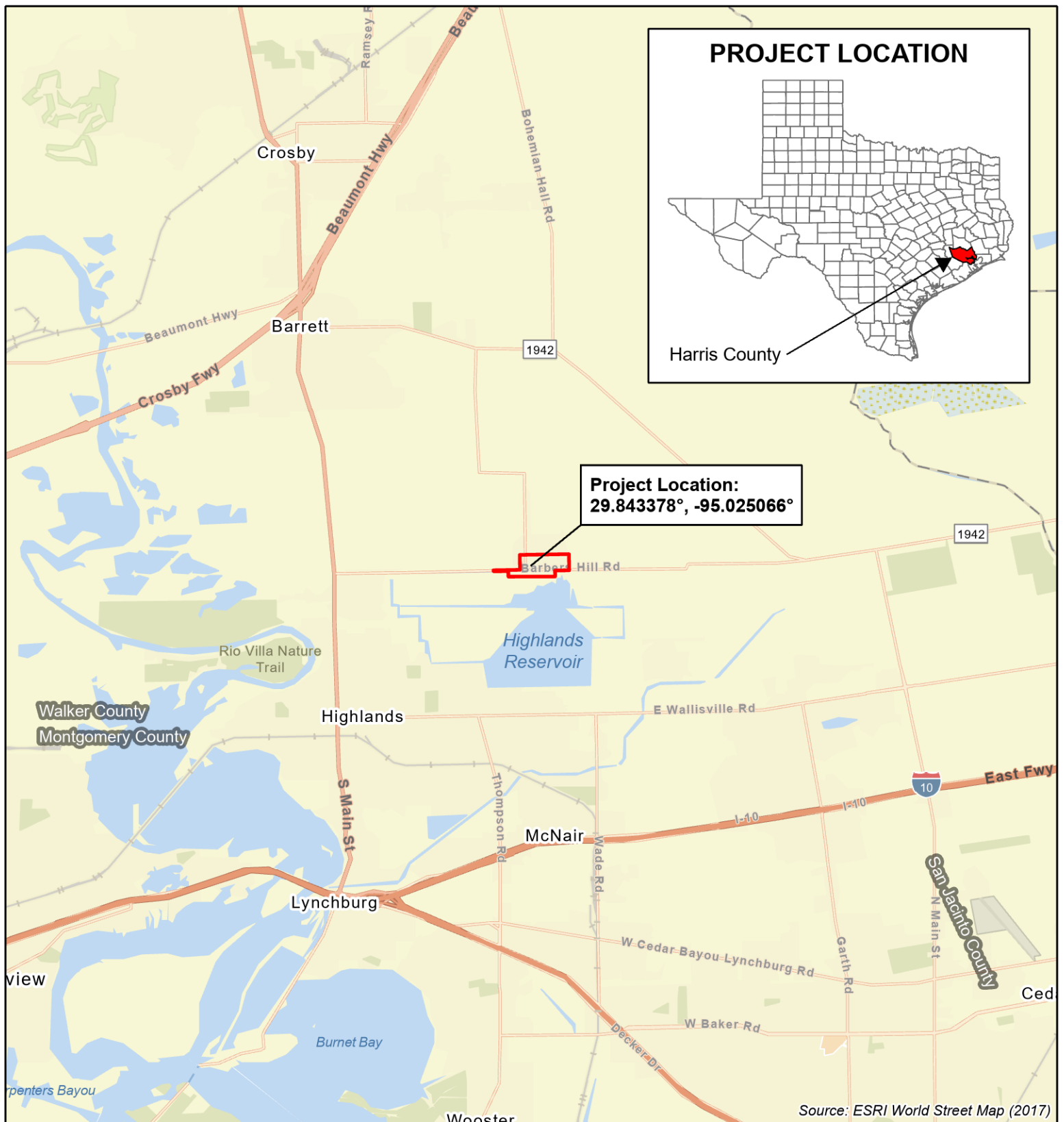




Legend

Project Area



0 0.5 1 2 3 Miles

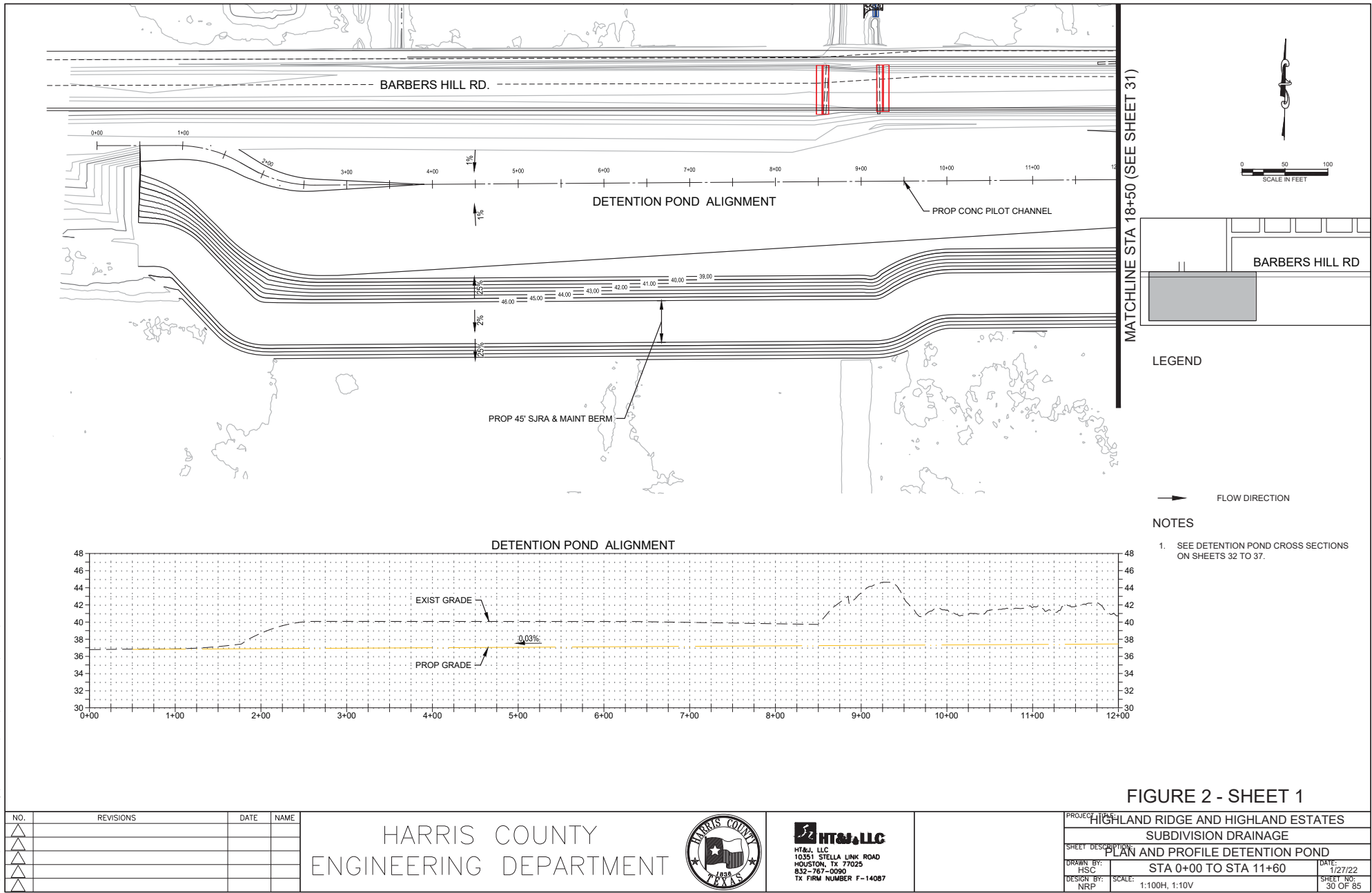
1 inch = 1 mile

FIGURE 1 VICINITY MAP

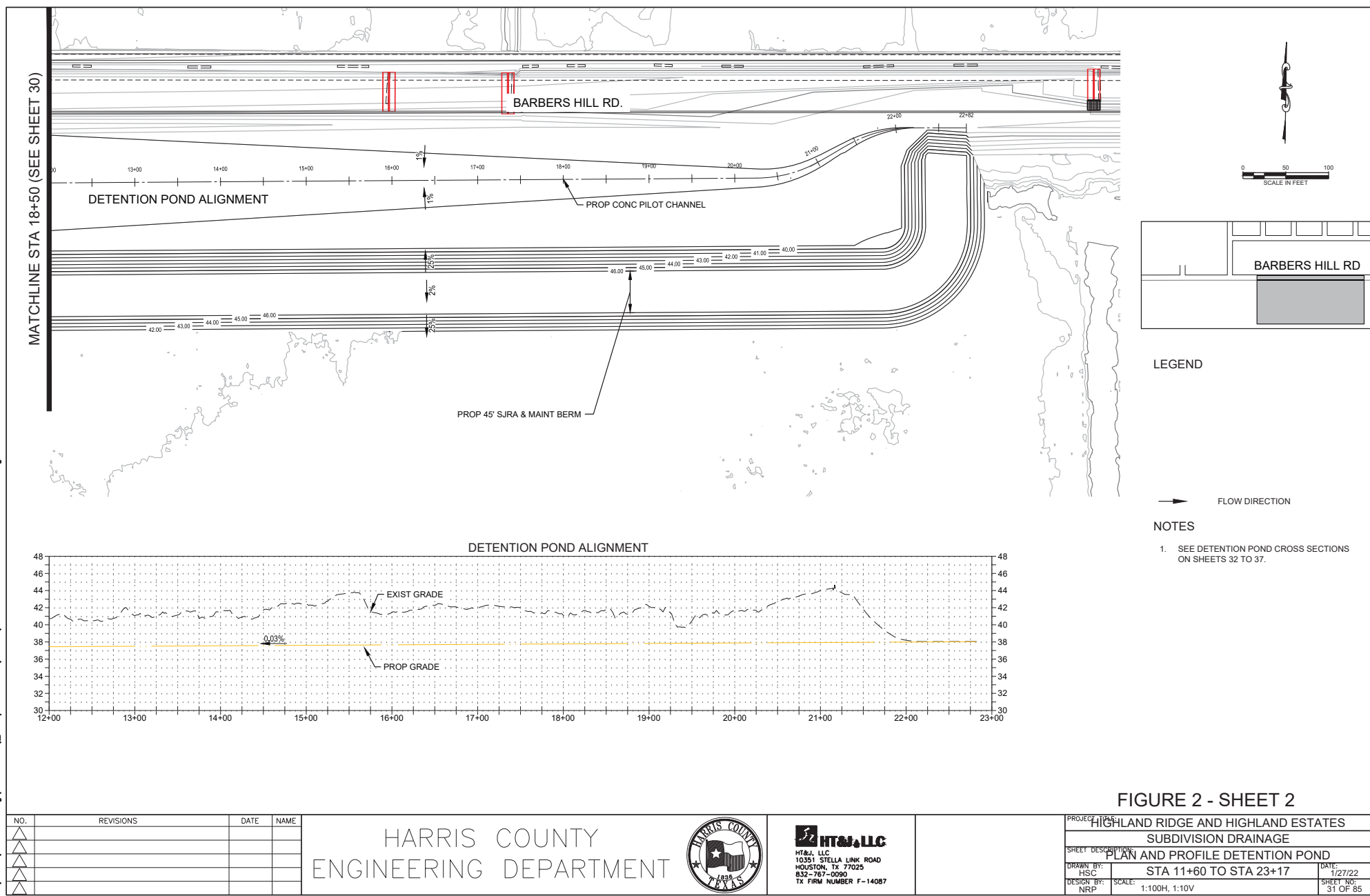
HIGHLAND RIDGE & HIGHLAND ESTATES
DRAINAGE IMPROVEMENTS
UPIN 19102MF13001
HIGHLANDS, TEXAS 77562
HARRIS COUNTY

Date: 12/20/2022

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NO.	REVISIONS	DATE	NAME

HARRIS COUNTY
ENGINEERING DEPARTMENT



HT&J, LLC
HT&J, LLC
10351 STELLA LINK ROAD
HOUSTON, TX 77025
832-767-0090
TX FIRM NUMBER F-14087

PROJECT: HIGHLAND RIDGE AND HIGHLAND ESTATES	
SUBDIVISION DRAINAGE	
SHEET DESCRIPTION: PLAN AND PROFILE DETENTION POND	
DRAWN BY: HSC	DATE: 1/27/22
DESIGN BY: NRP	SHEET NO: 31 OF 85
SCALE: 1:100H, 1:10V	

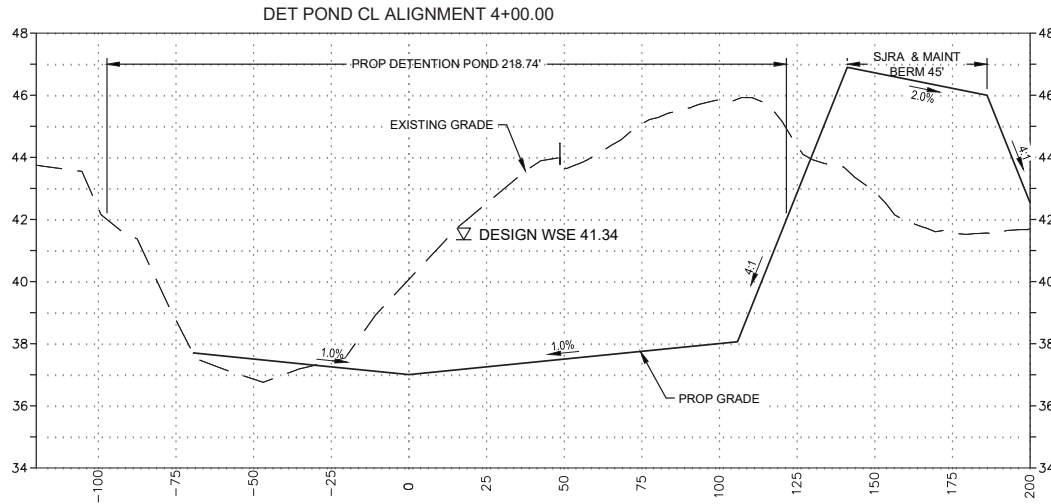
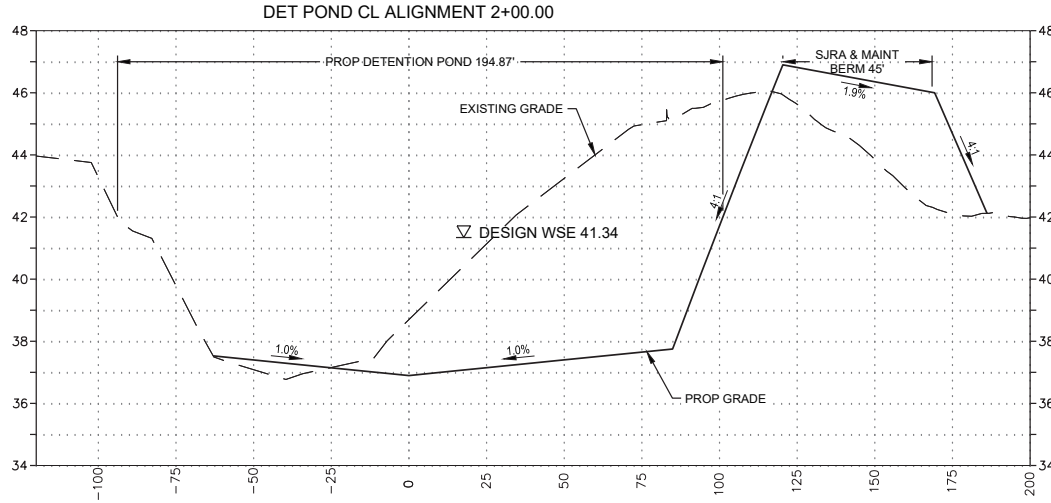


FIGURE 2 - SHEET 3

NO.	REVISIONS	DATE	NAME
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HARRIS COUNTY
ENGINEERING DEPARTMENT



HT&J, LLC
HT&J, LLC
10351 STELLA LINK ROAD
HOUSTON, TX 77025
832-767-0090
TX FIRM NUMBER F-14087

PROJECT TITLE		HIGHLAND RIDGE AND HIGHLAND ESTATES	
SHEET DESCRIPTION		SUBDIVISION DRAINAGE	
DRAWN BY:		STA 2+00 TO STA 4+00	
DESIGN BY:		DATE: 1/27/22	
NRP		SCALE: 1:40 H, 1:4 V	
		SHEET NO. 32 OF 85	

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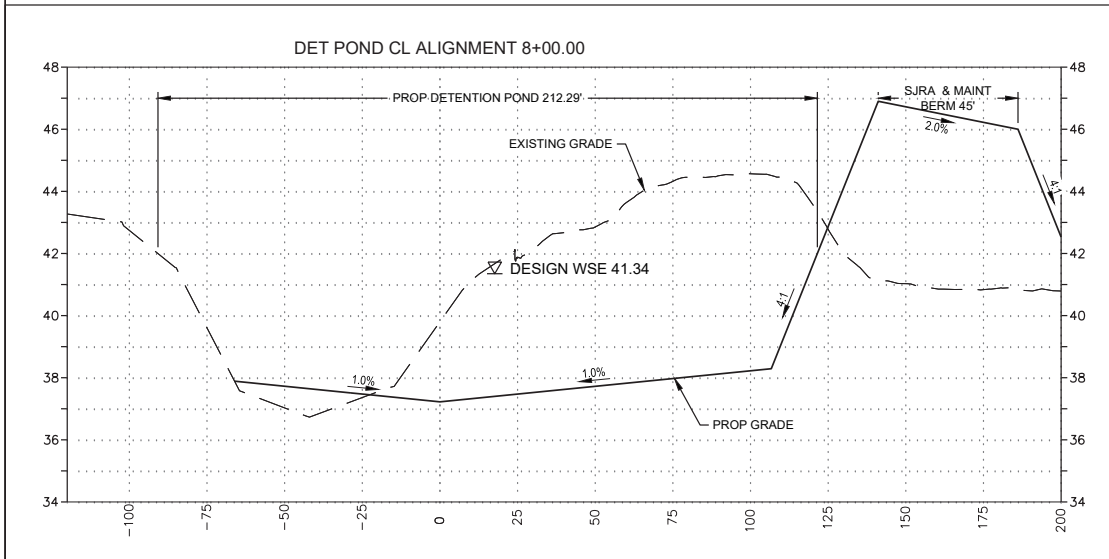
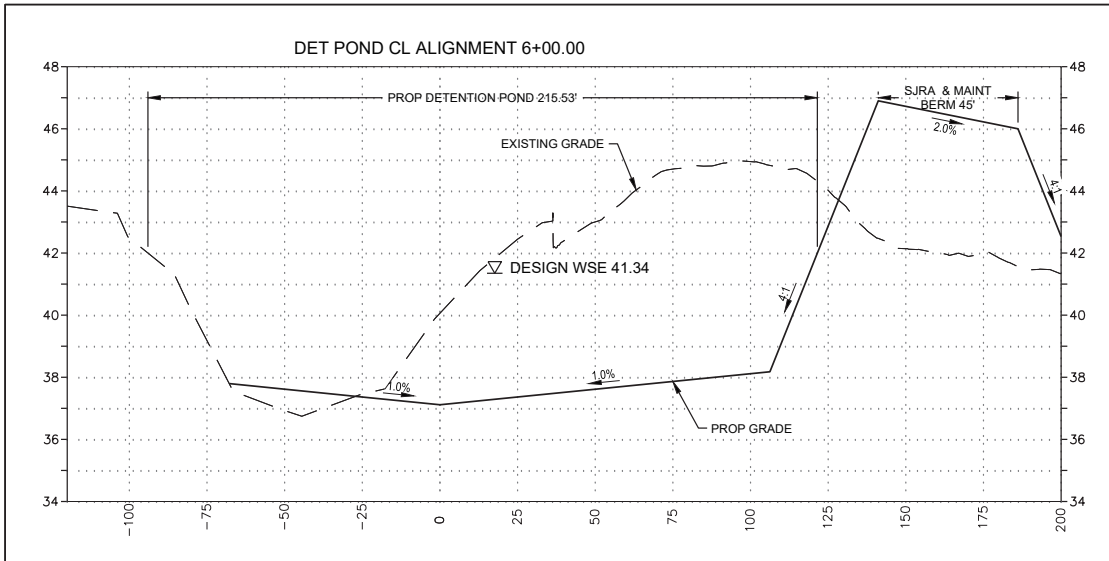


FIGURE 2 - SHEET 4

NO.	REVISIONS	DATE	NAME
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HARRIS COUNTY
ENGINEERING DEPARTMENT



HT&J, LLC
HT&J, LLC
10351 STELLA LINK ROAD
HOUSTON, TX 77025
832-767-0090
TX FIRM NUMBER F-14087

PROJECT TITLE:	HIGHLAND RIDGE AND HIGHLAND ESTATES		
SHEET DESCRIPTION:	SUBDIVISION DRAINAGE		
DRAWN BY:	HSC		DATE:
DESIGN BY:	NRP		1/27/22
SCALE:	1:40H, 1:4V		SHEET NO.
			33 OF 85

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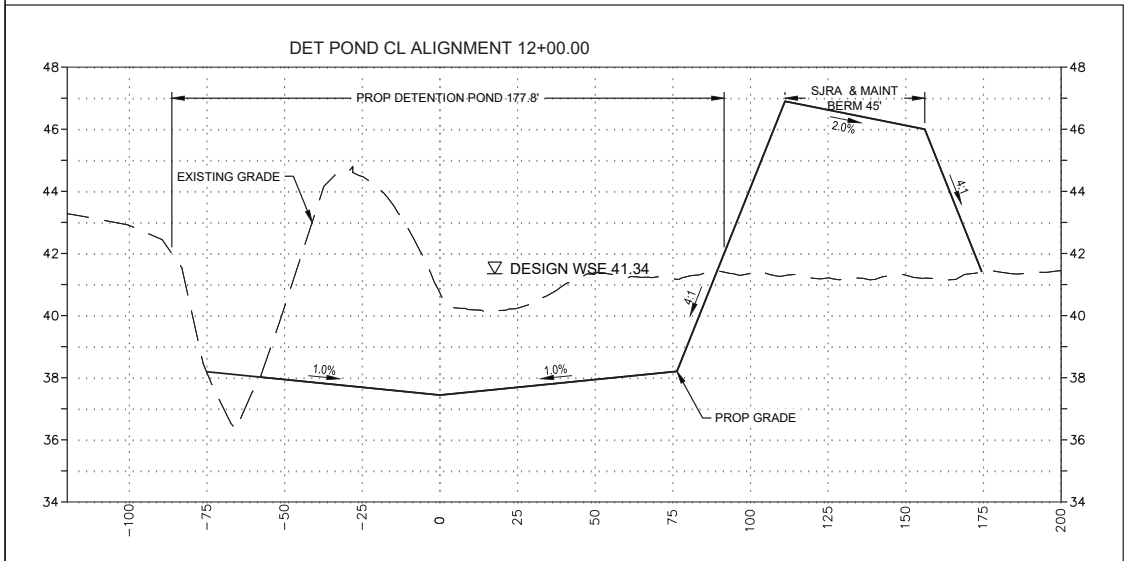
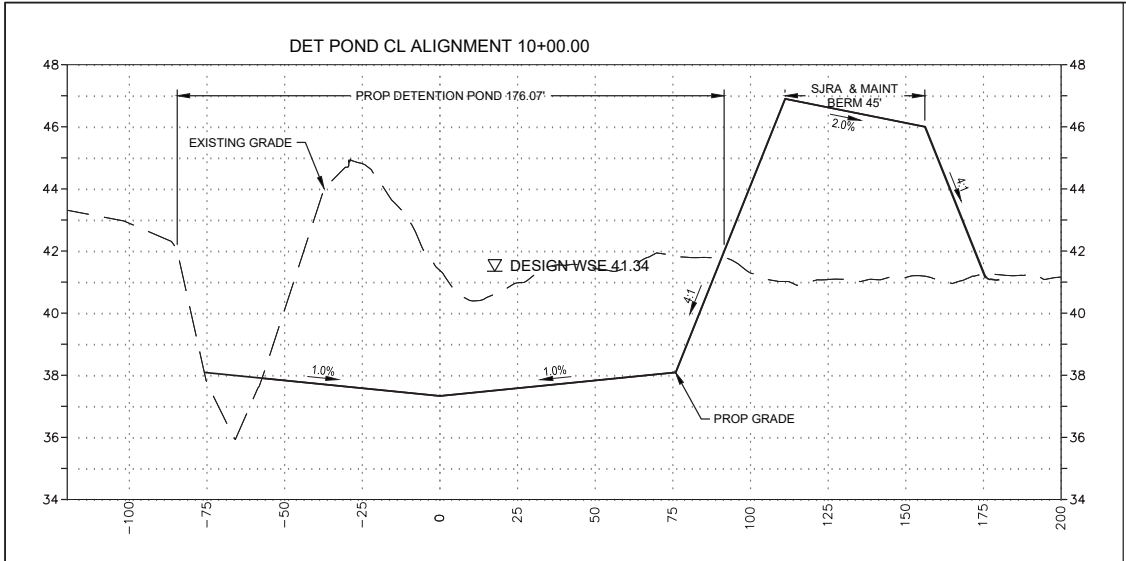


FIGURE 2 - SHEET 5

NO.	REVISIONS	DATE	NAME
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HARRIS COUNTY
ENGINEERING DEPARTMENT



HT&J, LLC
HT&J, LLC
10351 STELLA LINK ROAD
HOUSTON, TX 77025
832-767-0090
TX FIRM NUMBER F-14087

PROJECT NAME HIGHLAND RIDGE AND HIGHLAND ESTATES	
SUBDIVISION DRAINAGE	
SHEET DESCRIPTION DETENTION POND CROSS SECTIONS	
DRAWN BY: HSC	DATE: 1/27/22
DESIGN BY: NRP	SCALE: 1:40H, 1:4V
	SHEET NO. 34 OF 85

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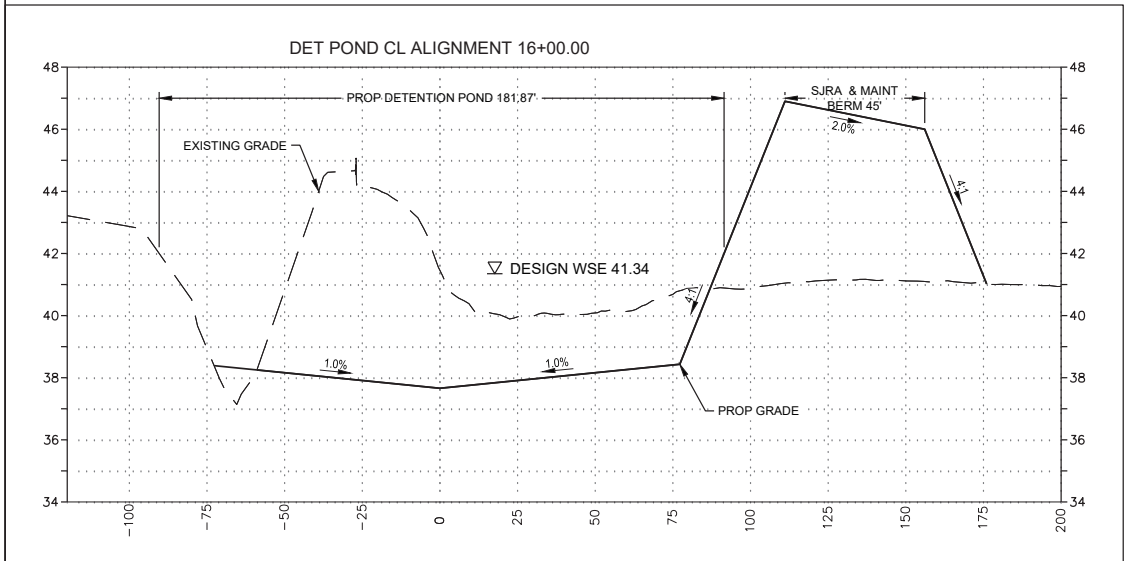
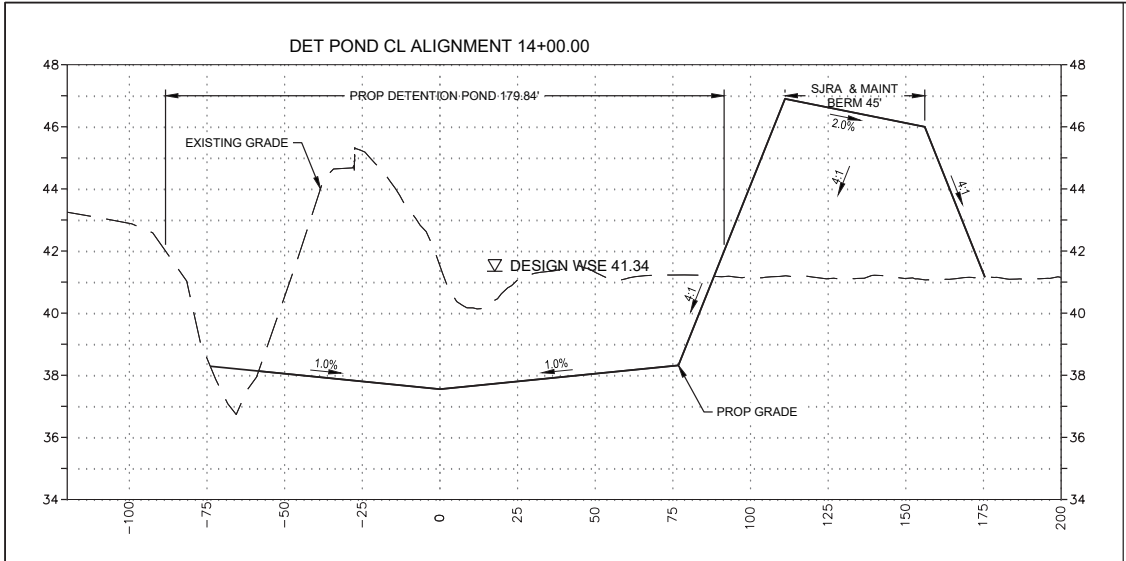


FIGURE 2 - SHEET 6

NO.	REVISIONS	DATE	NAME
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▲			

HARRIS COUNTY
ENGINEERING DEPARTMENT



HT&J, LLC
HT&J, LLC
10351 STELLA LINK ROAD
HOUSTON, TX 77025
832-767-0090
TX FIRM NUMBER F-14087

PROJECT TITLE: HIGHLAND RIDGE AND HIGHLAND ESTATES	
SHEET DESCRIPTION: SUBDIVISION DRAINAGE	
SHEET DESCRIPTION: DETENTION POND CROSS SECTIONS	
DRAWN BY: HSC	DATE: 1/27/22
DESIGN BY: NRP	SCALE: 1:40H, 1:4V
	SHEET NO. 35 OF 85

C:\Users\HowardChang\Documents\CA0\3607 HRHE\Sheets\3607 - P&P Detention Pond.dwg

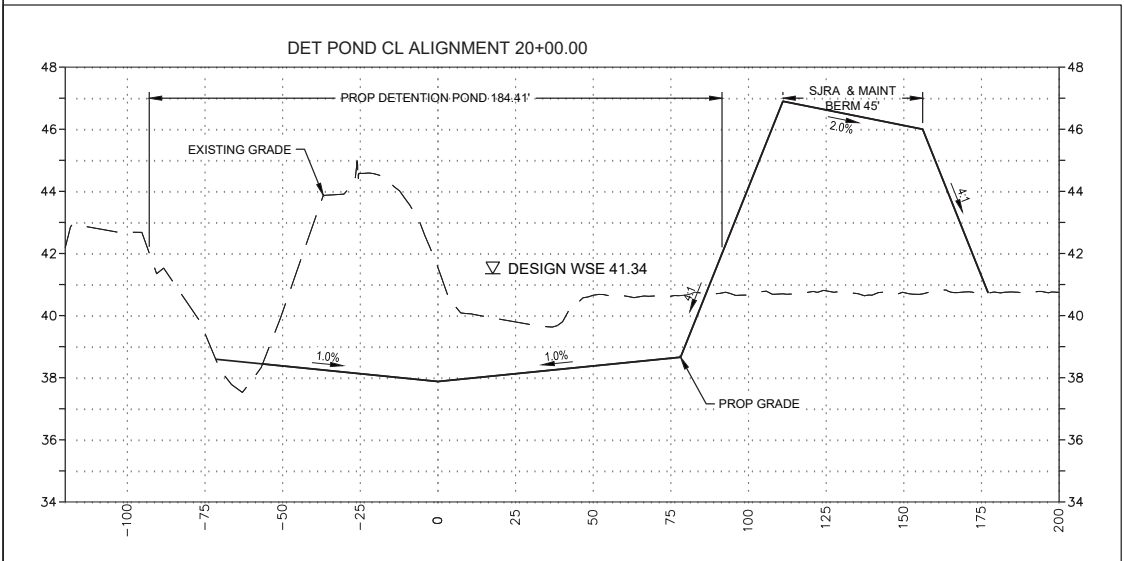
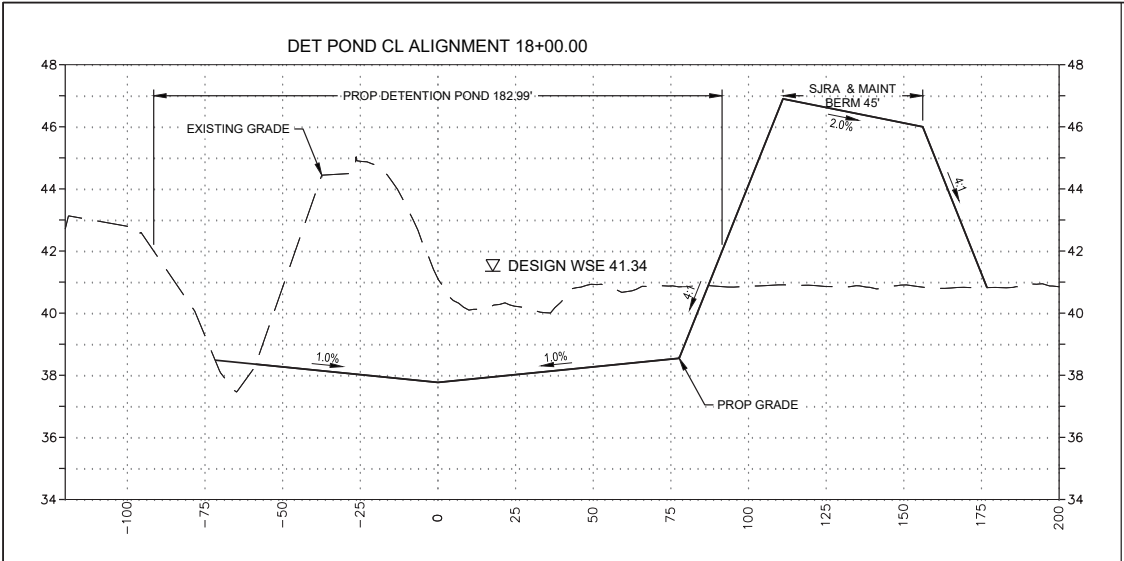


FIGURE 2 - SHEET 7

NO.	REVISIONS	DATE	NAME
1			
2			
3			
4			

HARRIS COUNTY
ENGINEERING DEPARTMENT



HT&J, LLC
HT&J, LLC
10351 STELLA LINK ROAD
HOUSTON, TX 77025
832-767-0090
TX FIRM NUMBER F-14087

PROJECT TITLE: HIGHLAND RIDGE AND HIGHLAND ESTATES	
SUBDIVISION DRAINAGE	
SHEET DESCRIPTION: DETENTION POND CROSS SECTIONS	
DRAWN BY: HSC	DATE: 1/27/22
DESIGN BY: NRP	SCALE: 1:40H, 1:4V
	SHEET NO. 36 OF 85

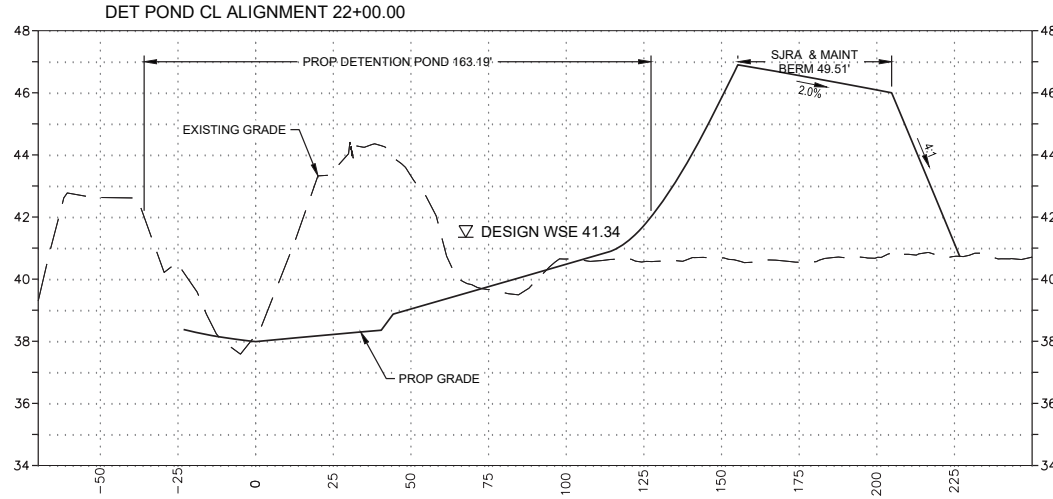


FIGURE 2 - SHEET 8

NO.	REVISIONS	DATE	NAME
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△			
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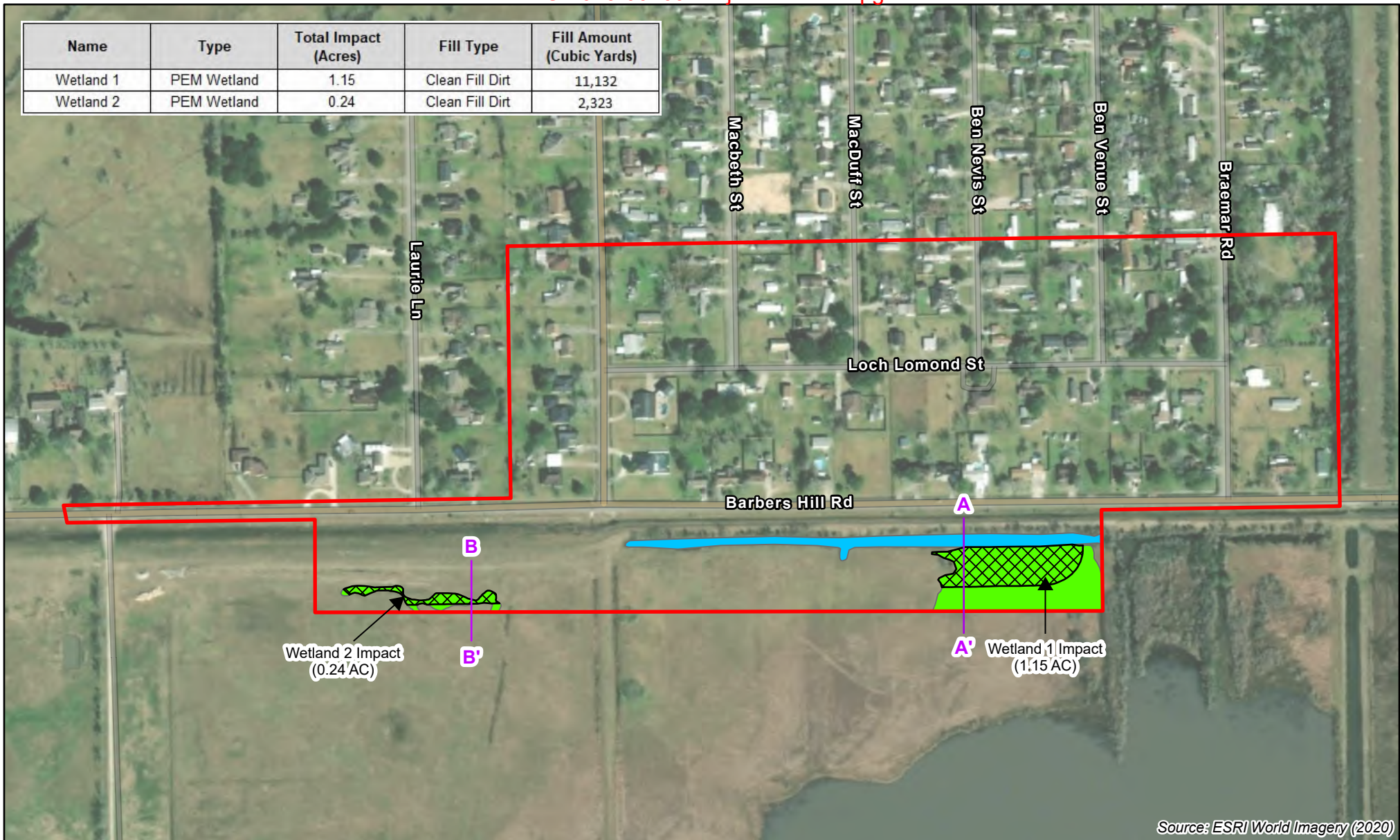
HARRIS COUNTY
ENGINEERING DEPARTMENT



HT&J, LLC
HT&J, LLC
10351 STELLA LINK ROAD
HOUSTON, TX 77025
832-767-0090
TX FIRM NUMBER F-14087

PROJECT TITLE: HIGHLAND RIDGE AND HIGHLAND ESTATES		
SUBDIVISION DRAINAGE		
SHEET DESCRIPTION: DETENTION POND CROSS SECTIONS		
DRAWN BY: HSC	STA 22+00	DATE: 1/27/22
DESIGN BY: NRP	SCALE: 1:40H, 1:4V	SHEET NO. 37 OF 85

Name	Type	Total Impact (Acres)	Fill Type	Fill Amount (Cubic Yards)
Wetland 1	PEM Wetland	1.15	Clean Fill Dirt	11,132
Wetland 2	PEM Wetland	0.24	Clean Fill Dirt	2,323



Legend

- Project Area
- Project Impacts
- Delineated Feature
- PEM wetland
- Jurisdictional ditch

0 225 450 900 1,350
Feet

1 inch = 450 feet



FIGURE 3 WOTUS IMPACTS MAP

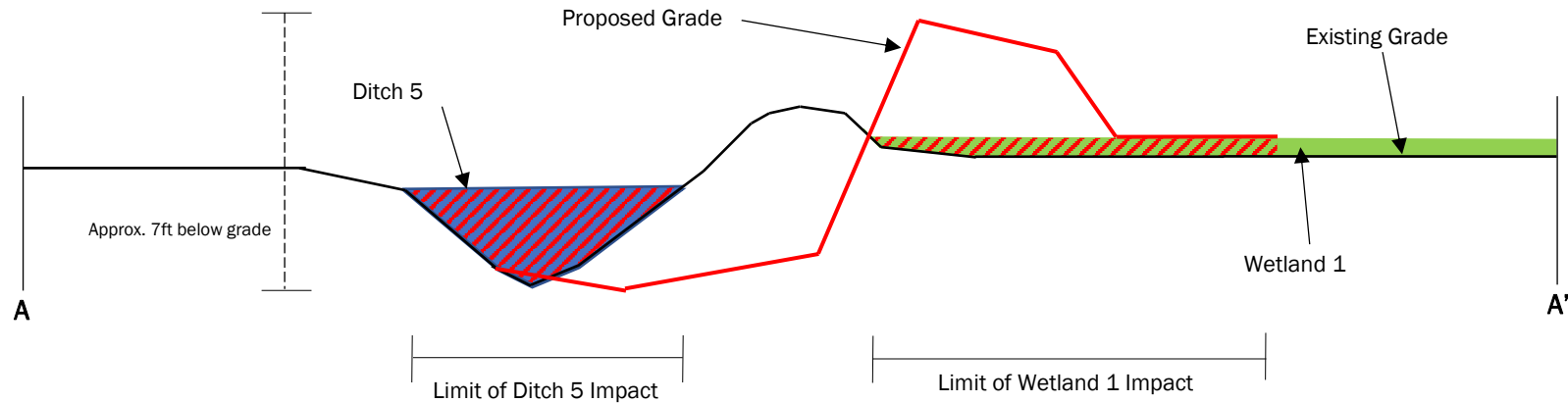
HIGHLAND RIDGE & HIGHLAND ESTATES
DRAINAGE IMPROVEMENTS
UPIN 19102MF13001
HIGHLANDS, HARRIS COUNTY, TEXAS 77562



Prepared by: Cypress Environmental Consulting LLC
Project No.: 022341
Date: 4/13/2023

N ←

CROSS SECTION A - A'



Waterbody/Wetland Name	Type	Latitude/Longitude	Total Impact (AC/LF)	Temporary Impact (AC/LF)	Reason for Temp. Impact	Permanent Impact (AC/LF)	Reason for Perm. Impact
Ditch 5	Jurisdictional Drainage Ditch	29.841723, -95.025367	1.124 AC / 1,402 LF	0	-	1.124 AC / 1,402 LF	Excavation
Wetland 1	PEM Wetland	29.841368, -95.024086	1.15 AC	0	-	1.15 AC	Clean Fill Dirt

DRAWING NOT TO SCALE

PREPARED FOR:



- Existing Ground
- Proposed Project Limits
- PEM Wetland
- Jurisdictional Drainage Ditch
- Proposed WOTUS Impact

FIGURE 4 - SHEET 1

HIGHLAND RIDGE & HIGHLAND ESTATES
DRAINAGE IMPROVEMENTS
UPIN: 19102MF13001
HIGHLANDS, HARRIS COUNTY, TEXAS, 77562

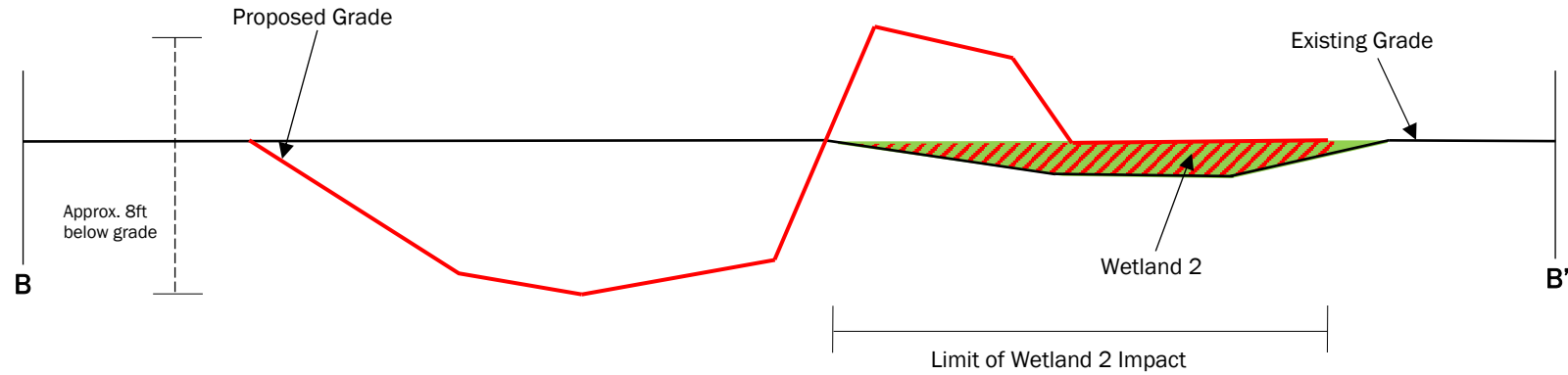
Prepared By: J. Prescott

Date: May 3, 2023

Project No: 022341

N ←

CROSS SECTION B - B'



Waterbody/Wetland Name	Type	Latitude/Longitude	Total Impact (AC/LF)	Temporary Impact (AC/LF)	Reason for Temp. Impact	Permanent Impact (AC/LF)	Reason for Perm. Impact
Wetland 2	PEM Wetland	29.841196, -95.029569	0.24 AC	0	-	0.24 AC	Clean Fill Dirt

DRAWING NOT TO SCALE

PREPARED FOR:



- Existing Ground
- Proposed Project Limits
- PEM Wetland
- Proposed WOTUS Impact

FIGURE 4 - SHEET 2

HIGHLAND RIDGE & HIGHLAND ESTATES
DRAINAGE IMPROVEMENTS
UPIN: 19102MF13001
HIGHLANDS, HARRIS COUNTY, TEXAS, 77562

Prepared By: J. Prescott

Date: May 3, 2023

Project No: 022341