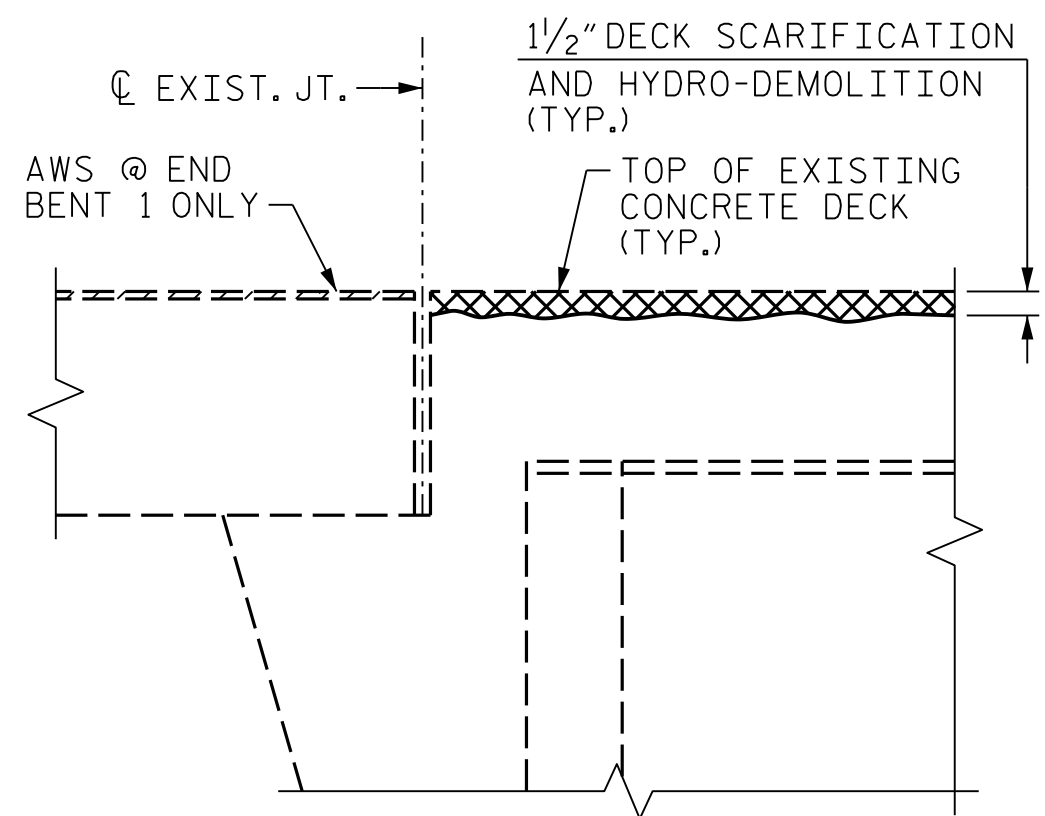
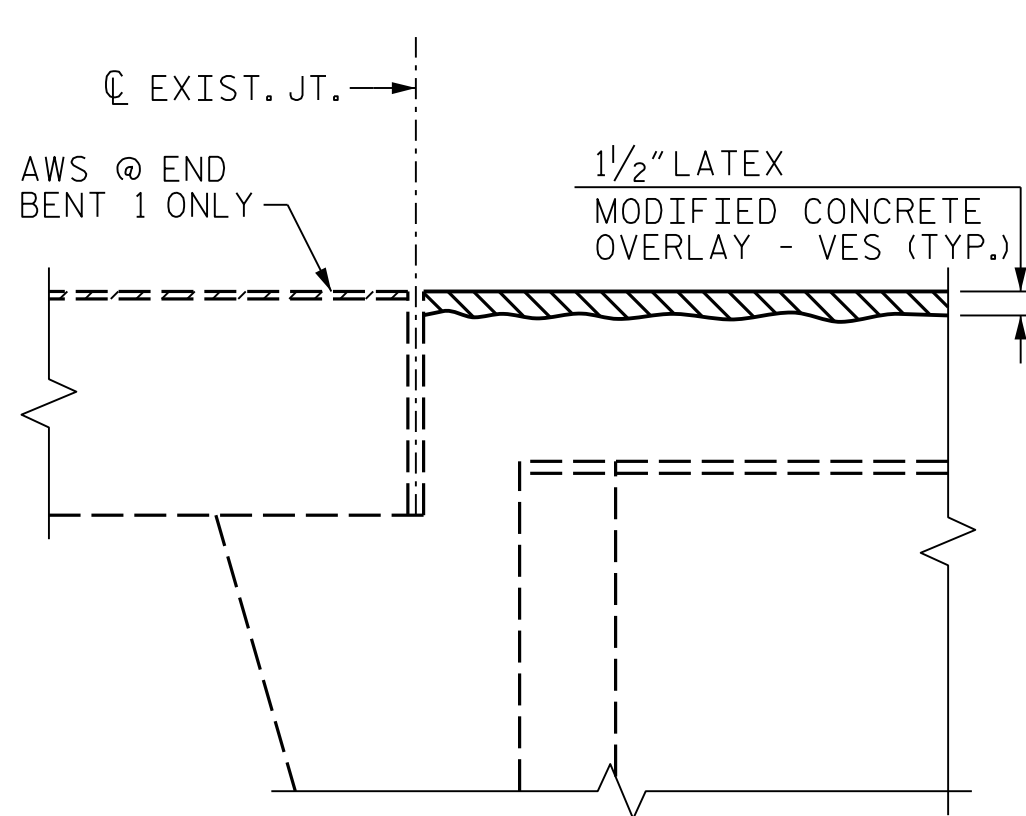


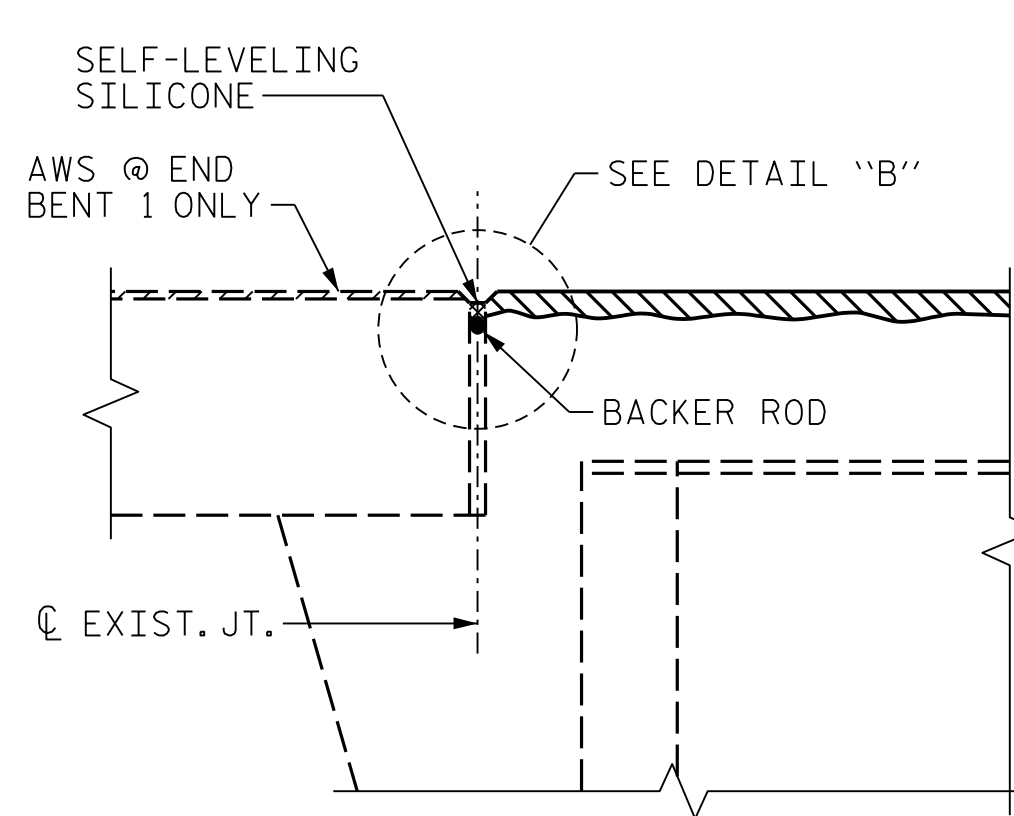
EXISTING JOINT AT END BENT



MINIMUM EXISTING JOINT DEMOLITION AT END BENT



PROPOSED JOINT PRE-INSTALL DIMENSIONS



PROPOSED JOINT

NOTES:

HYDRO-DEMOLITION OR EXCAVATION OF CONCRETE AT THE EXISTING JOINT SHALL RESULT IN THE BOTTOM OF THE EXCAVATION BEING REASONABLY FLAT AND LEVEL, TO PROVIDE SUFFICIENT SUBSTRATE FOR PLACEMENT AND SUPPORT OF ELASTOMERIC CONCRETE.

RETAIN ALL EXISTING REINFORCING STEEL. CLEAN AND REPAIR AS NEEDED.

FINAL JOINT SEALS SHALL NOT BE INSTALLED UNTIL THE LMC OVERLAY IS COMPLETE.

THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING JOINT OPENING PRIOR TO ORDERING JOINT SEAL MATERIAL. IF THE ACTUAL JOINT OPENING VARIES FROM THE OPENING INDICATED IN THE DETAILS BY MORE THAN 1/4", NOTIFY THE ENGINEER.

THE MANUFACTURER IS TO PROVIDE THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE FOAM JOINT SEAL FOR THE SIZE OF THE OPENING ON THE PLANS AND ACCOMMODATE THE MINIMUM EXPANSION SHOWN ON THE PLANS.

FOAM JOINTS SHALL BE INSTALLED AS PER THE MANUFACTURER'S RECOMMENDATIONS.

THE CONTRACTOR SHALL TAKE CARE DURING JOINT REHAB OPERATIONS NOT TO DROP ANY MATERIAL BELOW THE BRIDGE, WITHOUT PROTECTIVE DEVICES BELOW TO CATCH THE MATERIAL ANY MATERIAL THAT FALLS BELOW THE BRIDGE SHALL BE CONTAINED, REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO EXTRA COST TO THE DEPARTMENT. IF THE ENGINEER DETERMINES THAT THE PROTECTIVE DEVICES ARE NOT ADEQUATE OR NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.

THE CONTRACTOR WILL NOT BE PERMITTED TO FORM THE JOINTS IN LIEU OF SAWING THE JOINT.

THE INSTALLED FOAM JOINT SEALS SHALL BE WATER TIGHT.

QUANTITIES SHOWN IN THE ELASTOMERIC CONCRETE FOR PRESERVATION TABLE ARE BASED ON THE MINIMUM JOINT DEMOLITION SHOWN.

FINAL SURFACE OF THE JOINT DEMOLITION AREA PRIOR TO PLACEMENT OF CONCRETE REPAIR MATERIAL OR ELASTOMERIC CONCRETE SHOULD BE REASONABLY FLAT AND LEVEL. ENGINEER SHALL DETERMINE THE ACCEPTABILITY OF THE SURFACE PRIOR TO PLACEMENT OF REPAIR CONCRETE OR ELASTOMERIC CONCRETE.

FOR EXCAVATION BELOW THE BOTTOM OF THE PLANNED JOINT DEMOLITION, CONCRETE FOR DECK REPAIR SHALL BE PLACED IN THE EXCAVATED AREA TO THE ELEVATION AT BOTTOM OF THE PROPOSED ELASTOMERIC CONCRETE FOR PRESERVATION HEADERS SHOWN.

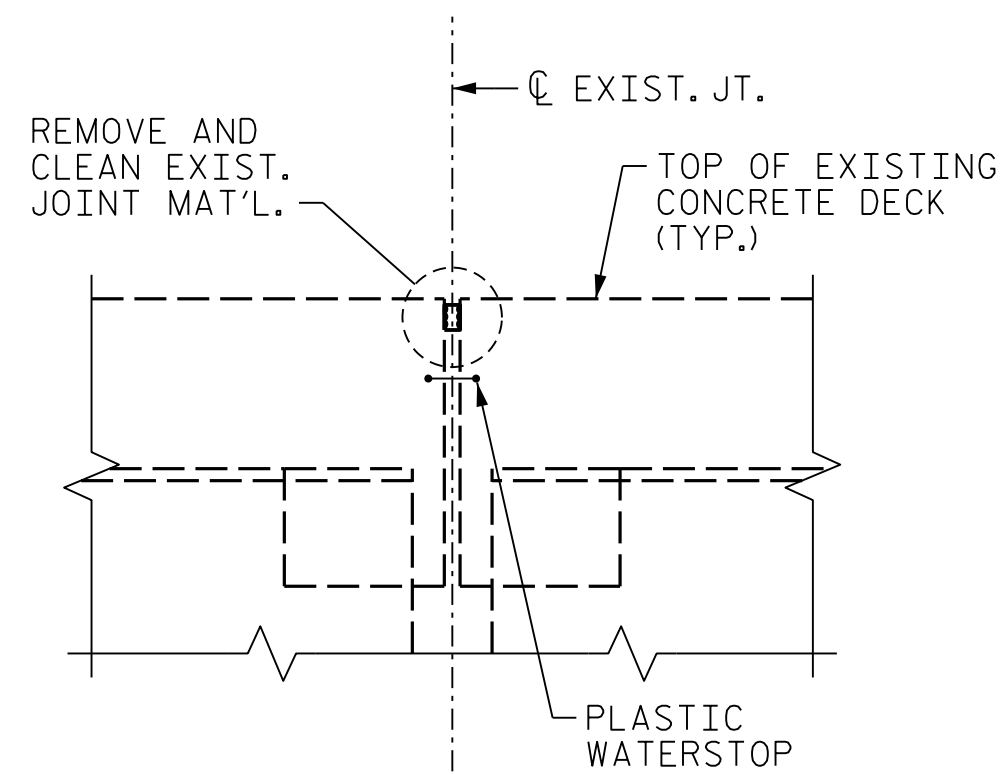
FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.

FOR FOAM JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

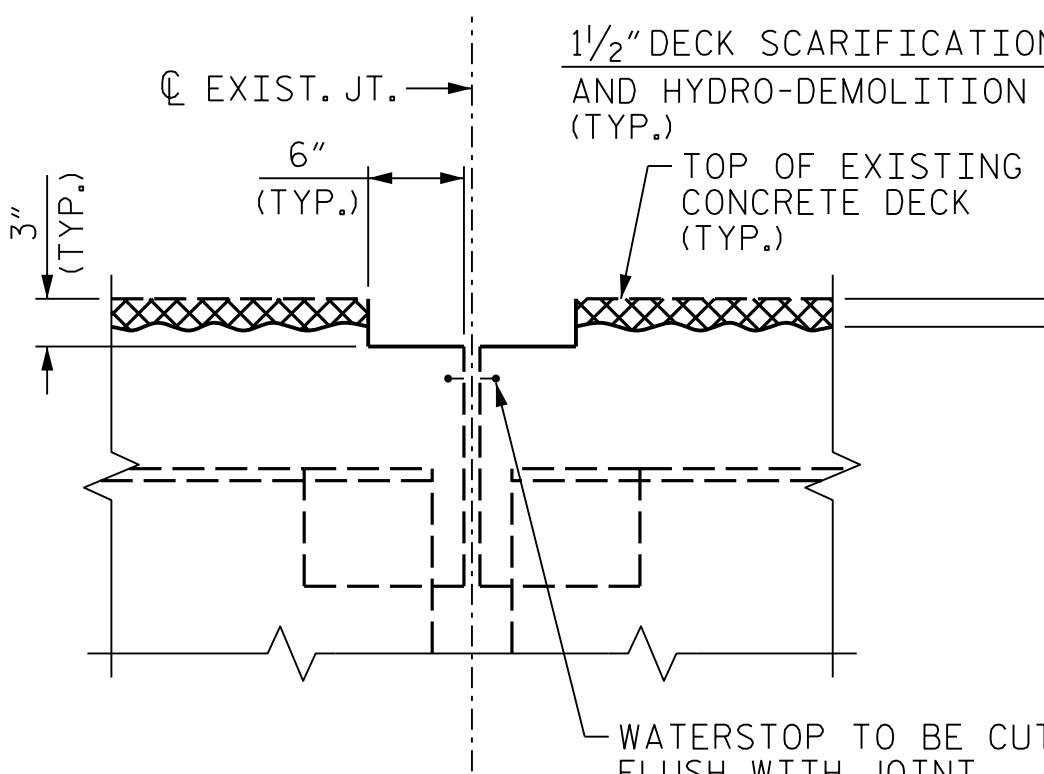
FOR ELASTOMERIC CONCRETE FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR CONCRETE FOR DECK REPAIR, SEE SPECIAL PROVISIONS.

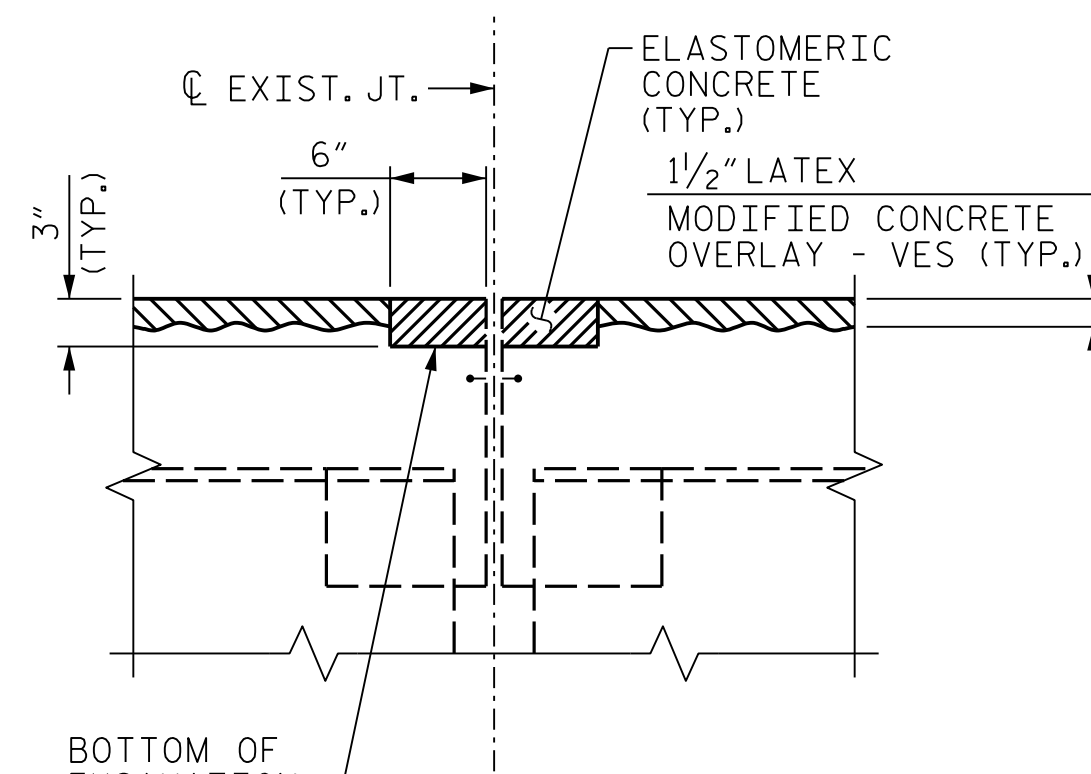
FOR POURABLE SILICONE JOINT SEALANT, SEE SPECIAL PROVISIONS.



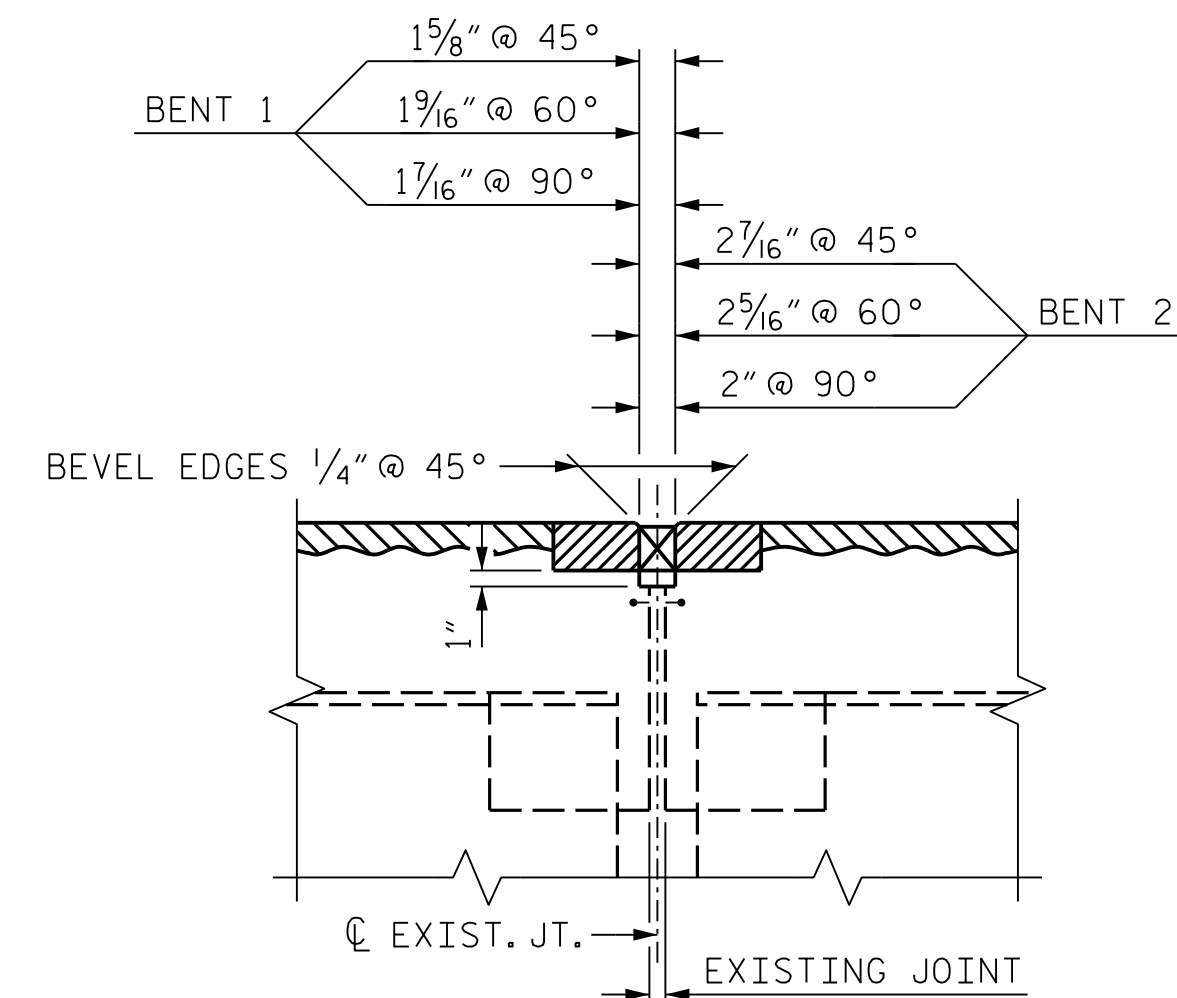
EXISTING JOINT



MINIMUM EXISTING JOINT DEMOLITION AT BENT



PROPOSED JOINT PRE-SAWED DIMENSIONS

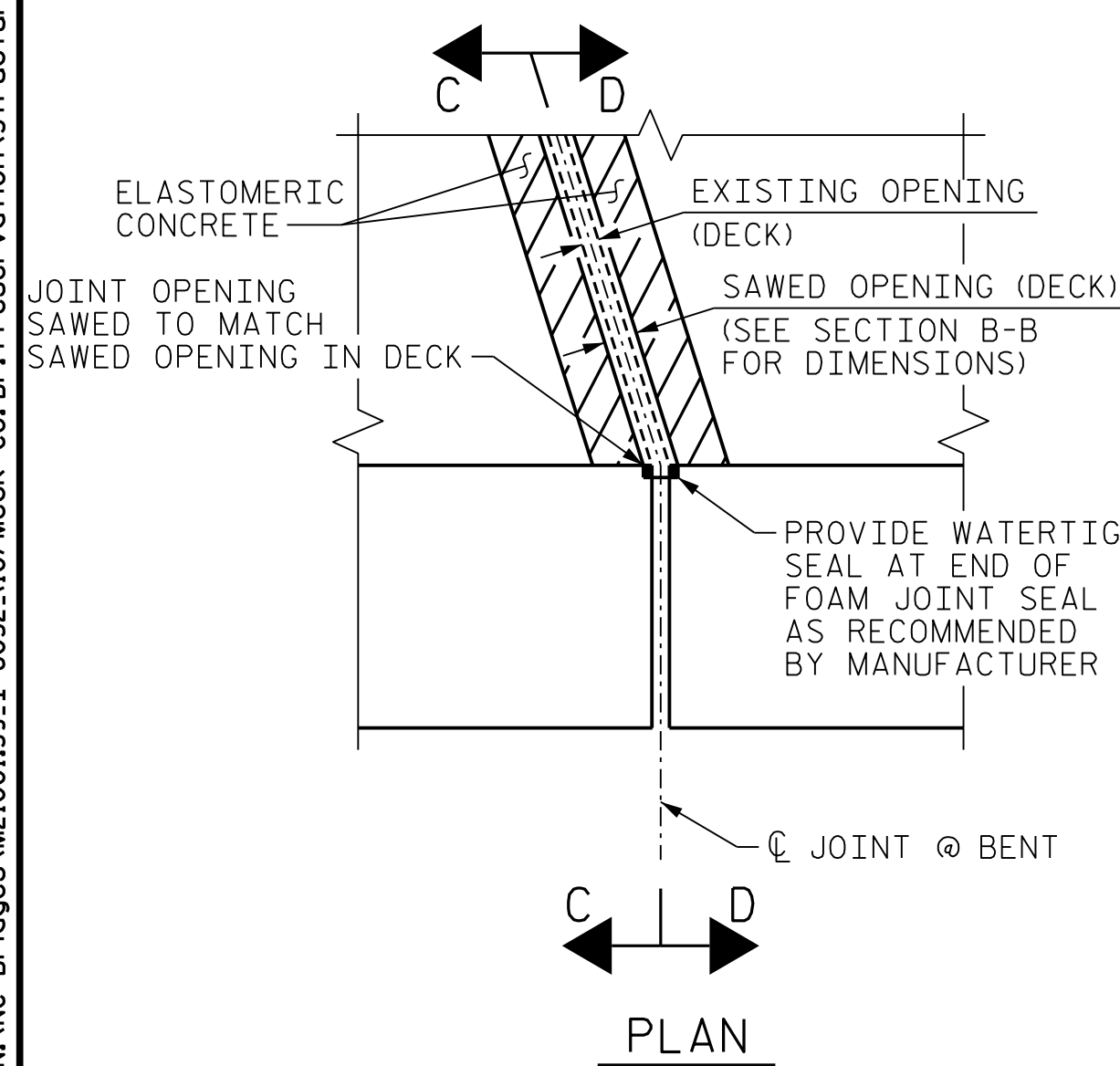


PROPOSED FOAM JOINT SEAL EXPANSION

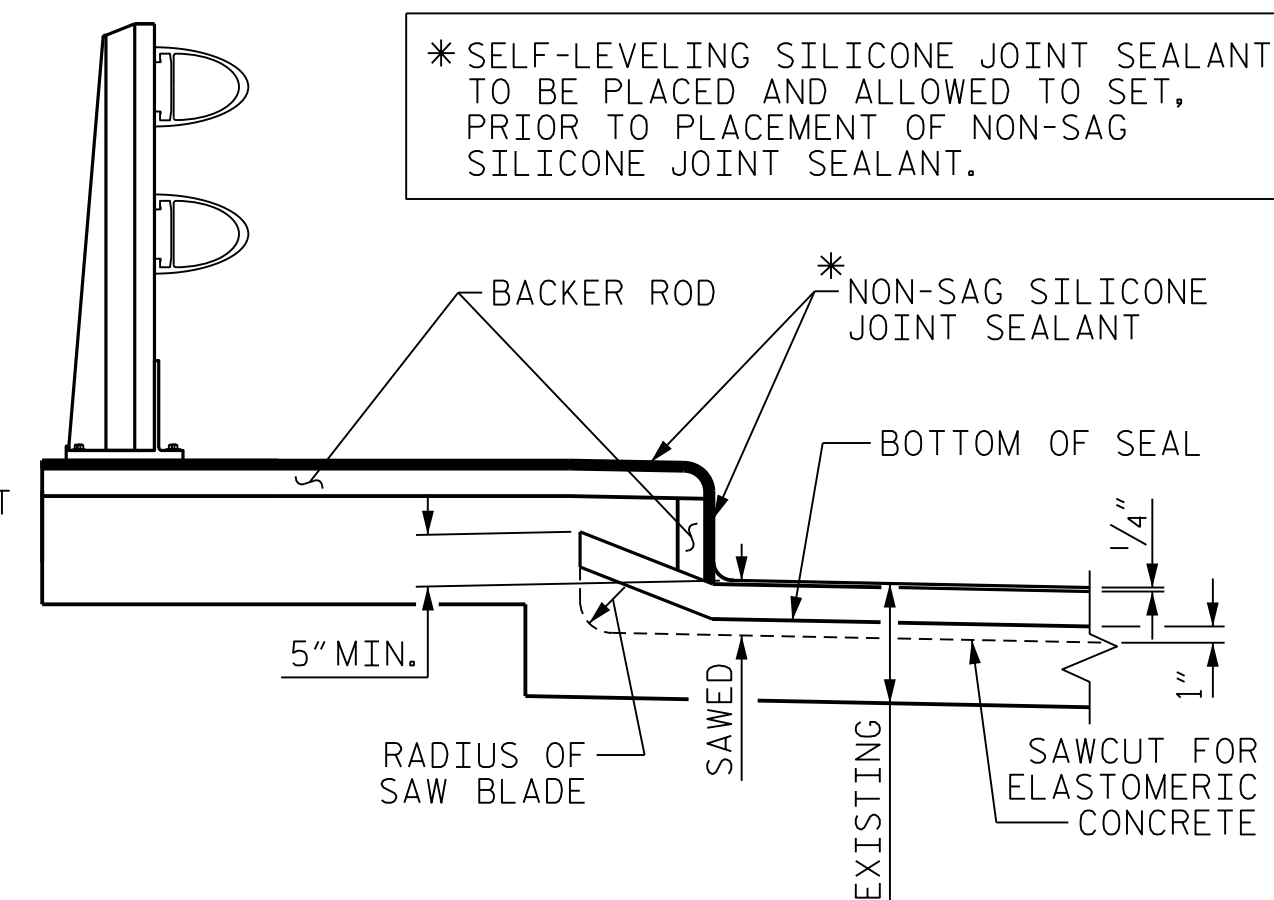
SECTION A-A

SECTION B-B

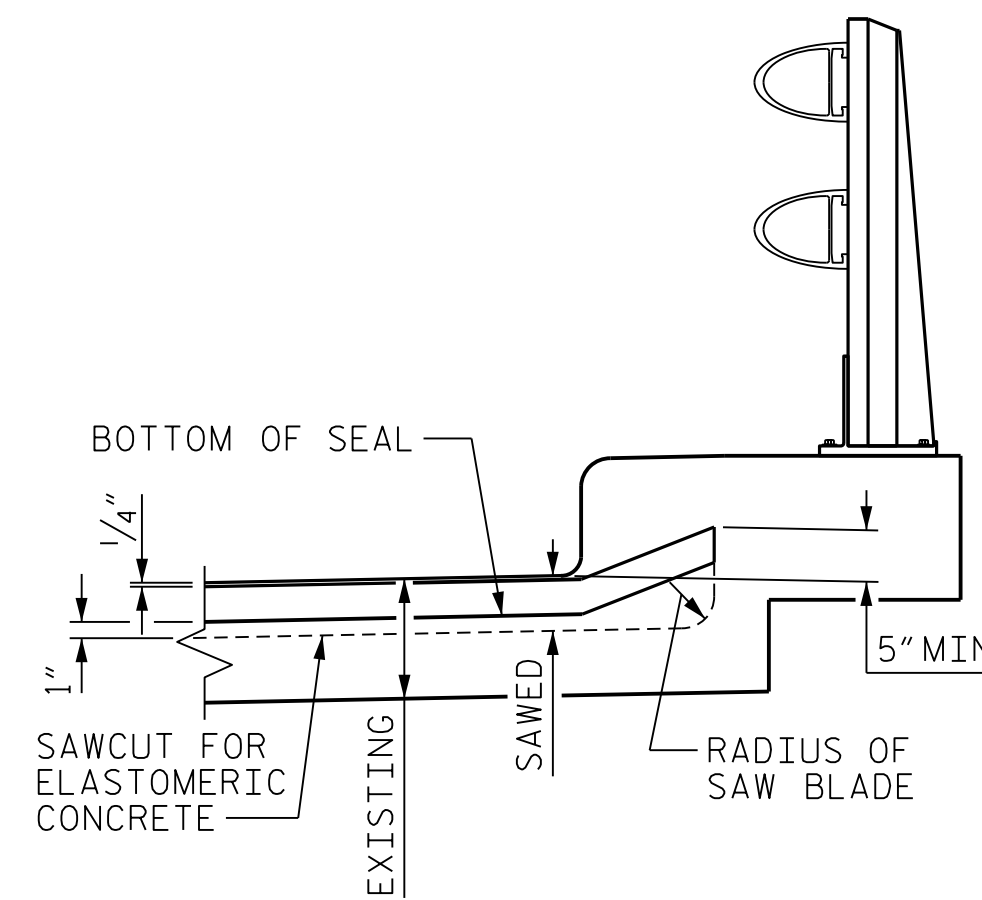
1/12/2023 9:18:09 AM User: blanning File: N:\NC Bridges\M21001.39-I-6052.101 Meck Co. Br. Preservation\Structures\402.009-I-6052.SMU-JT1.590282.dgn



PLAN



SECTION C-C (LEFT SIDE)



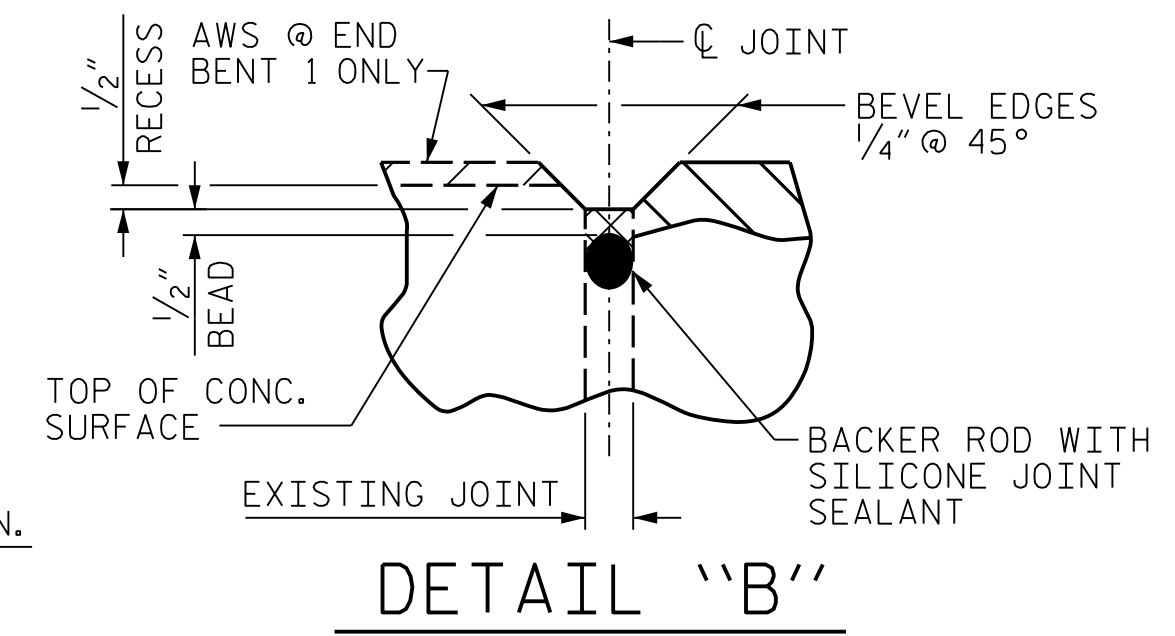
SECTION D-D (RIGHT SIDE)

JOINT DETAILS AT CURB

| JOINT REPAIR QUANTITY TABLE       |           |        |
|-----------------------------------|-----------|--------|
|                                   | ESTIMATED | ACTUAL |
| FOAM JOINT SEALS FOR PRESERVATION | 55.4 LF   |        |
| POURABLE SILICONE JOINT SEALANT   | 64.6 LF   |        |

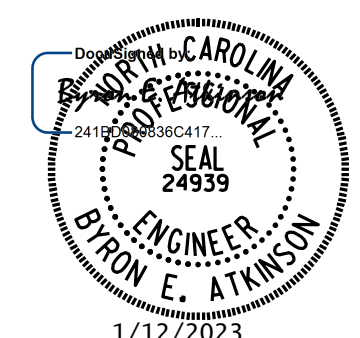
| ELASTOMERIC CONCRETE FOR PRESERVATION |           |        |
|---------------------------------------|-----------|--------|
|                                       | ESTIMATED | ACTUAL |
| BENT 1                                | 6.7       | CF     |
| BENT 2                                | 6.2       | CF     |
| * TOTAL                               | 12.9      | CF     |

\* BASED ON MINIMUM BLOCKOUT SHOWN.



DETAIL "B"

BACKER ROD WITH SILICONE JOINT SEALANT SHALL BE PLACED BELOW TOP OF CONCRETE SURFACE OF APPROACH PAVEMENT.



PROJECT NO. I-6052  
MECKLENBURG COUNTY  
 BRIDGE NO. 590282

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

JOINT DETAILS

DRAWN BY: B.E. LANNING DATE: 10/2022  
 CHECKED BY: B.E. ATKINSON DATE: 10/2022  
 DESIGN ENGINEER OF RECORD: B.E. ATKINSON DATE: 10/2022

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

MI ENGINEERING  
 1011 SCHAUH DRIVE, SUITE 100  
 RALEIGH, NC 27606  
 (919) 851-6606  
 FIRM PE NUMBER: P-0671

| REVISIONS |     |       |     |     |       | SHEET NO.                |
|-----------|-----|-------|-----|-----|-------|--------------------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: |                          |
| 1         |     |       | 3   |     |       | S2-5<br>TOTAL SHEETS 108 |
| 2         |     |       | 4   |     |       |                          |