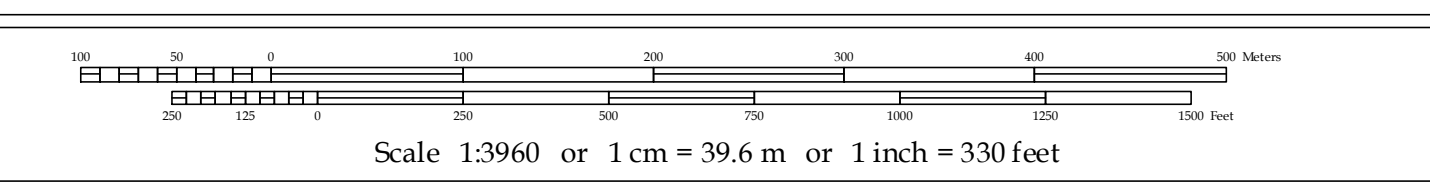


CONSULTANTS

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

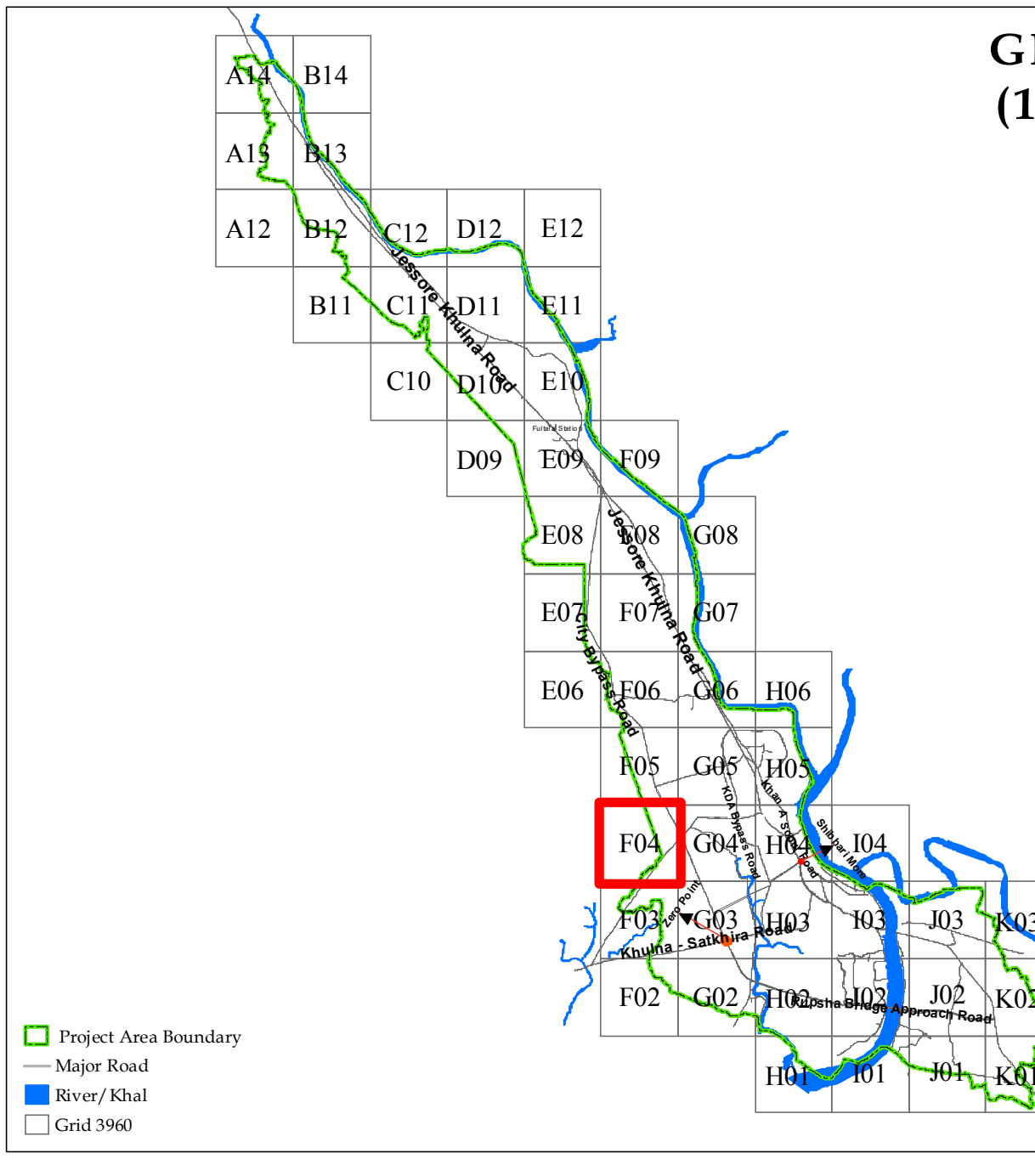
Data Experts (Pvt.) Limited
House No. 25/3, Road No. 15 (Old 29), Dharmendri, Dhaka 1209, Bangladesh.

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



<ul style="list-style-type: none"> Study Area Boundary District Boundary Upazila Boundary Union Boundary City Corporation/Paurashava Boundary Ward Boundary Proposed Metro Rail Proposed Tramline Proposed Tunnel Plot Boundary (from Mouza Map) Existing Railway Proposed Road Widened Road 	<ul style="list-style-type: none"> Project Area Boundary Mouza Boundary Circulation Network Land Acquisition Industry NC Proposed Services Property of Bangladesh Railway Khal/Canal Proposed Foot Over Bridge Proposed Railway Bridge Proposed River Bridge 	<p>Proposed Landuse</p> <ul style="list-style-type: none"> Agriculture Transport (RoW) Commercial Education and Research Government Service Industry Urban Green Mixed Use Recreational Facility Residential Restricted Area Transport Services Service Activity Waterbody
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Data Source
Map contents mainly based on extensive field survey. Topographic, Physical Features and Landuse data as per field survey conducted by staff survey team using RTK GPS, Total Station and Optical Level under the supervision of PMO and Consultants' Team Members. City Corporation, Paurashava, Ward and Union boundaries have been derived 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 = 6,356,575.41111m
Inverse flattening : 1/f = 300.8017
False Easting : 500,000m
False Northing : 200,000m
Latitude of Origin : 0° N
Central Meridians : 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 : -75.942m
Translation Z : -261.143m
Scale : 1:1 ppm
Vertical Datum: National Datum i.e. MSL (Sea level reference datum)

Reference Bench Mark (BM)
Horizontal (for Latitude & Longitude)
1. SBM GPS-02: South-west corner of the Nonpara College Playground, Avoynagar, Nonpara, Jessore.
2. SBM GPS-14: 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 adjustment)
1. SBM BM-1015: Close to boundary wall of Rupia Railway mosque, 1km east from north-west corner of the mosque, Rupia, Khulna.
2. SBM BM-1016: 15m east from Galamati Bridge around 2m south side of Khulna-Satkhira road.

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

Consultant: DDC-datEx
Client: KDA

Team Leader: *Richardson*
Project Director: