



TIRZ 17 BOARD MEETING

Briar Branch (W140-01-00) Channel & Straws Improvements

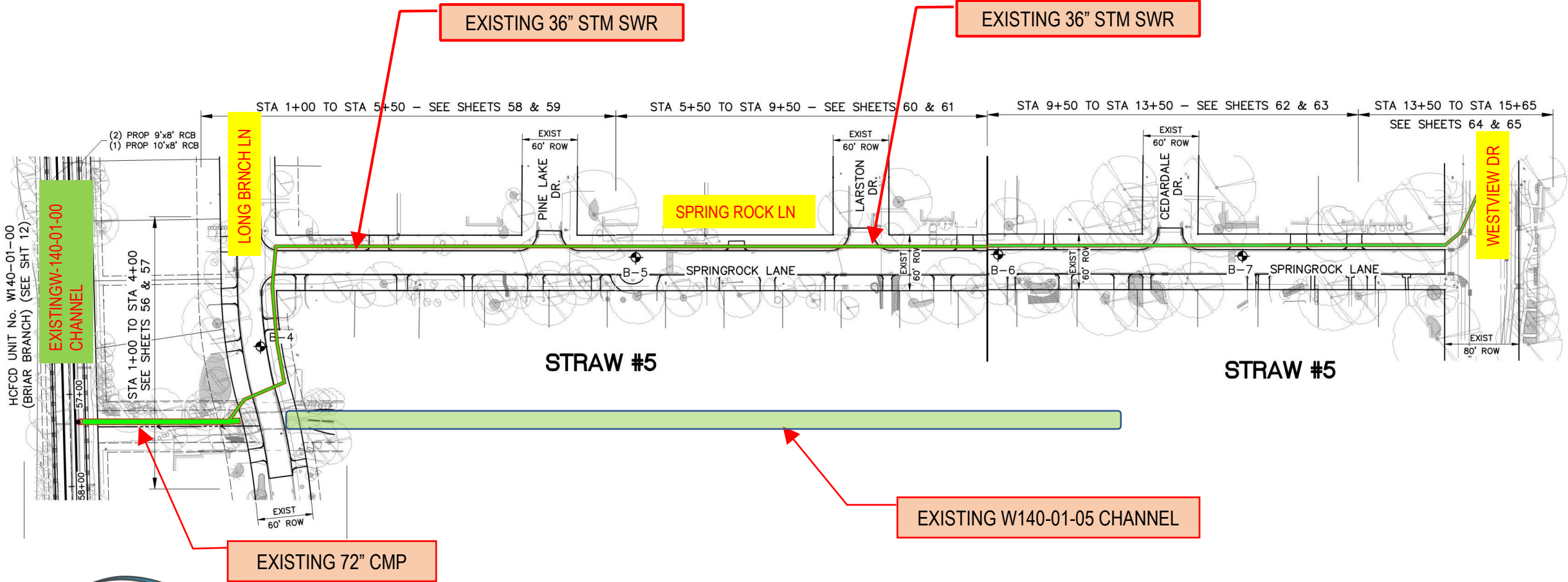
WBS No. N-T17000-0018-3

T-1734 & T-1734B

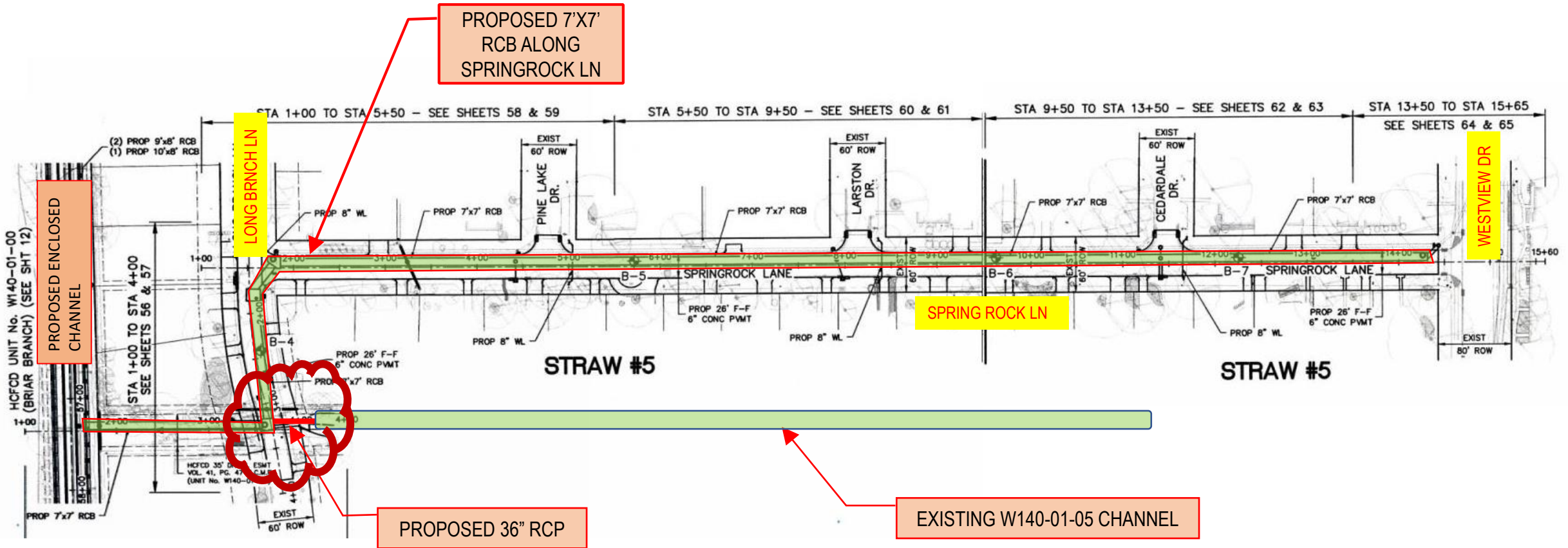
September 24, 2019



EXISTING CONDITIONS



APPROVED ENGINEERING DESIGN





BEFORE



AFTER

CHANNEL CROSSING AT LONG BRANCH LN

Options

1. Complete the project as designed

- Finalizing headwall and wingwall for 36" culvert
- Permanent roadway pavement on Long Branch

2. Enlarge 36" culvert to 72" culvert to match existing conditions

- Analysis demonstrates that this can be done without impacts
- Analysis demonstrates that the change has no net benefit
- Increase to 72" necessitates a safety end treatment to prevent entry into enclosed system
- Total estimated change order cost: \$225K





QUESTIONS

RPS klotz associates

TIRZ 17 REDEVELOPMENT AUTHORITY
Briar Branch Channel & Straws
Drainage Impact Analysis for Final Design
CIP Nos. T-1734 and T-1734B



Ali Keyvani
8/24/2017

Prepared by

RPS klotz associates

1160 Dairy Ashford, Suite 500
Houston, Texas 77079
P.E. Firm Registration No. F-929

RPS Klotz Associates Project No. 1111.002.000

August 2017

rpsgroup.com

Impact Analysis Report by RPS

December 28, 2017

Mr. William Conlan, P.E.
RPS/Klotz Associates
1160 Dairy Ashford, Suite 500
Houston, Texas 77079
Natalie.weiershansen@klotz.com

SENT VIA ELECTRONIC MAIL: NO HARD COPY TO FOLLOW

RE: Project No. 1612270026
TIRZ 17 Briar Branch Channel Improvements
HCFCD Unit W140-01-00; Key Map 450; Pct. 4

Dear Mr. Conlan:

The referenced report has been reviewed pursuant to the HCFCD Policy, Criteria, and Procedure Manual and Section 3.02 of the "Regulations of Harris County, Texas for the Approval and Acceptance of Infrastructure." The goals of the review are to provide technical support to the Harris County Floodplain Administrator and to apply HCFCD policy and criteria where appropriate.

This review addresses issues regarding hydraulic and hydrologic drainage design criteria only. Design criteria regarding the site layout of the proposed development and drainage facilities will be reviewed upon submittal of site plans.

Our understanding of the report is described below. Please see the response contained within the "Hydrologic & Hydraulic Technical Review" section.

HCFCD Jurisdiction

The project meets at least one of the following conditions; HCFCD criteria apply:

- The project directly affects HCFCD Infrastructure.
- The project proposes infrastructure to be maintained by HCFCD.
- The project is located within a watershed where HCFCD has a regional project adopted by Harris County Commissioners Court.
- A technical review has been requested by Harris County.

Submittal Information

Submitted Report

TIRZ 17 Briar Branch
Channel Improvements
December 7, 2017

Consulting Engineer

RPS/Klotz Associates
1160 Dairy Ashford, Suite 500
Houston, Texas 77079
TBPE Registration No. F-929
Ali Keyvani, P.E.
TX P.E. 123443



9900 Northwest Freeway
Houston, Texas 77092
713-684-4000
www.hcfcd.org

HCFCD Report Approval Letter

