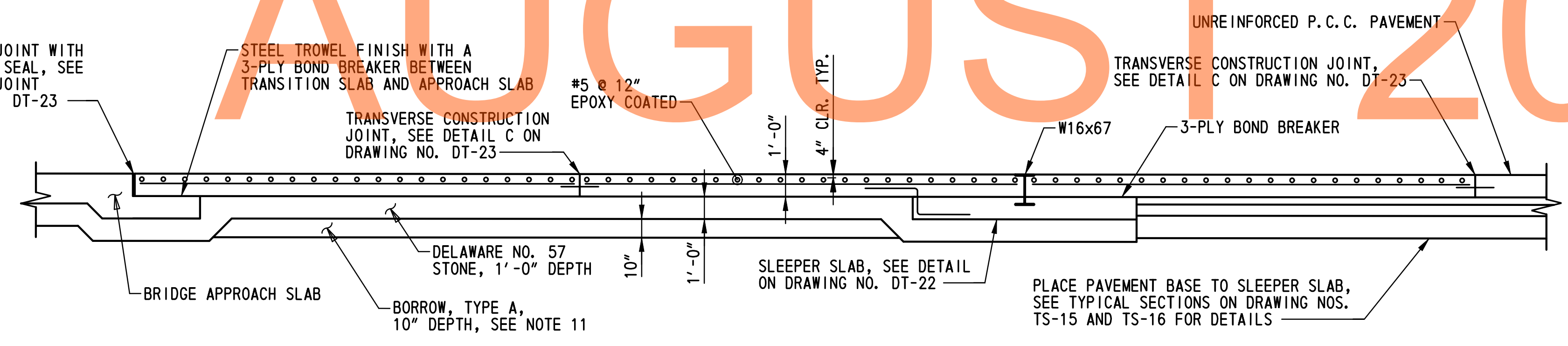


NORTH TRANSITION SLABS PLAN
SCALE: 1/4" = 1'-0"

1" PREFORMED CORK EXPANSION JOINT WITH SELF-LEVELING SILICONE JOINT SEAL, SEE LONGITUDINAL PREFORMED CORK JOINT SEALANT DETAIL ON DRAWING NO. DT-23



SECTION A-A
SCALE: 1/4" = 1'-0"

NOTES:

1. CONCRETE FOR TRANSITION SLABS SHALL BE CLASS A (F'c = 4.5 KSI). MIX REQUIREMENTS SHALL CONFORM TO SECTION 812 OF THE STANDARD SPECIFICATIONS.
2. REINFORCING STEEL SHALL CONFORM TO AASHTO M31, GRADE 60, AND BE EPOXY COATED. REINFORCING STEEL SHALL HAVE A CLEAR COVER OF 3" UNLESS OTHERWISE SPECIFIED.
3. TRANSITION SLAB, SLEEPER SLAB, STEEL W SECTION, EXPANSION MATERIAL, SAW CUT JOINTS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED FOR PAYMENT UNDER PRICE BID FOR ITEM 602009 PORTLAND CEMENT CONCRETE MASONRY, APPROACH SLAB, CLASS A.
4. REINFORCEMENT BARS SHALL BE PAID FOR UNDER ITEM 604000 BAR REINFORCEMENT, EPOXY COATED. SMOOTH STEEL DOWELS IN TRANSVERSE CONSTRUCTION JOINTS SHALL BE PAID FOR UNDER ITEM 602009 PORTLAND CEMENT CONCRETE MASONRY, APPROACH SLAB, CLASS A.
5. BARS TS504E SHALL BE LOCATED 1'-0" FROM ALL TRANSVERSE JOINTS. DOWEL BARS USED ALONG TRANSVERSE CONSTRUCTION JOINTS SHALL BE LOCATED 6" FROM ALL LONGITUDINAL JOINTS.
6. ALL DIMENSIONS AFFECTED BY THE GEOMETRICS, AND/OR LOCATION OF THE EXISTING STRUCTURE SHALL BE CHECKED IN THE FIELD BY THE CONTRACTOR BEFORE ANY CONSTRUCTION IS STARTED AND BEFORE ANY REINFORCING STEEL, ETC. IS ORDERED OR FABRICATED. IF THE GEOMETRICS DIFFER FROM THAT SHOWN ON THE PLANS, THE ENGINEER SHALL BE CONTACTED FOR EVALUATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY THE ENGINEER WITH ALL DIMENSIONS REQUIRED TO CHECK DETAIL DRAWINGS.
7. EMBEDDED W16x67 SECTION SHALL BE ASTM A36 STEEL AND THE ENTIRE BEAM SHALL BE FUSION BONDED EPOXY COATED AFTER FABRICATION TO THICKNESS OF 12 MILS + 2 MILS.
8. JOINTS REQUIRED TO HAVE A SELF-LEVELING SILICONE JOINT SEAL SHALL USE DOW-CORNING 890-SL SELF LEVELING SILICONE JOINT SEALANT OR AN APPROVED EQUAL BY THE ENGINEER.
9. ALL JOINTS THAT ARE TO BE SEALED SHALL BE FREE OF CRACKED AND SPALLED CONCRETE AND SHALL BE FREE OF ALL FOREIGN MATTER, PREVIOUS SEAL MATERIAL, CURING COMPOUNDS, OILS, DUST, AND DIRT.
10. PROPOSED TRANSVERSE JOINTS SHALL BE ALIGNED WITH THE EXISTING TRANSVERSE JOINTS.
11. BORROW, TYPE A SHALL BE OBTAINED FROM BORROW SOURCES AND PAID UNDER ITEM 202000 - EXCAVATION AND EMBANKMENT.

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ADDENDUMS / REVISIONS	

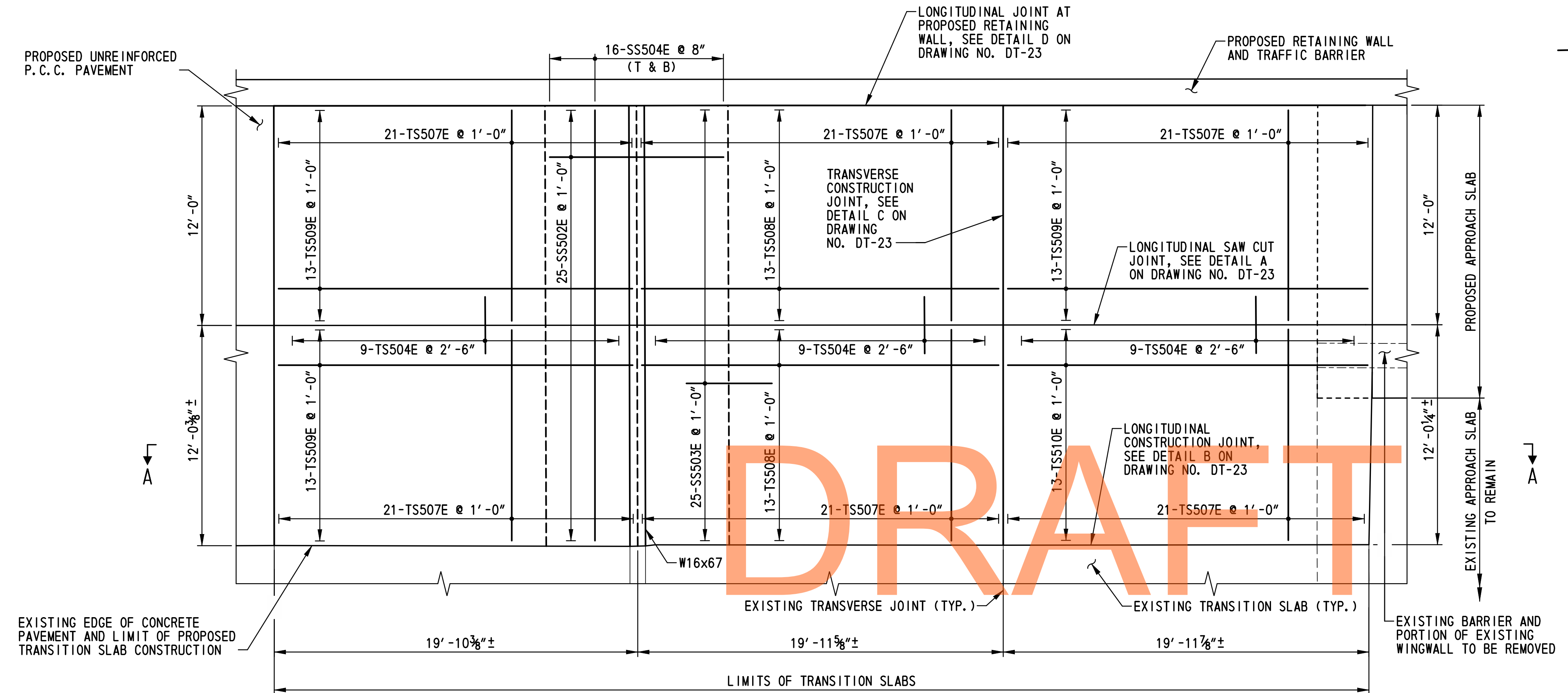
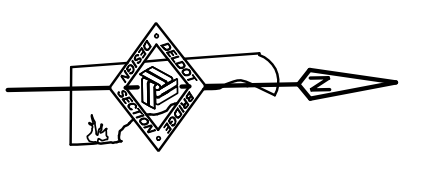
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US 301 &
SR 1 INTERCHANGE

CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: M.P.U.
NEW CASTLE	CHECKED BY: P.S.D.

TRANSITION SLAB
DETAILS - 1

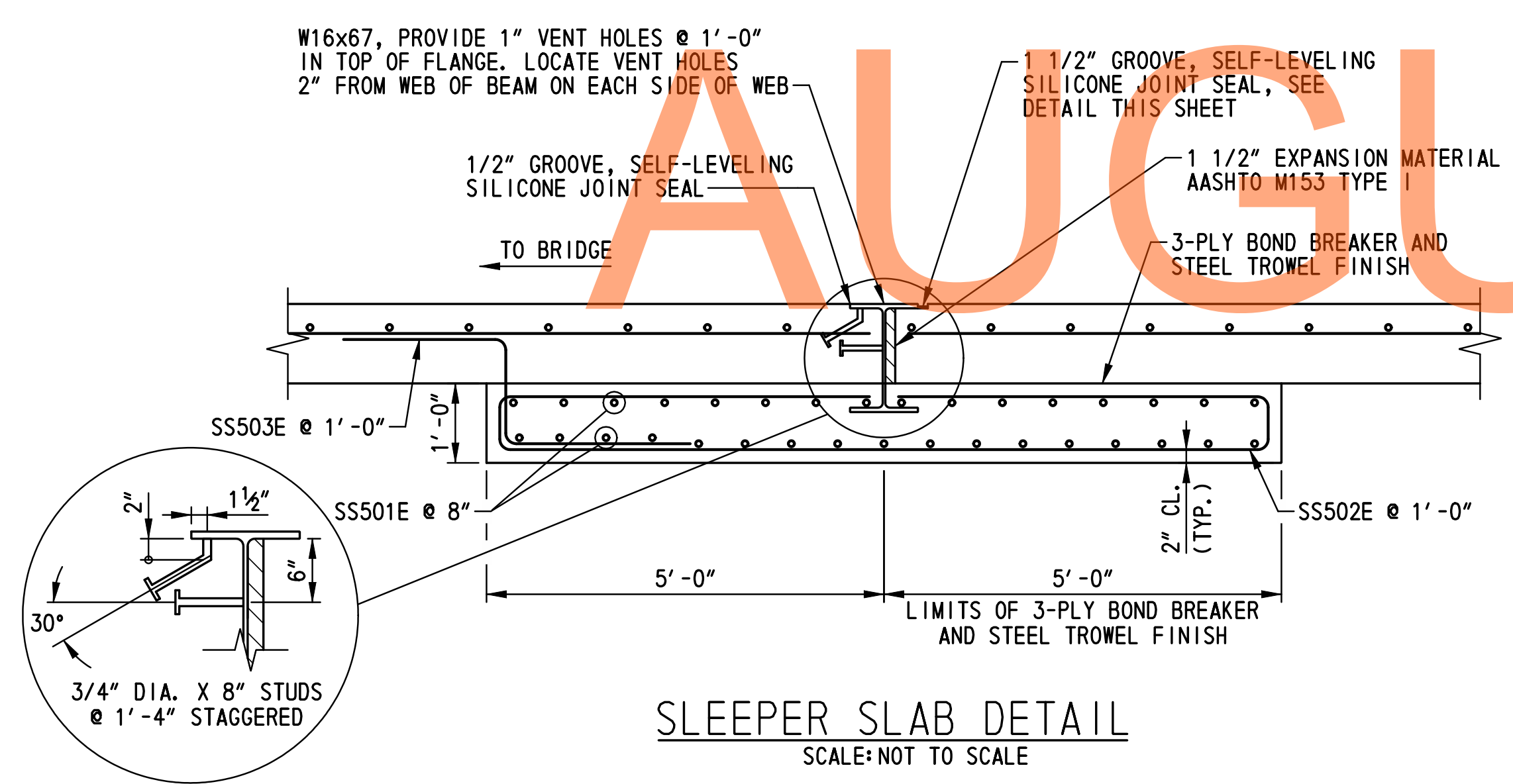
DT-21
SHEET NO.
104
TOTAL SHTS.
491



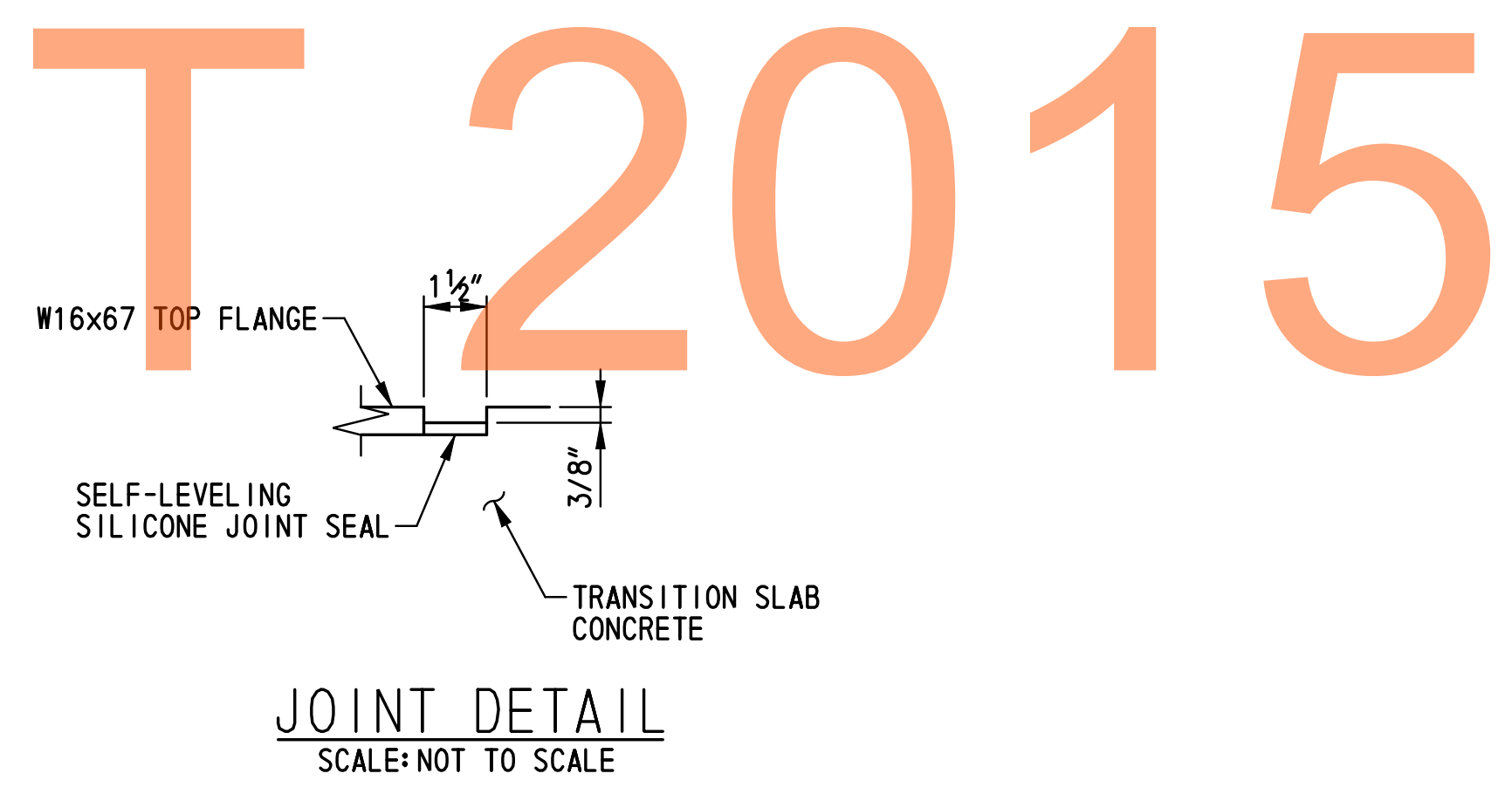
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SOUTH TRANSITION SLABS PLAN
SCALE: 1/4" = 1'-0"



SLEEPER SLAB DETAIL
SCALE: NOT TO SCALE



JOINT DETAIL
SCALE: NOT TO SCALE

NOTE:
SEE NOTES ON DRAWING DT-21.

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ADDENDUMS / REVISIONS	

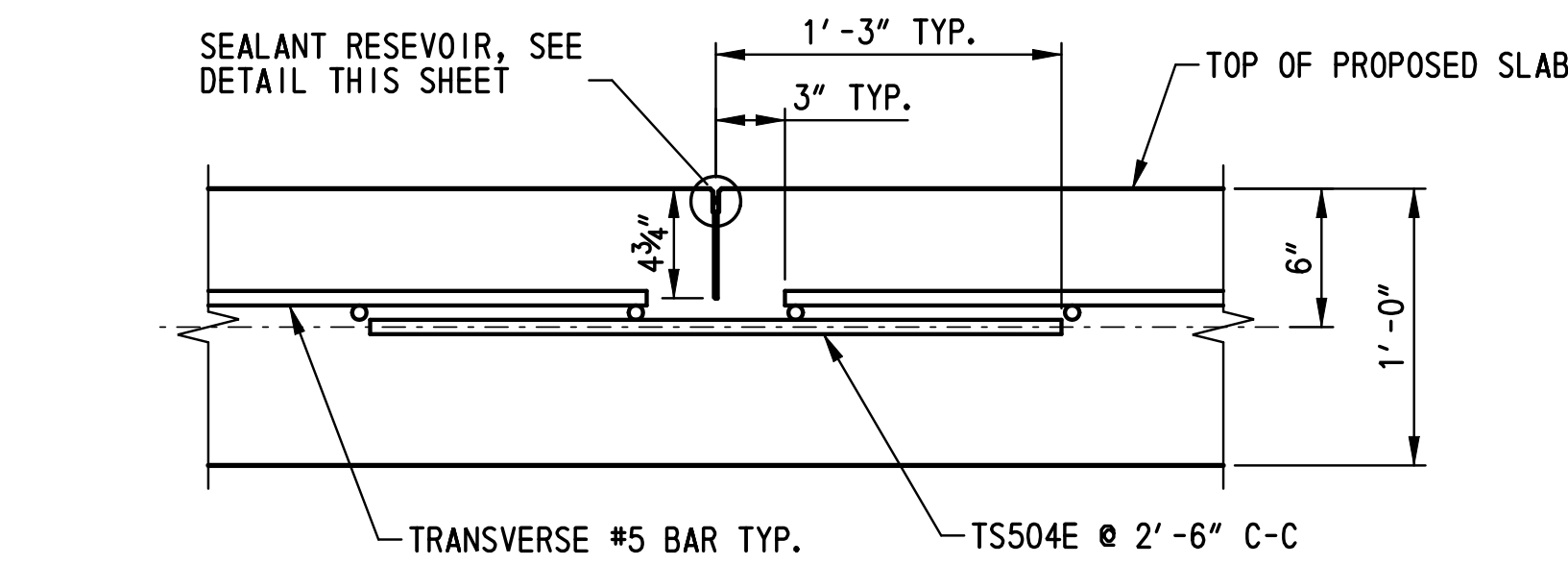
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US 301 &
SR 1 INTERCHANGE

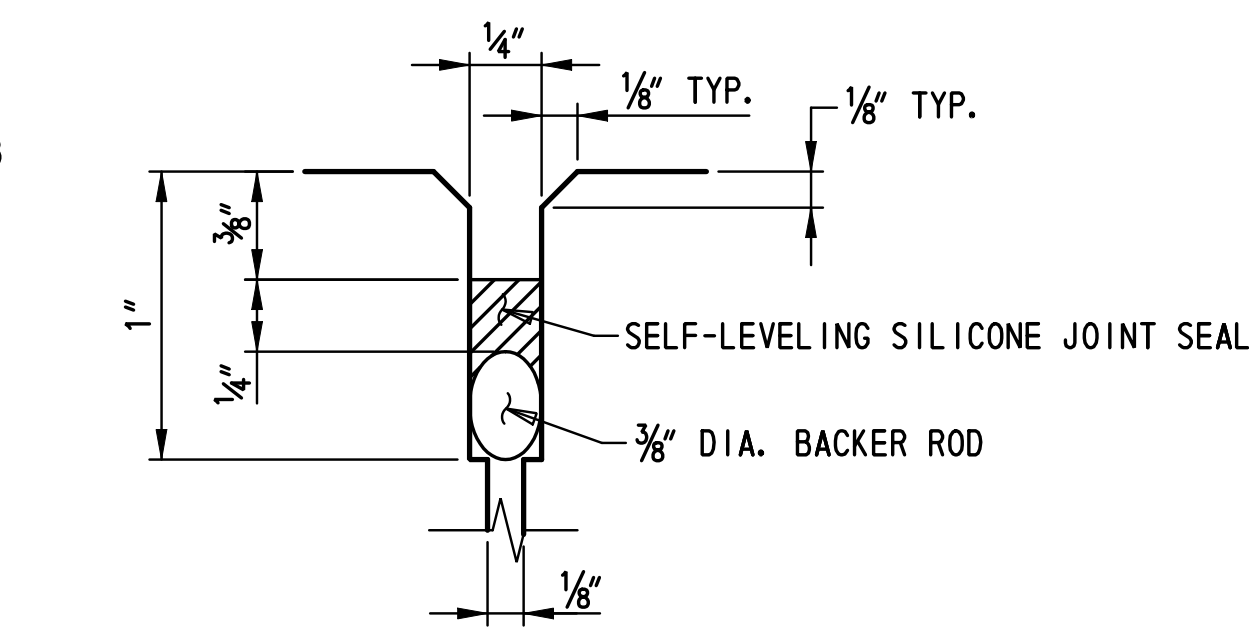
CONTRACT T200911302	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: M.P.U.
	CHECKED BY: P.S.D.

TRANSITION SLAB
DETAILS - 2

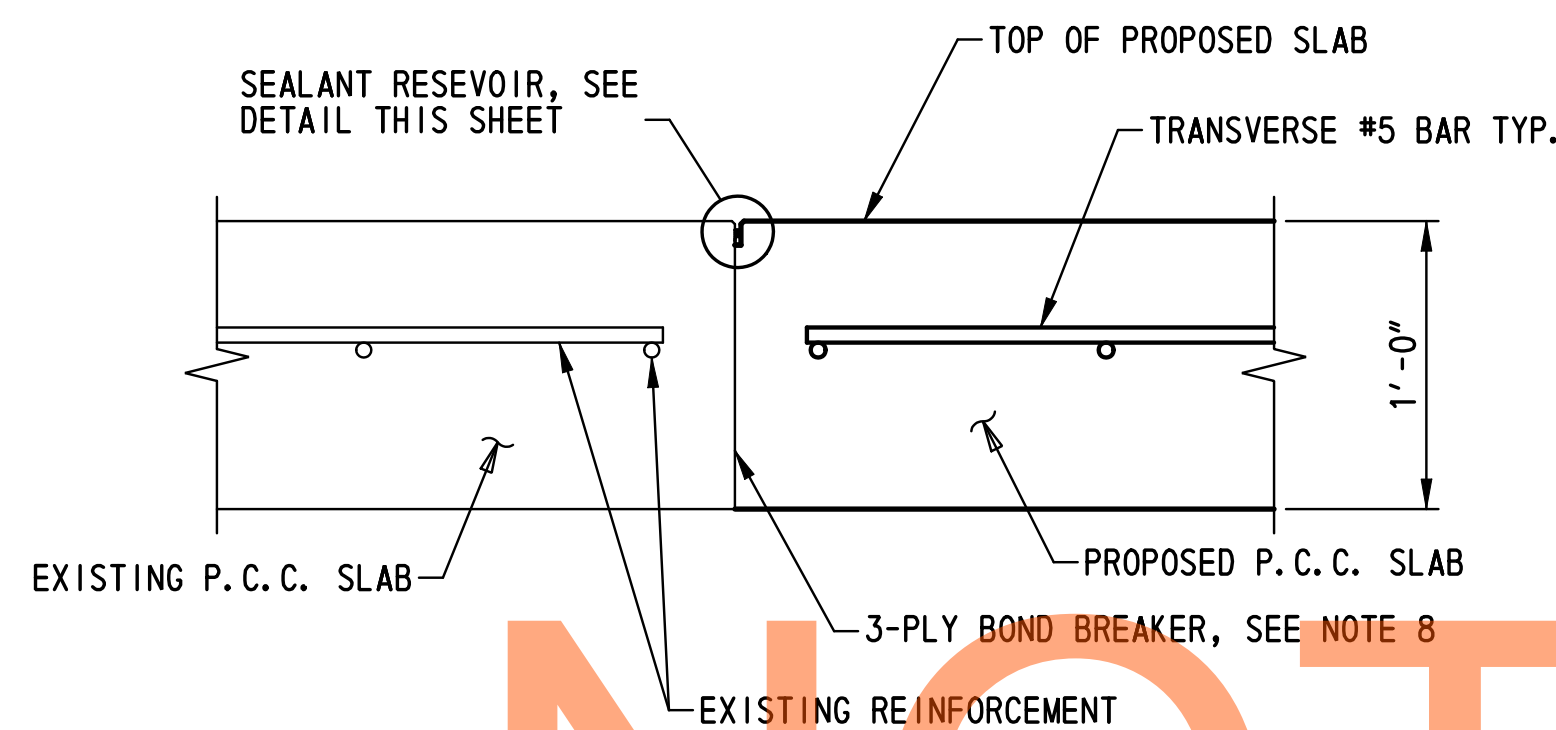
DT-22
SHEET NO.
105
TOTAL SHTS.
491



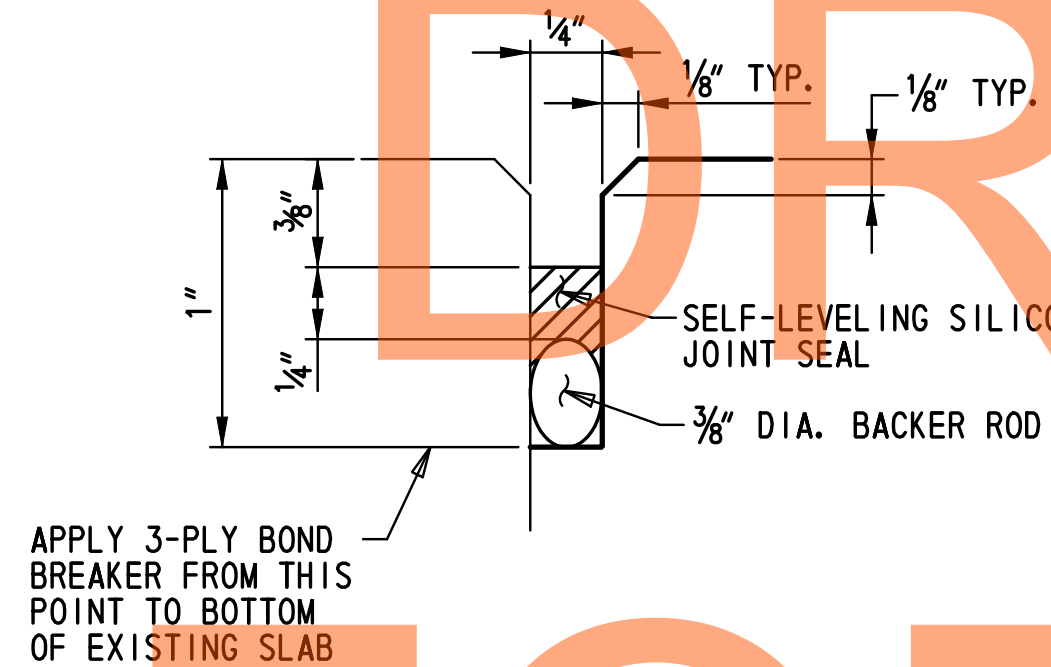
DETAIL A - LONGITUDINAL SAW CUT JOINT
SCALE: 1 1/2" = 1'-0"



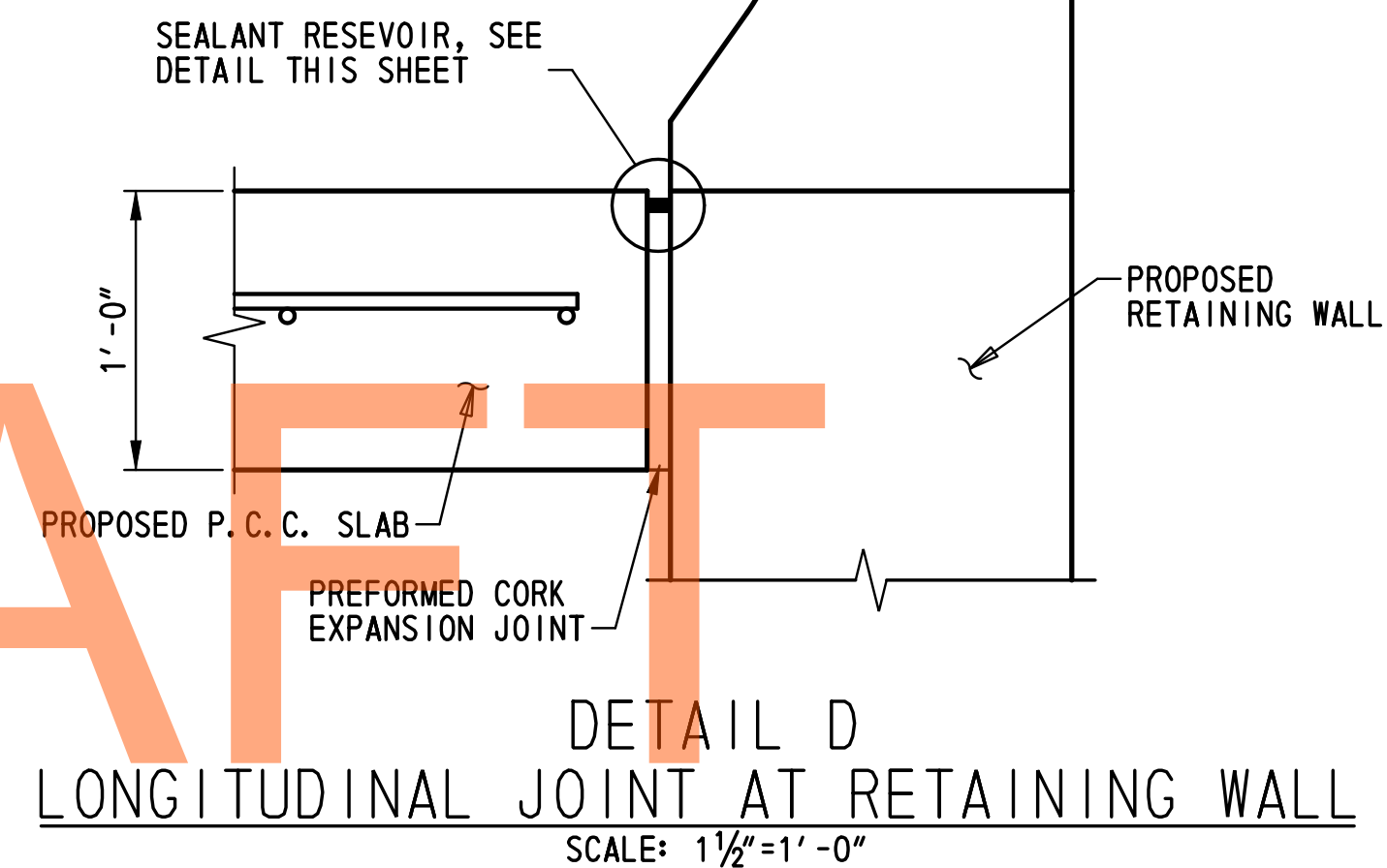
SEALANT DETAIL
LONGITUDINAL SAW CUT JOINT
SCALE: NOT TO SCALE



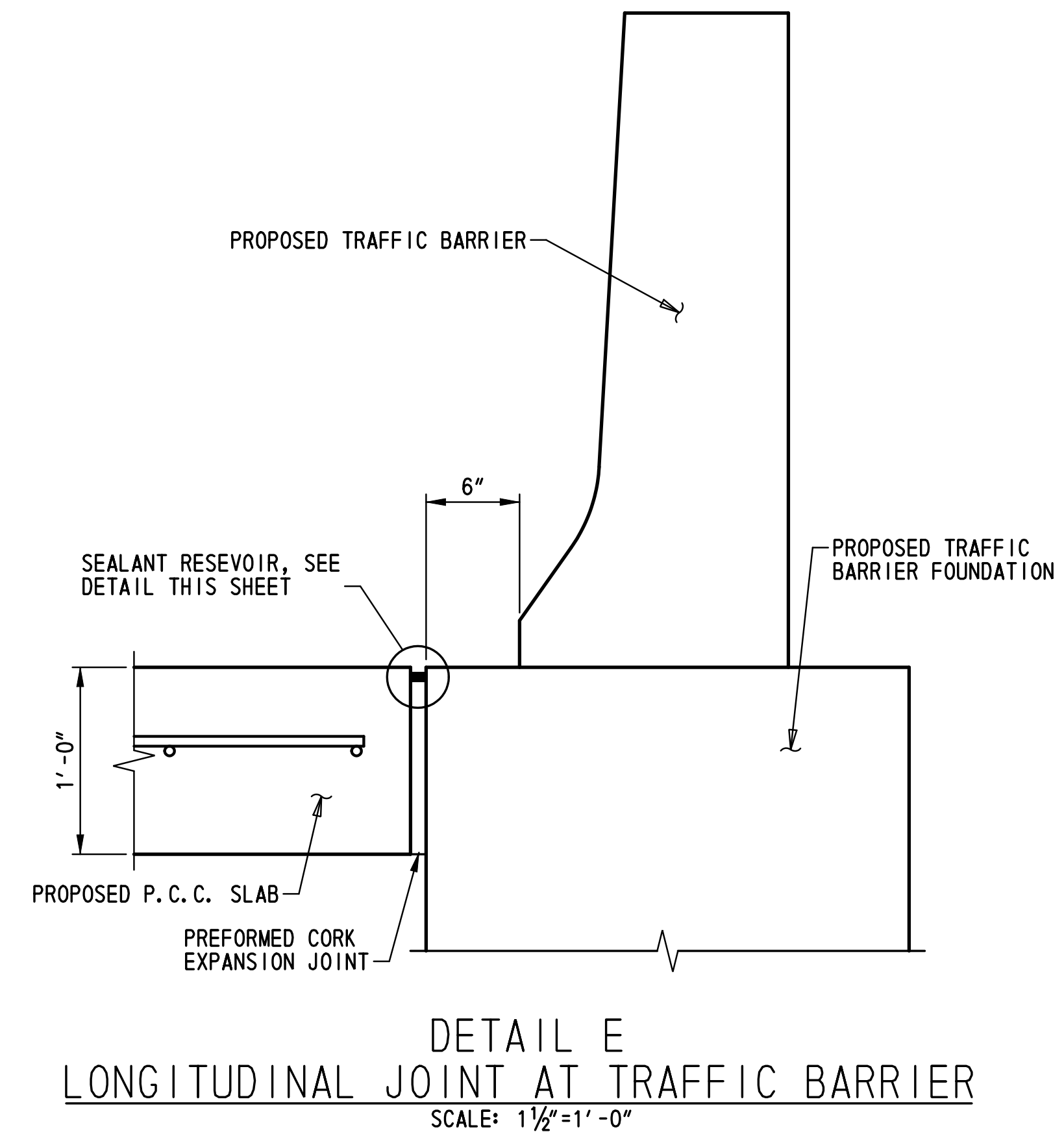
DETAIL B - LONGITUDINAL CONSTRUCTION JOINT
SCALE: 1 1/2" = 1'-0"



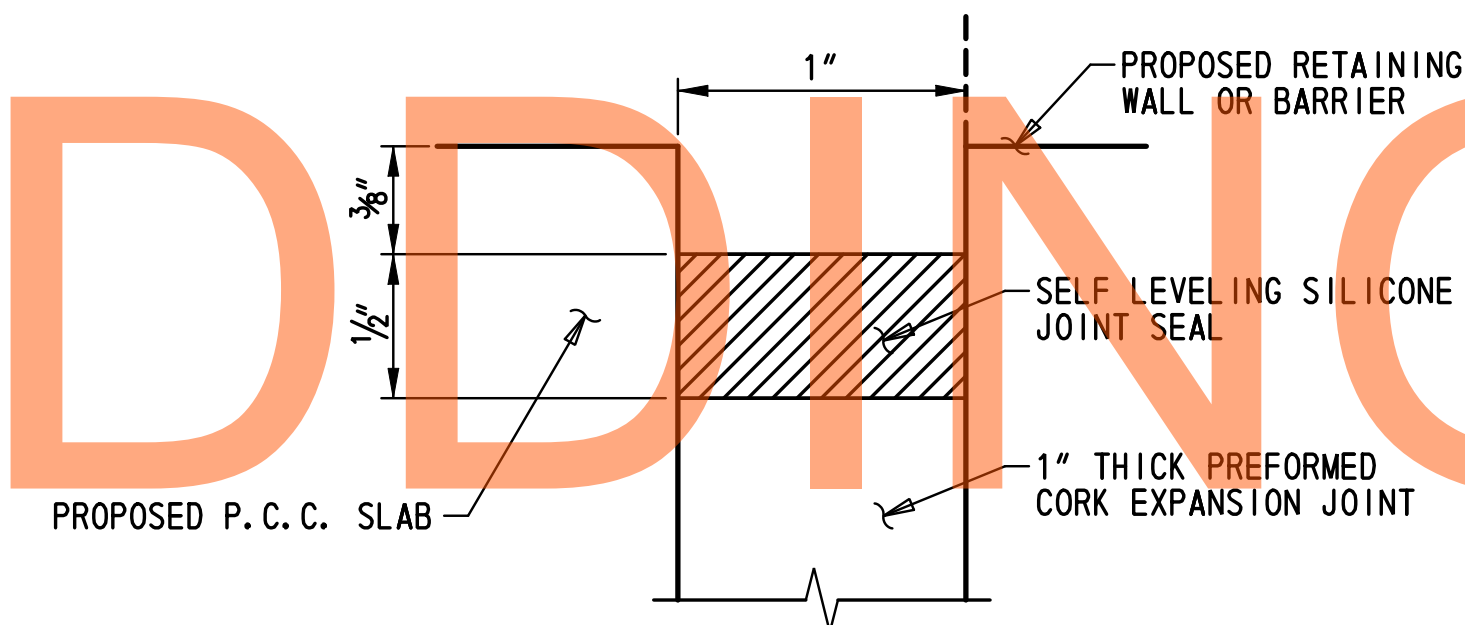
SEALANT DETAIL
LONGITUDINAL CONSTRUCTION JOINT
SCALE: NOT TO SCALE



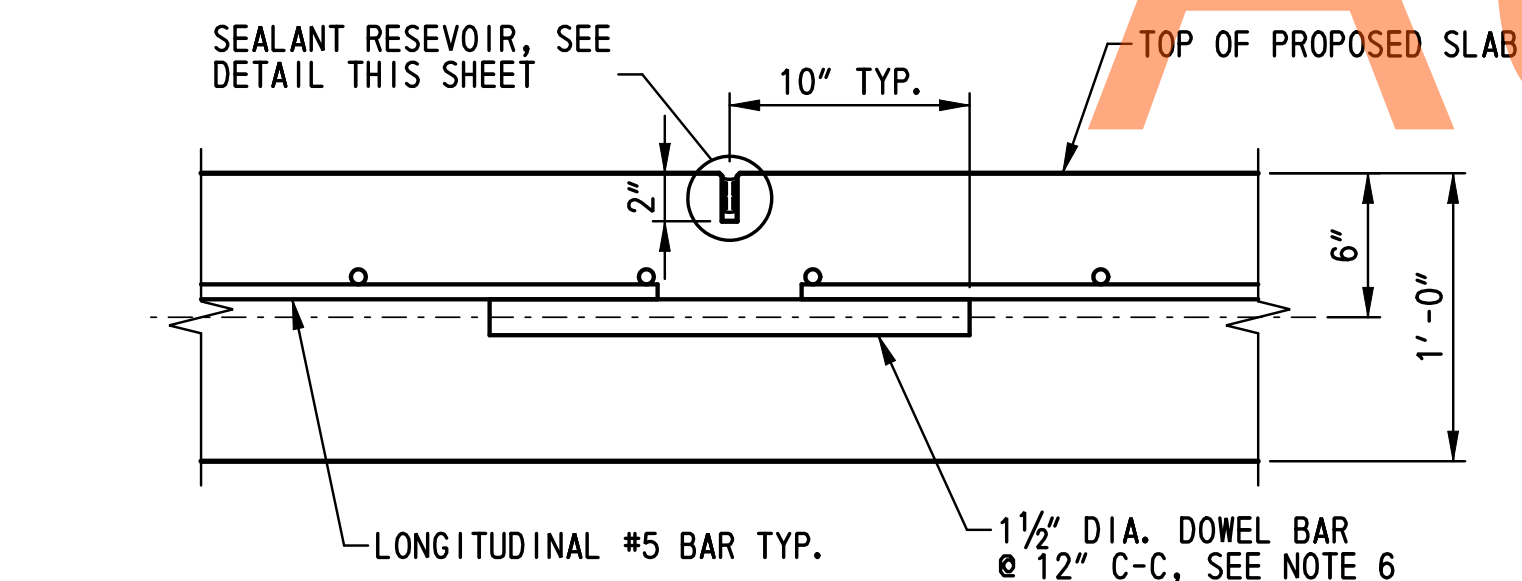
DETAIL D
LONGITUDINAL JOINT AT RETAINING WALL
SCALE: 1 1/2" = 1'-0"



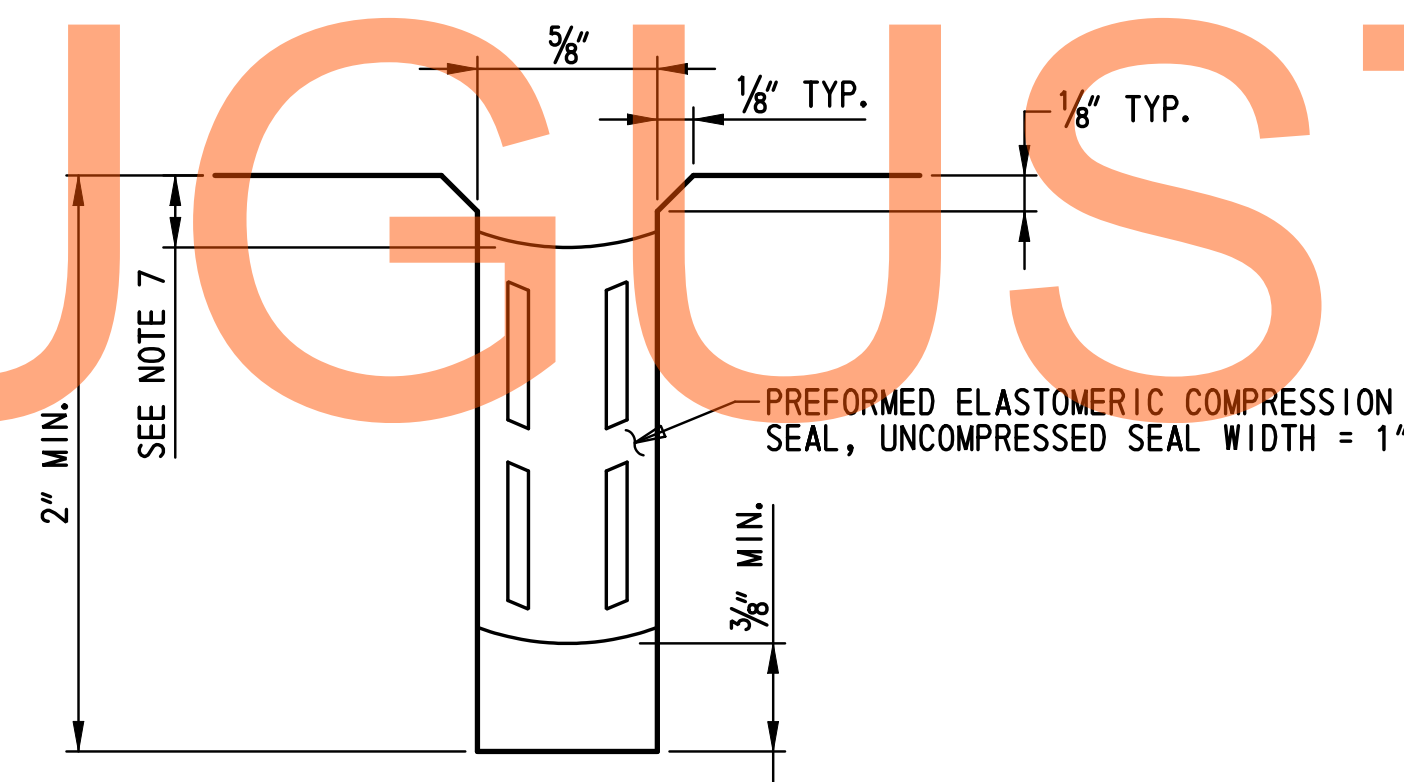
DETAIL E
LONGITUDINAL JOINT AT TRAFFIC BARRIER
SCALE: 1 1/2" = 1'-0"



SEALANT DETAIL
LONGITUDINAL PREFORMED CORK JOINT
SCALE: NOT TO SCALE



DETAIL C - TRANSVERSE CONSTRUCTION JOINT
SCALE: 1 1/2" = 1'-0"



SEALANT DETAIL
TRANSVERSE CONSTRUCTION JOINT
SCALE: NOT TO SCALE

NOTES:

1. TOLERANCE ON ALL JOINT SEALANT DETAIL DIMENSIONS SHOWN WITHOUT RANGES SHALL BE PLUS 1/8", MINUS 0".
2. AS DIMENSIONED, THE WIDTH OF THE TRANSVERSE SEALANT RESEVOIR IS APPLICABLE WHEN THE PAVEMENT IS BETWEEN 60°F (16°C) AND 80°F (27°C). WHEN THE TEMPERATURE IS BELOW 60°F (16°C) THE SEALANT RESEVOIR SHALL BE CUT 1/8" WIDER. WHEN THE TEMPERATURE IS ABOVE 80°F (27°C) THE SEALANT RESEVOIR SHALL BE CUT 1/8" NARROWER.
3. TRANSVERSE JOINT MATERIAL SHALL BE PLACED BEFORE LONGITUDINAL JOINT MATERIAL; THE TRANSVERSE JOINT MATERIAL SHALL BE CONTINUOUS FOR THE FULL WIDTH OF ALL ADJACENT P.C.C. PAVEMENT SLABS.
4. THE TOP EDGES OF THE COMPRESSION SEAL SHALL BE IN FULL CONTACT WITH THE SLAB SIDES.
5. LONGITUDINAL JOINT MATERIAL SHALL BE PLACED WITHOUT GAPS WHENEVER INTERRUPTED BY THE TRANSVERSE JOINT MATERIAL.
6. TO HOLD DOWELS IN THE REQUIRED POSITION A DOWEL SUPPORT BASKET SHALL BE USED. DOWEL SUPPORT BASKET DETAILS CAN BE FOUND ON DELDOT STANDARD NO. P-1.
7. TRANSVERSE COMPRESSION JOINT SEAL SHALL BE RECESSED 3/8" TO 5/8" BELOW THE TOP OF THE SLAB.
8. ALL JOINTS WHERE PROPOSED P.C.C. SLAB CONCRETE WILL BE AGAINST EXISTING P.C.C. CONCRETE SHALL HAVE A 3-PLY BOND BREAKER APPLIED TO THE EXISTING P.C.C. SLAB FOR THE FULL HEIGHT AND FULL LENGTH OF THE JOINT PRIOR TO PLACING THE PROPOSED CONCRETE.

ADDENDUMS / REVISIONS

SCALE: AS SHOWN

US 301 &
SR 1 INTERCHANGE

CONTRACT	BRIDGE NO.
T200911302	
COUNTY	DESIGNED BY: M.P.U.
NEW CASTLE	CHECKED BY: P.S.D.

TRANSITION SLAB
DETAILS - 3

DT-23
SHEET NO.
106
TOTAL SHTS.
491

