

**PROJECT NOTES:**

**GENERAL**

- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION, 2006 STANDARD SPECIFICATIONS FOR CONSTRUCTION, AND ITS LATEST REVISIONS.
- ALL WORK AND ANY ASSOCIATED ACTIVITY ON THIS PROJECT SHALL BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY LIMITS. THE RIGHT-OF-WAY FOR ALL HIGHWAYS OTHER THAN I-89, SHALL BE ASSUMED TO BE 3 RODS UNLESS SHOWN OTHERWISE ON REFERENCE PLANS.
- STAGING AREAS OFF THE PAVEMENT SHALL UNDERGO VTRANS CONSTRUCTION STAGING REVIEW. ALL DISTURBED STAGING AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. TEMPORARY STAGING AREAS OFF PAVEMENT, IF APPROVED, SHALL UTILIZE ITEMS 649.51 GEOTEXTILE FOR SILT FENCE AND 653.20 TEMPORARY EROSION MATTING TO PREVENT EROSION AND CONTROL SEDIMENT FROM THE STAGING AREAS.
- ALL COSTS ASSOCIATED WITH EXTENDING OR FILLING THE DRAIN TUBES SHALL BE INCIDENTAL TO ITEM 900.645, SPECIAL PROVISION (QC/QA CLEAN AND PAINT EXISTING STEEL STRUCTURES, BARE STEEL).
- GREASE COATING SHALL BE APPLIED TO ALL BEAMS AND DIAPHRAGMS WITHIN 20 FEET OF EACH ABUTMENT (FIXED AND EXPANSION JOINTS); AND AT PIERS FROM BEAM END TO A LENGTH EQUAL TO TWO TIMES THE BEAM DEPTH FROM POINT OF BEARING AND SHALL INCLUDE ALL EXPOSED SURFACE AREAS OF ATTACHMENTS OR MEMBERS WITHIN THE DISTANCE. COST SHALL BE INCIDENTAL TO ITEM 900.645, SPECIAL PROVISION (QC/QA CLEAN AND PAINT EXISTING STEEL STRUCTURES, BARE STEEL).
- THE CONTRACTOR SHALL NOT DRILL OR DOWEL INTO THE PIERS FOR CONTAINMENT SUPPORT OR ANY OTHER WORK.

**TRAFFIC CONTROL**

- THE CONTRACTOR SHALL SUBMIT SITE SPECIFIC TRAFFIC CONTROL PLANS DEPICTING EACH PHASE OF THE PLANNED WORK FOR ANY WORK ON I-89 OR FROM THE ROADS BELOW THE BRIDGES. THE DESIGN SHALL ENSURE STATE-REGULATED WIDE LOADS CAN BE ACCOMMODATED DURING LANE CLOSURES. TRAFFIC CONTROL PLANS SHALL BE DEVELOPED IN ACCORDANCE WITH THE 2009 M.U.T.C.D. SITE CONDITIONS MAY WARRANT ADDITIONAL CONSIDERATIONS FOR SAFETY. PLANS SHALL BE SUBMITTED IN ACCORDANCE WITH SUBSECTION 105.03 AND SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN AN APPROPRIATE DISCIPLINE IN THE STATE OF VERMONT.
- THE CONTRACTOR SHALL OBTAIN THE MOST CURRENT TRAFFIC VOLUMES FOR I-89 FOR USE IN THE PROJECT SPECIFIC TRAFFIC CONTROL PLANS.

BRIDGE NUMBER	2009 AADT	
	NORTHBOUND	SOUTHBOUND
57	13,700	13,700

- THE TRAFFIC CONTROL PLANS SHALL SHOW ALL RAMPS AND I-89 ACCELERATION AND DECELERATION LANES AT EXIT II.
- UNIFORMED TRAFFIC OFFICERS ARE REQUIRED FOR THE TRAFFIC CONTROL DESIGN ON I-89.
- NIGHT WORK WILL BE THE PREFERRED METHOD OF CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE RESIDENT ENGINEER. LANE CLOSURES WILL NOT BE ALLOWED DURING THE FOLLOWING TIME PERIODS:
  - I-89 NORTHBOUND**
    - 6AM-10AM MONDAY-THURSDAY
    - 6AM-10AM AND 2PM-7PM FRIDAY
  - I-89 SOUTHBOUND**
    - 3PM-7PM MONDAY-THURSDAY
    - 2PM-7PM FRIDAY
- UNLESS COVERED UNDER INDIVIDUAL PAY ITEMS, ALL COSTS FOR TEMPORARY TRAFFIC CONTROL DEVICES WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL, ITEM 641.10.
- THE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AND PRINT MEDIA SHALL BE USED 2 WEEKS IN ADVANCE OF NIGHTTIME LANE CLOSURE AS DIRECTED BY THE ENGINEER.
- RIGHT-OF-WAY FENCE MAY HAVE TO BE REMOVED AND RESET IN ACCORDANCE WITH SECTION 620 FOR EGRESS AND INGRESS. THIS WORK SHALL BE INCIDENTAL TO TRAFFIC CONTROL, ITEM 641.10.
- ALL EQUIPMENT AND CONTAINMENT FACILITIES SHALL BE PROTECTED BY A CONCRETE BARRIER OVERNIGHT AND DURING NON-WORKING HOURS.
- THE WIDTH OF VERBURG ROAD SHALL NOT BE DECREASED UNDER THE BRIDGES.

**RAILROAD**

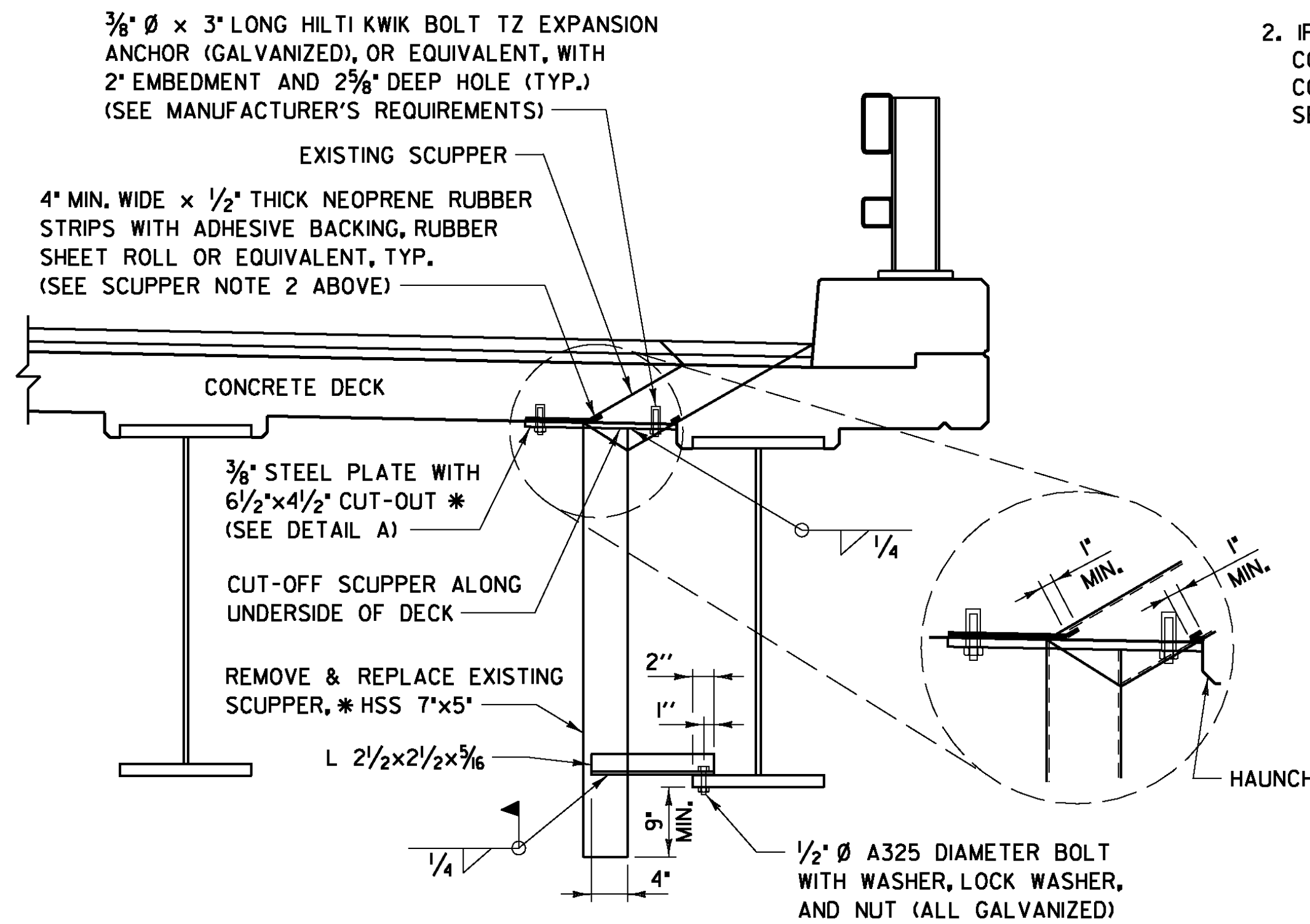
- REFER TO RAILROAD SPECIAL PROVISIONS.

**UTILITIES**

- REFER TO UTILITIES SPECIAL PROVISIONS.

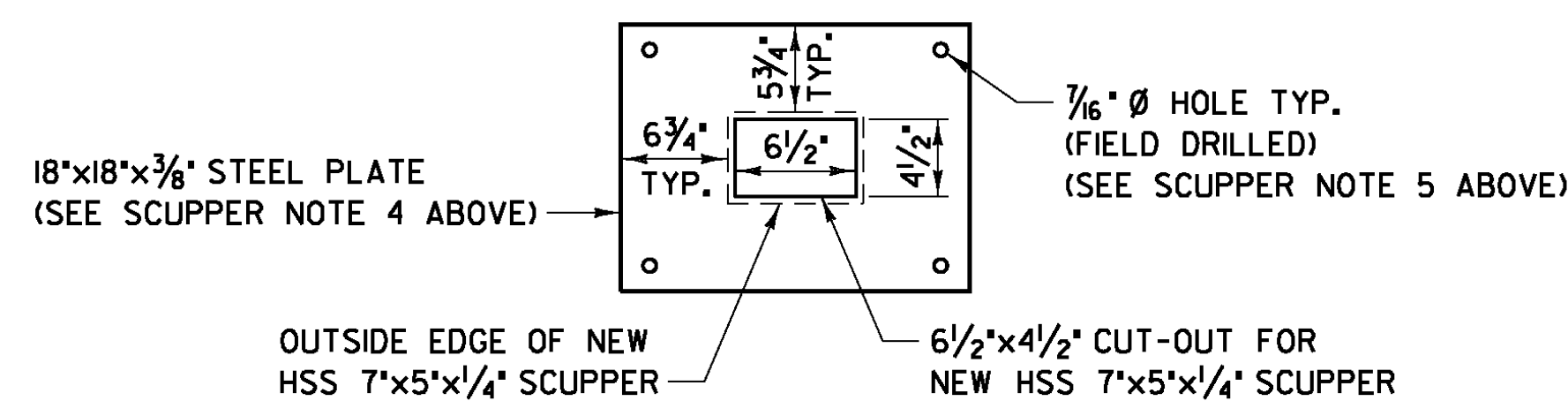
**SCUPPERS**

- ALL DETERIORATED SCUPPERS WITH SIGNIFICANT LOSS OF SECTION THAT CAN NOT BE SUFFICIENTLY REPAIRED BY CLEANING AND PAINTING SHALL BE CUT-OFF ABOVE DETERIORATION AND REPAIRED. IF THE DETERIORATION EXTENDS TO THE UNDERSIDE OF THE DECK, THE SCUPPER SHALL BE CUT-OFF AND REPLACED. THE ENGINEER SHALL APPROVE EACH DETERIORATED SCUPPER IDENTIFIED BY THE CONTRACTOR PRIOR TO BEING REPAIRED OR REPLACED. WORK SHALL BE PAID UNDER ITEM 506.60, STRUCTURAL STEEL.
- ADHESIVE SIDE OF NEOPRENE SHALL BE PLACED ON UNDERSIDE OF CONCRETE DECK AND INTERIOR OF EXISTING SCUPPER AROUND PERIMETER OF DRAIN. NEOPRENE SHALL COVER ENTIRE SURFACE OF THE STEEL PLATE AND EXTEND A MINIMUM OF 1 INCH UP INTO THE INTERIOR OF THE EXISTING SCUPPER DRAIN. NEOPRENE, EXPANSION ANCHOR AND OTHER MATERIALS NECESSARY FOR SCUPPER REPAIR OR REPLACEMENT SHALL BE INCIDENTAL TO ITEM 506.60.
- ALL EXISTING DIMENSIONS AND SCUPPER SIZES SHALL BE FIELD VERIFIED.
- PLATE WILL BE CUT IN THE FIELD TO ACCOMMODATE HAUNCH.
- BOLT HOLES SHALL BE FIELD DRILLED AND SHALL HAVE A MINIMUM EDGE DISTANCE OF 1.5 INCHES.
- ALL NEW STEEL SHALL BE ZINC PRIMED AND PAINTED WITH INTERNATIONAL PAINTS INTERFINE 979 PAINT SYSTEM.
- ALL WELDING SHALL CONFORM WITH THE PROVISIONS OF SUBSECTION 506.10.
- HOLLOW STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A 500 GRADE B OR ASTM A 501.
- STEEL PLATES AND ANGLES SHALL CONFORM TO AASHTO M270, GRADE 50 (ASTM A709, GRADE 50).
- HIGH STRENGTH BOLTS, NUTS, AND CIRCULAR WASHERS SHALL CONFORM TO SUBSECTION 714.05.



**SCUPPER REPLACEMENT DETAIL**

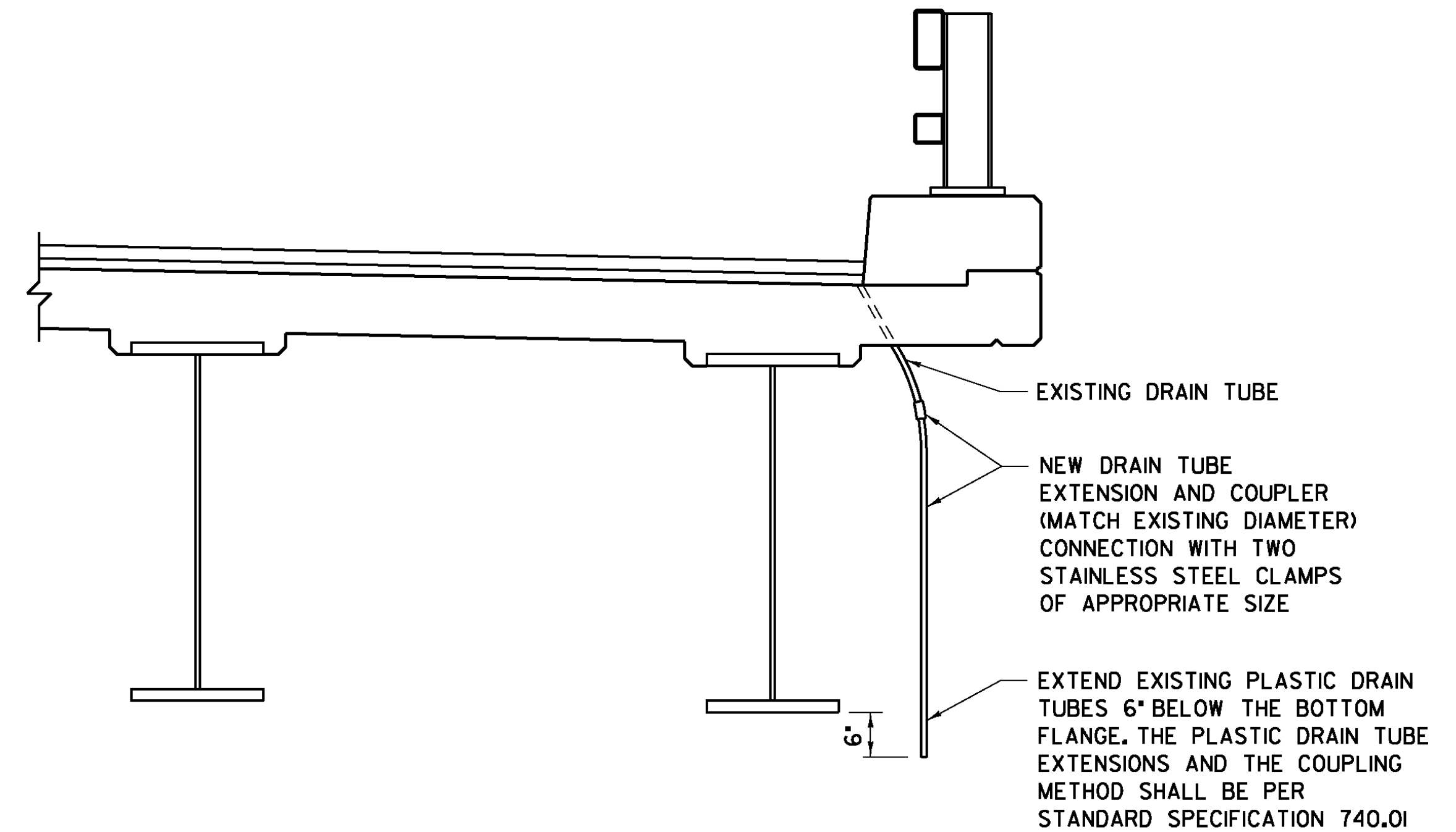
NOT TO SCALE



**DETAIL A \***

NOT TO SCALE

\* EXISTING SCUPPER SIZES TO BE VERIFIED BY CONTRACTOR  
SCUPPER PLATE MAY REQUIRE ADDITIONAL RESIZING IN THE FIELD

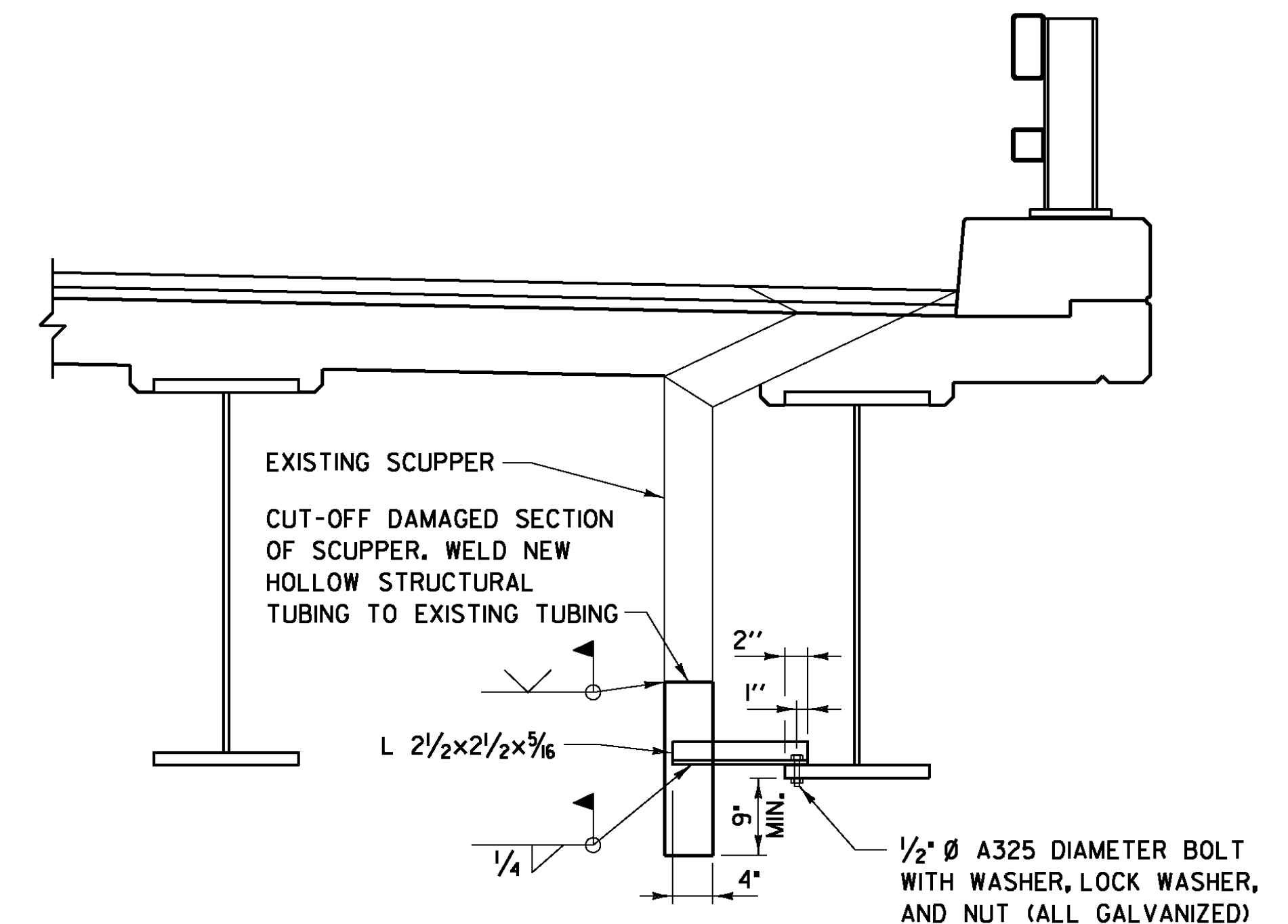


**DRAIN TUBE EXTENSION DETAIL**

NOT TO SCALE

**NOTES:**

- DRAIN TUBE EXTENSION DETAIL TO BE USED WHERE THE END OF EXISTING TUBES ARE LESS THAN 6\"/>
- IF EXISTING DRAIN TUBE IS TOO SHORT TO PROVIDE AN ADEQUATE CONNECTION, THE CONTRACTOR SHALL COMPLETELY FILL THE TUBE WITH POLYURETHANE SEALANT CONFORMING TO SUBSECTION 707.05. TUBES TO BE FILLED WITH POLYURETHANE SEALANT SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEING FILLED.



**SCUPPER REPAIR DETAIL**

NOT TO SCALE

PROJECT NAME: RICHMOND

PROJECT NUMBER: IM BPNT (7)

FILE NAME: z10a056det.dgn

PROJECT LEADER: S. M. GUNN

DESIGNED BY: G. M. EDINGTON

PROJECT NOTES & STANDARD DETAILS

PLOT DATE: 4/20/2011

DRAWN BY: B. J. MASSE

CHECKED BY: S. M. GUNN

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