



# City of League City, TX

300 West Walker  
League City TX 77573

## Text File

File Number: 13-0865

**Agenda Date:** 3/12/2013

**Version:** 1

**Status:** Consent Agenda

**In Control:** Public Works

**File Type:** Agenda Item

**Agenda Number:** 10F.

### Title

Consider and take action on a proposed revised schematic plan for the Calder Road - Ervin to League City Parkway Project ST1002 (Assistant City Manager, Public Works)

Staff recommends approval.

### ..Background:

This is a joint project between the City and Galveston County. The County is to be responsible for the design and a portion of the construction (up to approximately \$3,038,000) while the City will be responsible for obtaining required right-of-way and covering design and construction costs that exceed the County's commitment. The project will convert Calder Road from an open ditch, rural roadway to a 3-lane concrete curb and gutter roadway. Roadway storm water run-off, detention and conveyance will be contained within a pipe system located under the new pavement, with behind the curb swales to catch run-off from the abutting private properties. The typical pavement section will have two travel lanes and a center turn lane (similar to the existing pavement section between IH45 and FM518). Sidewalks on both sides of the pavement were to be included. A 30-inch sanitary sewer line is to be installed along the east side of Calder, to be bid as part of the project, with laterals to be extended from the east side, under Calder, to its west side. The preliminary design by Dannenbaum Engineering indicated that an 80-foot right-of-way would be needed which would require 35 parcel takings.

At the public meeting held in October of 2012, the citizens made it clear that they wanted to reduce the amount of right-of-way takings, particularly along the west side of the project at its northerly end, so as to mitigate potential damages to existing mature trees. The citizens were amenable to reducing the amount of proposed sidewalks if it meant less impact on right-of-way takings and on the trees. Citizens also expressed their concerns about long-term mobility issues along League City Parkway in this area, particularly at its intersections with Calder Road and Butler Road.

In order to address the citizen's concerns, staff requested that Dannenbaum look into: (1) eliminating a portion of the sidewalk along the west side of Calder, particularly along the project's northerly portion; (2) reducing the sidewalk width along the project's easterly side; (3) reducing the travel lane widths along the project's northerly end from 12-feet to 11-feet; (4) shifting the entire pavement section to the east along the project's northerly end; and (5) developing a roundabout option for the Calder Road-Turner Road intersection.

The various exhibits attached were prepared by Dannenbaum in response to staff's request. If implemented, the right-of-way taking along the west side of Calder (along the northerly end of the project, but south of Turner Road) would be reduced from 15 feet to 5 feet, making that portion of Calder Road a 70-foot right-of-way instead of 80 feet. The roundabout configuration helps to shift the Calder Road pavement section to the east and provides an additional long-term mobility improvement option. Additional right-of-way will be required for the roundabout option.

Staff requests Council's approval of these schematic changes along with authorization to inform the

County that the City is willing to pay for the additional design service and construction costs (if any) associated with the changes generated from the public meeting. Currently, sufficient funds exist to move forward to complete the design and acquire the right-of-way. Funding for construction is to be discussed as part of the FY 2014 budget development process.

FUNDING

NOT APPLICABLE

Funds are available from Account # \_\_\_\_\_

Requires Budget Amendment to transfer from Account # \_\_\_\_\_ to  
Account # \_\_\_\_\_





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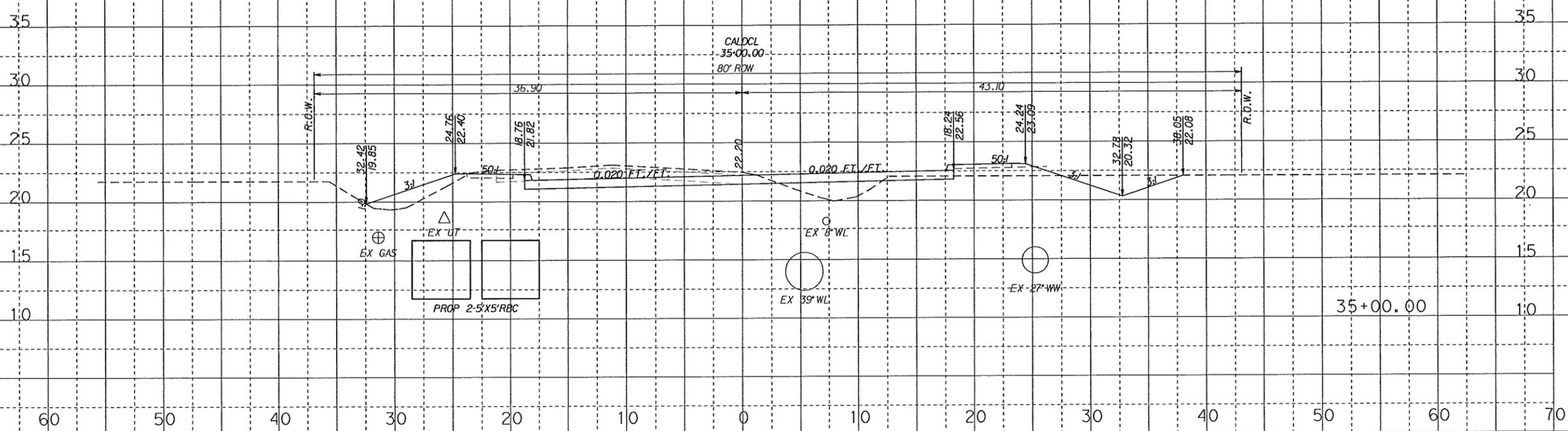
FUNDING

NOT APPLICABLE

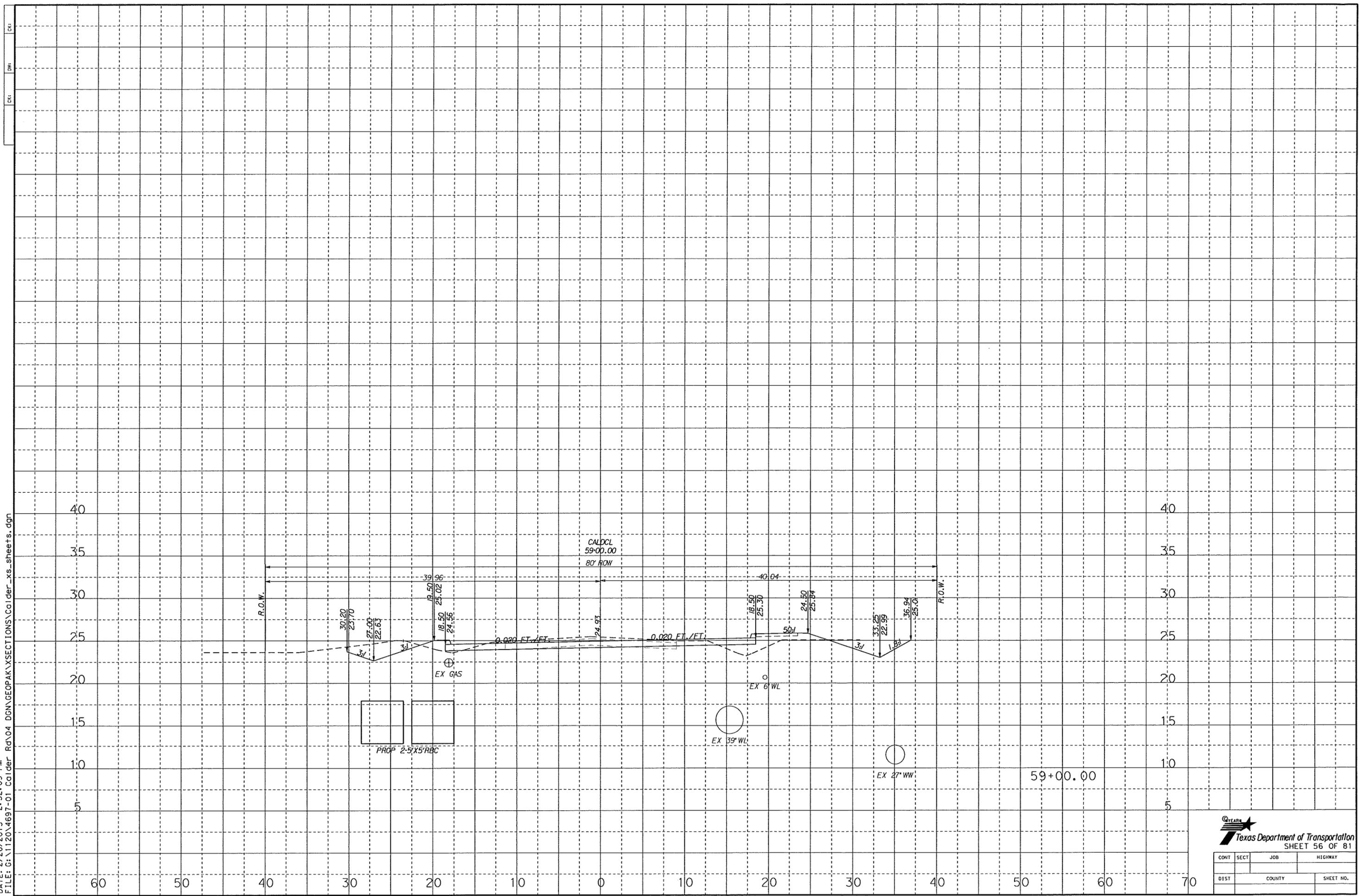
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Requires Budget Amendment to transfer from Account # \_\_\_\_\_ to  
Account # \_\_\_\_\_

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DATE: 2/26/2013 2:52:09 PM  
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 Texas Department of Transportation  
 SHEET 56 OF 81

CONT	SECT	JOB	HIGHWAY
DIST	COUNTY		SHEET NO.

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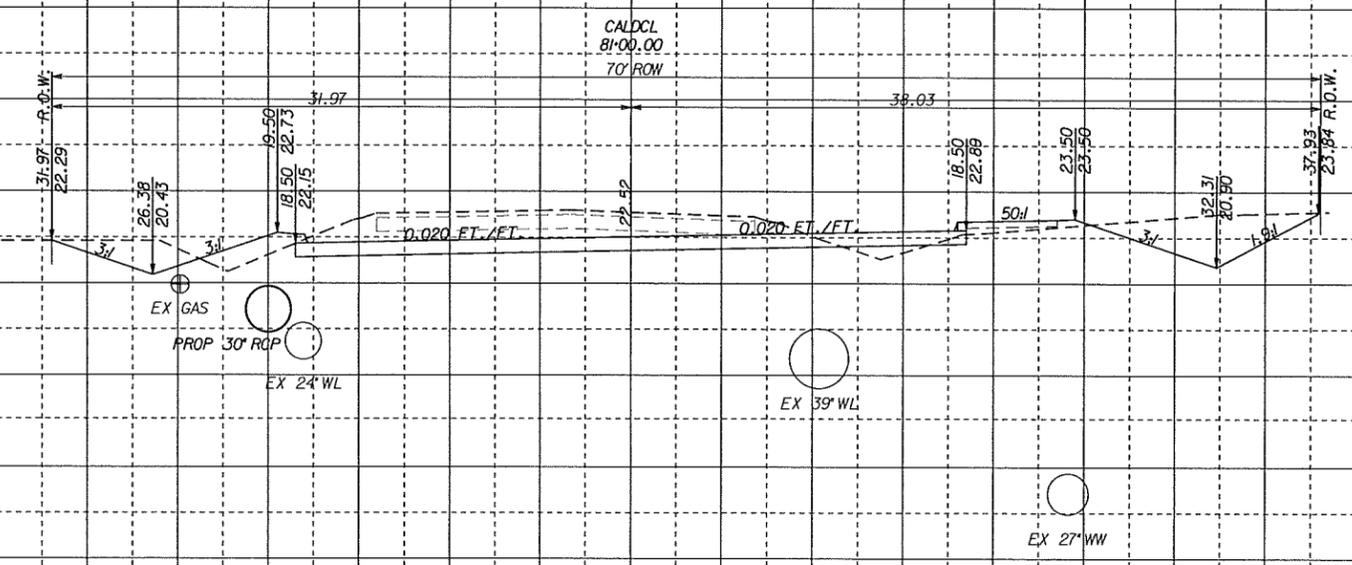
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 CK:      CK:  
 DWT:     DWT:

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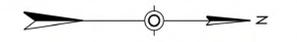
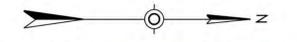
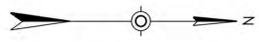
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81+00.00



**TEXAS**  
 Texas Department of Transportation  
 SHEET 78 OF 81

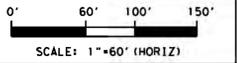
CONT	SECT	JOB	HIGHWAY
DIST	COUNTY		SHEET NO.



**DANNENBAUM**  
ENGINEERING CORPORATION  
210 WEST ALABAMA HOUSTON, TX 77001 (713) 550-8870



Calder Road from Magnolia Bayou to Turner Road  
SHEET 1 OF 2

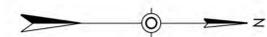


PRELIMINARY

**DANNENBAUM**

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Calder\_Aerial\_Sch2.dgn 2/26/2013 3:17:07 PM



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 DEGREE OF CURVE = 0° 22' 53.45"  
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 LENGTH = 275.30  
 RADIUS = 15,018.00  
 PO STATION = 50+23.47  
 PT STATION = 52+98.77

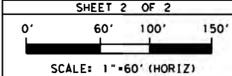
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 RADIUS = 14,982.00  
 PC STATION = 56+23.90  
 PT STATION = 58+98.58



**DANNENBAUM**  
 ENGINEERING CORPORATION  
TEX. REG. REGISTRATION #102  
 310 WEST ALABAMA HOUSTON, TX 77006 (713) 520-8870



Calder Road from Magnolia  
 Bayou to Turner Road  
 SHEET 2 OF 2



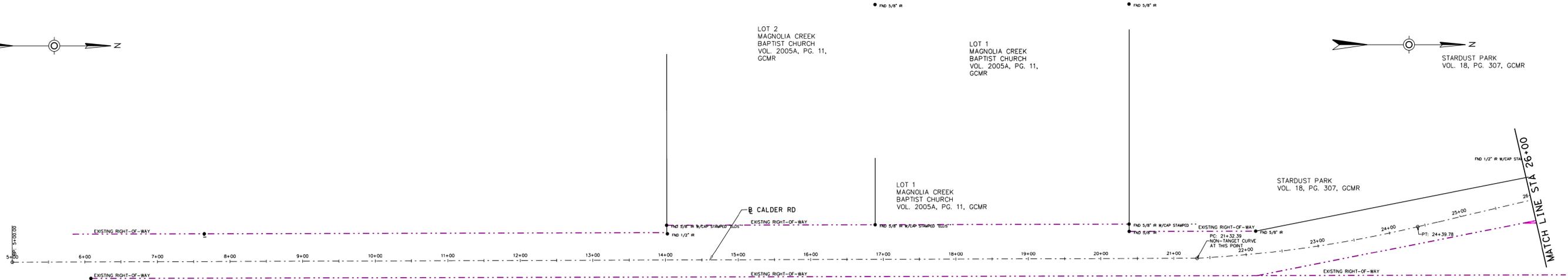
PRELIMINARY

**DANNENBAUM**

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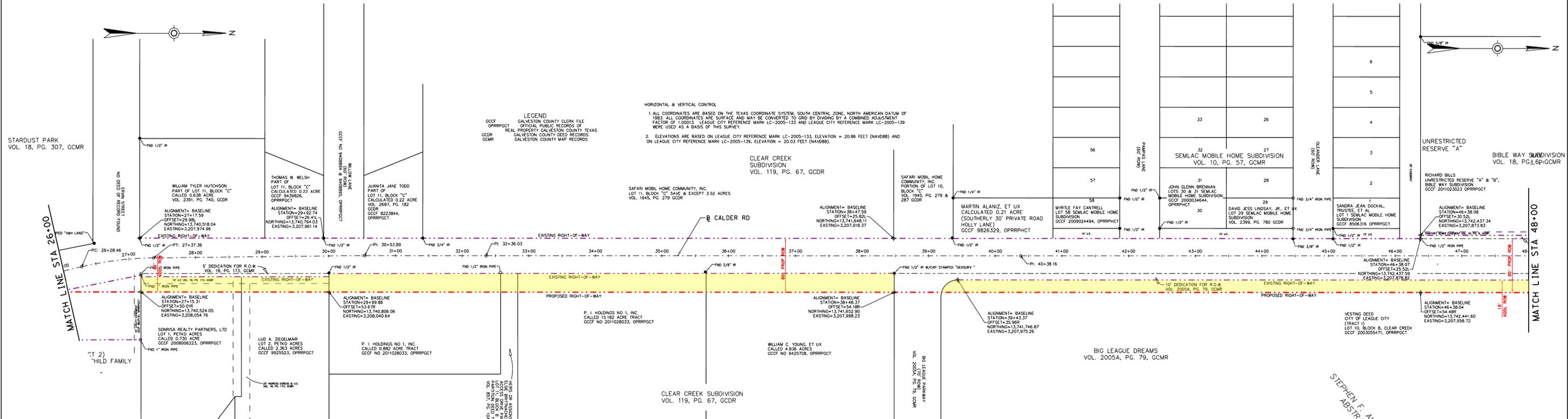
PROP ROW (TO BE ACQUIRED)



PERRY & AUSTIN SURVEY,  
ABSTRACT NO. 19

CALLED 88.1129 ACRES (TRACT 2)  
JOSEPH B. & SARAH J. ROTHCHILD FAMILY  
LIMITED PARTNERSHIP #4  
GCCF NO 2004031892, OPRRPCT

CALLED 88.1129 ACRES (TRACT  
JOSEPH B. & SARAH J. ROTHCHILD  
LIMITED PARTNERSHIP #4  
GCCF NO 2004031892, OPRRPCT



LEGEND  
GCCF GALVESTON COUNTY CLERK FILE  
OPRRPCT OFFICIAL PUBLIC RECORDS OF  
GCCDR REAL PROPERTY GALVESTON COUNTY TEXAS  
GCCMR GALVESTON COUNTY DEED RECORDS  
GCCM GALVESTON COUNTY MAP RECORDS

HORIZONTAL & VERTICAL CONTROL  
1. ALL COORDINATES ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983. ALL COORDINATES ARE SURFACE AND MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.00033. LEAGUE CITY REFERENCE MARK LC-2005-133 AND LEAGUE CITY REFERENCE MARK LC-2005-139 WERE USED AS A BASIS OF THIS SURVEY.  
2. ELEVATIONS ARE BASED ON LEAGUE CITY REFERENCE MARK LC-2005-133, ELEVATION = 20.86 FEET (NAVD88) AND ON LEAGUE CITY REFERENCE MARK LC-2005-139, ELEVATION = 20.03 FEET (NAVD88).

**BASELINE**  
PROFESSIONAL SURVEYORS  
1702 96th STREET, SUITE 100, LEAGUE CITY, TEXAS 77506  
PH: 281-336-1111 FAX: 281-336-1112  
WWW.BASELINE-SURVEYS.COM

**DANNENBAUM**  
ENGINEERING CORPORATION  
1212 E. FISH REGISTRATION 8322  
310 WEST ALABAMA HOUSTON, TX 77058 (713) 520-9570

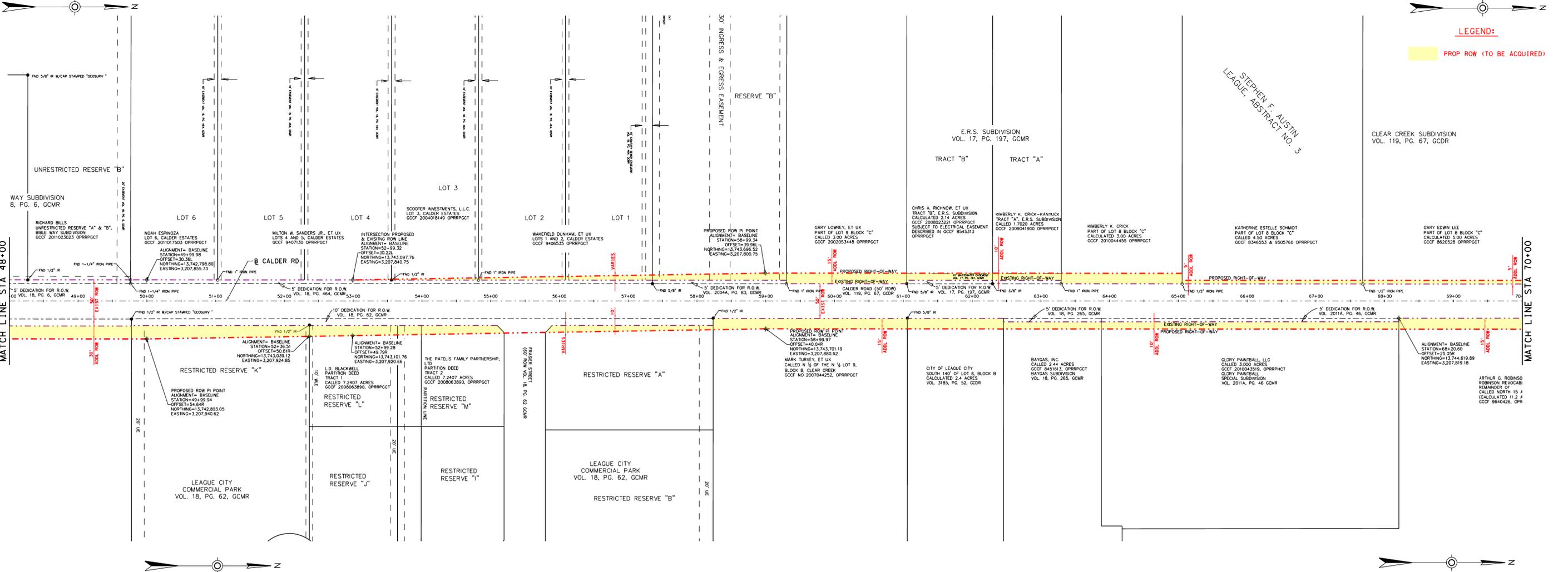
**LEAGUE CITY**  
TEXAS  
LIVE IT. LOVE IT.  
Calder Road from Magnolia  
Bayou to Turner Road  
SHEET 1 OF 2

SCALE: 1"=60' (HORIZ)

PRELIMINARY

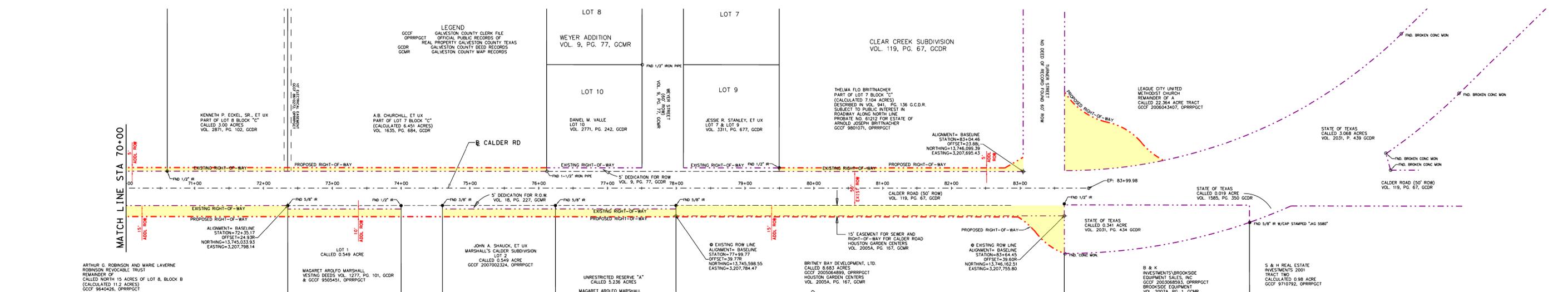
**DANNENBAUM**

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2/26/2013 3:31:06 PM  
TIME: 3:31:06 PM



**LEGEND:**  

 PROP ROW (TO BE ACQUIRED)



**BASLINE**  
 PROFESSIONAL SURVEYORS  
 1702 SEASIDE DRIVE, SUITE 400, HOUSTON, TEXAS 77058  
 (713) 865-1111

**DANNENBAUM**  
 ENGINEERING CORPORATION  
 T.E.P.E. FIRM REGISTRATION #102  
 3110 WEST ALABAMA, HOUSTON, TX 77058 (713) 520-9970

**LEAGUE CITY**  
 TEXAS  
 LIVE IT. LOVE IT.  
 Calder Road from Magnolia  
 Bayou to Turner Road  
 SHEET 2 OF 2

0' 60' 100' 150'  
 SCALE: 1"=60' (HORIZ)

**PRELIMINARY**

**DANNENBAUM**