



REQUEST FOR PROPOSAL

BASTROP COUNTY COMBINED SERVICES FACILITY CONSTRUCTION - PHASE 2

RFP 24BCP05D

July 1, 2024

ADDENDUM #1

Notice to Respondents:

This addendum will be considered a part of Bastrop County's Request for Proposals for Bastrop County Combined Services Facility Construction - Phase 2. Where provisions of this addendum differ from those of the original Request for Proposals, this addendum will govern.

ACKNOWLEDGED

Printed Name of Respondent

Authorized Signature

Date

RETURN ONE COPY SIGNED COPY OF THIS ADDENDUM TO THE PURCHASING OFFICE WITH YOUR SEALED PROPOSAL. FAILURE TO DO SO, MAY AUTOMATICALLY DISQUALIFY YOUR RESPONSE FROM CONSIDERATION FOR AWARD.

ITEMS FOR ADDENDUM #1:

The original request for proposal (RFP 24BCP05D - Bastrop County Combined Services Facility Construction - Phase 2) document was missing the civil drawings for the project site. Attached to this Addendum #1 are the civil drawings that were produced by BEFCO Engineering. These updated civil drawings are to be considered part of the solicitation package.

Pre-Proposal Meeting: 10:00 A.M. (CST), July 10, 2024 at the proposed Bastrop County Combined Services Facility located at 1041 Lovers Lane, Bastrop, Texas 78602.

Proposal Closing Date: 2 :00 P.M. (CST), July 31, 2024

BASTROP COUNTY
COMBINE SERVICES FACILITY



COUNTY JUDGE
PAUL PAPE

COUNTY COMMISSIONERS

MEL HAMNER, PRECINCT 1
MARK MEUTH, PRECINCT 3

CLARA BECKETT, PRECINCT 2
DONNA SNOWDEN, PRECINCT 4

Sheet List Table	
Sheet Number	Sheet Title
C1	Cover
C2	General Notes
C3	Topographic Survey & Demolition Plan
C4	Site & Utility Plan
C5	Grading Plan
C6	Drainage Plan
C7	Detail Sheet

BEFCO ENGINEERING, INC.
JULY 2022



The seal appearing on this document was authorized by Chad Emmel, P.E. 103495 on July 11, 2022. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.
Texas Registered Engineering Firm F-2011



BEFCO ENGINEERING, INC.
P. O. Box 615
LaGrange, Texas 78945
(979) 968-6474 TBPE F-2011

BASTROP COUNTY
BASTROP COUNTY COMBINE SERVICES FACILITY
 1041 LOVERS LANE, BASTROP, TX 78602

REVISION:

1.	
2.	
3.	

DRAWN BY: CE
 CHECKED BY: CE
 BEFCO JOB NO:
 22-8278
 PLOT SCALE
 1" = 20'

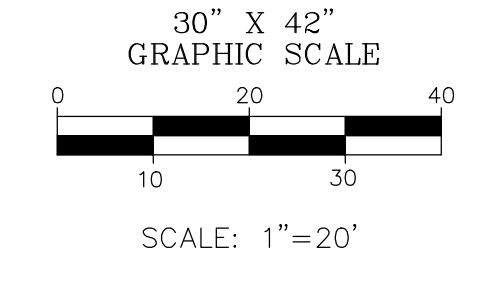
SHEET TITLE
**TOPOGRAPHIC
 SURVEY &
 DEMOLITION
 PLAN**

DATE ISSUED: 7/1/22

SHEET

C3

OF 7



Dart Frog, LLC
 Inst# 202006653
 Rem. of 48.48 Ac

S77° 45' 21"E 598.57'

Bastrop County
 5.01 Ac Tract
 CF No. 202110983
 B.C.O.R.

Dart Frog, LLC
 Inst# 202006653
 Rem. of 48.48 Ac

N77° 45' 21"W 598.39'

100' L.C.R.A. EASEMENT
 Vol. 163, Pg. 432
 Vol. 103, Pg. 637
 B.C.D.R.

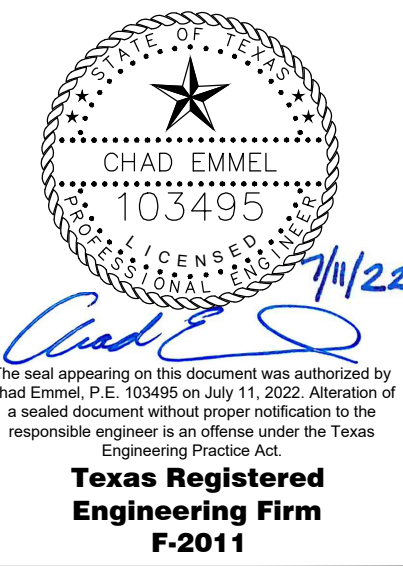
EX GAVEL ENTRANCE TO
 BE REMOVED. INITIALLY
 SHALL BE USED AS
 CONSTRUCTION
 ENTRANCE

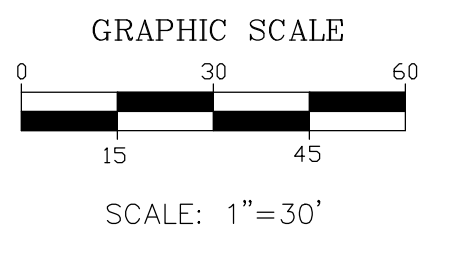
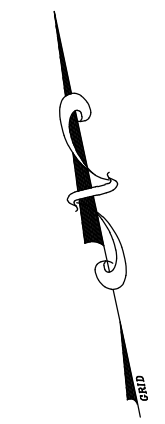
EX WIRE FENCE TO BE
 REMOVED - 207 LF

EX WIRE FENCE TO BE
 REMOVED - 300 LF

PLACE SILT FENCE ALONG
 SOUTHERN AND EASTERN LIMITS

PLACE SILT FENCE ALONG
 SOUTHERN AND EASTERN LIMITS



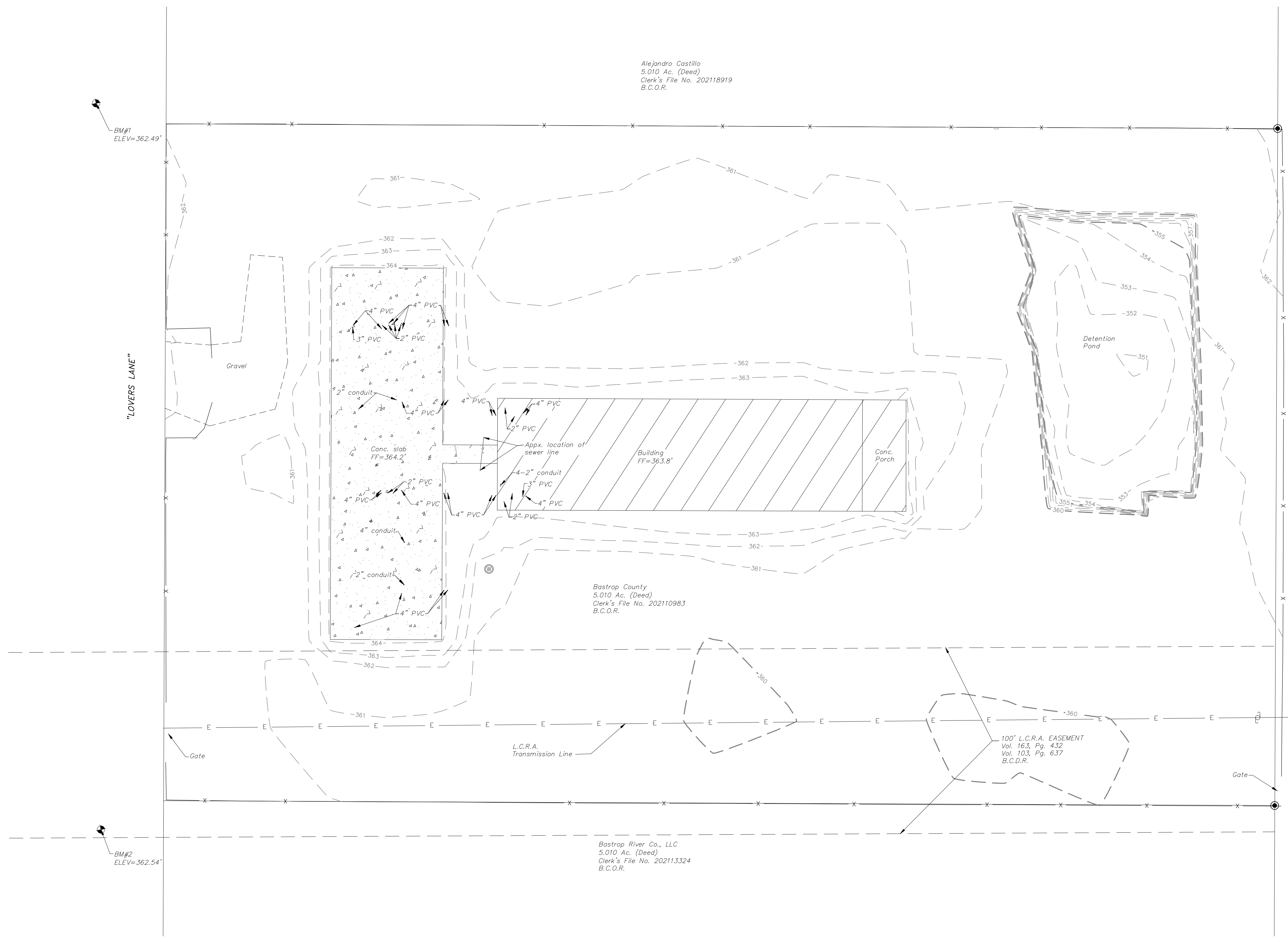


- LEGEND
- - 1/2" Iron rod found (or as noted)
 - ⊕ - Benchmark
 - E — Overhead electric line
 - ⊕ - Utility Pole
 - ⊕ - Water well
 - X — Wire fence line

Elevations shown hereon are NAVD 88.

NOTE: Subject tract is designated shaded ZONE "X" according to F.E.M.A. Flood Insurance Rate Map No. 48021C0355E dated January 19, 2006.

THIS TOPOGRAPHIC SURVEY IS NOT A CERTIFIED BOUNDARY SURVEY. LOCATION OF PROPERTY LINES SHOWN HEREON ARE BASED ON FOUND MONUMENTS AND RECORD CALLS ONLY.



Alejandro Castillo
5.010 Ac. (Deed)
Clerk's File No. 202118919
B.C.O.R.

Bastrop County
5.010 Ac. (Deed)
Clerk's File No. 202110983
B.C.O.R.

Bastrop River Co., LLC
5.010 Ac. (Deed)
Clerk's File No. 202113324
B.C.O.R.

100' L.C.R.A. EASEMENT
Vol. 163, Pg. 432
Vol. 103, Pg. 637
B.C.D.R.

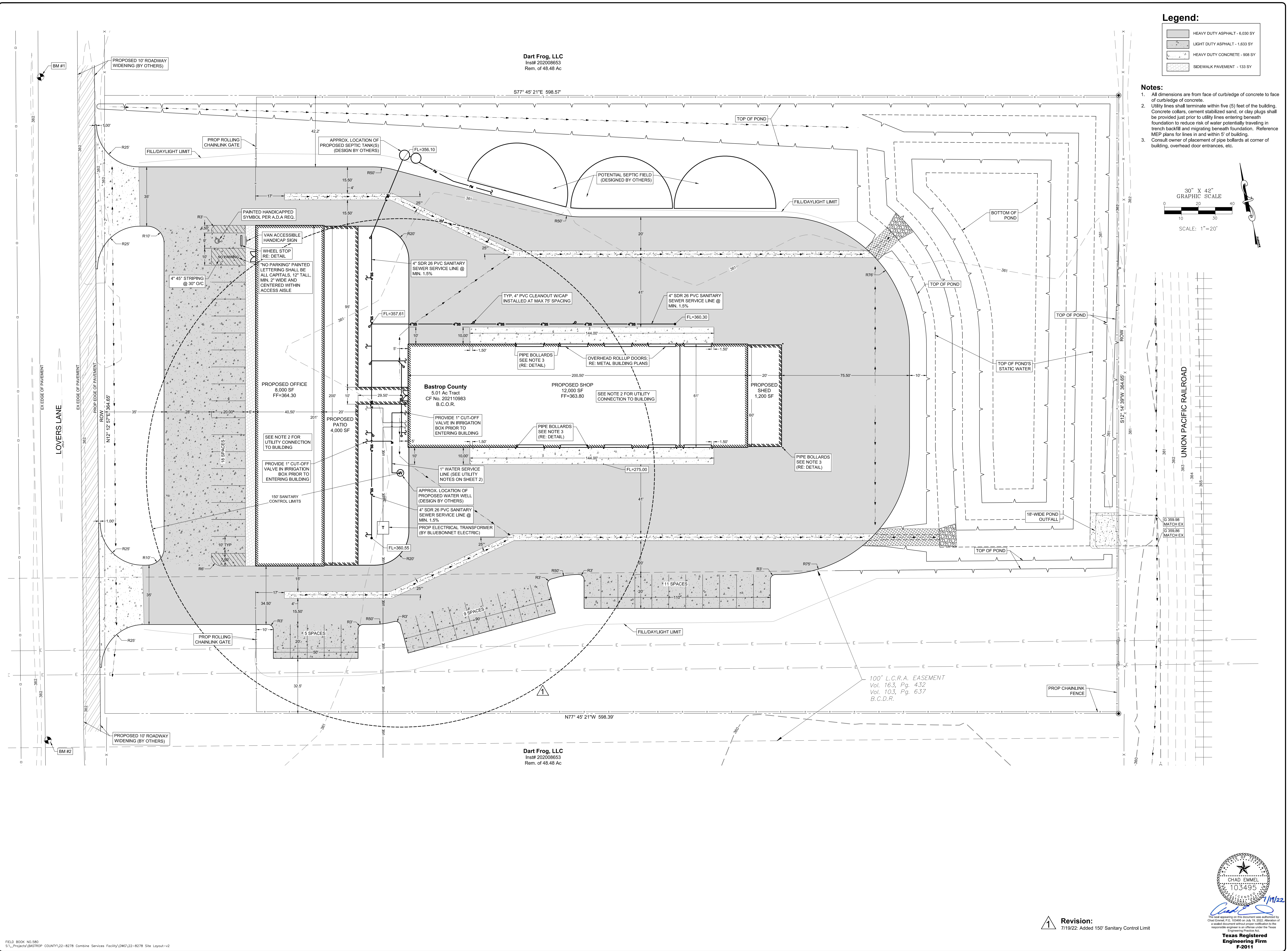
BASTROP COUNTY TOPOGRAPHIC SURVEY



BEFCO ENGINEERING, INC.
P. O. Box 615
LaGrange, Texas 78945
(979) 968-6474
Engineering Firm #F-2011
Surveying Firm #10001700

PLAT SHOWING THE TOPOGRAPHIC SURVEY OF A 5.010 ACRE TRACT SITUATED IN THE STEPHEN F. AUSTIN SURVEY, A-2, IN BASTROP COUNTY, TEXAS, CONVEYED TO BASTROP COUNTY IN A DEED DATED MAY 26, 2021 AND RECORDED IN CLERK'S FILE NO. 202110983 OF THE OFFICIAL RECORDS OF BASTROP COUNTY

DRAWN BY: JVM	DATE: 03/07/23	DRAWING NO.
CHECKED BY: CRT	DATE: 03/09/23	1 of 1
APP'D BY: CRT	DATE: 03/09/23	



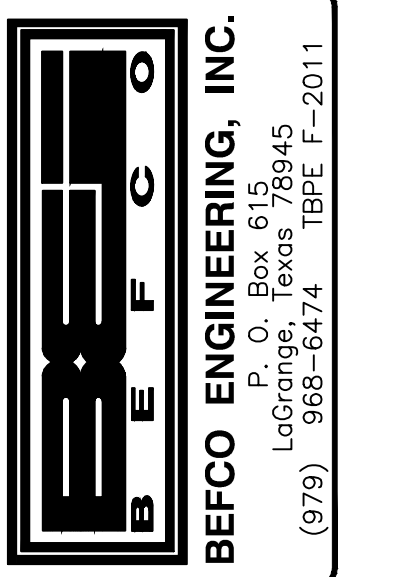
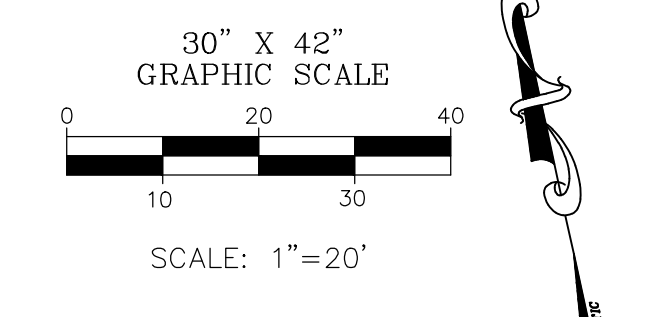
Dart Frog, LLC
Inst# 202006653
Rem. of 48.48 Ac

Dart Frog, LLC
Inst# 202006653
Rem. of 48.48 Ac

Legend:

[Pattern]	HEAVY DUTY ASPHALT - 6,030 SY
[Pattern]	LIGHT DUTY ASPHALT - 1,633 SY
[Pattern]	HEAVY DUTY CONCRETE - 908 SY
[Pattern]	SIDEWALK PAVEMENT - 133 SY

- Notes:**
- All dimensions are from face of curb/edge of concrete to face of curb/edge of concrete.
 - Utility lines shall terminate within five (5) feet of the building. Concrete collars, cement stabilized sand, or clay plugs shall be provided just prior to utility lines entering beneath foundation to reduce risk of water potentially traveling in trench backfill and migrating beneath foundation. Reference MEP plans for lines in and within 5' of building.
 - Consult owner of placement of pipe bollards at corner of building, overhead door entrances, etc.



BASTROP COUNTY COMBINE SERVICES FACILITY
1041 LOVERS LANE, BASTROP, TX 78602

REVISION:

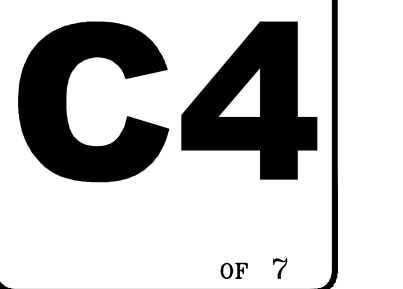
1.	7/19/22
2.	
3.	

DRAWN BY: CE
CHECKED BY: CE

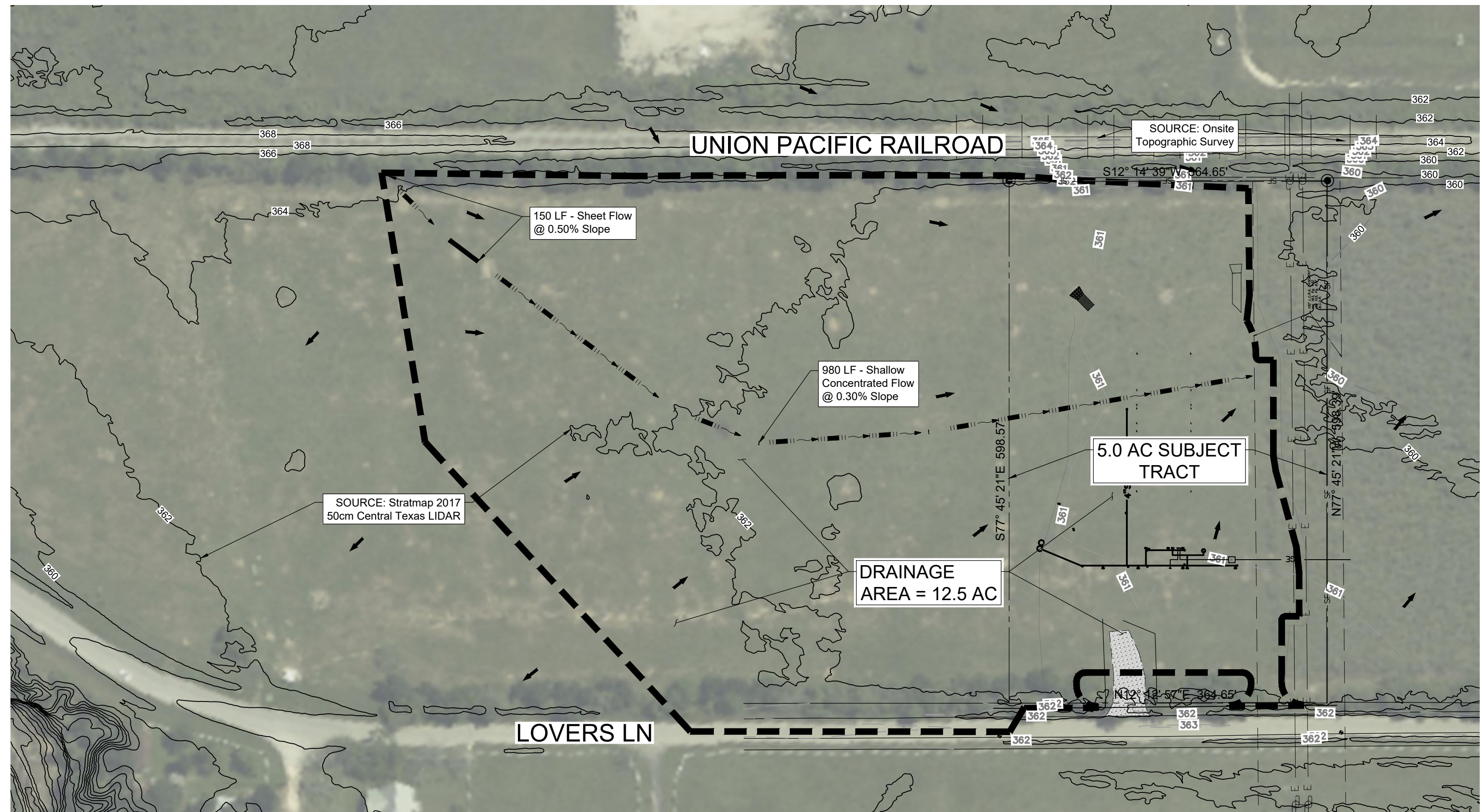
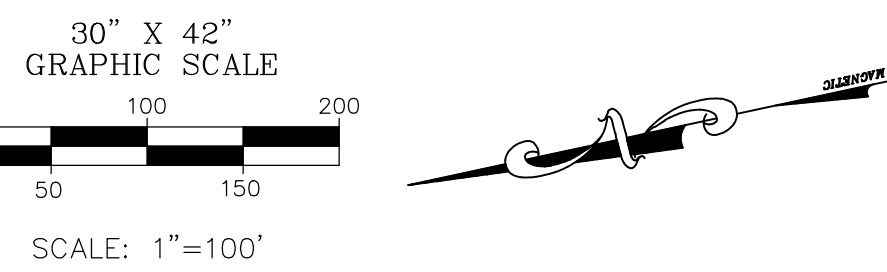
BEFCO JOB NO: 22-6278
PLOT SCALE: 1" = 20'

SHEET TITLE
SITE & UTILITY PLAN

DATE ISSUED: 7/19/22
SHEET



Revision:
7/19/22: Added 150' Sanitary Control Limit



General Site Information:

- Total site acreage is 5.00.
- Developer: Bastrop County
- The site and adjacent properties to the north and south are currently undeveloped. The west side fronts Lazy Lane and the east side borders the Union Pacific Railroad right-of-way.
- Development has approximately 365 feet of frontage along Lazy Lane.
- The property is under the jurisdiction of Bastrop County.
- Post development stormwater discharge rates will be kept comparable to predevelopment rates by way of an on-site detention pond for the 100-year event. Only a portion of the pond will outfall via gravity discharge while the County proposes to discharge the remaining stormwater detain via a mobile stormwater pumping unit after storm events.

Pre and Post Development Hydrology

Hydrology Hydrographs Extension for AutoCAD Civil 3D 2023 and the NRCS (SCS) Unit Hydrograph Method were utilized to develop pre and post development hydrographs, size the detention pond and outfall structure and route post development stormwater flows through the proposed pond and outfall. A Type II rainfall distribution was used.

Pre-Development:

- The area's general existing drainage pattern is from north to south passing onto the adjacent property.
- The existing undeveloped site is an open field with no improvements and is currently being used for agricultural purposes.
- A review of USDA's NRCS Web Soil Survey for the subject property shows the property to be within Group B of the hydrologic soil classifications. A Curve Number of 69 (CN=69) was selected for pasture land in fair condition for predevelopment conditions.
- The pre-development time of concentration was found to be approximately 49 minutes.

Post Development:

- The proposed development will add approximately 3.22 acres of various severity of impervious cover including buildings, delivery area, parking area and a detention/retention pond.
- Off-site, up gradient contributing drainage area will be diverted directly into the detention pond.
- Time of concentration for the post development site was found to be approximately 48 minutes.
- Impervious areas are assumed to have a curve number of 98. The proposed pond will have both a permanent pool area and an area reserved for detention. The permanent pool area was given a curve number of 98 while the detention area was given a curve number of 70. Open spaces of the developed site are assumed to have a curve number of 61 after development. These values were selected from TR-55. The resultant cumulative curve number is 76.

TR55 Tc Worksheet

Hydrology Hydrographs Extension for AutoCAD Civil 3D 2023 by Autodesk, Inc. v2023

Hyd. No. 1
Pre-Development

Description	A	B	C	Totals
Sheet Flow				
Manning's n-value	= 0.240	0.011	0.011	
Flow length (ft)	= 150.0	0.0	0.0	
Two-year 24-hr precip. (in)	= 4.18	0.00	0.00	
Land slope (%)	= 0.50	0.00	0.00	
Travel Time (min)	= 30.07	+ 0.00	+ 0.00	= 30.07

Shallow Concentrated Flow

Flow length (ft)	= 980.00	0.00	0.00	
Watercourse slope (%)	= 0.30	0.00	0.00	
Surface description	= Unpaved	Paved	Paved	
Average velocity (ft/s)	= 0.88	0.00	0.00	
Travel Time (min)	= 18.48	+ 0.00	+ 0.00	= 18.48
Total Travel Time, Tc				48.60 min

Hyd. No. 2
Post Development

Description	A	B	C	Totals
Sheet Flow				
Manning's n-value	= 0.240	0.011	0.011	
Flow length (ft)	= 150.0	0.0	0.0	
Two-year 24-hr precip. (in)	= 4.18	0.00	0.00	
Land slope (%)	= 0.50	0.00	0.00	
Travel Time (min)	= 30.07	+ 0.00	+ 0.00	= 30.07

Shallow Concentrated Flow

Flow length (ft)	= 700.00	425.00	0.00	
Watercourse slope (%)	= 0.30	1.00	0.00	
Surface description	= Unpaved	Unpaved	Paved	
Average velocity (ft/s)	= 0.88	1.61	0.00	
Travel Time (min)	= 13.20	+ 4.39	+ 0.00	= 17.59
Total Travel Time, Tc				47.70 min

Detention Pond and Outfall Summary

Proposed pond contour area information was input into Hydrology Hydrographs Extension to determine the stage-storage characteristics of the designed detention pond. An 18-foot wide spillway set at 360.35 will be used as the outfall. The post development hydrograph was routed through the proposed pond and outfall. The results, as shown in the summary below, indicate that the peak discharge rate from the proposed pond for the 2, 10, 25, and 100-year rain events are below the allowable predevelopment discharge rates. The same proposed outfall will serve as an emergency outlet in the event of a storm in excess of the 100-year event.

Based on the detention pond's post development discharge rates being comparable or below predevelopment rates the proposed improvements will not produce an adverse impact to existing habitable structures nor significant adverse impact to properties upstream or downstream of the development.

After rain events County staff shall be required to pump out approximately 13' of water from the pond which will not outfall via gravity discharge. The concrete outfall structure will serve as an indicator as to when the detention volume has been pumped out. When the interior end of the concrete outfall structure is fully exposed, the pond has reached its normal static water level and has regained its full detention volume capacity.

Summary of Results

Storm Event (YR)	Summary of Results			
	2	10	25	100
Pre (cfs)	1.43	10.69	19.87	34.42
Post (cfs)	3.46	15.21	25.46	40.96
Pond Discharge (cfs)	-	5.79	17.71	34.41
Storage (cu-ft)	23,617	42,501	52,139	63,493
Pond WSE	360.03	360.60	360.87	361.16

Pond Report

Hydrology Hydrographs Extension for AutoCAD Civil 3D 2023 by Autodesk, Inc. v2023

Thursday, 05/15/2023

Pond No. 1 - Detention

Pond Data

Contours - User-defined contour areas. Average end area method used for volume calculation. Beginning Elevation = 359.25 ft

Stage / Storage Table	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	359.25	28,734	0	0
0.25	359.50	29,687	7,303	7,303
0.50	360.00	31,714	15,360	22,663
0.75	360.50	33,862	23,667	46,330
1.00	361.00	36,251	32,214	78,544
1.25	361.50	38,982	41,000	119,544
1.50	362.00	42,057	50,027	169,571
1.75	362.50	45,487	59,315	228,886
2.00	363.00	49,272	68,858	297,744

Culvert / Orifice Structures

Stage	[A]	[B]	[C]	[PrRr]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (ft)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	n/a	n/a
N-Value	= 0.03	0.03	0.03	n/a
Office Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	No	No	No

Weir Structures

Stage	[A]	[B]	[C]	[D]
Crest Len (ft)	= 18.00	0.00	0.00	0.00
Crest El. (ft)	= 360.35	0.00	0.00	0.00
Weir Coeff.	= 2.80	3.33	3.33	3.33
Weir Type	= Broad	No	No	No
Multi-Stage	= No	No	No	No
TW Elev. (ft)	= 0.000 (by Contour)			
	= 0.00			

Stage / Storage / Discharge Table

Stage	Storage	Discharge	Elevation	Civ A	Civ B	Civ C	PFR	W A	W B	W C	W D	Util	Enfr	Total
0.00	0.00	0.00	359.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.25	730	0.00	359.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	1,461	0.00	359.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.75	2,191	0.00	359.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00	2,921	0.00	359.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.25	3,651	0.00	359.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.50	4,382	0.00	359.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.75	5,112	0.00	359.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00	5,842	0.00	359.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.25	6,572	0.00	359.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.50	7,303	0.00	359.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.75	8,033	0.00	359.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.00	8,763	0.00	359.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.25	9,493	0.00	359.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.50	10,223	0.00	359.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.75	10,953	0.00	359.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	11,683	0.00	359.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.25	12,413	0.00	359.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.50	13,143	0.00	359.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.75	13,873	0.00	359.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	14,603	0.00	359.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.25	15,333	0.00	359.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.50	16,063	0.00	359.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.75	16,793	0.00	359.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.00	17,523	0.00	359.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.25	18,253	0.00	359.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.50	18,983	0.00	359.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.75	19,713	0.00	359.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.00	20,443	0.00	359.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.25	21,173	0.00	359.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.50	21,903	0.00	360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.75	22,633	0.00	360.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.00	23,363	0.00	360.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.25	24,093	0.00	360.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.50	24,823	0.00	360.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.75	25,553	0.00	360.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.00	26,283	0.00	360.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.25	27,013	0.00	360.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.50	27,743	0.00	360.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.75	28,473	0.00	360.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	29,203	0.00	360.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.25	29,933	0.00	360.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.50	30,663	0.00	360.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.75	31,393	0.00	360.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.00	32,123	0.00	360.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.25	32,853	0.00	360.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.50	33,583	0.00	360.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.75	34,313	0.00	360.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.00	35,043	0.00	360.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.25	35,773	0.00	360.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.50	36,503	0.00	360.50	0.00	0.00	0.00								

