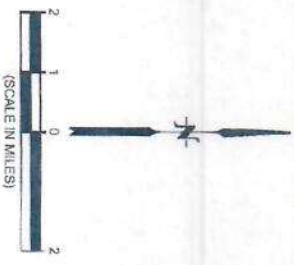
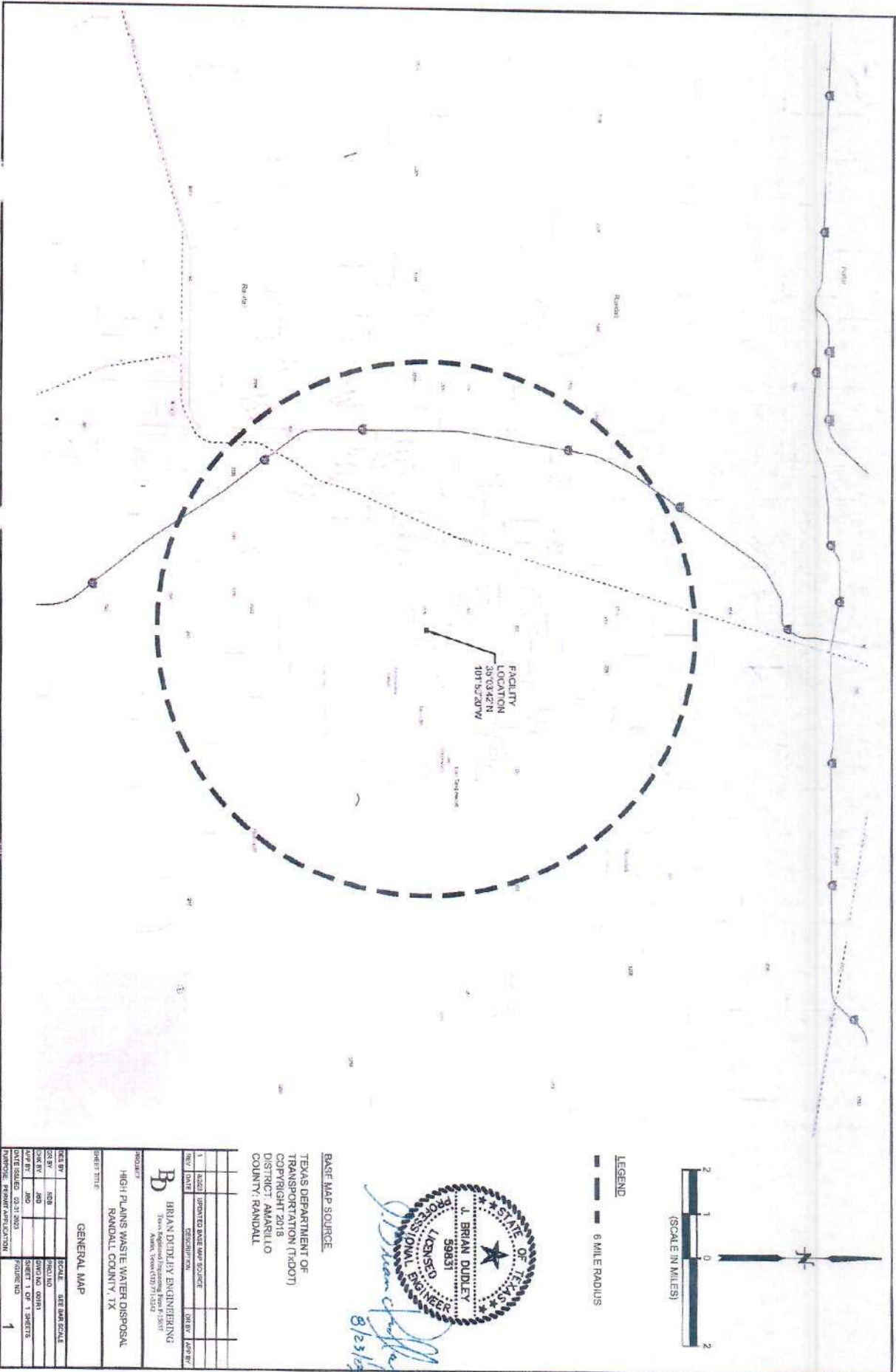


FIGURES



LEGEND
 --- 6 MILE RADIUS



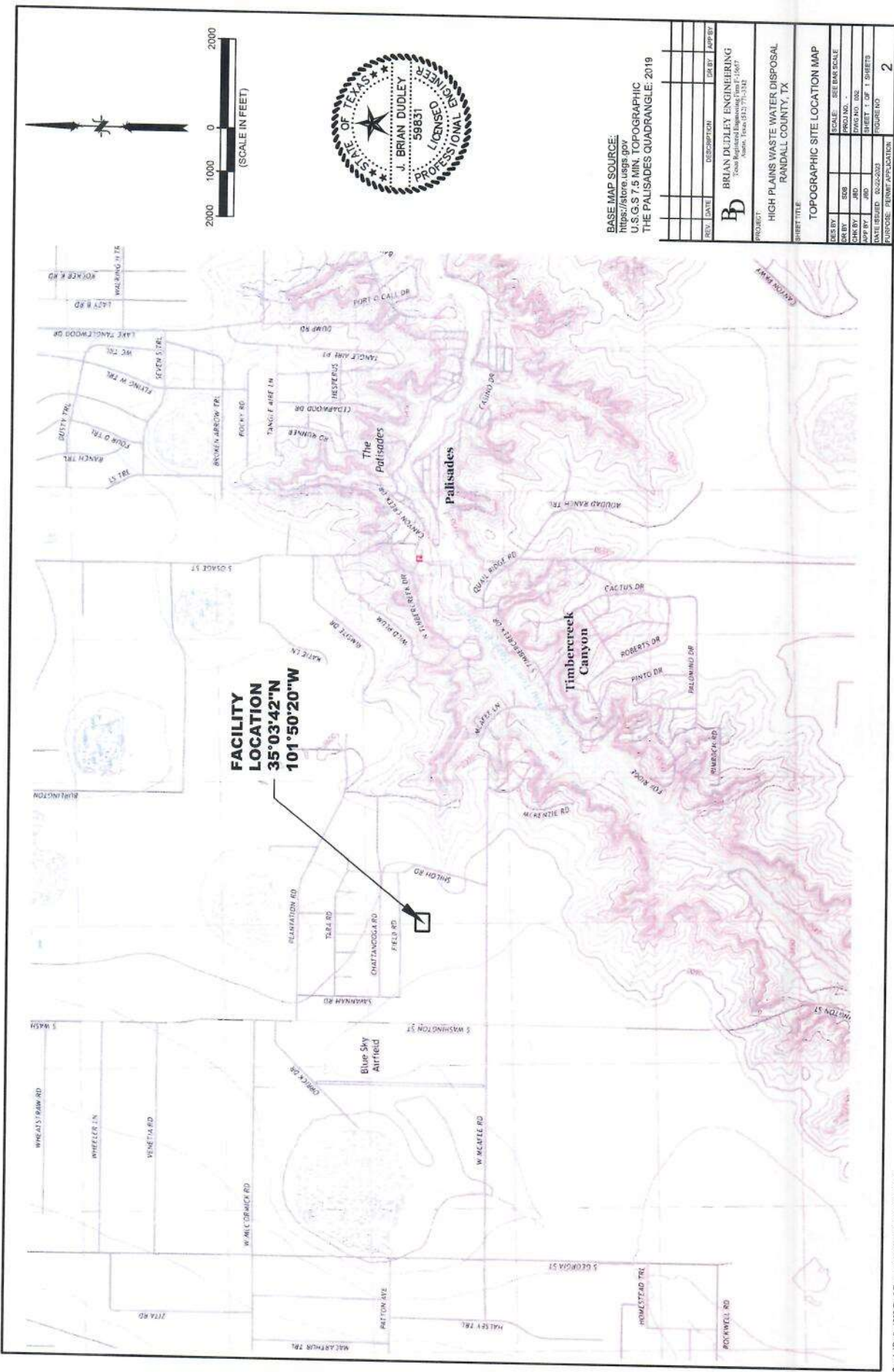
BASE MAP SOURCE
 TEXAS DEPARTMENT OF
 TRANSPORTATION (TxDOT)
 COPYRIGHT 2018
 DISTRICT AMARILLO
 COUNTY, RANDALL

DESIGNER
B BRIAN DUDLEY ENGINEERING
 1000 W. 15TH ST.
 AMARILLO, TEXAS 79102-2112

PROJECT
 HIGH PLAINS WASTE WATER DISPOSAL
 RANDALL COUNTY, TX

SHEET TITLE
 GENERAL MAP

DESIGNED BY	SCALE	SHEET NO.	TOTAL SHEETS
CHKD BY	DATE		
APP'D BY			
DATE ISSUED	PROJECT NO.	SHEET NO.	TOTAL SHEETS
08/21/09		1	1



BASE MAP SOURCE:
<https://store.usgs.gov>
 U.S.G.S 7.5 MIN. TOPOGRAPHIC
 THE PALISADES QUADRANGLE, 2019

REV.	DATE	DESCRIPTION	DR BY	APP BY

BD BRIAN DUDLEY ENGINEERING
Your Registered Engineering Firm # 16877
Address: 10001 F217100-04E

PROJECT: HIGH PLAINS WASTE WATER DISPOSAL
 RANDALL COUNTY, TX

SHEET TITLE: TOPOGRAPHIC SITE LOCATION MAP

DES BY	DES	SCALE	SEE NAME SCALE
CHK BY	APP BY	DATE	FIGURE NO

DATE REVISION: 02-02-2023
 PURPOSE: PERMIT APPLICATION
 SHEET 2 OF 1 SHEETS
 FIGURE NO: 2



LEGEND

- 1 MILE RADIUS
- 500 FT RADIUS
- WATER WELL
- AG AGRICULTURE
- C CHURCH
- COM COMMERCIAL
- R RESIDENTIAL



J. Brian Dudley
8/23/23

NOTE: THE OWNER'S HOUSE IMMEDIATELY NORTH OF THE SITE IS THE ONLY HABITABLE STRUCTURE WITHIN 500 FT.

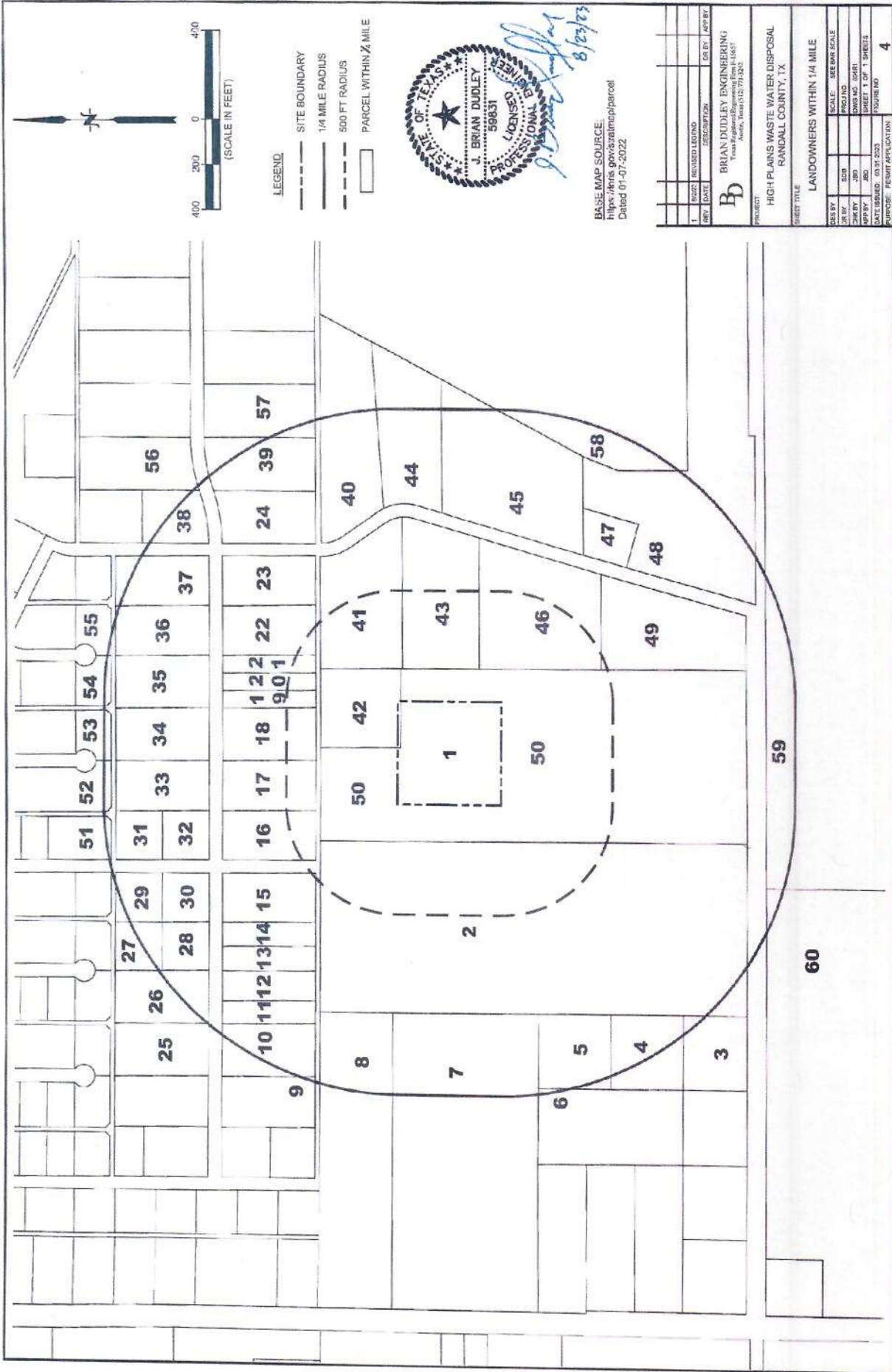
BASE MAP SOURCE:
<https://store.usgs.gov>
 U.S.G.S 7.5 MIN. TOPOGRAPHIC
 THE PALISADES QUADRANGLE, 2019

NO.	DATE	DESCRIPTION	DR BY	APP BY
1	8/23/23	ADDED NOTE AND TEXT		

Bd BRIAN DUDLEY ENGINEERING
 Texas Registered Professional Engineer E-14867
 Austin, Texas (610.71) 332

PROJECT:
 HIGH PLAINS WASTE WATER DISPOSAL
 RANDALL COUNTY, TX

USER BY	SCALE	SEE BM SCALE
DR BY		
APP BY		
DATE ISSUED	03/11/2023	
SHEET NO.	1 OF 1 SHEET	
FIGURE NO.		
PURPOSE: PERMIT APPLICATION		3



BASE MAP SOURCE:
<https://tris.gov/azrealmap/parcel>
 Dated 01-07-2022

8/23/23



REV	DATE	DESCRIPTION	DR BY	APP BY
1	8/23/23	REVISED LEGEND		

B BRIAN DUDLEY ENGINEERING
 1000 W. 10TH ST. SUITE 100
 AUSTIN, TEXAS 78701-7732

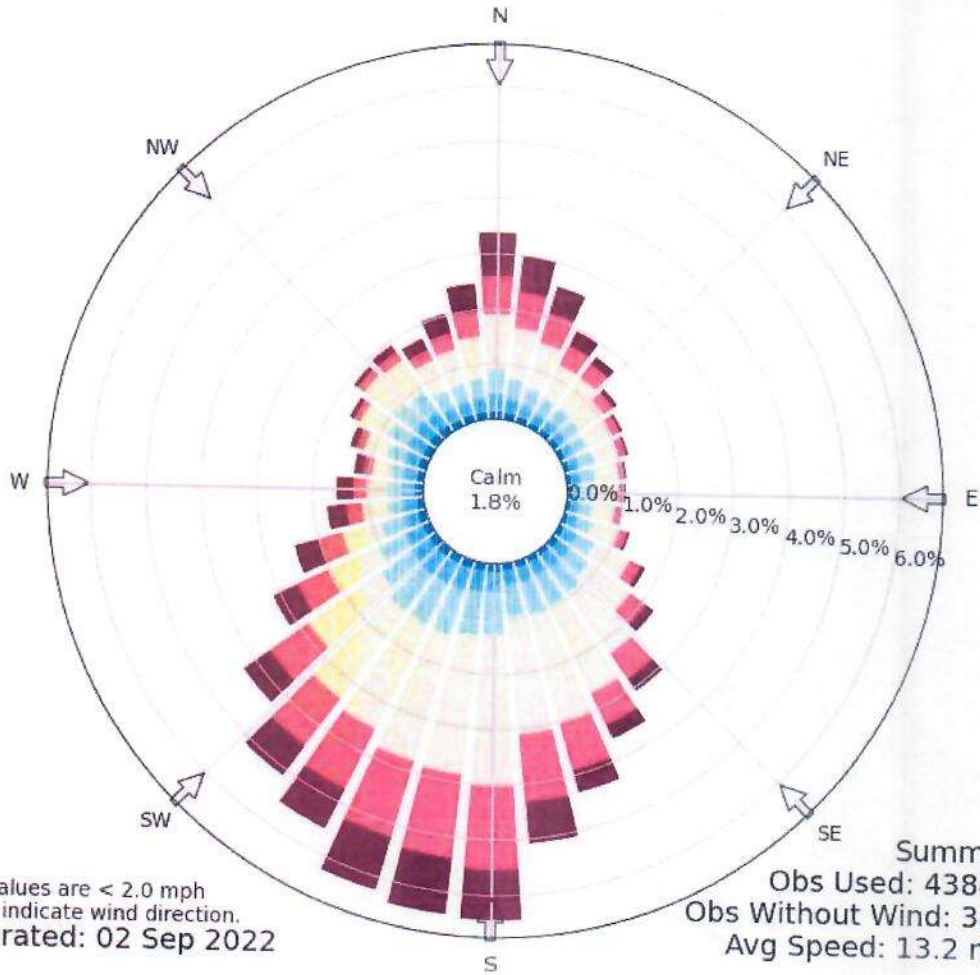
PROJECT: HIGH PLAINS WASTE WATER DISPOSAL
 RANDALL COUNTY, TX

SHEET TITLE: LANDOWNERS WITHIN 1/4 MILE

DES BY	DOB	PROJ NO	SCALE	SEE BME SCALE
DRY BY	JOB	DRAWING NO.		
APP BY	JOB	SHEET 1 OF 1 SHEETS		
DATE ISSUED	03/11/2023	POWER NO		
PURPOSE: PERMIT APPLICATION				4

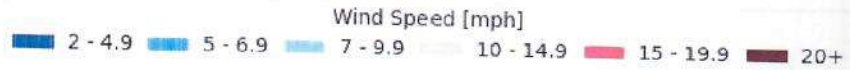


Windrose Plot for [AMA] AMARILLO ARPT(AWOS)
 Obs Between: 01 Jan 1970 03:00 AM - 01 Sep 2022 06:53 PM America/Chicago

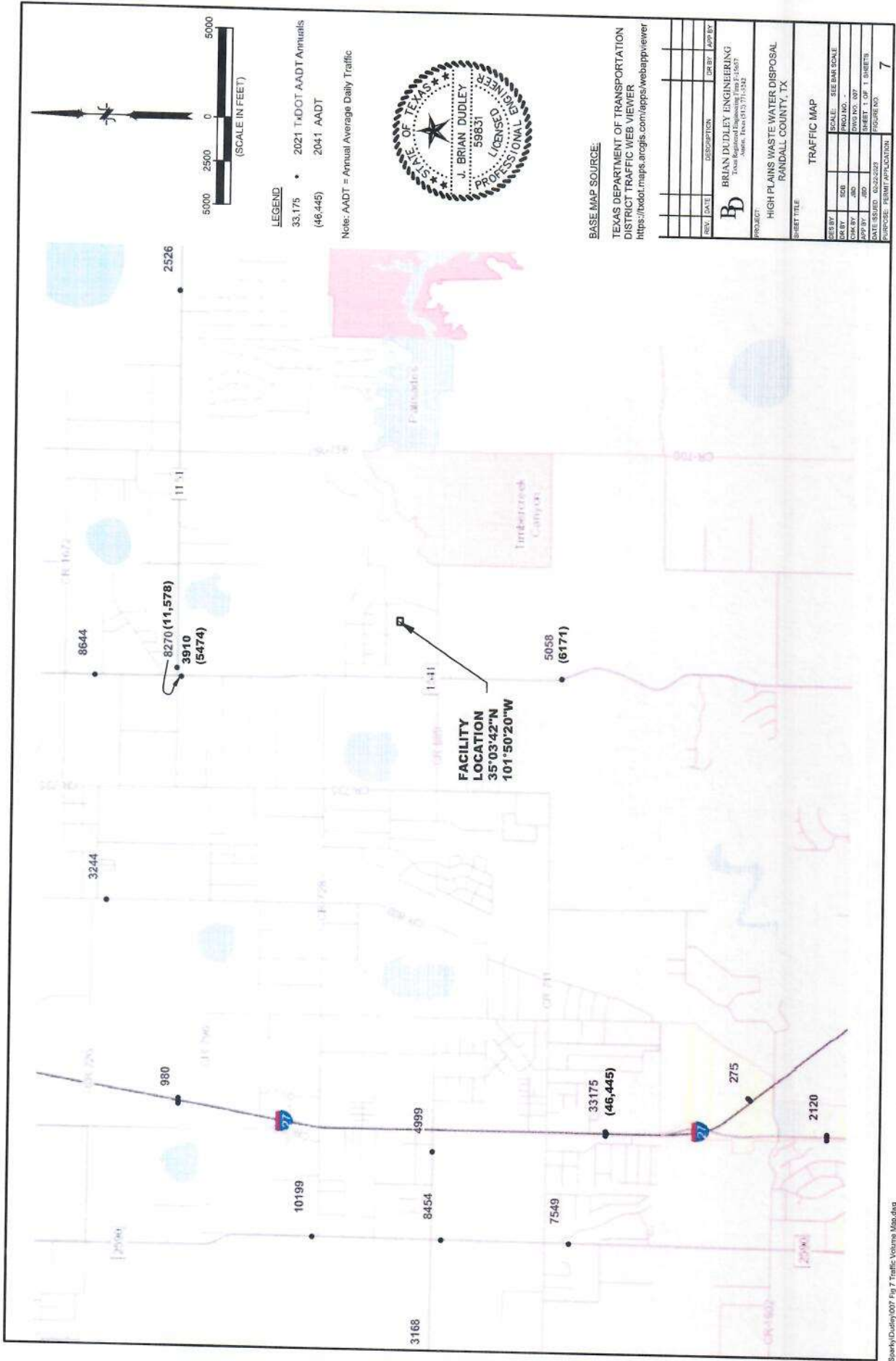


Calm values are < 2.0 mph
 Arrows indicate wind direction.
 Generated: 02 Sep 2022

Summary
 Obs Used: 438408
 Obs Without Wind: 3859
 Avg Speed: 13.2 mph



REV.	DATE	DESCRIPTION	DR BY	APP BY
BRIAN DUDLEY ENGINEERING Texas Registered Engineering Firm F-15657 Austin, Texas (512) 771-3242				
PROJECT: HIGH PLAINS WASTE WATER DISPOSAL RANDALL COUNTY, TX				
SHEET TITLE: WIND ROSE PLOT				
DES BY		SCALE:	SEE BAR SCALE	
DR BY	SDB	PROJ NO.	-	
CHK BY	JBD	DWG NO.	006	
APP BY	JBD	SHEET	1 OF 1 SHEETS	
DATE ISSUED: 02-22-2023		FIGURE NO.		
PURPOSE: PERMIT APPLICATION		6		



LEGEND

33,175 • 2021 TxDOT AADT Annuals
(46,445) • 2041 AADT

Note: AADT = Annual Average Daily Traffic

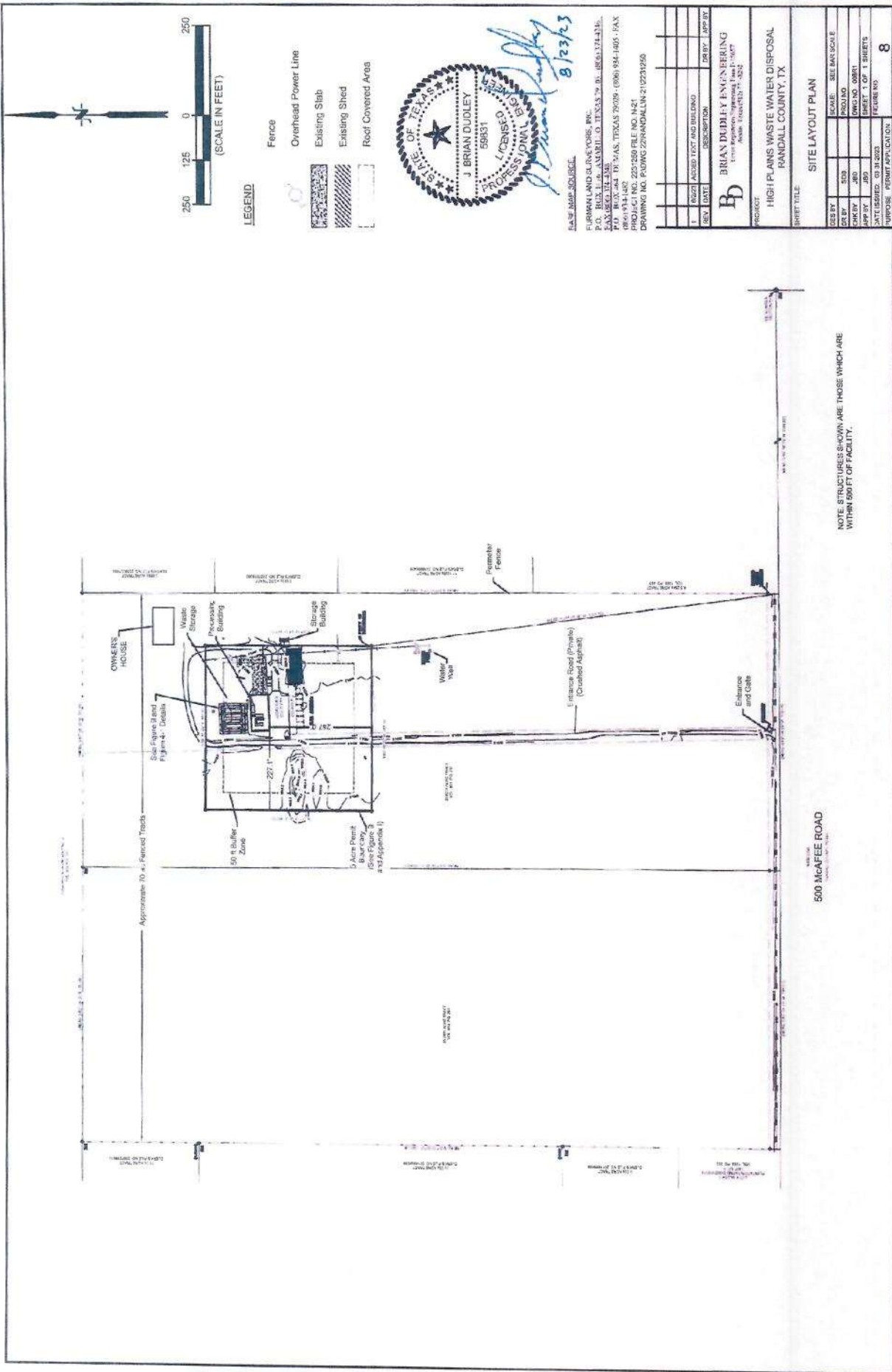


BASE MAP SOURCE:

TEXAS DEPARTMENT OF TRANSPORTATION
DISTRICT TRAFFIC WEB VIEWER
<https://tdot.maps.arcgis.com/apps/webappviewer>

REV.	DATE	DESCRIPTION	DR BY	APP BY

BD		BRIAN DUDLEY ENGINEERING	
Texas Registered Engineering Firm # 14687		Austin, Texas 78721-9154	
PROJECT: HIGH PLAINS WASTE WATER DISPOSAL RANDALL COUNTY, TX			
SHEET TITLE: TRAFFIC MAP			
DESIGN BY:	SCALE: SEE BASE SCALE	PROJECT NO.:	
CHK'D BY:		DWG NO.:	007
APP'D BY:		SHEET 1 OF 1 SHEETS	
DATE ISSUED: 02-22-2023		FIGURE NO.:	7
PURPOSE: PERMIT APPLICATION			



NOTE: STRUCTURES SHOWN ARE THOSE WHICH ARE WITHIN 500 FT OF FACILITY.

500 McAFEE ROAD

SHEET TITLE
SITE LAYOUT PLAN

DES BY	SCALE	SEE MAT SCALE
DRAWN BY	PROJ NO	
CHECKED BY	DRAWING NO	
DATE	SHEET NO	OF 1 SHEETS
PROJECT NO	DATE	
DATE	PROJECT NO	

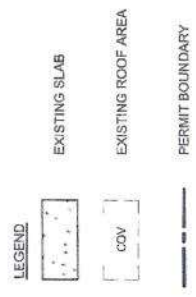
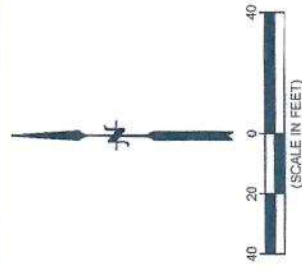
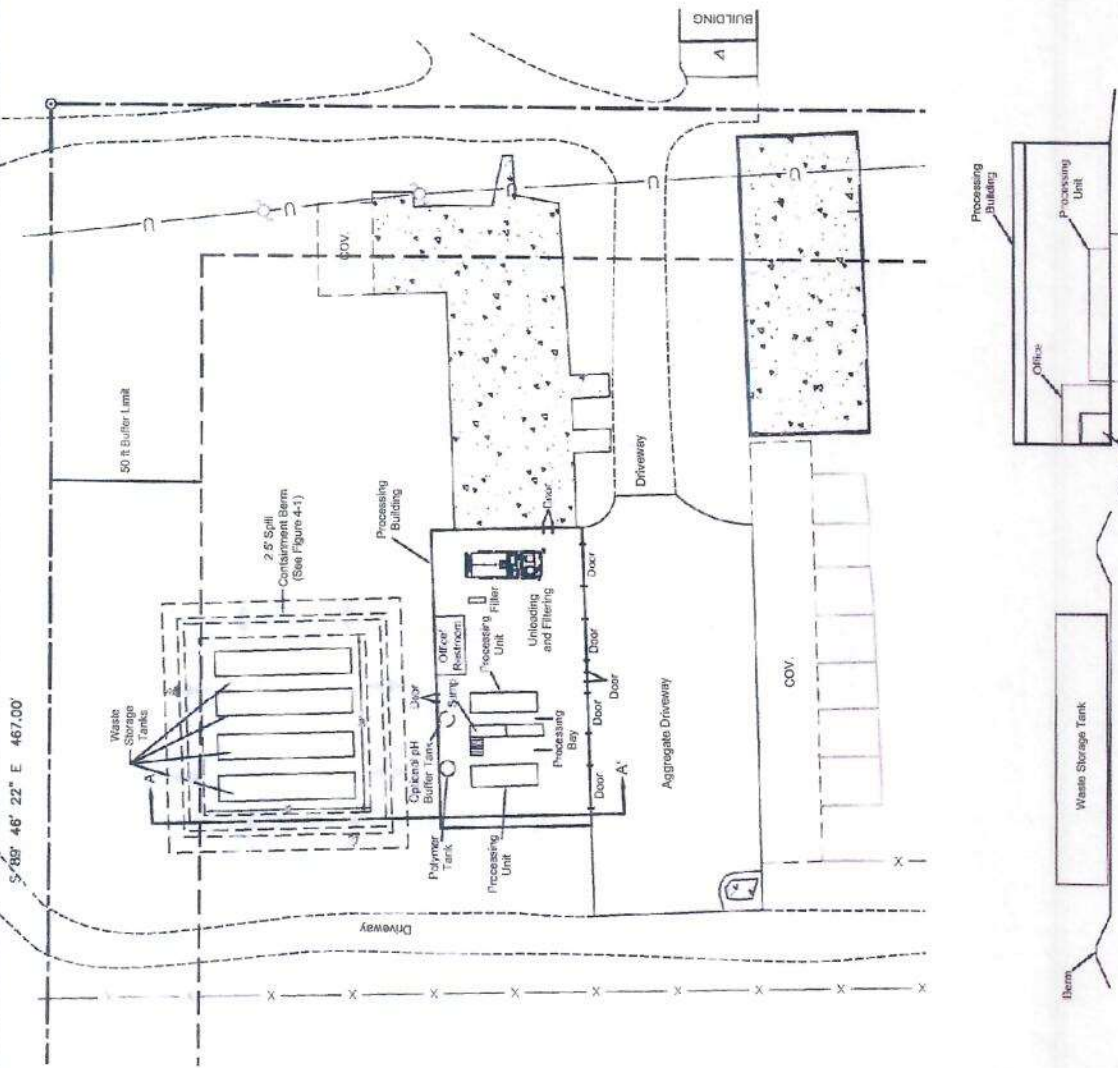
PROJECT
HIGH PLAINS WASTE WATER DISPOSAL
RANDALL COUNTY, TX

BRIAN DUDLEY ENGINEERING
10000 Highway 100, Suite 100
Arling, Texas 76010-3824

NO.	REVISION	DATE	DESCRIPTION	BY	APP'D BY

RAW WATER SOURCE
FURMAN LAND SURVEYORS, INC.
P.O. BOX 110, AMARILLO, TEXAS 79101 (806) 437-1716
AMARILLO, TEXAS 79101
PHONE: (806) 437-1716 FAX: (806) 437-1716
PROJECT NO: 223150 FILE NO: N41
DRAWING NO: PDWG 223150-01





BASE DATA SOURCE:
 FURMAN AND SURYOVICH, INC.
 P.O. BOX 415, AMARILLO, TEXAS 79105 - 886-1744-226;
 FAX: 806-424-2428
 700 BOX 304, TRUMAN, TEXAS 79089 - (806) 994-1400 FAX
 PROJECT NO. 223280 FILE NO. 4621
 DRAWING NO. P20WG 220ANDALIN-210231550

REV.	DATE	DESCRIPTION	DR BY	APP BY
1	8/22/23	ADD 50 FT BUFFER LIMIT		

B BRIAN DUDLEY ENGINEERING
 1000 W. 17th St., Suite 100
 Amarillo, Texas 79107-1502

PROJECT:
 HIGH PLAINS WASTE WATER DISPOSAL
 RANDALL COUNTY, TX

SHEET TITLE:
 LAYOUT DETAIL

DESIGNED BY	SCALE	SEE BAR SCALE
DRAWN BY	DATE	
CHECKED BY	PROJECT NO.	
DATE PLOTTED: 08/23/2023	DWG NO. 0081	
PURPOSE: PERMIT APPLICATION	SHEET 1 OF 1 SHEETS	
	FIGURE NO.	9

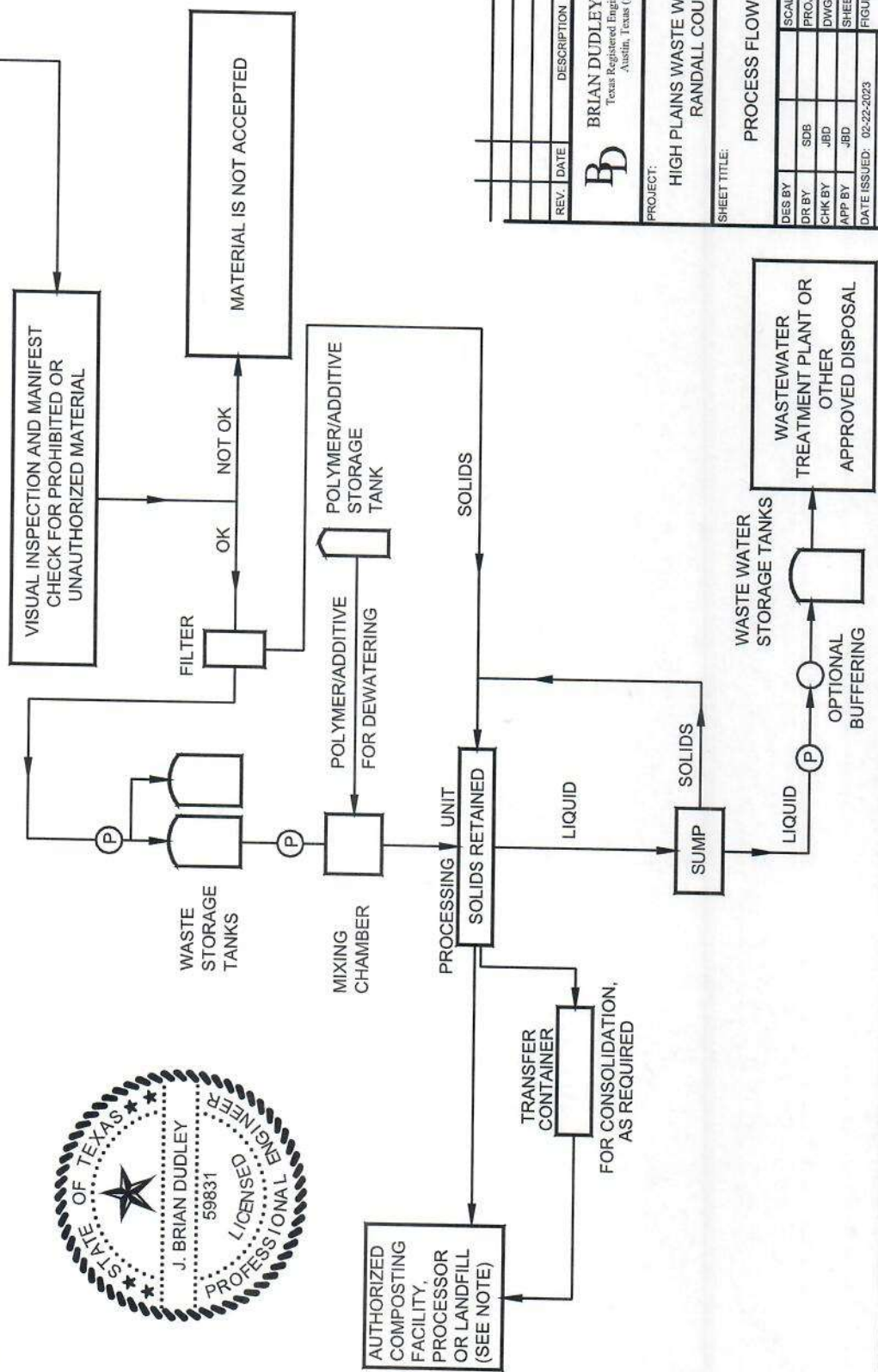
Cross Section A-A'
 Scale: 1" = 20'

NOTE: IF SOLIDS WILL BE COMPOSTED, GRIT TRAP WASTE WILL EITHER BE HANDLED SEPARATELY FROM OTHER WASTES, OR IT WILL BE TRACKED THROUGH THE PROCESS SO THAT ANY MATERIAL RECOVERED CONTAINING ANY GRIT TRAP SOLIDS OR LIQUIDS WILL NOT BE TRANSPORTED TO A COMPOST FACILITY.



(P) DENOTES PUMP

LIQUID WASTE DELIVERY BY TRUCK



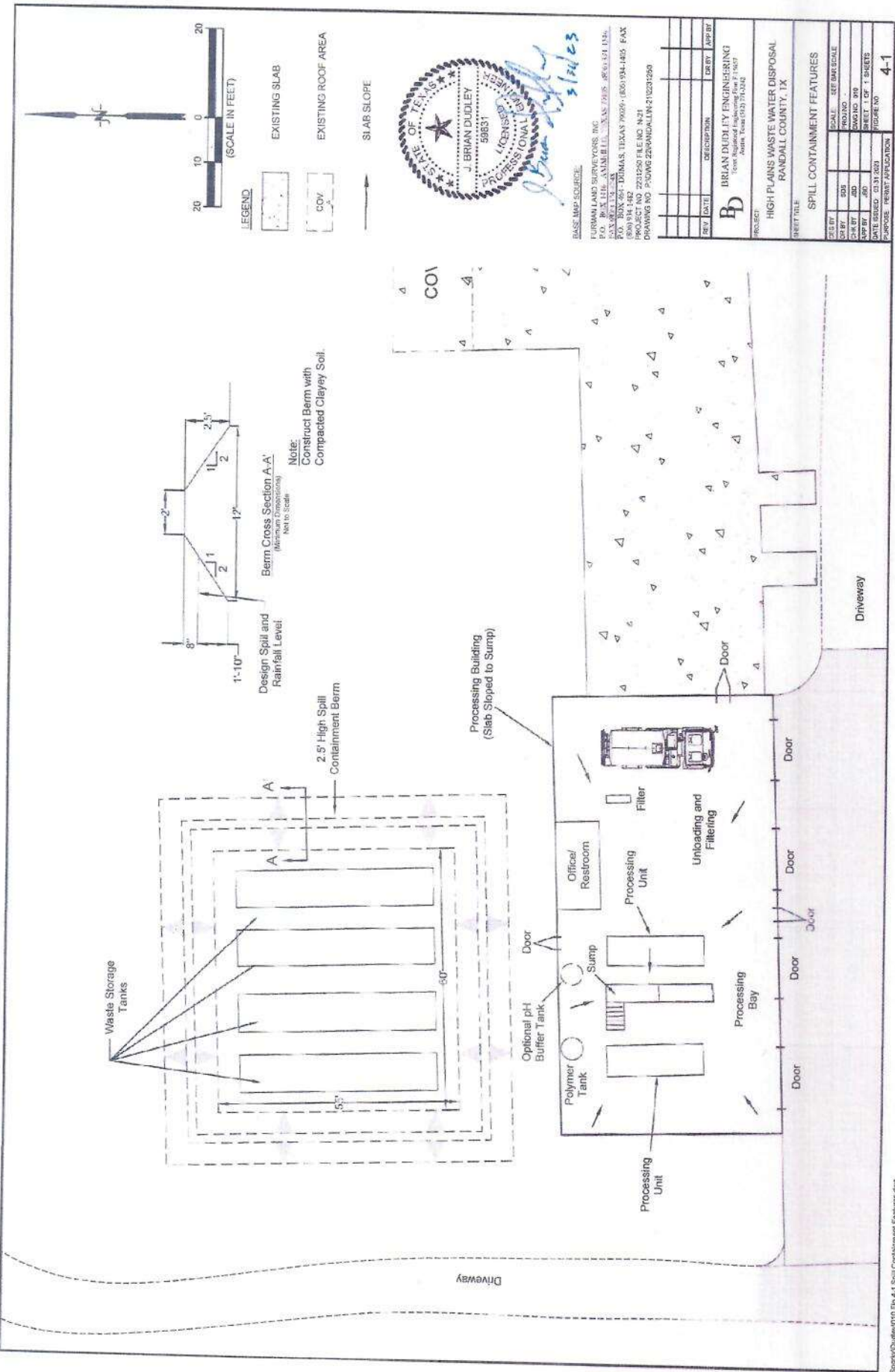
REV.	DATE	DESCRIPTION	DR BY	APP BY

BD
BRIAN DUDLEY ENGINEERING
 Texas Registered Engineering Firm F-15657
 Austin, Texas (512) 771-5242

PROJECT: HIGH PLAINS WASTE WATER DISPOSAL
 RANDALL COUNTY, TX

SHEET TITLE: PROCESS FLOW DIAGRAM

DES BY	SDB	SCALE:	SEE BAR SCALE
DR BY	JBD	PROJ NO.	
CHK BY	JBD	DWG NO.	011
APP BY	JBD	SHEET	1 OF 1 SHEETS
DATE ISSUED:	02-22-2023	FIGURE NO.	10
PURPOSE: PERMIT APPLICATION			



BASE MAP SOURCE:
 FURMAN LAND SURVEYORS, INC.
 P.O. BOX 118, AUSTIN, TEXAS 78768-0118
 P.O. BOX 604, DALLAS, TEXAS 75269-0604
 (800) 994-1482
 PROJECT NO. 231250 FILE NO. N-21
 DRAWING NO. 231250-01-01-01-01-01

REV.	DATE	DESCRIPTION	DR BY	APP BY

BRIAN DUDLEY ENGINEERING
 Civil Engineer License No. 111617
 1404 West 85th Street
 Dallas, Texas 75241

PROJECT: HIGH PLAINS WASTE WATER DISPOSAL
 RANDALL COUNTY, TX

SHEET TITLE: SPILL CONTAINMENT FEATURES

DATE	SCALE	SEE BAR SCALE

DATE	SCALE	SEE BAR SCALE

DATE PLOTTED: 03/31/2010
 SHEET 1 OF 1 SHEETS
 FIGURE NO. 4-1