

REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

LEGEND	
	BATHYMETRIC & TOPOGRAPHIC
	Indicate Level above Land Survey Datum (Mean Sea Level)
	Indicate Scaled Level below Land Survey Datum (Mean Sea Level)
	Contour Lines in 1m interval
	Existing Submarine Cable
	Reburied Submarine Cable
	Proposed Submarine Cable
	HDPE of HDD Route
	Cement Bag Route
	Cast Iron Route
	Existing Kilometer Post indicating distance from Ko Sichang BMH
	Universal Transverse Mercator UTM
	After Course & Event
	Mangrove Area
	Rock Area
	Current Mooring Location
	Bathymetric contours in metres reduced to Mean Sea Level (MSL) abstracted from client drawing

- GENERAL NOTES**
1. Surface Positioning by SeaSTAR DGPS
  2. Coastline details are indicative only.
  3. All measurements are in metres.
  4. Depth are referenced to Mean Sea Level (MSL).
  5. Bathymetric contours are based on PHS & Full Sensor and Owners Report.
  6. HDD Profile are approximate only (for detail please refer to HDD Contractor)
  7. Equipment used:
    - i) SeaSTAR DGPS
    - ii) TSS Hydrobot Surveyor Gun Compass
    - iii) HYDROORA Navigation Software Ver. 2.3
    - iv) PHS & Full Sensor

**GEODETIC PARAMETERS**

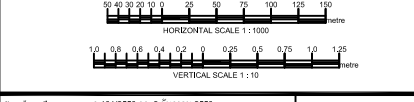
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1952	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Longitude	: 0° 00'00.000\"/>
Semi-Minor Axis (b)	: 6 356 976.415 m	Central Latitude	: 0° 00'00.000\"/>
Eccentricity Squared	: 0.006 699 998 857	False Northing	: 0.000 m
Reduction Factor	: 0.999 999 725 402	False Easting	: 500 000.000 m
Scale Factor	: 0.999 999 725 402		

SUBMARINE CABLE INSTALLER:

**INTERLINK COMMUNICATION PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road, Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.Interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY (PEA)**  
 200 Ngam Wong Wan Road, Chatuchak Bangkok 10310, Thailand  
 Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
 Website : www.pea.co.th

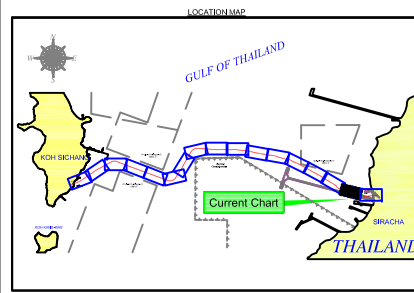
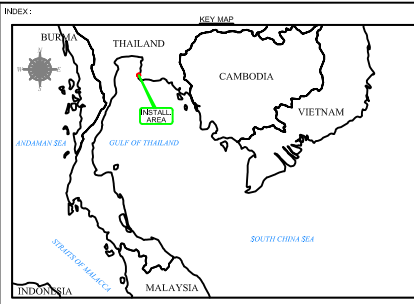
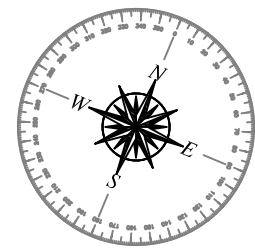
**22KV SUBMARINE POWER CABLE INSTALLATION WORKS FROM SIRACHA TO KOH SICHANG THAILAND.**



Project No.	1.1312553 03.2 01/1984 2553		
Project Name	22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG		
Client	SIRACHA TO KOH SICHANG		
Drawing Title	22KV SUBMARINE CABLE GENERAL MSL CHART DETAIL (Mean Sea Level)		
Contractor	INTERLINK CONSORTIUM	Authority	PROVINCIAL ELECTRICITY AUTHORITY
Design and Service	DESIGN AND SERVICE	Asbuilt	DRAWING
Checked		Reviewed	
Approved		Approved	
Design	M.L.P. (Signature)	Scale	
Drawn	M.L.P. (Signature)	Date	
Checked	M.L.P. (Signature)	Sheet No.	
Date	14.05.2011	Scale	1:1000
Sheet No.	18/64	Scale	1:10
Date	14.05.2011	Scale	1:10

GENERAL MSL. CHART DETAIL (Mean Sea Level)

KP 8.300 - KP 9.000



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**BATHYMETRY & TOPOGRAPHY**

- Indicate Level above Land Survey Datum (Mean Sea Level)
- Indicate Scaled level below Land Survey Datum (Mean Sea Level)
- Contour Lines in 1m interval
- Existing Submarine Cable
- Reburied Submarine Cable
- Propose Submarine Cable
- Existing Kilometer Post indicating distance from Koh Sichang BMH
- Universal Transverse Mercator UTM
- After Course & Event
- Mangrove Area
- Rock Area
- Current Metering Location
- Bathymetric contours in metres reduced to Mean Sea Level (MSL) abstracted from client drawing
- HOPE of HDD Route
- Canal Bay Route
- Cost Iron Route
- Proposed Borehole Location
- Submarine Navigation Buoy
- Navigation Buoy

- GENERAL NOTES**
- Surface Positioning by SeaSTAR DGPS
  - Coordinate details are indicative only.
  - All measurements are in metres.
  - Depth are referenced to Mean Sea Level (MSL).
  - Soil depth was based on Pile & Soil Survey and Others Report.
  - HDD Profile are approximate only (for detail please refer to HDD Contractor)
  - Equipment used:
    - SeaSTAR DGPS
    - TSS Hydroline Surveyor Gun Compass
    - HYDROORA Navigation Software Ver. 2.3
    - Pitch & Roll Sensor

**GEODETIC PARAMETERS**

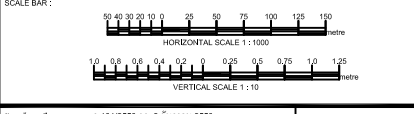
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Longitude	: 0° 00'00.000" E
Semi-Minor Axis (b)	: 6 356 878.415 m	Central Latitude	: 0° 00'00.000" E
Eccentricity Squared	: 0.006 699 998 857	False Northing	: 0.000 m
Reduction Factor	: 0.999 617 255 402	False Easting	: 500 000.000 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

**INTERLINK COMMUNICATION PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.Interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY (PEA)**  
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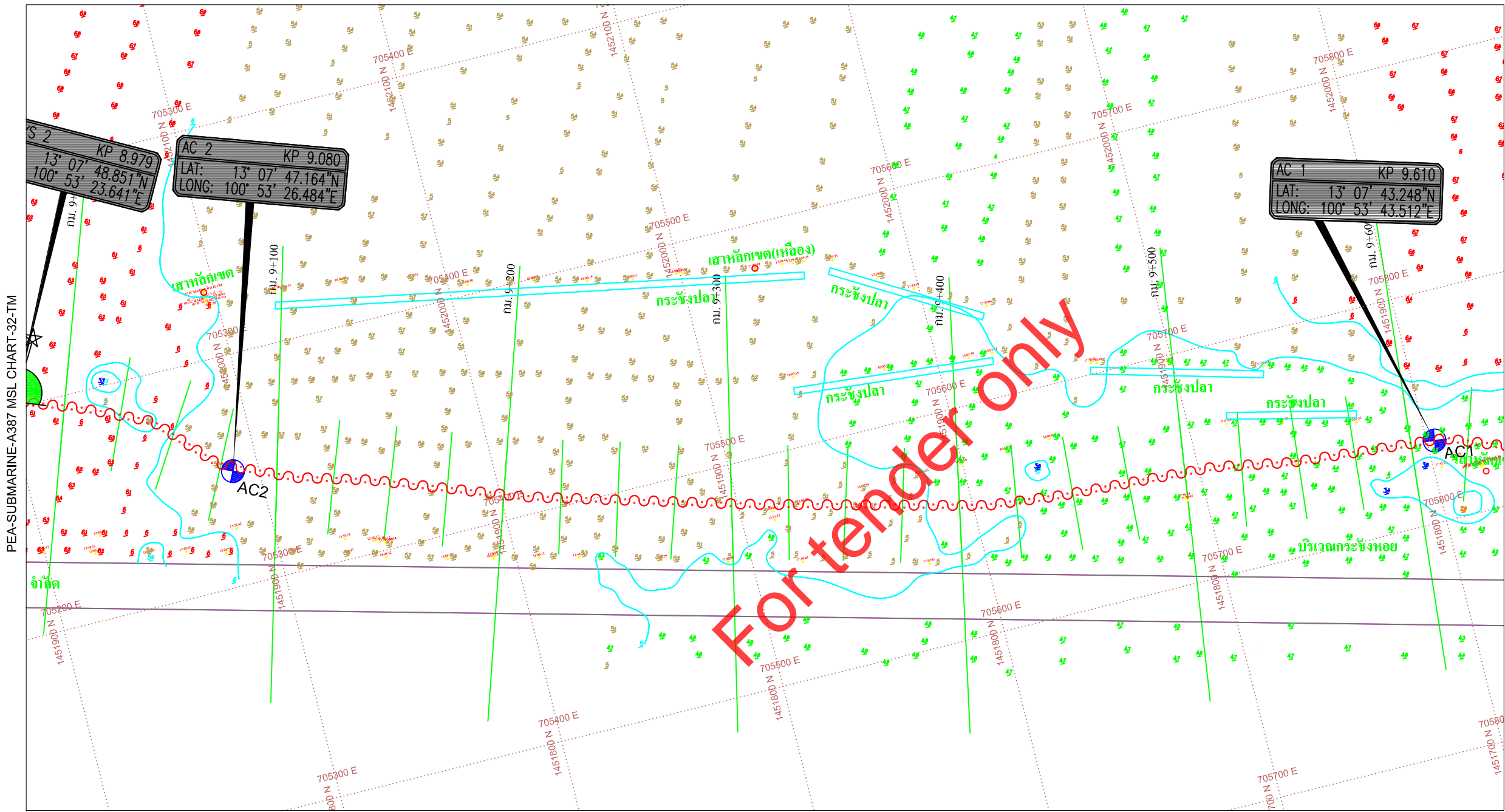
**22kV SUBMARINE POWER CABLE INSTALLATION WORKS FROM SIRACHA TO KOH SICHANG THAILAND.**



Project No. 1.1312553 03.2 01/1984 2553  
 22kV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG

Drawing Title: 22kV SUBMARINE CABLE GENERAL MSL CHART DETAIL (Mean Sea Level)

CONTRACTOR	CHECKED	REVIEWED	APPROVED
DESIGN	MLP/ST/ST/ST		
DRAWN	MLP/ST/ST/ST		
CHECKED	MLP/ST/ST/ST		
DATE	24.25.2011	SHEET NO. 1984	DRAWING NO. 1984

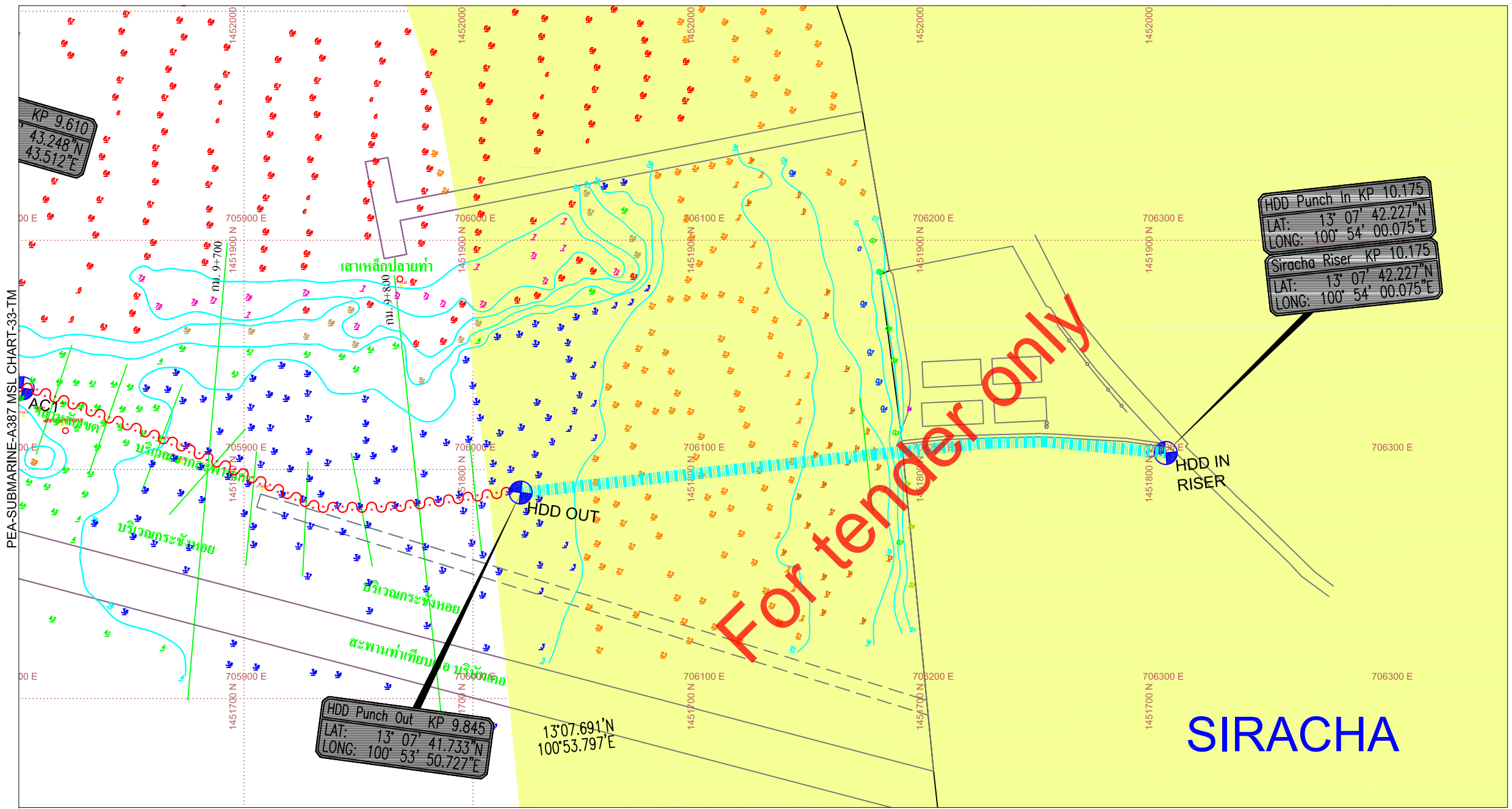
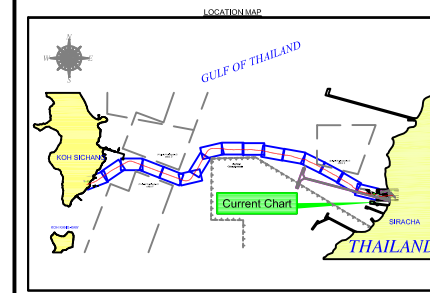
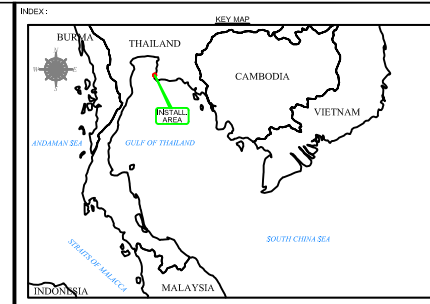
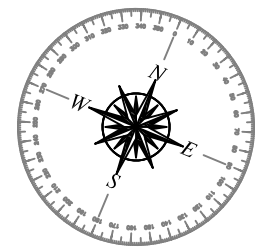


PEA-SUBMARINE-A387 MSL CHART-32-TM

PEA-SUBMARINE-A387 MSL CHART-34-TM

GENERAL MSL. CHART DETAIL (Mean Sea Level)

KP 9.000 - KP 9.625



HDD Punch In KP 10.175  
 LAT: 13° 07' 42.227"N  
 LONG: 100° 54' 00.075"E

Siracha Riser KP 10.175  
 LAT: 13° 07' 42.227"N  
 LONG: 100° 54' 00.075"E

HDD Punch Out KP 9.845  
 LAT: 13° 07' 41.733"N  
 LONG: 100° 53' 50.727"E

13°07.691'N  
 100°53.797'E

SIRACHA

GENERAL MSL. CHART DETAIL (Mean Sea Level)

KP 9.625 - KP 10.175

REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**BATHYMETRIC & TOPOGRAPHIC**

- Indicate Level above Land Survey Datum (Mean Sea Level)
- Indicate Scaled level below Land Survey Datum (Mean Sea Level)
- Contour Lines in 1m interval
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- HOPE OF HDD Route
- Current Bay Route
- Cost Iron Route
- Existing Kilometer Post indicating distance from Ko Sichang BMH
- Universal Transverse Mercator UTM
- After Course & Event
- Mangrove Area
- Rock Area
- Current Metering Location
- Bathymetric contours in metres reduced to Mean Sea Level (MSL) abstracted from client drawing

- GENERAL NOTES**
- Surface Positioning by SeaSTAR DGPS
  - Coordinate details are indicative only.
  - All measurements are in metres.
  - Depth are referenced to Mean Sea Level (MSL).
  - Soundings were based on PPS & Full Sensor and Oders Report.
  - HDD Profile are approximate only (for detail please refer to HDD Contractor)
  - Equipment used:
    - SeaSTAR DGPS
    - TSS Hydro Surveyor Gyro Compass
    - HYDRODORS Navigation Software Ver. 2.3
    - Plot & Plot Sensor

**GEODETIC PARAMETERS**

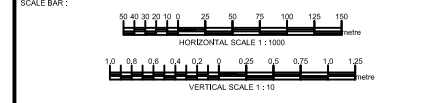
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Longitude	: 0° 00'00.000" E
Semi-Minor Axis (b)	: 6 356 976.415 m	Central Latitude	: 18° 00'00.000" E
Eccentricity Squared	: 0.006 699 268 857	False Northing	: 0.000 m
Reduction Factor	: 0.9996	False Easting	: 500 000.000 m

**SUBMARINE CABLE INSTALLER:**

**INTERLINK COMMUNICATION PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY (PEA)**  
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 Website : www.pea.co.th

**22kV SUBMARINE POWER CABLE INSTALLATION WORKS FROM SIRACHA TO KOH SICHANG THAILAND.**



Project No. 1.1312553 03.2 01/1989 2553

ชื่อโครงการ: SIRACHA TO KOH SICHANG

ชื่อสัญญา: 22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG

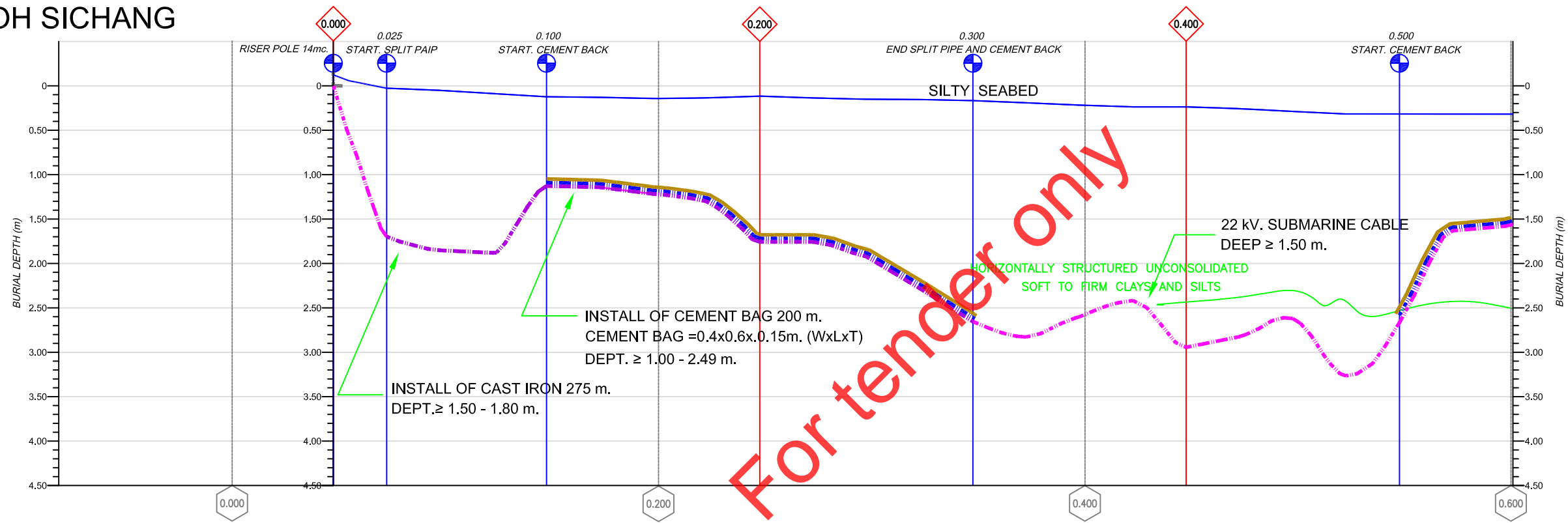
ชื่อแบบร่าง: GENERAL MSL. CHART DETAIL (Mean Sea Level)

DESIGN	MLT/ST/PP/PL	DATE	14/05/2011
DRAWN	MLT/ST/PP/PL	DATE	14/05/2011
CHECKED	MLT/ST/PP/PL	DATE	14/05/2011

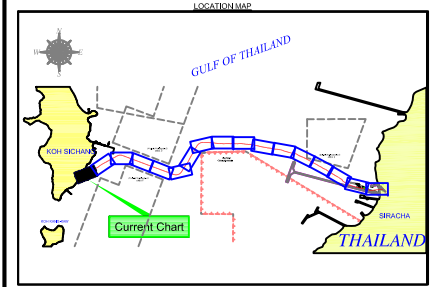
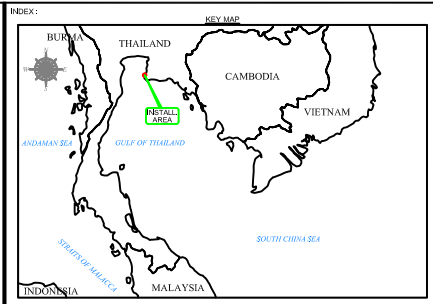
CONTRACTOR	CHECKED	REVIEWED	APPROVED
DESIGN AND SERVICE			

DATE: 14/05/2011

# KOH SICHANG



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
 KP 0.000 - KP 0.550



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- Kilometer Post
- Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Cassine details are indicative only.
3. All measurements are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on PHS & SBL Sonar and Divers Report.
6. HDD Profile are approximate only (for detail please refer to HDD Contractor)
7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Seafloor Sonar/Range Finder
  - iii) HYDRODORA Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETTIC PARAMETERS**

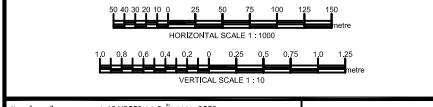
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.000" N
Semi-Minor Axis (b)	: 6 356 576.415 m	Central Longitude	: 101° 00'00.000" E
Eccentricity Squared	: 0.006 699 998 857	False Northing	: 0.00 m
Reduction Factor	: 200 000 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

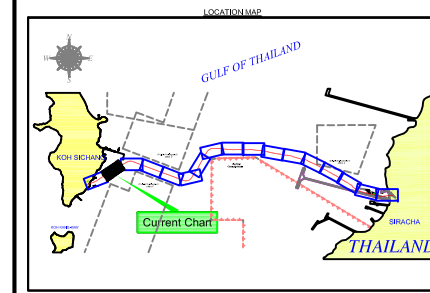
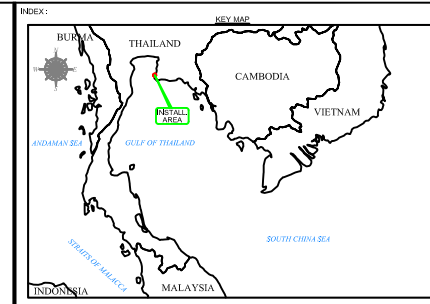
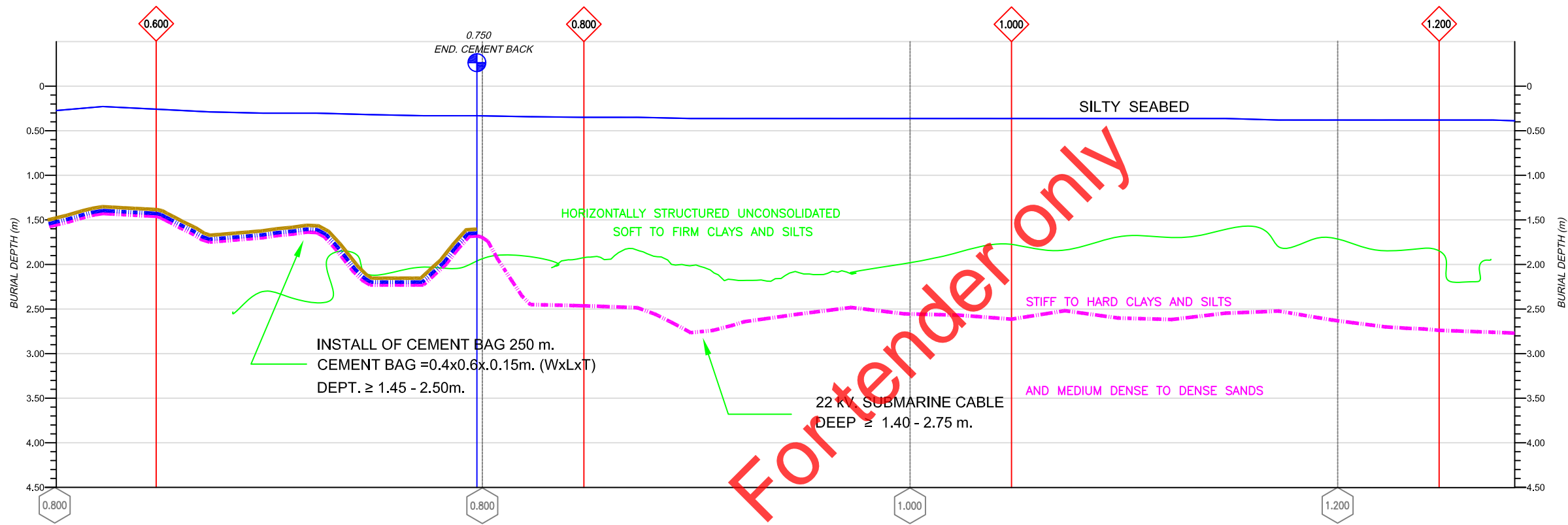
**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY**  
**(PEA)**  
 200 Ngam Wong Wan Road, Chatuchak  
 Bangkok 10310, Thailand  
 Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
 Website : www.pea.co.th

**22KV SUBMARINE POWER CABLE  
 INSTALLATION WORKS  
 FROM SIRACHA TO KOH SICHANG  
 THAILAND.**



Project No. 1-1312553 012 01/19/01 2053		
22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG		
SIRACHA TO KOH SICHANG		
DRAWING TITLE 22KV SUBMARINE CABLE DEPT. PROFILE		
CONTRACTOR INTERLINK CONSORTIUM		DESIGN AND SERVICE
PROVINCIAL ELECTRICITY AUTHORITY		
DESIGN MILKAPORN	CHECKED SEIN	REVIEWED 
DRAWN MILKAPORN	NAME 	APPROVED 
CHECKED MILKAPORN	DATE 	
DATE 14/05/2011	SHEET NO. 2/64	DRAWING NO. HPS



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEPT. PROFILE**

- Kilometer Post
- Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast Iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Coastline details are indicative only.
3. All measurements are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on PHS & SBL Sensor and Divers Report.
6. HDD Profile are approximate only (for detail please refer to HDD Contractor)
7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Multibeam Sonar/ Gyro Compass
  - iii) HYDRODORS Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETIC PARAMETERS**

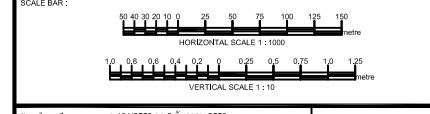
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1830	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.000" N
Semi-Minor Axis (b)	: 6 356 578.545 m	Central Longitude	: 101° 00'00.000" E
Eccentricity Squared	: 0.006 699 988 857	False Northing	: 0.00 m
Reduction Factor	: 300.801 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

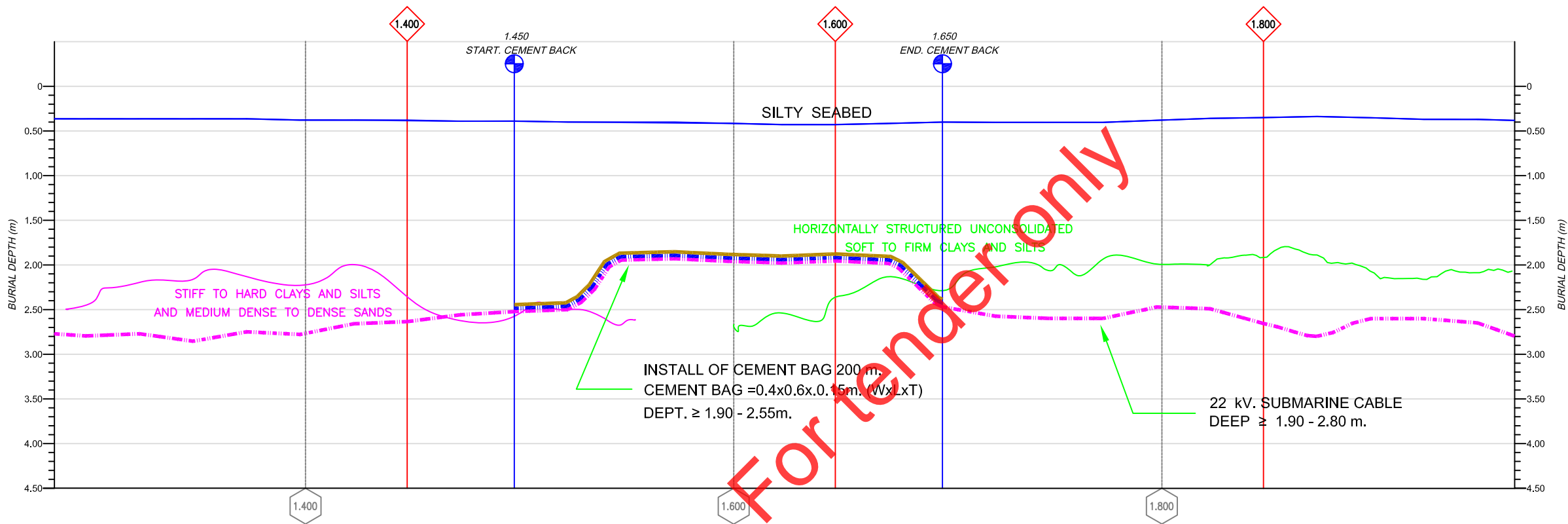
**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
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 Website : www.Interlink.co.th

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 Website : www.pea.co.th

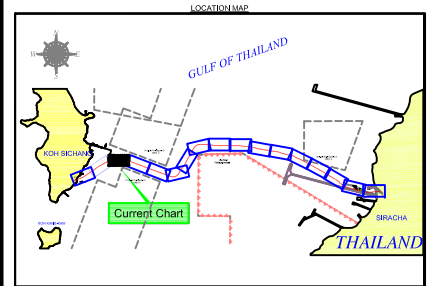
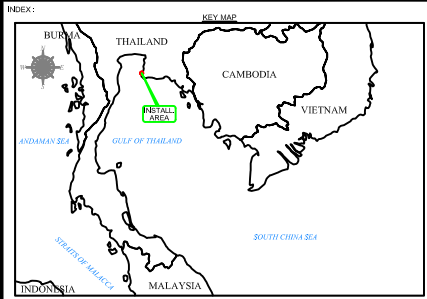
**22KV SUBMARINE POWER CABLE**  
**INSTALLATION WORKS**  
**FROM SIRACHA TO KOH SICHANG**  
**THAILAND.**



Project No. 1-1312553 012 011901 2053		
22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG		
SIRACHA TO KOH SICHANG		
DRAWING TITLE 22KV SUBMARINE CABLE DEPT. PROFILE		
CONTRACTOR INTERLINK CONSORTIUM		DESIGN AND SERVICE
DESIGN	MLT/AT/PT/MLT	DESIGN
DRAWN	MLT/AT/PT/MLT	DRAWING
CHECKED	MLT/THANA	CHECKED
DATE	14/ 25/2011	REVIEWED
		APPROVED
SHEET NO.	2264	SCALE
DATE	14/ 25/2011	DRAWING NO.



BURIAL PROFILE PANEL  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 :10 & 1: 100  
 KP 1.250 - KP 1.925



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

LEGEND	
	Kilometer Post
	Sonar Crossing Point
	Existing Submarine Cable
	Reburial Submarine Cable
	Propose Submarine Cable
	First Subbottom Reflector
	Second Subbottom Reflector
	Third Subbottom Reflector
	HDPE #200mm. PM#8
	Cement Bag
	Cast iron (Protection Shell)
	Alter Course & Event

GENERAL NOTES	
1. Surface Positioning by SeaSTAR DGPS	
2. Caseline details are indicative only.	
3. All measurements are in meters.	
4. Depth are referenced to Mean Sea Level (MSL).	
5. Burial depth was based on PTH & SBL Sensor and Divers Report.	
6. HDD Profile are approximate only (for detail please refer to HDD Contractor)	
7. Equipment used:	
I) SeaSTAR DGPS	
II) TSS Seafloor Sonar/ Gyro Compass	
III) HYDROORA Navigation Software Ver. 2.3	
IV) Pitch & Roll Sensor	

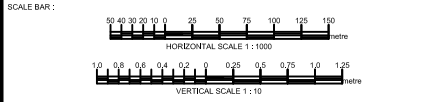
GEODETTIC PARAMETERS			
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Longitude	: 0° 00'00.000" E
Semi-Minor Axis (b)	: 6 356 578.415 m	Central Longitude	: 19° 00'00.000" E
Eccentricity Squared	: 0.006 659 598 857	False Northing	: 0.000 m
Reduction Factor	: 0.999 617 725 402	False Easting	: 500 000.000 m
Scale Factor	: 0.9996		

SUBMARINE CABLE INSTALLER:

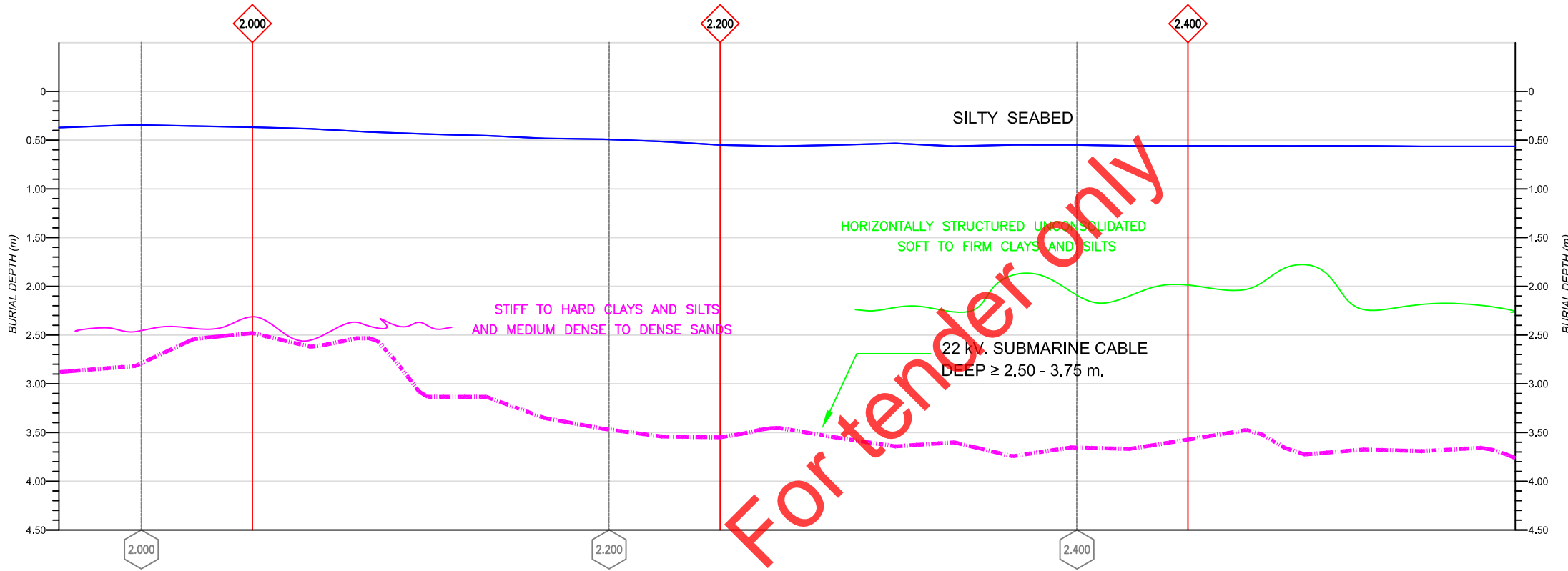
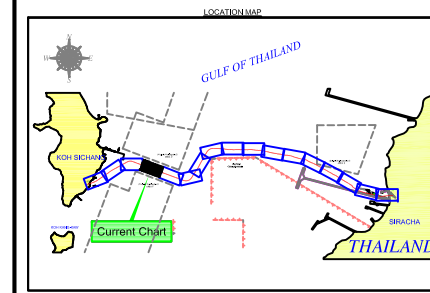
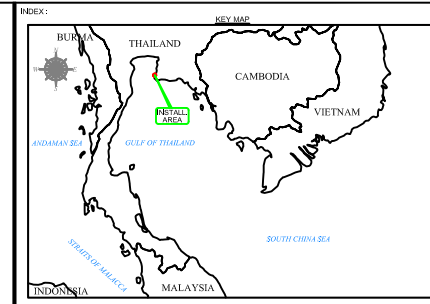
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 PUBLIC COMPANY LIMITED  
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22KV SUBMARINE POWER CABLE  
 INSTALLATION WORKS  
 FROM SIRACHA TO KOH SICHANG  
 THAILAND.



Project No.	1.1312553 012 01190 2553																			
Project Title	22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG																			
Location	SIRACHA TO KOH SICHANG																			
Drawing Title	22KV SUBMARINE CABLE DEPT. PROFILE																			
<table border="1"> <thead> <tr> <th>CONTRACTOR</th> <th>CHECKED</th> <th>REVIEWED</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td>INTERLINK CONSORTIUM</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		CONTRACTOR	CHECKED	REVIEWED	APPROVED	INTERLINK CONSORTIUM				<table border="1"> <thead> <tr> <th>DESIGN AND SERVICE</th> <th>DESIGN</th> <th>CHECKED</th> <th>REVIEWED</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td>PROVINCIAL ELECTRICITY AUTHORITY</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DESIGN AND SERVICE	DESIGN	CHECKED	REVIEWED	APPROVED	PROVINCIAL ELECTRICITY AUTHORITY				
CONTRACTOR	CHECKED	REVIEWED	APPROVED																	
INTERLINK CONSORTIUM																				
DESIGN AND SERVICE	DESIGN	CHECKED	REVIEWED	APPROVED																
PROVINCIAL ELECTRICITY AUTHORITY																				
DATE	14. 25.2553																			
SHEET NO.	23/64																			
DRAWING NO.	HFS																			



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
 KP 1.925 - KP 2.550

REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- Kilometer Post
- Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Coastline details are indicative only.
3. All measurements are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on PHS & SBL Sensor and Divers Report.
6. HDD Profile are approximate only (for detail please refer to HDD Contractor)
7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Multibeam Sonar/ Gyro Compass
  - iii) HYDRODORS Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETTIC PARAMETERS**

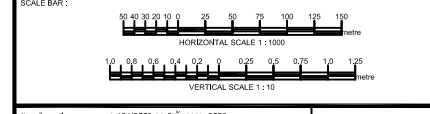
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.00" N
Semi-Minor Axis (b)	: 6 356 878.415 m	Central Longitude	: 101° 00'00.00" E
Eccentricity Squared	: 0.006 699 988 857	False Northing	: 0.00 m
Reduction Factor	: 300.801 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.Interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY**  
**(PEA)**  
 200 Ngam Wong Wan Road, Chatuchak  
 Bangkok 10310, Thailand  
 Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
 Website : www.pea.co.th

**22kV SUBMARINE POWER CABLE**  
**INSTALLATION WORKS**  
**FROM SIRACHA TO KOH SICHANG**  
**THAILAND.**

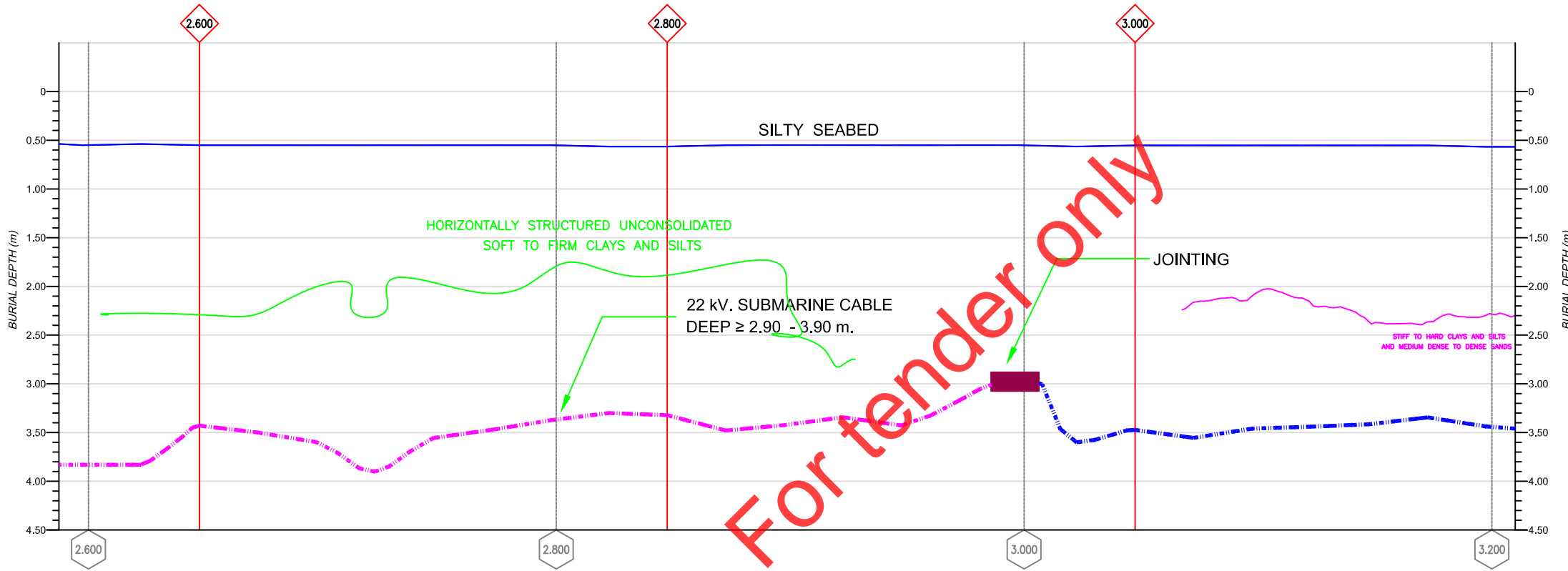


Project No. 1-1312553 012 011901 2053

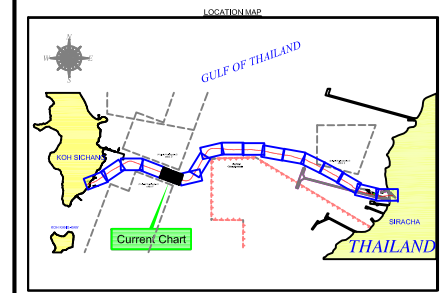
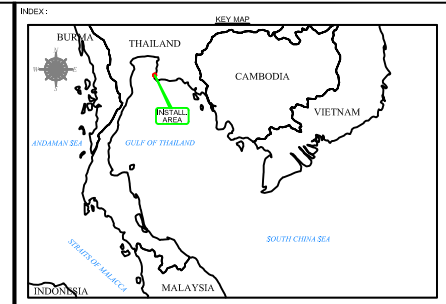
22kV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG

DRIVING TITLE: 22kV SUBMARINE CABLE DEPT. PROFILE

CONTRACTOR	DESIGN AND SERVICE			
	CHECKED	REVIEWED	APPROVED	
DESIGN	MLT/ATIRAPAT	SEB		
DRAWN	MLT/PUNJANA	NAME		
CHECKED	MLT/THANA	DATE		
DATE	14-25-2011	SHEET NO.	24/64	DRAWING NO.



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
 KP 2.550 - KP 3.175



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- ◊ Kilometer Post
- CX1 Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast Iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Cassette details are indicative only.
3. All measurements are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on PHS & SBL Sonar and Divers Report.
6. HDD Profile are approximate only (for detail please refer to HDD Contractor)
7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Multibeam Sonar/Range Gyro Compass
  - iii) HYDROORA Navigation Software Ver. 2.3
  - iv) PHS & SBL Sensor

**GEODETTIC PARAMETERS**

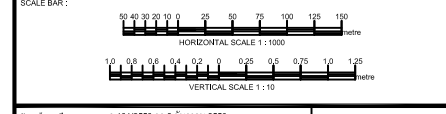
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.00" N
Semi-Minor Axis (b)	: 6 356 576.415 m	Central Longitude	: 101° 00'00.00" E
Eccentricity Squared	: 0.006 699 986 857	False Northing	: 0.00 m
Reduction Factor	: 300.801 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.Interlink.co.th

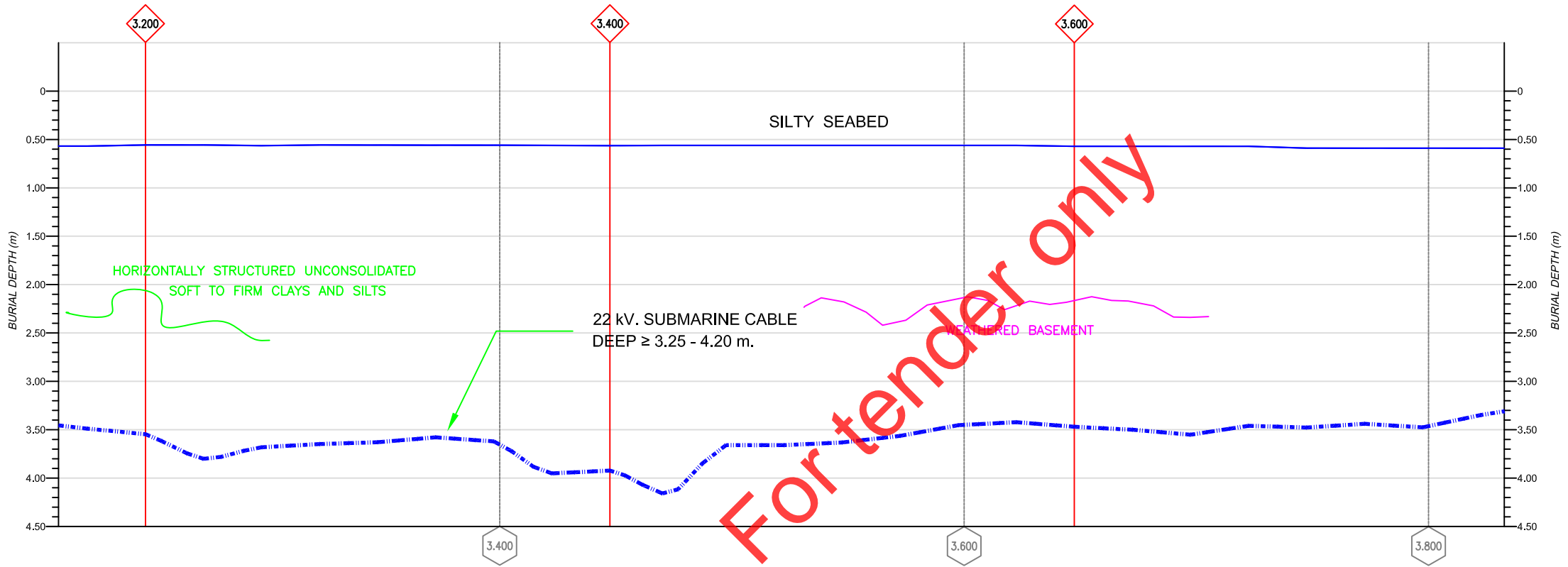
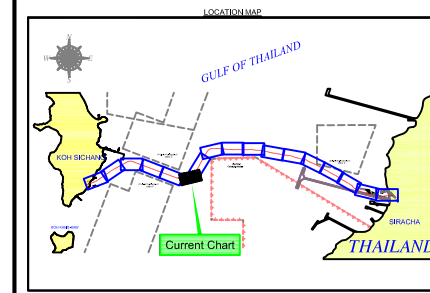
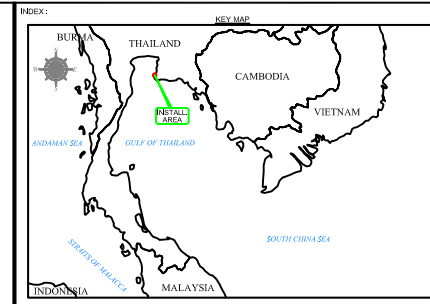
**PROVINCIAL ELECTRICITY AUTHORITY**  
**(PEA)**  
 200 Ngam Wong Wan Road, Chatuchak  
 Bangkok 10310, Thailand  
 Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
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**22KV SUBMARINE POWER CABLE**  
**INSTALLATION WORKS**  
**FROM SIRACHA TO KOH SICHANG**  
**THAILAND.**



Project No. 1-1312553 012 0119W 2053		
22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG		
SIRACHA TO KOH SICHANG		
DRAWING TITLE 22KV SUBMARINE CABLE DEPT. PROFILE		
CONTRACTOR		DESIGN AND SERVICE
DESIGN	MLT/AT/PT/PL	CHECKED
DRAWN	MLT/PT/PT/PL	REVIEWED
CHECKED	MLT/THANA	APPROVED
DATE	14-25-2011	DRAWING NO.
SHEET NO.	2594	SCALE
		HFS





**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1 000 | VERTICAL SCALE 1 : 10 & 1 : 100  
 KP 3.175 - KP 3.700

REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

LEGEND	
	Kilometer Post
	Sonar Crossing Point
	Existing Submarine Cable
	Reburial Submarine Cable
	Propose Submarine Cable
	First Subbottom Reflector
	Second Subbottom Reflector
	Third Subbottom Reflector
	HDPE #200mm. PM#8
	Cement Bag
	Cast iron (Protection Shell)
	Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
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  - iii) HYDRODORS Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

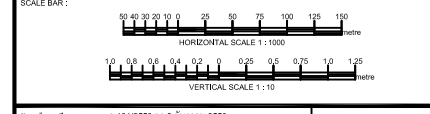
GEODETTIC PARAMETERS			
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.00" N
Semi-Minor Axis (b)	: 6 356 976.415 m	Central Longitude	: 101° 00'00.00" E
Eccentricity Squared	: 0.006 699 988 857	False Northing	: 0.000 m
Reduction Factor	: 300.801 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.Interlink.co.th

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**(PEA)**  
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 Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
 Website : www.pea.co.th

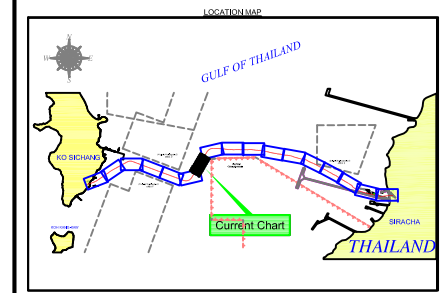
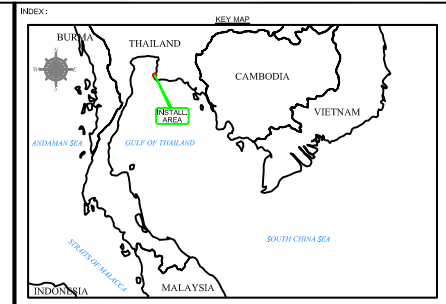
**22KV SUBMARINE POWER CABLE**  
**INSTALLATION WORKS**  
**FROM SIRACHA TO KOH SICHANG**  
**THAILAND.**



Project No. 1-1312553 012 011901 2053																					
22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG																					
SIRACHA TO KOH SICHANG																					
DRAWING TITLE 22KV SUBMARINE CABLE																					
DEPT. PROFILE																					
<table border="1"> <tr> <th>CONTRACTOR</th> <th>CHECKED</th> <th>REVIEWED</th> <th>APPROVED</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		CONTRACTOR	CHECKED	REVIEWED	APPROVED					<table border="1"> <tr> <th>DESIGN AND SERVICE</th> </tr> <tr> <td> </td> </tr> </table>	DESIGN AND SERVICE										
CONTRACTOR	CHECKED	REVIEWED	APPROVED																		
DESIGN AND SERVICE																					
<table border="1"> <tr> <td>DESIGN</td> <td>M.L.P. (THAI) P. (THAI)</td> <td>DATE</td> <td> </td> </tr> <tr> <td>DRAWN</td> <td>M.L.P. (THAI) P. (THAI)</td> <td>DATE</td> <td> </td> </tr> <tr> <td>CHECKED</td> <td>M.L.P. (THAI) P. (THAI)</td> <td>DATE</td> <td> </td> </tr> </table>	DESIGN	M.L.P. (THAI) P. (THAI)	DATE		DRAWN	M.L.P. (THAI) P. (THAI)	DATE		CHECKED	M.L.P. (THAI) P. (THAI)	DATE		<table border="1"> <tr> <td>SHEET NO.</td> <td>2564</td> <td>SCALE</td> <td>H/S</td> </tr> <tr> <td>DRAWING NO.</td> <td colspan="3"> </td> </tr> </table>	SHEET NO.	2564	SCALE	H/S	DRAWING NO.			
DESIGN	M.L.P. (THAI) P. (THAI)	DATE																			
DRAWN	M.L.P. (THAI) P. (THAI)	DATE																			
CHECKED	M.L.P. (THAI) P. (THAI)	DATE																			
SHEET NO.	2564	SCALE	H/S																		
DRAWING NO.																					
DATE: 14/05/2011		DRAWING NO. 1-1312553-012-011901-2053-DEPT. PROFILE-01																			



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
 KP 3.700 - KP 4.400



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- Kilometer Post
- CX1 Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast Iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Cassette details are indicative only.
3. All measurements are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on PHS & SBL Sensor and Divers Report.
6. HDD Profile are approximate only (for detail please refer to HDD Contractor)
7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Multibeam Sonar System Gyro Compass
  - iii) HYDRODORS Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETTIC PARAMETERS**

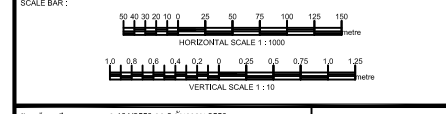
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Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.00" N
Semi-Minor Axis (b)	: 6 356 878.415 m	Central Longitude	: 101° 00'00.00" E
Eccentricity Squared	: 0.006 699 998 857	False Northing	: 0.00 m
Reduction Parameter	: 300.801 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.Interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY**  
**(PEA)**  
 200 Ngam Wong Wan Road, Chatuchak  
 Bangkok 10310, Thailand  
 Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
 Website : www.pea.co.th

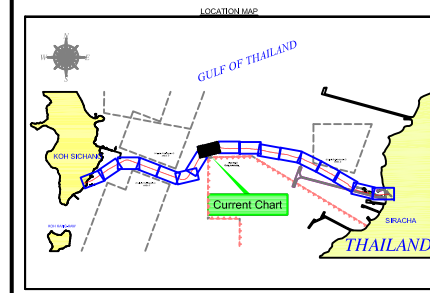
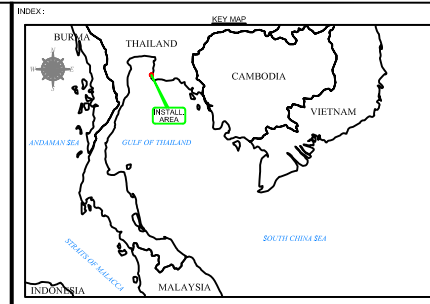
**22kV SUBMARINE POWER CABLE  
 INSTALLATION WORKS  
 FROM SIRACHA TO KOH SICHANG  
 THAILAND.**



Project No. 1-1312953 012 011901 2053		
22kV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG		
SIRACHA TO KOH SICHANG		
DRAWING TITLE 22kV SUBMARINE CABLE DEPT. PROFILE		
CONTRACTOR		ASSULT. DRAWING
DESIGN AND SERVICE		
DESIGN	MIL. JANTHANA	DESIGN
DRAWN	MIL. JANTHANA	DRAWN
CHECKED	MIL. THANA	CHECKED
DATE	14-25-2011	DATE
SHEET NO.	27/64	SHEET NO.
SCALE	N/S	SCALE
DRAWING NO.		DRAWING NO.



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 2 500 | VERTICAL SCALE 1 : 25 & 1 : 250  
 KP 4.400 - KP 5.050



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- ◊ Kilometer Post
- CX1 Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. P/N#
- Cement Bag
- Cast Iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Coordinate details are in meters only.
3. All measurement are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on Pitch & Roll Sensor and Divers Report.
6. BOD Profile are approximate only (for detail please refer to HDD Contractor)
7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Meridian Surveyor Gyro Compass
  - iii) HYDRICHO Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETTIC PARAMETERS**

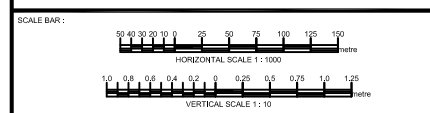
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1830	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.00" N
Semi-Minor Axis (b)	: 6 256 675.415 m	Central Longitude	: 99° 00'00.00" E
Eccentricity Squared	: 0.008 039 989 857	False Northing	: 0.00 m
Reduction Factor	: 0.9998 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9998		

**SUBMARINE CABLE INSTALLER:**

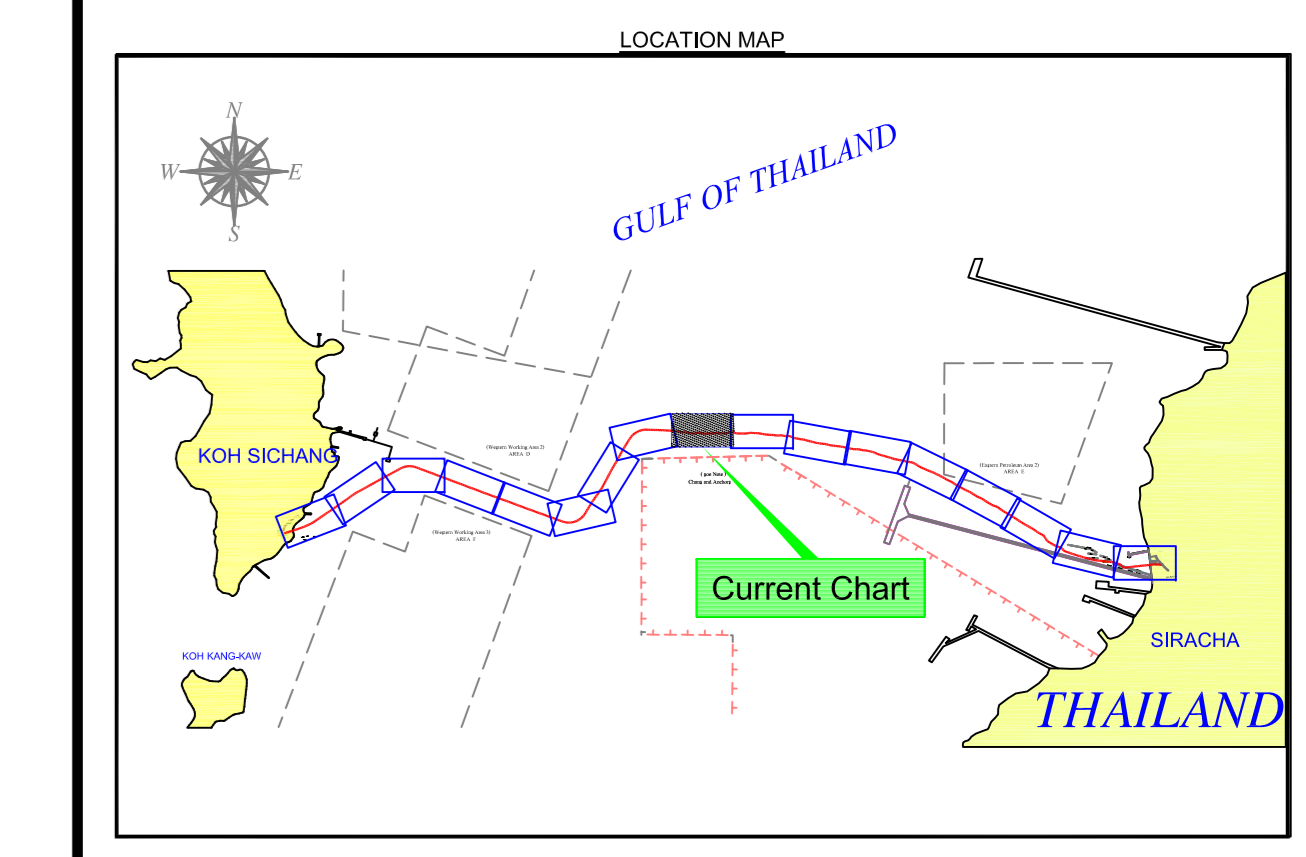
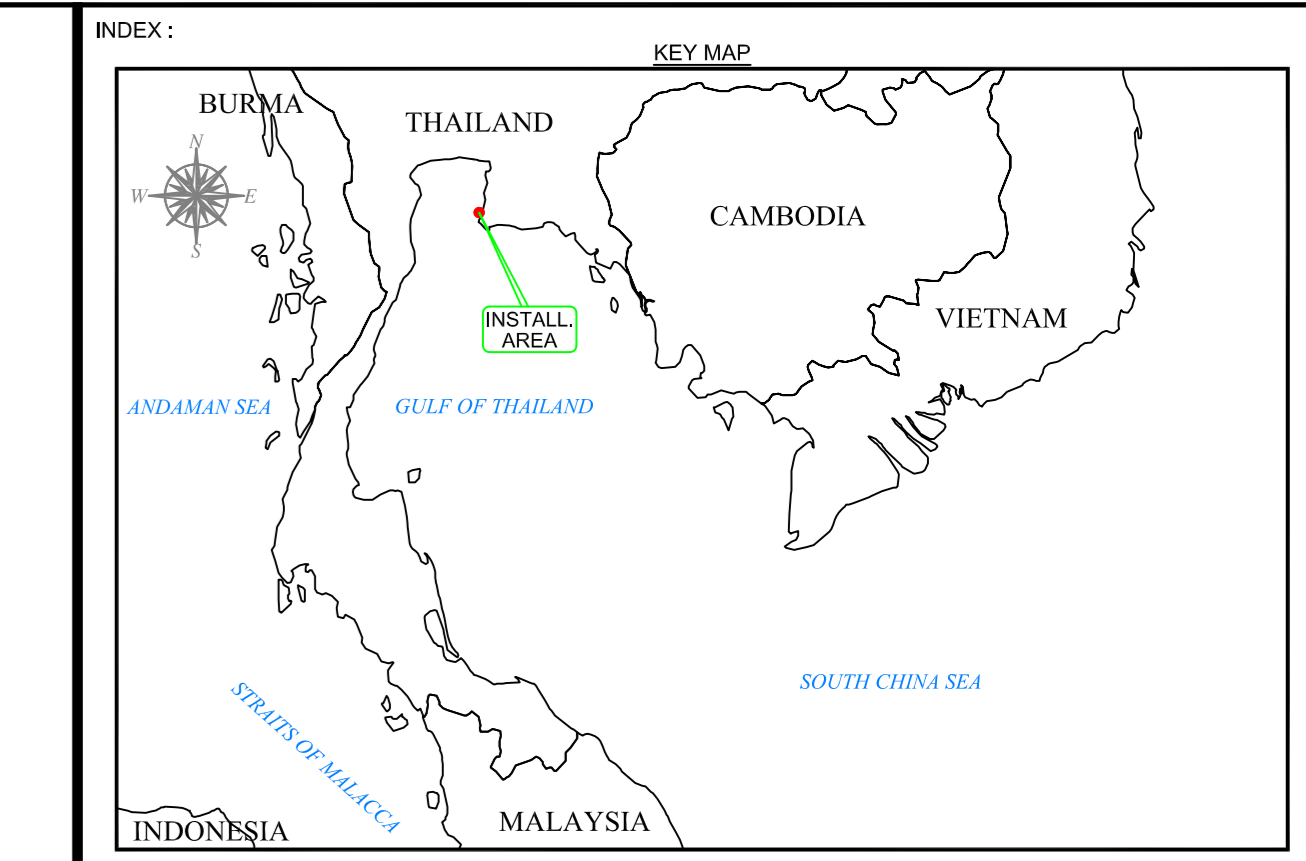
**INTERLINK COMMUNICATION PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rang-rueang, Ratchadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY (PEA)**  
 200 Ngam Wong Wan Road, Chatuchak  
 Bangkok 10310, Thailand  
 Tel : 0-2583-4100-1 (20 lines) Fax : 0-2589-4850-1  
 Website : www.pea.co.th

**22kV SUBMARINE POWER CABLE  
 INSTALLATION WORKS  
 FROM SIRACHA TO KOH SICHANG  
 THAILAND.**



Project Name: 22kV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG		
Drawing Title: 22kV SUBMARINE CABLE DEPT. PROFILE		
Contractor: INTERLINK CONSORTIUM	Design and Service: PROVINCIAL ELECTRICITY AUTHORITY	ASBUILT DRAWING
Checked: [Signature]	Reviewed: [Signature]	Approved: [Signature]
Drawn: [Signature]	Date: [Date]	Scale: NTS
Checked: [Signature]	Sheet No.: 2854	Drawing No.: PEA-SIRACHA-DEPT-PROFILE-001
Date: 25.05.2011	Scale: NTS	



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

LEGEND	
	Kilometer Post
	Sonar Crossing Point
	Existing Submarine Cable
	Reburial Submarine Cable
	Propose Submarine Cable
	First Subbottom Reflector
	Second Subbottom Reflector
	Third Subbottom Reflector
	HDPE #200mm. PN#8
	Cement Bag
	Cast Iron (Protection Shell)
	Alter Course & Event

GENERAL NOTES	
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2.	Coastline details are indicative only.
3.	All measurement are in meters.
4.	Depth are referenced to Mean Sea Level (MSL).
5.	Burial depth was based on PIRCH & Roll Sensor and Divers Report.
6.	HDD Profile are approximate only (for detail please refer to HDD Contractor)
7.	Equipment used:
i)	SeaSTAR DGPS
ii)	TSS Meridian Surveyor Gyro Compass
iii)	HYDRICpro Navigation Software Ver. 2.3
iv)	PIRCH & Roll Sensor

GEODETTIC PARAMETERS			
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1830	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.00" N
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Eccentricity Squared	: 0.006 659 986 657	False Northing	: 0.00 m
Reduced Flattening	: 1.300 601 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

SUBMARINE CABLE INSTALLER:

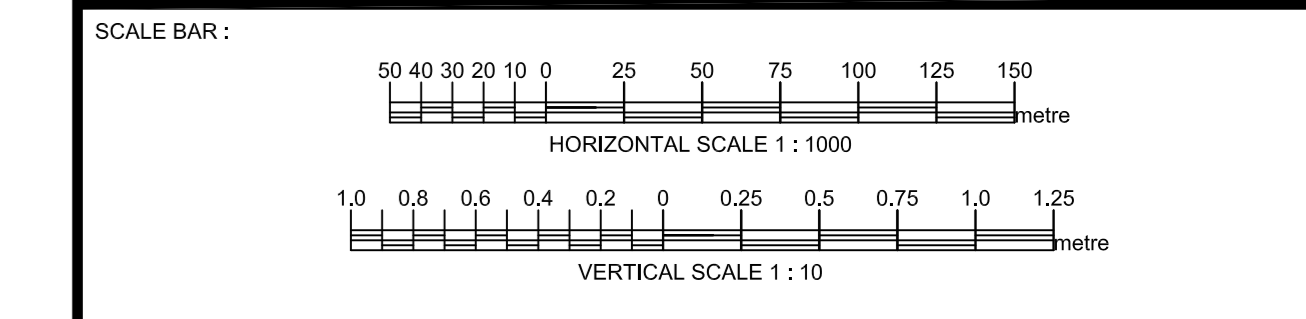
**INTERLINK COMMUNICATION**  
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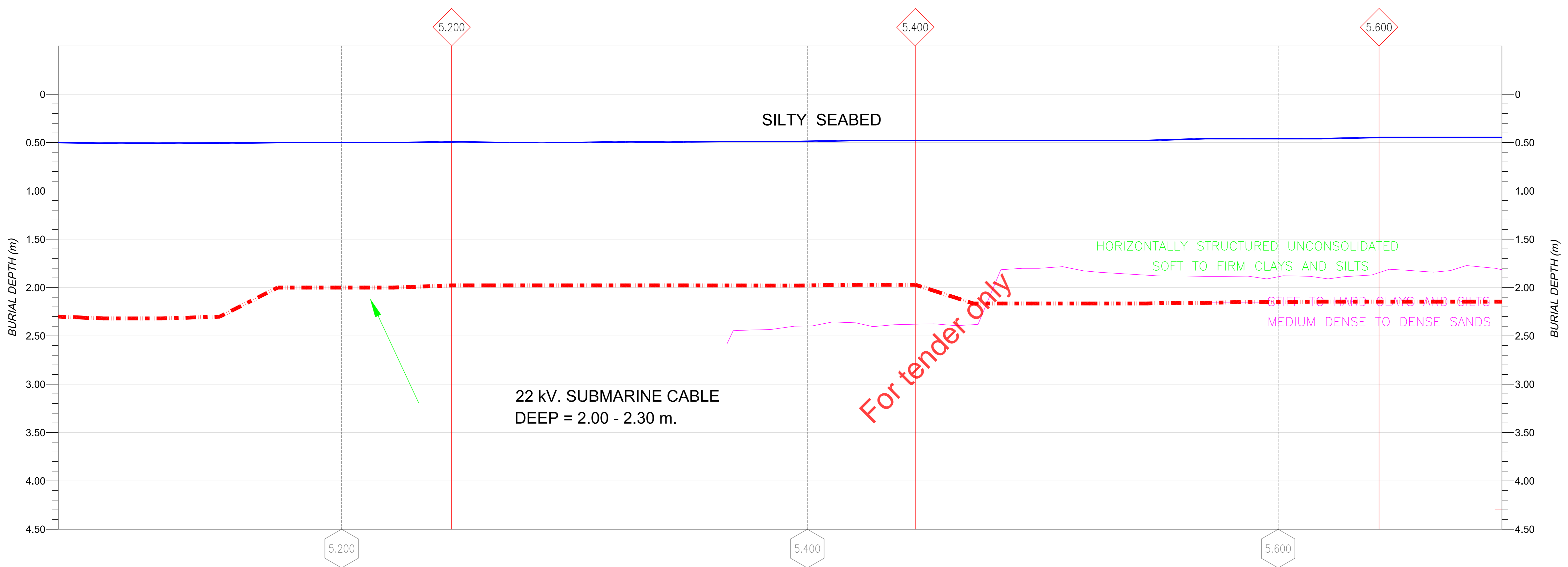
**PROVINCIAL ELECTRICITY AUTHORITY**  
(PEA)

200 Ngam Wong Wan Road, Chatchak  
Bangkok 10310, Thailand  
Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
Website : www.pea.co.th

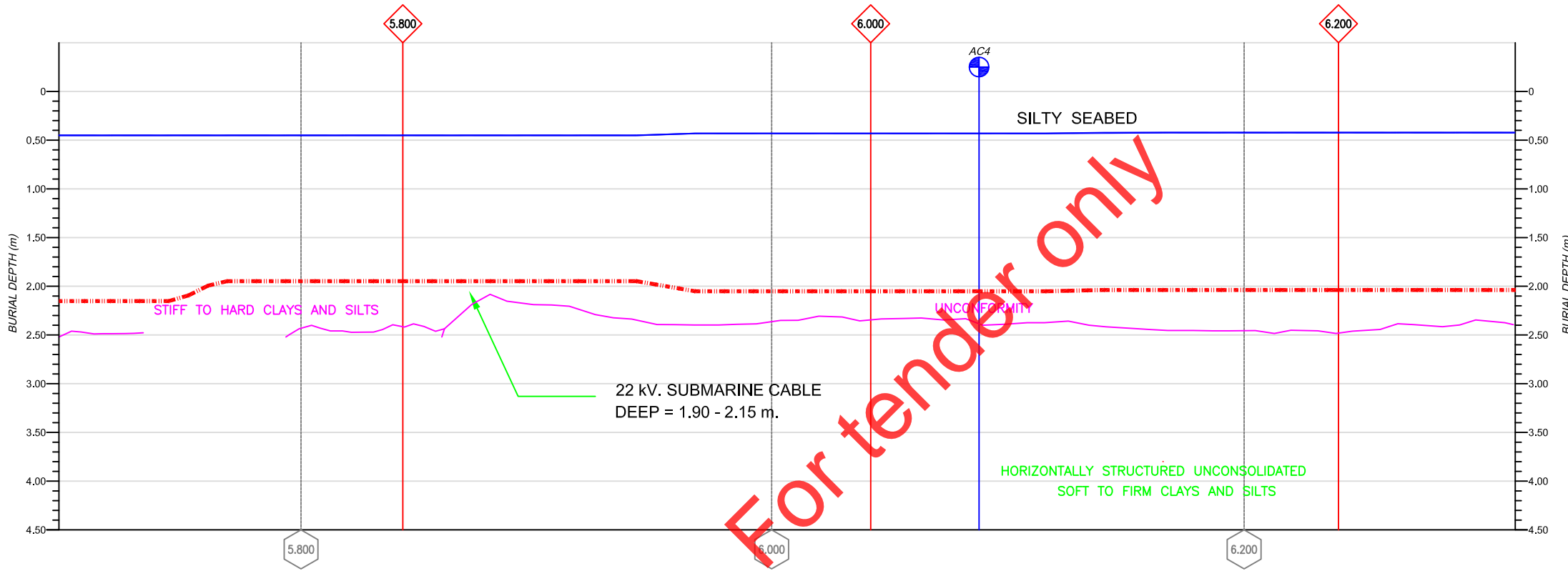
**22KV SUBMARINE POWER CABLE  
INSTALLATION WORKS  
FROM SIRACHA TO KOH SICHANG  
THAILAND.**



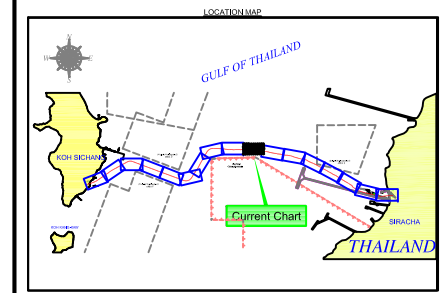
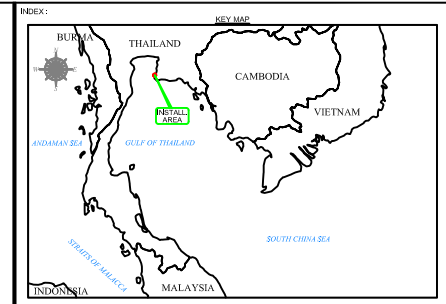
เลขที่โครงการ : ๑.131/2553 ก.2 ๑๖๓๖๓ 2553		DRAWING NO.	
22KV SUBMARINE CABLE EXTENSION SRIRACHA TO KOH SICHANG		29/84	
SRIRACHA TO KOH SICHANG		DRAWING NO.	
DRAWING TITLE		29/84	
22KV SUBMARINE CABLE		DRAWING NO.	
DEPT. PROFILE		29/84	
CONTRACTOR		SCALE	
INTERLINK CONSORTIUM		1:10	
DESIGN AND SERVICE		DRAWING NO.	
DESIGNER		29/84	
MR.P.KITIPAT		DRAWING NO.	
SIGN		29/84	
DRAWN		DRAWING NO.	
MRS.P.LUNGKANA		29/84	
DATE		DRAWING NO.	
MRS.T.THANA		29/84	
CHECKED		DRAWING NO.	
DATE		29/84	
July 25, 2011		DRAWING NO.	
		29/84	



**BURIAL PROFILE PANEL**  
HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
KP 5.050 - KP 5.675



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
 KP 5.600 - KP 6.275



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- Kilometer Post
- Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Coastline details are indicative only.
3. All measurements are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on PHS & SBL Sensor and Divers Report.
6. HDD Profile are approximate only (for detail please refer to HDD Contractor)
7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Heddler Sonarplus Gyro Compass
  - iii) HYDRORA Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETTIC PARAMETERS**

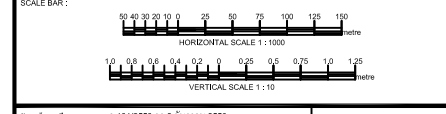
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.00" N
Semi-Minor Axis (b)	: 6 356 578.145 m	Central Longitude	: 100° 00'00.00" E
Eccentricity Squared	: 0.006 609 998 857	False Northing	: 0.000 m
Reduction Factor	: 300.801 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Rachadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.Interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY**  
**(PEA)**  
 200 Ngam Wong Wan Road, Chatuchak  
 Bangkok 10310, Thailand  
 Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
 Website : www.pea.co.th

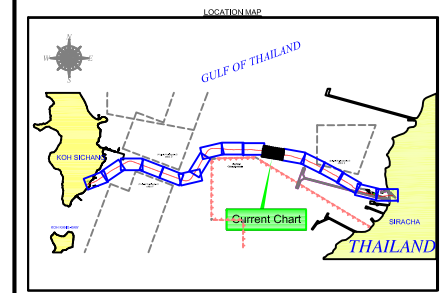
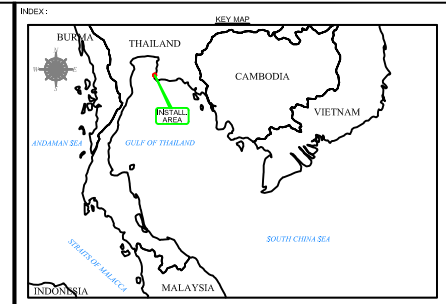
**22KV SUBMARINE POWER CABLE**  
**INSTALLATION WORKS**  
**FROM SIRACHA TO KOH SICHANG**  
**THAILAND.**



Project No. 1.1312953 012 01190 2053		
22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG		
SIRACHA TO KOH SICHANG		
DRAWING TITLE 22KV SUBMARINE CABLE		
DEPT. PROFILE		
CONTRACTOR INTERLINK CONSORTIUM		DESIGN AND SERVICE
		ASSULT DRAWING
DESIGN	MLT/AT/PT/PL	DESIGN
DRAWN	MLT/PT/SICHA	CHECKED
CHECKED	MLT/THANA	REVIEWED
DATE	14. 25.2011	APPROVED
SHEET NO.	3094	DRAWING NO.
SCALE	H/S	



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
 KP 6.275 - KP 6.900



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- Kilometer Post
- Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Coastline details are Indicative only.
3. All measurements are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on PHS & SBL Sensor and Divers Report.
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7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Heddler Surveyor Gyro Compass
  - iii) HYDRORA Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETIC PARAMETERS**

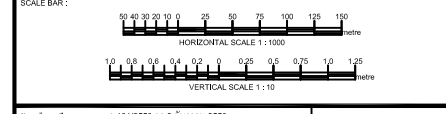
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.000" N
Semi-Minor Axis (b)	: 6 356 576.315 m	Central Longitude	: 100° 00'00.000" E
Eccentricity Squared	: 0.006 659 598 857	False Northing	: 0.000 m
Reduction Factor	: 300.801 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
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 Website : www.Interlink.co.th

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**22KV SUBMARINE POWER CABLE  
 INSTALLATION WORKS  
 FROM SIRACHA TO KOH SICHANG  
 THAILAND.**



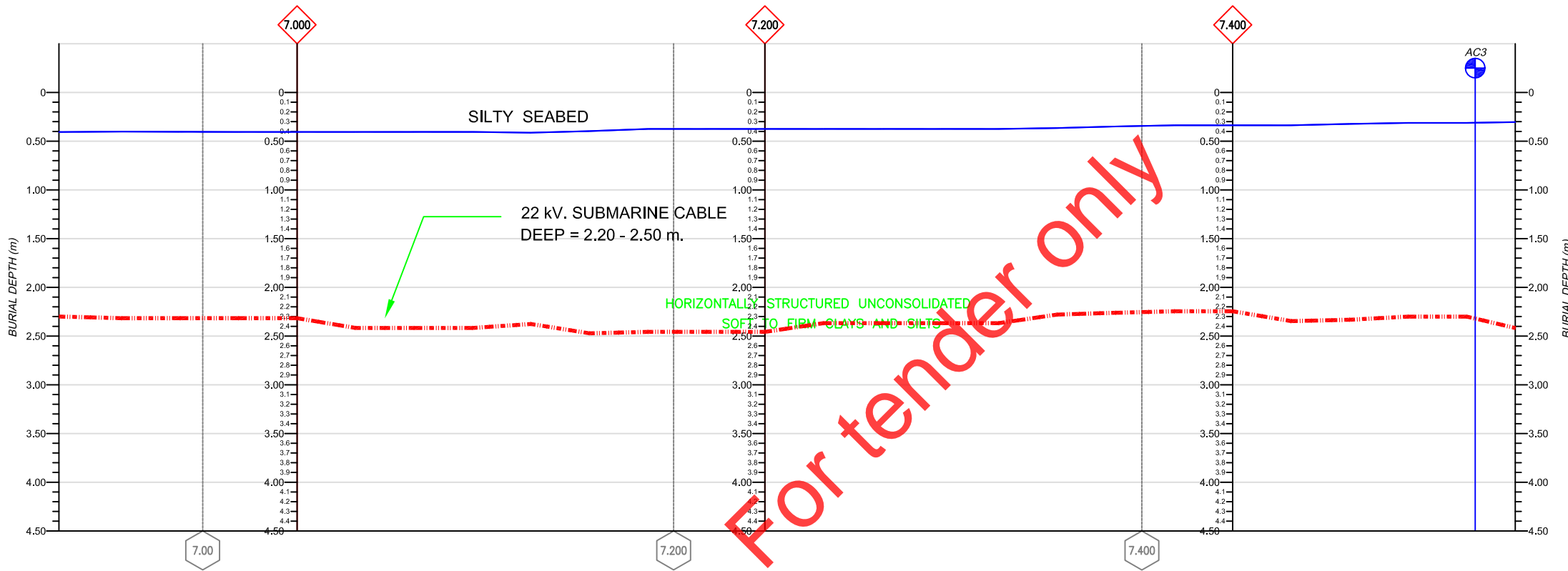
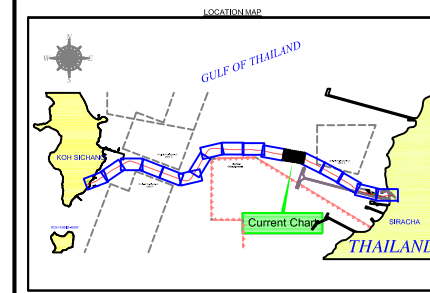
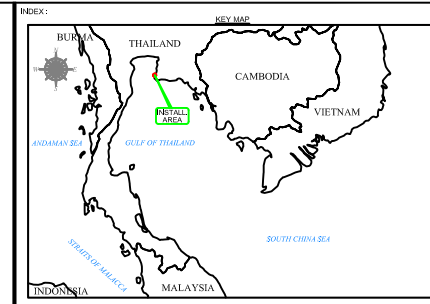
Project No. 1-1312553 012 01/19/0 2053

22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG

SIRACHA TO KOH SICHANG

DRAWING TITLE: 22KV SUBMARINE CABLE DEPT. PROFILE

CONTRACTOR	DESIGN AND SERVICE			
	CHECKED	REVIEWED	APPROVED	
DESIGN	MLT/AT/PT/PL	SEB		
DRAWN	MLT/AT/PT/PL	NAME		
CHECKED	MLT/AT/PT/PL	DATE		
DATE	14-25-2011	SHEET NO.	3/64	DRAWING NO.



BURIAL PROFILE PANEL  
HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
KP 6.900 - KP 7.525

REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

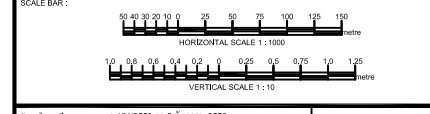
- LEGEND**
- DEEP PROFILE**
- ◊ Kilometer Post
  - CX1 Sonar Crossing Point
  - Existing Submarine Cable
  - Reburial Submarine Cable
  - Propose Submarine Cable
  - First Subbottom Reflector
  - Second Subbottom Reflector
  - Third Subbottom Reflector
  - HDPE #200mm. PM#8
  - Cement Bag
  - Cast iron (Protection Shell)
  - Alter Course & Event

- GENERAL NOTES**
1. Surface Positioning by SeaSTAR DGPS
  2. Coastline details are indicative only.
  3. All measurements are in meters.
  4. Depth are referenced to Mean Sea Level (MSL).
  5. Burial depth was based on PHS & SSB Sonar and Divers Report.
  6. HDD Profile are approximate only (for detail please refer to HDD Contractor)
  7. Equipment used:
    - i) SeaSTAR DGPS
    - ii) TSS Healden Surveyor Gyro Compass
    - iii) HYDROORA Navigation Software Ver. 2.3
    - iv) PHS & SSB Sonar

**INTERLINK COMMUNICATION**  
PUBLIC COMPANY LIMITED  
48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
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Website : www.Interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY (PEA)**  
200 Ngam Wong Wan Road, Chatuchak  
Bangkok 10310, Thailand  
Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
Website : www.pea.co.th

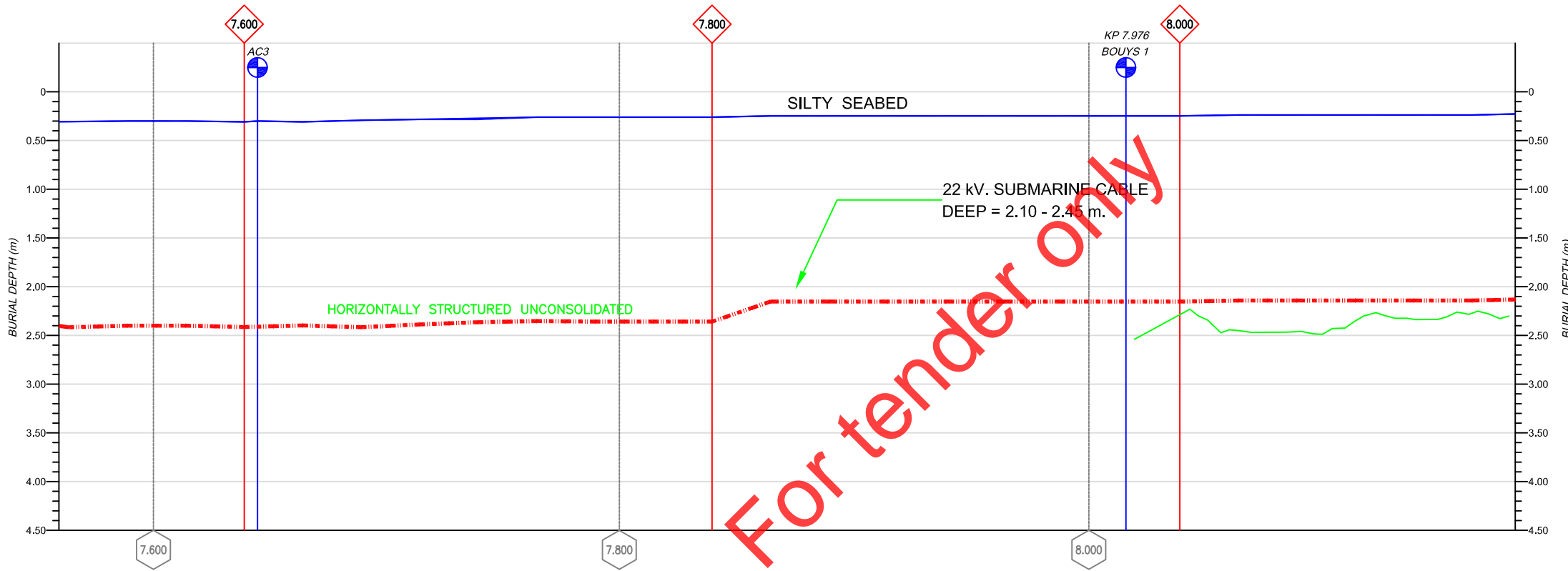
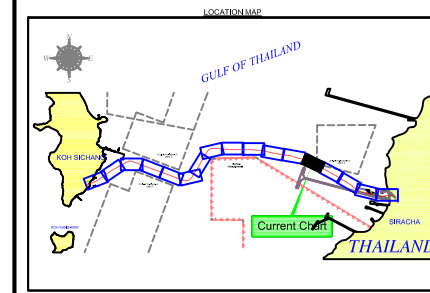
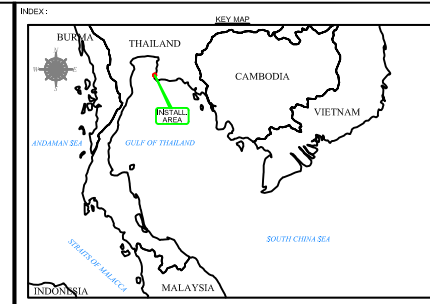
22KV SUBMARINE POWER CABLE  
INSTALLATION WORKS  
FROM SIRACHA TO KOH SICHANG  
THAILAND.



Project No. 1-1312553-012-0119W-2053	
22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG	
Project Name: SIRACHA TO KOH SICHANG	
Project Title: 22KV SUBMARINE CABLE DEPT. PROFILE	

CONTRACTOR	DESIGN AND SERVICE			
	CHECKED	REVIEWED	APPROVED	

DESIGN: M.L. JANTHANA, M.S. JANTHANA, M.L. JANTHANA, M.S. JANTHANA  
DRAWN: M.L. JANTHANA, M.S. JANTHANA, M.L. JANTHANA, M.S. JANTHANA  
CHECKED: M.L. JANTHANA, M.S. JANTHANA, M.L. JANTHANA, M.S. JANTHANA  
DATE: 14. 25.2011 SHEET NO. 2264 SCALE: 1:1000 DRAWING NO. 1000-0000-0000-0000



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
 KP 7.500 - KP 8.150

REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- Kilometer Post
- CX1 Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PMS
- Cement Bag
- Cast Iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Coastline details are indicative only.
3. All measurements are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on PMS & SBL Sensor and Divers Report.
6. HDD Profile are approximate only (for detail please refer to HDD Contractor)
7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Multibeam Sonar/ Gyro Compass
  - iii) HYDRODORS Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETTIC PARAMETERS**

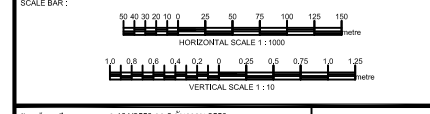
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.00" N
Semi-Minor Axis (b)	: 6 356 576.345 m	Central Longitude	: 100° 00'00.00" E
Eccentricity Squared	: 0.006 699 988 857	False Northing	: 0.00 m
Reduction Factor	: 300.801 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.Interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY**  
**(PEA)**  
 200 Ngam Wong Wan Road, Chatuchak  
 Bangkok 10310, Thailand  
 Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
 Website : www.pea.co.th

**22KV SUBMARINE POWER CABLE**  
**INSTALLATION WORKS**  
**FROM SIRACHA TO KOH SICHANG**  
**THAILAND.**



Project No. 1-1312553 012 011901 2053

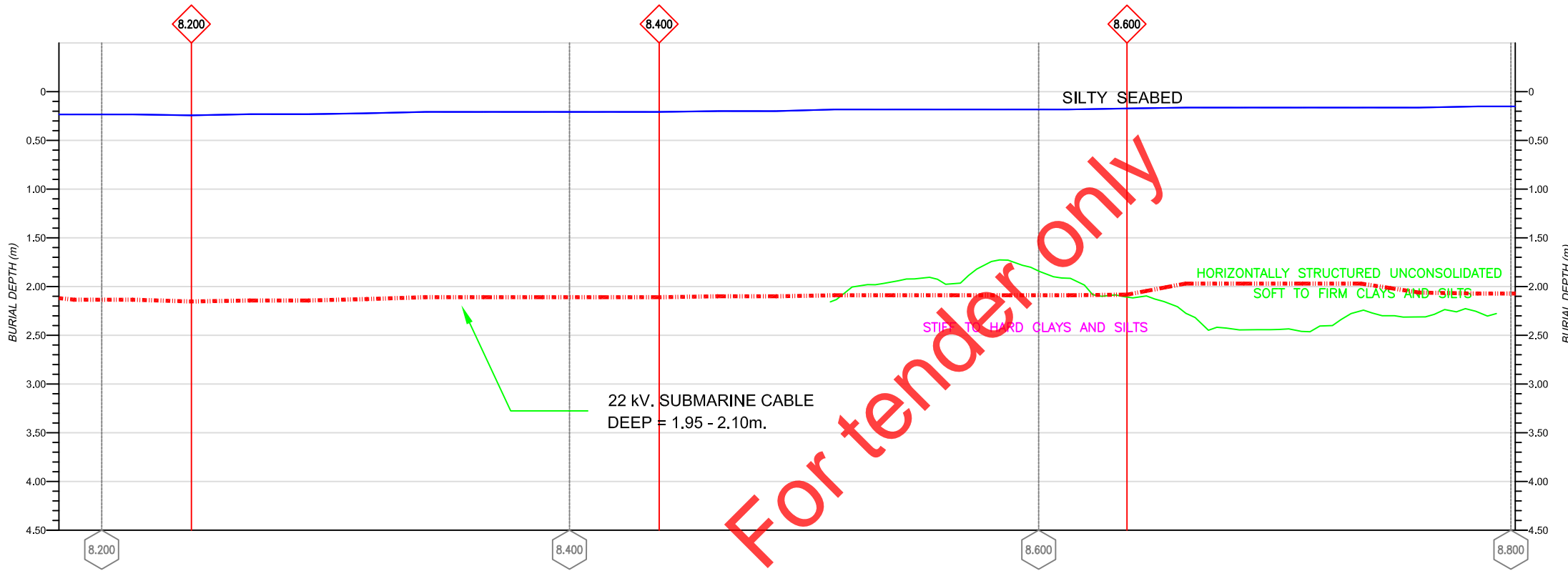
22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG

FROM SIRACHA TO KOH SICHANG

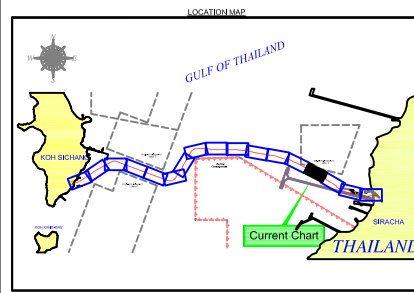
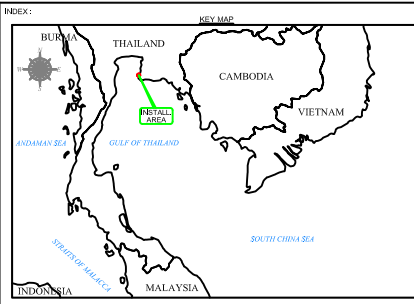
DRAWING TITLE: 22KV SUBMARINE CABLE DEPT. PROFILE

CONTRACTOR	DESIGN AND SERVICE			
	CHECKED	REVIEWED	APPROVED	
DESIGN	MLT/ATIP/MLT	SEB		
DRAWN	MLT/ATIP/MLT	NAME		
CHECKED	MLT/THANA	DATE		
DATE	14-25-2011	SHEET NO.	33/64	DRAWING NO.





**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1: 100  
 KP 8.150 - KP 8.775



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- Kilometer Post
- Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Coastline details are indicative only.
3. All measurements are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on PHS & SBL Sonar and Divers Report.
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7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Heddler Sonarplus Gyro Compass
  - iii) HYDRORA Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETTIC PARAMETERS**

Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.00" N
Semi-Minor Axis (b)	: 6 356 576.145 m	Central Longitude	: 100° 00'00.00" E
Eccentricity Squared	: 0.006 699 988 857	False Northing	: 0.00 m
Reduction Factor	: 300 801 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

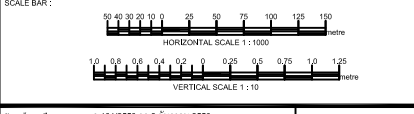
**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**

48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.Interlink.co.th

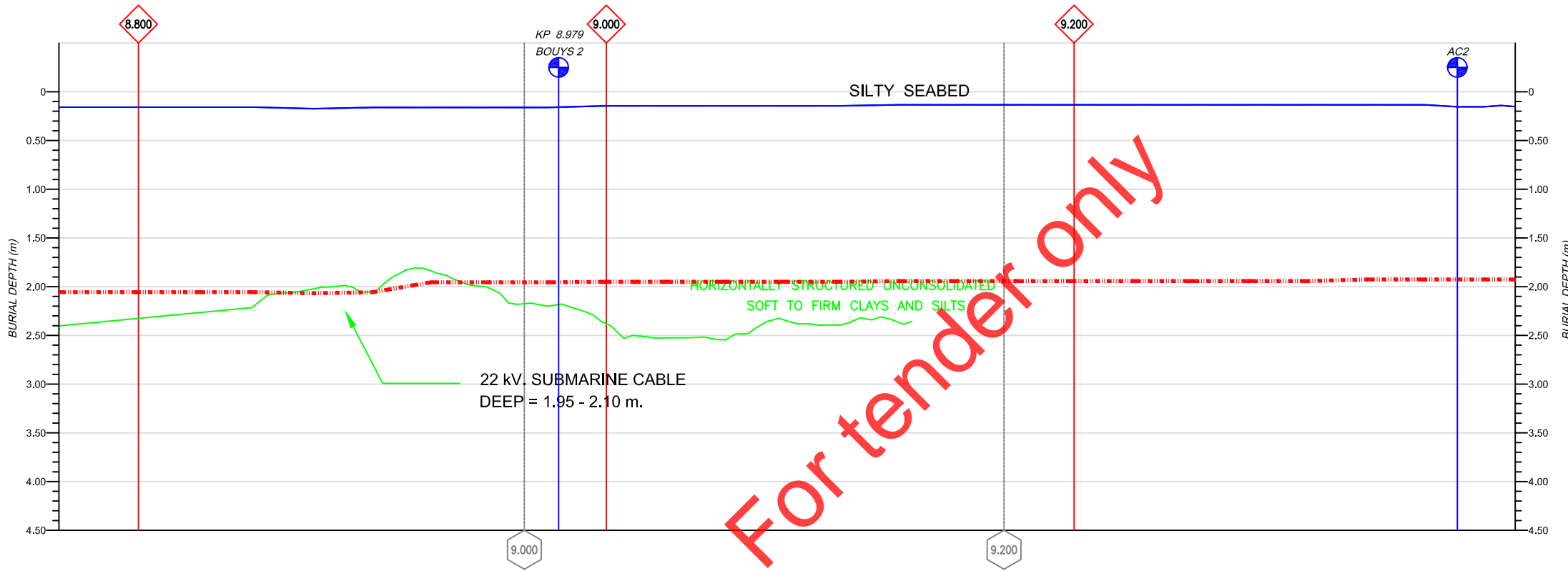
**PROVINCIAL ELECTRICITY AUTHORITY**  
**(PEA)**

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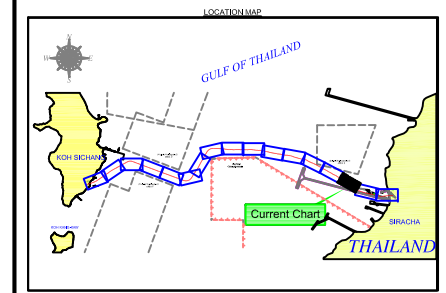
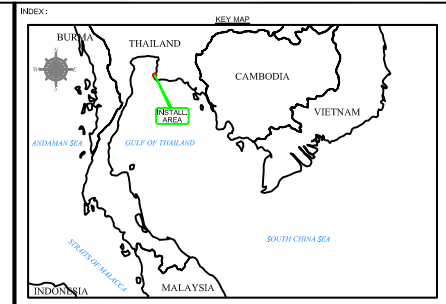
**22KV SUBMARINE POWER CABLE**  
**INSTALLATION WORKS**  
**FROM SIRACHA TO KOH SICHANG**  
**THAILAND.**



Project No. 1-1312553 012 011901 2053		
22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG		
SIRACHA TO KOH SICHANG		
DRAWING TITLE 22KV SUBMARINE CABLE DEPT. PROFILE		
CONTRACTOR INTERLINK CONSORTIUM		ASSULT. DRAWING DESIGN AND SERVICE
DESIGN: MLT, PATTANAPORN DRAWN: MR. P. SICHANG CHECKED: MR. THANA DATE: 14/ 25/2561		DESIGN AND SERVICE CHECKED: [Signature] REVIEWED: [Signature] APPROVED: [Signature]
SHEET NO. 3494		DRAWING NO. 10000000000000000000



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
 KP 8.750 - KP 9.375



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- Kilometer Post
- Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

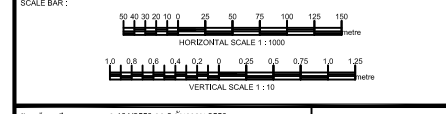
- Surface Positioning by SeaSTAR DGPS
- Coastline details are indicative only.
- All measurements are in meters.
- Depth are referenced to Mean Sea Level (MSL).
- Burial depth was based on PHS & SBL Sensor and Divers Report.
- HDD Profile are approximate only (for detail please refer to HDD Contractor)
- Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Multibeam Sonar System
  - iii) HYDROSWA Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**SUBMARINE CABLE INSTALLER:**

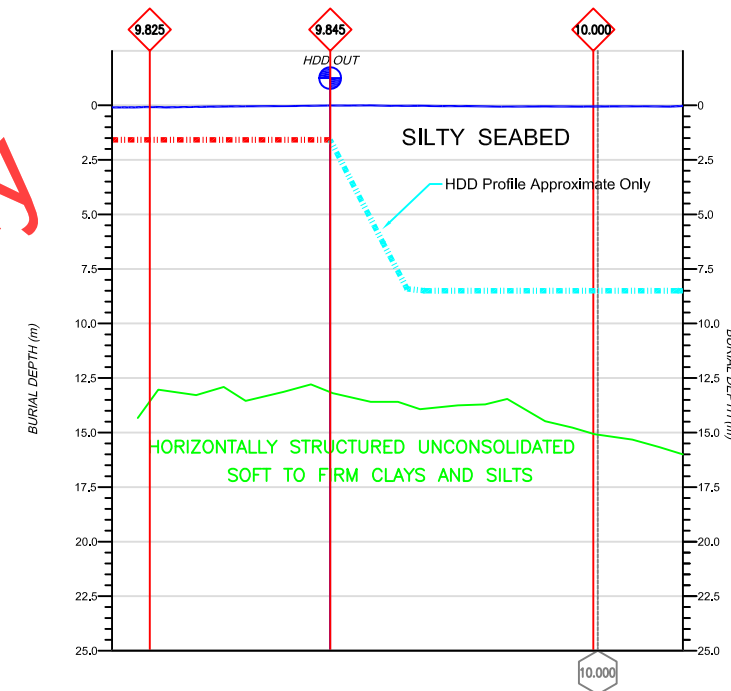
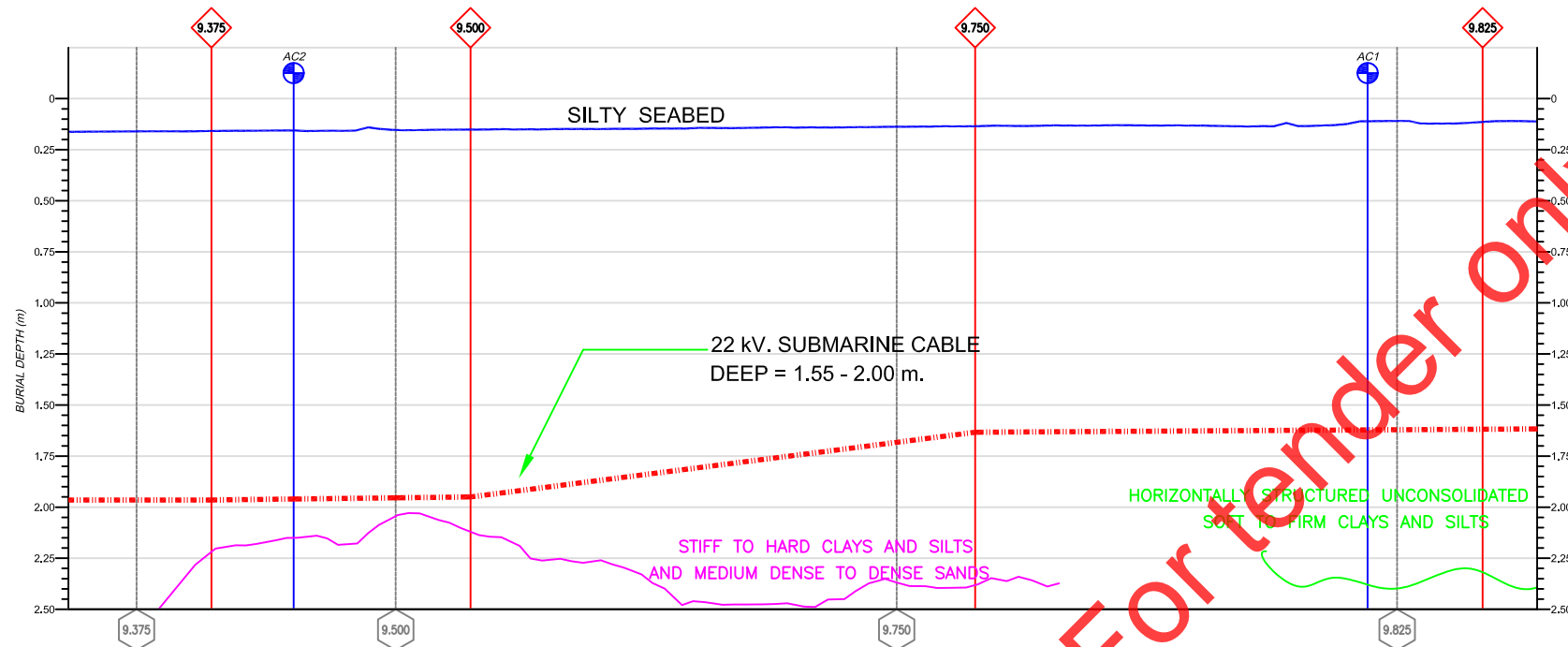
**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
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 Website : www.Interlink.co.th

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 Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
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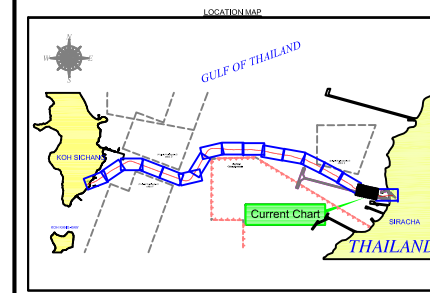
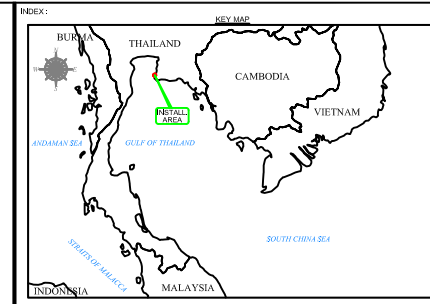
**22KV SUBMARINE POWER CABLE  
 INSTALLATION WORKS  
 FROM SIRACHA TO KOH SICHANG  
 THAILAND.**



Project No. 1-1312553 012 011901 2053																																		
22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG																																		
SIRACHA TO KOH SICHANG																																		
DRAWING TITLE 22KV SUBMARINE CABLE DEPT. PROFILE																																		
CONTRACTOR INTERLINK CONSORTIUM		DESIGN AND SERVICE																																
<table border="1"> <thead> <tr> <th>DESIGN</th> <th>CHKD.</th> <th>REVIEWD.</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td>MLT/AT/PR/PLT</td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>MLT/AT/PR/PLT</td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>MLT/AT/PR/PLT</td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DESIGN	CHKD.	REVIEWD.	APPROVED	MLT/AT/PR/PLT				MLT/AT/PR/PLT				MLT/AT/PR/PLT				<table border="1"> <thead> <tr> <th>CONTRACTOR</th> <th>CHKD.</th> <th>REVIEWD.</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	CONTRACTOR	CHKD.	REVIEWD.	APPROVED												
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CONTRACTOR	CHKD.	REVIEWD.	APPROVED																															
DATE: 14. 25.2011	SHEET NO. 35/64	DRAWING NO. HFS																																



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1250 | VERTICAL SCALE 1 : 12.5 & 1 : 125  
 KP 9.375 - KP 10.000



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- Kilometer Post
- Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

1. Surface Positioning by SeaSTAR DGPS
2. Cassette details are indicative only.
3. All measurements are in meters.
4. Depth are referenced to Mean Sea Level (MSL).
5. Burial depth was based on PHS & RFL Sensor and Divers Report.
6. HDD Profile are approximate only (for detail please refer to HDD Contractor)
7. Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Multibeam Sonar/ Gyro Compass
  - iii) HYDRODORS Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETIC PARAMETERS**

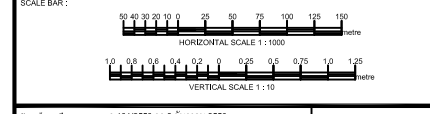
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
Spheroid	: Everest 1852	Type	: Transverse Mercator
Semi-Major Axis (a)	: 6 377 276.345 m	Central Longitude	: 0° 00'00.000" E
Semi-Minor Axis (b)	: 6 356 976.415 m	Central Latitude	: 19° 00'00.000" E
Eccentricity Squared	: 0.006 699 998 857	False Northing	: 0.00 m
Reduction Factor	: 300.801 725 402	False Easting	: 500 000.00 m
Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

**INTERLINK COMMUNICATION**  
**PUBLIC COMPANY LIMITED**  
 48 Interlink Building, Soi Rung-rung, Rachdaphisick Road  
 Samsenok, Huay Khwang, Bangkok 10310  
 Tel : 0-2693-1222 (20 lines) Hot Line : 0-2276-0340 Fax : 0-2693-1399  
 Website : www.Interlink.co.th

**PROVINCIAL ELECTRICITY AUTHORITY**  
**(PEA)**  
 200 Ngam Wong Wan Road, Chatuchak  
 Bangkok 10310, Thailand  
 Tel : 0-2589-0100-1 (20 lines) Fax : 0-2589-4850-1  
 Website : www.pea.co.th

**22kV SUBMARINE POWER CABLE**  
**INSTALLATION WORKS**  
**FROM SIRACHA TO KOH SICHANG**  
**THAILAND.**



Project No. 1-1312553 012 011904 2053

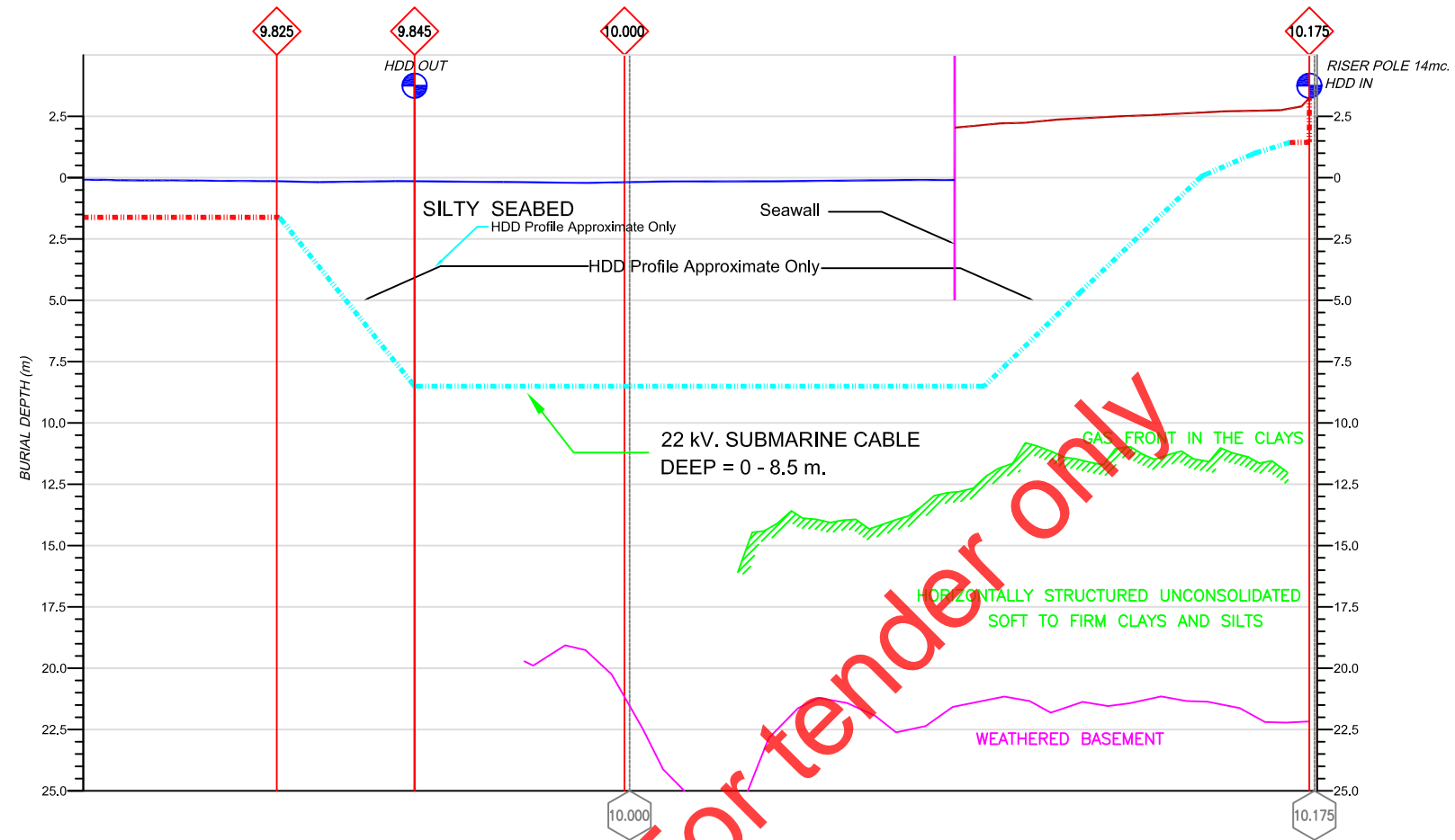
**22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG**

FROM SIRACHA TO KOH SICHANG

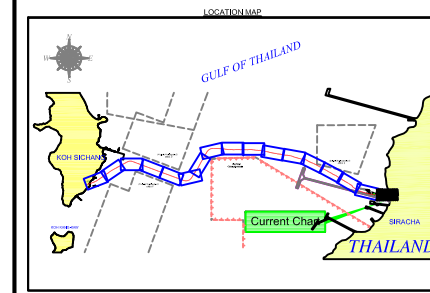
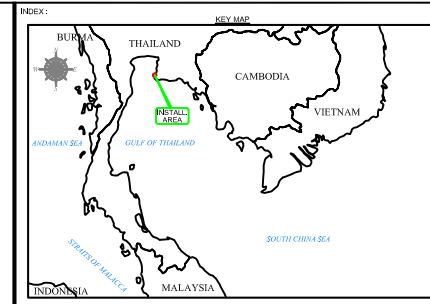
DRAWING TITLE: 22KV SUBMARINE CABLE DEPT. PROFILE

DESIGN AND SERVICE:

CONTRACTOR	CHECKED	REVIEWED	APPROVED
DESIGN: MLT, JETP/MLT	SEIN		
DRAWN: MRB, JETP/MLT	NAME		
CHECKED: MLT, THANA	DATE		
DATE: 14. 25.2011	SHEET NO. 36/64	SCALE: NTS	DRAWING NO. 1-1312553-012-011904-2053-DEPT. PROFILE-010



**BURIAL PROFILE PANEL**  
 HORIZONTAL SCALE 1 : 1000 | VERTICAL SCALE 1 : 10 & 1 : 100  
 KP 9.825 - KP 10.175



REV.	AMENDMENT	DRWN.	CHKD.	APPR.	DATE

**LEGEND**

**DEEP PROFILE**

- Kilometer Post
- Sonar Crossing Point
- Existing Submarine Cable
- Reburial Submarine Cable
- Propose Submarine Cable
- First Subbottom Reflector
- Second Subbottom Reflector
- Third Subbottom Reflector
- HDPE #200mm. PM#8
- Cement Bag
- Cast iron (Protection Shell)
- Alter Course & Event

**GENERAL NOTES**

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- Coordinate details are indicative only.
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- Burial depth was based on PHS & S&B Sonar and Divers Report.
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- Equipment used:
  - i) SeaSTAR DGPS
  - ii) TSS Heddler Sonarplus Gyro Compass
  - iii) HYDROORA Navigation Software Ver. 2.3
  - iv) Pitch & Roll Sensor

**GEODETTIC PARAMETERS**

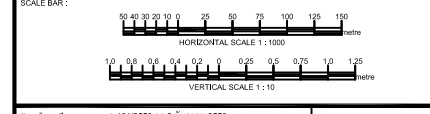
Datum Transformation	: Indian 1975 (Thailand)	Projection	: UTM 47 North
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Semi-Major Axis (a)	: 6 377 276.345 m	Central Latitude	: 0° 00'00.00" N
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Scale Factor	: 0.9996		

**SUBMARINE CABLE INSTALLER:**

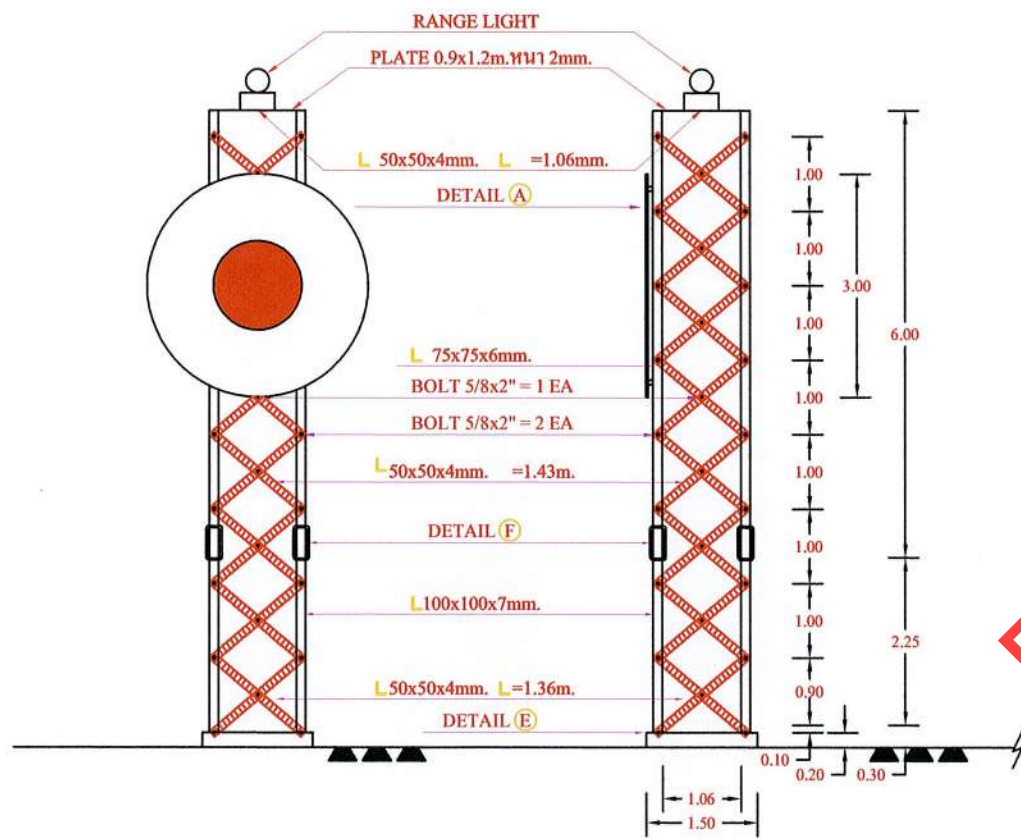
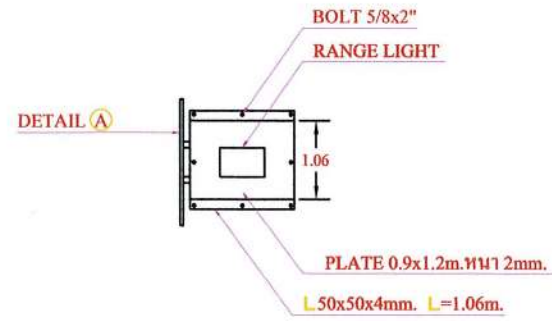
**INTERLINK COMMUNICATION**  
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 48 Interlink Building, Soi Rung-rung, Ratchadaphisek Road  
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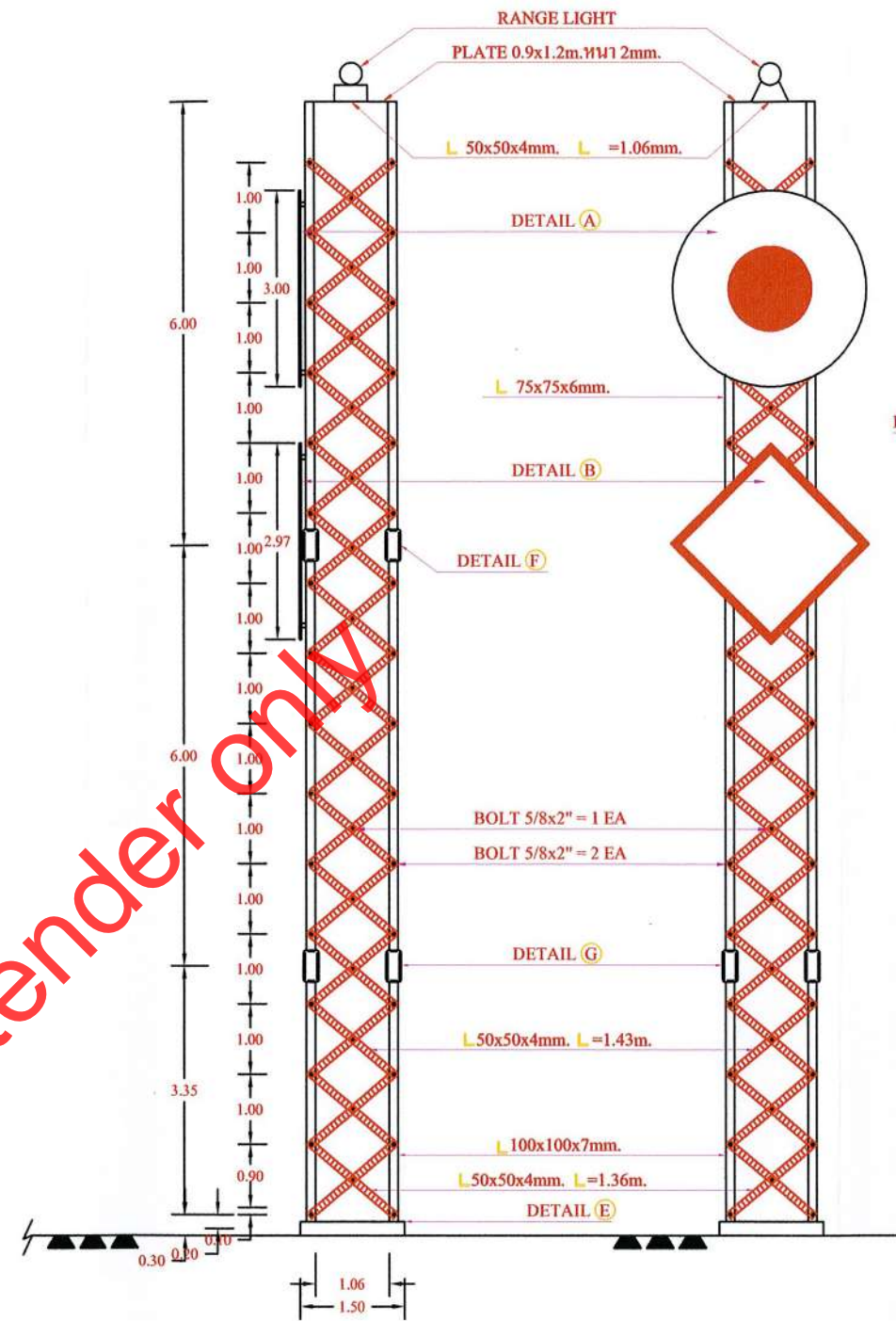
**22KV SUBMARINE POWER CABLE  
 INSTALLATION WORKS  
 FROM SIRACHA TO KOH SICHANG  
 THAILAND.**



Project No. 1-1312953 012 011901 2053		
22KV SUBMARINE CABLE EXTENSION SIRACHA TO KOH SICHANG		
SIRACHA TO KOH SICHANG		
DRAWING TITLE 22KV SUBMARINE CABLE		
DEPT. PROFILE		
CONTRACTOR		
DESIGN AND SERVICE		
CHECKED	REVIEWED	APPROVED
DESIGN	NAME	
DRAWN	DATE	
CHECKED	SHEET NO.	DRAWING NO.
DATE	SCALE	



SCALE NTS  
FRONT TOWER 8.00 M. (KHO SICHANG and KHO LAN)



SCALE NTS  
REAR TOWER 15.00 M. (KHO SICHANG and KHO LAN)

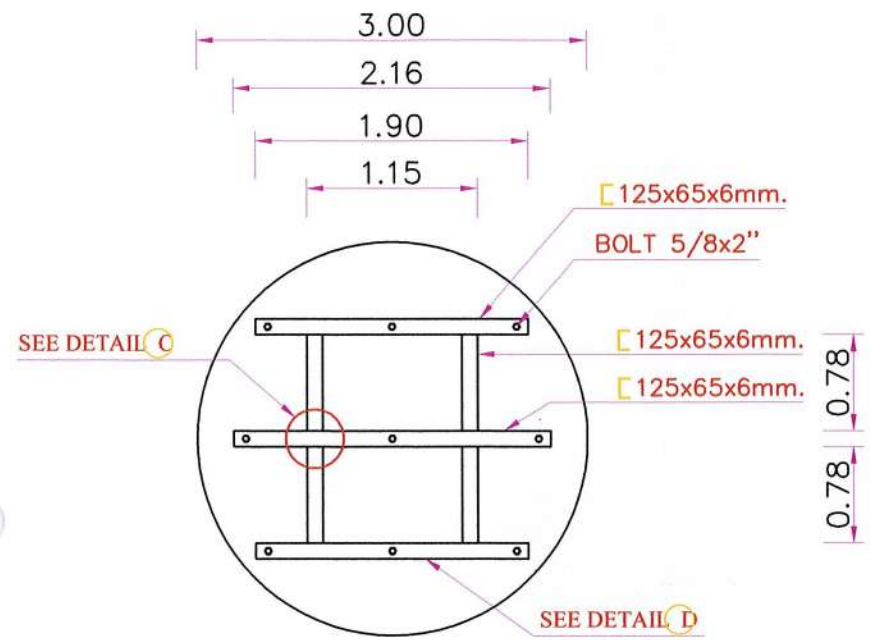
**หมายเหตุ**

1. เหล็กทุกชิ้น ชุบสังกะสีมีความหนาของสังกะสี 120 ไมครอน

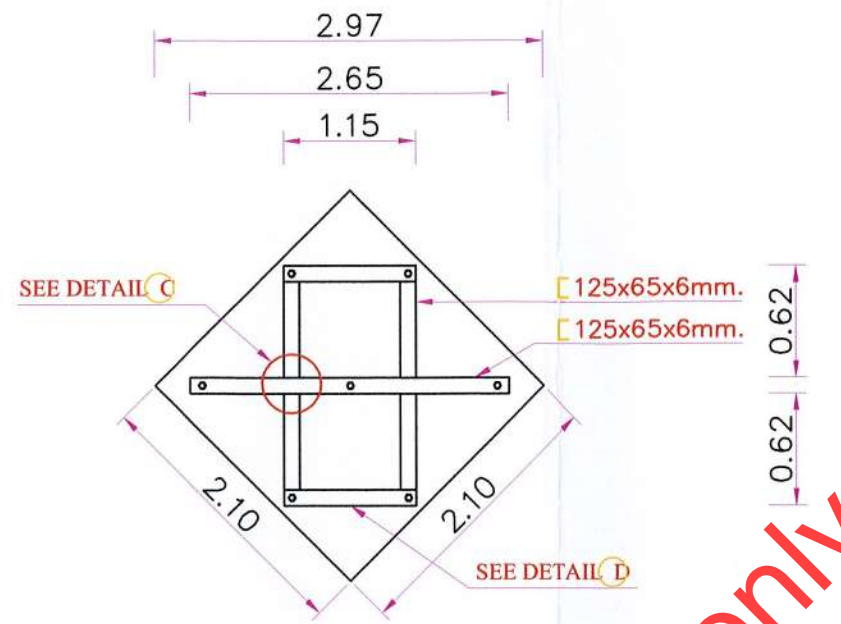
**NOTE**

1. ALL STEEL SHALL BE HOT-DIP GALVANIZED  
THE THICKNESS OF ZINC COATING SHALL  
THAN 120 MICRONS

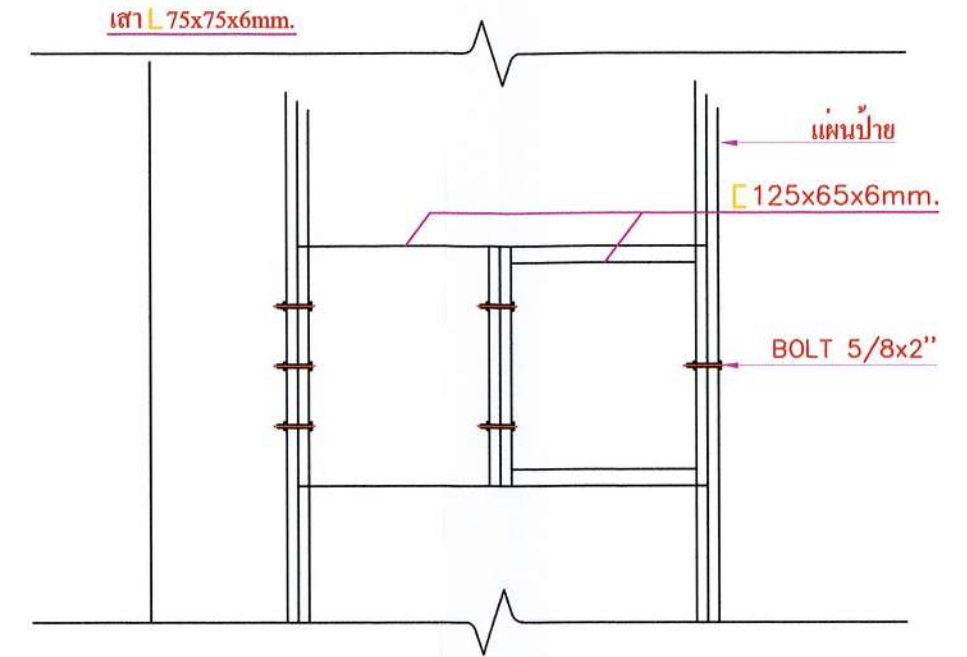
	Contract No.	J.201/2007 L.V. OCTOBER 31, 2007	INTERLINK CONSORTIUM		PROVINCIAL ELECTRICITY AUTHORITY	DETAIL DESIGN DRAWING
	Location	SIRACHA EXTENSION TO KOH SICHANG	DRAWN: M. THIRACHIT		DESIGN AND SERVICE	
	Drawing Title	22KV SUBMARINE CABLE CABLE LANDMARK DETAIL	CHECKED: T. THANA	REVIEWED	APPROVED	
	DATE:	APRIL, 2009	DATE	SCALE	SHEET NO.	DRAWING NO.
					22/23	P805-SUBMARINE-SS-01



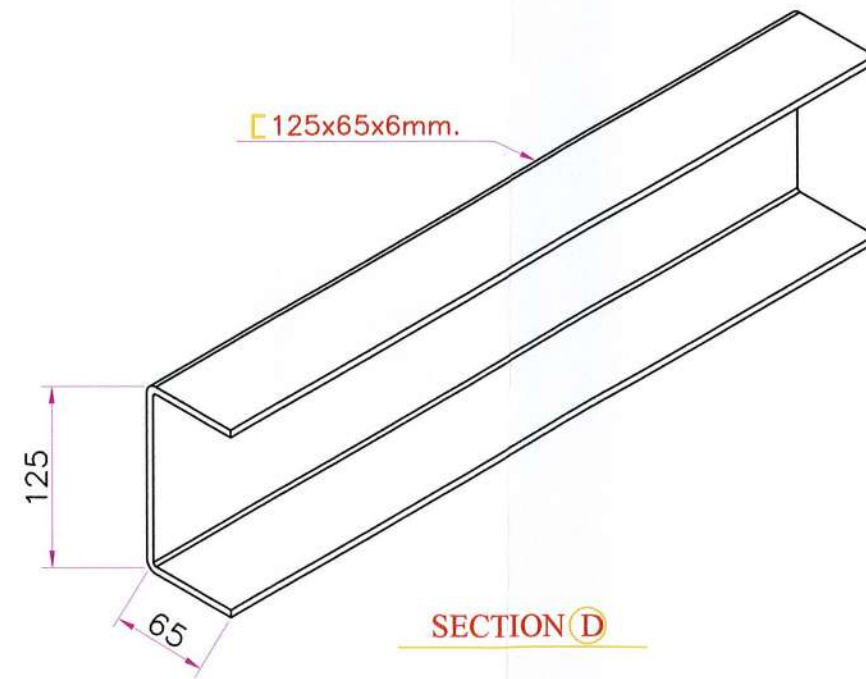
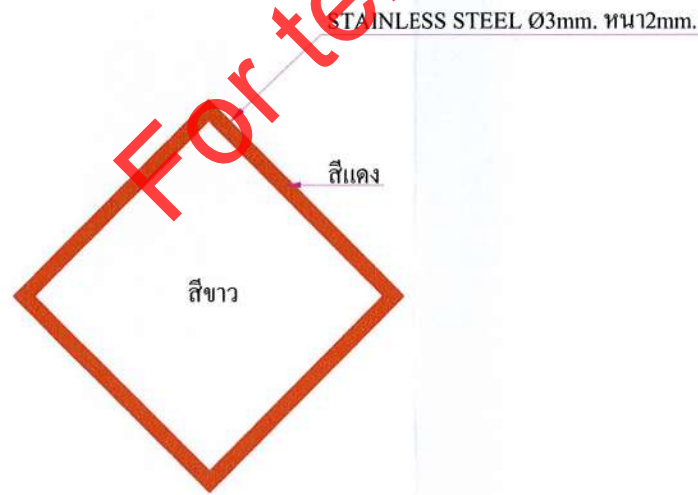
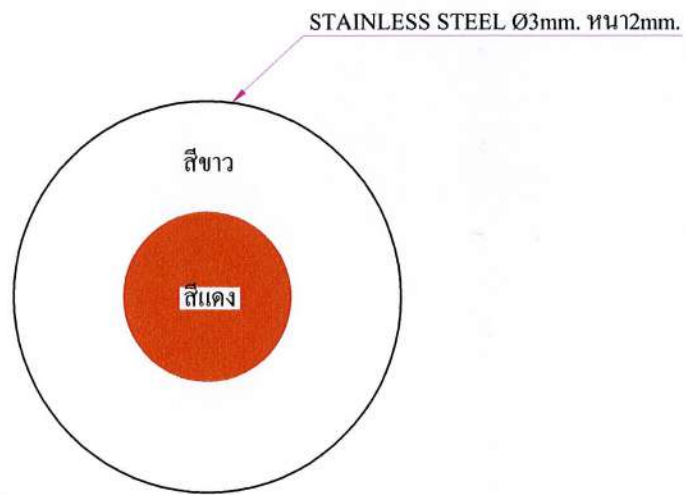
SECTION A



SECTION B

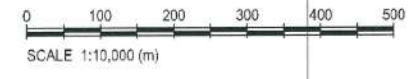
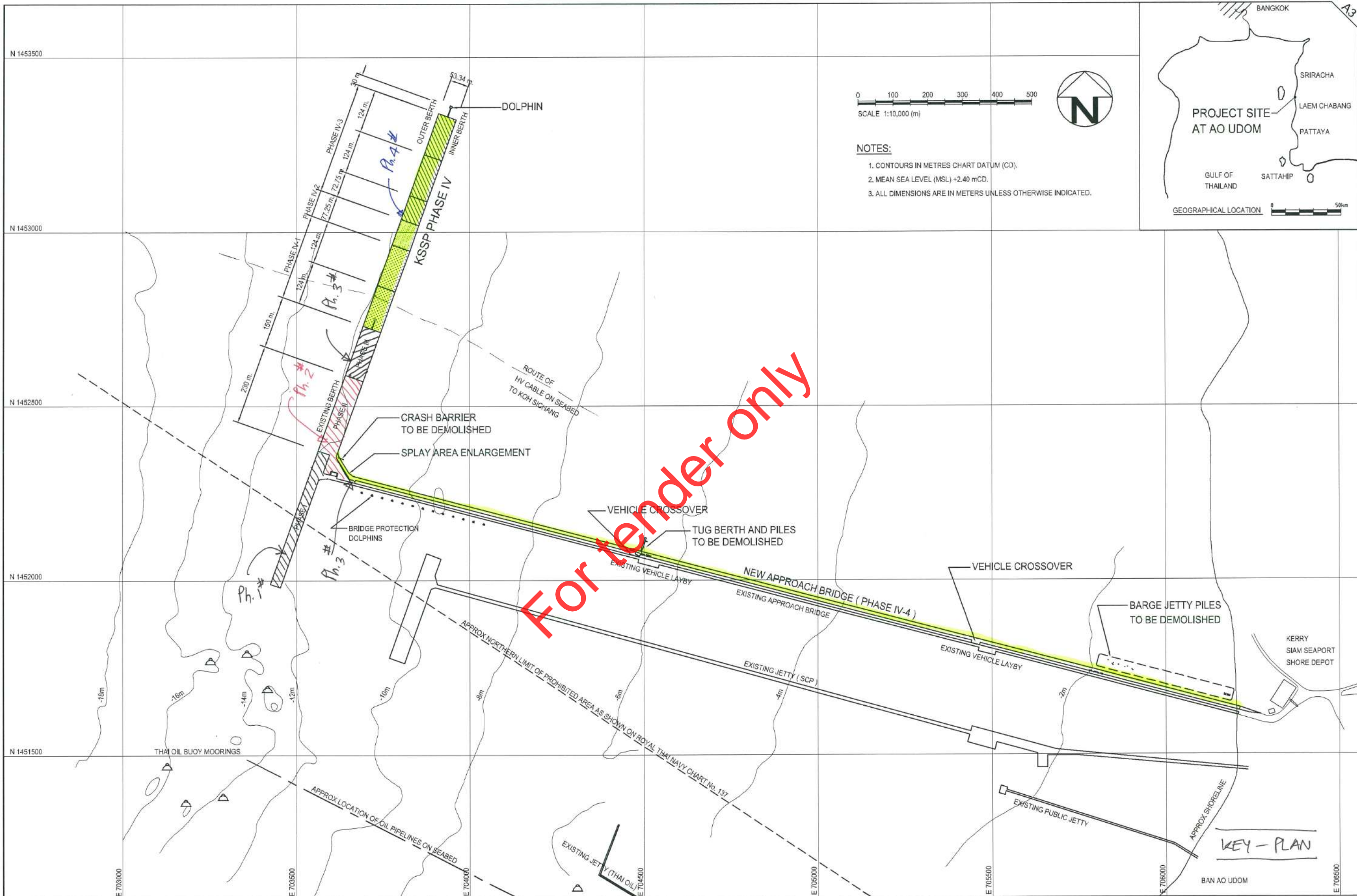


SECTION C

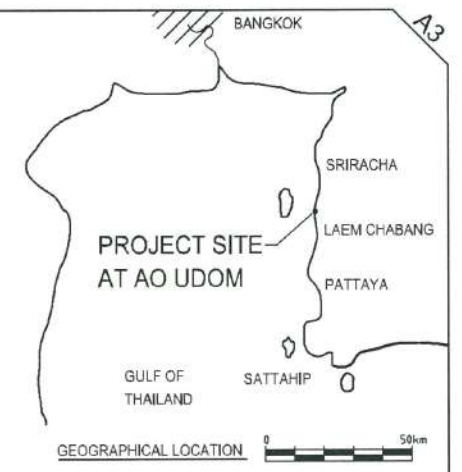


SECTION D

	Contract No.	J.201/2007 LV, OCTOBER 31, 2007	INTERLINK CONSORTIUM		PROVINCIAL ELECTRICITY AUTHORITY	DETAIL DESIGN DRAWING	
	Link:	SIRACHA EXTENSION TO KOH SICHANG	DRAWN: M. THIRACHET		DESIGN AND SERVICE		
	Drawing Title:	22KV SUBMARINE CABLE CABLE LANDMARK DETAIL	CHECKED: T. THANA	DATE: APRIL, 2007	NAME	REVIEWD	APPROVED
					DATE		
					SHEET NO. 23/23	DRAWING NO. PS05-SUBMARINE-SS-01	



- NOTES:**
1. CONTOURS IN METRES CHART DATUM (CD).
  2. MEAN SEA LEVEL (MSL) +2.40 mCD.
  3. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.

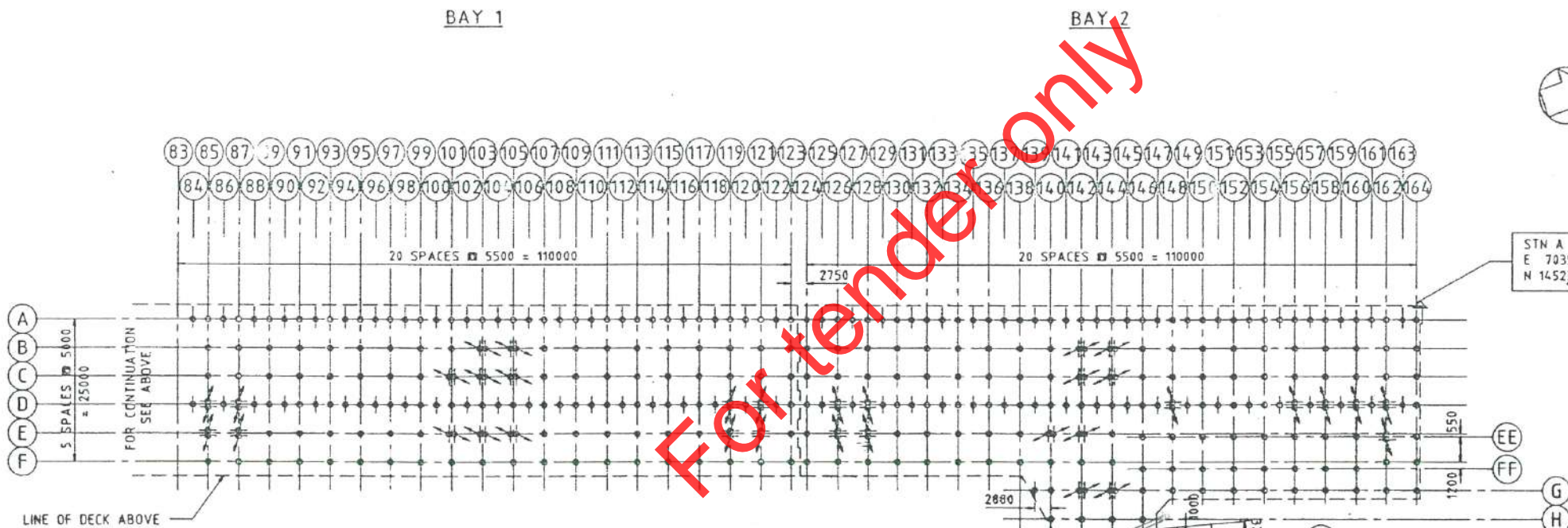
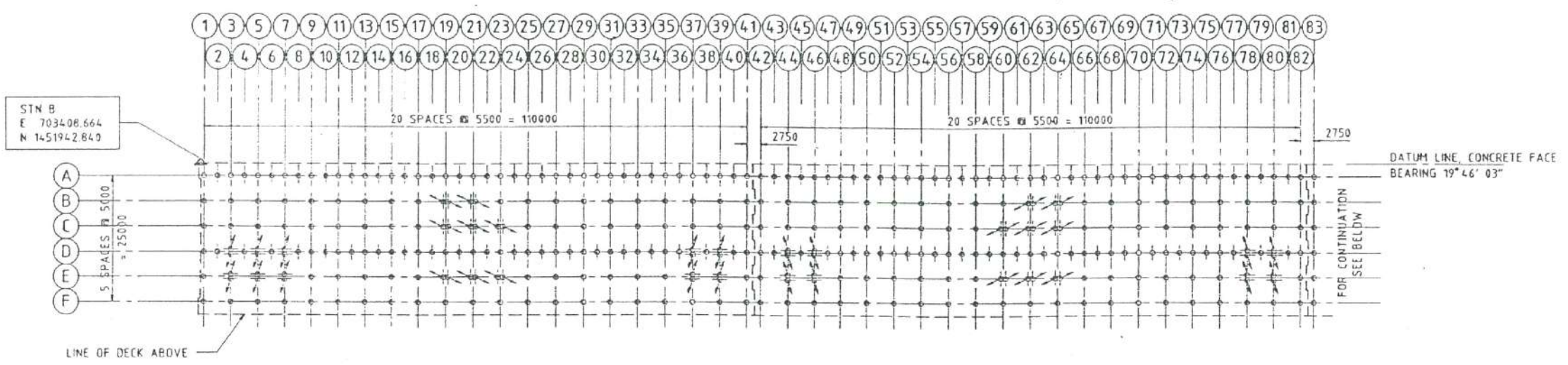


**KEY - PLAN**

CLIENT : BANGKOK OFFICE: 504 9/F Chao Phya Tower, 99 Soi Wat Sun Plu, New Road, Bangkok, Bangkok 10500, THAILAND Tel : +66 (2) 686 8999, Fax : +66 (2) 237 7628-29, E-mail : onestopservices@kerrylogistics.com SRIRACHA OFFICE: 113/1 Moo 1, Tungkuikha, Sriracha, Chonburi 20230, THAILAND Tel : +66 (36) 352 325-29, +66 (36) 352 352, Fax : +66 (36) 352 340	DESIGNER : SPC Building, 1 Soi Chaemchan Sukhumvit 55, Bangkok 10110, Thailand Tel : (66) 2381-7232, (66) 2381-3344 Fax : (66) 2391-2778 Email : smc@smc.co.th	CONTRACTOR : ITALIAN-THAI DEVELOPMENT PUBLIC CO.,LTD. 2034/232-161 ITALIAN TOWER, NEW PETCHBURI ROAD, BANGKOK HUAYKANG, BANGKOK 10320, BANGKOK TEL 716-1800 FAX 716-1486	PROJECT MANAGER Mr.Rattha Nakprada Rattha Nakprada	PROJECT ENGINEER Mr.Kathavuth Deangruethal Kathavuth Deangruethal	ENGINEER Mr.Kathavuth Deangruethal Kathavuth Deangruethal	PROJECT : <b>PHASE IV DEVELOPMENT PROJECT</b>			
						AS-BUILT DRAWING		JOB NO. : 5715	TITLE : <b>BERTH EXTENSION LOCATION PLAN AND SETTING OUT</b>
SCALE : AS SHOWN						DATE : 10-08-2018	FOR TENDER	DRAWING NO. : 5715-TEN-1001	REVISION : 0

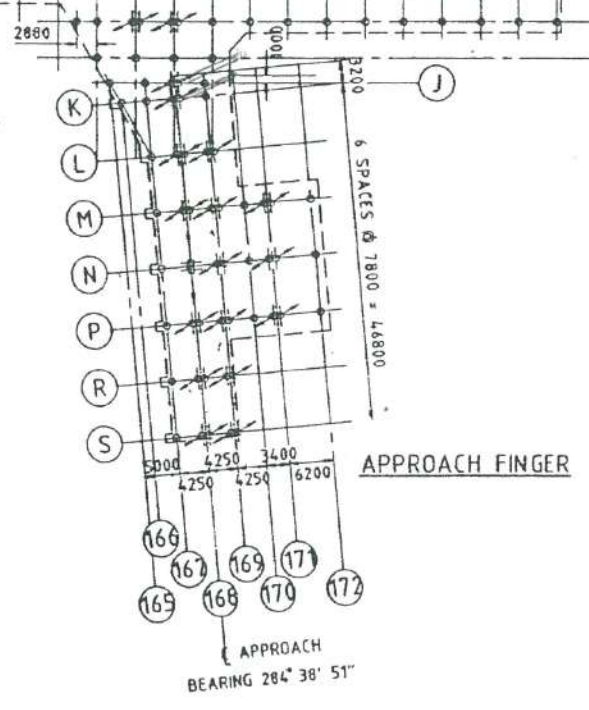
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DRG. No. 233/T/1006



For tender only

PILE LAYOUT PLAN  
1:500



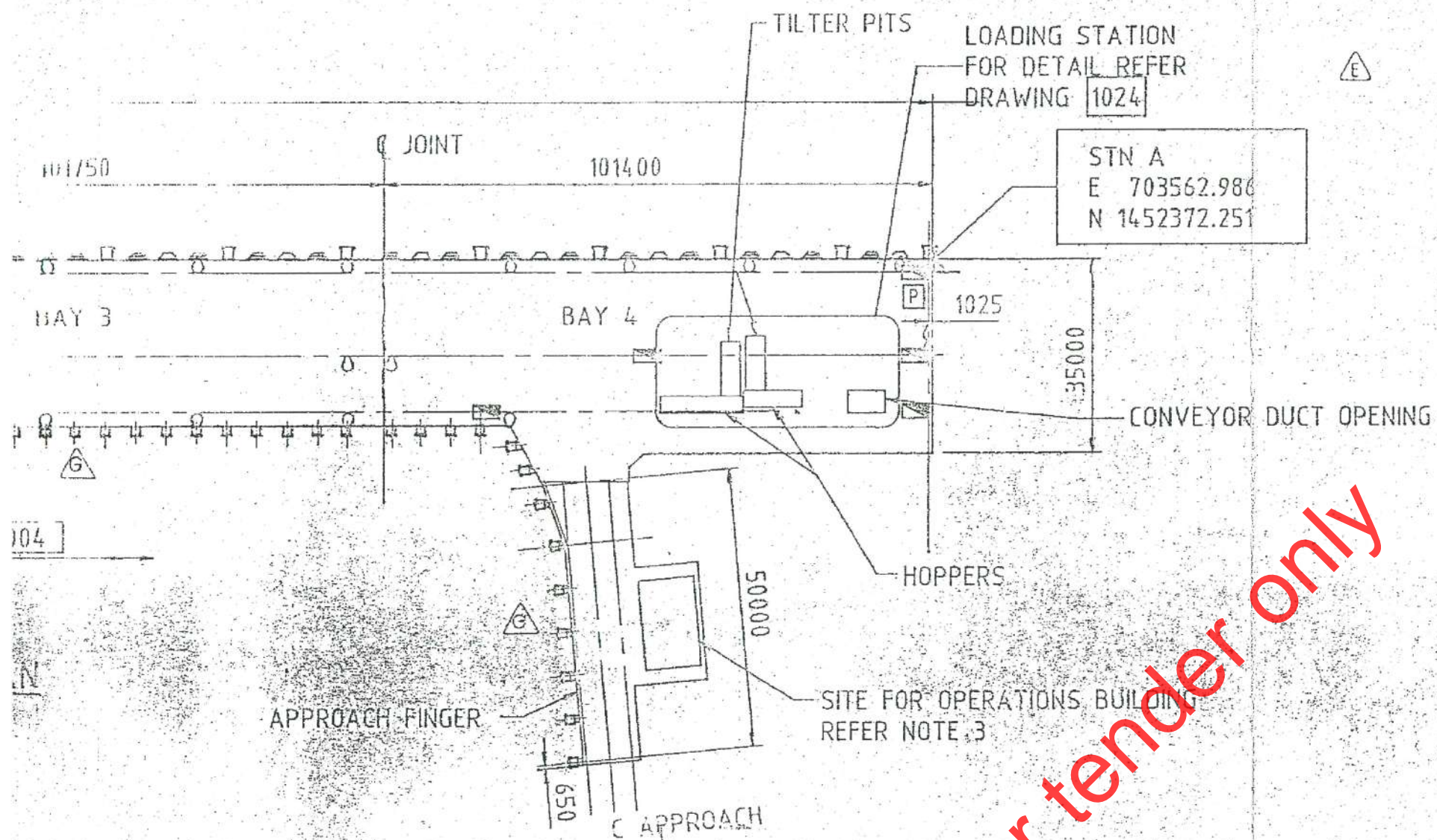
NOTES

1. FOR GENERAL NOTES REFER TO DRAWING 1000
2. VERTICAL PILES ARE SHOWN THUS ○
3. RAKING PILES ARE SHOWN THUS ◐
4. RAKING PILES ARE RAKED AT 1 IN 4 UNLESS NOTED OTHERWISE.
5. RAKING PILE OFFSETS FROM GRID LINES TO BE AS FOLLOWS:  
BERTH STRUCTURE - 15"  
APPROACH FINGER - 18"  
UNLESS SHOWN OTHERWISE
6. ALL PILES ARE 800mm O.D. x 120 THICK PRESTRESSED CONCRETE HOLLOW

REV. DATE	DESCRIPTION	APP'D
B JUN 92	NOTE 6 REVISED	
A 7.2.92	DECK WIDTH AMENDED, LOADING STATION ADDED	
PROJECT: PORT AT AO UDOM SRIRACHA, THAILAND		
CLIENT: SIAM SEAPORT TERMINAL COMPANY LIMITED		
CONSULTANT: SINDHU HAUNDELL CONSULTANTS BANGKOK		
TITLE: BERTH STRUCTURE PILE LAYOUT		
DRAWN: A.HADLEY	SCALE: 1:500	
DESIGNED: S.LEPPERT	CHECKED: B.CARTER	
APPROVED:	DATE: AUG 1991	
DRG. No. 233/T/1006	REV. B	

Ph. #

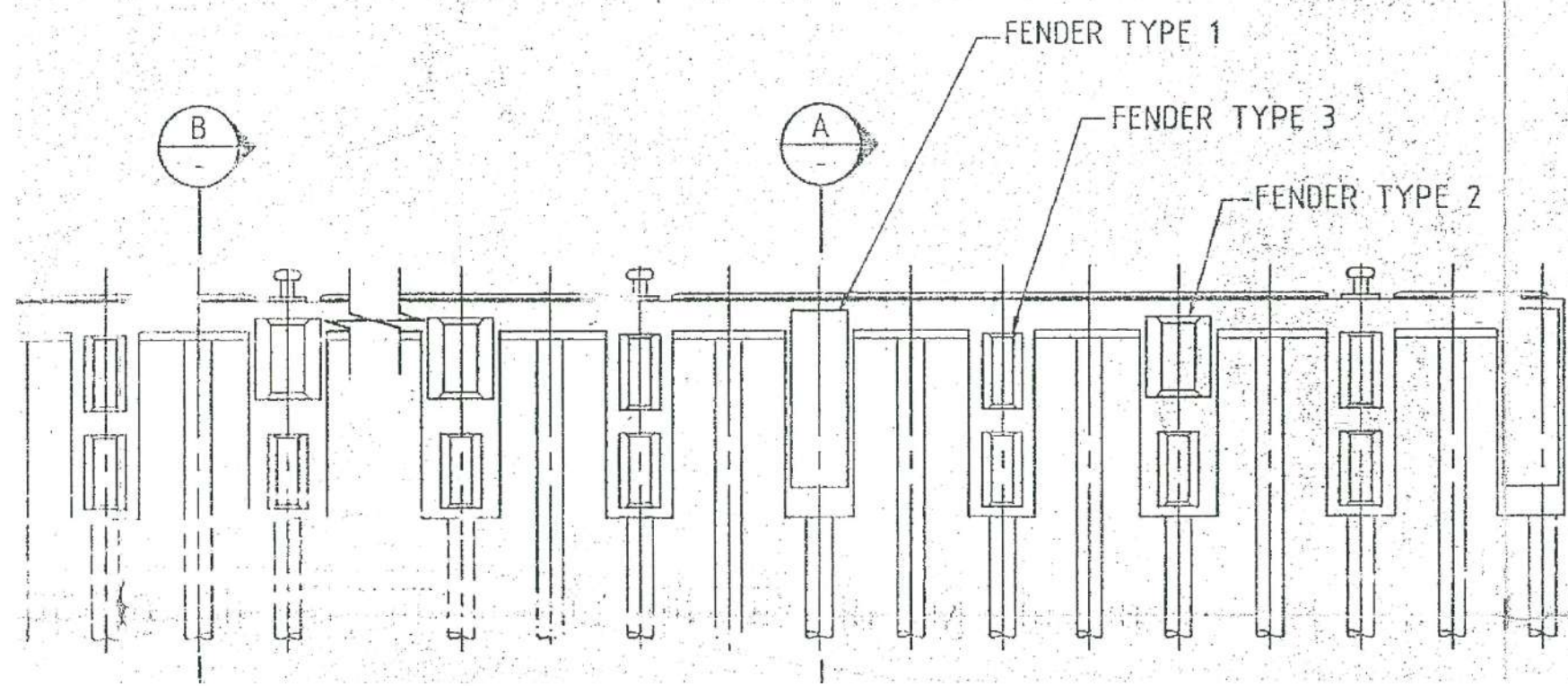




**LEGEND**

- ⊗ DOUBLE BOLLARD
- SINGLE BOLLARD
- ▬ PROVISION FOR BUFFER STOPS AND RECESS FOR FUTURE RAIL
- FENDER TYPE 1
- △ FENDER TYPE 2
- ▲ FENDER TYPE 3
- ⊠ CENTRELINE OF FENDER TYPE 4 CAST IN FITTINGS
- ⊞ PROVISION FOR CRANE POWER OUTLET

- NOTE: 1. SYMBOLS USED ARE NOT TO SCALE
2. REFER DRAWINGS 1003 AND 1004 FOR LOCATION OF ALL FURNITURE SERVICES, FENDERS ETC.
3. THE CONTRACTOR SHALL PROVIDE A BUILDING TO HOUSE ELECTRICAL EQUIPMENT THIS BUILDING SHALL BE DESIGNED BY THE CONTRACTOR AND SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER. IT SHALL BE LOCATED IN THE AREA SET ASIDE FOR THE OPERATIONS BUILDING AND SHALL BE LAID OUT TO ENSURE FUTURE ADDITION OF AN OPERATIONS BUILDING IS NOT COMPROMISED. IT SHALL, IN ITSELF, ALLOW FOR FUTURE ADDITION OF FURTHER ELECTRICAL EQUIPMENT.
4. FOR FENDER DETAILS REFER TO DWG. 1020



For tender only

AS BUILT DRAWING

APPROVED BY:

*[Signature]* LIGHTON