

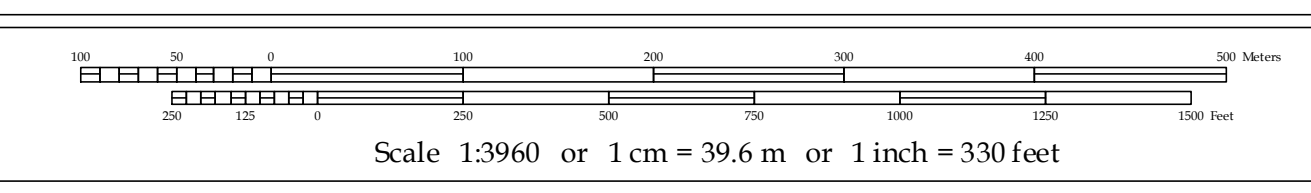


CONSULTANTS

Development Design Consultants Limited
DDC Center, 47 Mohakhali C/A, Dhaka-1212, Bangladesh

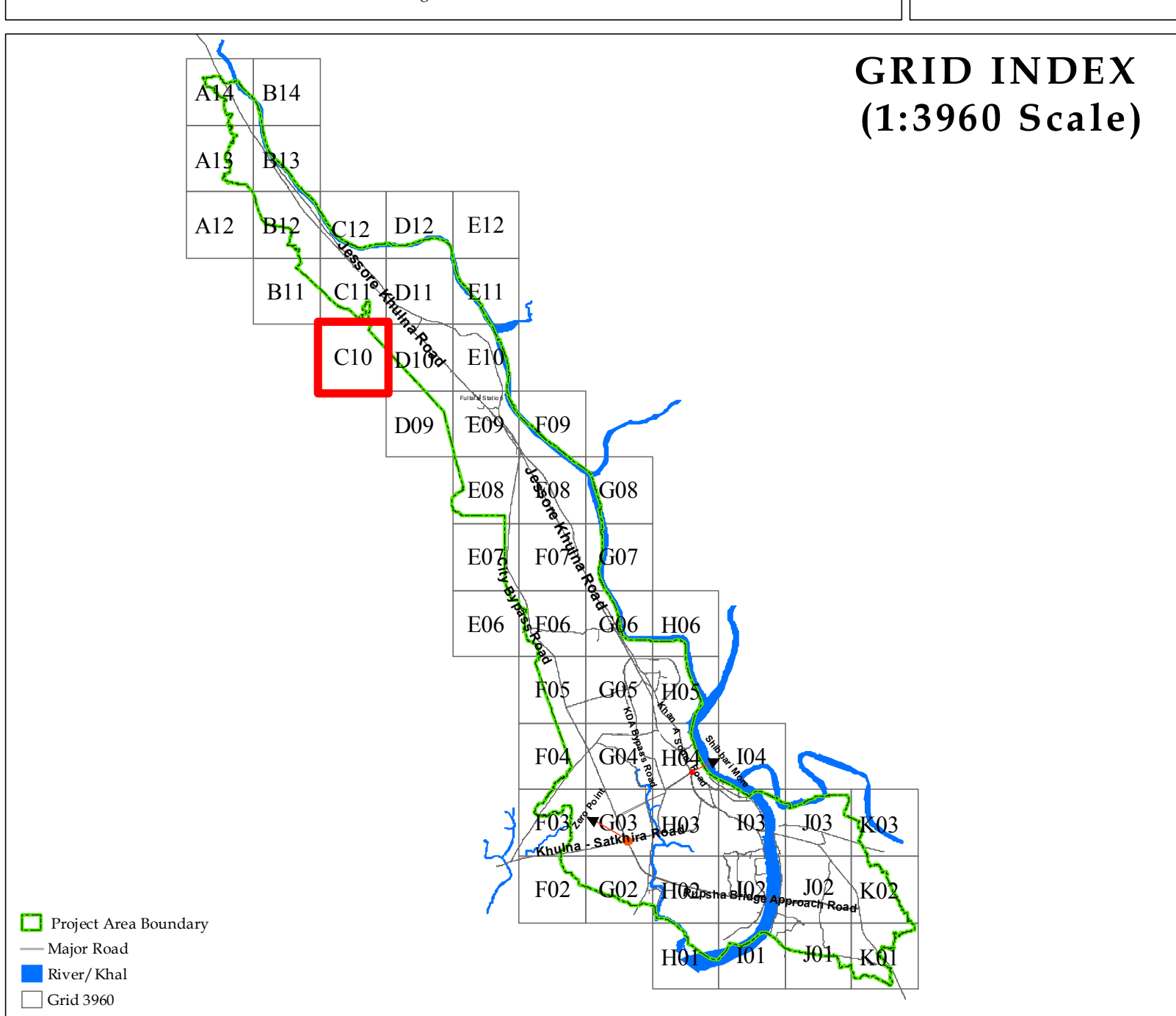
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House No. 25/3, Road No. 15 (Old 29), Shammendi, Dhaka 1209, Bangladesh.

Preparation of Detailed Area Development Plan for Khulna Master Plan (2001) Area Khulna, Bangladesh



Government of the People's Republic of Bangladesh
Ministry of Housing and Public Works

KHULNA DEVELOPMENT AUTHORITY (KDA)
KDA Bhaban, Khulna, Bangladesh



Study Area Boundary	Project Area Boundary	Agriculture	Mixed Use
District Boundary	Mouza Boundary	Transport (RoW)	Recreational Facility
Upazila Boundary	Circulation Network	Commercial	Residential
Union Boundary	Land Acquisition	Education and Research	Restricted Area
City Corporation/Paurashava Boundary	Proposed Services	Government Service	Transport Services
Ward Boundary	Property of Bangladesh Railway	Industry	Service Activity
Proposed Metro Rail	Khal/Canal	Urban Green	Waterbody
Proposed Tramline	Proposed Foot Over Bridge		
Proposed Tunnel	Proposed Railway Bridge		
Plot Boundary (from Mouza Map)	Proposed River Bridge		
Existing Railway			
Proposed Road			
Widened Road			

Data Source
Map contents mainly based on extensive field survey. Topographic, Physical Features and Landuse data as per field survey conducted by dat:Ex survey team using RTK GPS, Total Station and Optical Level under the supervision of PMS and Consultants' Team Members. City Corporation, Paurashava, Ward and Union boundaries have been derive from the secondary source maps of concern authorities.

Projection System: Bangladesh Transverse Mercator (BTM)
Spheroid : Everest 1830
Semi-major axis : a = 6,377,276.34518m
Semi-minor axis : b = 6,356,879.441111m
Inverse flattening : 1/f = 300.8017
False Easting : 500,000m
False Northing : 2,000,000m
Latitude of Origin : 0° N
Central Meridian : 90° E
Scale Factor : 0.9998
Datum Conversion Method : Seven Parameters
Datum Shift : WGS-84 to Everest 1830
Rotation X : 0
Rotation Y : 0
Rotation Z : 0
Translation X : -282.729m
Translation Y : -735.942m
Translation Z : -281.143m
Scale : 1:1 ppm

Reference Bench Mark (BM)
Horizontal (for Latitude & Longitude)
1. SW BM-101: South-west corner of the Nonpara College Playground, Avoyogbari, Nonpara, Jessore.
2. SW BM-102: South-west corner of Bataghata Pilot High School Playground. It is south-west corner of the Bazar and 20m south of Bataghata Upazila Parishad and College, Bataghata, Khulna.
Vertical (for Reduce Level/RL adjustment)
1. SW BM-103: Close to boundary wall of Rupia Railway mosque, 1km east from north-east corner of the mosque, Rupia, Khulna.
2. SW BM-104: 15m east from Galamari Bridge around 2m south side of Khulna-Satkhira road.

Vertical Datum: National Datum i.e. MSL (Sea level reference datum)

Survey Period : February 2011 to June 2012
Date of Map Print : 14 May, 2014

Consultant: DDC-dat:Ex
Client: KDA

Richardson
Team Leader

Project Director