

USACE Application for Department of the Army Permit SH 332, Brazoria County Supplemental Information

**Water Resources Impact** 

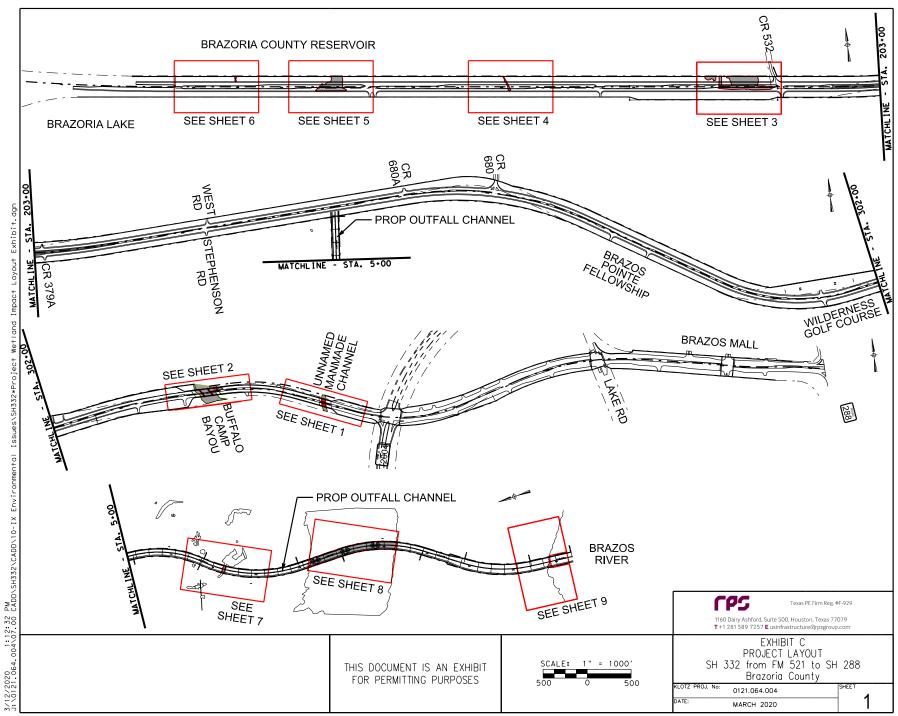
	Aquatic Resource (Wetlands)		Permanent Impact		Temporary Impact				Туре
No. of Crossing	Include Water/Wetland Tag (Official water name)	Type of Jurisdictional Activity	Amount	Open water/wetland	Amount	Open water/wetland	Latitude	Longitude	of Permit
2	W-1 - Palustrine Forested Wetland (associated with S-2 – Buffalo Camp Bayou)	Fill to accommodate roadway widening		0.020 acre		NA	29.04941	-95.47708	IP
3	S-31 – Manmade channel (IS <sup>2</sup> ) that extends from the Brazoria Reservoir just north of SH 332 to the SH 332 roadside ditches. At time is also considered a Palustrine Emergent Wetland within the 100-year floodplain of the Brazos River, a TNW <sup>3</sup> .	Fill to accommodate roadway widening		0.062 acre		NA	29.05439	-95.51836	IP
3	W-2 - Palustrine Forested Wetland within the 100-year floodplain of the Brazos River.	Fill to accommodate roadway widening		0.099 acre		NA	29.05472	-95.51861	IP
3	W-3 - Palustrine Emergent Wetland within the 100-year floodplain of the Brazos River.	Fill to accommodate roadway widening		0.508 acre		NA	29.05432	-95.51798	IP
3	W-4 - Palustrine Forested Wetland within the 100-year floodplain of the Brazos River.	Fill to accommodate roadway widening		0.758 acre		NA	29.05460	-95.51791	IP
4	W-5 - Palustrine Forested Wetland within the 100-year floodplain of the Brazos River.	Fill to accommodate roadway widening		0.021 acre		NA	29.05556	-95.52588	IP
4	W-6 - Palustrine Emergent Wetland within the 100-year floodplain of the Brazos River.	Fill to accommodate roadway widening		0.019 acre		NA	29.05533	-95.52578	IP
5	W-7 - Palustrine Forested Wetland within the 100-year floodplain of the Brazos River.	Fill to accommodate roadway widening		0.460 acre		NA	29.05613	-95.53159	IP
5	W-8 - Palustrine Emergent Wetland within the 100-year floodplain of the Brazos River.	Fill to accommodate roadway widening		0.298 acre		NA	29.05607	-95.53166	IP
6	W-9 - Palustrine Emergent Wetland within the 100-year floodplain of the Brazos River.	Fill to accommodate roadway widening		0.009 acre		NA	29.05685	-95.53533	IP

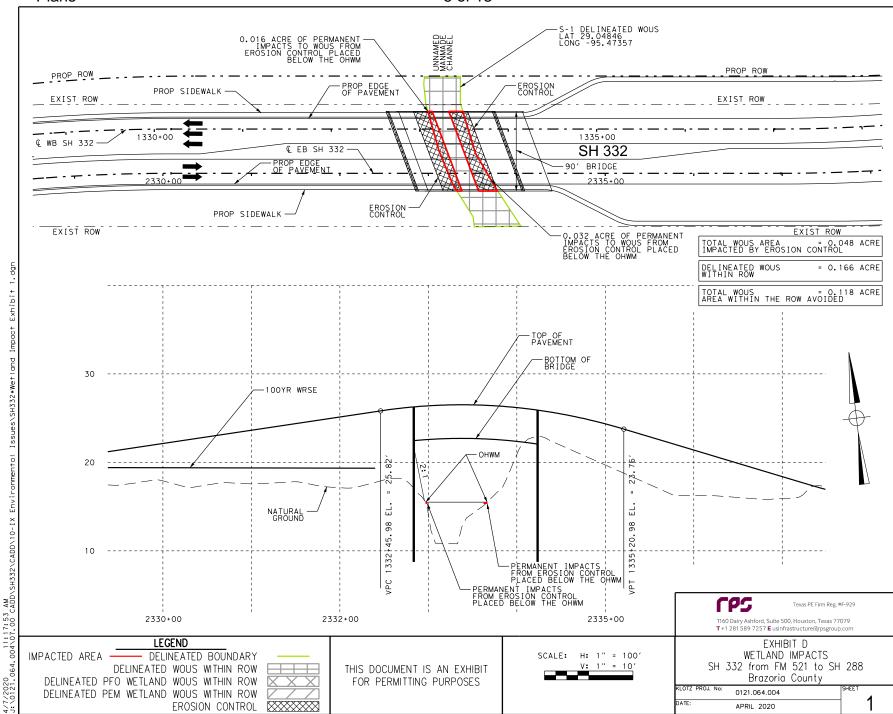
TxDOT SWG-2020-00273

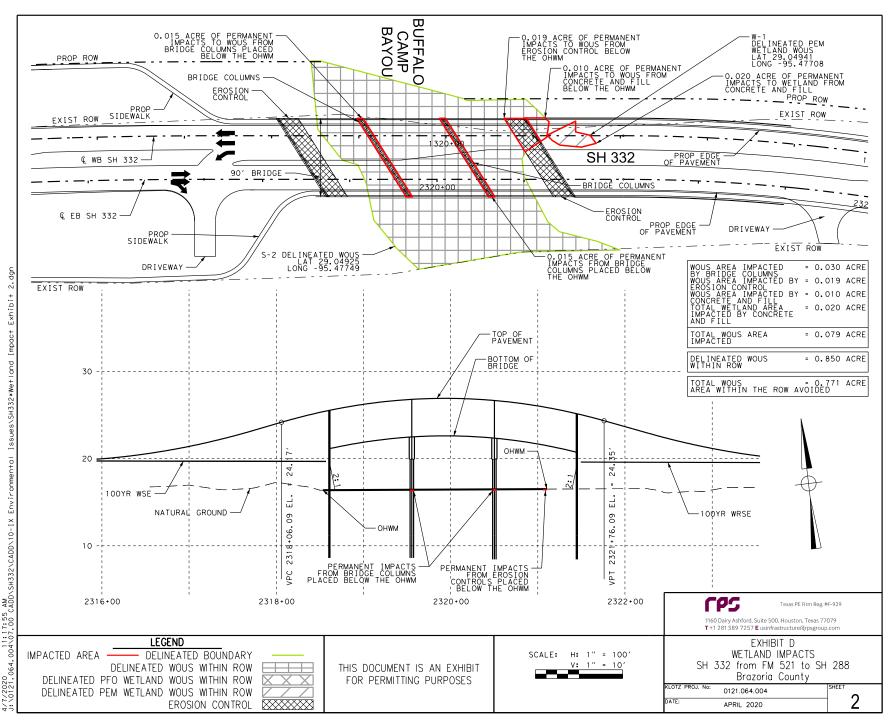
USACE Application for Department of the Army Permit SH 332, Brazoria County Supplemental Information

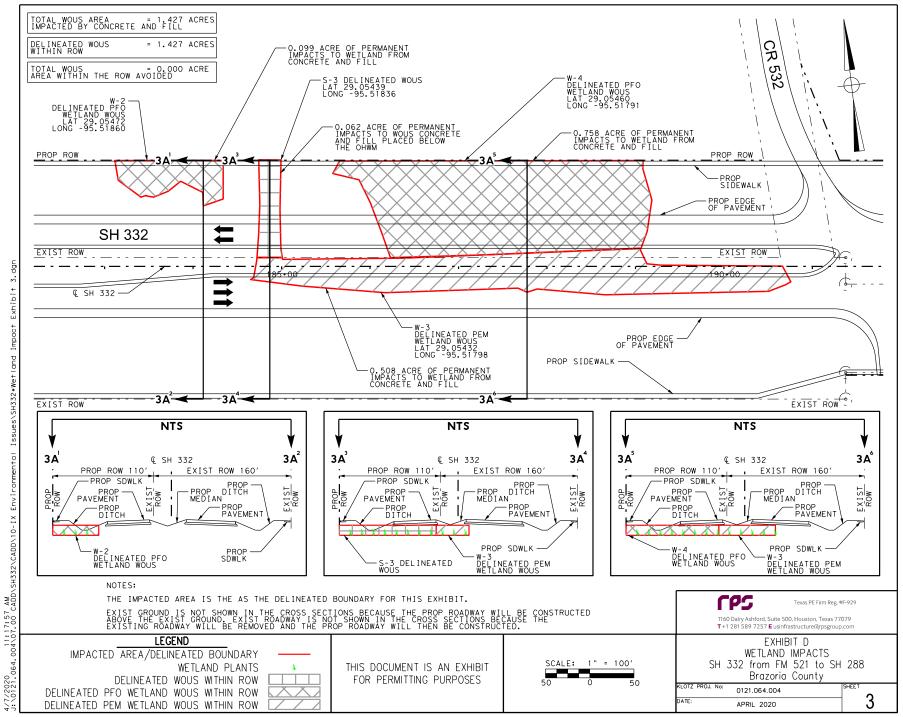
No. of Crossing	Aquatic Resource (Wetlands)	Type of Jurisdictional	Permanent Impact		Temporary Impact				Туре
	Include Water/Wetland Tag (Official water name)	Activity	Amount	Open water/wetland	Amount	Open water/wetland	Latitude	Longitude	of Permit
ASA <sup>4</sup>	W-16 - Palustrine Forested Wetland within the 100-year floodplain of the Brazos River <sup>3</sup> .	Fill to accommodate new proposed drainage channel		0.059 acre		NA	29.05044	-95.50097	IP
ASA	W-20 - Palustrine Forested Wetland within the 100-year floodplain of the Brazos River.	Fill to accommodate new proposed drainage channel		2.066 acre		NA	29.04847	-95.50210	IP
Totals			4.379 acres		NA				
No. of Crossing	Aquatic Resource (Streams) Include Water/Wetland Tag (Official water name)	Type of Jurisdictional Activity	Permanent Impact		Temporary Impact		Latitude	Longitude	Type of Permit
1	S-1 - Manmade channel (PS <sup>5</sup> ) that appears to extend from a pump station on Oyster Creek southward to the Dow Chemical Plant in the Clute-Lake Jackson area.	Bridge	Permanent impacts would occur because of erosion control placed below the OHWM <sup>6</sup> .  Total new permanent impact = 90 linear feet		NA		29.048462	-95.473571	IP
2	S-2 - Buffalo Camp Bayou (PS) a Tributary of the Brazos River.	Bridge	Permanent impacts would occur because of concrete and fill, bridge columns and erosion control placed below the OHWM.  Total new permanent impact = 90 linear feet		NA		29.049254	-95.477491	IP
9	S-4 - Brazos River (PS)	Construction of outfall structure to the Brazos River	Permanent impacts would occur because erosion control measures for the proposed new drainage channel outfall placed below the OHWM (0.049).  Total new permanent impact = 134 linear feet		NA		29.03978	-95.50759	IP
1	Totals	314 linear feet			NA		I.		

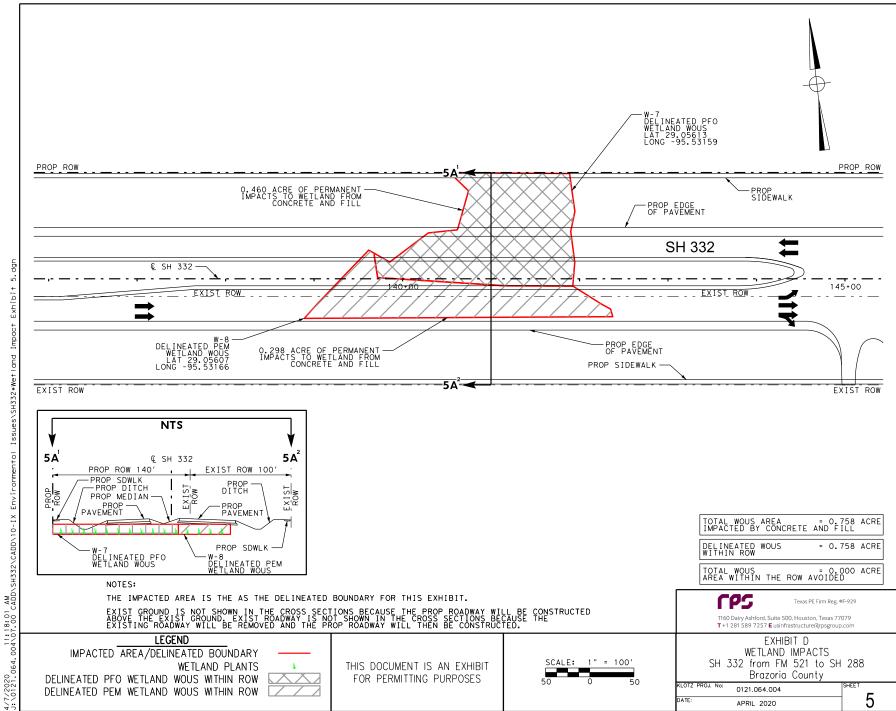
<sup>&</sup>lt;sup>1</sup>S-3 is a shallow linear feature that supports fluctuating amounts of herbaceous wetland vegetation depending on water depth and likely functions as a wetland at times.; <sup>2</sup>Intermittent Stream; <sup>3</sup>TNW = Traditional Navigable Water; <sup>4</sup>ASA = additional survey area associated with the proposed new drainage channel; <sup>5</sup>Perennial Stream; <sup>6</sup>OHWM = Ordinary High-Water Mark







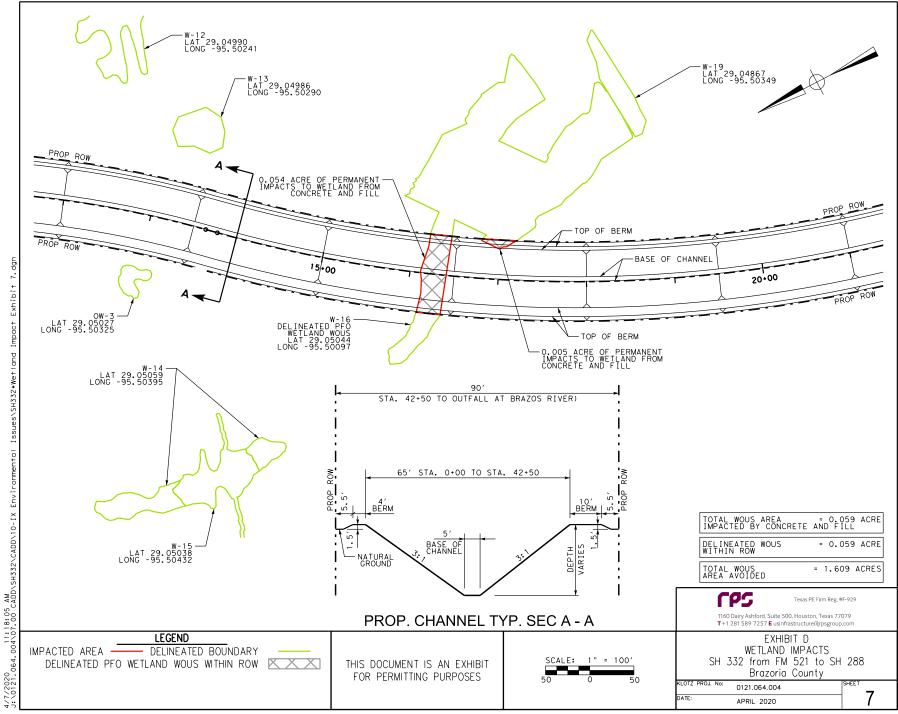


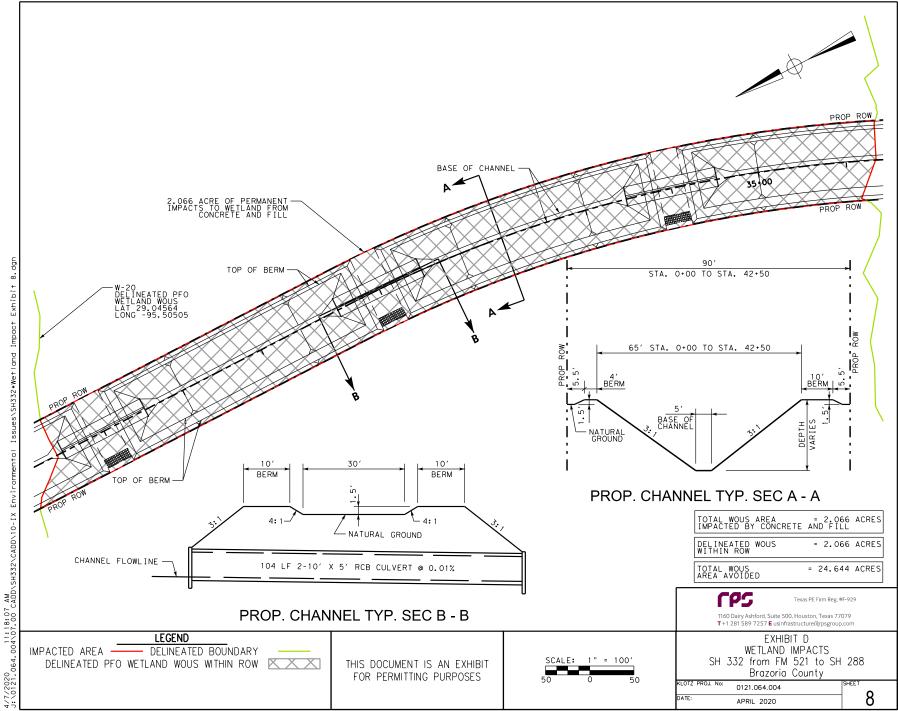


6

APRIL 2020

4/7/2020 J:\0121.064.004\07.00 CADD\SH332\CADD\10-1X Environmental Issues\SH332\*Wetland Im





**TxDOT**