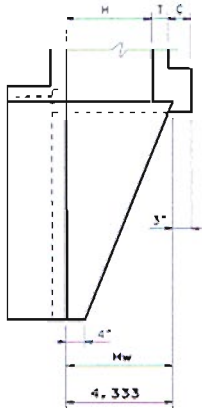
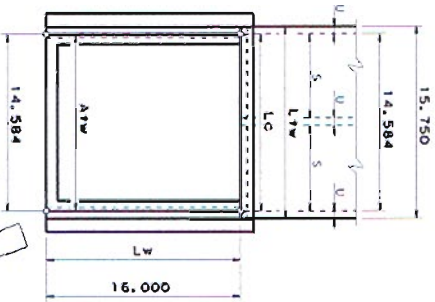


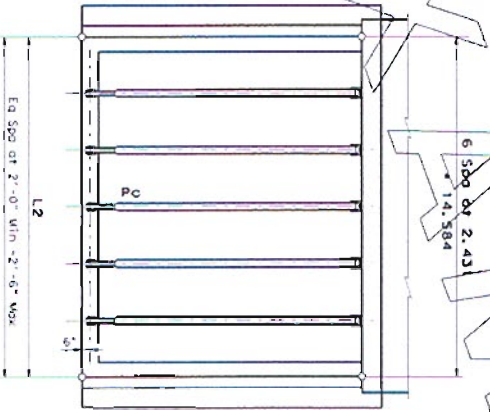
LEVEL	REMARKS	COMMENTS



WINGWALL ELEVATION



STRAIGHT END-PLAN



PIPE RUNNER PLAN

CONCRETE DIMENSIONS:

- H = 1.000 ; T = 0.250 ; C = 0.250 ; L = 1.000 ; L1 = 0.583 ; L2 = 0.583 ; L3 = 0.583 ; L4 = 0.583 ; L5 = 0.583 ; L6 = 0.583 ; L7 = 0.583 ; L8 = 0.583 ; L9 = 0.583 ; L10 = 0.583 ; L11 = 0.583 ; L12 = 0.583 ; L13 = 0.583 ; L14 = 0.583 ; L15 = 0.583 ; L16 = 0.583 ; L17 = 0.583 ; L18 = 0.583 ; L19 = 0.583 ; L20 = 0.583 ; L21 = 0.583 ; L22 = 0.583 ; L23 = 0.583 ; L24 = 0.583 ; L25 = 0.583 ; L26 = 0.583 ; L27 = 0.583 ; L28 = 0.583 ; L29 = 0.583 ; L30 = 0.583 ; L31 = 0.583 ; L32 = 0.583 ; L33 = 0.583 ; L34 = 0.583 ; L35 = 0.583 ; L36 = 0.583 ; L37 = 0.583 ; L38 = 0.583 ; L39 = 0.583 ; L40 = 0.583 ; L41 = 0.583 ; L42 = 0.583 ; L43 = 0.583 ; L44 = 0.583 ; L45 = 0.583 ; L46 = 0.583 ; L47 = 0.583 ; L48 = 0.583 ; L49 = 0.583 ; L50 = 0.583 ; L51 = 0.583 ; L52 = 0.583 ; L53 = 0.583 ; L54 = 0.583 ; L55 = 0.583 ; L56 = 0.583 ; L57 = 0.583 ; L58 = 0.583 ; L59 = 0.583 ; L60 = 0.583 ; L61 = 0.583 ; L62 = 0.583 ; L63 = 0.583 ; L64 = 0.583 ; L65 = 0.583 ; L66 = 0.583 ; L67 = 0.583 ; L68 = 0.583 ; L69 = 0.583 ; L70 = 0.583 ; L71 = 0.583 ; L72 = 0.583 ; L73 = 0.583 ; L74 = 0.583 ; L75 = 0.583 ; L76 = 0.583 ; L77 = 0.583 ; L78 = 0.583 ; L79 = 0.583 ; L80 = 0.583 ; L81 = 0.583 ; L82 = 0.583 ; L83 = 0.583 ; L84 = 0.583 ; L85 = 0.583 ; L86 = 0.583 ; L87 = 0.583 ; L88 = 0.583 ; L89 = 0.583 ; L90 = 0.583 ; L91 = 0.583 ; L92 = 0.583 ; L93 = 0.583 ; L94 = 0.583 ; L95 = 0.583 ; L96 = 0.583 ; L97 = 0.583 ; L98 = 0.583 ; L99 = 0.583 ; L100 = 0.583

BOX-CULVERT PARAMETERS:

- 2' x 3' Multi-Box Culvert with 8' fill
- 4:1 Slope, end 1,000' curb (C), from WC-7-10
- Side H = 3,000' ; T = 0,583' ; end U = 0,583'

DEFINITIONS:

- H = Wingwall height (at tallest point)
- T = Top of curb height
- C = Culvert top thickness
- L = Length of curb (along top of top side)
- L1 - Length of wingwall (horizontal) ; L2 - Vertical
- L3 - Length of wingwall (horizontal) ; L4 - Vertical
- L5 - Length of wingwall (horizontal) ; L6 - Vertical
- L7 - Length of wingwall (horizontal) ; L8 - Vertical
- L9 - Length of wingwall (horizontal) ; L10 - Vertical
- L11 - Length of wingwall (horizontal) ; L12 - Vertical
- L13 - Length of wingwall (horizontal) ; L14 - Vertical
- L15 - Length of wingwall (horizontal) ; L16 - Vertical
- L17 - Length of wingwall (horizontal) ; L18 - Vertical
- L19 - Length of wingwall (horizontal) ; L20 - Vertical
- L21 - Length of wingwall (horizontal) ; L22 - Vertical
- L23 - Length of wingwall (horizontal) ; L24 - Vertical
- L25 - Length of wingwall (horizontal) ; L26 - Vertical
- L27 - Length of wingwall (horizontal) ; L28 - Vertical
- L29 - Length of wingwall (horizontal) ; L30 - Vertical
- L31 - Length of wingwall (horizontal) ; L32 - Vertical
- L33 - Length of wingwall (horizontal) ; L34 - Vertical
- L35 - Length of wingwall (horizontal) ; L36 - Vertical
- L37 - Length of wingwall (horizontal) ; L38 - Vertical
- L39 - Length of wingwall (horizontal) ; L40 - Vertical
- L41 - Length of wingwall (horizontal) ; L42 - Vertical
- L43 - Length of wingwall (horizontal) ; L44 - Vertical
- L45 - Length of wingwall (horizontal) ; L46 - Vertical
- L47 - Length of wingwall (horizontal) ; L48 - Vertical
- L49 - Length of wingwall (horizontal) ; L50 - Vertical
- L51 - Length of wingwall (horizontal) ; L52 - Vertical
- L53 - Length of wingwall (horizontal) ; L54 - Vertical
- L55 - Length of wingwall (horizontal) ; L56 - Vertical
- L57 - Length of wingwall (horizontal) ; L58 - Vertical
- L59 - Length of wingwall (horizontal) ; L60 - Vertical
- L61 - Length of wingwall (horizontal) ; L62 - Vertical
- L63 - Length of wingwall (horizontal) ; L64 - Vertical
- L65 - Length of wingwall (horizontal) ; L66 - Vertical
- L67 - Length of wingwall (horizontal) ; L68 - Vertical
- L69 - Length of wingwall (horizontal) ; L70 - Vertical
- L71 - Length of wingwall (horizontal) ; L72 - Vertical
- L73 - Length of wingwall (horizontal) ; L74 - Vertical
- L75 - Length of wingwall (horizontal) ; L76 - Vertical
- L77 - Length of wingwall (horizontal) ; L78 - Vertical
- L79 - Length of wingwall (horizontal) ; L80 - Vertical
- L81 - Length of wingwall (horizontal) ; L82 - Vertical
- L83 - Length of wingwall (horizontal) ; L84 - Vertical
- L85 - Length of wingwall (horizontal) ; L86 - Vertical
- L87 - Length of wingwall (horizontal) ; L88 - Vertical
- L89 - Length of wingwall (horizontal) ; L90 - Vertical
- L91 - Length of wingwall (horizontal) ; L92 - Vertical
- L93 - Length of wingwall (horizontal) ; L94 - Vertical
- L95 - Length of wingwall (horizontal) ; L96 - Vertical
- L97 - Length of wingwall (horizontal) ; L98 - Vertical
- L99 - Length of wingwall (horizontal) ; L100 - Vertical

NOT A STANDARD  
NOT FOR INCLUSION  
IN THE PLANS

EXAMPLE CALCULATIONS FOR SETB-SW-O STANDARD

Texas Department of Transportation  
Design Division

SHEET 1 OF 2

NO.	DATE	BY	CHK	APP	REV
1	12/20/20	WJG	WJG	WJG	1

