

- 10-Mile Buffer
- Bald Eagle
- Correll's False Dragonhead
- Loblolly Pine-white Oak-southern Red Oak Forest
- Red-cockaded Woodpecker
- Sandbank Pocketbook - See 1
- Sabine Shiner - See 2
- Chub Shiner - See 3
- Western Creek Chubsucker - See 4

Proposed Detention Pond  
Detention Pond 9 (12.28 Acres)

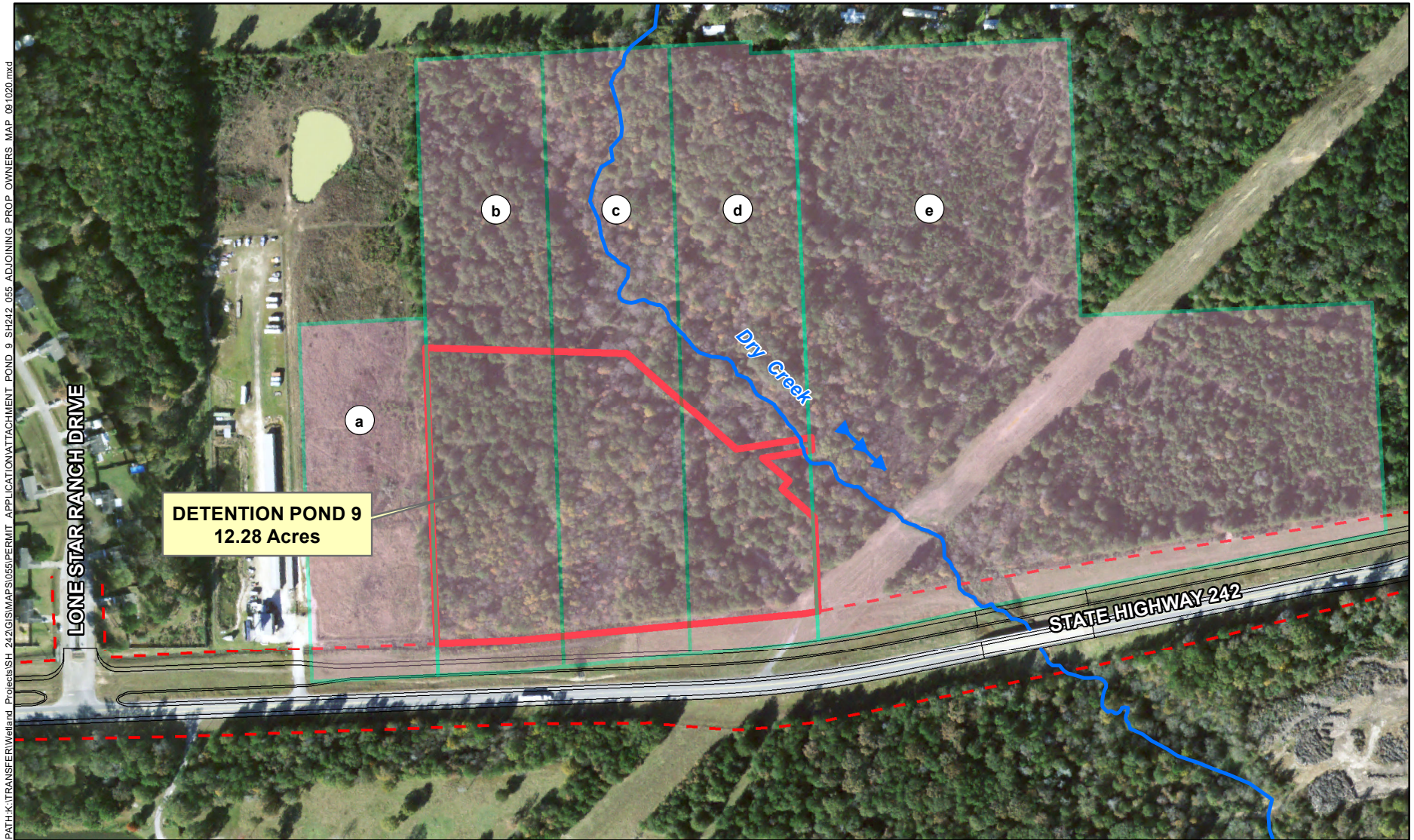


0 2.5 5 7.5 10 Miles

## TPWD NATURAL DIVERSITY DATABASE MAP

CSJ: 3538-01-055  
Montgomery County, Texas





SOURCES: United States Department of Agriculture (USDA). Texas NAIP Imagery, 2018-12-31. Web. 2020-01-16.

- Proposed Roadway
- - - Roadway Right of Way
- ▭ Proposed Detention Pond
- ▭ Property Parcels

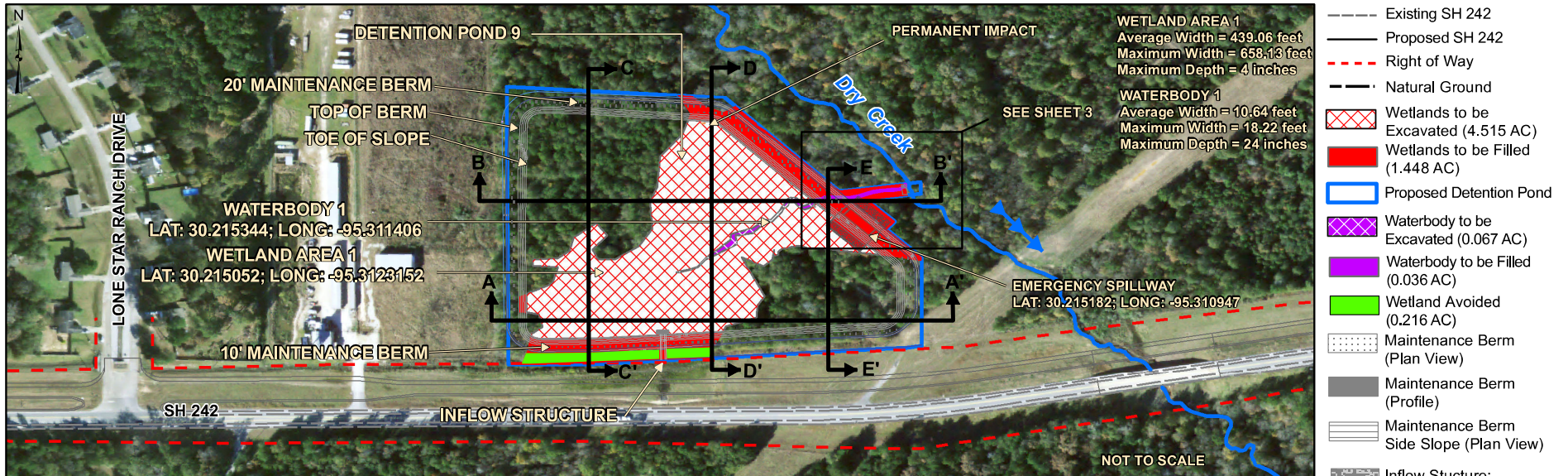
Parcel Id	Owner Name
a	JENNEY C & VUONG VAN HA
b	BRANDON ZERMENO
c	KY VAN & NHIEM THI VU
d	YEN HONG LIAW & RYAN CAO
e	DUANE VICKERY & CARLYN A JOHNSON



## ATTACHMENT A ADJOINING PROPERTY OWNERS

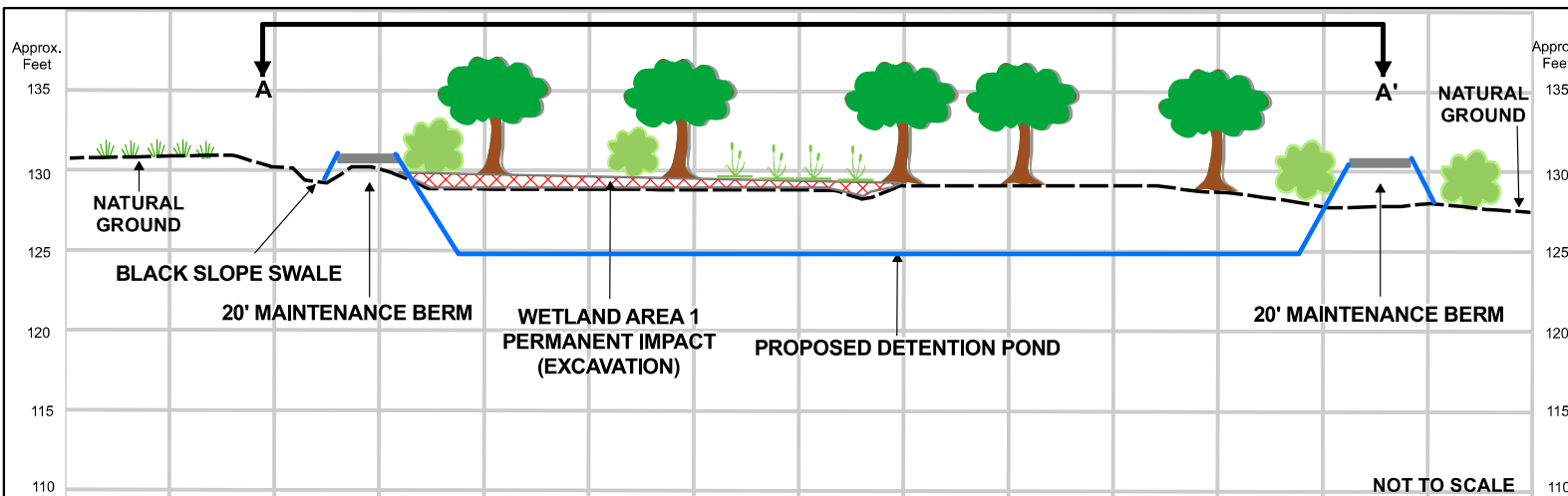
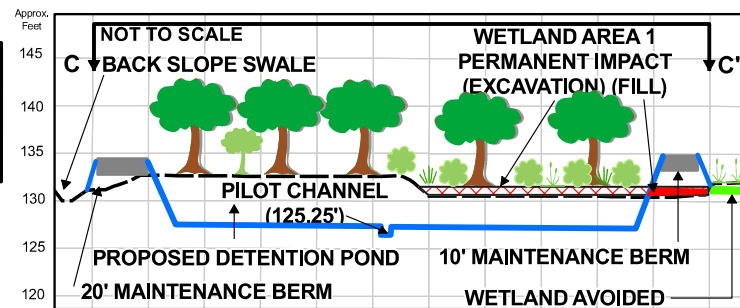
**CSJ: 3538-01-055**  
**Montgomery County, Texas**





AREA	ACREAGE	PERMANENT IMPACT	TEMPORARY IMPACT
WETLAND AREA 1	6.179 AC	5.963 AC NOTE 1	0.0000 AC
WATERBODY 1	0.103 AC	0.103 AC NOTE 1	0.0000 AC

**NOTE 1**  
Fill and Excavation to Construct a Storm Water Detention Pond.

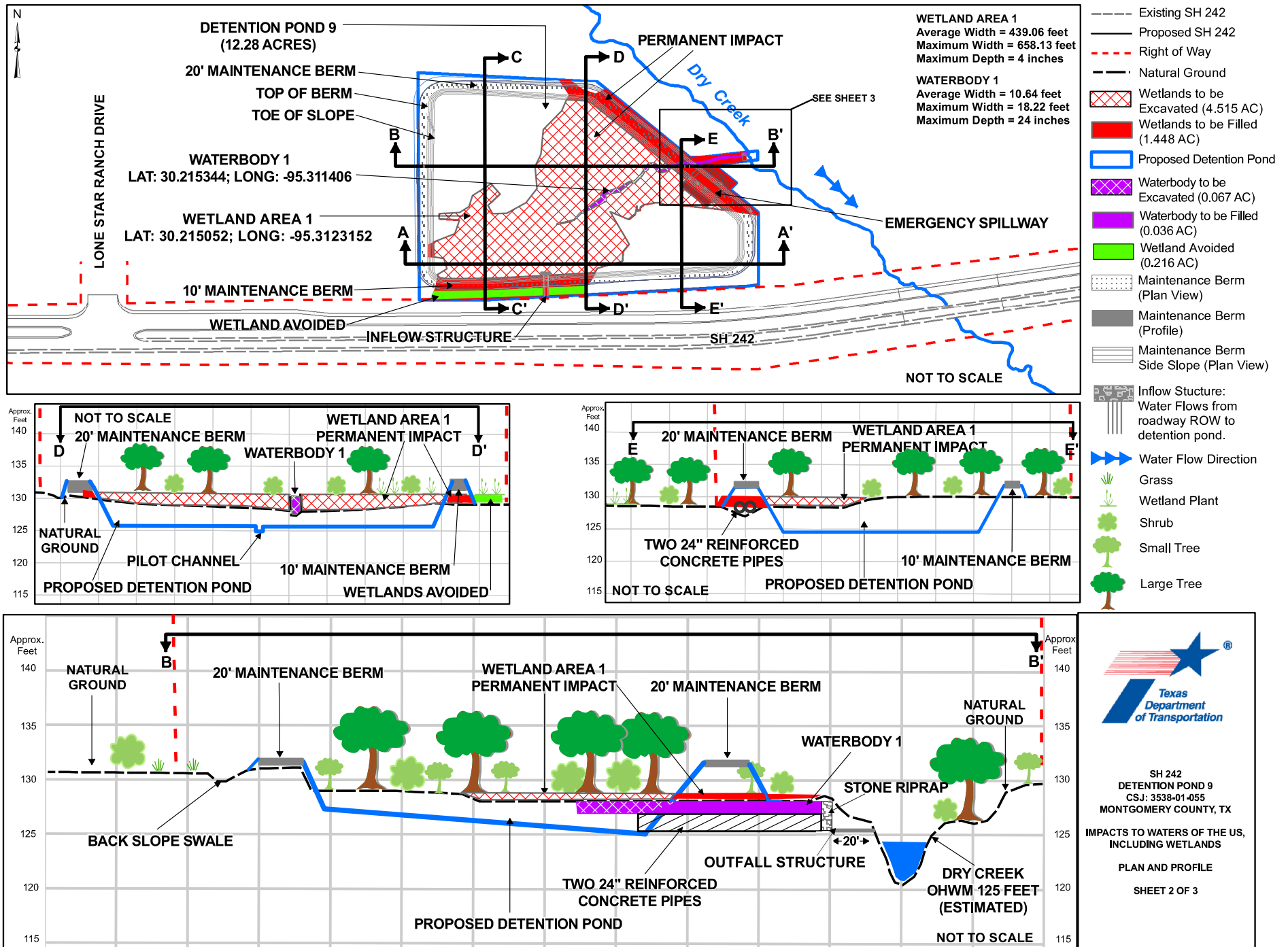


SH 242  
DETENTION POND 9  
CSJ: 3538-01-055  
MONTGOMERY COUNTY, TX

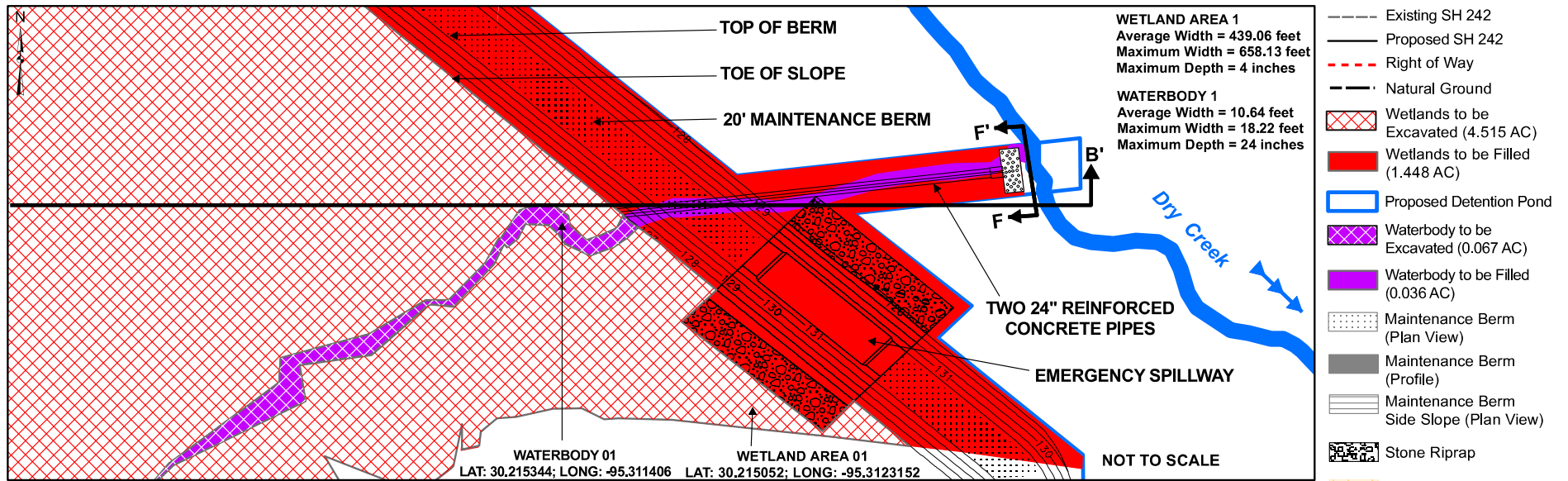
**IMPACTS TO WATERS OF THE US,  
INCLUDING WETLANDS**

**PLAN AND PROFILE**

**SHEET 1 OF 3**

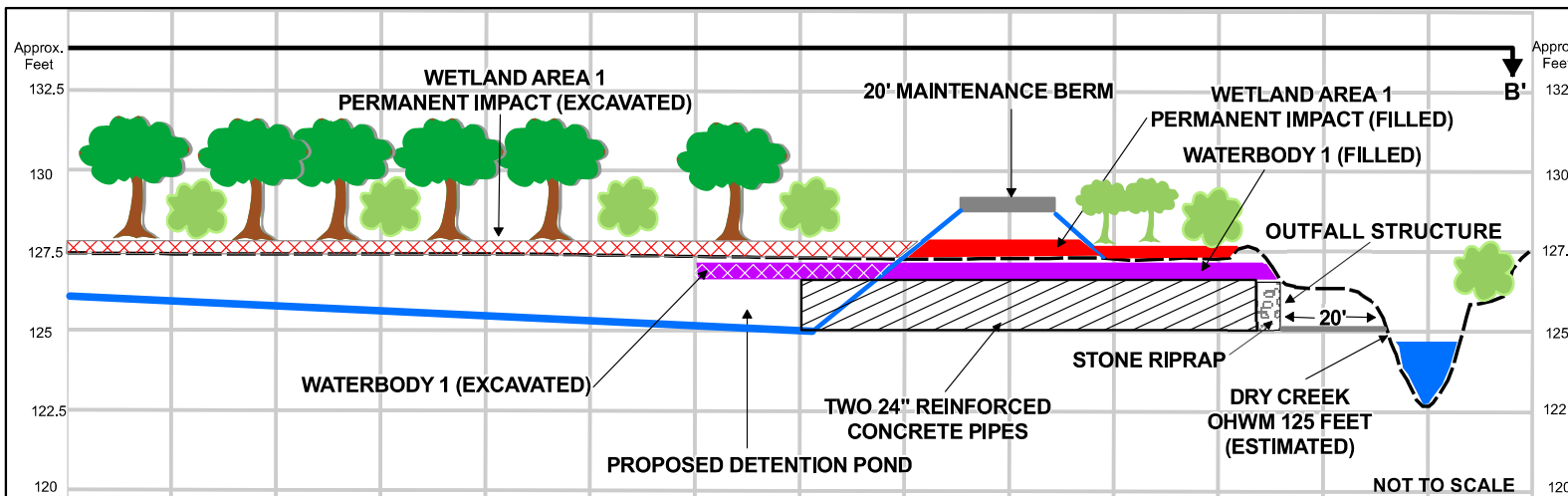
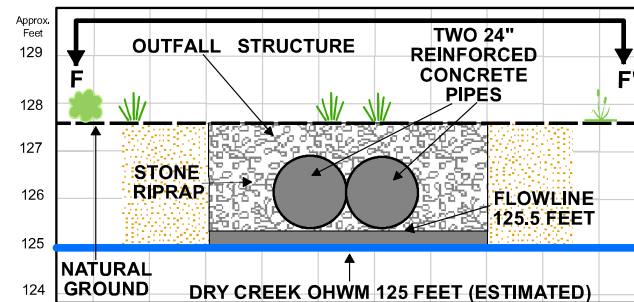






AREA	ACREAGE	PERMANENT IMPACT	TEMPORARY IMPACT
WETLAND AREA 1	6.179 AC	5.963 AC NOTE 1	0.0000 AC
WATERBODY 1	0.103 AC	0.103 AC NOTE 1	0.0000 AC

**NOTE 1**  
Fill and Excavation to Construct a Storm Water Detention Pond.

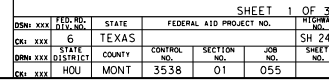


SH 242  
DETENTION POND 9  
CSJ: 3538-01-055  
MONTGOMERY COUNTY, TX

**IMPACTS TO WATERS OF THE US,  
INCLUDING WETLANDS**

**PLAN AND PROFILE**


**SHEET 3 OF 3**





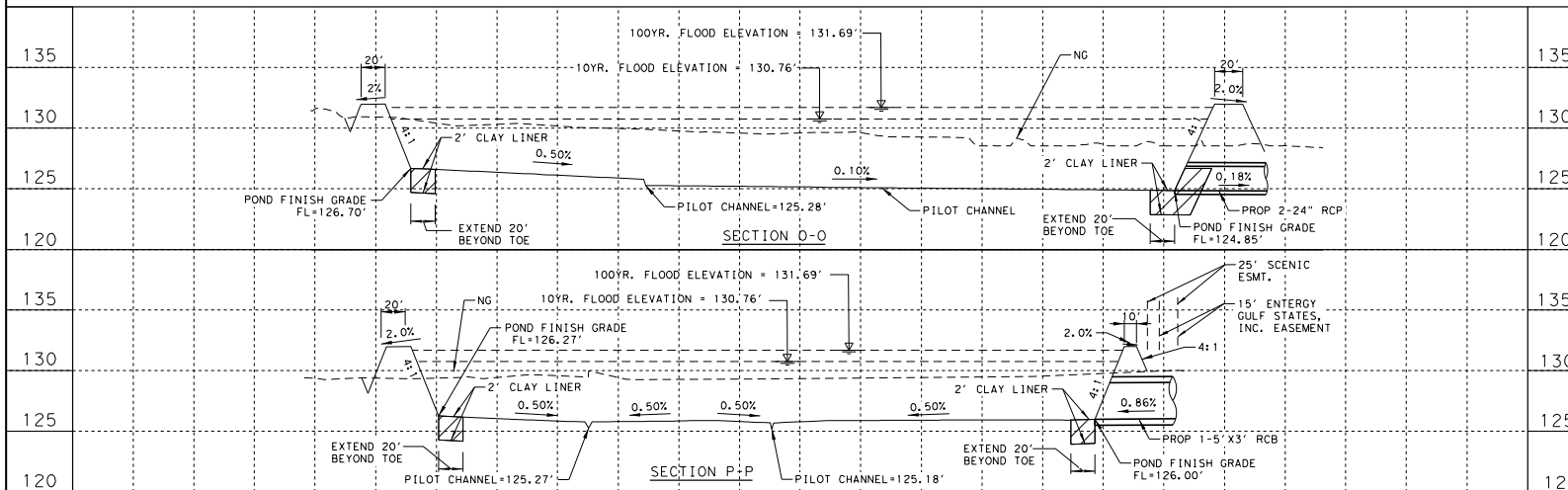
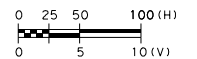
Stage Area Pond 9		
Elevation (ft)	Area (ac)	Cumulative Volume (ac-ft)
124.85	0.00	0.00
125.00	0.00	0.00
125.20	0.02	0.00
125.40	0.20	0.03
125.60	0.86	0.13
125.80	2.54	0.47
126.00	4.77	1.20
127.00	8.41	8.76
128.00	8.64	17.28
129.00	8.87	26.04
130.00	9.10	35.02
131.00	9.34	44.24
132.00	9.58	53.70

POND 9 DETENTION SUMMARY	
DRAINAGE SYSTEM ID SERVED	SYSTEM-5
CONTRIBUTING ROADWAY	from Sta 650+85 to 770+00
RECEIVING CHANNEL	DRY CREEK
	100-YR
MAX SYSTEM Q (ALLOWED) (CFS)	292.70
MAX SYSTEM Q (OUT) (CFS)	290.70
MAX WSEL (FT)	131.69
BASIN VOLUME AVAILABLE (AC-FT)	50.75
ROUTED VOLUME (AC-FT)	44.13
ROUTED FLOW (CFS)	151.43
BASIN INLET CULVERTS	1-5'X 3' RCB
BASIN OUTLET CULVERTS	2- 24" RCP

LEGEND  
 LIMITS OF CLAY LINER

NOTES:

1. SEE ROADWAY DRAINAGE PLAN AND PROFILE & DETAIL SHEETS FOR DETAILS OF ROADWAY DRAINAGE COMPONENTS.
2. DETAILS OF HYDRAULIC COMPUTATIONS CAN BE OBTAINED FROM THE DRAINAGE REPORT APPROVED BY TXDOT IN 2020.
3. FOR ADDITIONAL DETAIL ON PILOT CHANNEL SEE PCNH PILOT CHANNEL DETAILS.



 Texas Department of Transportation

**DANNENBAUM**  
 ENGINEERING CORPORATION  
 T.B.P.E. FIRM REGISTRATION #392  
 1108 WEST ALABAMA AVENUE, SUITE 1100, HOUSTON, TEXAS 77006

SH 242

**DETENTION  
 POND 9**

SHEET 2 OF 3	
DSN: xxx	FED. NO.
CR: xxx	STATE
DSN: xxx	TEXAS
CR: xxx	COUNTY
DSN: xxx	MONT
CR: xxx	CONTROL
DSN: xxx	SECTION
CR: xxx	JOB
DSN: xxx	SHEET
CR: xxx	NO.

**Section 404/10 Impacts Table**  
**Version 3, July 2021**  
**State Highway 242, Detention Pond 9**  
**CSJ: 3538-01-055**  
**USACE Permit No. Not Yet Assigned**  
**August 25, 2021**

Waterbody or Wetland Characteristics							Potentially Jurisdictional?		Total Section 404 Impacts for WATERBODY OR WETLAND					
Crossing Number	Waterbody or Wetland Number	Name	Type	Latitude, Longitude	Acres Within Project Area (All Waterbodies and Wetlands)	Linear Feet/Acres Within Project Area (streams only)	Section 404 (waters of the U.S.)	Section 10 (navigable waters)	Temporary			Permanent		
									Temporary Waterbody or Wetland Impacts (acres)	Temporary Stream Impacts (linear feet/acres)	Cubic Yards (CY) of Fill Material to be Temporarily Discharged	Permanent Waterbody or Wetland Impacts (acres)	Permanent Stream Impacts (linear feet/acres)	Cubic Yards (CY) of Fill Material to be Permanently Discharged
1	1	Wetland Area 1	Palustrine Forested	30.2154, -95.3118	6.179	N/A	Yes	No	-	-	-	5.963	-	780
1	2	Waterbody 1	Intermittent Stream	30.2153, -95.3115	0.103	617	Yes	No	-	-	-	0.103	617	61

Waterbody or Wetland Characteristics					Total Section 404 Impacts for CROSSING						Authorization			
Crossing Number	Name	Type	Acres Within Project Area (All Waterbodies and Wetlands)	Linear Feet Within Project Area (streams only)	Temporary		Cubic Yards (CY) of Fill Material to be Temporarily Discharged	Permanent		Cubic Yards (CY) of Fill Material to be Permanently Discharged	Authorization Type	Number (NWP and RGP only)	Reason (PCN only)	Mitigation Required?
					Temporary Waterbody or Wetland Impacts (acres)	Temporary Stream Impacts (linear feet/acres)		Permanent waterbody or wetland impacts (acres)	Permanent Stream Impacts (linear feet/acres)					
1	Wetland Area 1	Palustrine Forested	6.179	-	-	N/A	-	5.963	-	780	IP	N/A	N/A	Yes
1	Waterbody 1	Intermittent Stream	0.103	617	-	0	-	0.103	617	61	IP	N/A	N/A	Yes

Impacts to both Wetland Area 1 and Waterbody 1 would result from the construction of a new storm water management facility (e.g., Detention Pond 9). Impacts to Wetland Area 1 would involve excavation (4.515 acres) and fill (1.448 acres, approximately 780 cubic yards); impacts to Waterbody 1 would also involve excavation (0.067 acre) and fill (0.036 acre, approximately 61 cubic yards). Detention Pond 9 is designed to support the adjacent State Highway 242 roadway improvement project (USACE Permit No. SWG-1992-00054, dated December 8, 2020) by managing storm water which collects within the State Highway 242 roadway right-of-way during and following rainfall and storm events.

Detention Pond 9 is located on three (3) adjacent parcels of land of equal size. The eastern parcel of land was not accessible as right-of-entry for environmental investigations was not granted by the property owner. Wetland Area 1 and Waterbody 1 were therefore not fully accessible in the field. The acreages and linear feet of the wetland and waterbody features associated with the inaccessible areas of the Detention Pond 9 project area were estimated using aerial photography, LIDAR data, etc., as well as data from field investigations and wetland delineation sample points that were collected within accessible areas of the project area. A total of 5.064 acres of Wetland Area 1 were delineated in the field while a total of 1.115 acres of Wetland Area 1 are estimated to occur within the inaccessible parcel of the Detention Pond 9 project area. A total of 0.043 acre (312 linear feet) of Waterbody 1 were delineated in the field while a total of 0.060 acre (305 linear feet) of Waterbody 1 are estimated to occur within the inaccessible parcel of the Detention Pond 9 project area.