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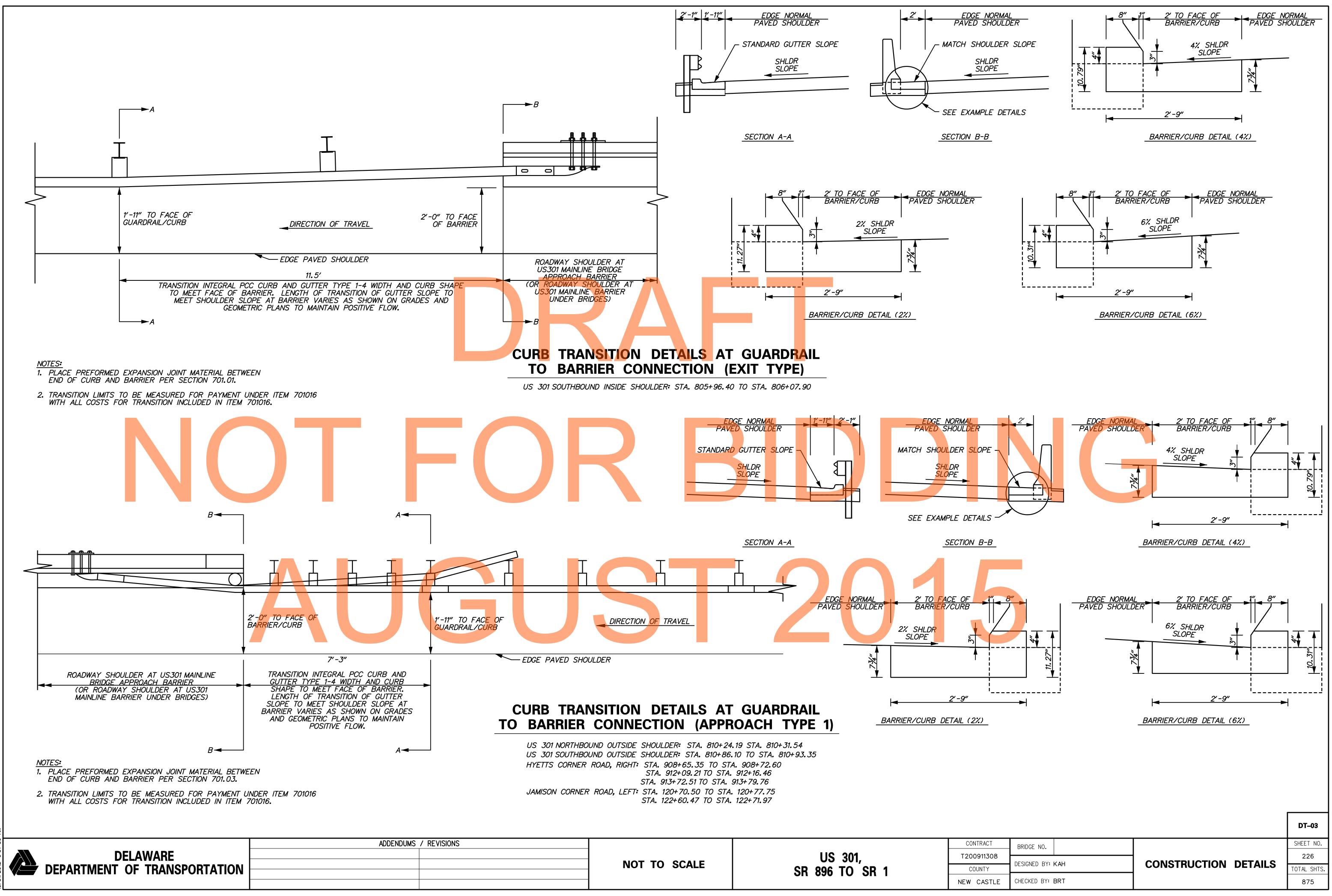


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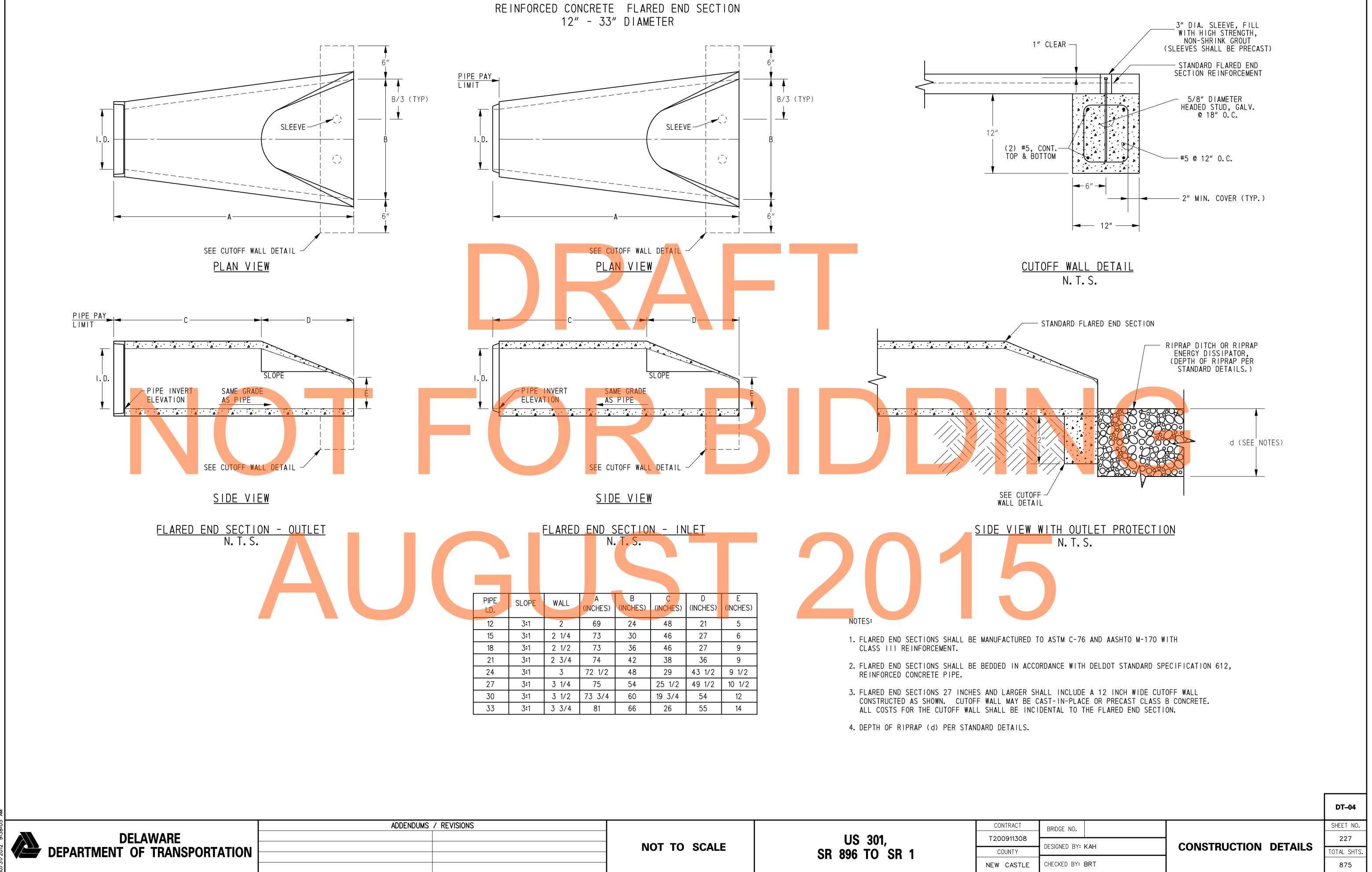
LEGEND (A) ITEM 209001 - BORROW, TYPE A (B) ITEM 209006 - BORROW, TYPE F (C) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B (D) ITEM 304501 - PERMEABLE TREATED BASE. 4" (E) ITEM 304502 - SOIL CEMENT BASE COURSE, 6" (F) ITEM 401801 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (G) ITEM 401810 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22 (J) ITEM 401819 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS. PG 64-22 (K) ITEM 501006 - PORTLAND CEMENT CONCRETE PAVEMENT, 12" (L) ITEM 701010 - PCC CURB, TYPE 1-8 (N) ITEM 701022 - PCC CURB AND GUTTER, TYPE 3-8 (P) ITEM 715001 - PERFORATED PIPE UNDERDRAINS, 6" (Q) ITEM 720050 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31 (R) ITEM 720052 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 3-31 (S) ITEM 727000 - RIGHT OF WAY FENCE (T) ITEM 501001 - 8" PORTLAND CEMENT CONCRETE (U) ITEM 733002 - TOPSOILING, 6" DEPTH ITEM 734013 - PERMANENT GRASS SEEDING, DRY GROUND (V) ITEM 733002 - TOPSOILING, 6" DEPTH ITEM 734013 - PERMANENT GRASS SEEDING, DRY GROUND ITEM 735535 - SOIL RETENTION BLANKET MULCH, TYPE 5 (W) ITEM 701016 - PCC CURB AND GUTTER, TYPE 1-4 (X) ITEM 760017 - RUMBLE STRIPS, CONCRETE (Y) ITEM 705001 - PCC SIDEWALK, 4" (A) ITEM 720626 - CONCRETE SINGLE FACE BARRIER, TYPE 1 (BB) ITEM 760507 - PROFILE MILLING, HOT-MIX (C) ITEM 401824 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, WEDGE (D) ITEM 733001 - TOPSOILING, 4" DEPTH ITEM 734013 - PERMANENT GRASS SEEDING, DRY GROUND E ITEM 713002 - GEOTEXTILE, SEPARATION (F) ITEM 701013 - PCC CURB, TYPE 1-2

RUCTION DETAILS

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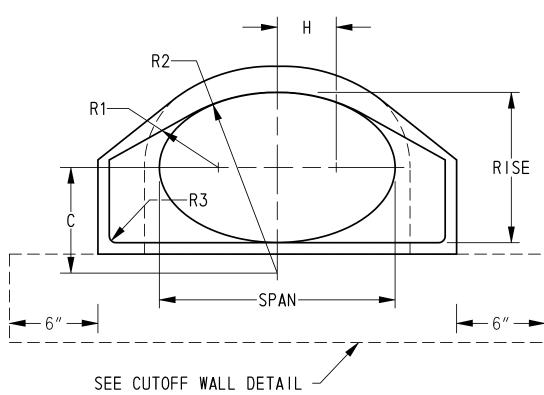


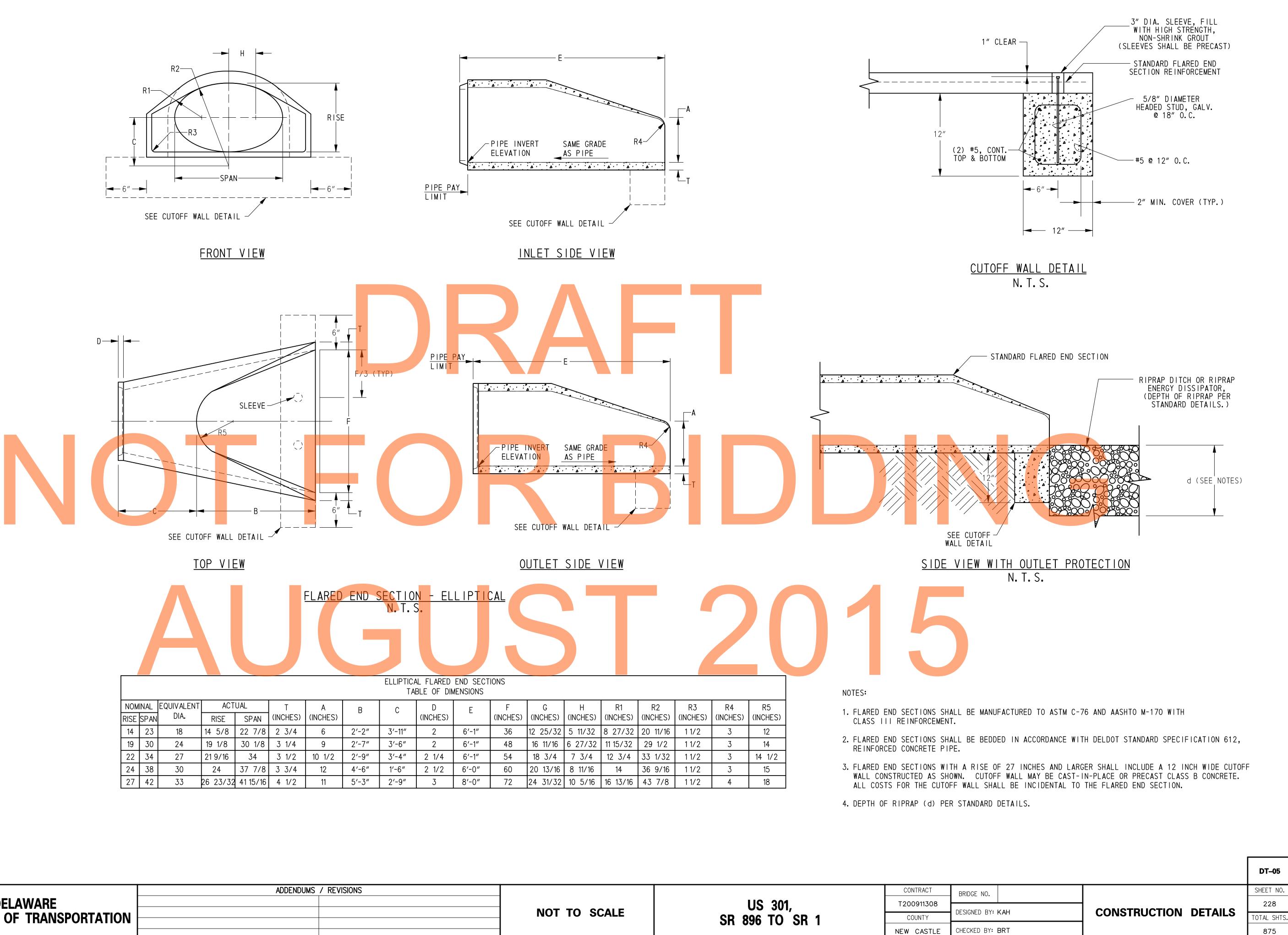
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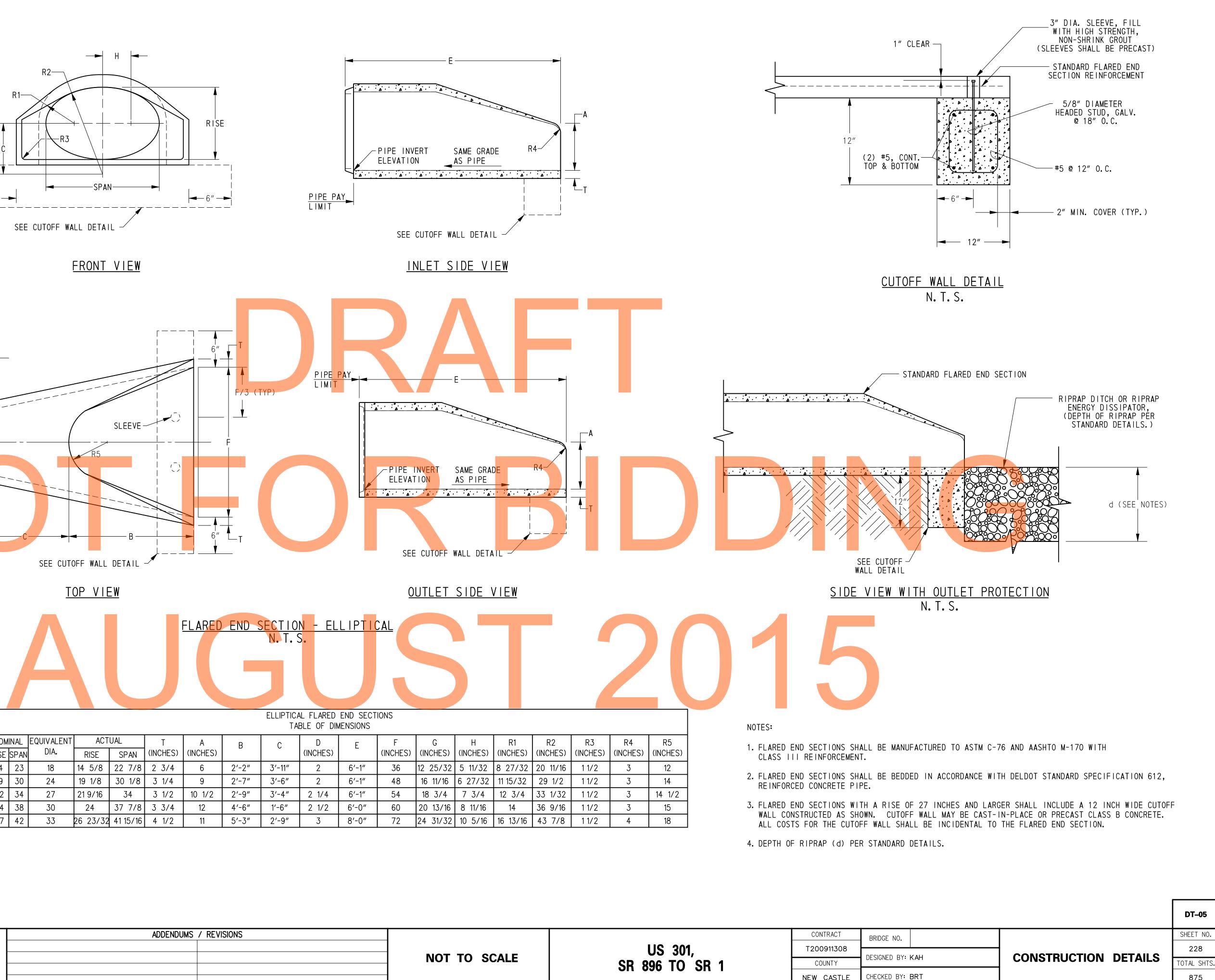


PIPE I.D.	SLOPE	WALL	A (INCHES)	B (INCHES)	C (INCHES)	D (INCHES)	E (INCHES)
12	3:1	2	69	24	48	21	5
15	3 : 1	2 1/4	73	30	46	27	6
18	3 : 1	2 1/2	73	36	46	27	9
21	3 : 1	2 3/4	74	42	38	36	9
24	3 : 1	3	72 1/2	48	29	43 1/2	9 1/2
27	3 : 1	3 1/4	75	54	25 1/2	49 1/2	10 1/2
30	3:1	3 1/2	73 3/4	60	19 3/4	54	12
33	3:1	3 3/4	81	66	26	55	14

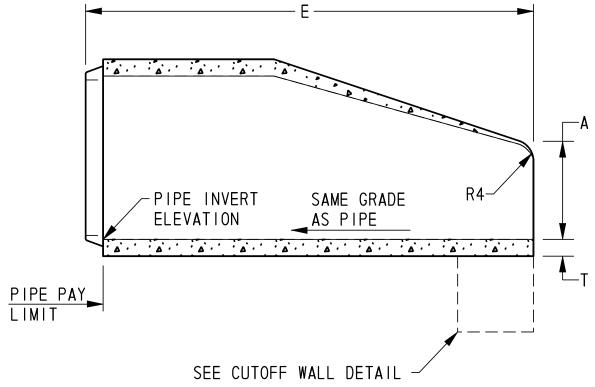
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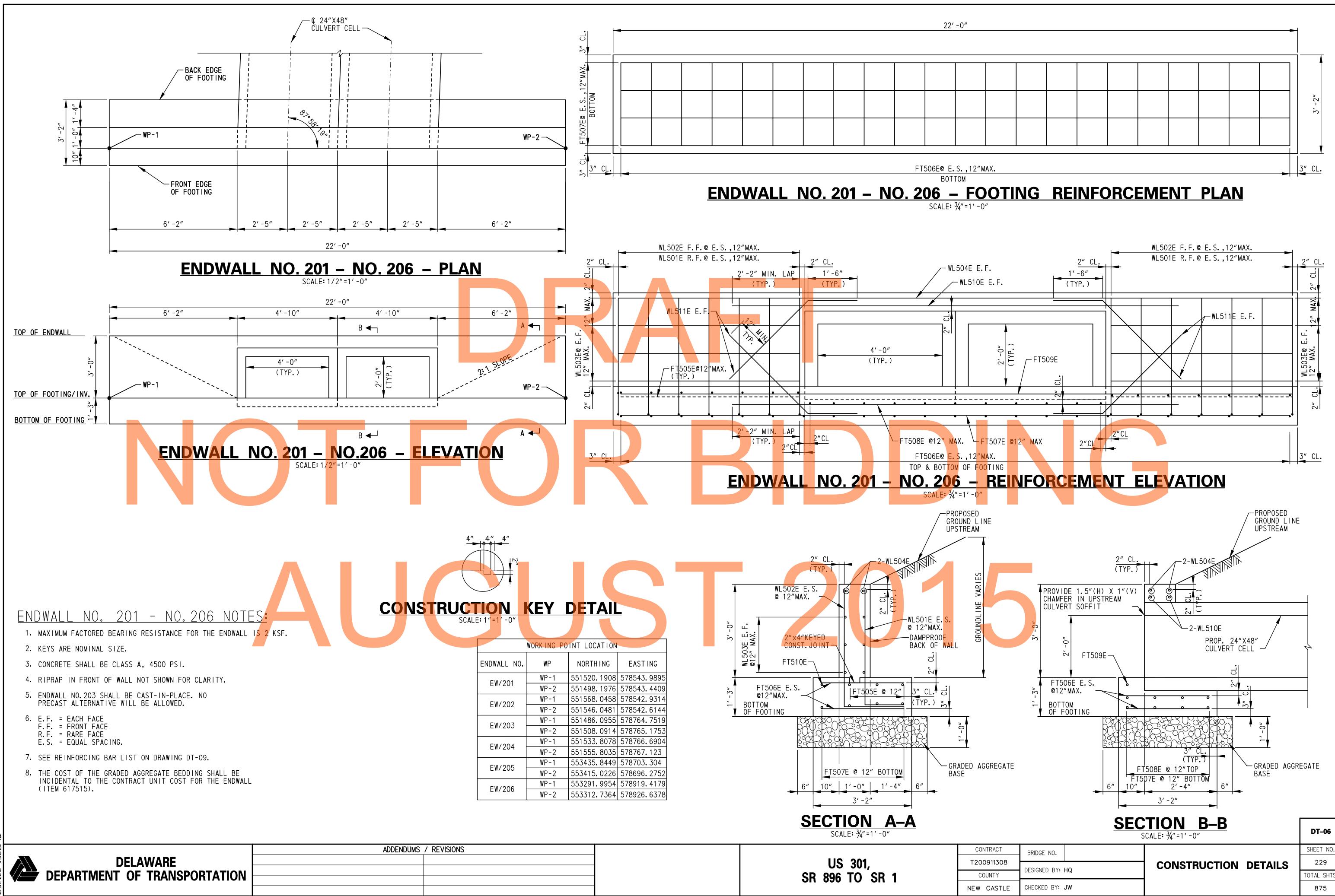


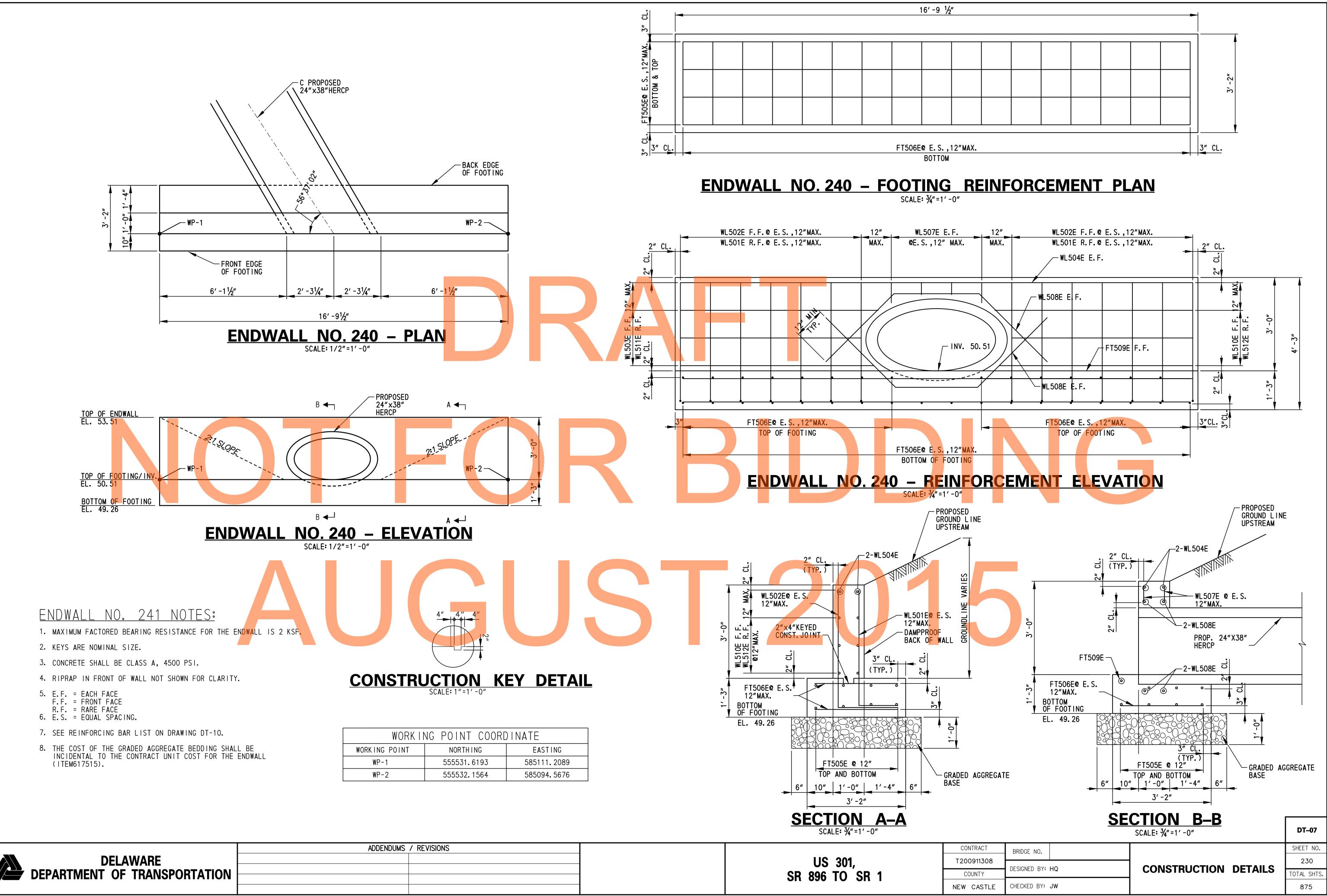
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	19	30	24	19 1/8	30 1/8	3 1/4	9	2'-
	22	34	27	21 9/16	34	3 1/2	10 1/2	2'-
	24	38	30	24	37 7/8	3 3/4	12	4'-
	27	42	33	26 23/32	41 15/16	4 1/2	11	5′-



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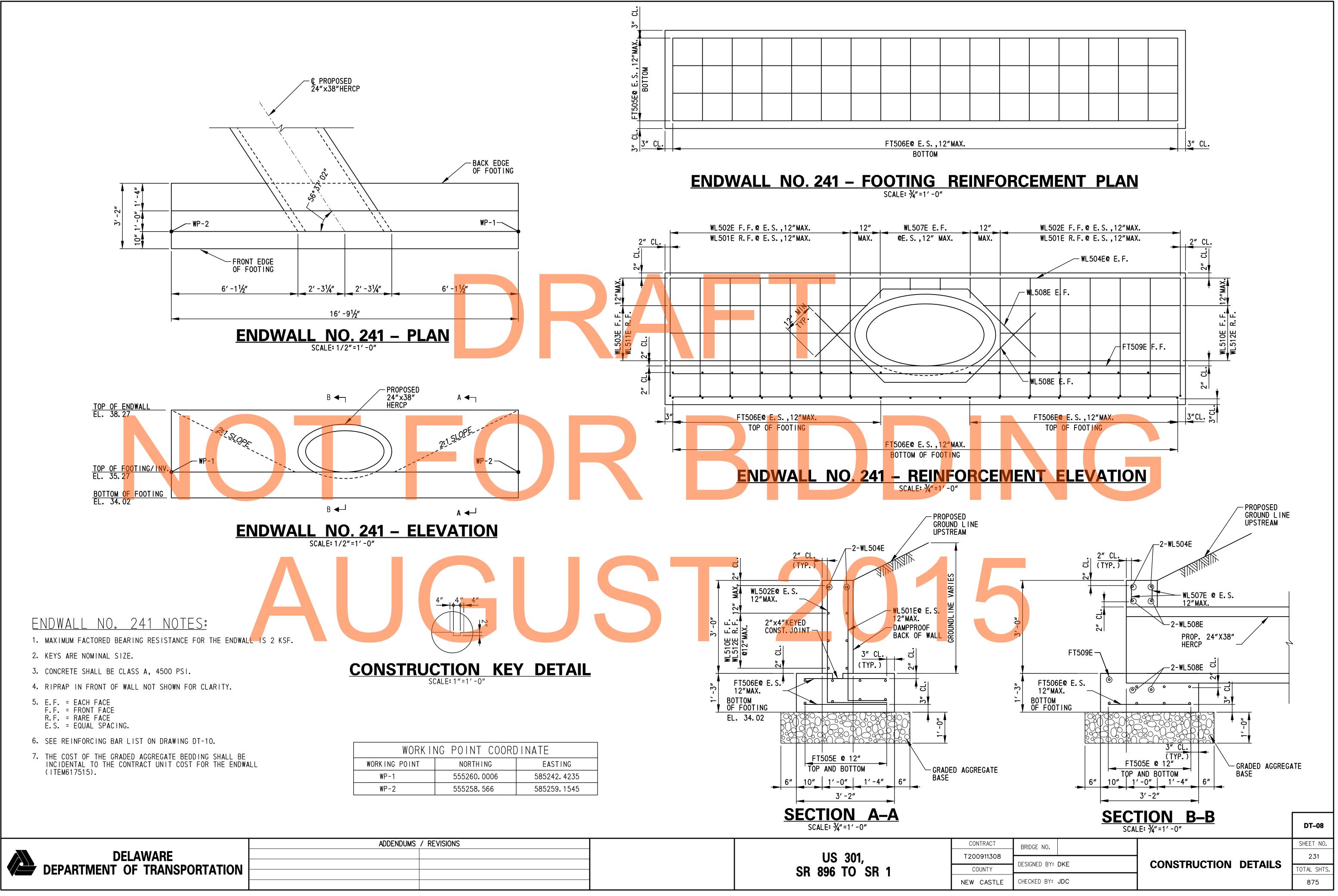
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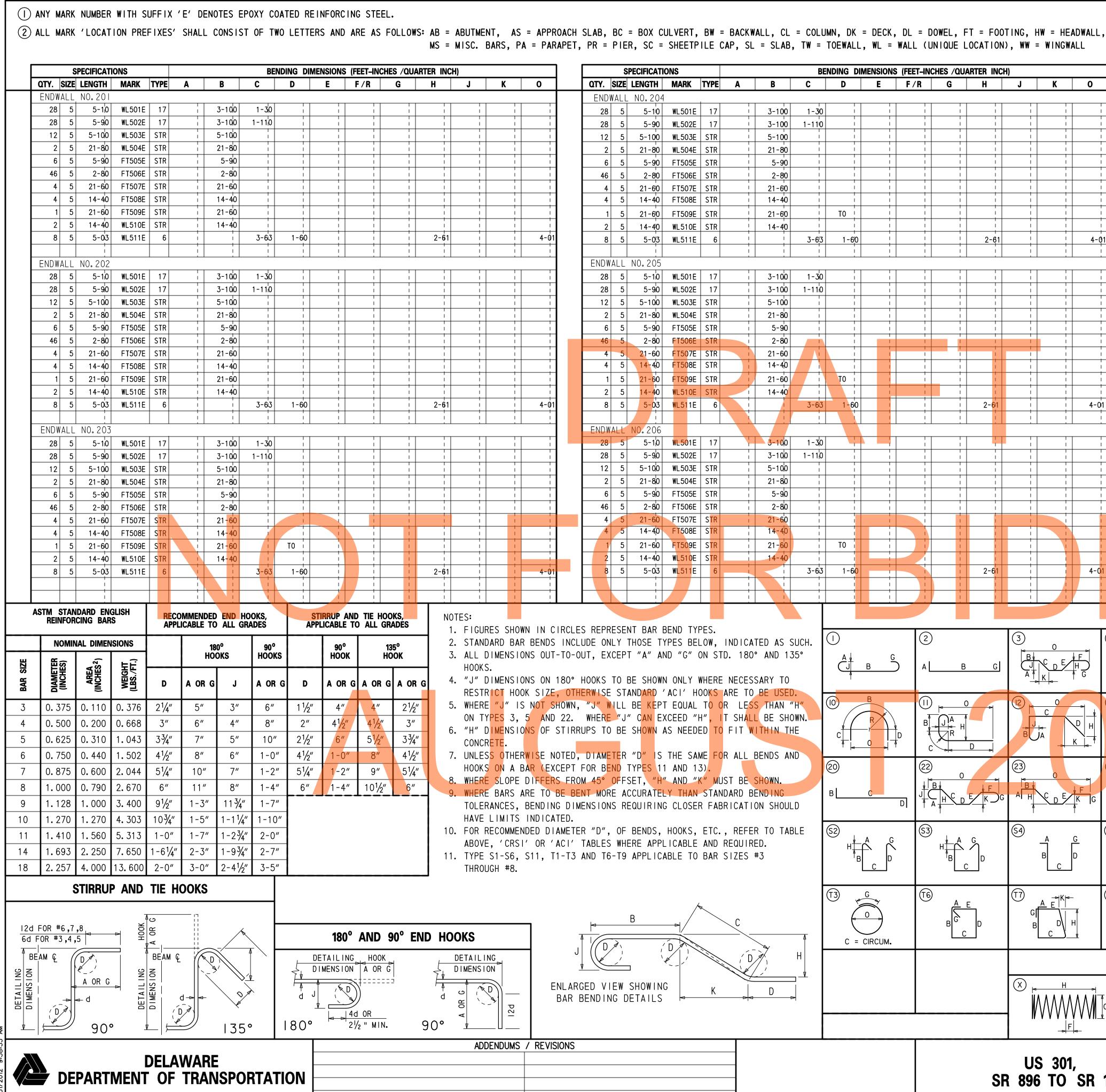




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ADDENDUMS	/	REVISIONS



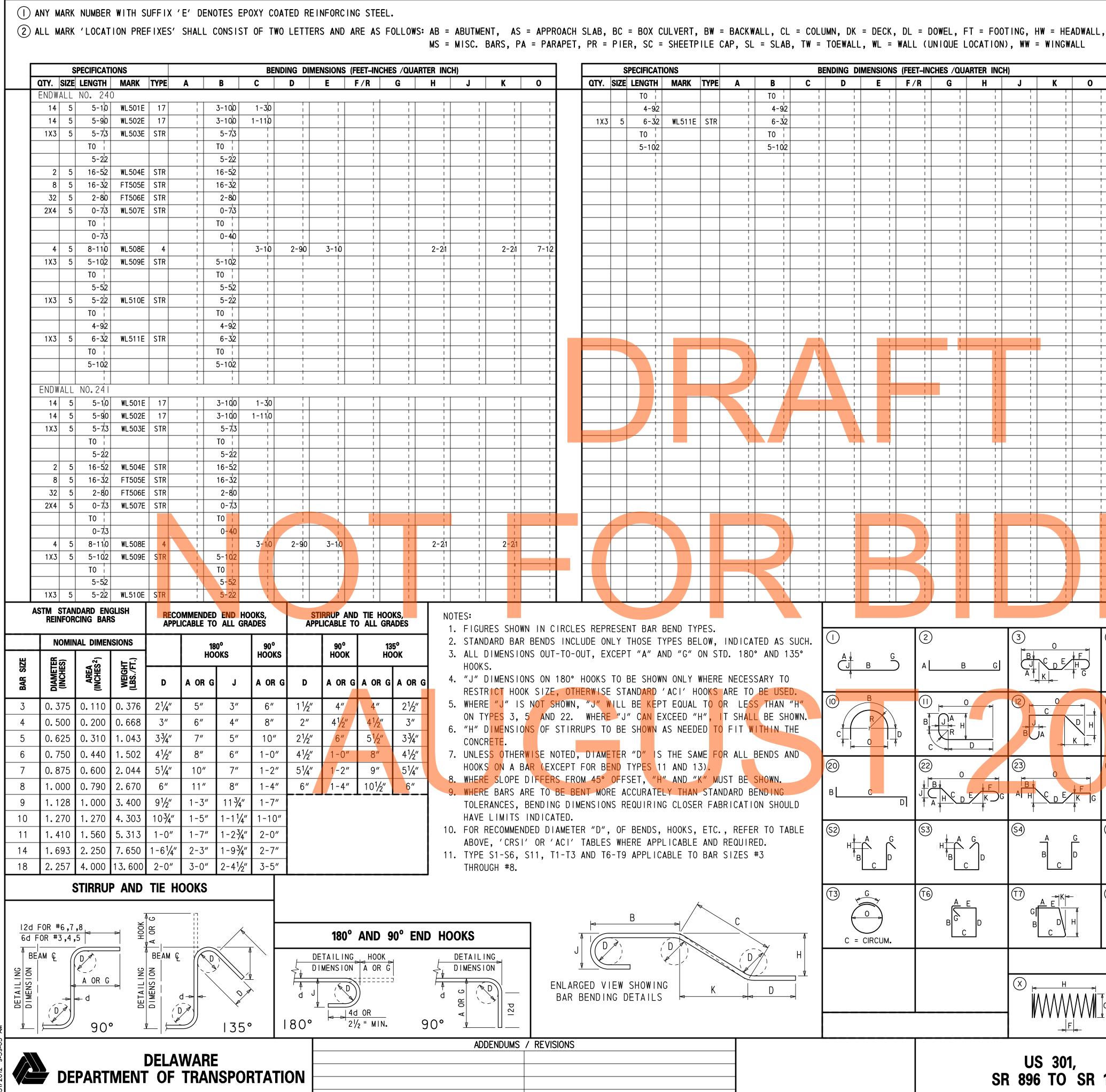


SPECIFICATIONS **BENDING DIMENSIONS (FEET-INCHES /QUARTER INCH) SPECIFICA** QTY. SIZE LENGTH MARK TYPE A B C D E F/R G H J K O QTY. SIZE LENGTH ENDWALL NO.204 28 5 5-10 WL501E 3-100 1-30 28 5 5-90 WL502E 3-100 1-110 12 5 5-100 WL503E STR 5-100 2 5 21-80 WL504E STR 21-80 6 5 5-90 FT505E STR 5-90 46 5 2-80 FT506E STR 2-80 4 5 21-60 FT507E STR 21-60 4 5 14-40 FT508E STR 14-40 1 5 21-60 FT509E STR 21-60 T0 ' 2 5 14-40 WL510E STR 14-40 8 5 5-03 WL511E 3-6'3 2-61 1 1-60 4-0 ENDWALL NO.205 28 5 5-10 WL501E 17 3-100 1-30 3-100 1-110 28 5 5-90 WL502E 17 12 5 5-100 WL503E STR 5-100 2 5 21-80 WL504E STR 21-80 6 5 5-90 FT505E STR 5-90 46 5 2-80 FT506E STR 2-80 4 5 21-60 FT507E STR 21-60 4 5 14-40 FT508E STR 14-40 1 5 21-60 FT509E STR TO i 21-60 2 5 14-40 WL510E STR 14-40 8 5 5-03 WL511E 6 3-63 1-60 2-<mark>61</mark> 4-01 ENDWALL NO. 206 28 5 5-10 WL501E 17 3-100 1-30 3-100 1-110 28 5 5-90 WL502E 17 5-10¦0 12 5 5-100 WL503E STR 2 | 5 | 21-80 | WL504E | STR 21-80 6 5 5-90 FT505E STR 5-90 46 | 5 | 2-80 | FT506E | STR | 2-80 4 5 21-60 FT507E STR 21-60 5 14-40 FT508E STR 14-40 5 21-60 FT509E STF 21-60 Τ0 14-40 2 5 14-40 WL510E STR 8 5 5-03 WL511E 3-63 4-01 1-6<mark>0</mark> 2-61 STAND 1. FIGURES SHOWN IN CIRCLES REPRESENT BAR BEND TYPES. 2. STANDARD BAR BENDS INCLUDE ONLY THOSE TYPES BELOW, INDICATED AS SUCH. 3. ALL DIMENSIONS OUT-TO-OUT, EXCEPT "A" AND "G" ON STD. 180° AND 135° Д J В 4. "J" DIMENSIONS ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD 'ACI' HOOKS ARE TO BE USED. 13 = B/ 5. WHERE "J" IS NOT SHOWN, "J" WILL BE KEPT EQUAL TO OR LESS THAN "H" ON TYPES 3, 5 AND 22. WHERE "J" CAN EXCEED "H", IT SHALL BE SHOWN. <mark>- al^yia−</mark> H √R 6. "H" DIMENSIONS OF STIRRUPS TO BE SHOWN AS NEEDED TO FIT WITHIN THE D C D 7. UNLES<mark>S OTHERWIS</mark>E NOTED, DIAMETER "D" IS THE SAME FOR ALL BENDS AND HOOKS ON A BAR (EXCEPT FOR BEND TYPES 11 AND 13). 8. WHERE SLOPE DIFFERS FROM 45° OFFSET, "H" AND "K" MUST BE SHOWN. Д В 9. WHERE BARS ARE TO BE BENT MORE ACCURATELY THAN STANDARD BENDING ″₽<u>~</u>µ<u>~</u> <u>₽</u><u></u>K⊃ TOLERANCES, BENDING DIMENSIONS REQUIRING CLOSER FABRICATION SHOULD 10. FOR RECOMMENDED DIAMETER "D", OF BENDS, HOOKS, ETC., REFER TO TABLE H[★]↓ ABOVE, 'CRSI' OR 'ACI' TABLES WHERE APPLICABLE AND REQUIRED. 11. TYPE S1-S6, S11, T1-T3 AND T6-T9 APPLICABLE TO BAR SIZES #3 С С С <u>A</u>E вС 0 D\| Н| С C = CIRCUM. SPIRAL NOTES: J = TURNS AT 'F' SPACING ENLARGED VIEW SHOWING D BAR BENDING DETAILS K = EXTRA TURNS (HALF TOP & BOTTOM) U PLAIN SPIRAL WITH M PLAIN SPIRAL WITH SPACERS MOUNTED F∣ US 301,

SR 896 TO SR 1

MS = MISC. BARS, PA = PARAPET, PR = PIER, SC = SHEETPILE CAP, SL = SLAB, TW = TOEWALL, WL = WALL (UNIQUE LOCATION), WW = WINGWALL

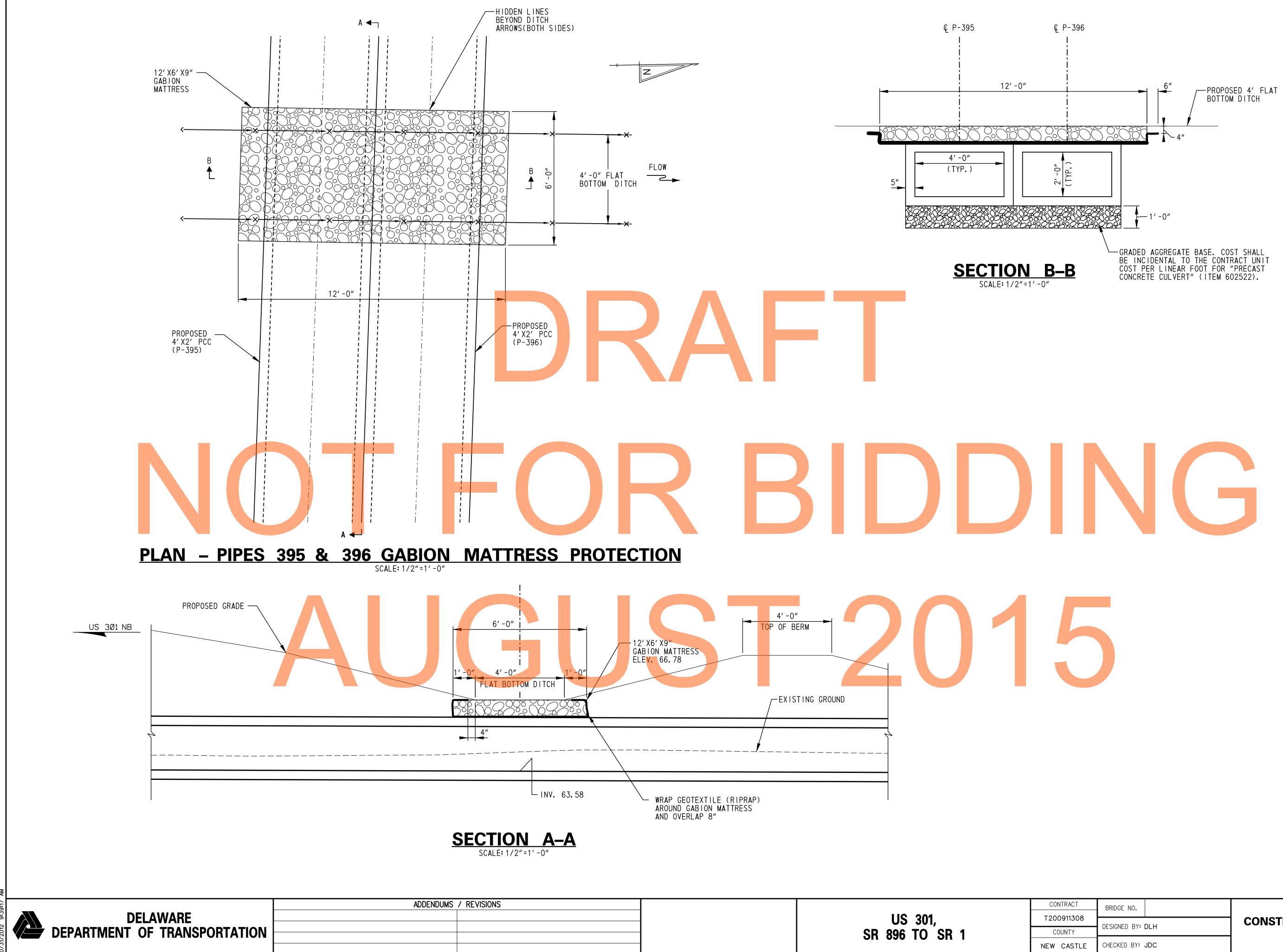
CIFICATIONS BENDING DIMENSIONS (FEET-INCHES /QU) ENGTH MARK TYPE A B C D E F / R G I	ARTER INCH) H H H H H H H H H H H H H H H H H H	J K	0
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SPECIFICATIONS **BENDING DIMENSIONS (FEET-INCHES /QUARTER INCH) SPECIFICA** QTY. SIZE LENGTH MARK TYPE A B QTY. SIZE LENGTH C D E F/R G H J K 0 T0 i TO i 4-9,2 4-9[']2 1X3 5 6-32 WL511E STR 6-32 то і T0 5-102 5-102 _ I _ I 1 STAND 1. FIGURES SHOWN IN CIRCLES REPRESENT BAR BEND TYPES. 2. STANDARD BAR BENDS INCLUDE ONLY THOSE TYPES BELOW, INDICATED AS SUCH. 3. ALL DIMENSIONS OUT-TO-OUT, EXCEPT "A" AND "G" ON STD. 180° AND 135° СЈ В 4. "J" DIMENSIONS ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD 'ACI' HOOKS ARE TO BE USED. 3-H B/ (10) 5. WHERE "J" IS NOT SHOWN, "J" WILL BE KEPT EQUAL TO OR LESS THAN "H" C ON TYPES 3, 5 AND 22. WHERE "J" CAN EXCEED "H", IT SHALL BE SHOWN. 6. "H" DIMENSIONS OF STIRRUPS TO BE SHOWN AS NEEDED TO FIT WITHIN THE D C D 0 7. UNLES<mark>S OTHERWISE NOTED, DIAMETER "D" IS THE SAME FOR ALL BENDS AND</mark> HOOKS ON A BAR (EXCEPT FOR BEND TYPES 11 AND 13). 8. WHERE SLOPE DIFFERS FROM 45° OFFSET, "H" AND "K" MUST BE SHOWN. А В 9. WHERE BARS ARE TO BE BENT MORE ACCURATELY THAN STANDARD BENDING ╨<u>┍┍╒╲</u>ҝ╲ TOLERANCES, BENDING DIMENSIONS REQUIRING CLOSER FABRICATION SHOULD S2) 10. FOR RECOMMENDED DIAMETER "D", OF BENDS, HOOKS, ETC., REFER TO TABLE н<mark>та</mark> У ABOVE, 'CRSI' OR 'ACI' TABLES WHERE APPLICABLE AND REQUIRED. 11. TYPE S1-S6, S11, T1-T3 AND T6-T9 APPLICABLE TO BAR SIZES #3 D С С С (T3) <u>A</u>E BC 0 D\| Н| С C = CIRCUM. SPIRAL NOTES: J = TURNS AT 'F' SPACING ENLARGED VIEW SHOWING D K = EXTRA TURNS (HALF BAR BENDING DETAILS TOP & BOTTOM) - XL PLAIN SPIRAL WITH SPACERS LOOSE IV V V V V V V II_+ M PLAIN SPIRAL WITH SPACERS MOUNTED F US 301, T2 SR 896 TO SR 1

MS = MISC. BARS, PA = PARAPET, PR = PIER, SC = SHEETPILE CAP, SL = SLAB, TW = TOEWALL, WL = WALL (UNIQUE LOCATION), WW = WINGWALL

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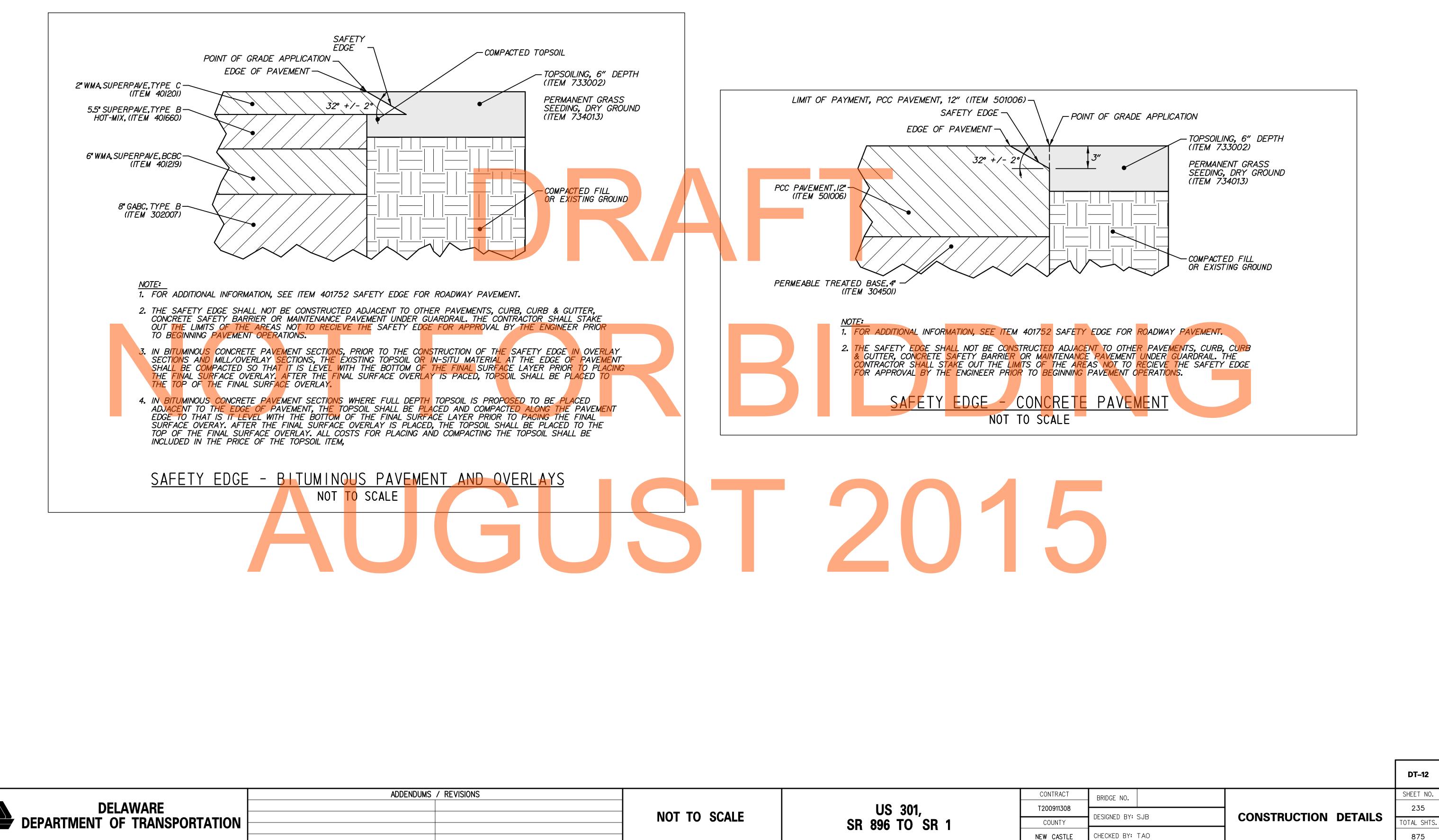


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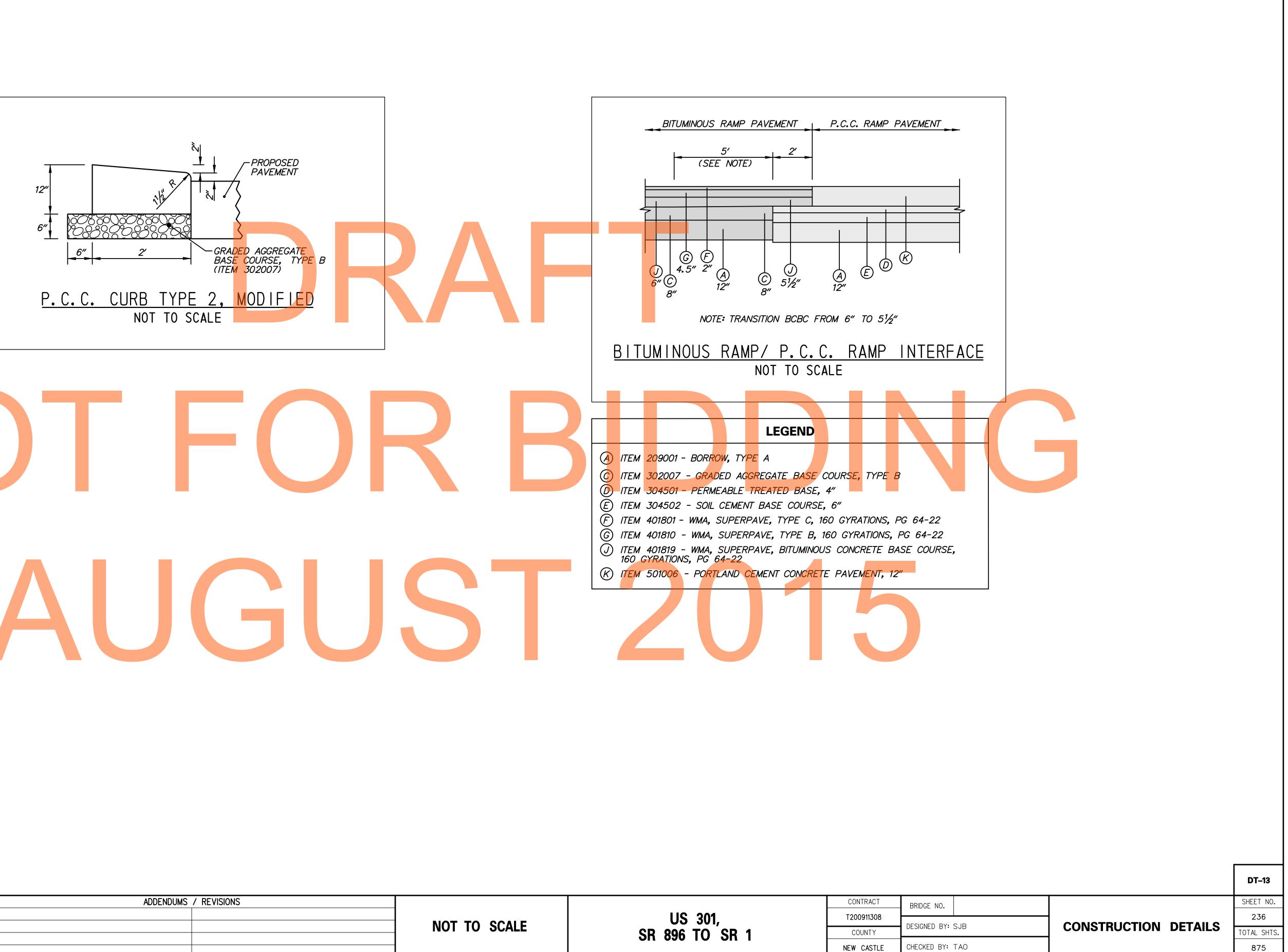
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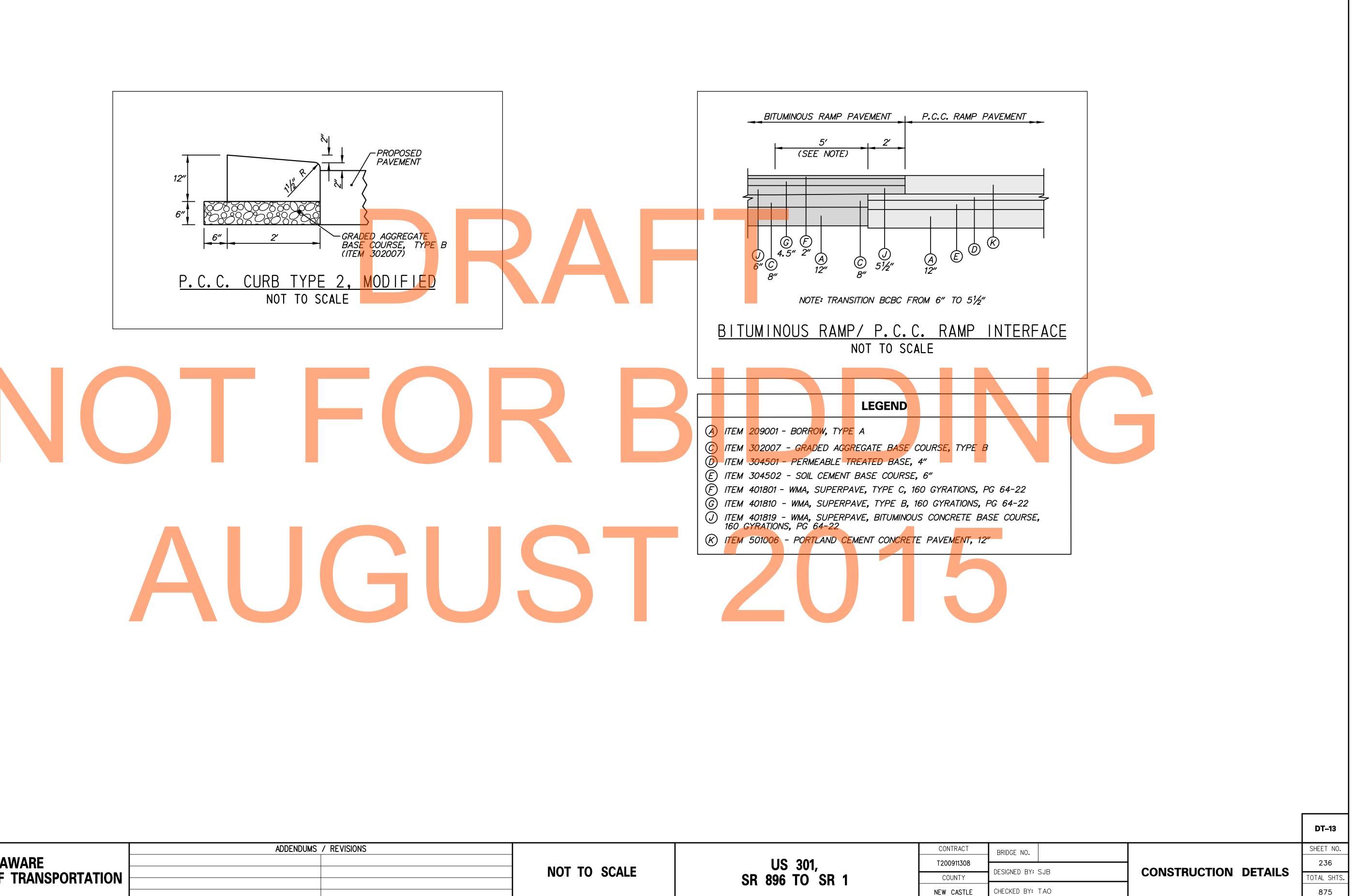
CONSTRUCTION DETAILS

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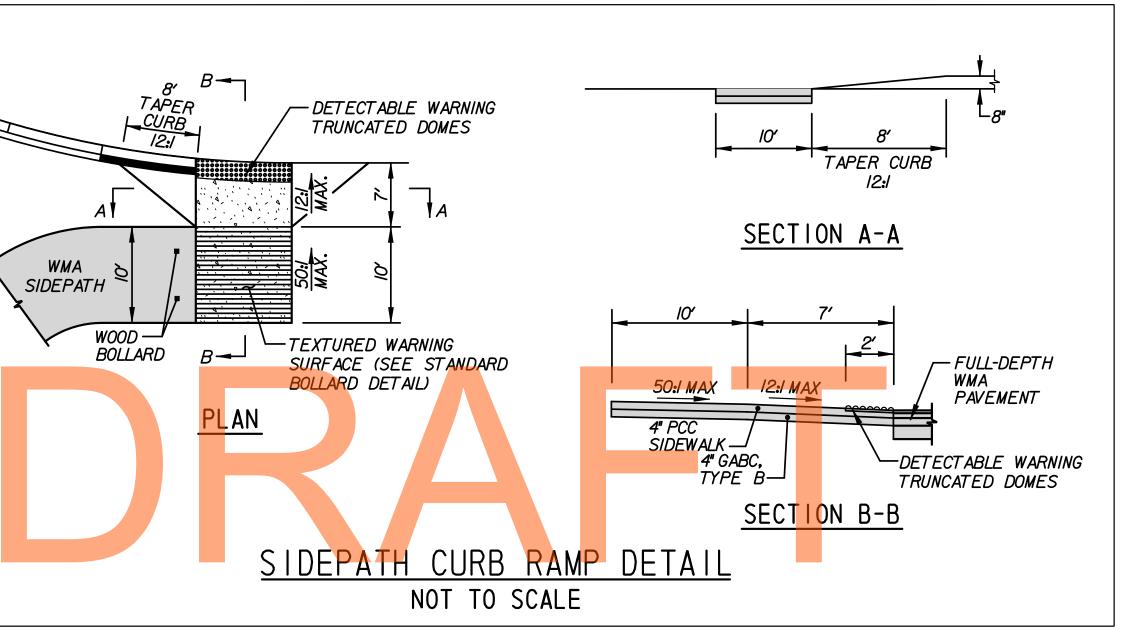
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ADDENDUMS / REVISION

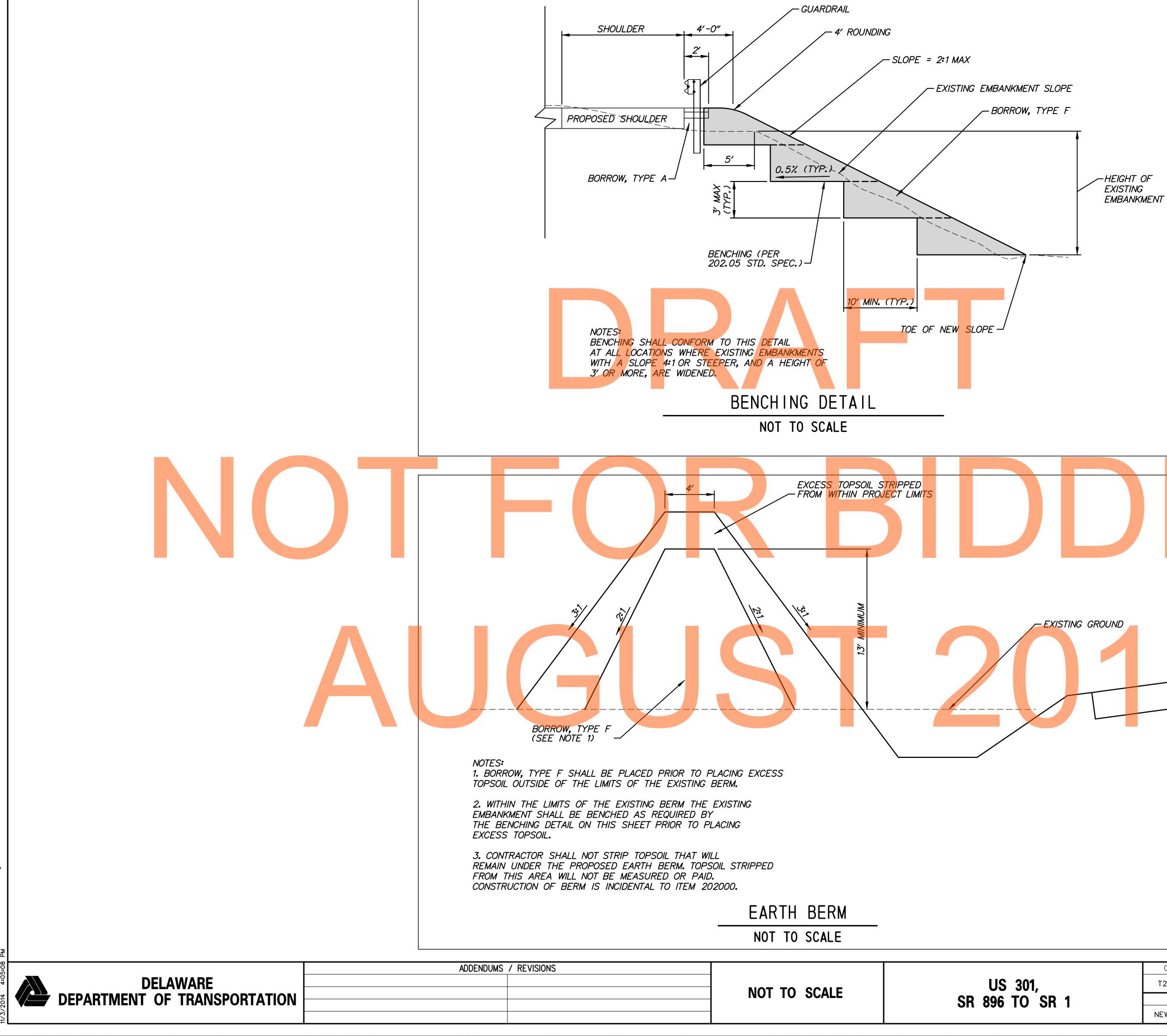


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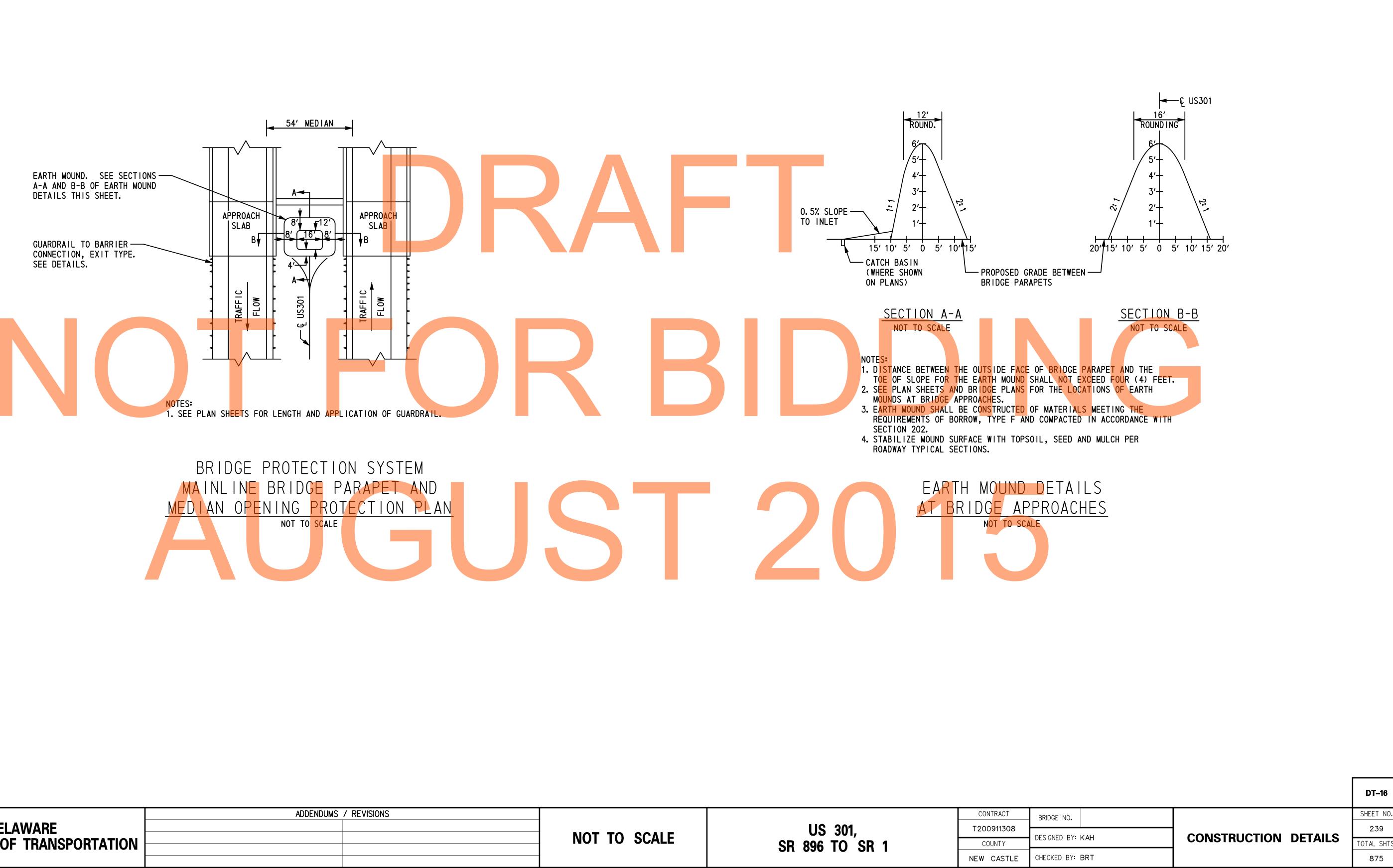


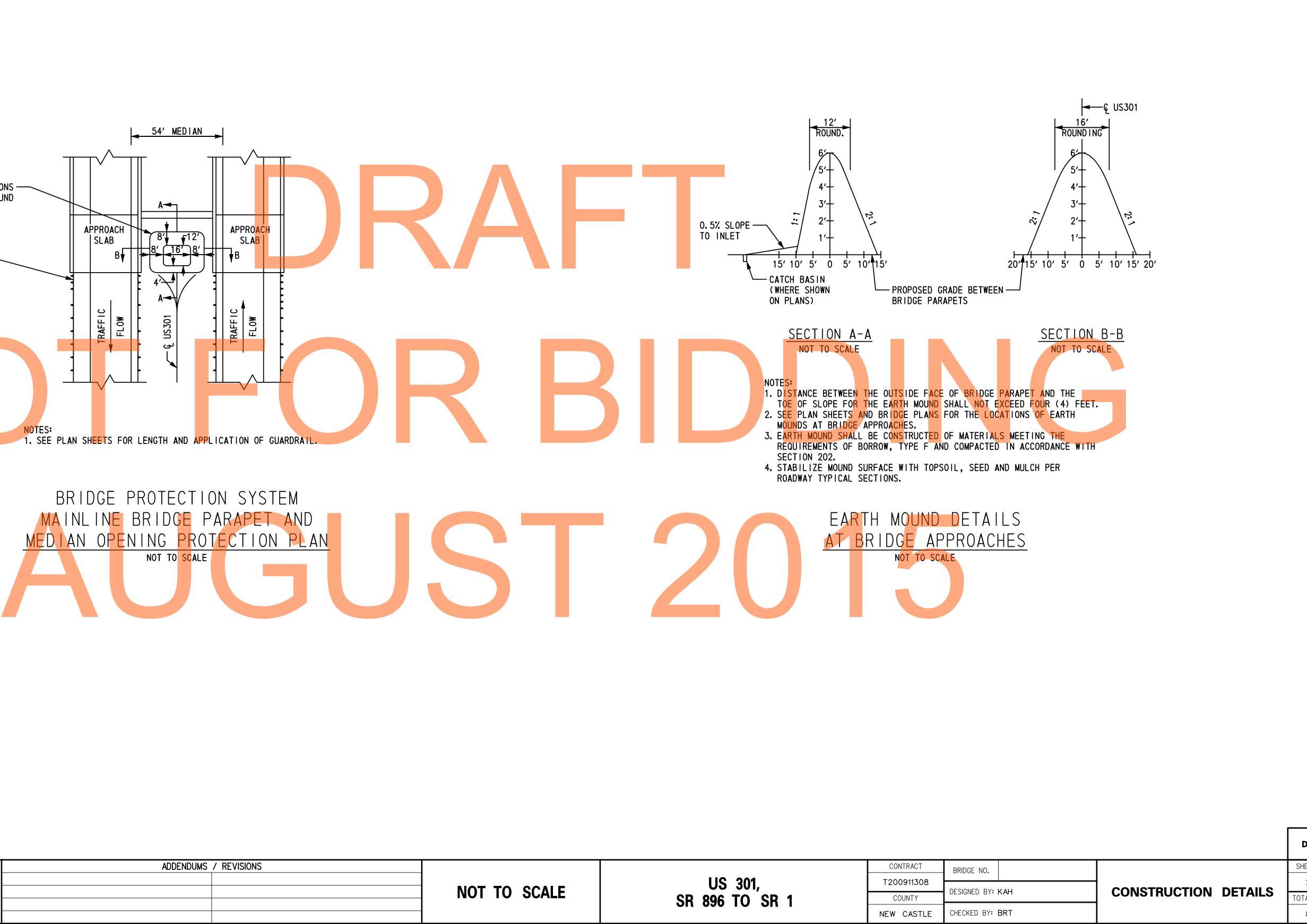
CONSTRUCTION DETAILS

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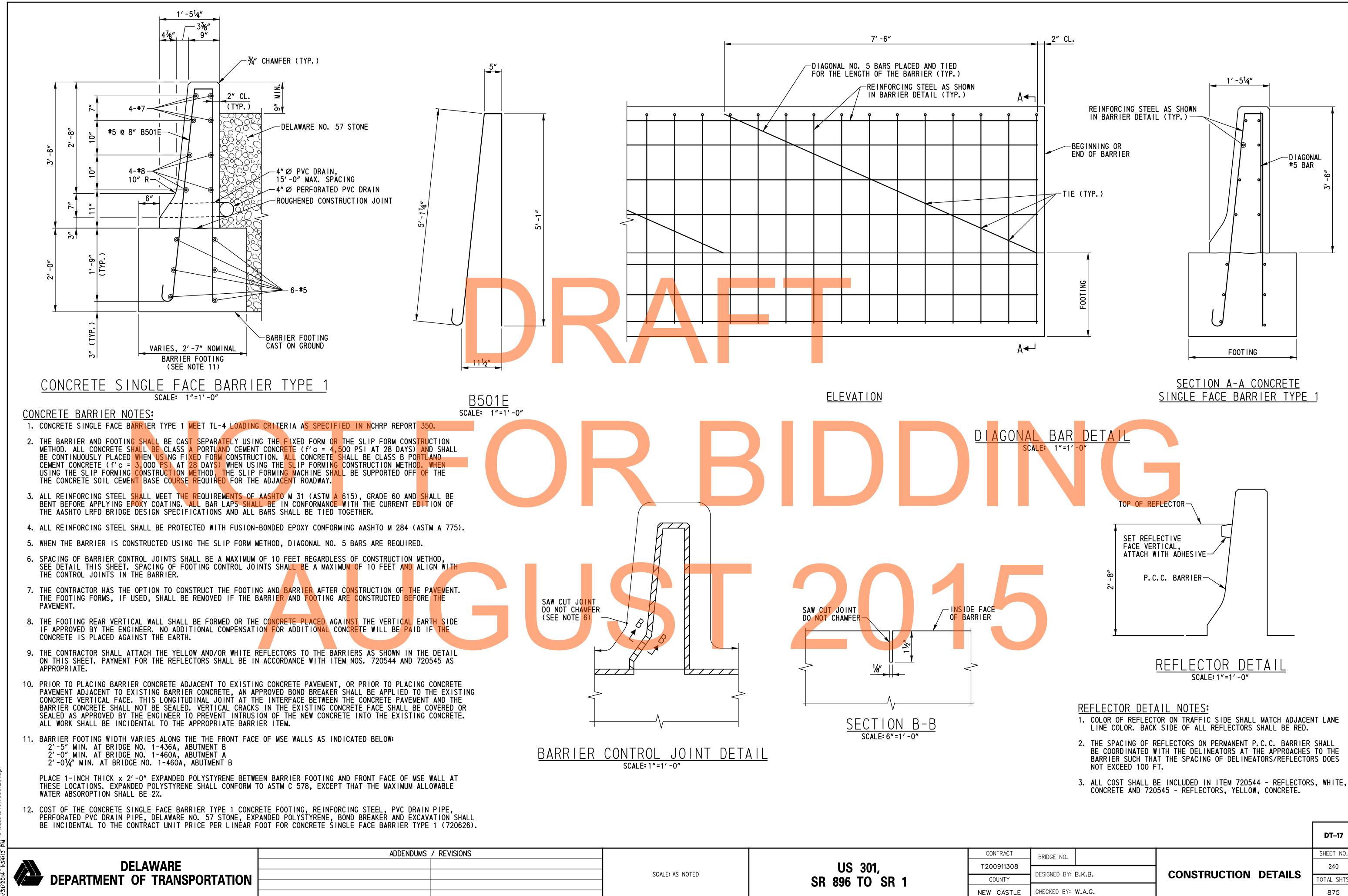
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CONTRACT	BRIDGE NO.			SHEET NO.
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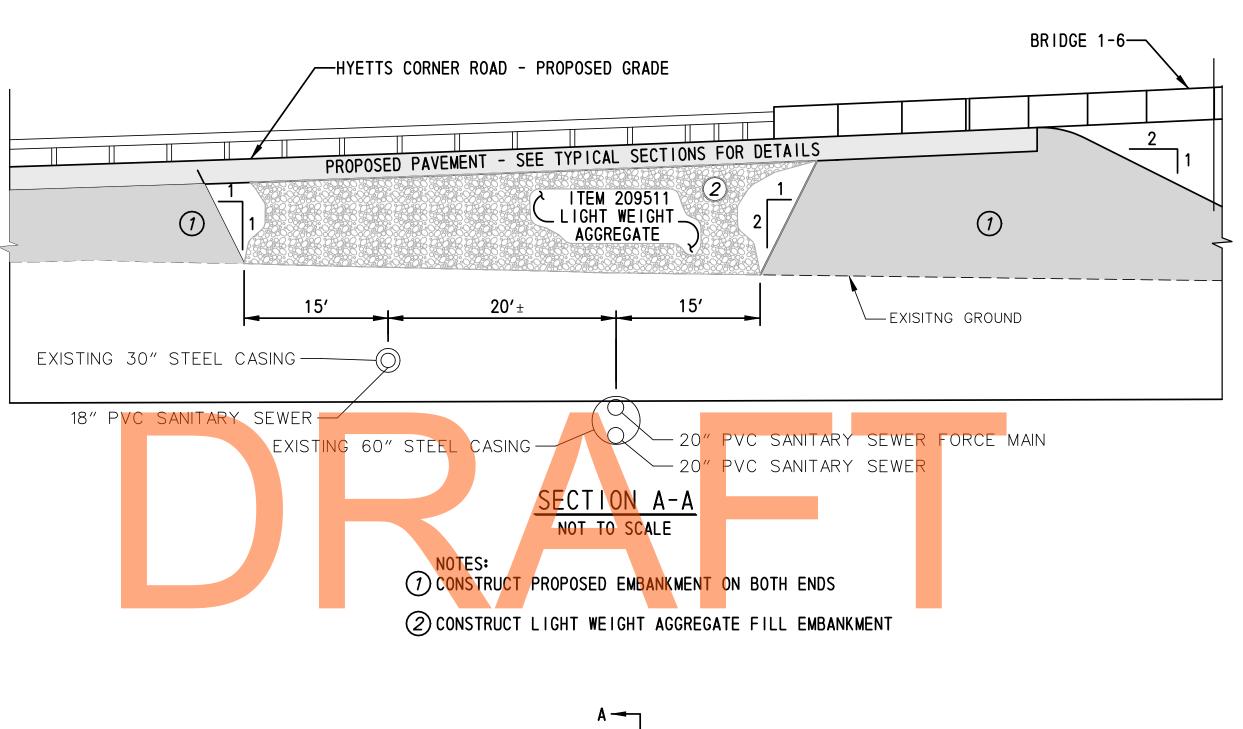


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ADDENDUMS / REVISIONS

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		CASING (NCC SANITARY SEWER) A-J ELEVATION - STA. 908+				
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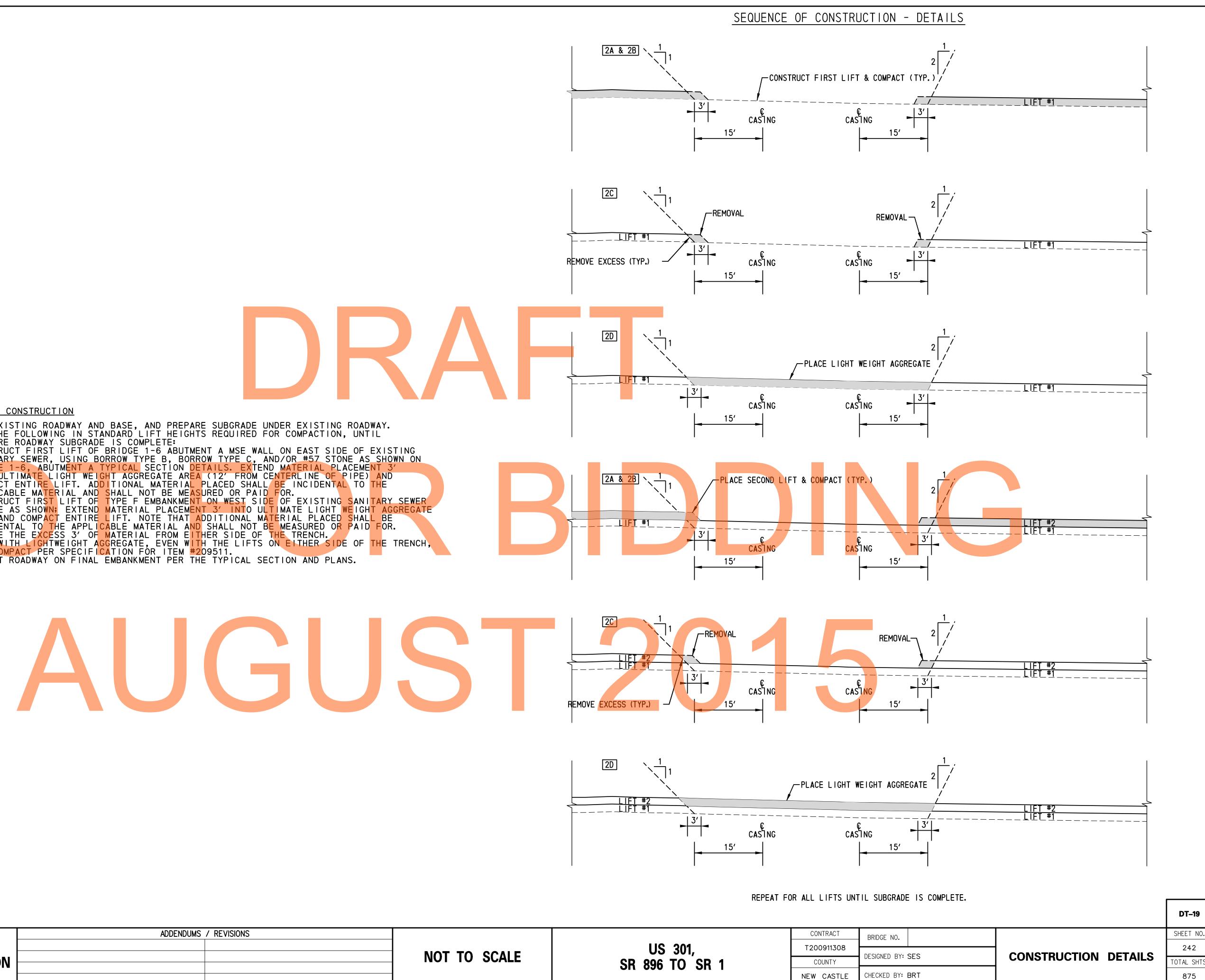
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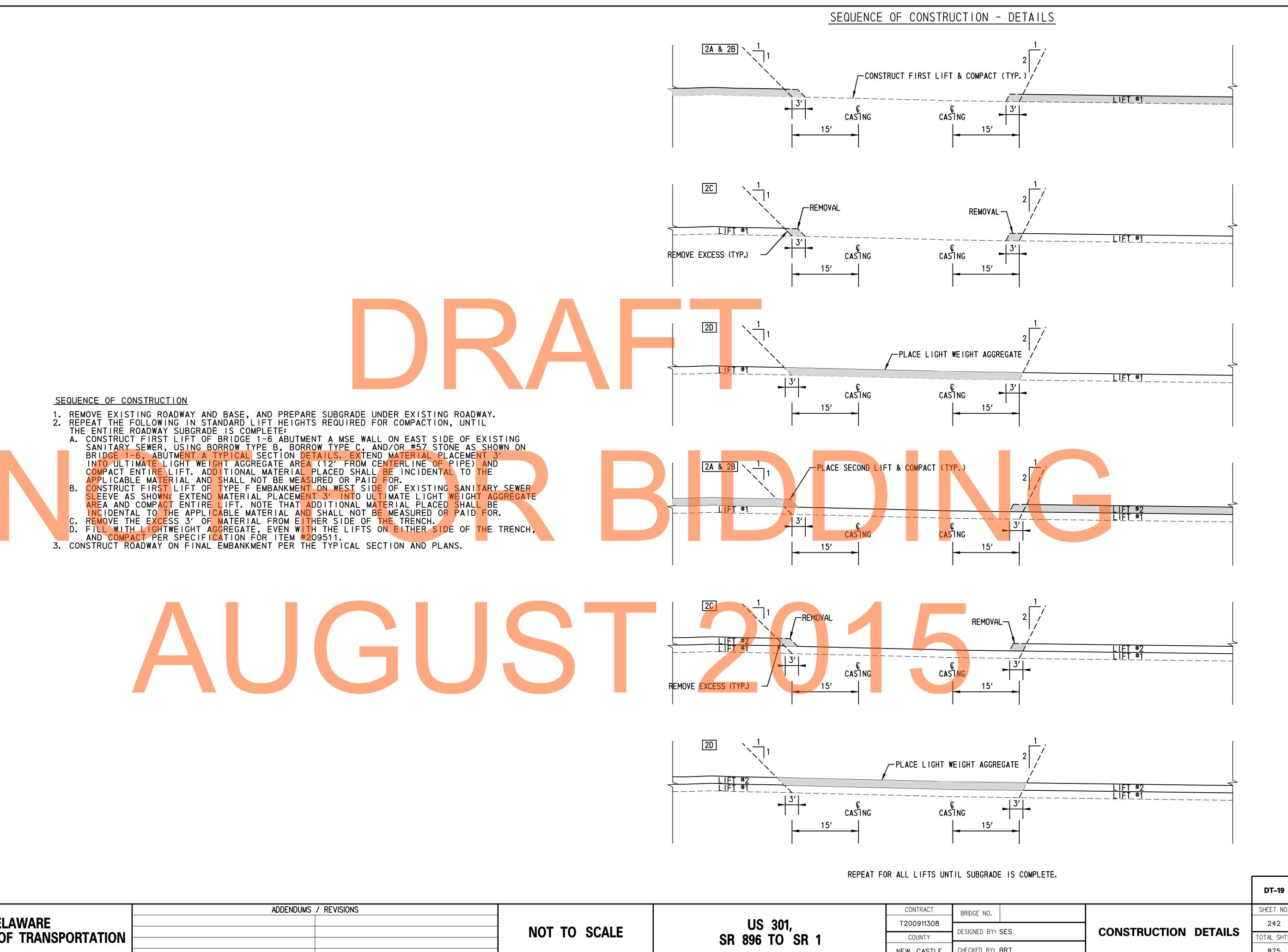


CONSTRUCTION DETAILS

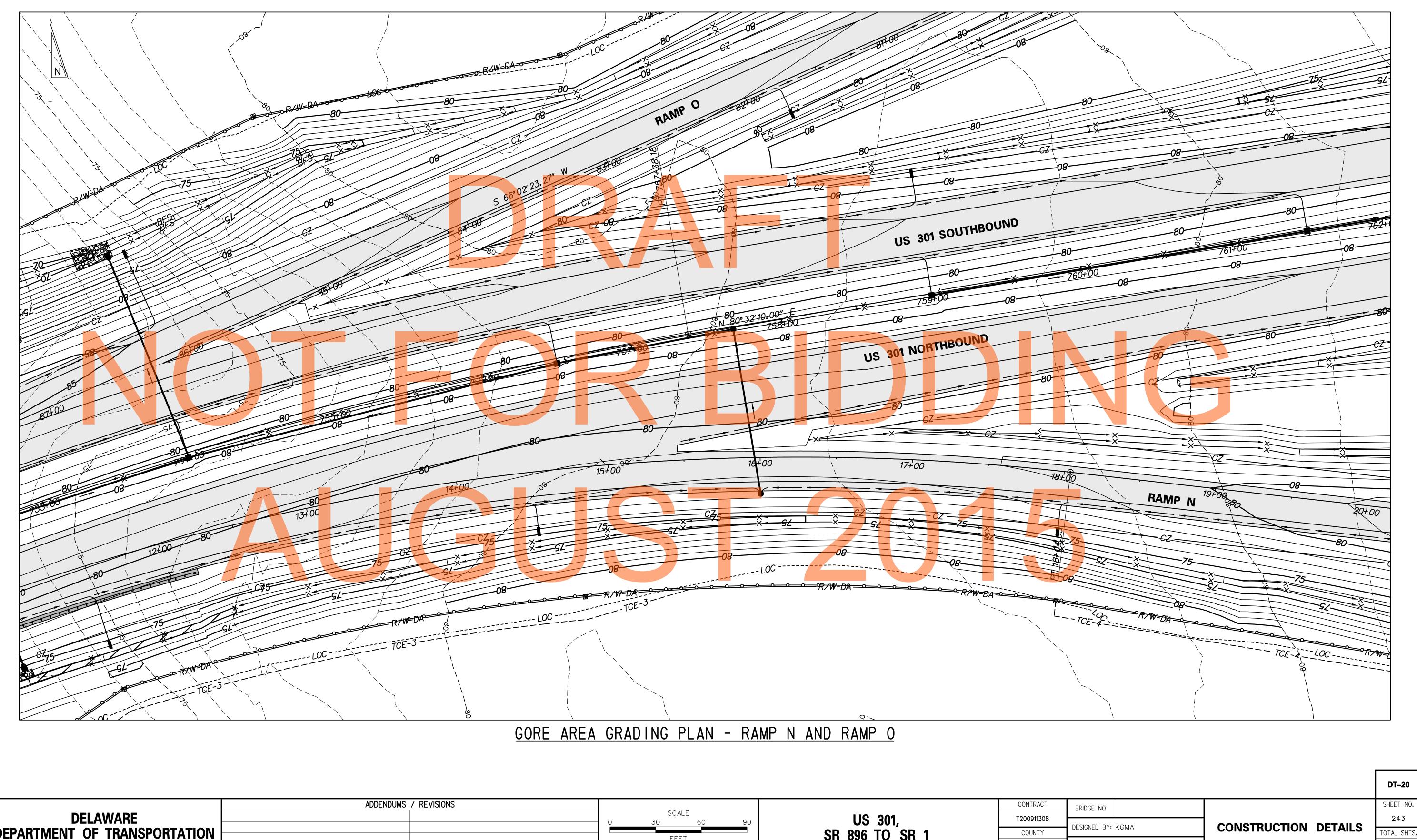
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DELAWARE DEPARTMENT OF TRANSPORTATION

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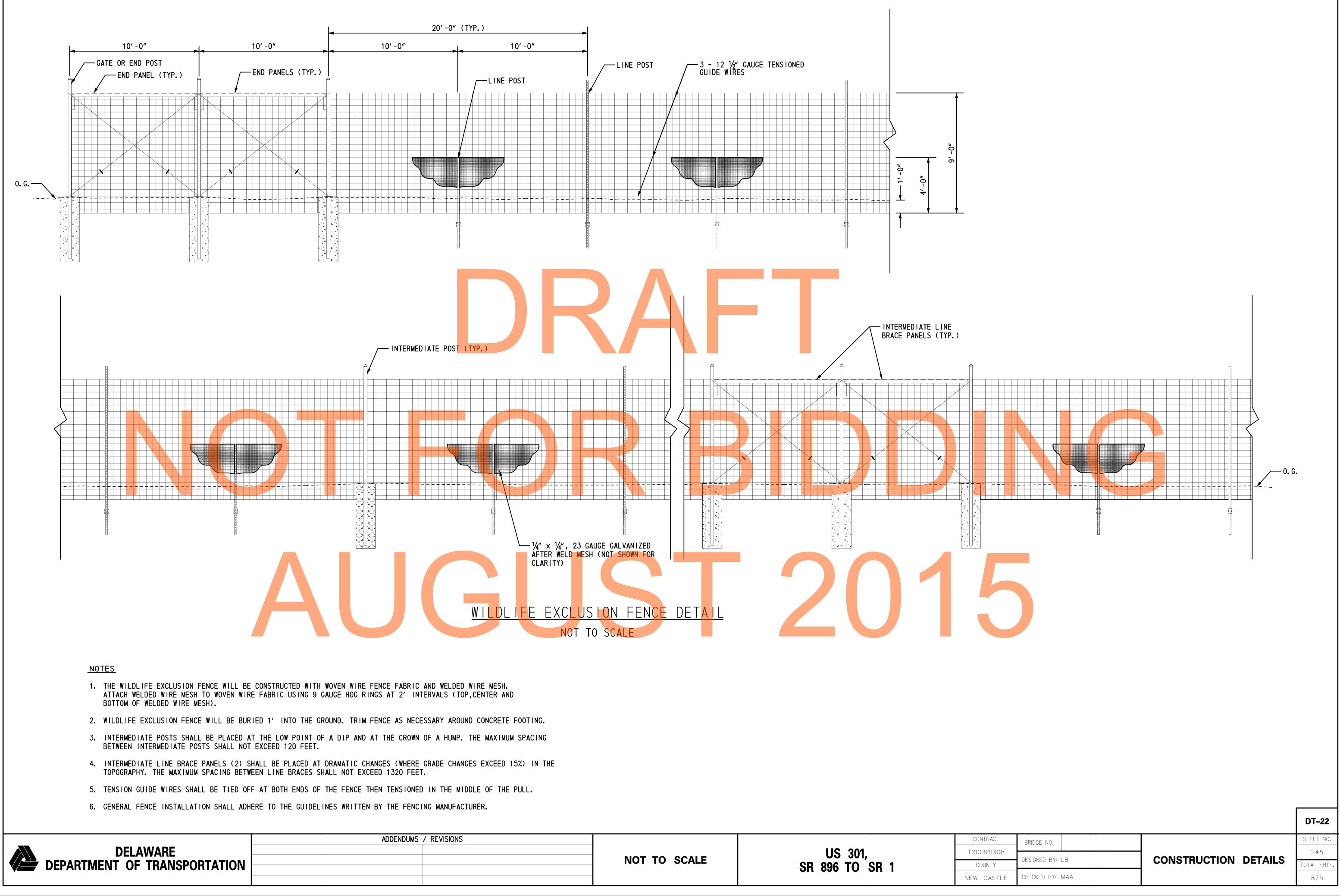
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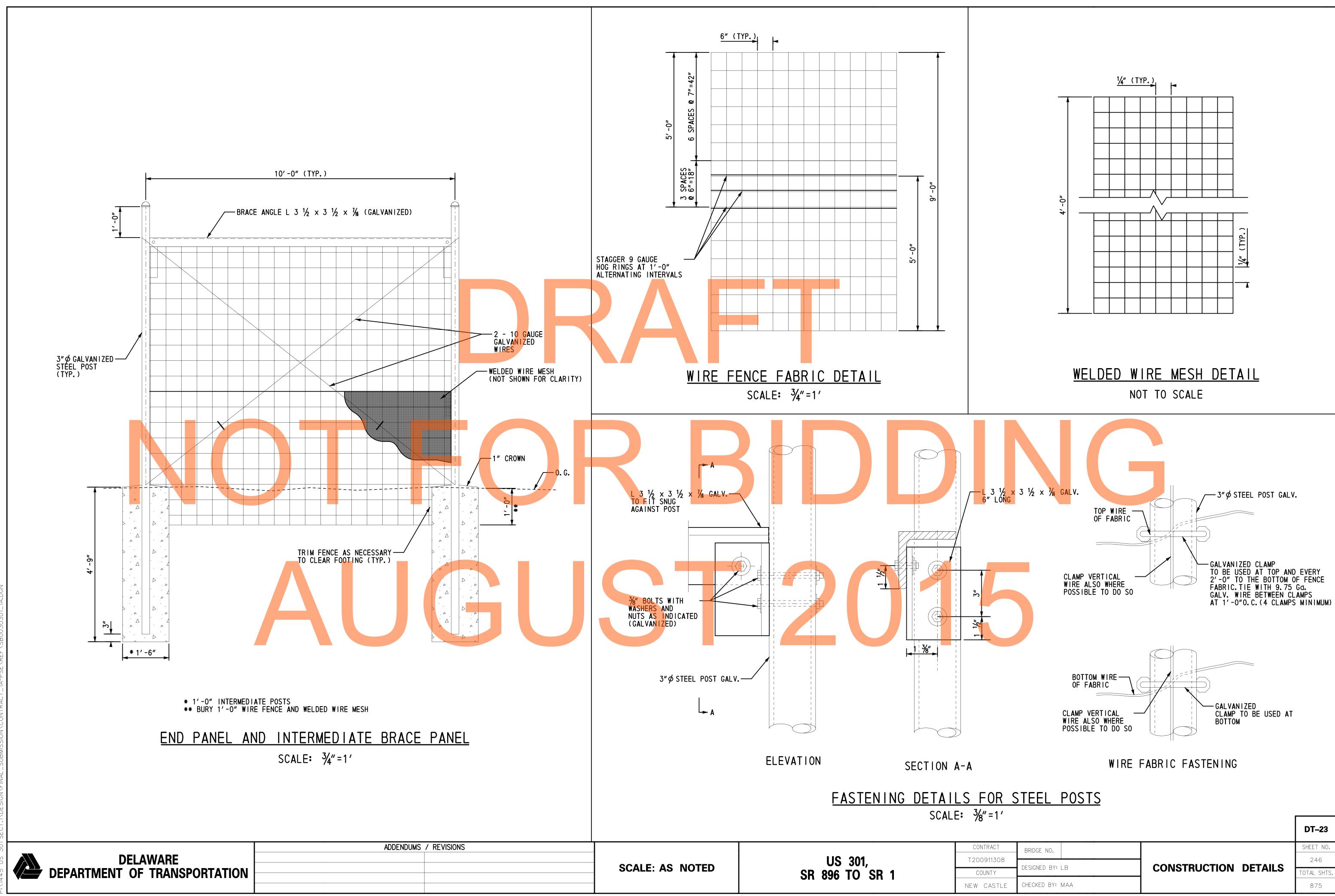
DELAWARE DEPARTMENT OF TRANSPORTATION ADDENDUMS / REVISIONS

						DT-21
5			CONTRACT	BRIDGE NO.		SHEET NO.
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			COUNTY	DESIGNED BY: KGMA	CONSTRUCTION DETAILS	TOTAL SHTS
			NEW CASTLE	CHECKED BY: TAO		875



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