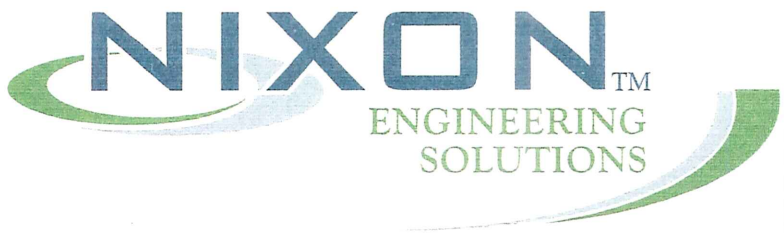


Attachment 15A – Flood Elevation Letter

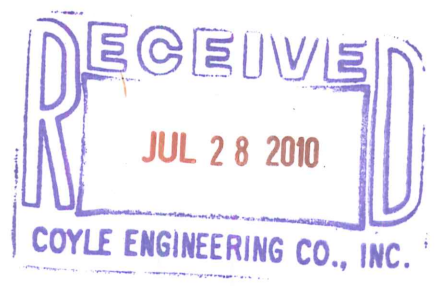
Natchitoches Parish Port
NorthPort Tract



Job # 110060



July 20, 2010



Charlie Coyle, PLS
Coyle Engineering Company, Inc
3925 Benton Road
Bossier City, LA 71111

Re: Natchitoches Port BFE Study

Dear Charlie,

I have completed the hydrologic, hydraulic, and mapping portions of the Natchitoches Port BFE study. The survey sections and pictures you provided were used along with LIDAR information to create a new HEC-RAS model for Bayou Bourbeaux from US 71 to the downstream limit of detailed study. The initial modeling approached the work as a traditional stream with branches. However this model did not prove to be a valid model since the water surface reached an elevation higher than could be contained. An alternate modeling approach was then used; this approach took sections across the entire basin from the Red River Levee to the high ground in the east. The results of this model place the BFE at the port's Charles R. Cotton tract at 117.4 feet. Copies of both model methods and the original Duplicate Model are included on the enclosed CD.

The proposed BFE's were then mapped on the AutoCad file also included on the CD.

My recommendation for your client is that they proceed with the next step in completing the needed LOMR forms and narrative. Should you need any help with this process please do not hesitate to contact this office.

Sincerely,

Kurt M. Nixon, P.E.

Attachments

C:\Projects\0001 - Coyle\2010\001-Natchitoches Port\Natchitoches Port Letter.docx

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