



PCDC Impact Way - Phase III-B

July 28, 2021

Presented by:





**PFLUGERVILLE COMMUNITY DEVELOPMENT
CORPORATION**

**SH 130 COMMERCE CENTER - PHASE II
IMPACT WAY EXTENSION PRELIMINARY
ENGINEERING**

October 2020



10/21/2020

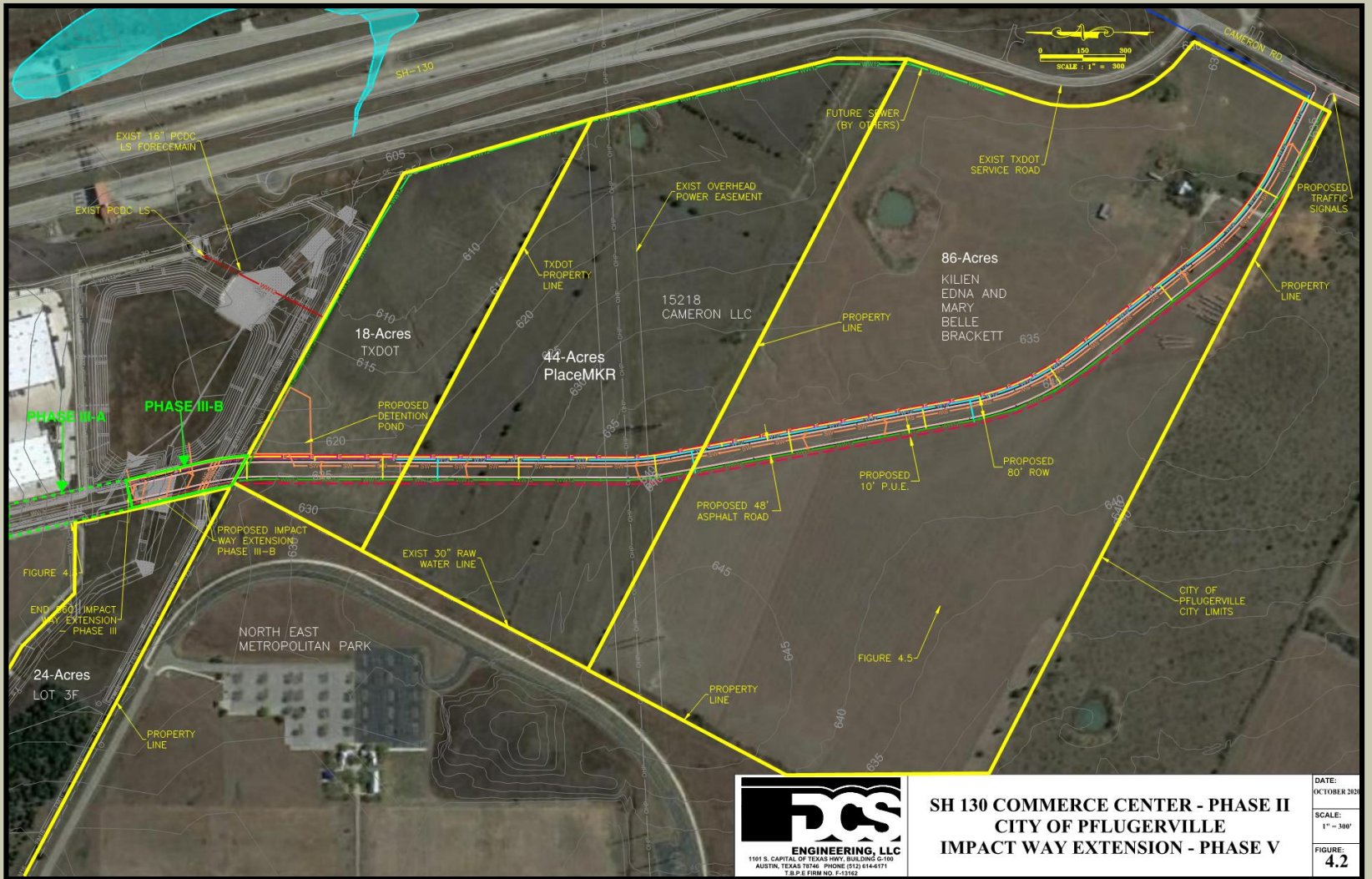
Prepared by:



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1101 S. Capital of Texas Highway, Building G-100
Austin, Texas 78746
Tel: (512) 614-6171
T.B.P.E. Firm No. F-13162
Project Number: 20101404



Impact Way to Cameron Road



**SH 130 COMMERCE CENTER - PHASE II
CITY OF PFLUGERVILLE
IMPACT WAY EXTENSION - PHASE V**

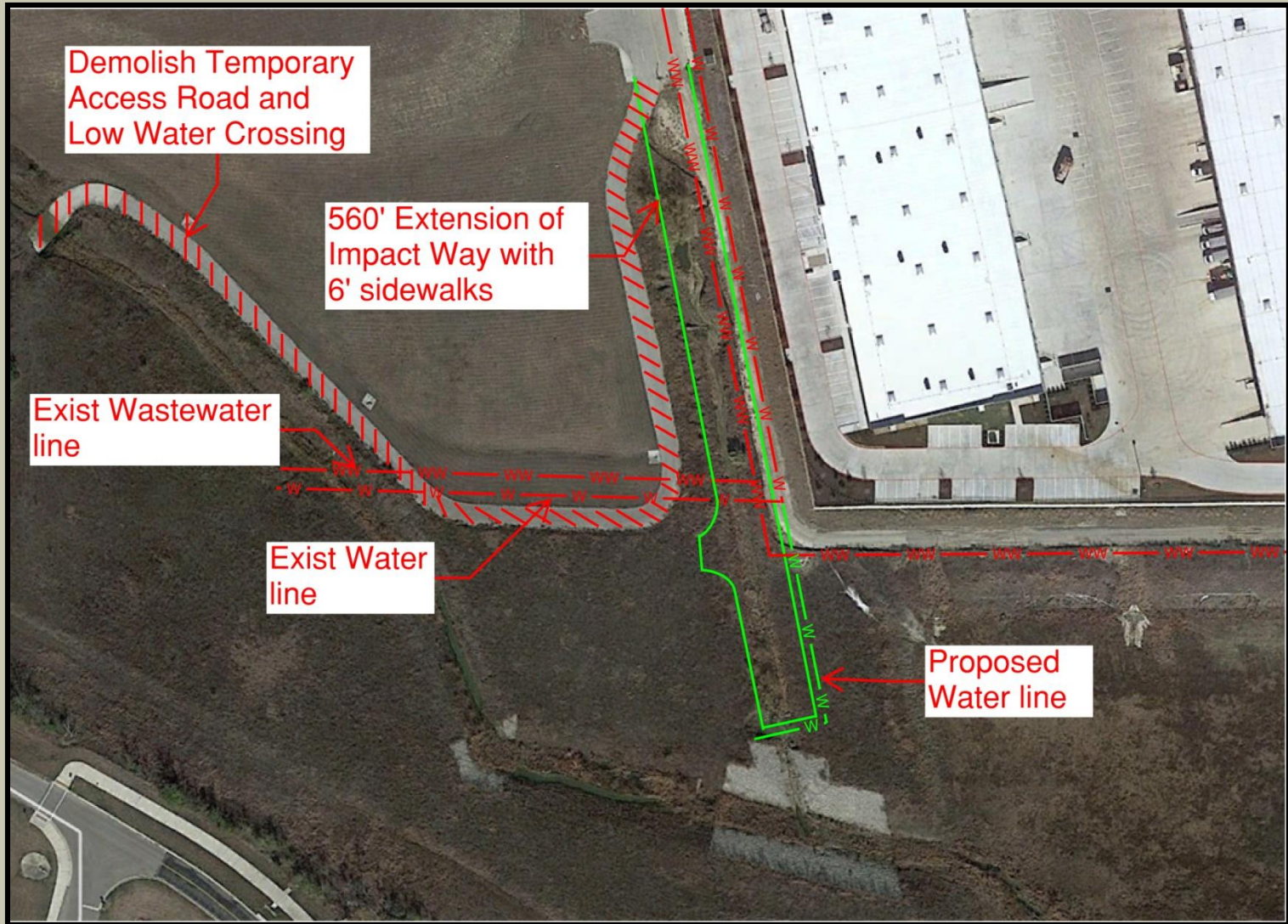
DATE:
OCTOBER 2015

SCALE:
1" = 300'

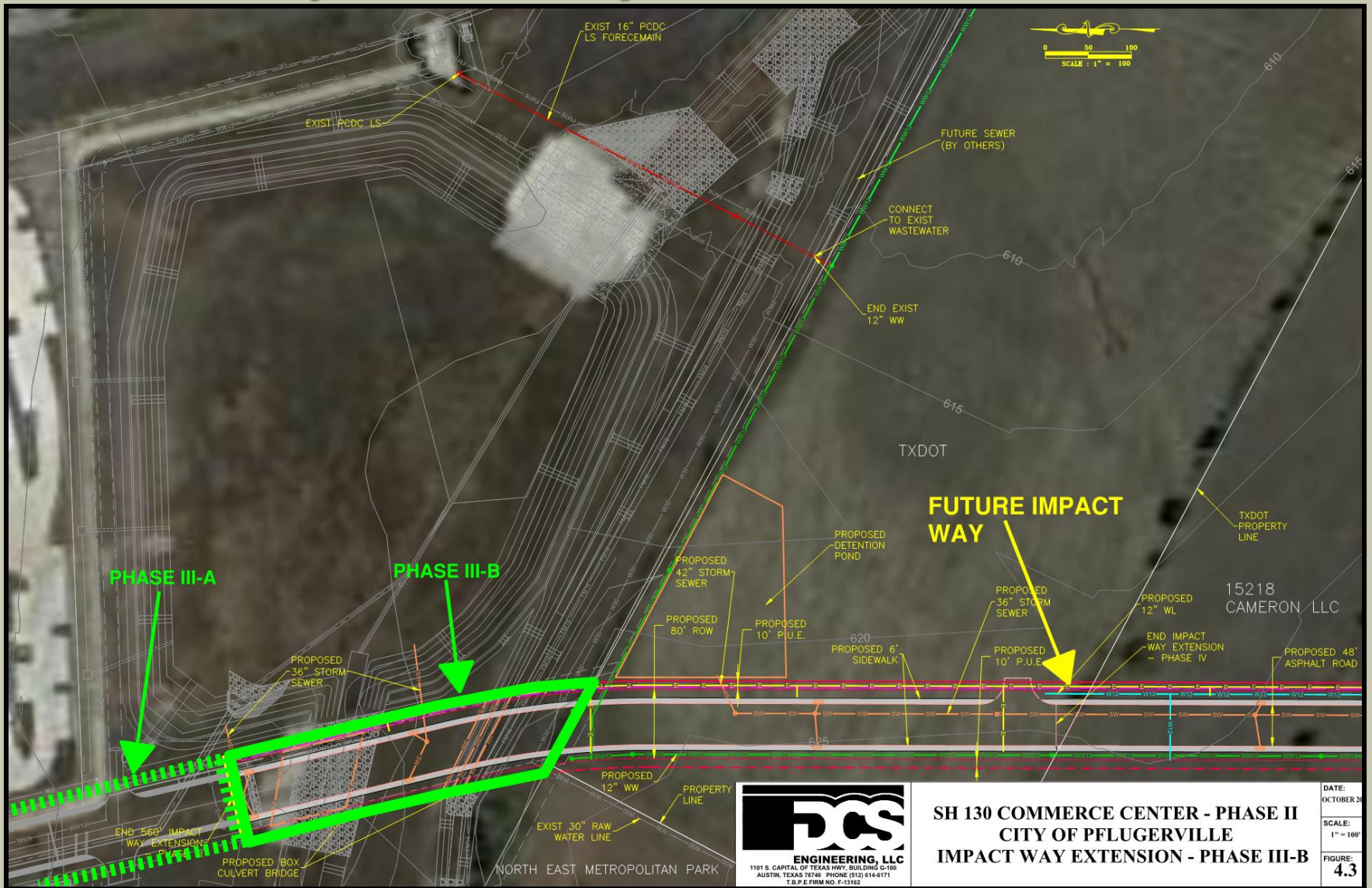
FIGURE:
4.2



Impact Way - Phase III-A



Impact Way - Phase III-B



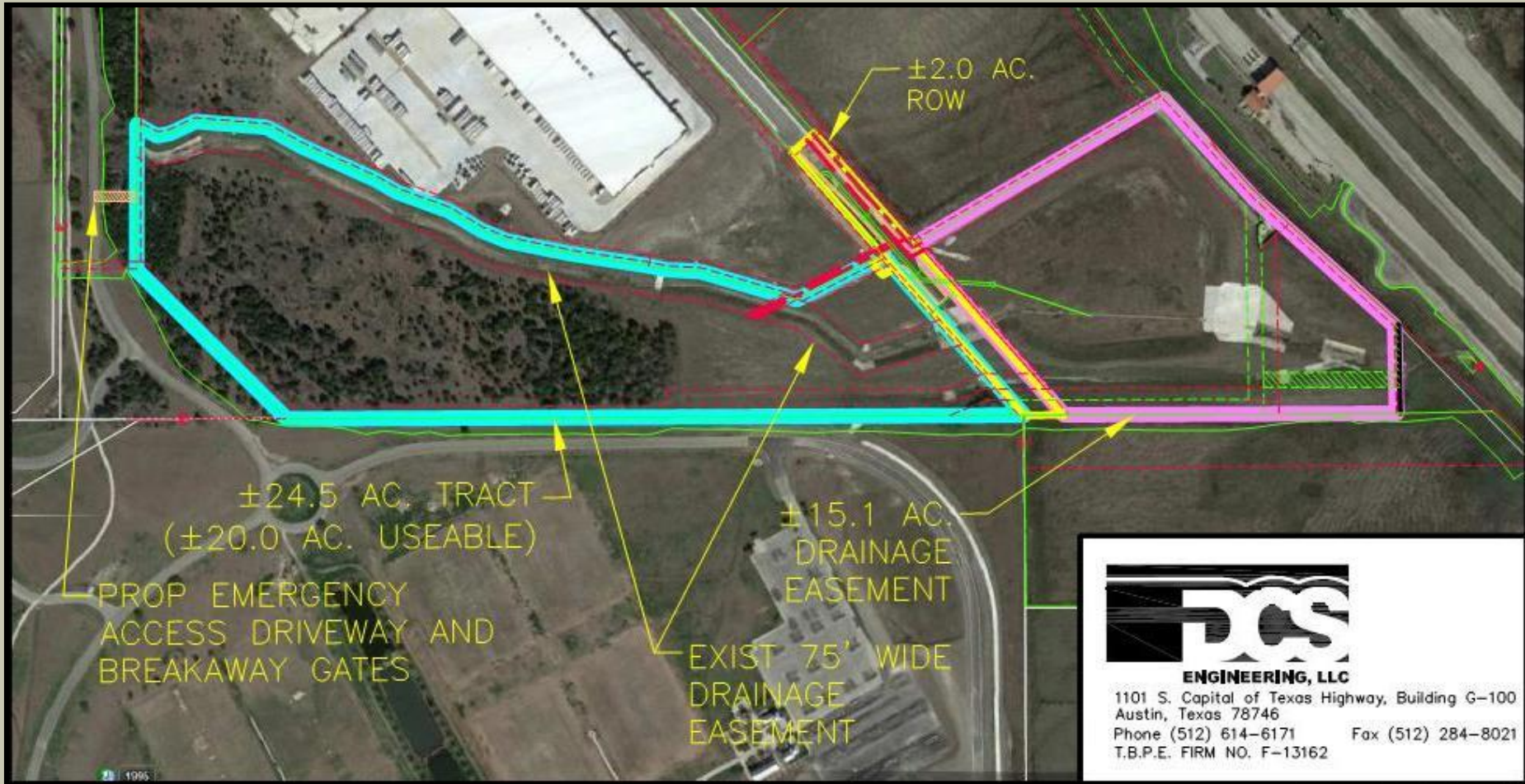
DCS
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SH 130 COMMERCE CENTER - PHASE II
CITY OF PFLUGERVILLE
IMPACT WAY EXTENSION - PHASE III-B

DATE: OCTOBER 20
SCALE: 1" = 100'
FIGURE: 4.3



Impact Way - Phase III-A



**PFLUGERVILLE COMMUNITY DEVELOPMENT
CORPORATION**



**HYDRAULICS AND HYDROLOGIC ANALYSIS
UPDATE
PER ATLAS 14 FOR:
SH-130 COMMERCE CENTER**

May 2021



Prepared by:

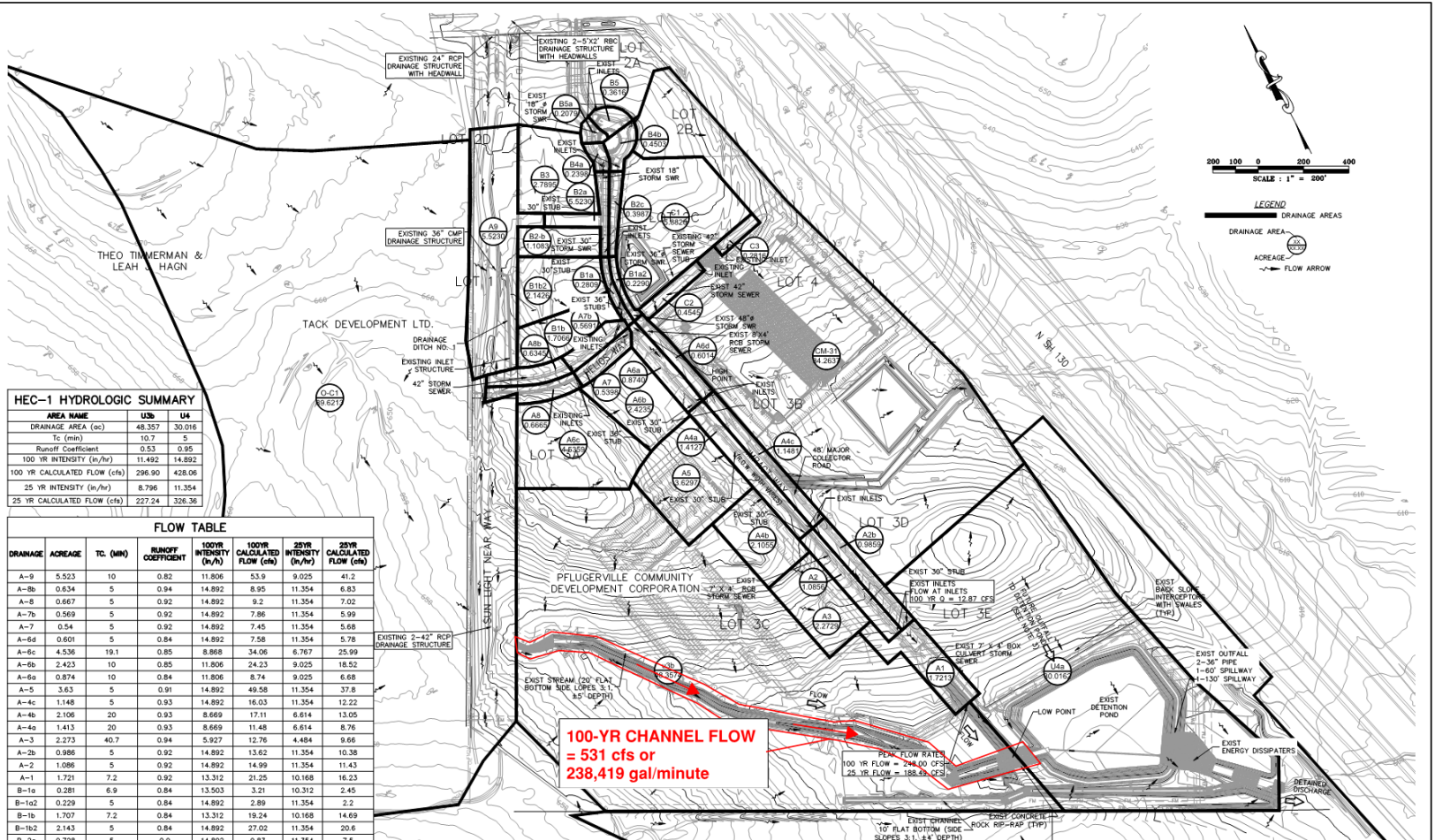
Michael T. Buckel
05/21/2021



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Project Number: 20101446



Box Culvert Bridge Hydraulic




HEC-1 HYDROLOGIC SUMMARY

AREA NAME	US2	U4
DRAINAGE AREA (ac)	48,357	30,016
Tc (min)	10.7	5
Runoff Coefficient	0.53	0.95
100 YR INTENSITY (in/hr)	11.492	14.892
100 YR CALCULATED FLOW (cfs)	296.90	428.06
25 YR INTENSITY (in/hr)	8.796	11.354
25 YR CALCULATED FLOW (cfs)	227.24	326.36

FLOW TABLE

DRAINAGE	ACREAGE	TC (MIN)	RUNOFF COEFFICIENT	100YR INTENSITY (in/hr)	100YR CALCULATED FLOW (cfs)	25YR INTENSITY (in/hr)	25YR CALCULATED FLOW (cfs)
A-9	5.523	10	0.82	11.806	53.9	9.025	41.2
A-8b	0.634	5	0.94	14.892	8.95	11.354	6.83
A-8	0.667	5	0.92	14.892	9.2	11.354	7.02
A-7b	0.569	5	0.92	14.892	7.86	11.354	5.99
A-7	0.54	5	0.92	14.892	7.45	11.354	5.68
A-6d	0.601	5	0.84	14.892	7.58	11.354	5.78
A-6c	4.536	19.1	0.85	8.868	34.06	6.767	25.99
A-6b	2.423	10	0.85	11.806	24.23	9.025	18.52
A-6a	0.874	10	0.84	11.806	8.74	9.025	6.68
A-5	3.63	5	0.91	14.892	49.58	11.354	37.8
A-4c	1.148	5	0.93	14.892	16.03	11.354	12.22
A-4b	2.106	20	0.93	8.669	17.11	6.614	13.05
A-4a	1.413	20	0.93	8.669	11.48	6.614	8.76
A-3	2.273	40.7	0.94	5.927	12.76	4.484	9.66
A-2b	0.986	5	0.92	14.892	13.62	11.354	10.38
A-2	1.088	5	0.92	14.892	14.99	11.354	11.43
A-1	1.721	7.2	0.92	13.312	21.25	10.168	16.23
B-1a	0.281	6.9	0.84	13.503	3.21	10.312	2.45
B-1a2	0.229	5	0.84	14.892	2.89	11.354	2.2
B-1b	1.707	7.2	0.84	13.312	19.24	10.168	14.69
B-1b2	2.143	5	0.84	14.892	27.02	11.354	20.6
B-2a	0.728	5	0.9	14.892	9.83	11.354	7.5
B-2b	1.108	6.6	0.9	13.7	13.78	10.461	10.52
B-2c	0.399	5	0.9	14.892	5.39	11.354	4.11
B-3	2.79	6.3	0.82	13.906	32.06	10.615	24.48
B-4a	0.24	5	0.97	14.892	3.49	11.354	2.66
B-4b	0.45	5.9	0.97	14.892	6.25	10.83	4.77
B-5	0.362	5	0.97	14.892	5.27	11.354	4.01
B-5a	0.208	5	0.9	14.892	2.81	11.354	2.14



PCS
ENGINEERING, LLC

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T.S.P.E. FORM NO. P-13182

PFLUGERVILLE COMMUNITY DEVELOPMENT CORPORATION
EXISTING DRAINAGE AREA MAP WITH FLOW SUMMARY TABLE

DATE: MAY 2021

SCALE: 1" = 200'

FIGURE: **3.1**

FILENAME: Z:\Projects\1400-149\201011481 - P202-34-130 Commerce Center\4841\4841.dwg - Drawing\Sheet\Plan\Flow\3-1.dwg, LAST SAVED ON: May 24, 2021 11:09am, PLOTTED BY: CAD, On: May 24, 2021 11:08am, CFS

Project Schedule

Impact Way - Phase III-A

Task	Date
Preliminary Plan	
Submit Preliminary Plan	3/8/2021
Receive 1st Comments from City Prelim Plan	3/26/2021
Address Comments and Resubmit Prelim Plan	5/17/2021
Receive 2nd Comments from City for Prelim Plan	5/31/2021
Address Comments and Resubmit Prelim Plan	6/7/2021
Receive Approval of Preliminary Plan	6/21/2021
Final Plat	
Submit Final Plat	5/24/2021
Receive 1st Comments on Final Plat	6/14/2021
Address Comments and Resubmit Final Plat	6/21/2021
Receive 2nd Comments on Final Plat	7/5/2021
Address Comments and Resubmit Final Plat	7/12/2021
Receive Approval of Final Plat	7/26/2021
Construction Plans	
Submit Construction Plans	5/24/2021
Receive 1st Comments on Construction Plans	6/23/2021
Address Comments and Resubmit Construction Plans	7/5/2021
Receive 2nd Comments on Construction Plans	8/4/2021
Address Comments and Resubmit Construction Plans	8/16/2021
Receive Approval of Construction Plans	9/15/2021

Impact Way - Phase III-B

Task	Date
Preliminary Plan	
Submit Preliminary Plan	8/9/2021
Receive 1st Comments from City Prelim Plan	8/30/2021
Address Comments and Resubmit Prelim Plan	9/6/2021
Receive 2nd Comments from City for Prelim Plan	9/20/2021
Address Comments and Resubmit Prelim Plan	9/27/2021
Receive Approval of Preliminary Plan	10/11/2021
Final Plat	
N/A	
Construction Plans	
Submit Construction Plans	9/27/2021
Receive 1st Comments on Construction Plans	10/27/2021
Address Comments and Resubmit Construction Plans	11/8/2021
Receive 2nd Comments on Construction Plans	12/8/2021
Address Comments and Resubmit Construction Plans	12/20/2021
Receive Approval of Construction Plans	1/19/2022

Project Costs

Project Costs include engineering, agency fees, construction cost, and 15% contingency

- ▶ Impact Way Phase III-A = \$1,215,000
- ▶ Impact Way Phase III-B = \$1,625,000

Total Cost = \$2,825,000