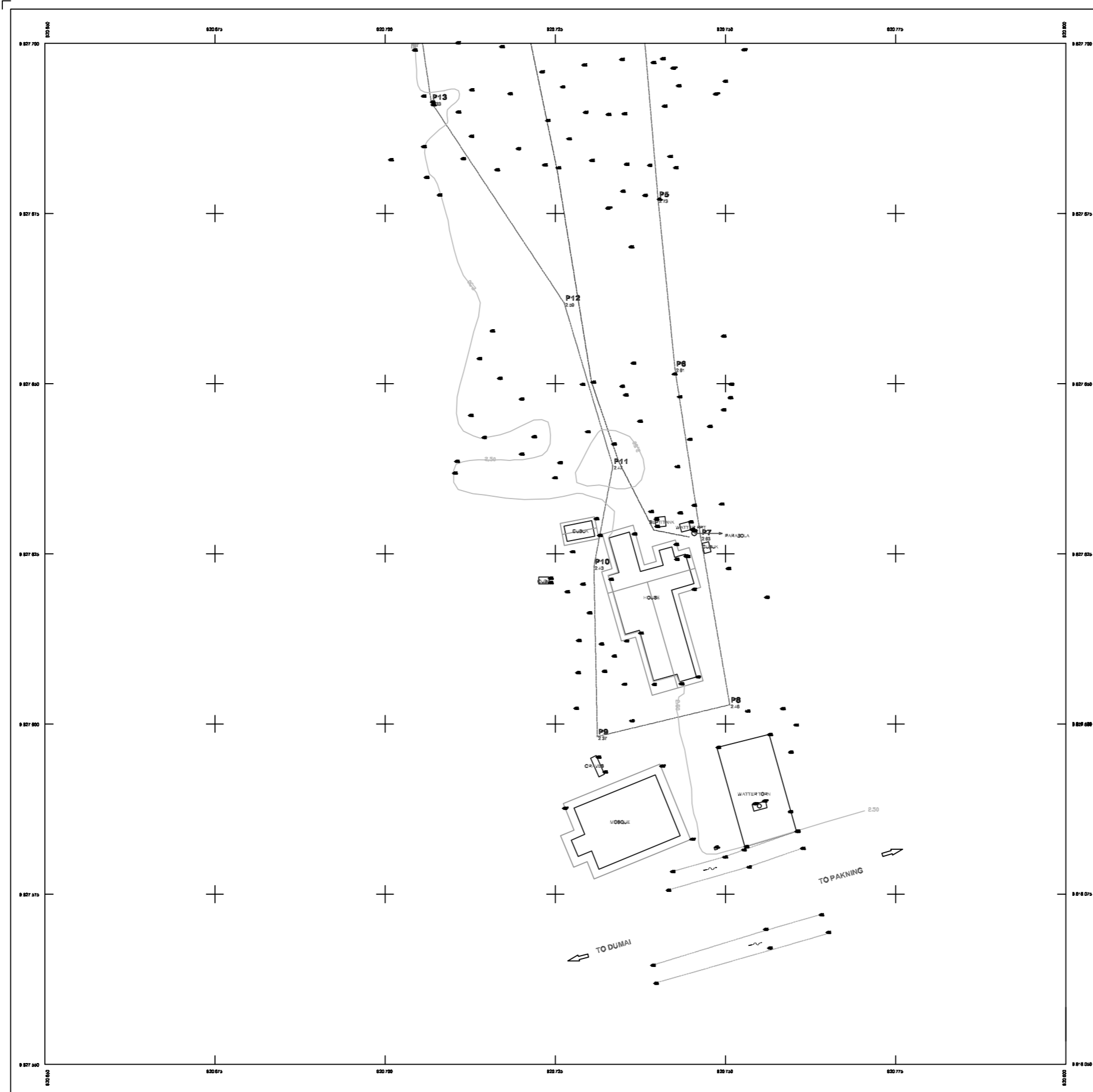


**TOPOGRAPHIC MAP**  
For  
The Basic Design Survey On The  
Project For Development Of Veisel Traffic  
Service In Malaka and Singapore Straits

PACKAGE	CONTRACTOR		CONSULTANT	
	CHECK	APPROVED	CHECK	APPROVED
SIGNATURE				
DATE				
SIGNATURE				
DATE				



N



## TOPOGRAPHIC MAP SITUATION SEPAHAT\_B

Projection	UTM	Transverse Mercator
Griding System	Universal Transverse Mercator	
Datum Horizontal	WGS 84	
Datum Vertical	Mean Sea Level	
Heighting	Mean Sea Level	
Horizontal Control	GPS	

### LEGEND :

Point, Bench	Road, Asphalt
Well, Blah	Road, Stone
Canal, Tree	Road, Other
Rubber, Coconut	Bridge
Dam	Contour, Interval Contour
Leveling Point, Bench mark, Heighting Point	Spot Height, Road
Contour	Water, Dg
River	Sand, Sand Dune
Canyon	
Intersect, Water	
Source of Water, Dam	
Harbour, Port	



### TOPOGRAPHIC MAP For The Basic Design Survey On The Project For Development Of Veisel Traffic Service In Malaka and Singapore Straits

PACKAGE	CONTRACTOR		CONSULTANT	
	CHECK	APPROVED	CHECK	APPROVED
SIGNATURE				
DATE				
SIGNATURE				
DATE				

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