OVERVIEW: THESE PLAN SHEETS SHOW WHERE THE PROPOSED RAIL LINE AND ASSOCIATED FACILITIES WILL IMPACT STREAMS, PONDS, AND WETLANDS POTENTIALLY UNDER THE JURISDICTION OF THE U.S. ARMY CORPS OF ENGINEERS. IMPACTS TO POTENTIALLY JURISDICTIONAL FEATURES ARE QUANTIFIED IN THE CALLOUT BOX ASSOCIATED WITH THAT FEATURE. POTENTIALLY NON-JURISDICTIONAL FEATURES ARE NOT QUANTIFIED ON THESE PLANS. SEE EXAMPLE SHEET BELOW.

CES9S7 - ES

HOW TO IDENTIFY IMPACTS AT A SPECIFIC AREA OF INTEREST:

- USE THE OVERVIEW MAP TO IDENTIFY THE MAP SHEET CONTAINING THE AREA OF INTEREST
- REFER TO THE MAP SHEET AND THE CALLOUTS FOR EACH FEATURE TO DETERMINE IMPACTS FOR AREA OF INTEREST

## **ABBREVIATIONS**

**STREAMS** ES - EPHEMERAL STREAM IS - INTERMITTENT STREAM PS - PERENNIAL STREAM

S - STREAM

WETLANDS/PONDS EW - EMERGENT WETLAND

FW - FORESTED WETLAND PD - POND

SW - SCRUB/SHRUB WETLAND

## IMPACTS

AC - ACRES

- C CONVERSION IMPACT, GIVEN IN AREA (AC)
- LF LINEAR FEET
- P PERMANENT IMPACT, GIVEN IN AREA (AC) OR LENGTH (LF) PNJD - PÔTÉNTIALLY NON-
- JURISDICTIONAL WATERBODY T - TEMPORARY IMPACT, GIVEN IN AREA (AC) OR LENGTH (LF)
- WOTUS WATERS OF THE UNITED STATES

**ENGINEERING** 

**ERMSA - EMERGENCY RESPONSE** AND MAINTENANCE STAGING

LOD - LIMITS OF DISTURBANCE MOW - MAINTENANCE OF WAY RCB - REINFORCED CONCRETE BOX

BMP - BEST MANAGEMENT PRACTICES

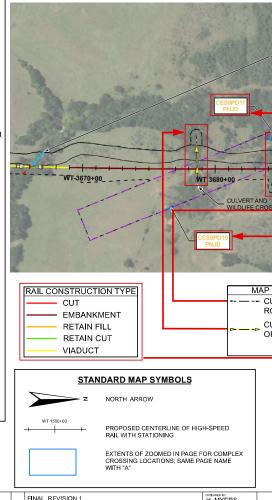
BNSF - BURLINGTON NORTHERN SANTA FE RAILWAY

CE - CENTRAL STATE PLANE ZONE

HSR - HIGH-SPEED RAIL NC - NORTH CENTRAL STATE PLANE ZONE

SC - SOUTH CENTRAL STATE PLANE ZONE

UPRR - UNION PACIFIC RAILROAD



141 35 LE: 0.02 AC DETAIL 8 3 : 92.55 LF: 0.01 AC DETAIL 4/NO DETAIL STATE PLANE COORDINATE SYSTEM (2) MAP GRID ID (3) WATERBODY TYPE (4) FEATURE NUMBER 130.80 LE: 0.05 A (5) STREAM TYPE **CALLOUT INFORMATION** FOR WATERBODY ´2) WT 3690+00 -(3) CES9S4 - IS CULVERT CULVER DETAIL 1 (1) WATERBODY ID CES9FW1 192.81 LF; 0.07 AC IMPACT TYPE AND P: 0.19 AC DETAIL 4 LENGTH/AREA O DETAIL (3) DETAIL DRAWING # DETAIL 7 CALLOUT INFORMATION FOR PNJD WATERBODY MAP SYMBOLOGY (2) --- CULVERT FLOW -LABEL COLORS (1) WATERBODY ID RCB BLACK TEXT - USACE HAS NOT VISITED FEATURE (2) JURISDICTIONAL STATUS ORANGE TEXT - USACE HAS VISITED FEATURE, EITHER BY BOOTS-ON-CULVERT FLOW -THE-GROUND OR WINDSHEILD SURVEY OR HAS CONFIRMED **OPEN BOTTOM** NJD STATUS VIA DESKTOP ANALYSIS

## RAIL CONSTRUCTION TYPE

CUT: CUT SECTIONS WILL CONSIST OF EXCAVATING WATERS OF THE U.S. FOLLOWED BY THE PLACEMENT OF RAIL BASE FILL MATERIAL WITHIN THE EXCAVATED AREA

EMBANKMENT: EMBANKMENT SECTIONS WILL CONSIST OF THE PLACEMENT OF EARTHEN, BALLAST, AND OTHER RAIL BASE FILL MATERIAL INTO WATERS OF THE U.S. EACH SIDE OF THE EMBANKMENT WILL HAVE SIDE SLOPES THAT TIE BACK TO NATURAL GROUND FROM THE RAIL BED. RETAIN FILL: RETAINED FILL SECTIONS WILL CONSIST OF THE PLACEMENT OF EARTHEN, BALLAST, OTHER RAIL BASE FILL MATERIAL, AND RETAINING WALLS INTO WATERS OF THE U.S. VERTICAL RETAINING WALLS WILL BE PLACED ON EACH SIDE TO HOLD THE FILL MATERIAL IN PLACE. RETAIN CUT: RETAINED CUT SECTIONS WILL CONSIST OF EXCAVATING WATERS OF THE U.S. FOLLOWED BY THE PLACEMENT OF RAIL BASE FILL MATERIAL WITHIN THE EXCAVATED AREA. THE RAIL BED WILL BE BOUND ON BOTH SIDES BY SOLDIER PILE WALLS WITH TIE BACKS. VIADUCT: VIADUCT SECTIONS WILL CONSIST OF ELEVATED SECTIONS OF RAIL SUPPORTED BY PIERS.

						FINAL, REVISION 1	H. MYERS	
						FINAL, REVISION 2	M. KINZER	
							CHECKED BY	DALLAS TO HOUSTON
- 1			_	_	-		R. ALDREDGE	HIGH-SPEED RAIL
								APPLICANT: TCRR
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FREESE

DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING TEXAS CENTRAL

GENERAL LEGEND AND ABBREVIATIONS SHEET

NO SCALE NOT FOR CONSTRUCTION 404-00-00001