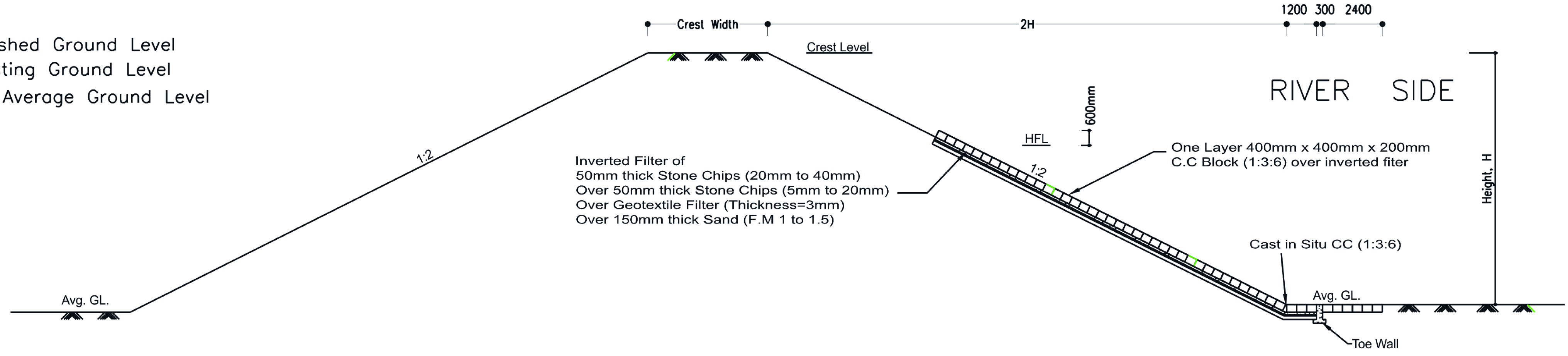


TYPICAL SECTION OF RIVER BANK PROTECTION WORKS

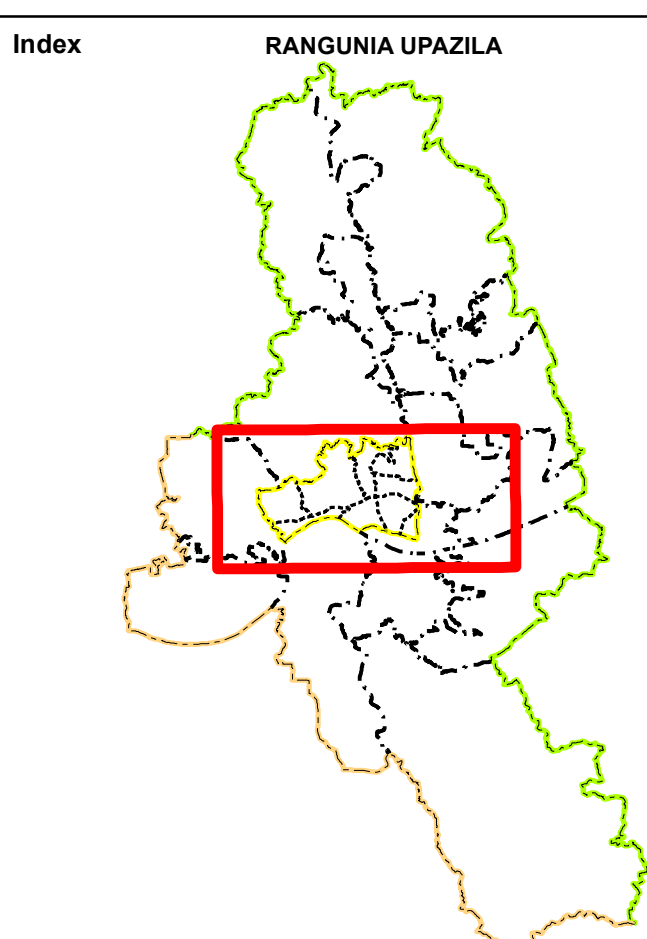
NOTE:

- a. Size and thickness of Protective Works depends on velocity, discharge, scour depth, flood level and silt factor.
- b. Embankment Crest Level, Crest Width, Height, Side Slope will be Finalized during Detailed Design.
- c. Detailed Dimension will be furnished during Detailed Design by the Concerned Department after proper Survey and Investigation

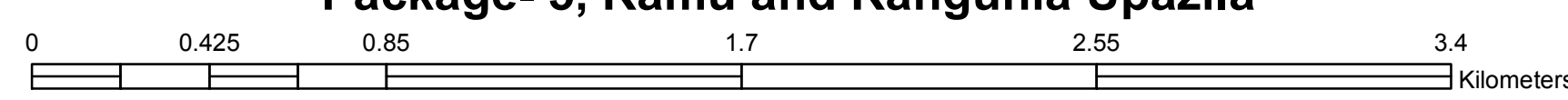
FGL : Finished Ground Level
 EGL : Existing Ground Level
 Avg. GL : Average Ground Level



Typical Section of Embankment Slope Protection Works



**PREPARATION OF DEVELOPMENT PLAN FOR FOURTEEN UPAZILAS
 Package- 5, Ramu and Rangunia Upazila**



Legend

- | | | | |
|-----------------------|---|--|--|
| Administrative | <ul style="list-style-type: none"> — District Boundary — Upazila Boundary — Pourashava Boundary --- Union Boundary Ward Boundary | <ul style="list-style-type: none"> ● Upazila ★ Pourashava ■ Union | <ul style="list-style-type: none"> — River Embankment Alignment |
|-----------------------|---|--|--|

Proposed Prioritized Served Area

- Rangunia Pourashava
- Ward No-02 Betagi Union
 - Ward No-04 Mariamnagar Union
 - Ward No-06 Chandraghona Kadamtali Union
 - Ward No-07

Government of the People's Republic of Bangladesh
Ministry of Housing & Public Works
URBAN DEVELOPMENT DIRECTORATE
 82, Segunbagicha, Dhaka-1000

Data Source
 3D (Stereo) Satellite Imagery (GeoEye-1), November 2014 & RTK-GPS, Total Station based Physical Features, Land Use and Topographic Survey conducted in 2016 by Joint Venture of HCL and DM-Watch.
 Reference BM SOB Pillar No. GPS 268 and GPS 6006
 Coordinate System: Bangladesh Universal Transverse Mercator (BUTM2010)
 Projection Parameters: Spheroid: WGS 1984 Datum: WGS 1984 Projection: Transverse Mercator
 Angular Unit: Degree False Easting: 500000.0 False Northing: 0.0 Central Meridian: 90.0 Scale Factor: 0.9996 Latitude of Origin: 0.0 Linear Unit: Meter

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 Disaster Management Watch