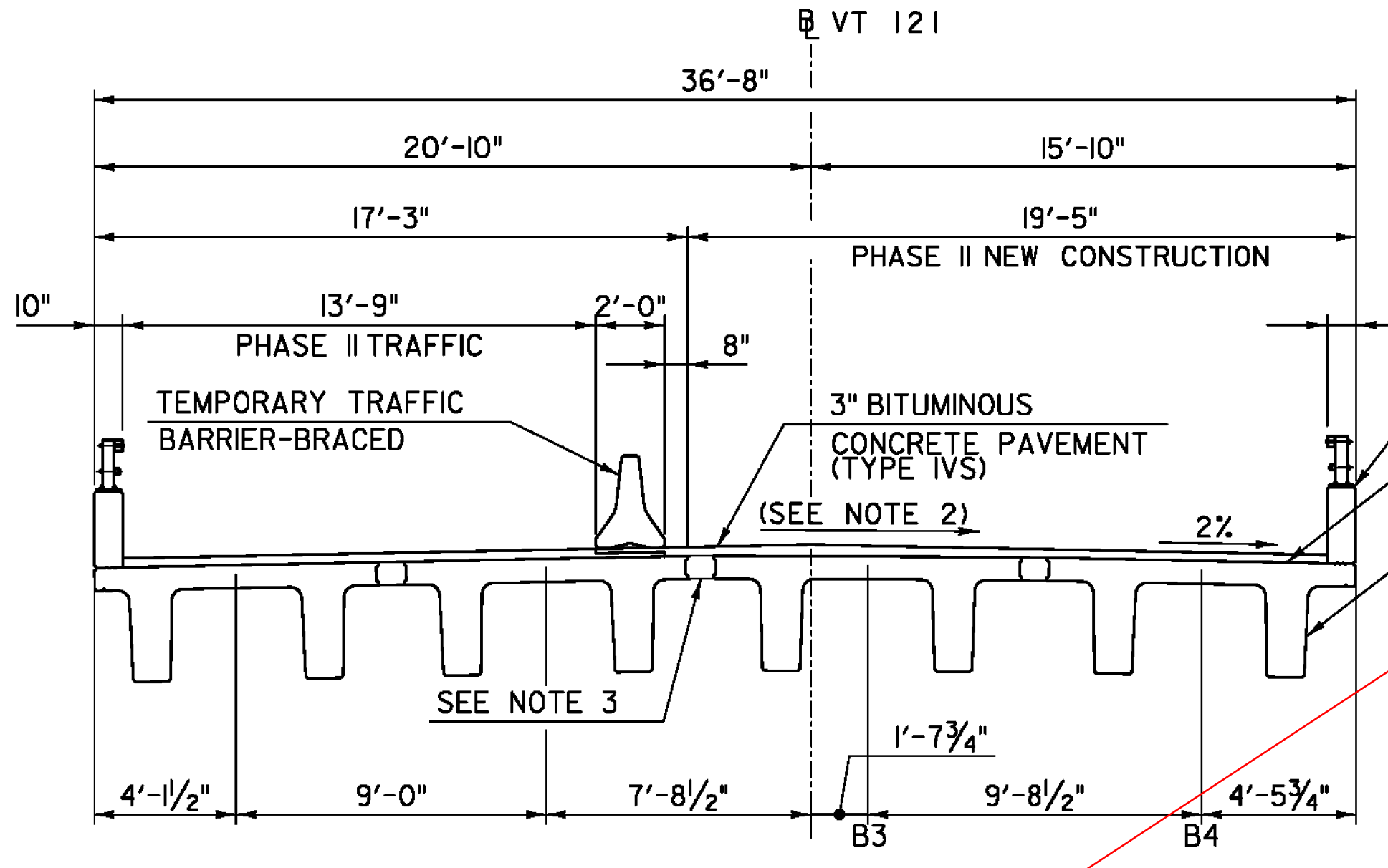


TYPICAL SECTION - EXISTING

SCALE 1/4" = 1'-0"



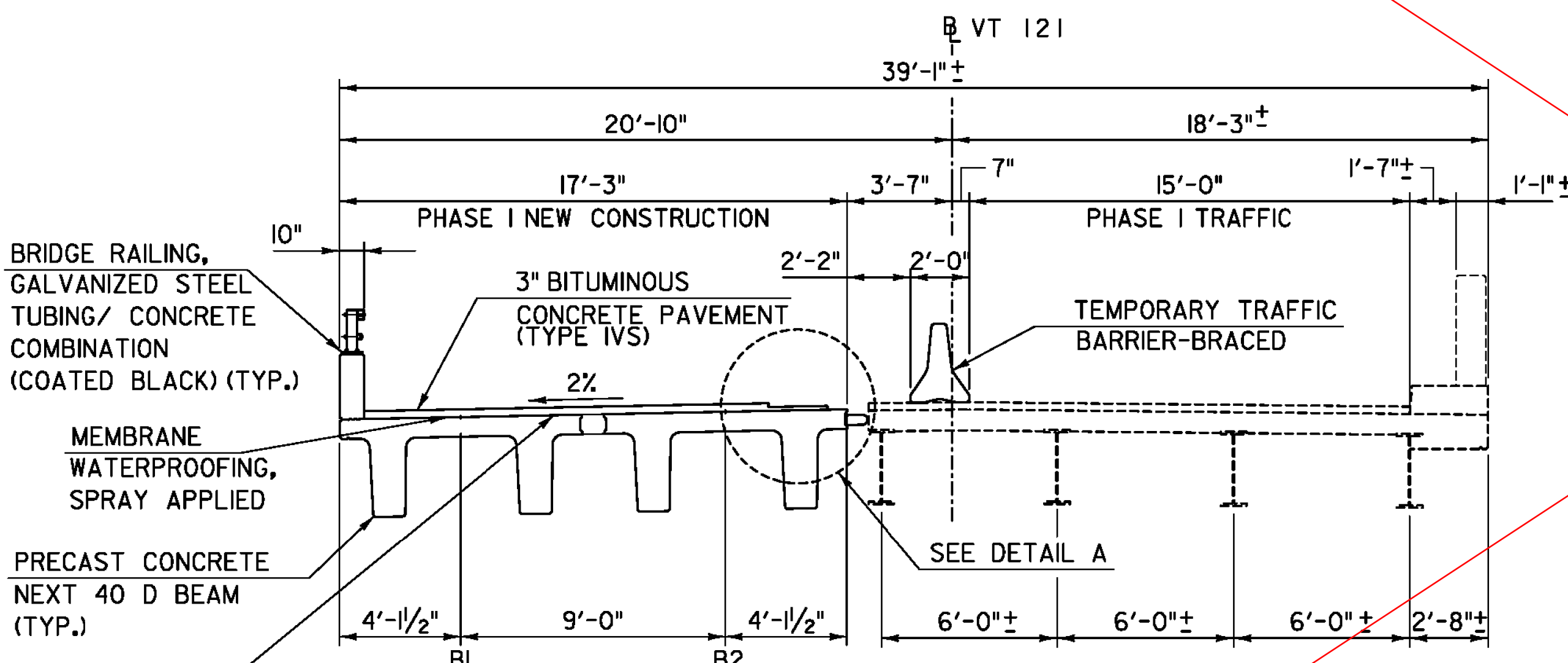
TYPICAL SECTION - CONSTRUCTION PHASE II

SCALE 1/4" = 1'-0"

BRIDGE RAILING, GALVANIZED STEEL TUBING/  
CONCRETE COMBINATION (COATED BLACK) (TYP.)  
MEMBRANE WATERPROOFING,  
SPRAY APPLIED  
PRESTRESSED CONCRETE  
NEXT 40 D BEAM (TYP.)

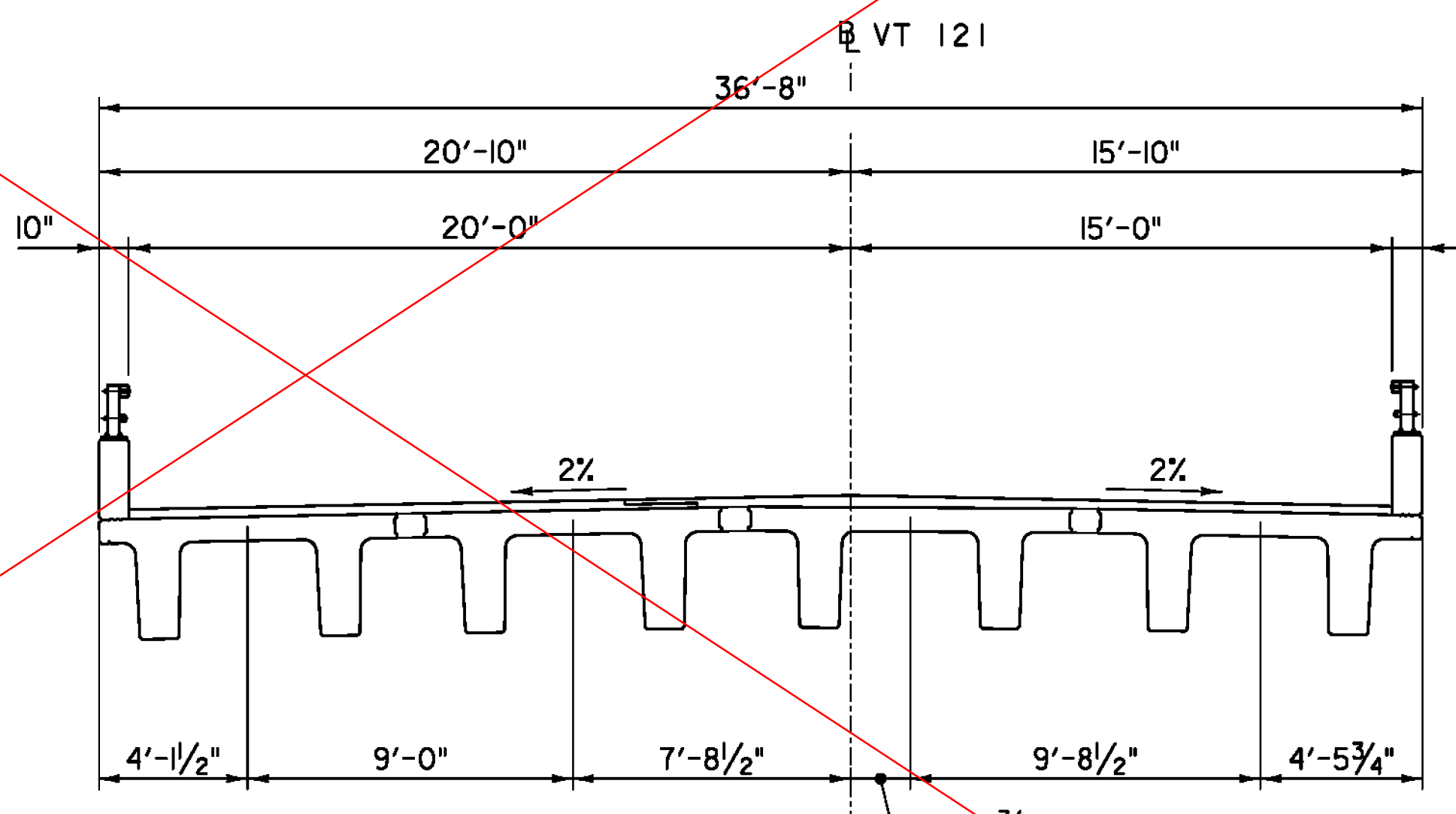
**SUGGESTED BRIDGE CONSTRUCTION SEQUENCE NOTES:**

- PHASE 1 - NORTH HALF OF BRIDGE:
1. REMOVE EXISTING BRIDGE SUPERSTRUCTURE AND ABUTMENT BACKWALLS DOWN TO TOP OF EXISTING ABUTMENT BRIDGE SEATS.
  2. INSTALL ABUTMENT PILES AND CONSTRUCT ABUTMENTS UP TO HORIZONTAL JOINT BELOW BEAMS.
  3. CONSTRUCT ABUTMENT AND PIER PEDESTALS.
  4. INSTALL BEARINGS AND PRESTRESSED CONCRETE BEAMS.
  5. CONSTRUCT DIAPHRAGMS AT PIERS AND ABUTMENTS ABOVE HORIZONTAL JOINT BELOW BEAMS.
  6. PLACE CLOSURE POURS OVER PIERS.
  7. PLACE CLOSURE POUR BETWEEN BEAM LINES 1 AND 2.
  8. CONSTRUCT APPROACH SLABS, BRIDGE RAILING, INSTALL SHEET MEMBRANE WATERPROOFING, AND PAVEMENT.
- PHASE 2 - SOUTH HALF OF BRIDGE:
1. REMOVE EXISTING BRIDGE SUPERSTRUCTURE AND ABUTMENT BACKWALLS DOWN TO TOP OF EXISTING ABUTMENT BRIDGE SEATS.
  2. INSTALL ABUTMENT PILES AND CONSTRUCT ABUTMENTS UP TO HORIZONTAL JOINT BELOW BEAMS.
  3. CONSTRUCT ABUTMENT AND PIER PEDESTALS.
  4. INSTALL BEARINGS AND PRESTRESSED CONCRETE BEAMS.
  5. CONSTRUCT DIAPHRAGMS AT PIERS AND ABUTMENTS ABOVE HORIZONTAL JOINT BELOW BEAMS.
  6. PLACE CLOSURE POURS OVER PIERS.
  7. PLACE CLOSURE POUR BETWEEN BEAM LINES 3 AND 4.
  8. PLACE CLOSURE POUR BETWEEN BEAM LINES 2 AND 3.
  9. CONSTRUCT APPROACH SLABS, BRIDGE RAILING, INSTALL SHEET MEMBRANE WATERPROOFING, AND PAVEMENT.



TYPICAL SECTION - CONSTRUCTION PHASE I

SCALE 1/4" = 1'-0"

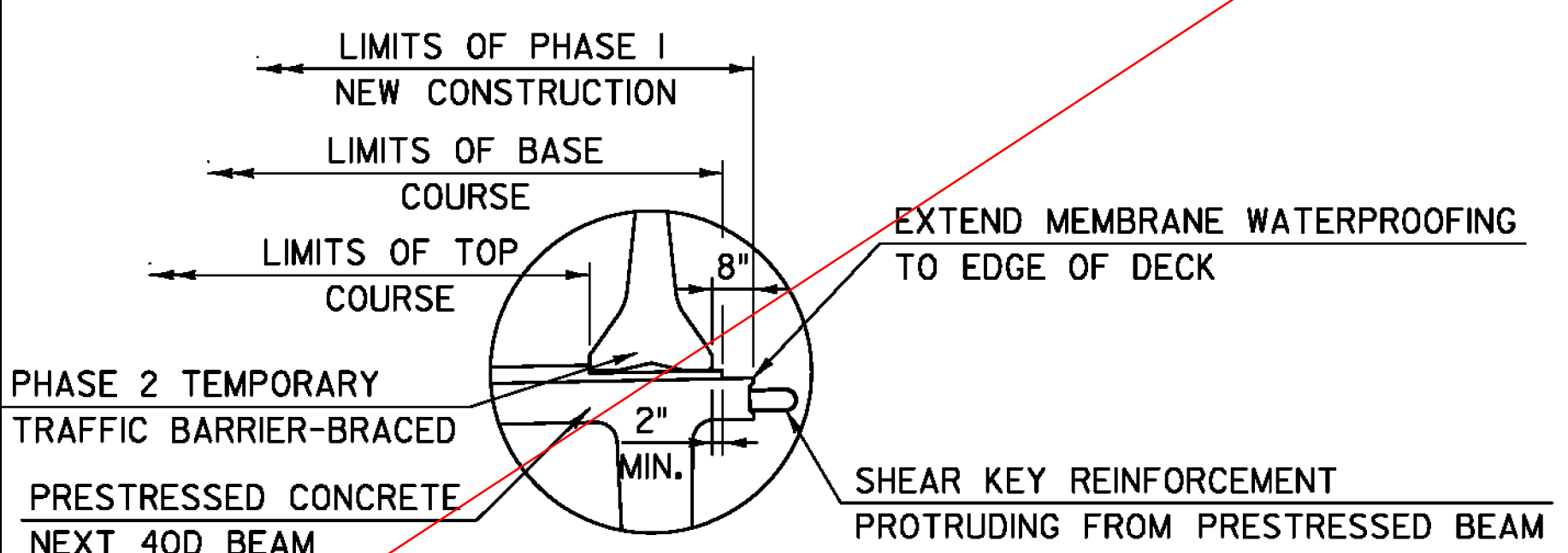


TYPICAL SECTION - FINAL BUILD

SCALE 1/4" = 1'-0"

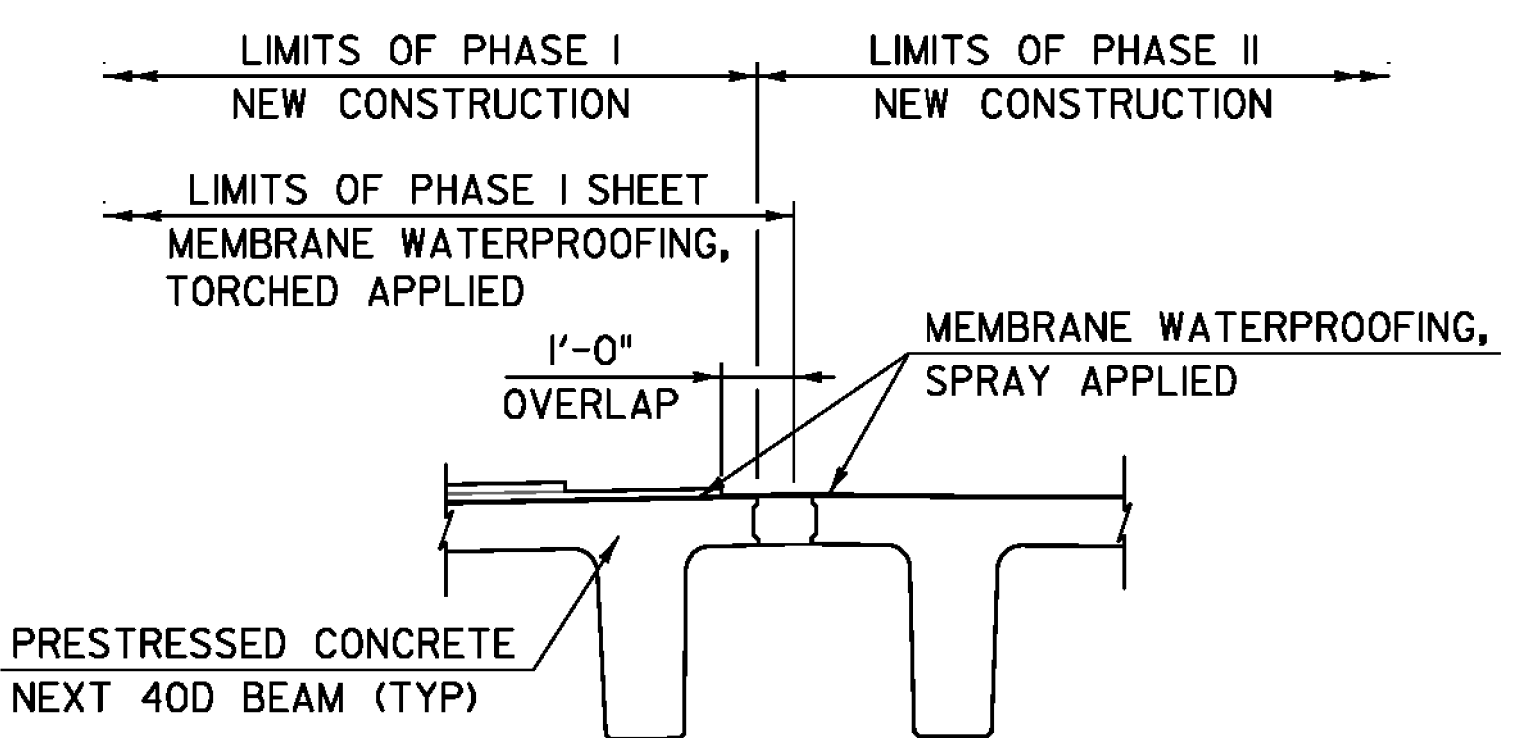
**NOTES:**

1. TEMPORARY TRAFFIC BARRIER SHALL MEET THE REQUIREMENTS FOR BRIDGE RAIL PERFORMANCE LEVEL TL3 OF NCHRP 350. TEMPORARY BARRIER CONNECTIONS SHALL BE DEVELOPED BY CONTRACTOR AND SHALL BE SUBMITTED TO VTRANS FOR REVIEW AND APPROVAL. TEMPORARY TRAFFIC BARRIER MAY BE ANCHORED TO EXISTING DECK BUT NOT TO PROPOSED DECK.
2. BEAM 3 SHALL BE SLOPED TRANSVERSELY TO MATCH ADJACENT BEAMS AND SHEAR KEYS. SEE "BRIDGE TYPICAL SECTION" SHEET FOR DETAIL.
3. HIGH PERFORMANCE CONCRETE, RAPID SET BETWEEN BEAMS B2 AND B3 SHALL MEET A 3 HOUR COMPRESSIVE STRENGTH OF 3000 PSI AND A 28 DAY COMPRESSIVE STRENGTH OF 7000 PSI.
4. PAYMENT FOR TEMPORARY TRAFFIC BARRIER-BRACED SHALL BE MADE UNDER ITEM 621.90 TEMPORARY TRAFFIC BARRIER.



DETAIL A

SCALE 3/8" = 1'-0"



MEMBRANE OVERLAP DETAIL

SCALE 3/8" = 1'-0"

TYLIN INTERNATIONAL	PROJECT NAME: ROCKINGHAM	FILE NAME: z10j072bdr_bphase.dgn	PLOT DATE: 8/26/2014
	PROJECT NUMBER: BRF 0126(12)	PROJECT LEADER: R. HEBERT	DRAWN BY: D. AXTELL
		DESIGNED BY: S. KELLER	CHECKED BY: T. POULIN
		BRIDGE CONSTRUCTION STAGING	SHEET 14 OF 69