

DATE OF SUBMITTAL: AUGUST 19, 2022

LEGAL DESCRIPTION:

BEING A 93.101-ACRE TRACT OF LAND SITUATED IN THE J. DAVIS SURVEY, ABSTRACT NO. 231, AND THE S. EISELIN SURVEY, ABSTRACT NO. 265, TRAVIS COUNTY, TEXAS, AND BEING A PORTION OF THE REMAINDER OF THAT CERTAIN TRACT OF LAND CALLED TO CONTAIN 535 ACRES TO TIMMERMAN & HAGN, LTD. AS DESCRIBED IN VOLUME 8394, PAGE 544, CORRECTED IN VOLUME 8517, PAGE 875 OF THE REAL PROPERTY RECORDS OF TRAVIS COUNTY, TEXAS AND FURTHER DESCRIBED BY METES AND BOUNDS IN VOLUME 365, PAGE 165 OF THE DEED RECORDS OF TRAVIS COUNTY, TEXAS, AND A PORTION OF THE REMAINDER OF A CALLED 300.03 ACRE TRACT TO TIMMERMAN & HAGN, LTD., AS DESCRIBED IN A SPECIAL WARRANTY DEED IN DOCUMENT NO. 2004025616 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS; SAID 93.101 ACRE TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS, WITH BEARINGS BASED ON THE TEXAS COORDINATE SYSTEM OF 1983, CENTRAL ZONE: (SEE SHEET 2)

GENERAL NOTES:

- 1. All responsibility for the adequacy of these plans remains with the engineer who prepared them. In reviewing these plans, the City of Pflugerville must rely on the adequacy of the work of the design engineer.

SURVEYOR'S CERTIFICATION

STATE OF TEXAS:
KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF TRAVIS:

THAT I, REX HACKETT, DO HEREBY CERTIFY THAT I PREPARED THIS PLAN FROM AN ACTUAL AND ACCURATE ON-THE-GROUND SURVEY OF THE LAND, AND THAT THE CORNER MONUMENTS SHOWN THEREON MARKING THE BOUNDARY OF THE PROPOSED SUBDIVISION, BUT NOT INTERIOR LOT LINES, WERE PROPERLY PLACED UNDER MY PERSONAL SUPERVISION, IN ACCORDANCE WITH ALL CITY OF PFLUGERVILLE, TEXAS CODES AND ORDINANCES AND THAT ALL KNOWN EASEMENTS WITHIN THE BOUNDARY OF THE PLAT ARE SHOWN HEREON. (SEAL)

SIGNATURE OF REGISTERED PROFESSIONAL LAND SURVEYOR

TRAFFIC IMPACT ANALYSIS
BOE CONSULTING SERVICES
AUTHOR: ROB AKI, TEHRANY, P.E.
DATE: JULY 27, 2022

ENGINEERING REPORT
QUIDDITY ENGINEERING
AUTHOR: JOSEPH E. YORK, P.E.
DATE: MARCH 18, 2022

WATER MODEL
QUIDDITY ENGINEERING
AUTHOR: KYLE KASPAR, P.E.
DATE: JUNE 29, 2022

DRAINAGE REPORT
QUIDDITY ENGINEERING
AUTHOR: JOSEPH E. YORK, P.E.
DATE: MARCH 18, 2022

WASTEWATER ANALYSIS
QUIDDITY ENGINEERING
AUTHOR: JOSEPH E. YORK, P.E.
DATE: MARCH 18, 2022

OWNER

TIMMERMAN HAGN, LTD.
230 KLATTEN HUFF LANE, SUITE 100
HUTTO, TEXAS 78634
512-846-1733
CONTACT: TIM TIMMERMAN

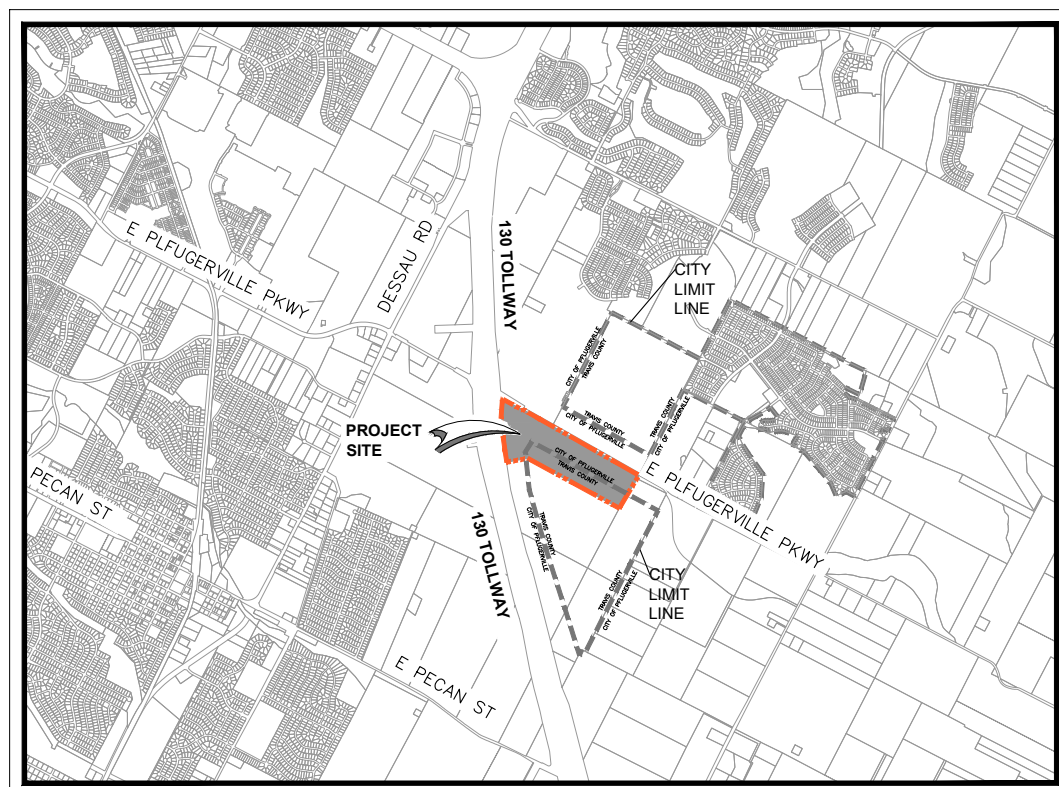
CIVIL ENGINEER/SURVEYOR

QUIDDITY ENGINEERING
4350 LOCKHILL SELMA RD, SUITE 100
SAN ANTONIO, TEXAS 78249
PH 210.494.5511
CONTACT: JOSEPH E. YORK, PE

LIST OF REPORTS

PRELIMINARY PLAN OF EAST PFLUGERVILLE PARKWAY COMMERCIAL CENTER

E. PFLUGERVILLE PARKWAY PFLUGERVILLE, TRAVIS COUNTY, TEXAS



VICINITY MAP

1" = 5,000'

INDEX OF PLANS

- SHEET No. SHEET TITLE
1 COVER SHEET
2 PRELIMINARY PLAN
3 EXISTING CONDITIONS
4 PRELIMINARY GRADING PLAN (OVERALL)
5 PRELIMINARY GRADING PLAN A
6 PRELIMINARY GRADING PLAN B
7 PRELIMINARY CUT AND FILL PLAN
8 PRELIMINARY EXISTING DRAINAGE AREA MAP
9 PRELIMINARY PROPOSED DRAINAGE AREA MAP
10 PRELIMINARY SUB-DRAINAGE AREA MAP
11 PRELIMINARY SUB-DRAINAGE AREA CALCULATIONS
12 OVERALL PRELIMINARY WATER AND WASTEWATER PLAN
13 PRELIMINARY UTILITY PLAN A
14 PRELIMINARY UTILITY PLAN B
15 PRELIMINARY TREE SURVEY
16 PRELIMINARY TREE SURVEY DETAILS
17 PRELIMINARY ILLUMINATION PLAN
18 PRELIMINARY SITE VISIBILITY TRIANGLE EXHIBIT
19 PRELIMINARY DEVELOPMENT PHASING PLAN

SUBMITTAL DATE: AUGUST 19, 2022

PREPARED BY



JOB NUMBER S0977-0008-00

STANDARD PRELIMINARY PLAN NOTES:

- 1. This plan lies within the City of Pflugerville and the City of Pflugerville ETJ.
2. Water and wastewater shall be provided by the City of Pflugerville. No lot in this subdivision shall be occupied until connected to water and wastewater facilities.
3. A 10-foot Public Utility Easement (P.U.E.) shall be dedicated along all street frontage(s).
4. Easement(s) dedicated to the public by this plan shall also be subject to the terms and conditions of the Engineering Design Manual, as amended. The property owner, heirs, successors and assigns shall retain the obligation to maintain the surface of the easement property, including the obligation to regularly mow or cut back vegetation and to keep the surface of the easement property free of litter, debris, and trash.
5. No improvements including but not limited to structures, fences, or landscaping shall be allowed in a public easement, except as approved by the City.
6. The property owner shall provide access to drainage and utility easements as may be necessary and shall not prohibit access for the placement, construction, installation, replacement, repair, maintenance, relocation, removal, operation and inspection of such drainage and utility facilities, and related appurtenances.
7. A six (6) foot wide sidewalk shall be provided on both sides of East Pflugerville Parkway and Colorado Sands Drive.
8. Streetlights shall be installed and in full working order with the public improvements. All streetlights shall be in conformance with all City of Pflugerville ordinances including but not limited to being downcast and full cut off type. All locations will be finalized with the construction plans.
9. This subdivision is subject to all City of Pflugerville ordinances or technical manuals related to Tree Preservation per City Ordinance # 1203-15-02-24 and City Resolution # 1224-09-08-25-8A. The fiscal for tree protection or tree mitigation fee will be required prior to any issuance of a disturbance permit.
10. The Community Impact Fee rate for water and wastewater will be assessed at the time of final plat.
11. On-site storm water facilities shall be provided to mitigate post-development peak runoff rates for the 2 year, 25 year and 100 year storm events.
12. All electric utility infrastructure including but not limited to telephone, cable television, electric utility lateral and service lines shall be installed in accordance with the City of Pflugerville Engineering Design Manual.
13. The owner of this subdivision, and his or her successors and assigns, assumes responsibility for plans for construction of subdivision improvements which comply with applicable codes and requirements of the City of Pflugerville.
14. Construction plans and specifications for all subdivision improvements shall be reviewed and approved by the City of Pflugerville prior to any construction within the subdivision.
15. Site development construction plans shall be reviewed and approved by the City of Pflugerville prior to any construction.
16. No portion of this tract is within a flood hazard area as delineated on the FEMA Flood Insurance Rate Map Panel #48453C0280J for Travis County, effective August 18, 2014.
17. All proposed fences and walls adjacent to intersecting public roadway right-of-way or adjacent to private access drives shall be in compliance with the sight distance requirements of the City of Pflugerville Engineering Design Manual, as amended.
18. Wastewater and water systems shall conform to TCEQ (Texas Commission on Environmental Quality) and State Board of Insurance requirements. The owner understands and acknowledges that plat vacation or re-platting may be required at the owner's sole expense if plans to develop this subdivision do not comply with such codes and requirements.
19. Development plans for Remainder Tract 1 & 2 shown herein are unknown at this time. Any division or proposed development of Remainder Tract 1 & 2 shall require a new/revision to the preliminary plan (as determined by the Planning Director) to define the full configuration of the development, including but not limited to the proposed land use, lot configuration, traffic impact analysis, all road extensions and alignments, drainage and floodplain, and all utility extensions."

UTILITY PROVIDERS

AT&T - TEXAS NORTH ENGINEERING CITY OF PFLUGERVILLE PUBLIC WORKS
817 W NORTH LOOP BLVD. 512-990-6400
AUSTIN, TX 78756
737-255-4863

ATMOS JACKY YU 3110 N. I-35 ROUND ROCK, TX 78681 512-310-3801
ONCOR SCOTT BAUMBACH 350 TEXAS AVE. ROUND ROCK, TX 78664 512-244-5693

BENCHMARKS:

T.B.M."A":
CHISELED "X" IN CONCRETE SET IN CENTER OF CURB INLET ON THE NORTHEASTERN SIDE OF EAST PFLUGERVILLE PARKWAY APPROXIMATELY 638 FEET NORTHWEST OF THE CENTER MEDIAN OF COLORADO SAND DRIVE AND APPROXIMATELY 114 FEET NORTHEAST FROM THE NORTHWESTERN CORNER OF THE PROJECT SITE. ELEVATION 687.45' (NAVD 88) AS A RESULT OF THE ON THE GROUND SURVEY COMPLETED MARCH 2022.

(GRID COORDINATES)
N = 10,138,211.9498
E = 3,160,501.9799
ELV. 687.45'

T.B.M."B":
CHISELED "X" IN CONCRETE SET ON TOP OF CURB ON THE NORTHEASTERN SIDE OF EAST PFLUGERVILLE PARKWAY APPROXIMATELY 125 FEET SOUTHEAST OF THE CENTER MEDIAN OF COLORADO SAND DRIVE AND APPROXIMATELY 242 FEET NORTHEAST FROM THE NORTHEASTERN CORNER OF THE PROJECT SITE. ELEVATION OF 687.73' (NAVD 88) AS RESULT OF THE ON THE GROUND SURVEY COMPLETED MARCH 2022.

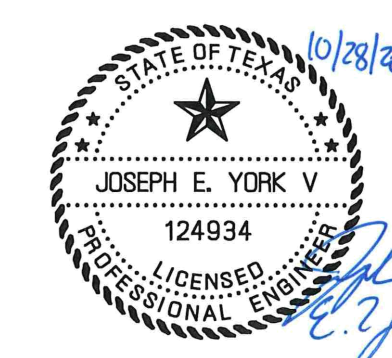
(GRID COORDINATES)
N = 10,137,834.3688
E = 3,161,165.4069
ELV. 687.73'

REVISIONS/CORRECTIONS

Table with columns: No., DESCRIPTION, REVISE (R) DELETE (D) ADD (A) SHEET No'S, TOTAL SHEETS IN PLAN SET, NET CHANGE IMPERV. COVER SF, TOTAL SITE IMPERV. COVER SF / %, CITY OF PFLUGERVILLE APPROVAL DATE, DATE IMAGED



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PRELIMINARY PLAN ONLY
NOT FOR RECORDATION

SHEET NO.

OF 19

1

07.05.2022

PRELIMINARY PLAN

EAST PFLUGERVILLE PARKWAY COMMERCIAL CENTER

JOB NUMBER S0977-0008-00



CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	TANGENT
C1	50.00'	78.32'	89°44'36"	N15°38'32"W	70.55'	49.78'
C2	840.00'	588.69'	40°19'16"	N9°19'08"E	576.72'	307.02'
C3	50.00'	78.94'	89°39'56"	N34°04'30"E	70.71'	50.00'
C4	10982.11'	728.64'	3°48'24"	S6°49'42"E	729.51'	364.95'
C5	50.00'	78.77'	90°15'58"	S74°21'45"W	70.87'	50.23'
C6	760.00'	533.63'	40°19'16"	S9°19'08"W	521.79'	277.78'
C7	50.00'	78.54'	90°00'00"	N55°55'30"W	70.71'	50.00'
C8	20593.90'	100.69'	0°16'48"	N4°39'45"W	100.69'	50.35'

BENCHMARKS:

T.B.M. "A":

CHISELED "X" IN CONCRETE SET IN CENTER OF CURB INLET ON THE NORTHEASTERN SIDE OF EAST PFLUGERVILLE PARKWAY APPROXIMATELY 638 FEET NORTHWEST OF THE CENTER MEDIAN OF COLORADO SAND DRIVE AND APPROXIMATELY 114 FEET NORTHEAST FROM THE NORTHWESTERN CORNER OF THE PROJECT SITE. ELEVATION 687.45' (NAVD 88) AS A RESULT OF THE ON THE GROUND SURVEY COMPLETED MARCH 2022.

(GRID COORDINATES)
N = 10,138,211.9498
E = 3,160,501.9799
ELV. 687.45'

T.B.M. "B":

CHISELED "X" IN CONCRETE SET ON TOP OF CURB ON THE NORTHEASTERN SIDE OF EAST PFLUGERVILLE PARKWAY APPROXIMATELY 125 FEET SOUTHEAST OF THE CENTER MEDIAN OF COLORADO SAND DRIVE AND APPROXIMATELY 242 FEET NORTHEAST FROM THE NORTHEASTERN CORNER OF THE PROJECT SITE. ELEVATION OF 687.73' (NAVD 88) AS RESULT OF THE ON THE GROUND SURVEY COMPLETED MARCH 2022.

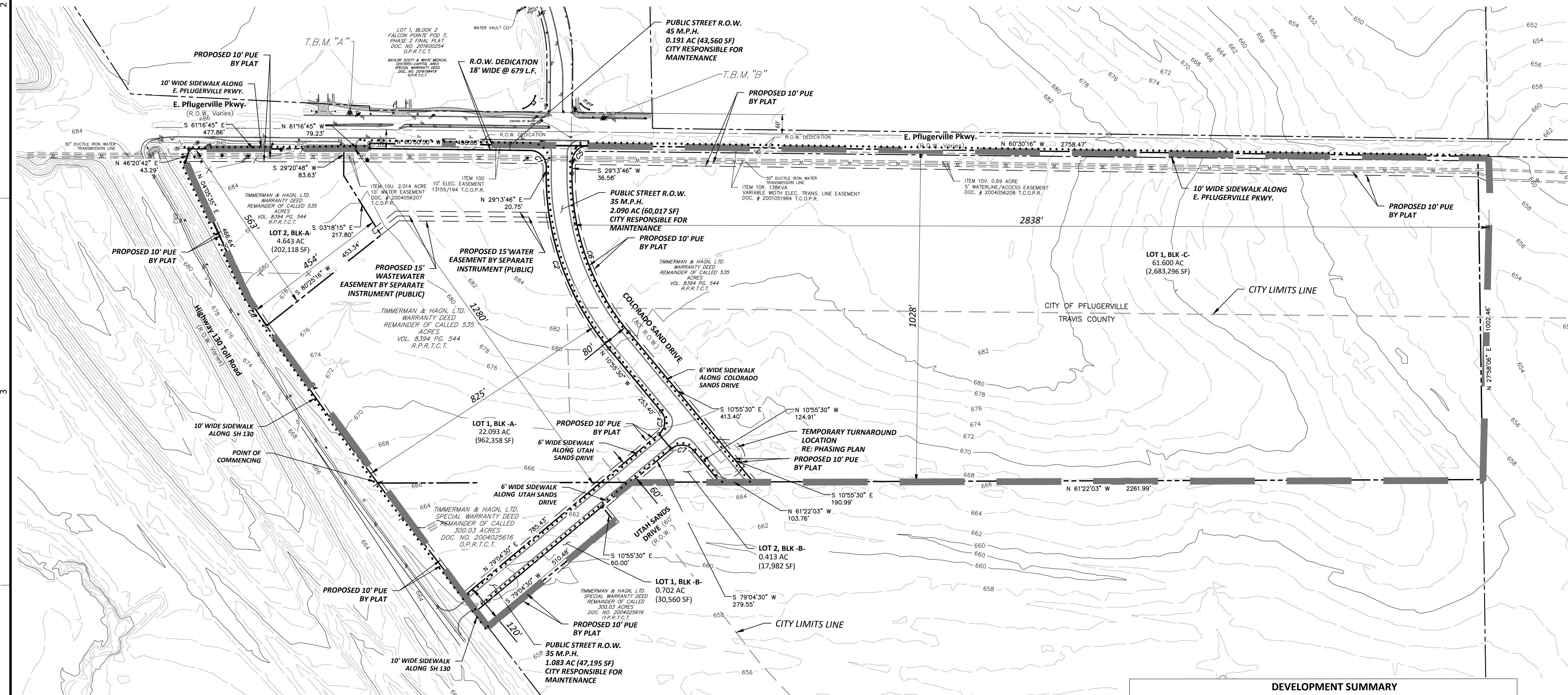
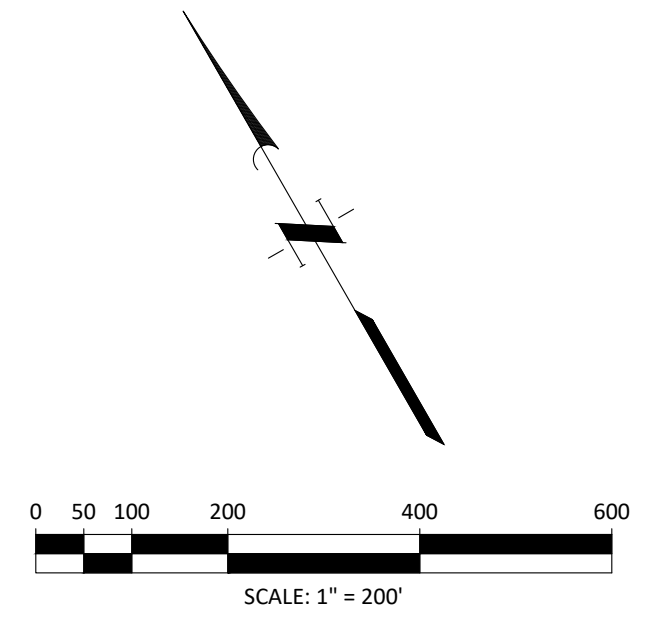
(GRID COORDINATES)
N = 10,137,834.3688
E = 3,161,165.4069
ELV. 687.73'

GENERAL PLAN NOTES:

- NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS DELINEATED ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0280J FOR TRAVIS COUNTY, EFFECTIVE AUGUST 18, 2014.
- DEVELOPMENT PLANS FOR RESERVE TRACT 2 SHOWN HEREIN ARE UNKNOWN AT THIS TIME. ANY DIVISION OR PROPOSED DEVELOPMENT OF RESERVE TRACT 2 SHALL REQUIRE A NEW/REVISION TO THE PRELIMINARY PLAN (AS DETERMINED BY THE PLANNING DIRECTOR) TO DEFINE THE FULL CONFIGURATION OF THE DEVELOPMENT, INCLUDING BUT NOT LIMITED TO THE PROPOSED LAND USE, LOT CONFIGURATION, TRAFFIC IMPACT ANALYSIS, ALL ROAD EXTENSIONS AND ALIGNMENTS, DRAINAGE AND FLOODPLAIN, AND ALL UTILITY EXTENSIONS.
- DEVELOPMENT PHASING IS SHOWN ON SHEET 19 - PRELIMINARY DEVELOPMENT PHASING PLAN.
- LOT 1, BLOCK B WILL BE OWNED AND MAINTAINED BY THE CITY OF PFLUGERVILLE.

LEGEND

- PROPERTY LINE
- PROPOSED SIDEWALK
- - - - - PROPOSED LOT LINE
- 100-YEAR FLOOD PLAIN
- W W FIRE HYDRANT W/ GATE VALVE
- W W WATERLINE W/ GATE VALVE
- W W WATERLINE W/ METER
- W W WASTEWATER W/ MANHOLE
- W W WASTEWATER W/ CLEANOUT
- SS STORM SEWER W/ MANHOLE
- SS STORM SEWER W/ CURB INLET
- OVERHEAD ELEC W/ POWER POLE
- GAS LINE
- LIMITS OF PRELIMINARY PLAN BOUNDARY
- XX.XX PROPOSED
- XX.XX EXISTING
- PROPOSED TEXT CALL-OUT
- EXISTING TEXT CALL-OUT



ROADWAY CLASSIFICATION TABLE				
STREET NAME	SPEED LIMIT	ROW DEDICATION ACRES / (SF)	MAINTENANCE RESPONSIBLE	ROAD CLASSIFICATION
E. PFLUGERVILLE PKWY	45 MPH	0.22 AC. (43,560 SF)	CITY	MAJOR ARTERIAL
COLORADO SAND DRIVE	35 MPH	2.07 AC (60,017 SF)	CITY	URBAN 3 LANE
UTAH SANDS DRIVE	35 MPH	1.75 AC. (766,267 SF)	CITY	MINOR COLLECTOR

DEVELOPMENT SUMMARY			
LOT	ACREAGE	LAND USE	PHASE
LOT 2, BLK -A-	4.643 AC	COMMERCIAL	PHASE 2
LOT 1, BLK -A-	22.093 AC	COMMERCIAL	PHASE 1
LOT 1, BLK -B-	0.702 AC	PUBLIC DRAINAGE	PHASE 1
LOT 1, BLK -C-	61.600 AC	AGRICULTURAL	PHASE 3
LOT 2, BLK -B-	0.413 AC	AGRICULTURAL	PHASE 3
COLORADO SAND DR. AREA	2.376 AC	PUBLIC ROW	PHASE 1
COLORADO SAND DR. LENGTH	1,061 FT	PUBLIC ROW	PHASE 1
COLORADO SAND DR. WIDTH	80 FT	PUBLIC ROW	PHASE 1
UTAH SANDS DRIVE AREA	1.083 AC	PUBLIC ROW	PHASE 1
UTAH SANDS DRIVE LENGTH	877 FT	PUBLIC ROW	PHASE 1
UTAH SANDS DRIVE WIDTH	60 FT	PUBLIC ROW	PHASE 1
E PFLUGERVILLE PKWY ROW AREA	0.191 AC	PUBLIC ROW	PHASE 1
E PFLUGERVILLE PKWY ROW LEN.	679 FT	PUBLIC ROW	PHASE 1
E PFLUGERVILLE PKWY ROW WIDTH	VARIABLE	PUBLIC ROW	PHASE 1
TOTAL ACREAGE	93.101 AC		
TOTAL NO. OF LOTS	5		

LEGAL DESCRIPTION

BEING a 93.101-acre tract of land situated in the J. Davis Survey, Abstract No. 231, and the S. Eiselin Survey, Abstract No. 265, Travis County, Texas, and being a portion of the remainder of that certain tract of land called to contain 535 acres to Timmerman & Hagn, LTD. as described in Volume 8394, Page 544, corrected in Volume 8517, Page 875 of the Real Property Records of Travis County, Texas and further described by metes and bounds in Volume 365, Page 165 of the Deed Records of Travis County, Texas, and a portion of the remainder of a called 300.03 acre tract to Timmerman & Hagn, Ltd., as described in a Special Warranty Deed in Document No. 2004025616 of the Official Public Records of Travis County, Texas; said 93.101 acre tract of land being more particularly described as follows, with bearings based on the Texas Coordinate System of 1983, Central Zone:

BEGINNING: at a 1/2-inch iron rod with TxDOT aluminum cap found on the northeastern line of State Highway 130, the southern line of the remainder of the said 535-acre tract, the northern line of the remainder of that certain tract of land called to contain 300.03 acres to Timmerman & Hagn, LTD as described in a Special Warranty Deed in Document No. 2004025616 of the Official Public Records of Travis County, Texas, 1/2-inch iron being the southeastern corner of Parcel 163A -- 22.067 acres to the State of Texas as described in a Special Warranty Deed in Document No. 2004016878 of the Official Public Records of Travis County, Texas and the northeastern corner of Parcel 163B -- 35.165 acres to the State of Texas as described in a Special Warranty Deed in Document No. 2004016876 of the Official Public Records of Travis County, Texas, for a corner of this herein described tract;

THENCE: Along the eastern line of said State Highway 130, the eastern line of said Parcel 163A with a curve to the right having a Delta angle of 03°38'32", a Radius of 10982.11 feet, at an Arc length of 597.45 feet pass a 1/2-inch iron rod with cap stamped "CTLS" found, a total Arc length of 698.14 feet with the chord of the curve North 06°13'16" West a distance of 698.03 feet to a 5/8-inch iron rod with cap stamped "Jones|Carter" set for a corner of said State Highway 130, a corner of said Parcel 163A, for a corner of this herein described tract;

THENCE: North 04°05'28" East a distance of 466.38 feet continuing along the eastern line of said State Highway 130, the eastern line of said Parcel 163A to a 5/8-inch iron rod with cap stamped "Jones|Carter" set for a corner of said State Highway 130, a corner of said Parcel 163A, for a corner of this herein described tract;

THENCE: North 46°20'42" East a distance of 43.29 feet continuing along the eastern line of said State Highway 130, an eastern line of said Parcel 163A to a 5/8-inch iron rod with cap stamped "Jones|Carter" set for a corner of said State Highway 130, a corner of said Parcel 163A, for a corner of this herein described tract;

THENCE: South 61°16'45" East a distance of 477.96 feet pass a 1/2-inch iron rod with cap stamped "CTLS" found, a distance in all of 557.15 feet along a line of said Parcel 163A, a line of East Pflugerville Parkway (Right of Way varies) to a 1/2-inch iron rod with cap stamped "CTLS" found for a corner of said Parcel 163A, a corner of said East Pflugerville Parkway, for a corner of this herein described tract;

THENCE: North 28°43'20" East a distance of 16.66 feet along a line of said Parcel 163A, a line of said East Pflugerville Parkway to a 1/2-inch iron rod with cap stamped "CTLS" found for a corner of said Parcel 163A, a corner of said East Pflugerville Parkway, for a corner of this herein described tract;

THENCE: South 60°30'50" East a distance of 499.07 feet along the southern line of said East Pflugerville Parkway to a 1/2-inch iron rod with cap stamped "CTLS" found for a corner of this herein described tract;

THENCE: South 60°30'15" East a distance of 179.91 feet continuing along the southern line of said East Pflugerville Parkway to a 5/8-inch iron rod with cap stamped "Jones|Carter" set for a corner of this herein described tract;

THENCE: South 60°30'15" East a distance of 2758.47 feet continuing along the southern line of said East Pflugerville Parkway, at 179.91 feet to a 5/8-inch iron rod with cap stamped "Jones|Carter" set for the northeastern corner of this herein described tract;

THENCE: South 27°58'06" West a distance of 1002.46 feet across the remainder of the said 535 acre tract to a 5/8-inch iron rod with cap stamped "Jones|Carter" set for the northeastern corner of the said 300.03-acre tract, for the southeastern corner of this herein described tract, from which a 1/2-inch iron rod (disturbed) found for the southeastern corner of the said 300.03-acre tract, the northeastern corner of that certain tract of land called to contain 236.03 acres to Timmerman & Hagn, LTD as described in a Special Warranty Deed in Document No. 2004025617 of the Official Public Records of Travis County, Texas, the northwestern corner of the remainder of that certain tract of land called to contain 97 1/2 acres to Timmerman Farms, Ltd as described in a Special Warranty Deed in Document No. 2004240371 of the Official Public Record of Travis County, Texas bears South 27°58'06" West a distance of 1760.70 feet;

THENCE: North 61°22'03" West a distance of 2261.99 feet along the southern line of the remainder of the said 535-acre tract, the northern line of the remainder of the said 300.03-acre tract to a calculated point for a corner of this herein described tract;

THENCE: South 79°04'30" West a distance of 117.80 feet across the remainder of the said 300.03-acre tract to a 5/8-inch iron rod with cap stamped "Jones|Carter" set for a corner of this herein described tract;

THENCE: South 10°55'30" East a distance of 60.00 feet continuing across the remainder of the said 300.03-acre tract to a 5/8-inch iron rod with cap stamped "Jones|Carter" set for a corner of this herein described tract;

THENCE: South 79°04'30" West a distance of 510.48 feet continuing across the remainder of the said 300.03-acre tract to a 5/8-inch iron rod with cap stamped "Jones|Carter" set on the eastern line of said State Highway 130 (Parcel 163B), a western line of the remainder of the said 300.03-acre tract, for the westernmost southwestern corner of this herein described tract;

THENCE: North 08°43'50" West along the eastern line of the said State Highway 130 (Parcel 163B), a western line of the remainder of the said 300.03-acre tract, at 120.09 feet pass a 1/2-inch iron rod with cap stamped "CTLS" found, a distance in all of 428.83 feet to a 1/2-inch iron rod with TxDOT aluminum cap found for a corner of said State Highway 130, a corner of the remainder of the said 300.03-acre tract, for a corner of this herein described tract;

THENCE: Continuing along the eastern line of said State Highway 130 (Parcel 163B), a western line of the remainder of the said 300.03-acre tract with a curve to the right having a Delta angle of 00°41'23", a distance of 132.19 feet to the POINT OF BEGINNING and CONTAINING an area of 93.101 acres of land.

PRELIMINARY PLAN ONLY
NOT FOR RECORDATION

App. _____

Date _____

No. _____

REVISIONS

DESIGNED BY: _____

CHECKED BY: _____

DRAWN BY: _____

SCALE: AS SHOWN

DATE: 07.05.2022

JOB NO.: 50977-0006-00

SHEET NO. _____

OF 19

EAST PFLUGERVILLE PARKWAY
COMMERCIAL CENTER

PRELIMINARY PLAN

2

© 2022 Quiddity

K:\50977\50977-0006-00 heb pflugerville - store planning\2 design phase\CAD\Plans\Site\preliminary plan\50977-0008 Prelim Plan.dwg KS: October 28, 2022

QUIDDITY

Texas Board of Professional Engineers and Land Surveyors, Reg. No. E-23290
4350 Lockhill-Selma Road, Suite 300 • San Antonio, Texas 78249 • 210-494-5511

DESIGNED BY: _____

CHECKED BY: _____

DRAWN BY: _____

SCALE: AS SHOWN

DATE: 07.05.2022




JOB NO.: 50977-0006-00

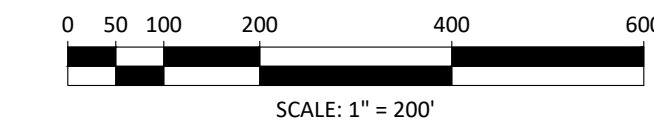
10/28/2022

STATE OF TEXAS
JOSEPH E. VOJK V
124934
LICENSED PROFESSIONAL ENGINEER













CURVE TABLE						
RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	TANGENT	
C1	50.00'	78.32'	89°44'36"	N19°38'10"W	70.55'	49.78'
C2	840.00'	588.69'	40°19'16"	N9°19'08"E	576.72'	307.02'
C3	50.00'	78.54'	89°59'56"	N34°04'30"E	70.71'	50.00'
C4	10982.11'	729.64'	3°48'24"	S6°49'42"E	729.51'	364.95'
C5	50.00'	78.77'	90°15'58"	S74°21'45"W	78.87'	50.21'
C6	760.00'	532.63'	40°19'16"	S9°19'08"W	521.79'	277.78'
C7	50.00'	78.54'	80°00'00"	N55°55'30"W	70.71'	50.00'

DEMOLITION LEGEND

-  DEMOLITION AREAS
-  DEMOLITION SPECIFIC ITEMS
-  LIMIT OF CONSTRUCTION

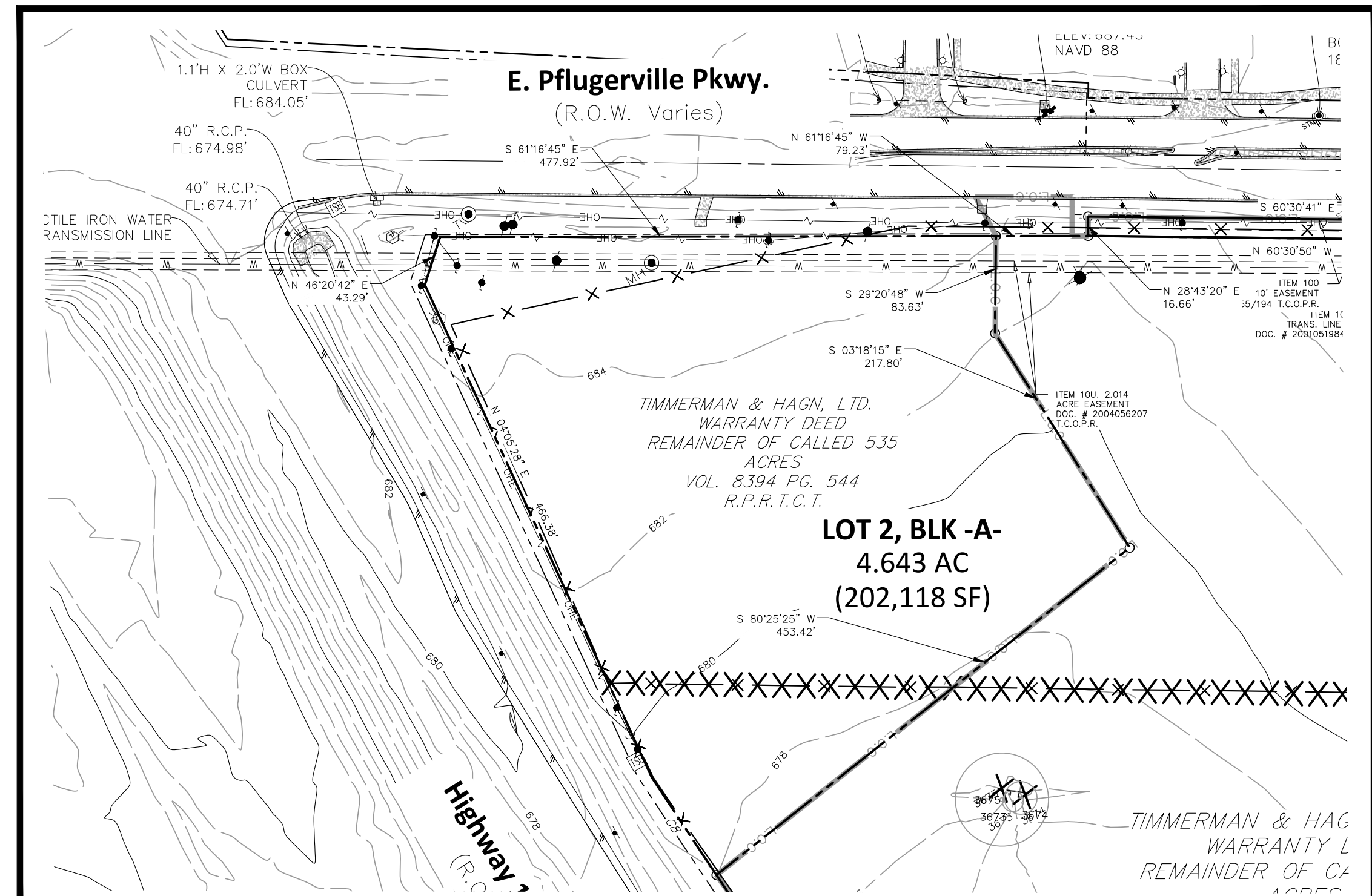
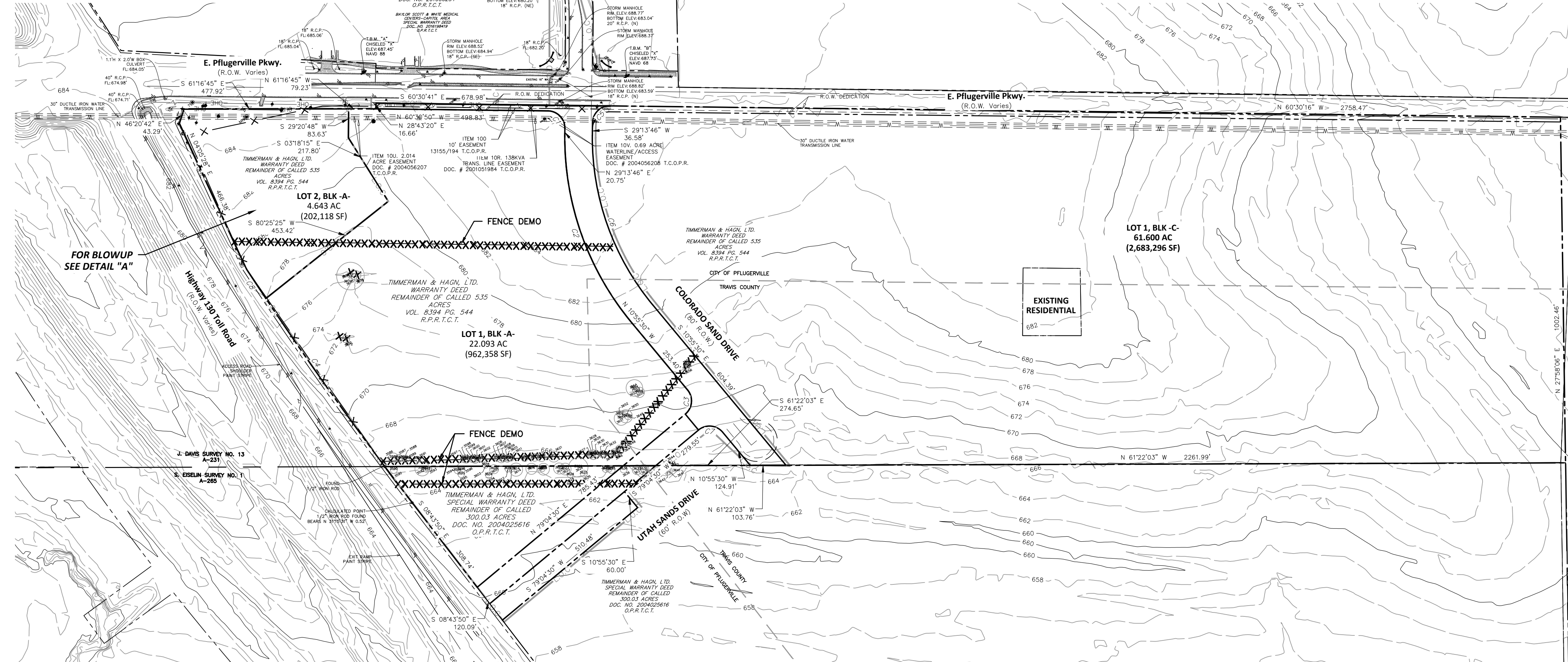


LEGEND

-  FIRE HYDRANT W/ GATE VALVE
-  WATERLINE W/ GATE VALVE
-  WATERLINE W/ METER
-  WASTEWATER W/ MANHOLE
-  WASTEWATER W/ CLEANOUT
-  STORM SEWER W/ MANHOLE
-  STORM SEWER W/ CURB INLET
-  OVERHEAD ELEC W/ POWER POLE
-  GAS LINE
-  GROUND CONTOUR
-  TREE TO REMAIN
-  TREE TO BE REMOVED

TREE LOG

TREE TAG NUMBER	TREE TYPE	CALIPER INCH	REMOVED	PROTECTED	HERITAGE	NOTES
3586	Hackberry	14	Yes			Fair
3587	Hackberry	11	Yes			Fair
3588	Hackberry	8	Yes			Fair
3589	Hackberry	10	Yes			Fair
3590	Hackberry	10	Yes			Fair
3591	Hackberry	8	Yes			Fair
3592	Hackberry	21	Yes	Yes		Multi-stem
3593	Hackberry	8	Yes			Fair
3594	Hackberry	8	Yes			Fair
3595	Hackberry	9	Yes			Fair
3596	Hackberry	11	Yes			Fair
3597	Hackberry	11	Yes			Fair
3598	Hackberry	11	Yes			Fair
3599	Hackberry	11	Yes			Fair
3600	Hackberry	12	Yes			Fair
3601	Hackberry	8	Yes			Fair
3602	Hackberry	10	Yes			Fair
3603	Bois D'arc	8	Yes			Fair
3604	Hackberry	9	Yes			Fair
3605	Hackberry	13	Yes			Fair
3606	Hackberry	9	Yes			Fair
3607	Hackberry	10	Yes			Fair
3608	Hackberry	10	Yes			Fair
3609	Hackberry	10	Yes			Fair
3610	Hackberry	9	Yes			Fair
3611	Hackberry	8	Yes			Fair
3612	Hackberry	8	Yes			Fair
3613	Hackberry	8	Yes			Fair
3614	Bois D'arc	19	Yes	Yes		Multi-stem
3615	Hackberry	9	Yes			Fair
3616	Hackberry	16	Yes			Fair
3617	Hackberry	11	Yes			Fair
3618	Hackberry	13	Yes			Fair
3619	Hackberry	17	Yes			Fair
3620	Hackberry	8	Yes			Fair
3621	Hackberry	16	Yes			Twin
3622	Bois D'arc	16	Yes			Twin
3623	Hackberry	17	Yes			Fair
3624	Hackberry	8	Yes			Fair
3625	Hackberry	10	Yes			Fair
3626	Bois D'arc	28	Yes		Yes	Fair
3627	Hackberry	10	Yes			Fair
3628	Hackberry	9	Yes			Twin
3629	Hackberry	14	Yes			Fair
3630	Hackberry	8	Yes			Fair
3631	Hackberry	8	Yes			Fair
3632	Hackberry	10	Yes			Fair
3633	Hackberry	10	Yes			Fair
3634	Hackberry	9	Yes			Fair
3635	Hackberry	11	Yes			Fair
3636	Hackberry	10	Yes			Twin
3637	Gum Bumelia	24	Yes			Multi-stem
3638	Hackberry	15	Yes			Twin
3639	Hackberry	8	Yes			Fair
3640	Hackberry	9	No			Fair
3641	Hackberry	12	No			Fair
3642	Hackberry	8	No			Fair
3643	Hackberry	15	No			Twin
3644	Hackberry	8	No			Fair
3645	Hackberry	11	Yes			Fair
3646	Hackberry	8	Yes			Fair
3647	Bois D'arc	13	Yes			Twin
3648	Hackberry	10	Yes			Fair
3649	Hackberry	8	Yes			Fair
3650	Bois D'arc	19	Yes	Yes		Multi-stem
3651	Bois D'arc	20	Yes	Yes		Multi-stem
3652	Hackberry	8	Yes			Fair
3653	Bois D'arc	10	Yes			Fair
3654	Bois D'arc	24	Yes		Yes	Multi-stem
3655	Bois D'arc	15	Yes			Multi-stem
3656	Hackberry	9	Yes			Fair
3657	Hackberry	8	Yes			Fair
3672	Hackberry	11	No			Fair
3673	Cottonwood	9	No			Fair
3674	Hackberry	14	No			Twin
3675	Cottonwood	40	No		Yes	Dying



DETAIL "A"
SCALE: 1" = 100'

PRELIMINARY PLAN ONLY
NOT FOR RECORDATION

App. _____

REVISIONS _____

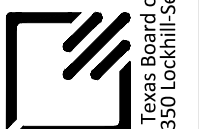
Date _____

No. _____

DESIGNED BY: _____

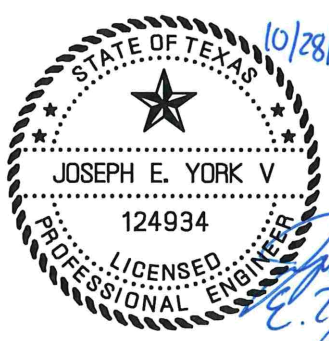
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DRAWN BY: _____



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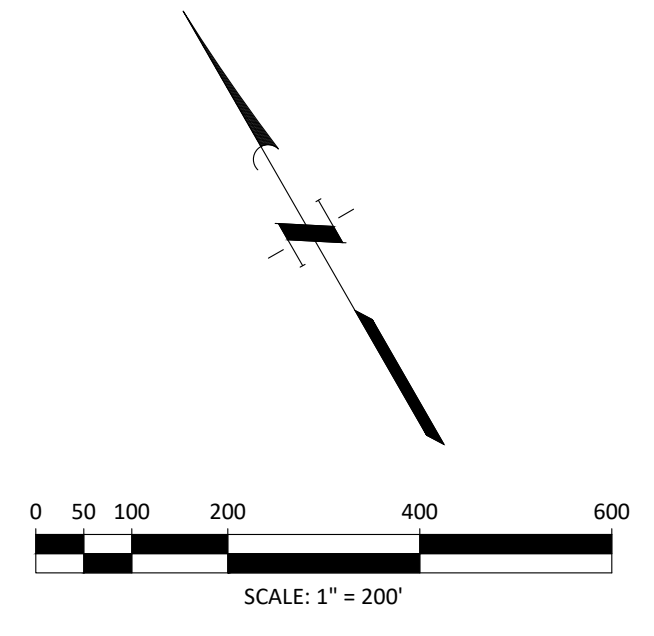
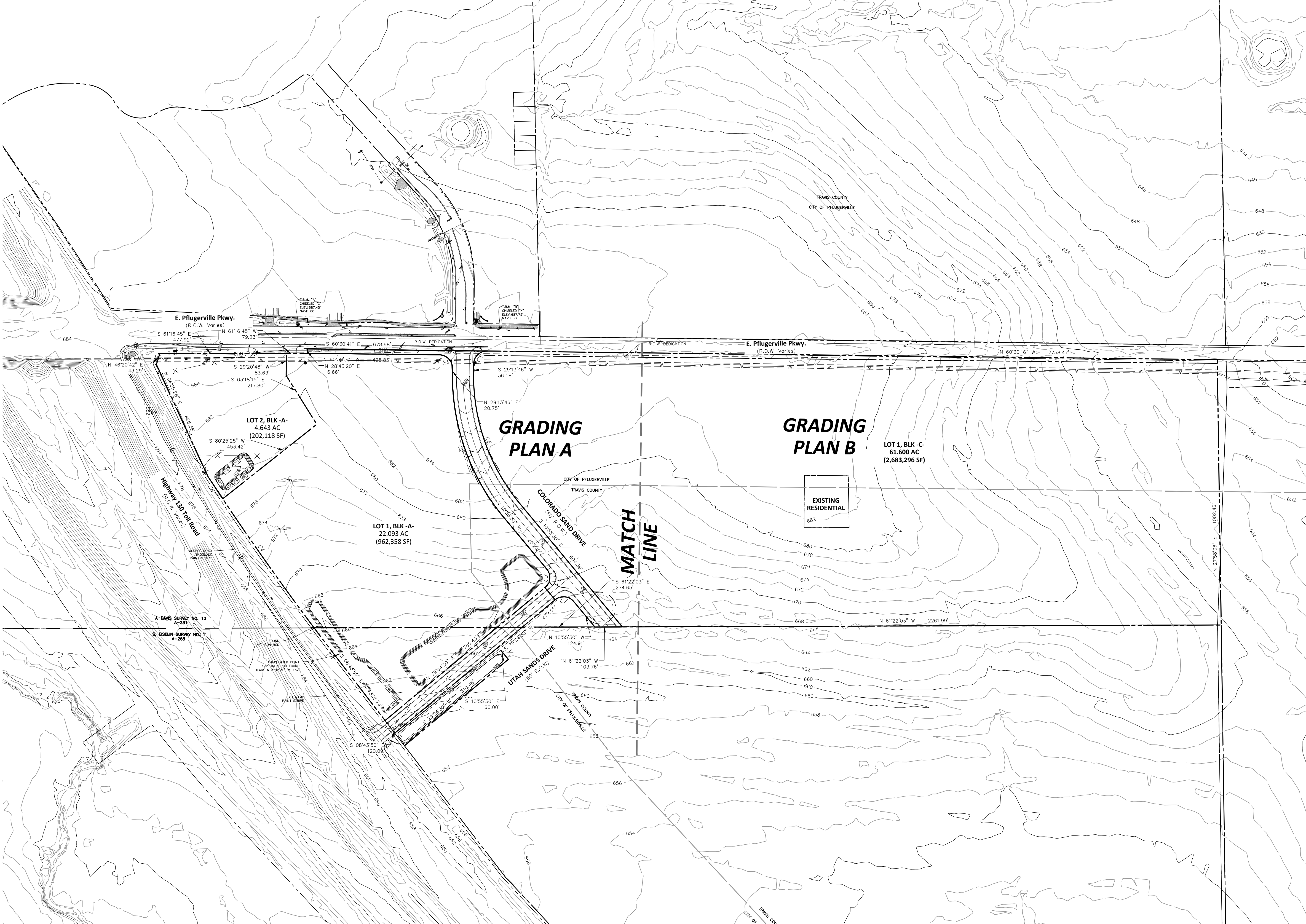
EAST PFLUGERVILLE PARKWAY
COMMERCIAL CENTER

EXISTING CONDITIONS

SHEET NO. **3**

OF 19

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	TANGENT
C1	50.00'	78.32'	89°44'36"	N15°38'32"W	70.55'	49.78'
C2	840.00'	588.69'	40°09'16"	N9°09'08"E	576.72'	307.02'
C3	50.00'	78.54'	89°59'56"	N34°04'30"E	70.71'	50.00'
C4	10882.11'	729.64'	3°48'24"	S6°49'42"E	729.51'	364.95'
C5	50.00'	76.77'	90°15'58"	S74°21'45"W	70.87'	50.23'
C6	760.00'	532.63'	40°09'16"	S9°09'08"W	521.79'	277.78'
C7	50.00'	78.54'	90°00'00"	N55°55'30"W	70.71'	50.00'
C8	20593.90'	100.69'	0°16'48"	N4°39'45"W	100.69'	50.35'



GENERAL PLAN NOTES:

- NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS DELINEATED ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0280J FOR TRAVIS COUNTY, EFFECTIVE AUGUST 18, 2014.

GRADING LEGEND

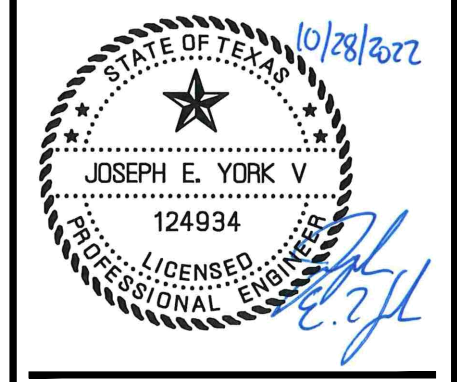
	SLOPE ARROW
	FINISHED FLOOR ELEVATION
	FINISHED CONTOUR
	EXISTING CONTOUR
	HIGH POINT
	FINISHED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	EARTH SWALE

App.	Date	REVISIONS

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 CHECKED BY: KF/JY
 DRAWN BY: CAD

SCALE: AS SHOWN
 DATE: 07.05.2022
 JOB NO.: 50977-0008-00

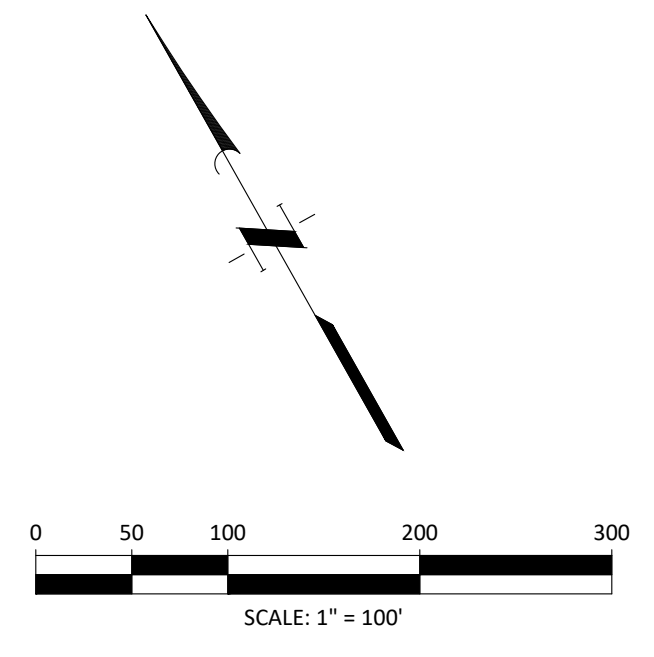
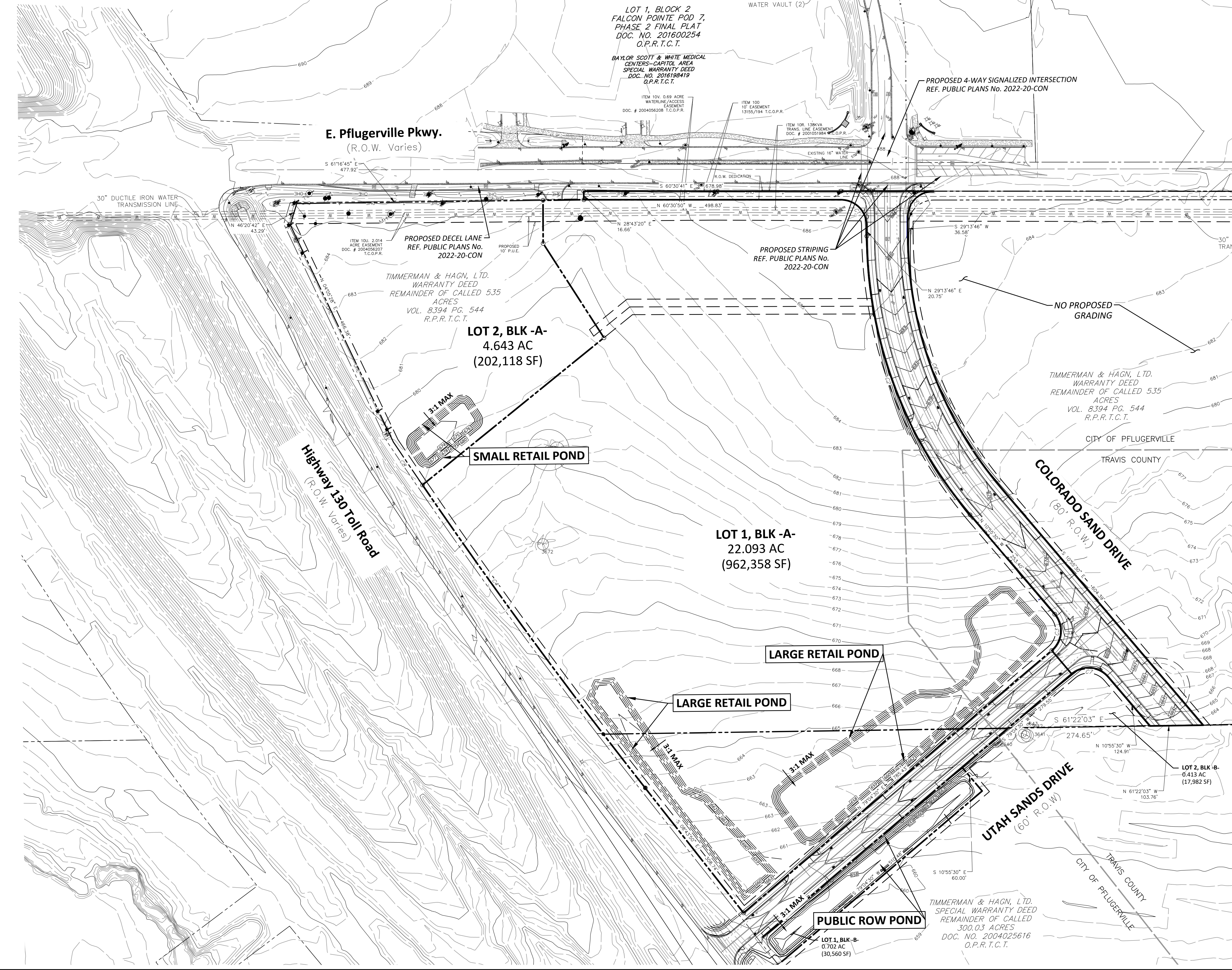


**EAST PFLUGERVEILLE PARKWAY
 COMMERCIAL CENTER**

**PRELIMINARY GRADING PLAN
 (OVERALL)**

PRELIMINARY PLAN ONLY
 NOT FOR RECORDATION

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	TANGENT
C1	50.00'	78.32'	89°44'36"	N15°38'32"W	70.55'	49.78'
C2	840.00'	588.69'	40°09'16"	N9°09'08"E	576.72'	307.02'
C3	50.00'	78.54'	89°09'56"	N14°04'30"E	70.71'	50.00'
C4	10982.11'	729.64'	3°48'24"	S6°49'42"E	729.51'	364.95'
C5	50.00'	78.77'	80°15'58"	S74°21'45"W	70.87'	50.23'
C6	760.00'	532.63'	40°09'16"	S9°09'08"W	521.79'	277.78'
C7	50.00'	78.54'	90°00'00"	N55°55'30"W	70.71'	50.00'



GENERAL PLAN NOTES:

- THE LOCATION OF THE SMALL RETAIL POND MAY BE RELOCATED TO THE CORNER OF LOT 1, BLOCK A, BUT WILL STILL PROVIDE DETENTION FOR LOT 2, BLOCK A.

GRADING LEGEND

	SLOPE ARROW
	FINISHED FLOOR ELEVATION
	FINISHED CONTOUR
	EXISTING CONTOUR
	HIGH POINT
	FINISHED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	EARTH SWALE

App. _____

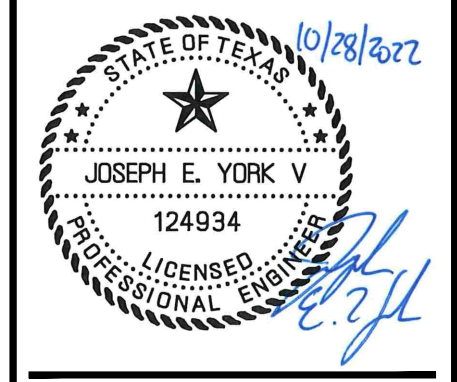
REVISIONS

No.	Date	Description

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 DATE: 07.05.2022
 JOB NO.: 50977-0008-00

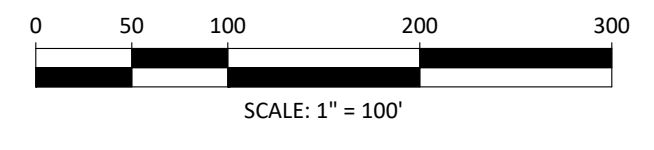
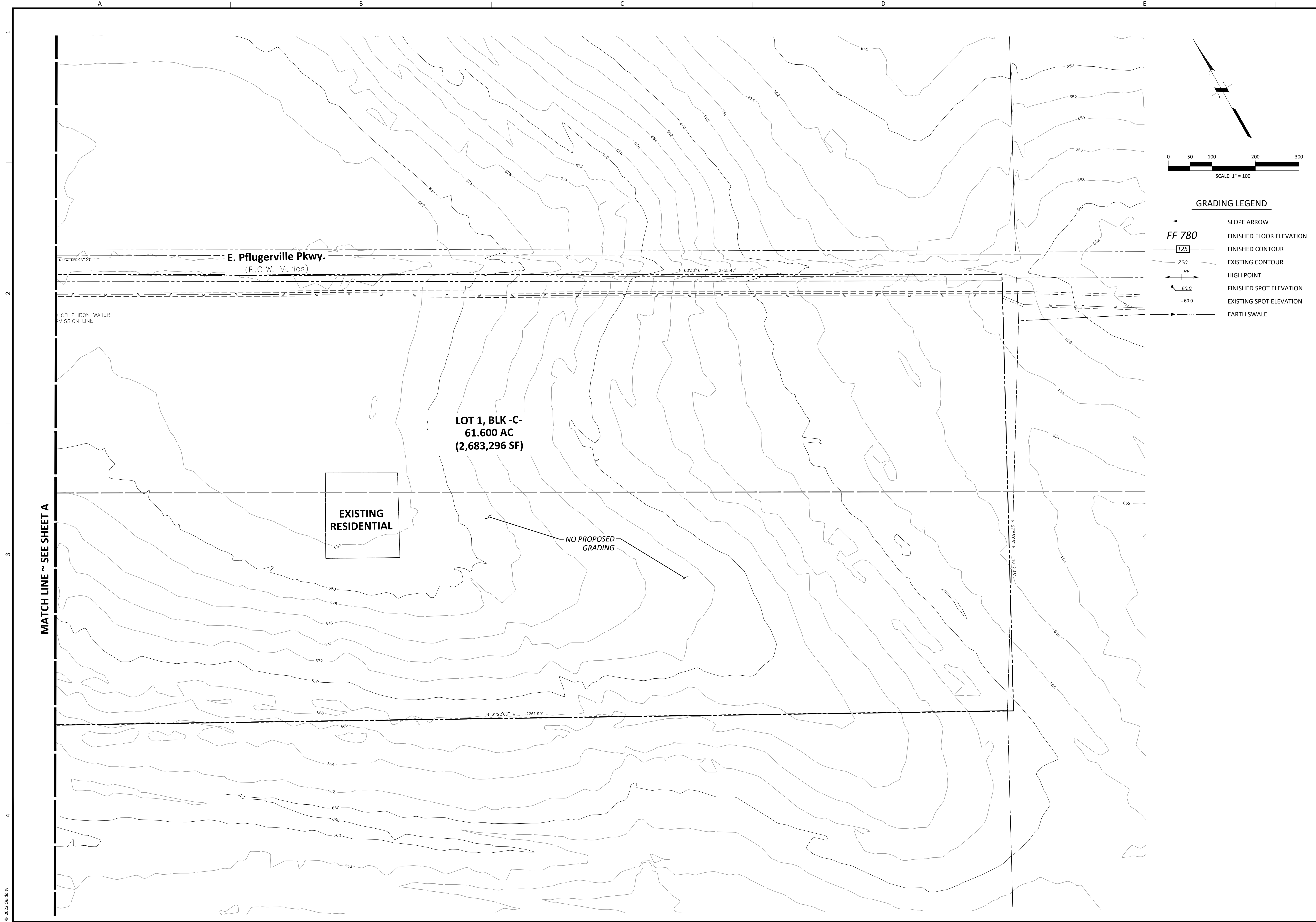


EAST PFLUGERVILLE PARKWAY
 COMMERCIAL CENTER

**PRELIMINARY
 GRADING PLAN A**

SHEET NO. **5**

OF 19

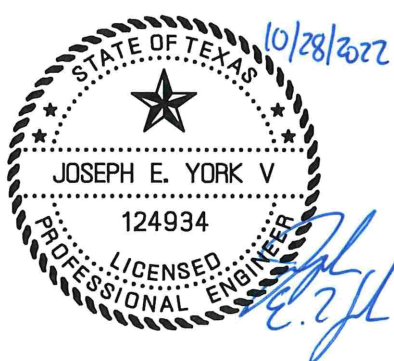


GRADING LEGEND

- SLOPE ARROW
- FINISHED FLOOR ELEVATION
- FINISHED CONTOUR
- EXISTING CONTOUR
- HIGH POINT
- FINISHED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- EARTH SWALE

REVISIONS

No.	Date	App.



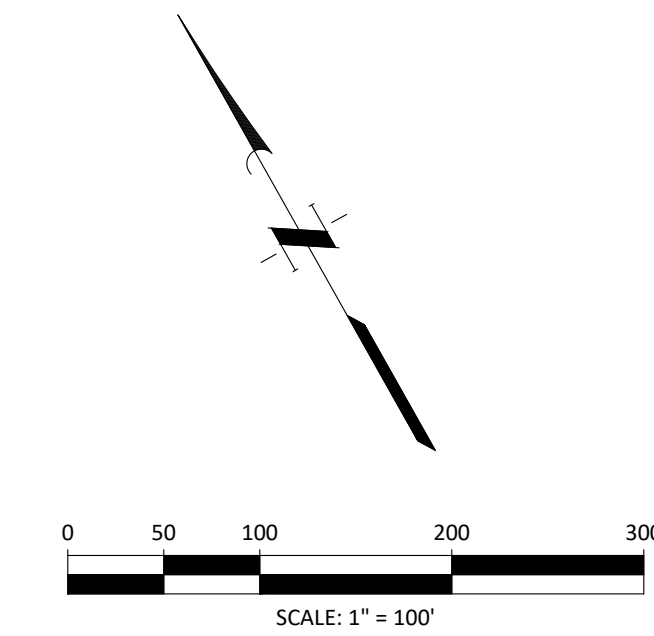
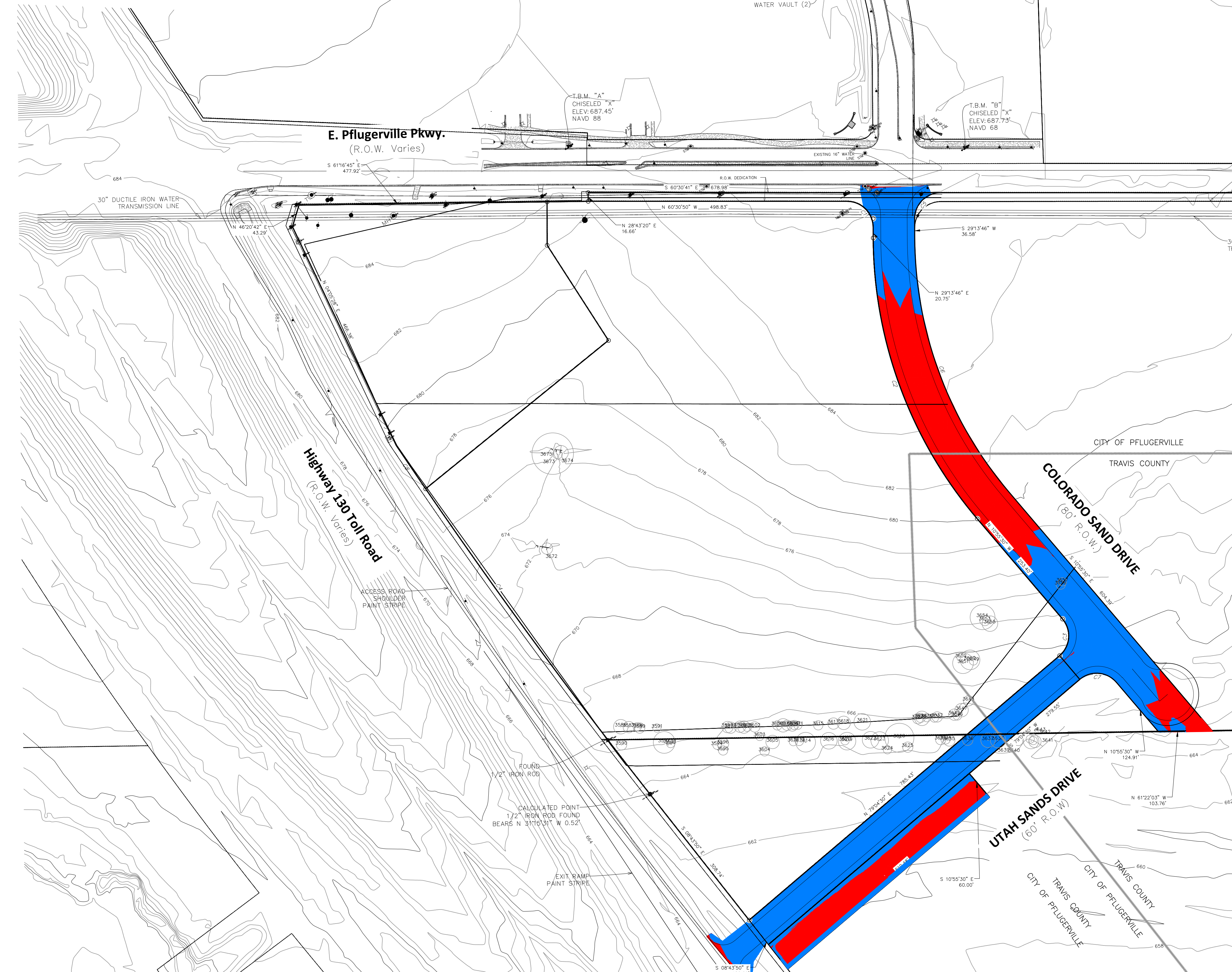
**EAST PFLUGERVEILLE PARKWAY
COMMERCIAL CENTER**

**PRELIMINARY
GRADING PLAN B**

SHEET NO. **6**

OF 19

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	TANGENT
C1	50.00'	78.32'	89°44'36"	N15°38'32"W	70.55'	49.78'
C2	840.00'	588.69'	40°09'16"	N9°09'08"E	576.72'	307.02'
C3	50.00'	78.54'	89°09'56"	N14°04'30"E	70.71'	50.00'
C4	10982.11'	729.64'	3°48'24"	S6°49'42"E	729.51'	364.95'
C5	50.00'	78.77'	90°15'58"	S74°21'45"W	70.87'	50.23'
C6	760.00'	532.63'	40°09'16"	S9°09'08"W	521.79'	277.78'
C7	50.00'	78.54'	90°00'00"	N55°55'50"W	70.71'	50.00'



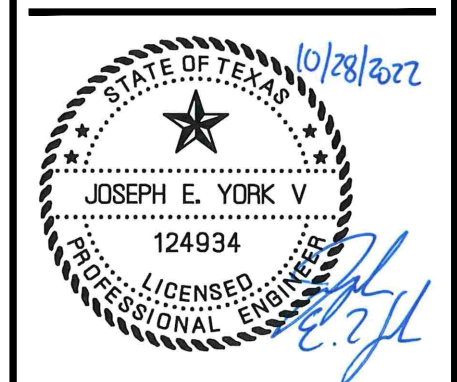
- GRADING LEGEND**
- SLOPE ARROW
 - FINISHED FLOOR ELEVATION
 - FINISHED CONTOUR
 - EXISTING CONTOUR
 - HIGH POINT
 - FINISHED SPOT ELEVATION
 - EXISTING SPOT ELEVATION
 - EARTH SWALE
 - EXTREME EVENT ARROW
 - LIMITS OF CONSTRUCTION
 - LIMITS OF CUT
 - LIMITS OF FILL

App.	Date	REVISIONS

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SCALE: AS SHOWN
 DATE: 07.05.2022
 JOB NO.: 50977-0008-00

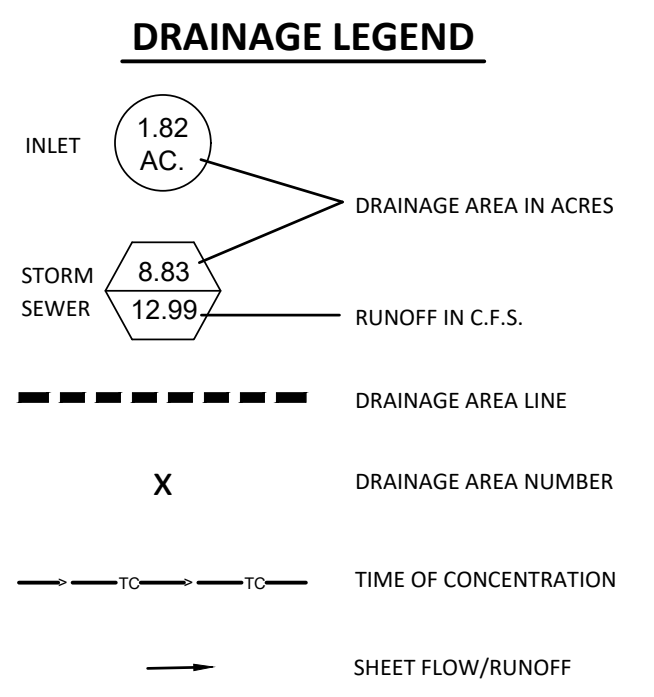
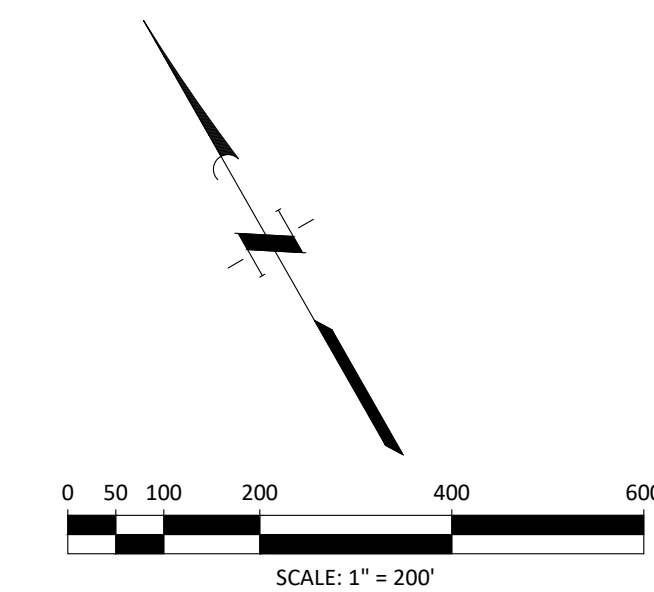
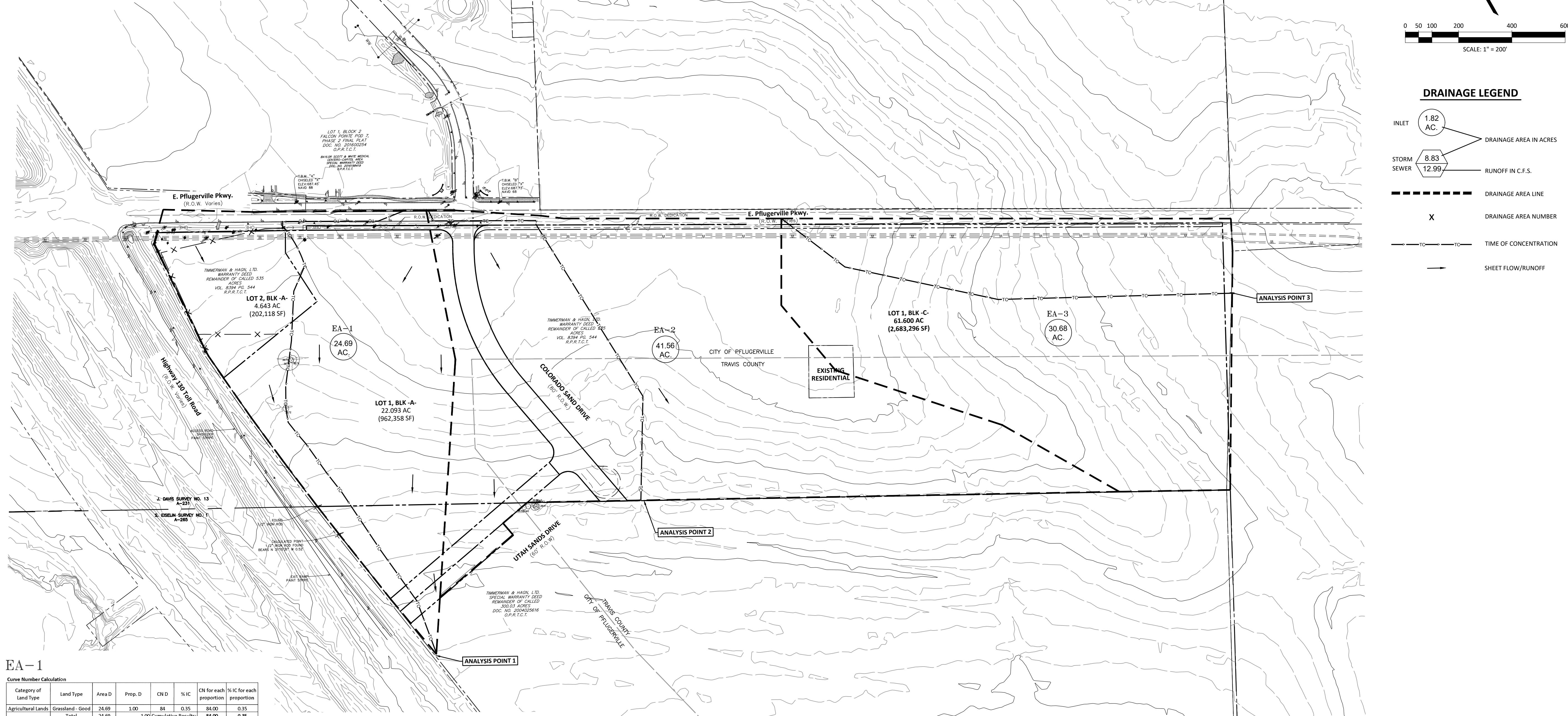


**EAST PFLUGERVILLE PARKWAY
 COMMERCIAL CENTER**

**PRELIMINARY CUT
 AND FILL PLAN**

SHEET NO. **7**
 OF 19

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	TANGENT
C1	50.00'	78.32'	89°44'36"	N15°38'52"W	70.55'	48.78'
C2	840.00'	588.69'	40°09'16"	N19°09'08"E	576.72'	307.02'
C3	50.00'	78.54'	89°59'56"	N34°04'30"E	70.71'	50.00'
C4	10982.11'	729.64'	3°48'24"	S6°49'42"E	729.51'	364.95'
C5	50.00'	78.77'	90°15'58"	S74°21'45"W	70.87'	50.23'
C6	760.00'	532.63'	40°09'16"	S19°09'08"W	521.79'	277.78'
C7	50.00'	78.54'	90°00'00"	N55°55'30"W	70.71'	50.00'



EA-1

Curve Number Calculation

Category of Land Type	Land Type	Area D	Prop. D	CN D	% IC	CN for each proportion	% IC for each proportion
Agricultural Lands	Grassland - Good	24.69	1.00	84	0.35	84.00	0.35
Total		24.69	1.00	Cumulative Result:		84.00	0.35

Results - Outflow Rate and Freeboard

Drainage Area	Allowable Flows				Proposed Pond Outflows				TOB	Max Allowable WSE	Proposed Pond WSEs				FB
	2yr	10yr	25yr	100yr	2yr	10yr	25yr	100yr			2yr	10yr	25yr	100yr	
DA-1	142.6	283.6	383.9	556.0	134.5	269.1	351.5	517.8	1086.58	1085.58	1081.00	1082.31	1083.20	1084.76	1.82
DA-3	132.5	260.9	351.2	505.7	119.8	236.1	331.3	504.0	1090.44	1089.44	1085.96	1087.30	1088.10	1089.24	1.20
DA-2	55.6	113.3	154.4	225.5	54.8	111.5	143.4	213.3	1089.28	1088.28	1084.52	1085.77	1086.66	1088.17	1.11
DA-4	55.6	107.4	143.8	206.1	34.4	82.6	123.1	193.8	1118.47	1117.47	1115.14	1116.05	1116.58	1117.38	1.09

EA-2

Curve Number Calculation

Category of Land Type	Land Type	Area D	Prop. D	CN D	% IC	CN for each proportion	% IC for each proportion
Agricultural Lands	Grassland - Good	41.56	1.00	84	1.37	84.00	1.37
Total		41.56	1.00	Cumulative Result:		84.00	1.37

Time of Concentration

$P_2 = 4.03 \text{ in.}$

$t_{c1} = \frac{0.007(n_{c1})^{0.88}}{P_2^{0.485} S_{c1}^{0.016}}$

$t_{c2} = \frac{L_{c1}}{3600 K S_{c1}^{0.5}}$

$t_{c3} = \frac{L_{c1}}{(3600 \frac{L_{c1}}{n_{c1}})^{0.58} S_{c1}^{0.12}}$

catchment name	L_{c1}	S_{c1}	n_{c1}	R	t_{c1}	t_{c2}	t_{c3}	t_c										
100	0.0184	Prairie Grass	4.03	0.150	0.1504	1491	0.018	16.13	0.1891	1	0	1.000	0.035	0.5	0.000	0.3395	20.37	12.22

EA-3

Curve Number Calculation

Category of Land Type	Land Type	Area D	Prop. D	CN D	% IC	CN for each proportion	% IC for each proportion
Agricultural Lands	Grassland - Good	30.68	1.00	84	2.88	84.00	2.88
Total		30.68	1.00	Cumulative Result:		84.00	2.88

Time of Concentration

$P_2 = 4.03 \text{ in.}$

$t_{c1} = \frac{0.007(n_{c1})^{0.88}}{P_2^{0.485} S_{c1}^{0.016}}$

$t_{c2} = \frac{L_{c1}}{3600 K S_{c1}^{0.5}}$

$t_{c3} = \frac{L_{c1}}{(3600 \frac{L_{c1}}{n_{c1}})^{0.58} S_{c1}^{0.12}}$

catchment name	L_{c1}	S_{c1}	n_{c1}	R	t_{c1}	t_{c2}	t_{c3}	t_c										
100	0.0171	Prairie Grass	4.03	0.150	0.1549	1667	0.017	16.13	0.2196	1	0	1.000	0.035	0.5	0.000	0.3745	22.47	13.48

Element	Drainage Area (ac.)	2-Year Peak Q (cfs)	25-Year Peak Q (cfs)	100-Year Peak Q (cfs)
EA-1	24.69	50.7	115.8	159.2
EA-2	41.56	100.4	227.1	311.4
EA-3	30.68	70.6	160.1	160.1

PRELIMINARY PLAN ONLY
NOT FOR RECORDATION

App. _____

REVISIONS

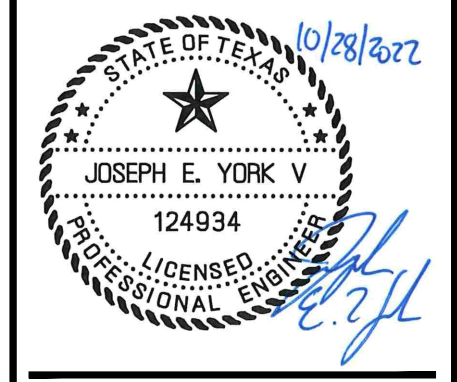
No.	Date	Description

QUIDDITY

DESIGNED BY: KF
CHECKED BY: KF/JY
DRAWN BY: CAD

SCALE: AS SHOWN
DATE: 07.05.2022
JOB NO.: 50977-0008-00

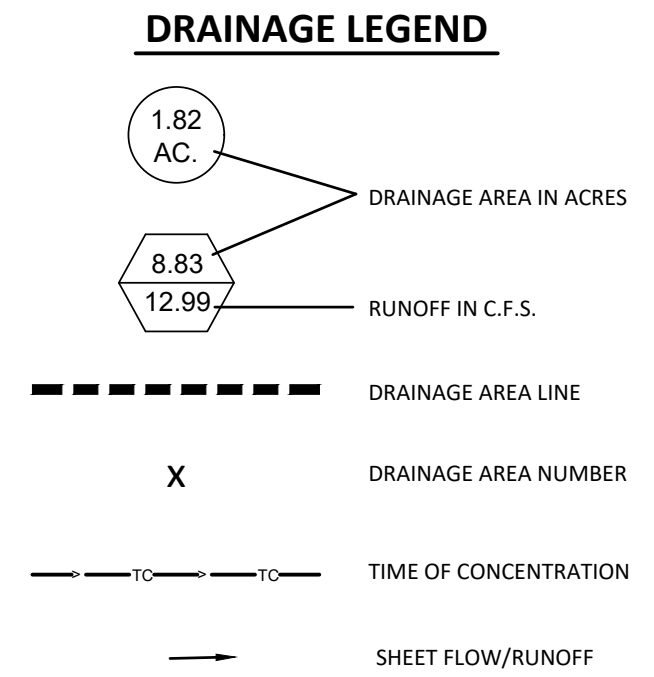
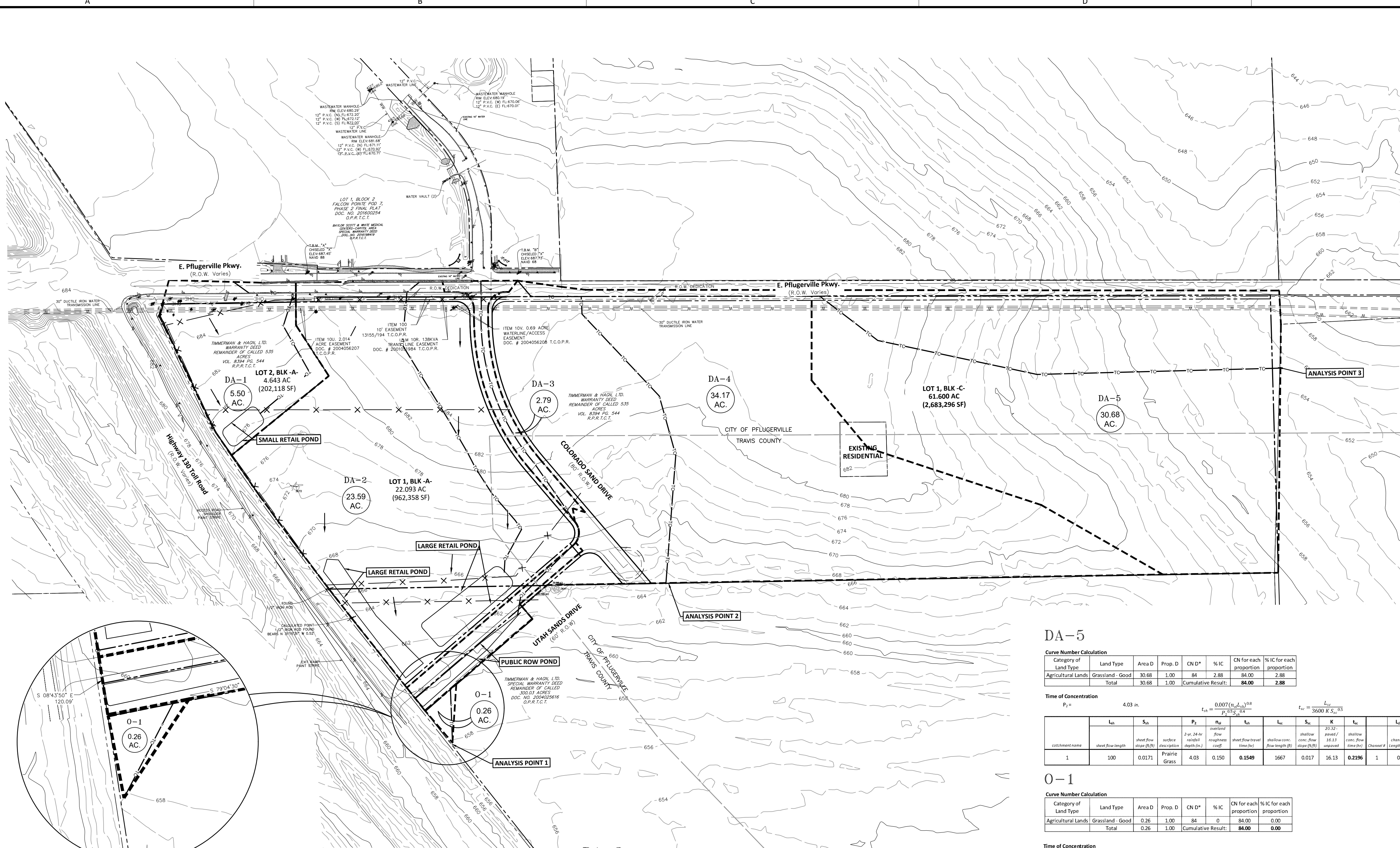
STATE OF TEXAS
10/28/2022
JOSEPH E. YORK V.
124934
LICENSED PROFESSIONAL ENGINEER



EAST PFLUGERVEILLE PARKWAY
COMMERCIAL CENTER

**PRELIMINARY EXISTING
DRAINAGE AREA MAP**

K:\50977\50977-0008-00 heb pflugerville - store planning\2 design phase\CAD\Plans\Site\preliminary plan\50977-0008 Prelim Existing DAM.dwg KS: October 28, 2022



DA-1

Category of Land Type	Land Type	Area D	Prop. D	CN D	% IC	CN for each proportion	% IC for each proportion
Fully Dev	Retail	4.68	0.85	98	100.00	83.39	85.09
Urban Areas		0.82	0.15	84	100.00	12.52	14.91
Agricultural Lands	Grassland - Good	0.26	0.85	84	100.00	12.52	14.91
Total		5.76	0.85			98.43	100.00

Time of Concentration

$P_2 = 4.03$ in. $t_{ra} = \frac{0.007(n_{ra}L_a)^{0.88}}{P_2^{0.35}S_a^{0.4}}$ $t_{rc} = \frac{L_{rc}}{3600 K S_c^{0.5}}$ $t_{ra} = \frac{L_{ra}}{(3600 \frac{1.49}{n} R^{2/3} S_c^{1/2})}$

catchment name	L _a	S _a	P ₂	n _{ra}	t _{ra}	L _{rc}	S _c	K	t _{rc}	L _{ra}	S _{ra}	n	R	t	t _c	t _t	t _t	
1	100	0.0150	4.03	0.150	0.1633	675	0.019	20.32	0.0678	1	0	0.020	0.022	1.36	0.000	0.2311	13.86	8.32

DA-2

Category of Land Type	Land Type	Area D	Prop. D	CN D	% IC	CN for each proportion	% IC for each proportion
Fully Dev	Retail	20.05	0.85	98	100.00	83.29	84.99
Urban Areas		3.54	0.15	84	0.00	12.61	0.00
Agricultural Lands	Grassland - Good	0.26	0.85	84	0.00	12.61	0.00
Total		23.85	0.85			95.90	84.99

Time of Concentration

$P_2 = 4.03$ in. $t_{ra} = \frac{0.007(n_{ra}L_a)^{0.88}}{P_2^{0.35}S_a^{0.4}}$ $t_{rc} = \frac{L_{rc}}{3600 K S_c^{0.5}}$ $t_{ra} = \frac{L_{ra}}{(3600 \frac{1.49}{n} R^{2/3} S_c^{1/2})}$

catchment name	L _a	S _a	P ₂	n _{ra}	t _{ra}	L _{rc}	S _c	K	t _{rc}	L _{ra}	S _{ra}	n	R	t	t _c	t _t	t _t	
1	100	0.0200	4.03	0.150	0.1455	1116	0.022	20.32	0.1030	1	0	0.020	0.022	1.36	0.000	0.2485	14.91	8.95

DA-3

Category of Land Type	Land Type	Area D	Prop. D	CN D*	% IC	CN for each proportion	% IC for each proportion
Fully Dev	Retail	1.91	0.68	98	100.00	67.09	68.45
Urban Areas		0.88	0.32	84	0.00	26.49	0.00
Agricultural Lands	Grassland - Good	0.26	0.85	84	0.00	26.49	0.00
Total		2.99	1.00			93.58	68.45

Time of Concentration

$P_2 = 4.03$ in. $t_{ra} = \frac{0.007(n_{ra}L_a)^{0.88}}{P_2^{0.35}S_a^{0.4}}$ $t_{rc} = \frac{L_{rc}}{3600 K S_c^{0.5}}$ $t_{ra} = \frac{L_{ra}}{(3600 \frac{1.49}{n} R^{2/3} S_c^{1/2})}$

catchment name	L _a	S _a	P ₂	n _{ra}	t _{ra}	L _{rc}	S _c	K	t _{rc}	L _{ra}	S _{ra}	n	R	t	t _c	t _t	t _t	
1	100	0.0200	4.03	0.150	0.1518	828	0.022	20.32	0.0770	1	0	0.020	0.022	1.97	0.000	0.2288	13.75	8.24

DA-4

Category of Land Type	Land Type	Area D	Prop. D	CN D*	% IC	CN for each proportion	% IC for each proportion
Agricultural Lands	Grassland - Good	32.95	0.96	84	0.00	81.00	0.00
Street/Roadway	Pavement	1.22	0.04	98	100.00	3.50	3.57
Total		34.17	0.96			84.50	3.57

Time of Concentration

$P_2 = 4.03$ in. $t_{ra} = \frac{0.007(n_{ra}L_a)^{0.88}}{P_2^{0.35}S_a^{0.4}}$ $t_{rc} = \frac{L_{rc}}{3600 K S_c^{0.5}}$ $t_{ra} = \frac{L_{ra}}{(3600 \frac{1.49}{n} R^{2/3} S_c^{1/2})}$

catchment name	L _a	S _a	P ₂	n _{ra}	t _{ra}	L _{rc}	S _c	K	t _{rc}	L _{ra}	S _{ra}	n	R	t	t _c	t _t	t _t	
1	100	0.029	4.03	0.150	0.1254	1312	0.03	16.13	0.1328	1	0	0.020	0.022	1.325	0.000	0.2582	15.49	9.29

DA-5

Category of Land Type	Land Type	Area D	Prop. D	CN D*	% IC	CN for each proportion	% IC for each proportion
Agricultural Lands	Grassland - Good	30.68	1.00	84	2.88	84.00	2.88
Total		30.68	1.00			84.00	2.88

Time of Concentration

$P_2 = 4.03$ in. $t_{ra} = \frac{0.007(n_{ra}L_a)^{0.88}}{P_2^{0.35}S_a^{0.4}}$ $t_{rc} = \frac{L_{rc}}{3600 K S_c^{0.5}}$ $t_{ra} = \frac{L_{ra}}{(3600 \frac{1.49}{n} R^{2/3} S_c^{1/2})}$

catchment name	L _a	S _a	P ₂	n _{ra}	t _{ra}	L _{rc}	S _c	K	t _{rc}	L _{ra}	S _{ra}	n	R	t	t _c	t _t	t _t					
1	100	0.0171	4.03	0.150	0.1549	1667	0.017	16.13	0.2196	1	0	1.000	0.035	0.5	0.000	1	0	6.00	0.0000	0.3745	22.47	13.48

0-1

Category of Land Type	Land Type	Area D	Prop. D	CN D*	% IC	CN for each proportion	% IC for each proportion
Agricultural Lands	Grassland - Good	0.26	1.00	84	0	84.00	0.00
Total		0.26	1.00			84.00	0.00

Time of Concentration

$P_2 = 4.03$ in. $t_{ra} = \frac{0.007(n_{ra}L_a)^{0.88}}{P_2^{0.35}S_a^{0.4}}$ $t_{rc} = \frac{L_{rc}}{3600 K S_c^{0.5}}$ $t_{ra} = \frac{L_{ra}}{(3600 \frac{1.49}{n} R^{2/3} S_c^{1/2})}$

catchment name	L _a	S _a	P ₂	n _{ra}	t _{ra}	L _{rc}	S _c	K	t _{rc}	L _{ra}	S _{ra}	n	R	t	t _c	t _t	t _t					
1	100	0.0200	4.03	0.150	0.1920	94	0.011	16.13	0.0157	1	0	1.000	0.035	0.5	0.000	1	0	6.00	0.0000	0.2077	12.46	7.48

Element	Drainage Area (ac.)	2-Year Peak Q (cfs)	25-Year Peak Q (cfs)	100-Year Peak Q (cfs)
DA-1	5.5	21.8	39.3	51.1
DA-2	23.6	90.5	163.1	212.5
DA-3	2.8	10.9	19.9	26
DA-4	34.2	92.1	206.6	282.6
DA-5	30.7	70.7	160.2	219.8
O-1	0.3	0.8	1.7	2.3
Small Retail Pond	5.5	10.6	15.2	17.7
Large Retail Pond	23.6	27.4	79	100.9
Public ROW Pond	3.1	7.8	11.9	14.3

Note: Drainage analysis for Drainage Areas 4 and 5 and Analysis Points 2 and 3 assume no additional development or impervious cover. If these lots are developed, a revised preliminary plan and associated drainage calculations will be required.

PRELIMINARY PLAN ONLY
NOT FOR RECORDATION

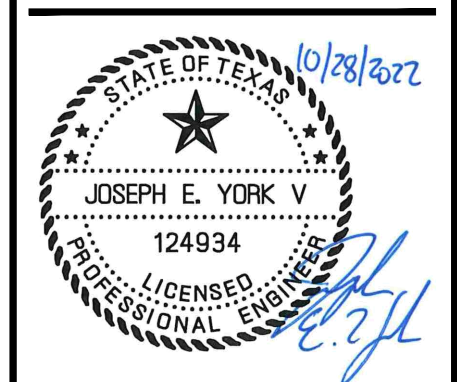
REVISIONS

No.	Date	Description

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Reg. No. E-22920
4350 Lockhill-Selma Road, Suite 100 • San Antonio, Texas 78249 • 210-494-5511

DESIGNED BY: KF
CHECKED BY: KF/JY
DRAWN BY: CAD

SCALE: AS SHOWN
DATE: 07.05.2022
JOB NO.: 50977-0008-00



**EAST PFLUGERVILLE PARKWAY
COMMERCIAL CENTER**

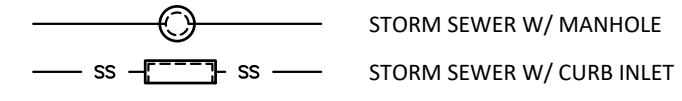
**PRELIMINARY PROPOSED
DRAINAGE AREA MAP**

CURVE TABLE						
CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	TANGENT
C1	50.00'	78.37'	89°48'08"	S15°40'18"E	70.59'	48.83'
C2	840.00'	588.69'	40°09'16"	N9°09'08"E	576.72'	307.02'
C3	50.00'	78.54'	90°00'00"	N34°04'30"E	70.71'	50.00'
C4	11107.16'	729.83'	3°45'53"	S6°50'53"E	729.69'	365.04'
C5	11107.16'	100.42'	0°31'05"	N4°42'24"W	100.42'	50.21'
C7	50.00'	78.86'	90°22'01"	S74°24'46"W	70.94'	50.32'
C8	760.00'	532.63'	40°09'16"	S9°09'08"W	521.79'	277.78'

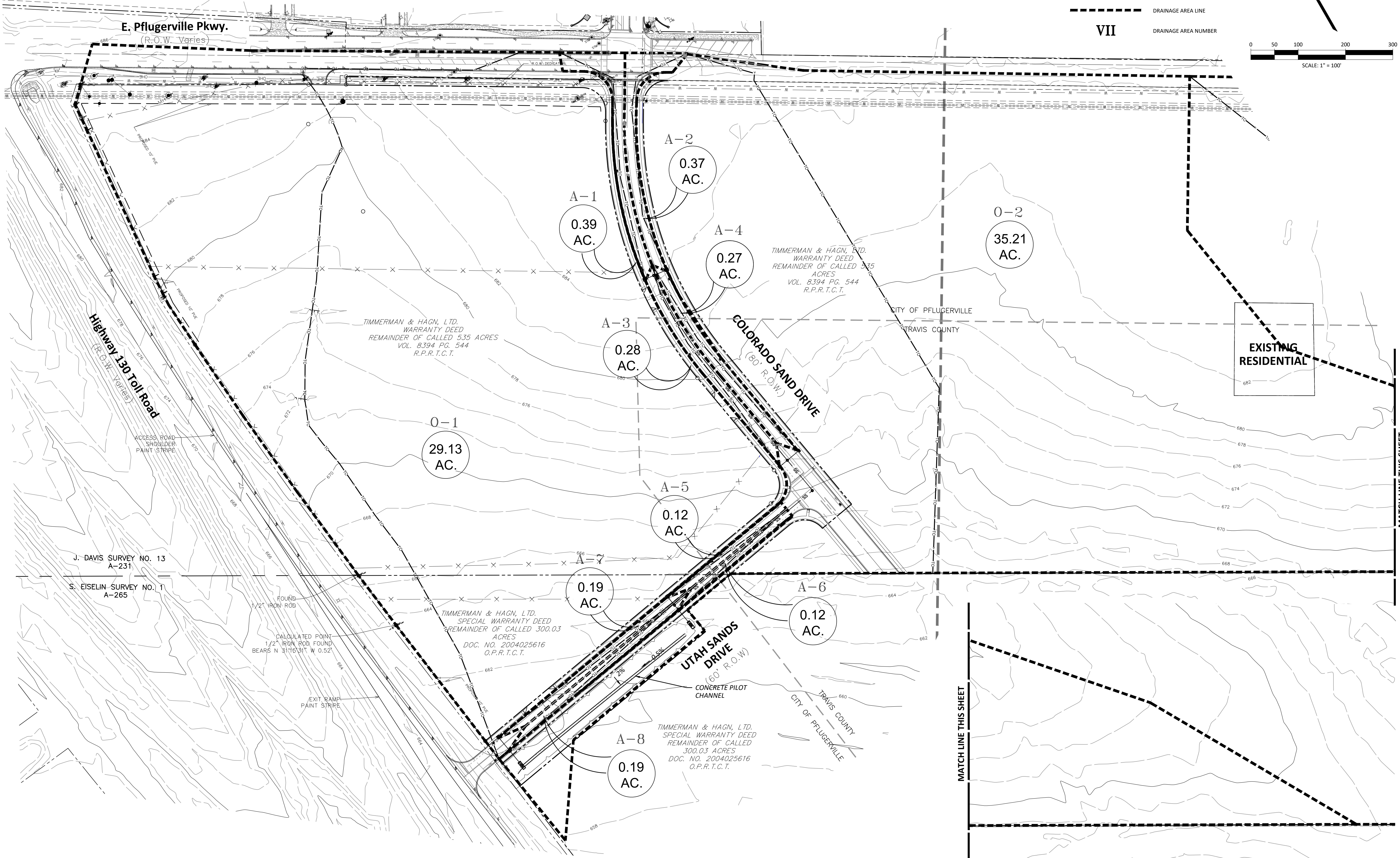
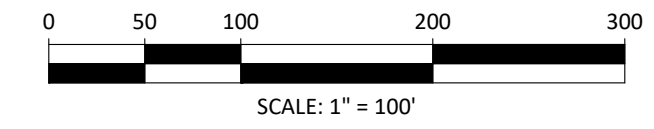
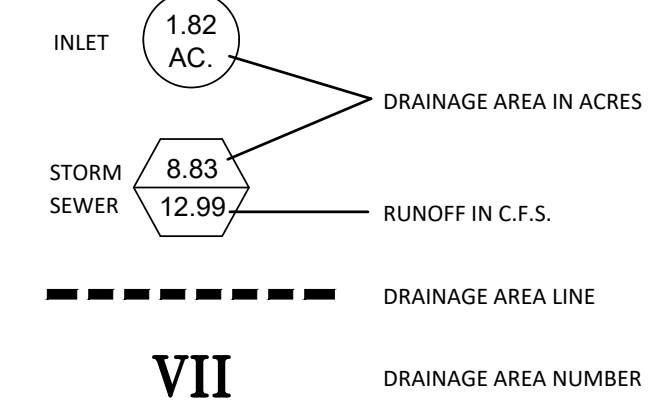
GENERAL PLAN NOTES:

- NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS DELINEATED ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0280J FOR TRAVIS COUNTY, EFFECTIVE AUGUST 18, 2014.

PROPOSED LEGEND



DRAINAGE LEGEND

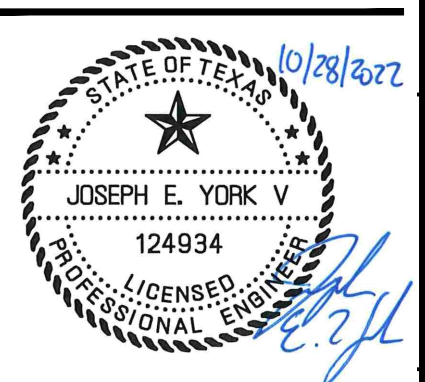


App.	Date	Revisions

QUIDDITY
 Texas Board of Professional Engineers and Land Surveyors Reg. No. E-23290
 4350 Lockhill-Selma Road, Suite 100 • San Antonio, Texas 78249 • 210-494-5511

DESIGNED BY: KF
 CHECKED BY: KF/JY
 DRAWN BY: CAD

SCALE: AS SHOWN
 DATE: 07.05.2022
 JOB NO.: 50977-0006-00



PUBLIC PLAN FOR
E. PFLUGERVILLE RETAIL CENTER
PRELIMINARY SUB-DRAINAGE
AREA MAP

Tc (Post Development)

Rational Method

Note

*Minimum Time of Concentration is 5 min per Pflugerville Drainage Criteria Manual.

Table with columns: DA, Area (ac.), Slope (ft/ft), L_total (ft), (T) Up to 100 feet (L_1, Slope, n, Tt), Tc (L > 100 feet) (L_2, Slope, n, Tsc), Tc.

FLOWS (Post Development)

Note

*Grass assumed to be Fair Condition and Average Slope

city of pflugerville

Table with columns: C Values (2 yr, 10 yr, 25 yr, 100 yr) for Grass, Concrete, Cultivated Fl.

Table with columns: C Values (2 yr, 10 yr, 25 yr, 100 yr) for city of pflugerville (a, b, c).

Large table with columns: DA, Area (ac.), C2, C10, C25, C100, Tc (min), I2 (in/hr), I10 (in/hr), I25 (in/hr), I100 (in/hr), Q2 (cfs), Q10 (cfs), Q25 (cfs), Q100 (cfs).

SEWER 25 yr

Table with columns: 25-yr Intensity = a/(t+b)^c, a25, b25, c25.

Trunk Line Design

*** Indicates an inlet lateral connection with unique formula for junction loss.

Main sewer design table with columns: Sewer No., Inlet/MH, Area, Time Conc., Runoff, C, Intensity, Q25, Mannings, Length, Pipe Diam., Box Span, Grade, Full Flow Velocity, Full Flow Capacity, Actual Velocity, Hydraulic Gradient, K, Junction/MH Loss, Hydraulic Grade Elevation, Dwnstm Flowline, Vert Adj, Upstrm Flowline, Rise in Pipe, Pipe Crown, Top of MH/Inlet Elevation, Inlet Name.

Main sewer design table with columns: Sewer No., Inlet/MH, Area, Time Conc., Runoff, C, Intensity, Q100, Mannings, Length, Pipe Diam., Box Span, Grade, Full Flow Velocity, Full Flow Capacity, Actual Velocity, Hydraulic Gradient, K, Junction/MH Loss, Hydraulic Grade Elevation, Dwnstm Flowline, Vert Adj, Upstrm Flowline, Rise in Pipe, Pipe Crown, Top of MH/Inlet Elevation, Inlet Name.

Summary table with columns: Analysis Point 1 (2-yr, 25-yr, 100-yr), Analysis Point 2 (2-yr, 25-yr, 100-yr), Analysis Point 3 (2-yr, 25-yr, 100-yr), Existing Qc (cfs), Proposed Qc (cfs), Increase Qc (cfs).

REVISIONS

No. Date

DESIGNED BY: KF

CHECKED BY: KF/JY

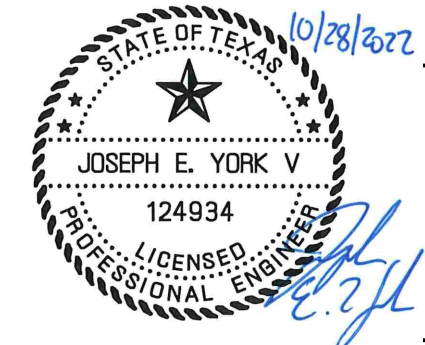
DRAWN BY: CAD

AS SHOWN

SCALE: 07.05.2022

DATE: 50977-0008-00

JOB NO.:

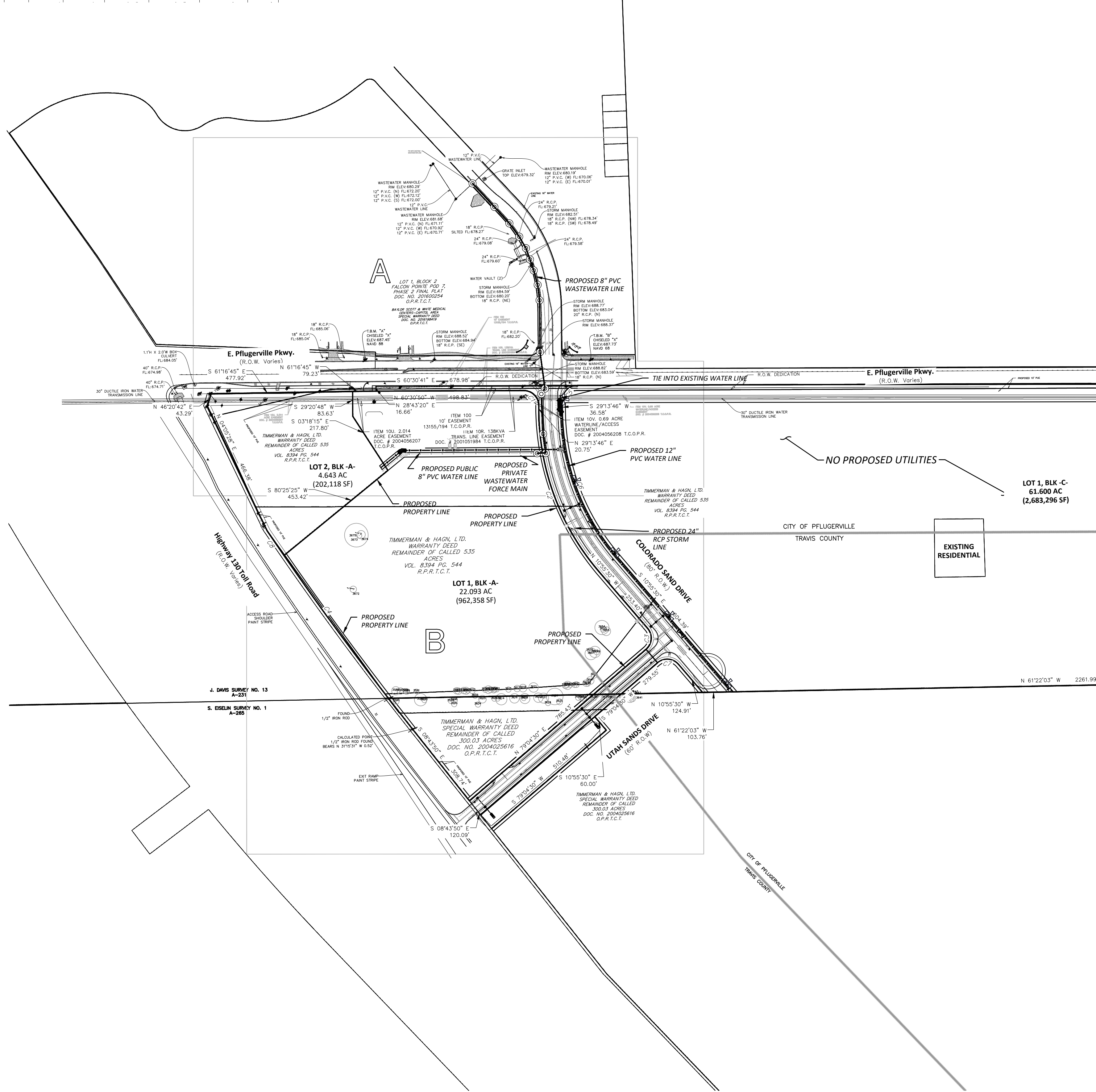


PUBLIC PLAN FOR E. PFLUGERVILLE RETAIL CENTER PRELIMINARY SUB-DRAINAGE AREA CALCULATIONS

SHEET NO.

11

CURVE TABLE					
CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	50.00'	78.32'	89°44'36"	N15°58'32"W	70.55'
C2	840.00'	588.69'	40°09'16"	N9°09'08"E	576.72'
C3	50.00'	78.54'	89°59'56"	N34°04'30"E	70.71'
C4	10982.11'	729.64'	3°48'24"	S6°49'42"E	729.51'
C5	50.00'	78.77'	90°15'58"	S74°21'45"W	70.87'
C6	760.00'	532.63'	40°09'16"	S9°09'08"W	521.79'
C7	50.00'	78.54'	90°00'00"	N55°55'30"W	70.71'



Engineering Calculations for Water Demand:

The Pflugerville East

From COP UCM Section 5:

- [DG5.1.L] Peak Hour water demand = 3150gal/person/day = 2.19 gpm/lue
- [DG5.1.L] Peak Day water demand = 1855 gal/person/day = 1.29 gpm/lue
- [DG5.1.L] Average Day water demand = 700gal/person/day = 0.49 gpm/lue
- [DG5.1.L] Tract 1 = 1 LUE/1660 sqft

[Historic Usage Data from Similar Sized Stores]

Lot 1, Block A = 1 LUE = 700 GPD

Tract 1 = 36,250 sqft
Lot 1, Block A = 117,000 sqft

Proposed Development

Tract 1 LUE	21.84
Lot 1, Block A LUE	20
Total LUE =	42

Water Utility Requirements:

- Peak Hour = (3150/1440)*(#LUE) = 92 gpm
- Peak Day = (530/1440)*(#LUE) = 54 gpm
- Average Day = (200/1440)*(#LUE) = 20.3 gpm
- Fire Flow Requirement = 1000 gpm measured at 20 psi residual
- Total Sizing Requirement = Peak Day + Fire Flow = 1554 GPM**

Engineering Calculations for Wastewater Demand:

Elevation (Remote Hydrant)

From COP UCM Section 5:

- [DG5.1.L] Peak Hour water demand = 3150gal/person/day = 2.19 gpm/lue
- [DG5.1.L] Peak Day water demand = 1855 gal/person/day = 1.29 gpm/lue
- [DG5.1.L] Average Day water demand = 700gal/person/day = 0.49 gpm/lue
- [DG5.1.L] Tract 1 = 1 LUE/1660 sqft

[Historic Usage Data from Similar Sized Stores]

Lot 1, Block A = 1 LUE = 700 GPD

Tract 1 = 36,250 sqft
Lot 1, Block A = 117,000 sqft

Proposed Development

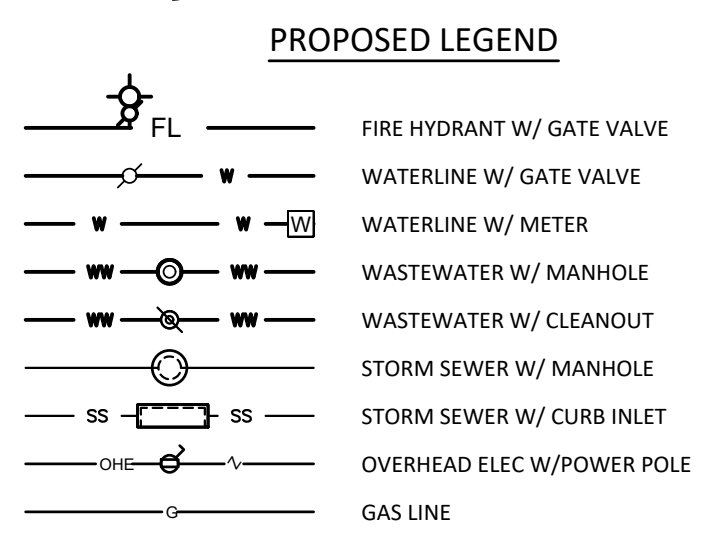
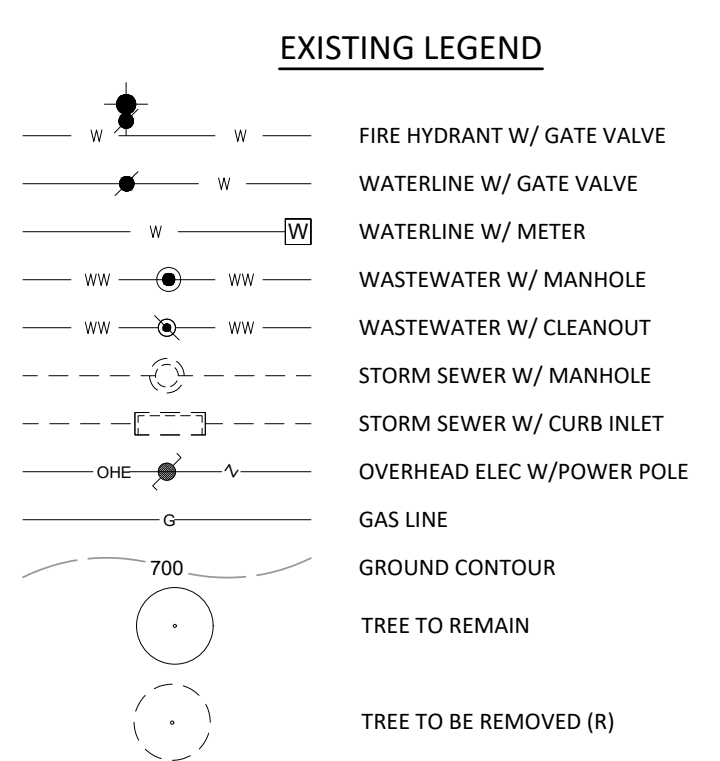
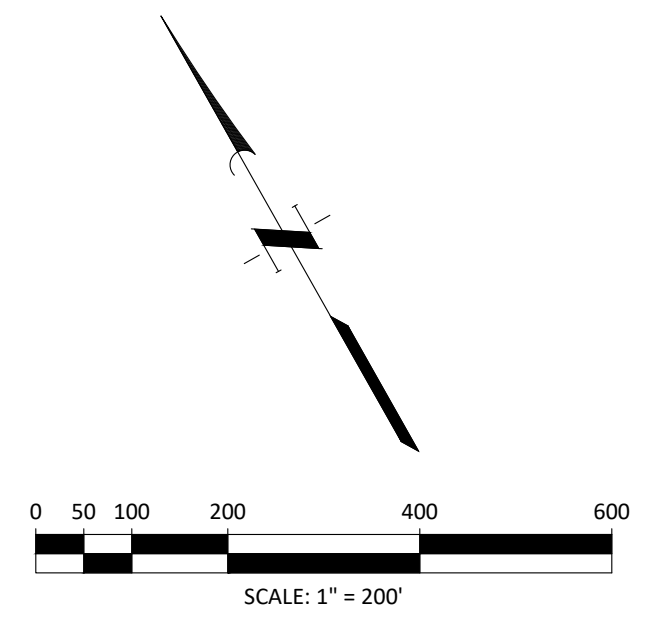
Tract 1 LUE	21.84
Lot 1, Block A LUE	20
Total LUE =	42

Wastewater Utility Requirements for Tract 1

- Average Dry Q (gpd) (F) = (270 gal/day/LUE)*(#LUE) = 5897 gpd
- Peak Dry Q (gpd) = (18+(0.0206(F))^(0.5))/(4+(0.0206(F))^(0.5))*F = 11393 gpd
- Inflow/Infiltration Q (gpd) = (750 gpd/acre * 4.6 acres) = 3450.0 gpd
- Peak Wet Q (gpd) = Peak Dry Q + I/I = 14843 gpd

Wastewater Utility Requirements for Lot 1, Block A

- Average Dry Q (gpd) (F) = (270 gal/day/LUE)*(#LUE) = 5400 gpd
- Peak Dry Q (gpd) = (18+(0.0206(F))^(0.5))/(4+(0.0206(F))^(0.5))*F = 10597 gpd
- Inflow/Infiltration Q (gpd) = (750 gpd/acre * 4.6 acres) = 435.0 gpd
- Peak Wet Q (gpd) = Peak Dry Q + I/I = 11032 gpd



- GENERAL UTILITY NOTES:**
- Water and Sewer mains shall be constructed and tested in accordance with TCEQ rules and regulations.
 - Contractor is responsible for verifying the depth and location of all existing utilities, shown or not, during construction. Some existing utility lines shown have been taken from the corresponding utility company's record maps or survey performed by others.
 - Contractor shall be responsible for securing all utility permits, prior to installation of any utilities including water, sewer, electric, fiber, and gas.
 - Domestic water service shall be PVC pipe Schedule 80. Fittings and joints shall be rated the same as the pipe. Domestic service line should have a minimum of 24 inches of cover.
 - Gravity Sewer Lateral shall be SDR 26 (ASTM D-3034) installed with cleanouts as per plumbing code.
 - RCP to conform to standard specification ASTM C76, Class III, Wall B, for reinforced concrete pipe (RCP), with ASTM C443 rubber gasket joints including all appurtenant specifications as currently amended. HDPE shall be Type S double wall, smooth interior.
 - Fire Main shall be PVC, C-900, DR-14, PC 235 with Mechanical Joint Restraint.
 - Mega-lug Pipe Restraints shall be provided for all Tees, Bends and Valves for 4" water line.
 - Site work contractor to terminate all utilities (except roof drain header) 5' from building perimeter with temporary plug and visual marker.
 - Sanitary sewer cleanouts shall be installed within 5 feet of building perimeter and are the responsibility of the building plumber.
 - Waterline design will be further reviewed with future construction plan applications and must meet EDM Chapter 5 criteria.
 - Wastewater design will be further reviewed with future construction plan applications and must meet EDM Chapter 6 criteria.
 - LUE calculations for Lot 3 are not shown because Lot 3 is not being developed at this time. If this Lot is developed, a revised preliminary plan and associated LUE calculations will be required.
 - The Public Utility Director has approved the 12" x 30" water line connection however this connection is susceptible to pressure swings when the High Service Pumps start/stop throughout the day. These pressure swings can fluctuate ~30 psi and can be upwards of 130 psi. Therefore, the 8" water line is equipped with pressure reducing valves to mitigate any damage to private plumbing. See proposed 8" PRV in 10' x 25' vault.

App. _____

Date _____

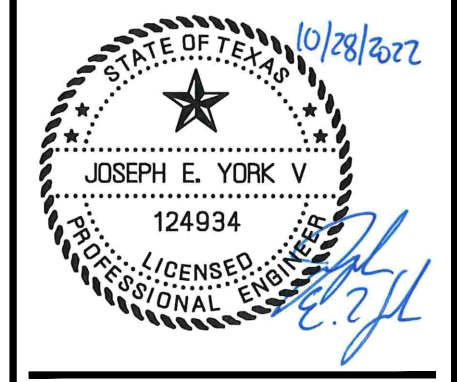
No. _____

REVISIONS

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors, Reg. No. E-23290
4350 Lockhill-Selma Road, Suite 100 • San Antonio, Texas 78249 • 210-494-5511

DESIGNED BY: _____
CHECKED BY: _____
DATE: 07.05.2022
SCALE: AS SHOWN
JOB NO.: 50977-0008-00

AS SHOWN
07.05.2022
50977-0008-00



**EAST PFLUGERVILLE PARKWAY
COMMERCIAL CENTER**

**OVERALL PRELIMINARY WATER
AND WASTEWATER PLAN**

PRELIMINARY PLAN ONLY
NOT FOR RECORDATION

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K:\50977\50977-0008-00 heb pflugerville - store planning\2 design phase\CAD\Plans\Site\preliminary plan\50977-0008 Prelim Utility Overall.dwg KS: October 28, 2022

GENERAL UTILITY NOTES:

- Water and Sewer mains shall be constructed and tested in accordance with TCEQ rules and regulations.
- Contractor is responsible for verifying the depth and location of all existing utilities, shown or not, during construction. Some existing utility lines shown have been taken from the corresponding utility company's record maps or survey performed by others.
- Contractor shall be responsible for securing all utility permits, prior to installation of any utilities including water, sewer, electric, fiber, and gas.
- Domestic water service shall be PVC pipe Schedule 80. Fittings and Joints shall be rated the same as the pipe. Domestic service line should have a minimum of 24 inches of cover.
- Gravity Sewer Lateral shall be SDR 26 (ASTM D-3034) installed with cleanouts as per plumbing code.
- RCP to conform to standard specification ASTM C76, Class III, Wall B, for reinforced concrete pipe (RCP), with ASTM C443 rubber gasket joints, including all appurtenant specifications as currently amended. HDPE shall be Type S double wall, smooth interior.
- Fire Main shall be PVC, C-900, DR-14, PC 235 with Mechanical Joint Restraint.
- Mega-lug Pipe Restraints shall be provided for all Tees, Bends and Valves for 4" water line.
- Site work contractor to terminate all utilities (except roof drain header) 5' from building perimeter with temporary plug and visual marker.
- Sanitary sewer cleanouts shall be installed within 5 feet of building perimeter and are the responsibility of the building plumber.
- Waterline design will be further reviewed with future construction plan applications and must meet EDM Chapter 5 criteria.
- Wastewater design will be further reviewed with future construction plan applications and must meet EDM Chapter 6 criteria.

PROPOSED WASTEWATER MANHOLE
RIM ELEV: 680.52'
12" P.V.C. (W) FL: 670.45' (EXISTING)
12" P.V.C. (E) FL: 670.45' (EXISTING)
8" P.V.C. (S) FL: 670.55'

WASTEWATER MANHOLE
RIM ELEV: 680.29'
12" P.V.C. (N) FL: 672.20'
12" P.V.C. (W) FL: 672.12'
12" P.V.C. (S) FL: 672.00'

WASTEWATER MANHOLE
RIM ELEV: 681.68'
12" P.V.C. (N) FL: 671.11'
12" P.V.C. (W) FL: 670.92'
12" P.V.C. (E) FL: 670.71'

PROPOSED WASTEWATER CONNECTION TO PUBLIC SERVICE TO WW SERVICE STUB (BY OTHERS)

PROPOSED WASTEWATER MANHOLE
RIM ELEV: 681.80'
8" P.V.C. (N) FL: 671.04'
8" P.V.C. (S) FL: 671.14'

18" R.C.P. FL: 678.27'
24" R.C.P. FL: 679.21'
24" R.C.P. FL: 679.08'

PROPOSED WASTEWATER MANHOLE
RIM ELEV: 682.93'
8" P.V.C. (N) FL: 671.52'
8" P.V.C. (S) FL: 671.62'

WASTEWATER MANHOLE
RIM ELEV: 683.96'
8" P.V.C. (N) FL: 671.90'
8" P.V.C. (S) FL: 672.00'

PROPOSED WASTEWATER MANHOLE
RIM ELEV: 684.73'
8" P.V.C. (N) FL: 672.23'
8" P.V.C. (S) FL: 672.33'

PROPOSED WASTEWATER MANHOLE
RIM ELEV: 685.46'
8" P.V.C. (N) FL: 672.54'
8" P.V.C. (S) FL: 672.64'

PROPOSED WASTEWATER MANHOLE
RIM ELEV: 686.02'
8" P.V.C. (N) FL: 672.84'
8" P.V.C. (S) FL: 672.94'

PROPOSED WASTEWATER MANHOLE
RIM ELEV: 686.26'
8" P.V.C. (N) FL: 673.19'
8" P.V.C. (S) FL: 673.29'

PROPOSED WASTEWATER MANHOLE
RIM ELEV: 686.53'
8" P.V.C. (N) FL: 673.55'
8" P.V.C. (S) FL: 673.65'

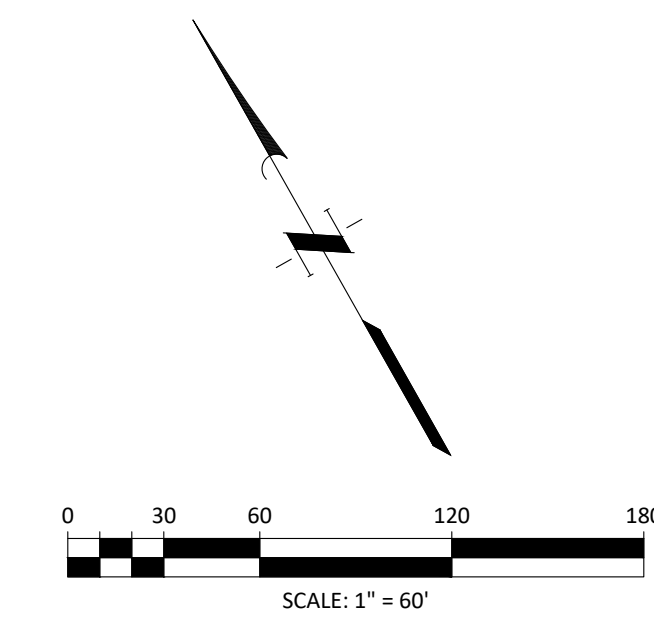
PROPOSED WASTEWATER MANHOLE
RIM ELEV: 687.70'
8" P.V.C. (N) FL: 674.52'
8" P.V.C. (S) FL: 674.62'

STORM MANHOLE
RIM ELEV: 688.77'
BOTTOM ELEV: 683.04'
20" R.C.P. (N)

T.B.M. "B"
CHISELED "X"
ELEV: 687.73'
NAVD 68

E. Pflugerville Pkwy.
(R.O.W. Varies)

LOT 2, BLK -A-
4.643 AC
(202,118 SF)



EXISTING LEGEND

	FIRE HYDRANT W/ GATE VALVE
	WATERLINE W/ GATE VALVE
	WATERLINE W/ METER
	WASTEWATER W/ MANHOLE
	WASTEWATER W/ CLEANOUT
	STORM SEWER W/ MANHOLE
	STORM SEWER W/ CURB INLET
	OVERHEAD ELEC W/ POWER POLE
	GAS LINE
	GROUND CONTOUR
	TREE TO REMAIN
	TREE TO BE REMOVED (R)

PROPOSED LEGEND

	FIRE HYDRANT W/ GATE VALVE
	WATERLINE W/ GATE VALVE
	WATERLINE W/ METER
	WASTEWATER W/ MANHOLE
	WASTEWATER W/ CLEANOUT
	STORM SEWER W/ MANHOLE
	STORM SEWER W/ CURB INLET
	OVERHEAD ELEC W/ POWER POLE
	GAS LINE

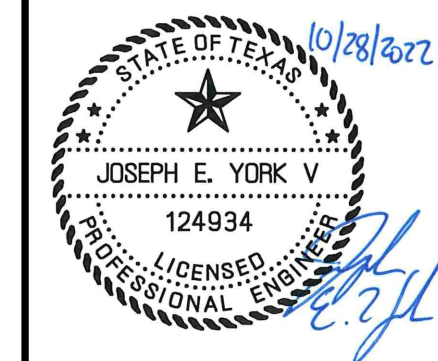
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DRAWN BY: CAD

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DATE: 07.05.2022
JOB NO.: 50977-0005-00



**EAST PFLUGERVEILLE PARKWAY
COMMERCIAL CENTER**

PRELIMINARY UTILITY PLAN A

SHEET NO. **13**
OF 19

Note: The Public Utility Director has approved the 12" x 30" water line connection however this connection is susceptible to pressure swings when the High Service Pumps start/stop throughout the day. These pressure swings can fluctuate ~30 psi and can be upwards of 130 psi. Therefore, the 8" water line is equipped with pressure reducing valves to mitigate any damage to private plumbing. See proposed 8" PRV in 10' x 25' vault.

MATCH LINE ~ SEE SHEET B

LOT 1, BLK -A-
22.093 AC
(962,358 SF)

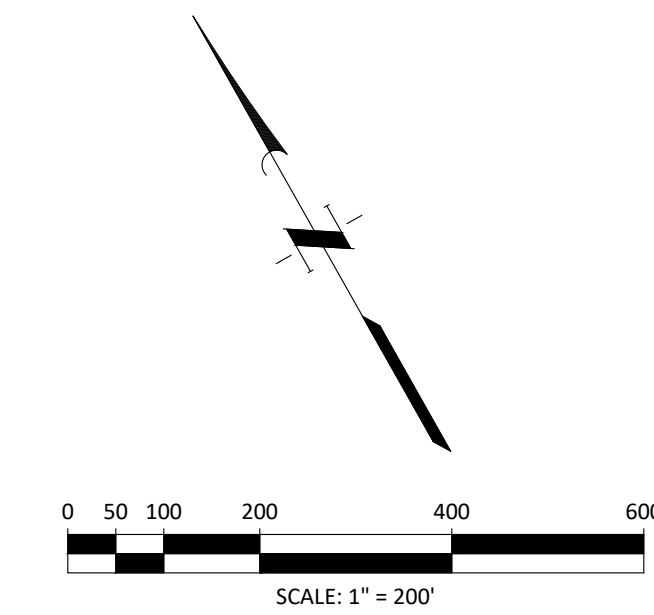
Highway 130 Toll Road
(R.O.W. Varies)

CITY OF PFLUGERVILLE
TRAVIS COUNTY

COLORADO SAND DRIVE
(80' R.O.W.)

UTAH SANDS DRIVE
(60' R.O.W.)

CITY OF PFLUGERVILLE
TRAVIS COUNTY



EXISTING LEGEND

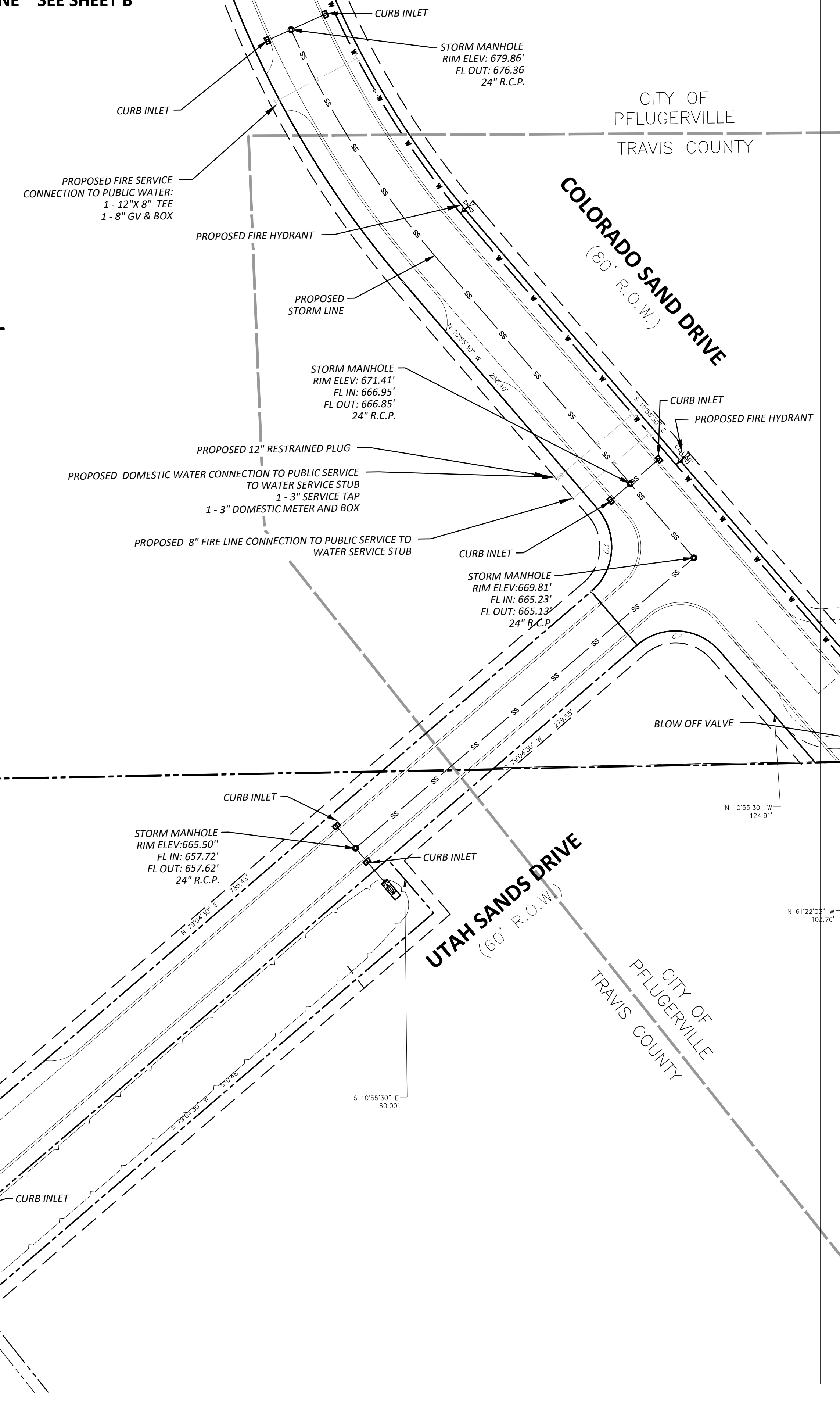
- FIRE HYDRANT W/ GATE VALVE
- WATERLINE W/ GATE VALVE
- WATERLINE W/ METER
- WASTEWATER W/ MANHOLE
- WASTEWATER W/ CLEANOUT
- STORM SEWER W/ MANHOLE
- STORM SEWER W/ CURB INLET
- OVERHEAD ELEC W/ POWER POLE
- GAS LINE
- GROUND CONTOUR
- TREE TO REMAIN
- TREE TO BE REMOVED (R)

PROPOSED LEGEND

- FIRE HYDRANT W/ GATE VALVE
- WATERLINE W/ GATE VALVE
- WATERLINE W/ METER
- WASTEWATER W/ MANHOLE
- WASTEWATER W/ CLEANOUT
- STORM SEWER W/ MANHOLE
- STORM SEWER W/ CURB INLET
- OVERHEAD ELEC W/ POWER POLE
- GAS LINE

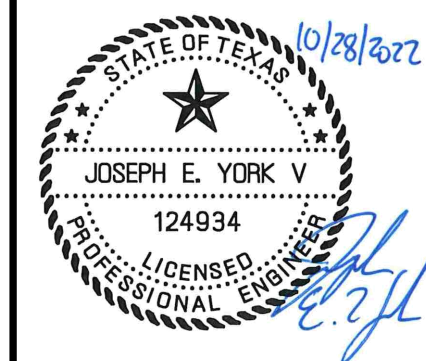
GENERAL UTILITY NOTES:

1. Water and Sewer mains shall be constructed and tested in accordance with TCEQ rules and regulations.
2. Contractor is responsible for verifying the depth and location of all existing utilities, shown or not, during construction. Some existing utility lines shown have been taken from the corresponding utility company's record maps or survey performed by others.
3. Contractor shall be responsible for securing all utility permits, prior to installation of any utilities including water, sewer, electric, fiber, and gas.
4. Domestic water service shall be PVC pipe Schedule 80. Fittings and Joints shall be rated the same as the pipe. Domestic service line should have a minimum of 24 inches of cover.
5. Gravity Sewer Lateral shall be SDR 26 (ASTM D-3034) installed with cleanouts as per plumbing code.
6. RCP to conform to standard specification ASTM C76, Class III, Wall B, for reinforced concrete pipe (RCP), with ASTM C443 rubber gasket joints, including all appurtenant specifications as currently amended. HDPE shall be Type S double wall, smooth interior.
7. Fire Main shall be PVC, C-900, DR-14, PC 235 with Mechanical Joint Restraint.
8. Mega-lug Pipe Restraints shall be provided for all Tees, Bends and Valves for 4" water line.
9. Site work contractor to terminate all utilities (except roof drain header) 5' from building perimeter with temporary plug and visual marker.
10. Sanitary sewer cleanouts shall be installed within 5 feet of building perimeter and are the responsibility of the building plumber.
11. Waterline design will be further reviewed with future construction plan applications and must meet EDM Chapter 5 criteria.
12. Wastewater design will be further reviewed with future construction plan applications and must meet EDM Chapter 6 criteria.



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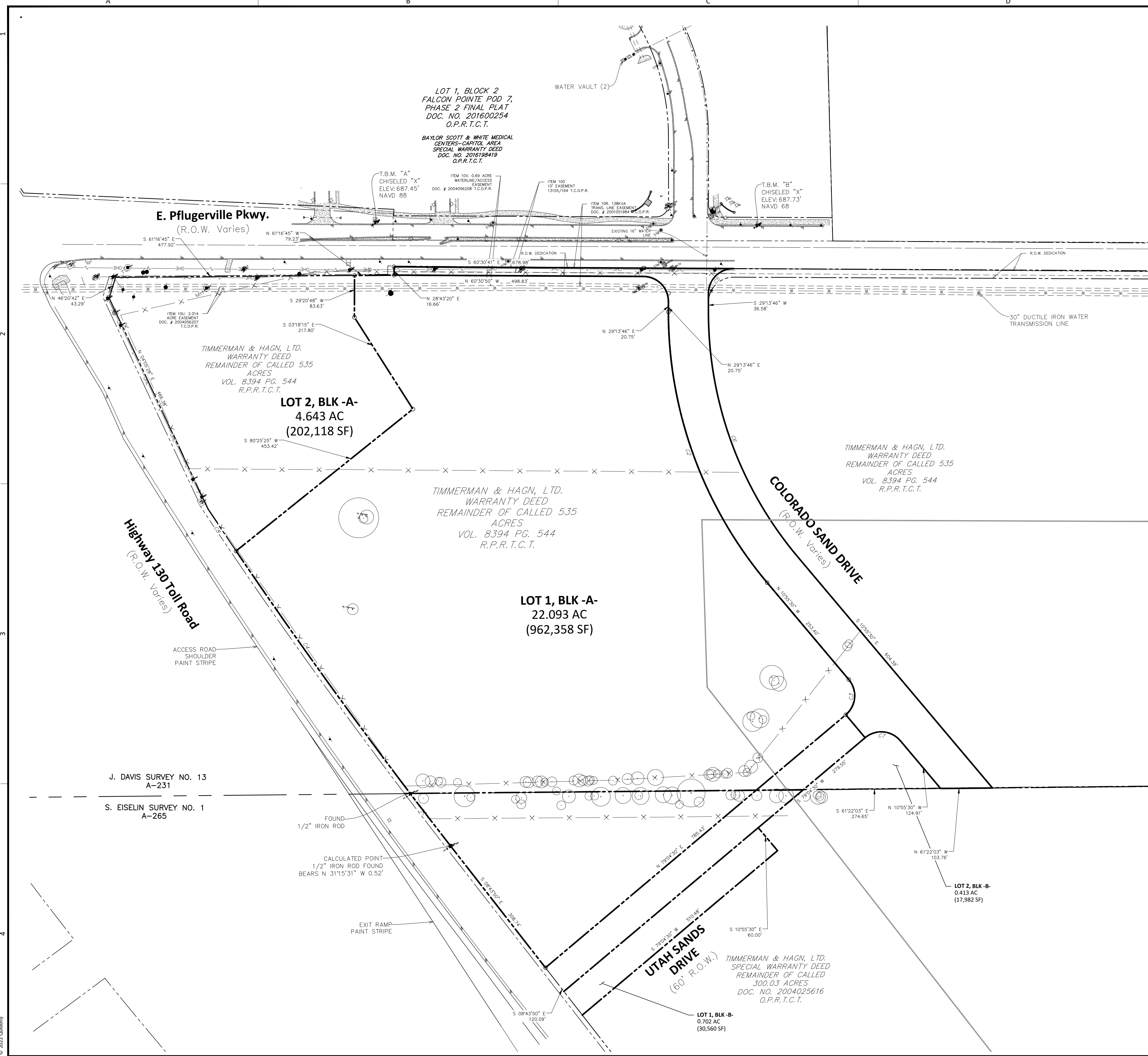
EAST PFLUGERVILLE PARKWAY
COMMERCIAL CENTER

PRELIMINARY UTILITY PLAN B

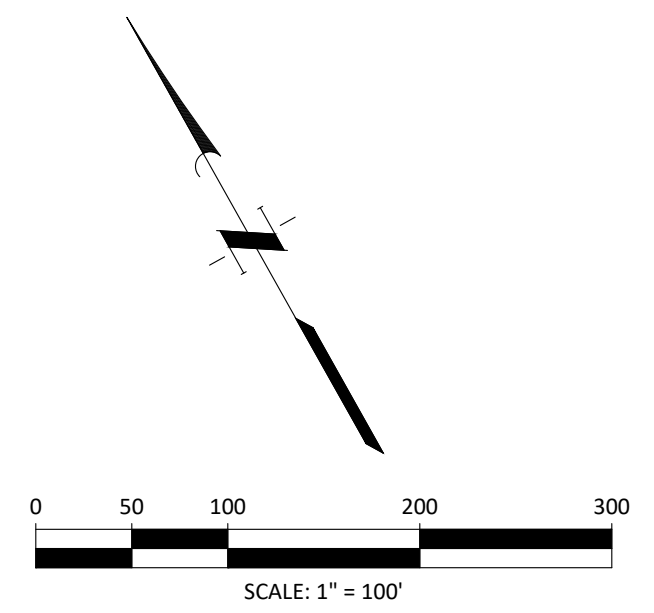
SHEET NO.

14

OF 19



**FOR TREE PROTECTION NOTES
SEE DETAIL E4 SHT 16**



TREE LOG						
TREE TAG NUMBER	TREE TYPE	CALIPER INCH	REMOVED	PROTECTED	HERITAGE	NOTES
3586	Hackberry	14	Yes			
3587	Hackberry	11	Yes			
3588	Hackberry	8	Yes			
3589	Hackberry	10	Yes			
3590	Hackberry	10	Yes			
3591	Hackberry	8	Yes			
3592	Hackberry	21	Yes	Yes		Multi-stem
3593	Hackberry	8	Yes			
3594	Hackberry	8	Yes			
3595	Hackberry	9	Yes			
3596	Hackberry	11	Yes			
3597	Hackberry	11	Yes			
3598	Hackberry	11	Yes			
3599	Hackberry	11	Yes			
3600	Hackberry	12	Yes			
3601	Hackberry	8	Yes			
3602	Hackberry	10	Yes			
3603	Bois D'arc	8	Yes			
3604	Hackberry	9	Yes			
3605	Hackberry	13	Yes			
3606	Hackberry	9	Yes			
3607	Hackberry	13	Yes			
3608	Hackberry	10	Yes			
3609	Hackberry	10	Yes			
3610	Hackberry	9	Yes			
3611	Hackberry	8	Yes			
3612	Hackberry	8	Yes			
3613	Hackberry	8	Yes			
3614	Bois D'arc	19	Yes	Yes		Multi-stem
3615	Hackberry	9	Yes			
3616	Hackberry	16	Yes			
3617	Hackberry	11	Yes			
3618	Hackberry	13	Yes			
3619	Hackberry	17	Yes			
3620	Hackberry	8	Yes			
3621	Hackberry	16	Yes			Twin
3622	Bois D'arc	16	Yes			Twin
3623	Hackberry	17	Yes			
3624	Hackberry	8	Yes			
3625	Hackberry	10	Yes			
3626	Bois D'arc	28	Yes		Yes	
3627	Hackberry	10	Yes			
3628	Hackberry	9	Yes			Twin
3629	Hackberry	14	Yes			
3630	Hackberry	8	Yes			
3631	Hackberry	8	Yes			
3632	Hackberry	10	Yes			
3633	Hackberry	10	Yes			
3634	Hackberry	9	Yes			
3635	Hackberry	11	Yes			
3636	Hackberry	10	Yes			Twin
3637	Gum Bumelia	14	Yes			Multi-stem
3638	Hackberry	15	Yes			Twin
3639	Hackberry	8	Yes			
3640	Hackberry	9	No			
3641	Hackberry	12	No			
3642	Hackberry	8	No			
3643	Hackberry	15	No			Twin
3644	Hackberry	8	No			
3645	Hackberry	11	Yes			
3646	Hackberry	8	Yes			
3647	Bois D'arc	13	Yes			Twin
3648	Hackberry	10	Yes			
3649	Hackberry	8	Yes			
3650	Bois D'arc	19	Yes	Yes		Multi-stem
3651	Bois D'arc	20	Yes	Yes		Multi-stem
3652	Hackberry	8	Yes			
3653	Bois D'arc	10	Yes			
3654	Bois D'arc	24	Yes		Yes	Multi-stem
3655	Bois D'arc	15	Yes			Multi-stem
3656	Hackberry	9	Yes			
3657	Hackberry	8	Yes			
3672	Hackberry	11	No			
3673	Cottonwood	9	No			
3674	Hackberry	14	No			Twin
3675	Cottonwood	40	No		Yes	Dying

Note: Tree mitigation ratios and fees will be evaluated and required during the site plan process.

**PRELIMINARY PLAN ONLY
NOT FOR RECORDATION**

App. _____

Date _____

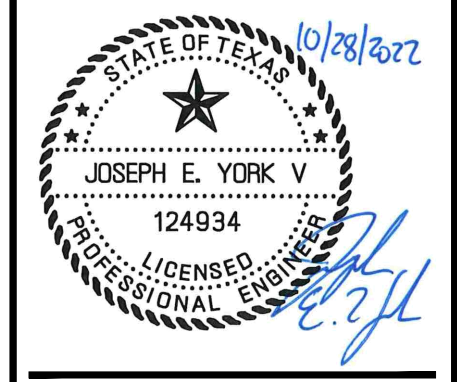
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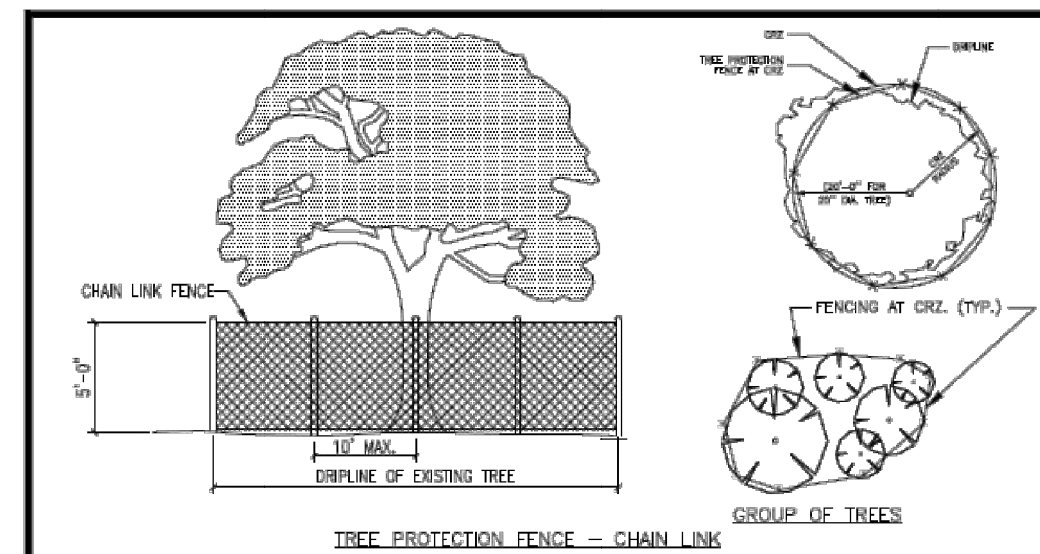
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**EAST PFLUGERVEILLE PARKWAY
COMMERCIAL CENTER**

**PRELIMINARY
TREE SURVEY**

SHEET NO. **15**
OF 19

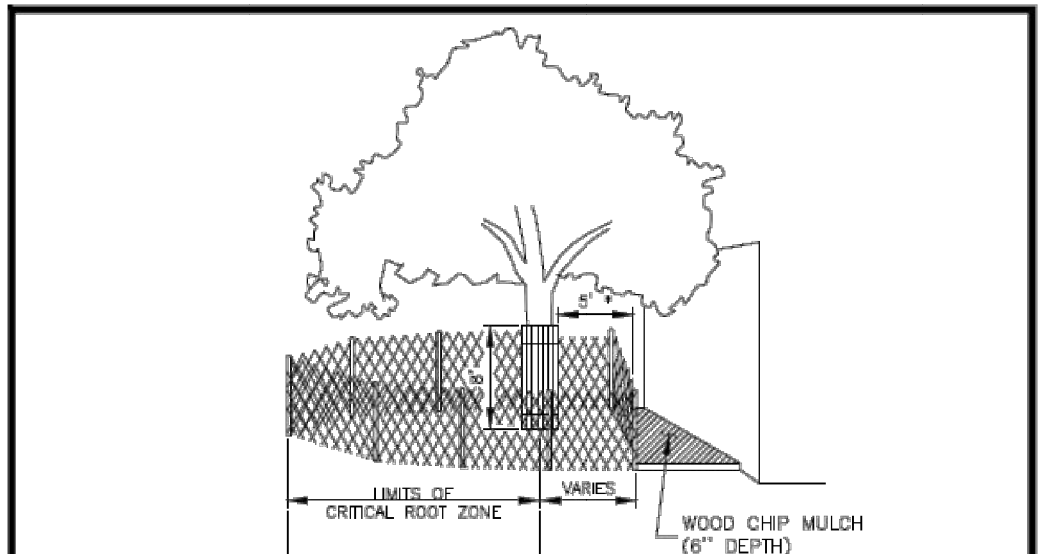


- NOTES:**
- TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT CONSISTENT WITH THE APPROVED PLAN.
 - EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED AND MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN TRENCING OR SOIL BUILD-UP WITHIN A TREE'S CRZ OR DRIPLINES, WHICHEVER IS GREATER.
 - (STANDARD) TREE PROTECTION FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES AND BE PLACED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE) OR CRZ, WHICHEVER IS GREATER AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
 - SOIL COMPACTION IN ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS.
 - ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN SIX INCHES (6") CUT OR FILL) OR TRENCING NOT REVIEWED AND AUTHORIZED BY THE CITY FORESTER OR ADMINISTRATOR.
 - WOUNDS TO EXPOSED ROOTS, TRUNKS, OR LIMBS BY MECHANICAL EQUIPMENT.
 - OTHER ACTIVITIES DETRIMENTAL TO TREES, SUCH AS CHEMICAL STORAGE, CONCRETE TRUCK CLEANING AND FIRES.
 - PARKING AREAS: IF THE FENCING MUST BE LOCATED ON PAVING OR SIDEWALK THAT WILL NOT BE DEMOLISHED, THE POSTS MAY BE SUPPORTED BY AN APPROPRIATE GRADE LEVEL CONCRETE BASE.
 - A WARNING SIGN SHALL BE PROMINENTLY DISPLAYED ON EACH FENCE. THE SIGN SHALL BE A MINIMUM OF 16 X 24 INCHES.

FOR QUESTIONS CONCERNING THIS DETAIL, PLEASE CONTACT THE DEVELOPMENT SERVICES CENTER.

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CONSTRUCTION STANDARDS AND DETAILS

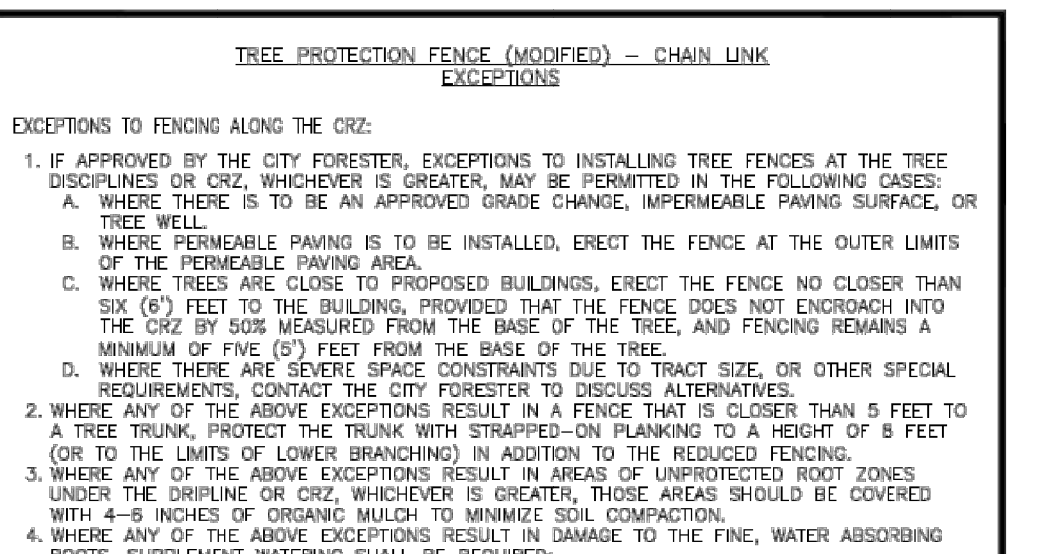


- NOTE:**
- LIMITS OF WOOD CHIP MULCH AREA AND DISTANCE FROM TRUNK TO WORK AREA SHALL BE SUBJECT TO THE APPROVAL OF THE CITY FORESTER.

FOR QUESTIONS CONCERNING THIS DETAIL, PLEASE CONTACT THE DEVELOPMENT SERVICES CENTER.

ISSUE DATE:	CITY OF PFLUGERVILLE	DWG. #P-02a
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CONSTRUCTION STANDARDS AND DETAILS

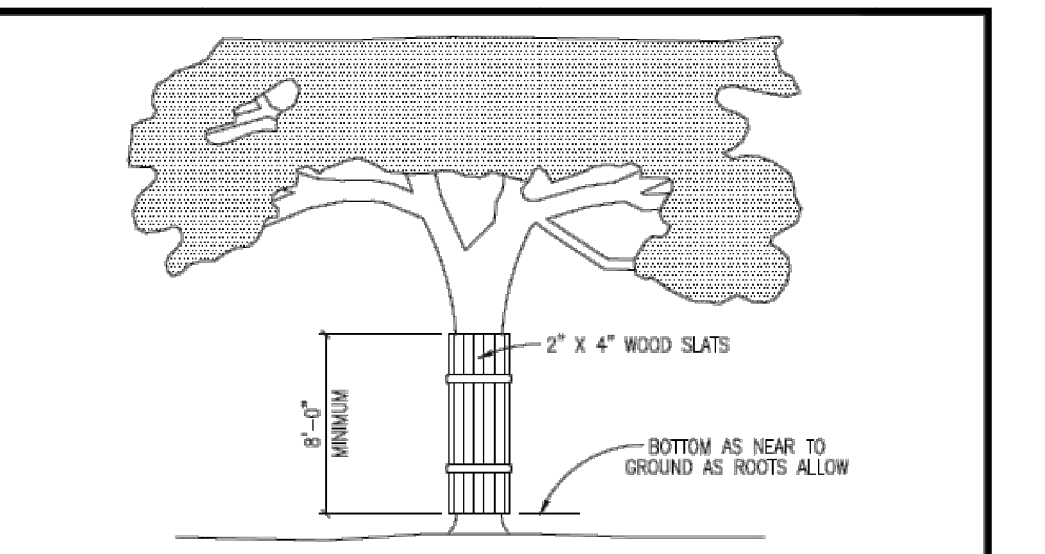


- EXCEPTIONS TO FENCING ALONG THE CRZ:**
- IF APPROVED BY THE CITY FORESTER, EXCEPTIONS TO INSTALLING TREE FENCES AT THE TREE DRIPLINES OR CRZ, WHICHEVER IS GREATER, MAY BE PERMITTED IN THE FOLLOWING CASES:
 - WHERE THERE IS AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, OR TREE WELL.
 - WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
 - WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN SIX (6) FEET TO THE BUILDING, PROVIDED THAT THE FENCE DOES NOT ENCRUMB INTO THE CRZ BY 50% MEASURED FROM THE BASE OF THE TREE, AND FENCING REMAINS A MINIMUM OF FIVE (5) FEET FROM THE BASE OF THE TREE.
 - WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE CITY FORESTER TO DISCUSS ALTERNATIVES.
 - WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE THAT IS CLOSER THAN 5 FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING.
 - WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE DRIPLINE OR CRZ, WHICHEVER IS GREATER, THOSE AREAS SHOULD BE COVERED WITH 4-8 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.
 - WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN DAMAGE TO THE FINE, WATER ABSORBING ROOTS, SUPPLEMENT WATERING SHALL BE REQUIRED:
 - TREES SHALL BE WATERED ONCE EVERY TWO WEEKS DURING PERIODS OF HOT, DRY WEATHER.
 - TREE CROWNS ARE TO BE SPRAYED WITH WATER TO REDUCE DUST ACCUMULATION ON LEAVES.
 - A SIGNALLED WATERING CONTRACT SHALL BE REQUIRED PRIOR TO THE START OF CONSTRUCTION.
 - PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, A CLEAN CUT SHALL BE MADE BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE DAMAGE TO REMAINING ROOTS. THE CONTRACTOR SHALL CONTACT THE CITY FORESTER OR ADMINISTRATOR FOR SUPERVISION.
 - ALL GRADING WITHIN PROTECTED ROOT ZONES AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO TWO (2) FEET BEHIND THE GRADE CHANGE AREA.
 - A WARNING SIGN SHALL BE PROMINENTLY DISPLAYED ON EACH FENCE. THE SIGN SHALL BE A MINIMUM OF 16 X 24 INCHES.

FOR QUESTIONS CONCERNING THIS DETAIL, PLEASE CONTACT THE DEVELOPMENT SERVICES CENTER.

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CONSTRUCTION STANDARDS AND DETAILS



- NOTES:**
- WHERE ANY EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN FIVE FEET (5'-0") TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF EIGHT FEET (8'-0"), OR TO THE LIMITS OF LOWER BRANCHING IN ADDITION TO THE REDUCED FENCING PROVIDED. MAJOR SCAFFOLD LIMBS MAY ALSO NEED PROTECTION AS DIRECTED BY THE CITY FORESTER.
 - TREES SITUATED IN A SMALL TREE WELL OR SIDEWALK PLANTER PIT, OR WHEN (ABOVE GROUND, NO GRADING OR TRENCING WITHIN CRZ) CONSTRUCTION WILL COME WITHIN FIVE (5) FEET OF A TRUNK, SHALL HAVE THE TRUNK PROTECTED WITH STRAPPED-ON PLANKING TO A HEIGHT OF EIGHT (8) FEET OR TO THE LIMITS OF LOWER BRANCHES. MAJOR SCAFFOLD LIMBS MAY ALSO NEED PROTECTION AS DIRECTED BY THE CITY FORESTER.

FOR QUESTIONS CONCERNING THIS DETAIL, PLEASE CONTACT THE DEVELOPMENT SERVICES CENTER.

ISSUE DATE:	CITY OF PFLUGERVILLE	DWG. #P-03
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CONSTRUCTION STANDARDS AND DETAILS

Appendix C-2

A3 TYPE I TREE PROTECTION - (STANDARD) CHAIN LINK FENCE

NOT TO SCALE CITY OF PFLUGERVILLE

Appendix C-3

B3 TYPE II TREE PROTECTION - (MODIFIED) CHAIN LINK FENCE

NOT TO SCALE CITY OF PFLUGERVILLE

Appendix C-4

C3 TYPE II TREE PROTECTION - (MODIFIED) CHAIN LINK FENCE

NOT TO SCALE CITY OF PFLUGERVILLE

Appendix C-5

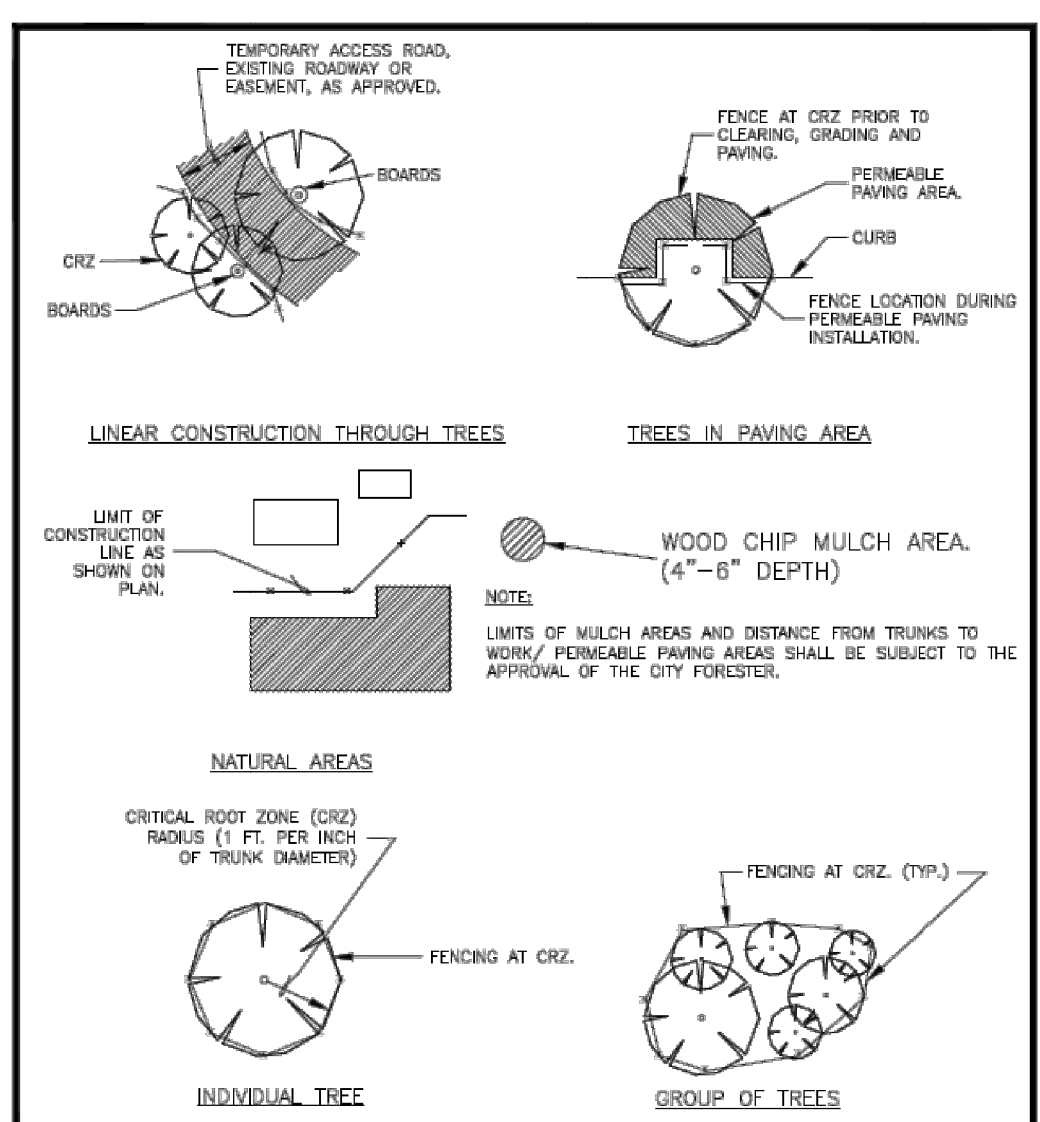
D3 TYPE III TREE PROTECTION - (MODIFIED) WOOD SLATS

NOT TO SCALE CITY OF PFLUGERVILLE

Appendix C-10

E3 NOT USED

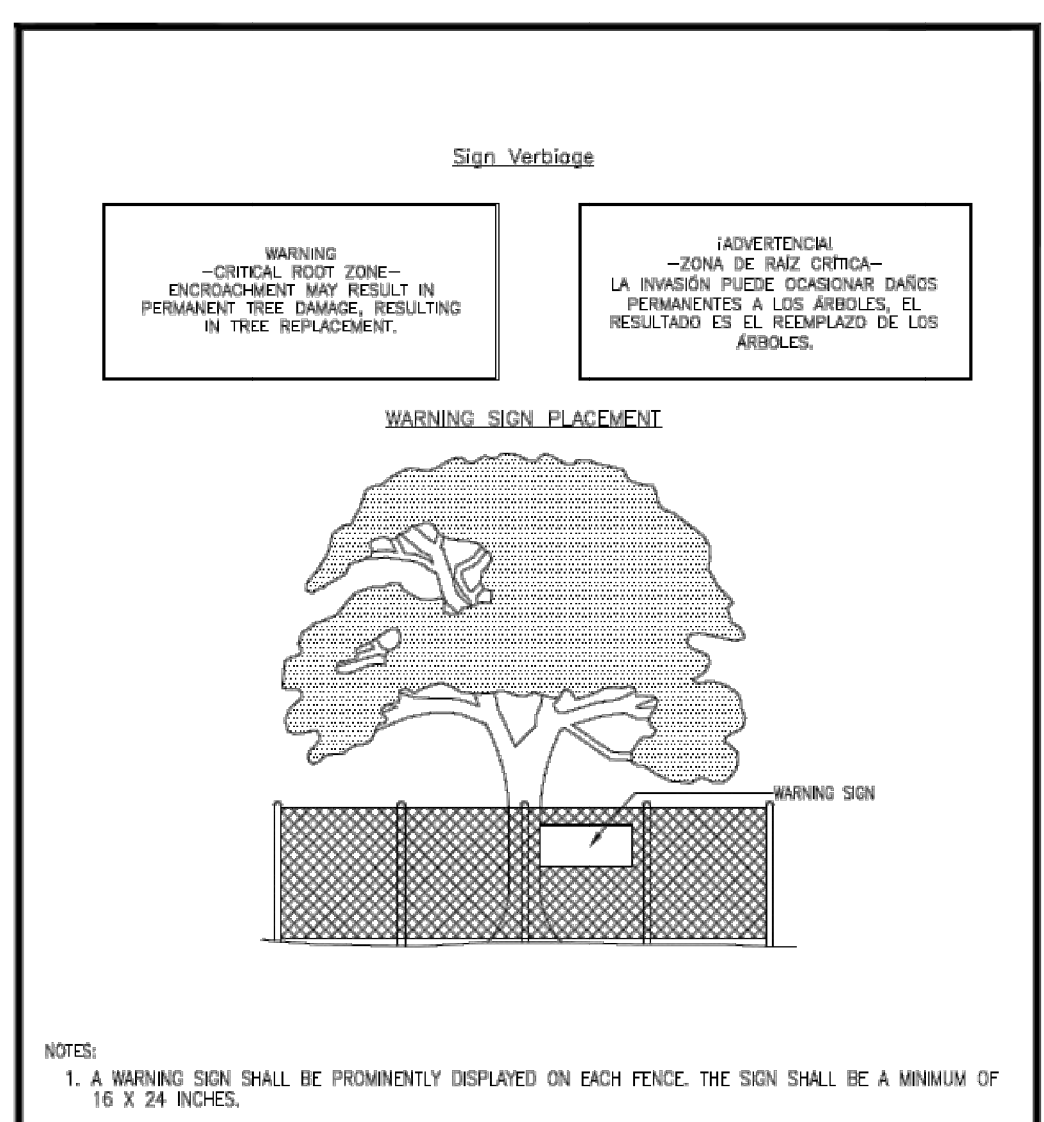
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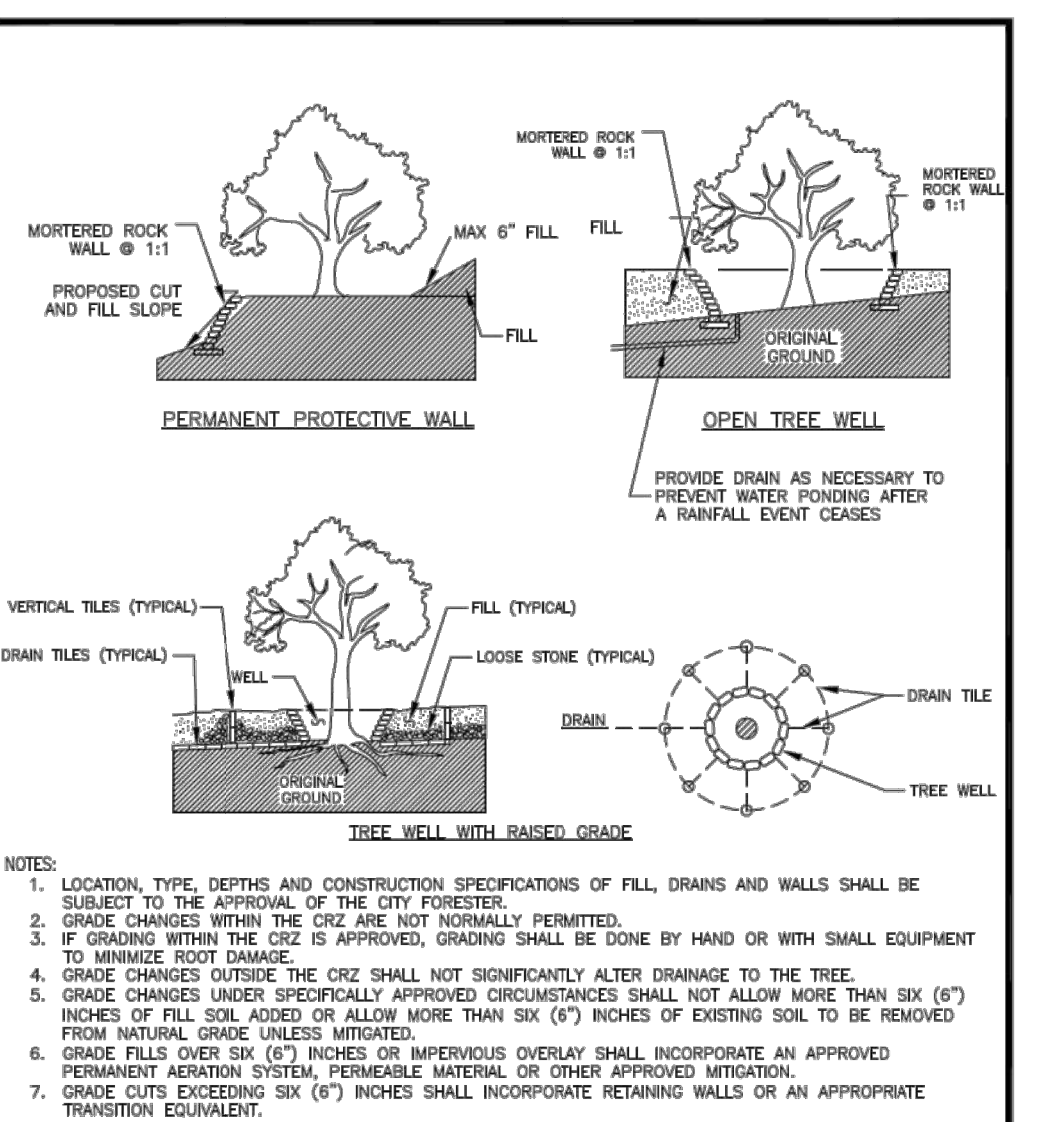
CONSTRUCTION STANDARDS AND DETAILS



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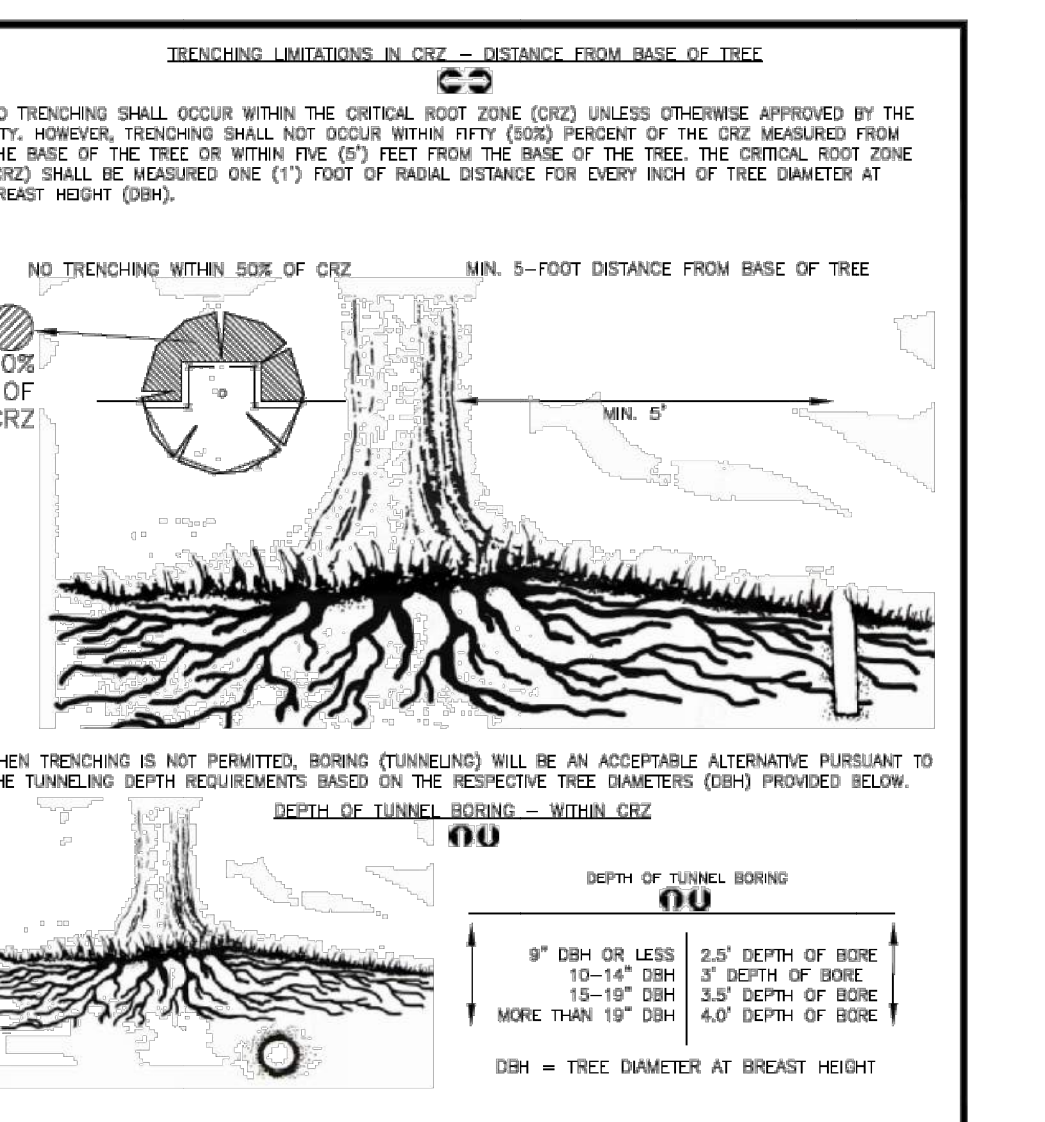
CONSTRUCTION STANDARDS AND DETAILS



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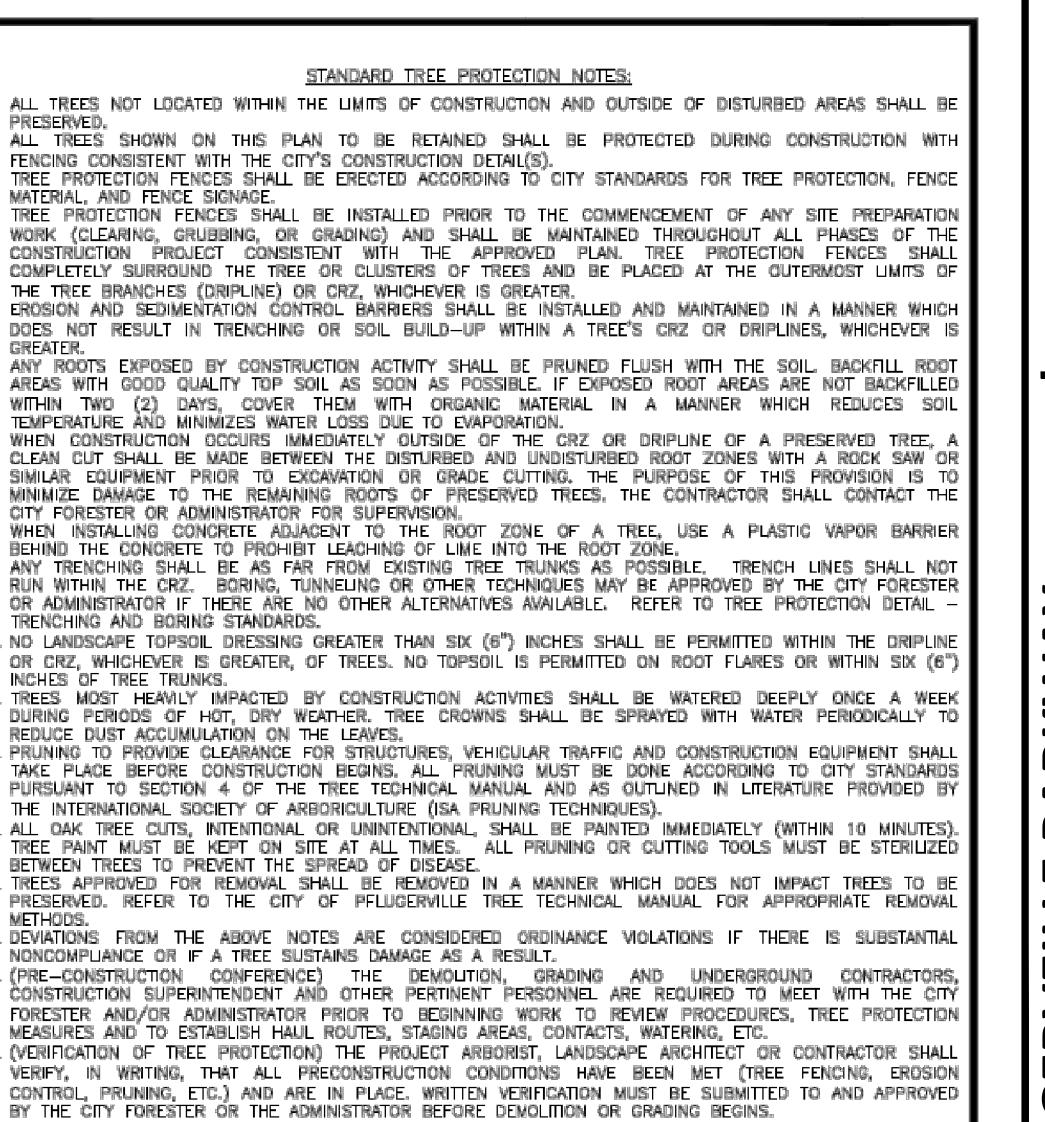
CONSTRUCTION STANDARDS AND DETAILS



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CONSTRUCTION STANDARDS AND DETAILS



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CONSTRUCTION STANDARDS AND DETAILS

Appendix C-6

A4 TREE PROTECTION - FENCE LOCATIONS (MISC)

NOT TO SCALE CITY OF PFLUGERVILLE

Appendix C-7

B4 TREE PROTECTION - WARNING SIGN

NOT TO SCALE CITY OF PFLUGERVILLE

Appendix C-8

C4 TREE PROTECTION - TREE WELLS

NOT TO SCALE CITY OF PFLUGERVILLE

Appendix C-9

D4 TREE PROTECTION - TRENCHING & BORING STANDARDS

NOT TO SCALE CITY OF PFLUGERVILLE

Appendix C-10

E4 STANDARD TREE PROTECTION NOTES

NOT TO SCALE CITY OF PFLUGERVILLE

REVISIONS

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124934

STATE OF TEXAS

10/28/2022

PROFESSIONAL ENGINEER

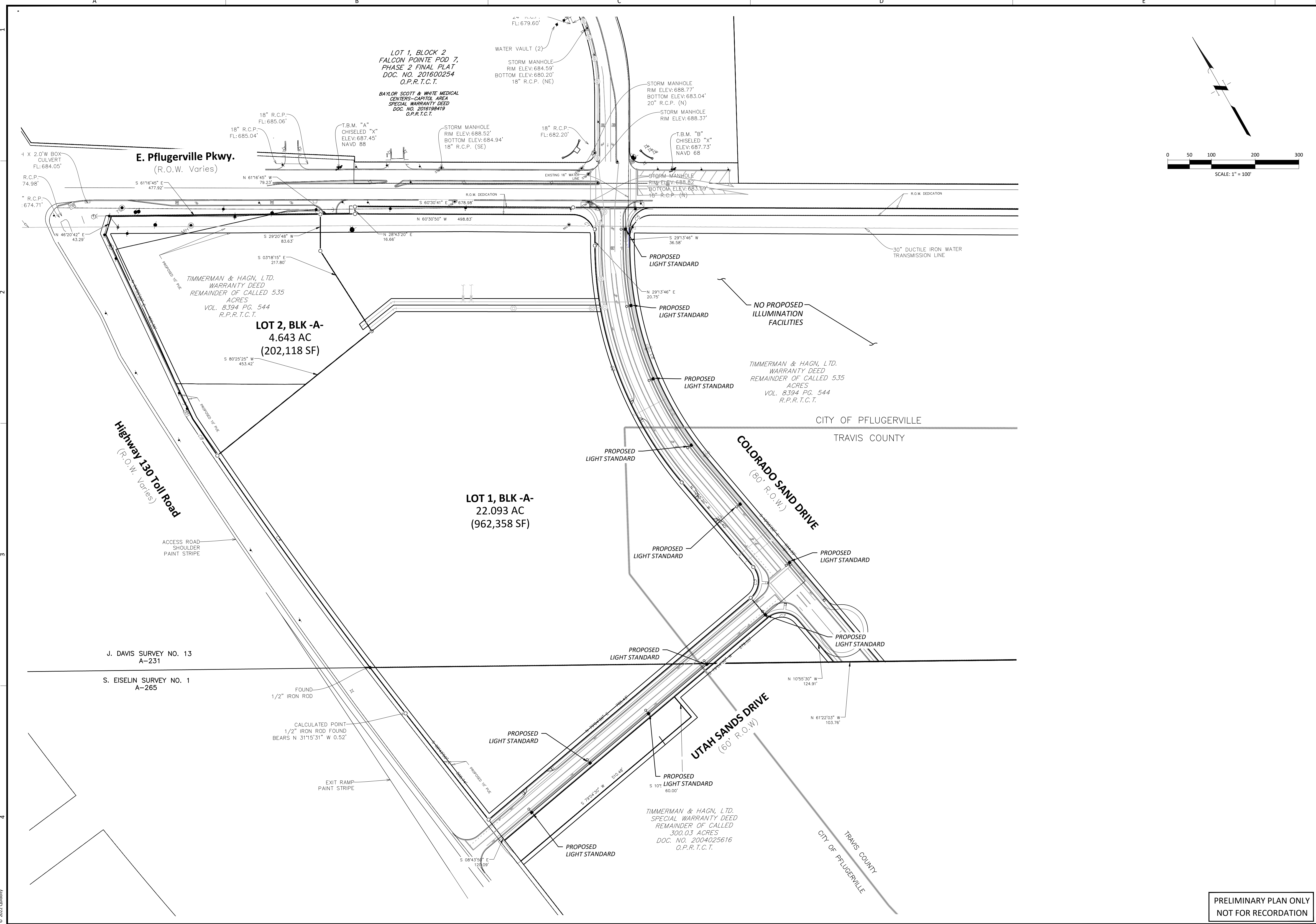
PRELIMINARY TREE SURVEY DETAILS

EAST PFLUGERVILLE PARKWAY COMMERCIAL CENTER

PRELIMINARY PLAN ONLY NOT FOR RECORDATION

SHEET NO. **16**

OF 19



App. _____

No. _____

Date _____

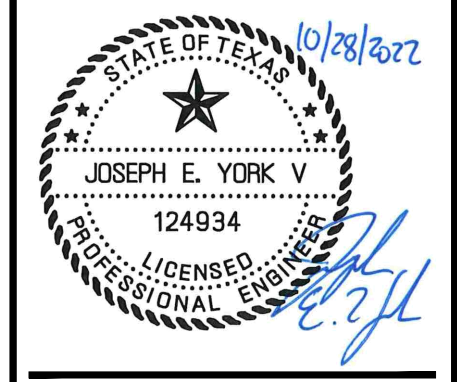
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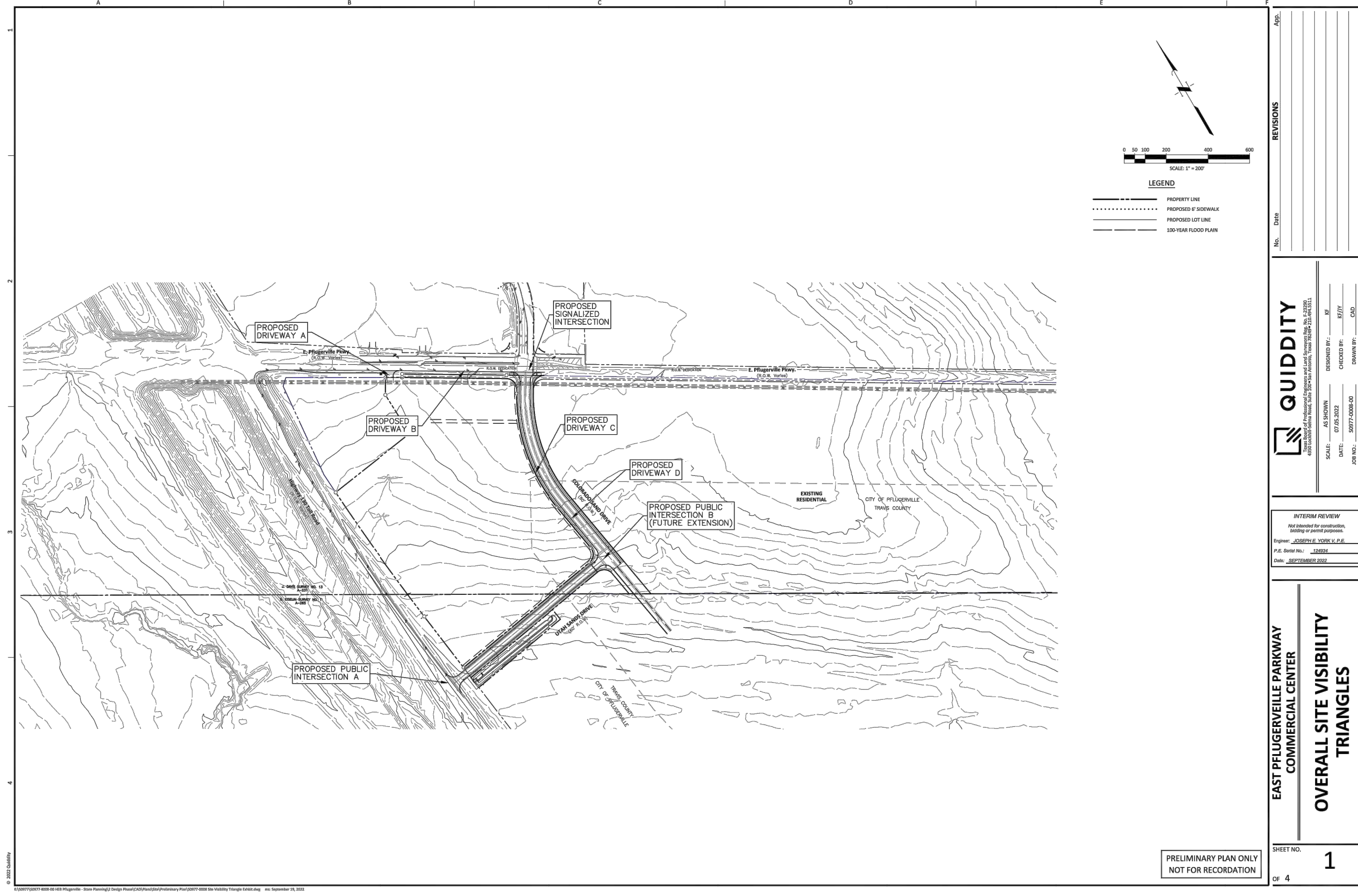


EAST PFLUGERVILLE PARKWAY
 COMMERCIAL CENTER

PRELIMINARY ILLUMINATION PLAN

SHEET NO. **17**
 OF 19

PRELIMINARY PLAN ONLY
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PROJECT: EAST PFLUGERVILLE PARKWAY COMMERCIAL CENTER
 SHEET NO. 1 OF 4
 DATE: 07/05/2022

DESIGNED BY: JF
 CHECKED BY: KF/JY
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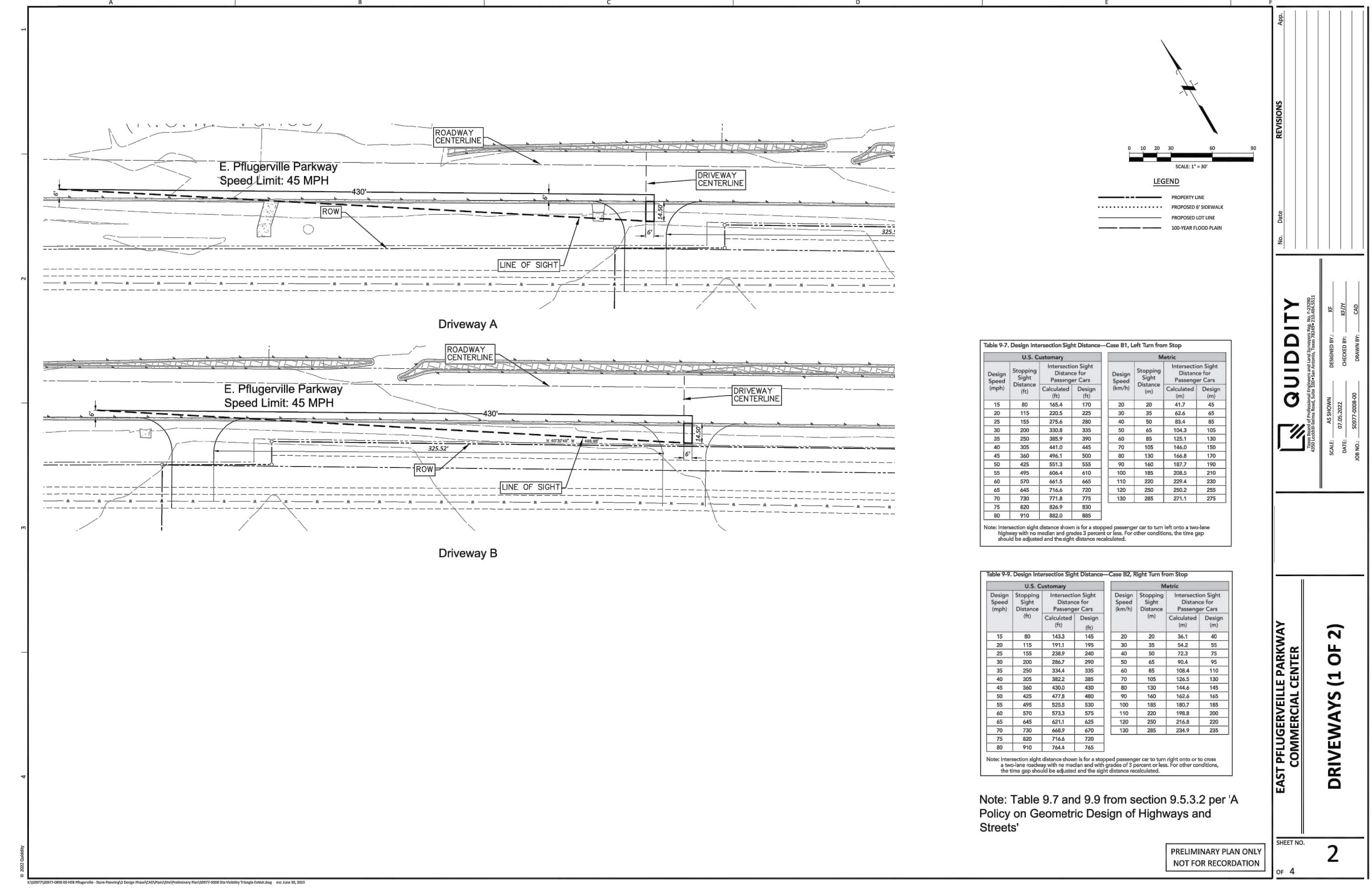


Table 9.7: Design Intersection Sight Distance—Case B1, Left Turn from Stop

Design Speed (mph)	U.S. Customary		Metric	
	Stopping Sight Distance (ft)	Intersection Sight Distance for Passenger Cars (ft)	Stopping Sight Distance (m)	Intersection Sight Distance for Passenger Cars (m)
15	80	168.4	23	51.4
20	115	235.9	33	73.1
25	150	303.4	43	94.8
30	190	388.9	55	124.3
35	230	474.4	67	153.8
40	280	569.9	81	183.3
45	340	675.4	97	212.8
50	410	790.9	115	242.3
55	490	916.4	135	271.8
60	580	1041.9	157	301.3
65	680	1167.4	181	330.8
70	790	1292.9	207	360.3
75	910	1418.4	235	389.8
80	1040	1543.9	265	419.3

Table 9.8: Design Intersection Sight Distance—Case B2, Right Turn from Stop

Design Speed (mph)	U.S. Customary		Metric	
	Stopping Sight Distance (ft)	Intersection Sight Distance for Passenger Cars (ft)	Stopping Sight Distance (m)	Intersection Sight Distance for Passenger Cars (m)
15	80	168.4	23	51.4
20	115	235.9	33	73.1
25	150	303.4	43	94.8
30	190	388.9	55	124.3
35	230	474.4	67	153.8
40	280	569.9	81	183.3
45	340	675.4	97	212.8
50	410	790.9	115	242.3
55	490	916.4	135	271.8
60	580	1041.9	157	301.3
65	680	1167.4	181	330.8
70	790	1292.9	207	360.3
75	910	1418.4	235	389.8
80	1040	1543.9	265	419.3

Note: Table 9.7 and 9.8 from section 9.5.3.2 per 'A Policy on Geometric Design of Highways and Streets'

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 PROFESSIONAL ENGINEERS AND LAND SURVEYORS
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PROJECT: EAST PFLUGERVILLE PARKWAY COMMERCIAL CENTER
 SHEET NO. 2 OF 4
 DATE: 07/05/2022

DESIGNED BY: JF
 CHECKED BY: KF/JY
 DRAWN BY: CAD

A3 SITE VISIBILITY TRIANGLE - OVERALL
 NOT TO SCALE

D3 SITE VISIBILITY TRIANGLE - DRIVEWAY (1 OF 2)
 NOT TO SCALE

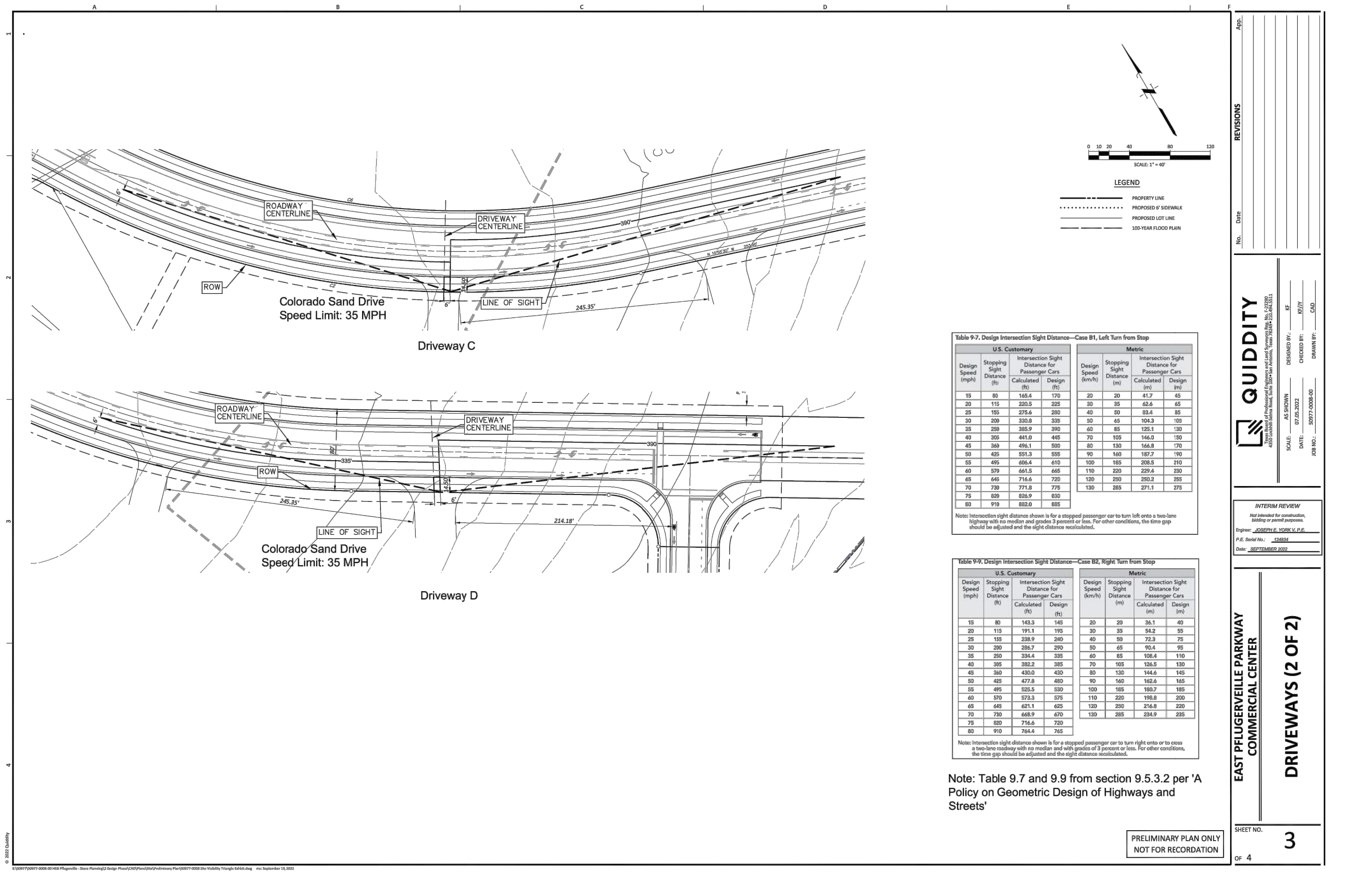


Table 9.7: Design Intersection Sight Distance—Case B1, Left Turn from Stop

Design Speed (mph)	U.S. Customary		Metric	
	Stopping Sight Distance (ft)	Intersection Sight Distance for Passenger Cars (ft)	Stopping Sight Distance (m)	Intersection Sight Distance for Passenger Cars (m)
15	80	168.4	23	51.4
20	115	235.9	33	73.1
25	150	303.4	43	94.8
30	190	388.9	55	124.3
35	230	474.4	67	153.8
40	280	569.9	81	183.3
45	340	675.4	97	212.8
50	410	790.9	115	242.3
55	490	916.4	135	271.8
60	580	1041.9	157	301.3
65	680	1167.4	181	330.8
70	790	1292.9	207	360.3
75	910	1418.4	235	389.8
80	1040	1543.9	265	419.3

Table 9.8: Design Intersection Sight Distance—Case B2, Right Turn from Stop

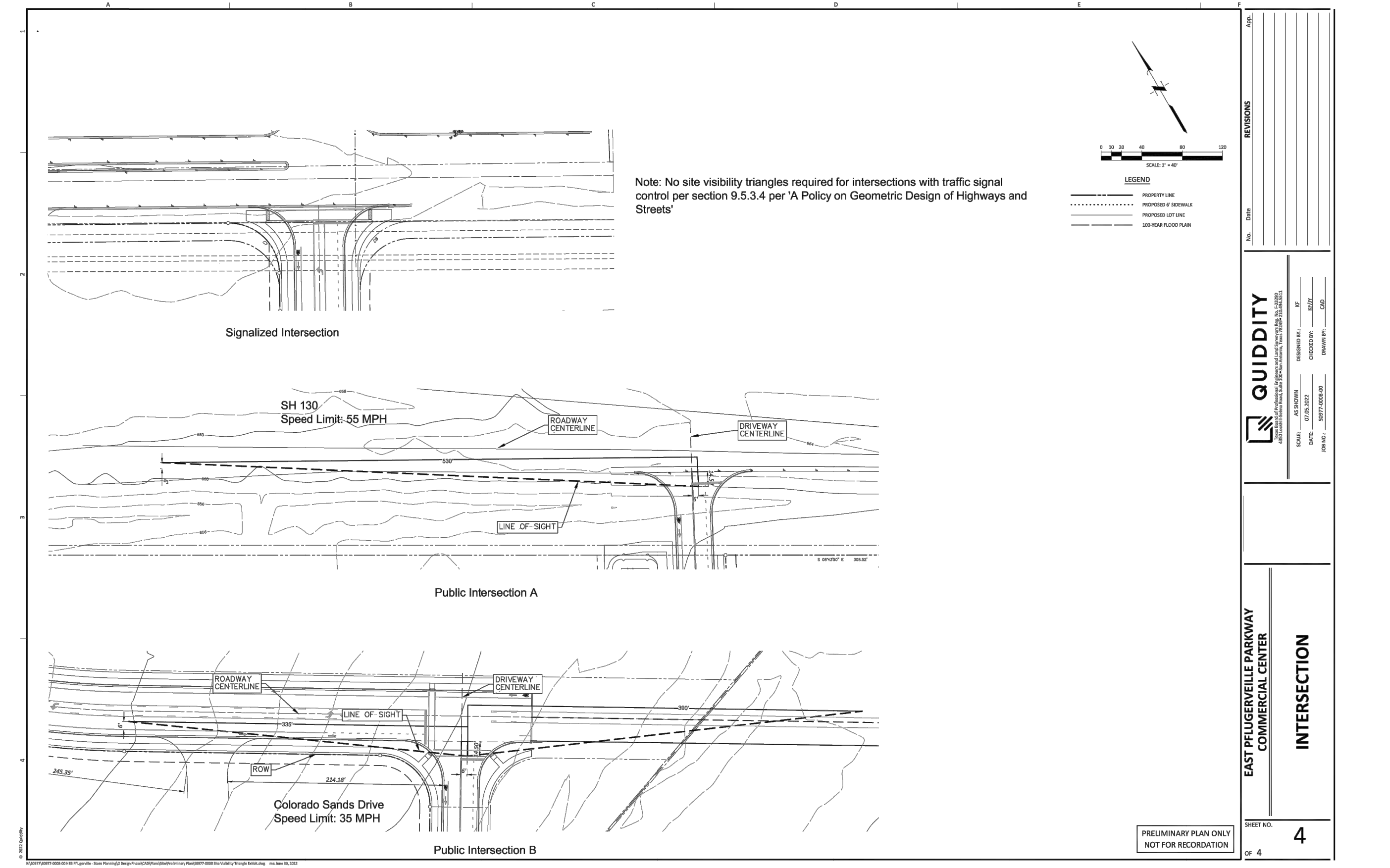
Design Speed (mph)	U.S. Customary		Metric	
	Stopping Sight Distance (ft)	Intersection Sight Distance for Passenger Cars (ft)	Stopping Sight Distance (m)	Intersection Sight Distance for Passenger Cars (m)
15	80	168.4	23	51.4
20	115	235.9	33	73.1
25	150	303.4	43	94.8
30	190	388.9	55	124.3
35	230	474.4	67	153.8
40	280	569.9	81	183.3
45	340	675.4	97	212.8
50	410	790.9	115	242.3
55	490	916.4	135	271.8
60	580	1041.9	157	301.3
65	680	1167.4	181	330.8
70	790	1292.9	207	360.3
75	910	1418.4	235	389.8
80	1040	1543.9	265	419.3

Note: Table 9.7 and 9.8 from section 9.5.3.2 per 'A Policy on Geometric Design of Highways and Streets'

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PROJECT: EAST PFLUGERVILLE PARKWAY COMMERCIAL CENTER
 SHEET NO. 3 OF 4
 DATE: 07/05/2022

DESIGNED BY: JF
 CHECKED BY: KF/JY
 DRAWN BY: CAD



Note: No site visibility triangles required for intersections with traffic signal control per section 9.5.3.4 per 'A Policy on Geometric Design of Highways and Streets'

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PROJECT: EAST PFLUGERVILLE PARKWAY COMMERCIAL CENTER
 SHEET NO. 4 OF 4
 DATE: 07/05/2022

DESIGNED BY: JF
 CHECKED BY: KF/JY
 DRAWN BY: CAD

A4 SITE VISIBILITY TRIANGLE - DRIVEWAY (2 OF 2)
 NOT TO SCALE

D4 SITE VISIBILITY TRIANGLE - INTERSECTIONS
 NOT TO SCALE

APP. REVISIONS

No. Date

QUIDDITY
 PROFESSIONAL ENGINEERS AND LAND SURVEYORS
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DESIGNED BY: JF
 CHECKED BY: KF/JY
 DRAWN BY: CAD

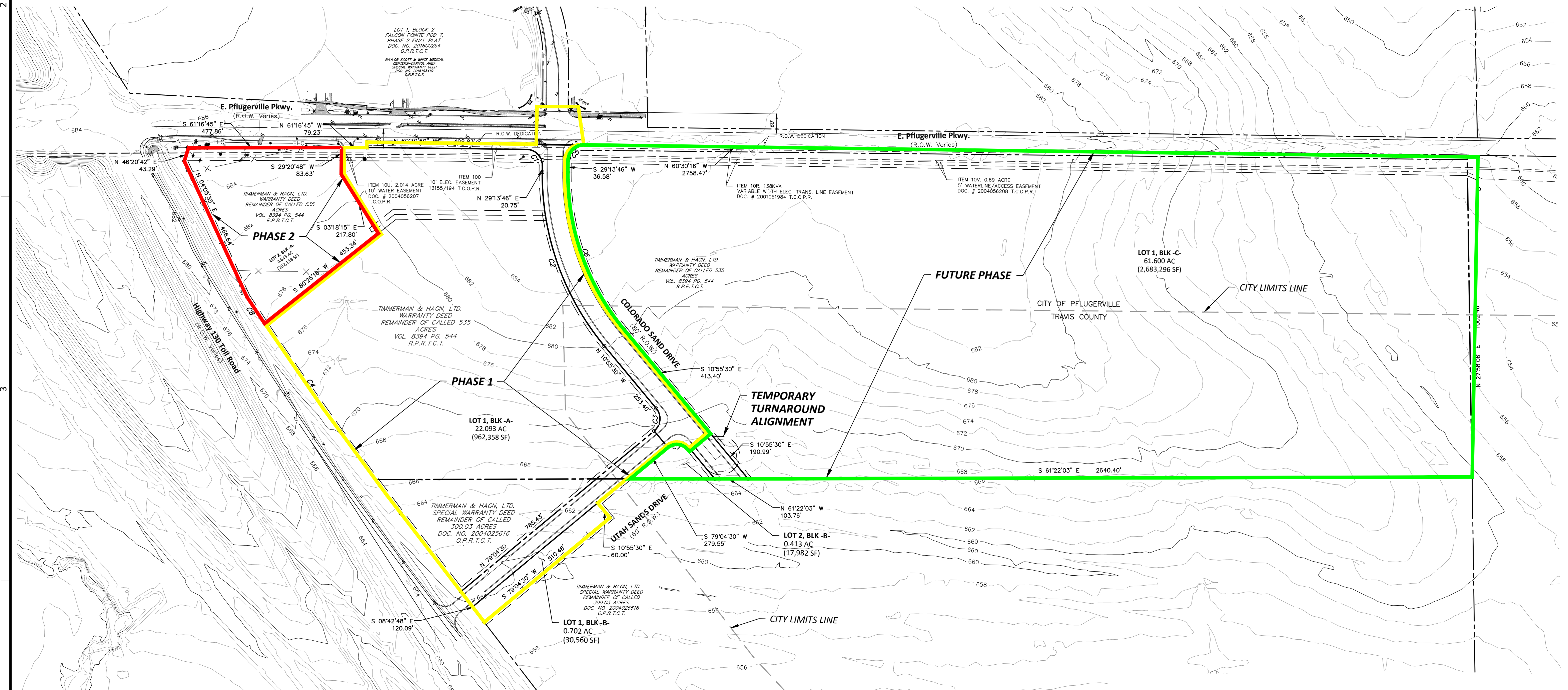
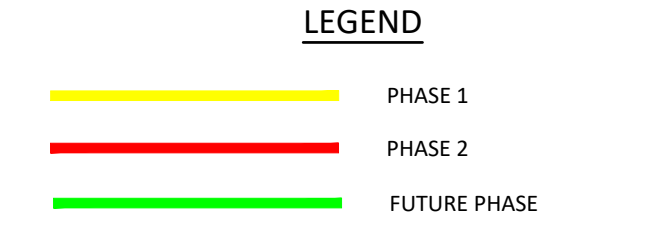
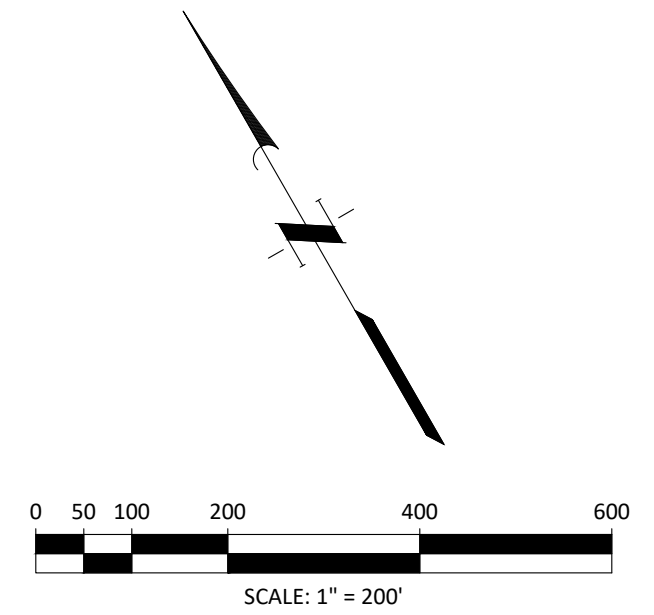
SCALE: AS SHOWN
 DATE: 07/05/2022
 JOB NO.: 50977-0005-00

SHEET NO. **18** OF 19

PRELIMINARY PLAN ONLY
 NOT FOR RECORDATION

STATE OF TEXAS
 124934
 JOSEPH E. YORK V
 PROFESSIONAL ENGINEER
 10/28/2022

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	TANGENT
C1	50.00'	78.32'	89°44'36"	N15°38'32"W	70.55'	49.78'
C2	840.00'	588.69'	40°09'16"	N9°09'08"E	576.72'	307.02'
C3	50.00'	78.94'	89°39'56"	N34°04'30"E	70.71'	50.00'
C4	10982.11'	728.64'	3°48'24"	S6°49'42"E	729.51'	364.95'
C5	50.00'	78.77'	90°15'58"	S74°21'45"W	70.87'	50.23'
C6	760.00'	532.63'	40°09'16"	S9°09'08"W	521.79'	277.78'
C7	50.00'	78.54'	90°00'00"	N55°55'30"W	70.71'	50.00'
C8	20593.90'	100.69'	0°16'48"	N4°39'45"W	100.69'	50.35'



BENCHMARKS:

T.B.M. "A":
 CHISELED "X" IN CONCRETE SET IN CENTER OF CURB INLET ON THE NORTHEASTERN SIDE OF EAST PFLUGERVILLE PARKWAY APPROXIMATELY 638 FEET NORTHWEST OF THE CENTER MEDIAN OF COLORADO SAND DRIVE AND APPROXIMATELY 114 FEET NORTHEAST FROM THE NORTHWESTERN CORNER OF THE PROJECT SITE. ELEVATION 687.45' (NAVD 88) AS A RESULT OF THE ON THE GROUND SURVEY COMPLETED MARCH 2022.

(GRID COORDINATES)
 N = 10,138,211.9498
 E = 3,160,501.9799
 ELV. 687.45'

T.B.M. "B":
 CHISELED "X" IN CONCRETE SET ON TOP OF CURB ON THE NORTHEASTERN SIDE OF EAST PFLUGERVILLE PARKWAY APPROXIMATELY 125 FEET SOUTHEAST OF THE CENTER MEDIAN OF COLORADO SAND DRIVE AND APPROXIMATELY 242 FEET NORTHEAST FROM THE NORTHEASTERN CORNER OF THE PROJECT SITE. ELEVATION 687.73' (NAVD 88) AS A RESULT OF THE ON THE GROUND SURVEY COMPLETED MARCH 2022.

(GRID COORDINATES)
 N = 10,137,834.3688
 E = 3,161,165.4069
 ELV. 687.73'

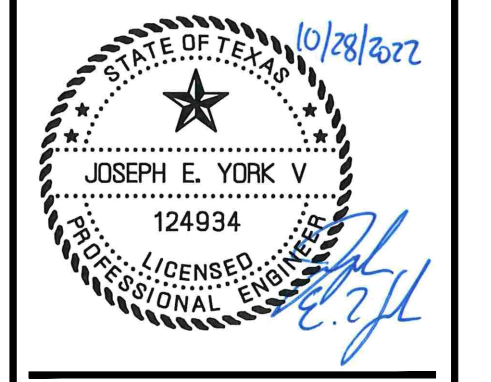
- GENERAL PLAN NOTES:**
- NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS DELINEATED ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0280J FOR TRAVIS COUNTY, EFFECTIVE AUGUST 18, 2014.
 - DEVELOPMENT PLANS FOR RESERVE TRACT 2 SHOWN HEREIN ARE UNKNOWN AT THIS TIME. ANY DIVISION OR PROPOSED DEVELOPMENT OF RESERVE TRACT 2 SHALL REQUIRE A NEW/REVISION TO THE PRELIMINARY PLAN (AS DETERMINED BY THE PLANNING DIRECTOR) TO DEFINE THE FULL CONFIGURATION OF THE DEVELOPMENT, INCLUDING BUT NOT LIMITED TO THE PROPOSED LAND USE, LOT CONFIGURATION, TRAFFIC IMPACT ANALYSIS, ALL ROAD EXTENSIONS AND ALIGNMENTS, DRAINAGE AND FLOODPLAIN, AND ALL UTILITY EXTENSIONS.
 - PHASE DEVELOPMENT IS SHOWN ON SHEET 19 - PRELIMINARY PHASE DEVELOPMENT.

No.	Date	REVISIONS

QUIDDITY
 Texas Board of Professional Engineers and Land Surveyors, Reg. No. E-23290
 4350 Lockhill-Selma Road, Suite 100 • San Antonio, Texas 78249 • 210-494-5511

DESIGNED BY: KF
 CHECKED BY: KF/JY
 DRAWN BY: CAD

SCALE: AS SHOWN
 DATE: 07.05.2022
 JOB NO.: 50977-0008-00



**EAST PFLUGERVILLE PARKWAY
 COMMERCIAL CENTER**

**PRELIMINARY DEVELOPMENT
 PHASING PLAN**

PRELIMINARY PLAN ONLY
 NOT FOR RECORDATION