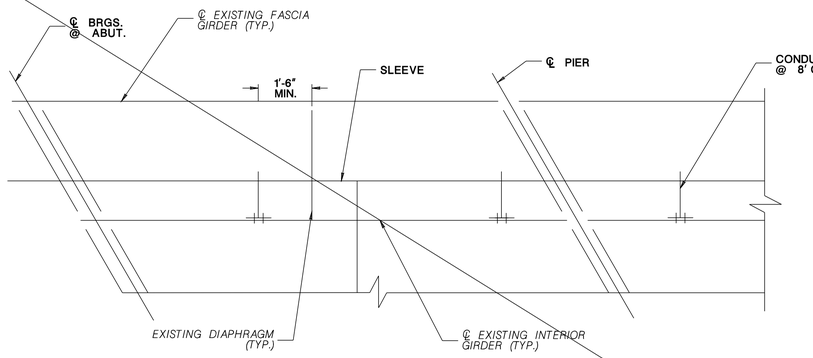
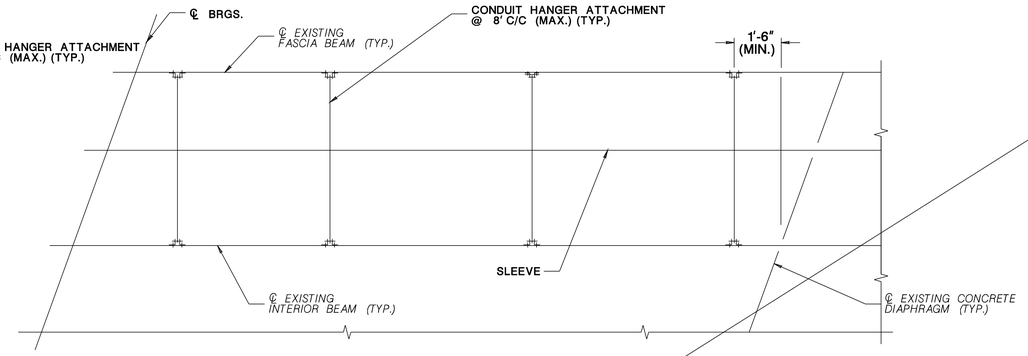


TYPICAL FRAMING PLAN STEEL STRUCTURE

CONDUIT HANGER ATTACHMENT ON EXISTING STRUCTURE

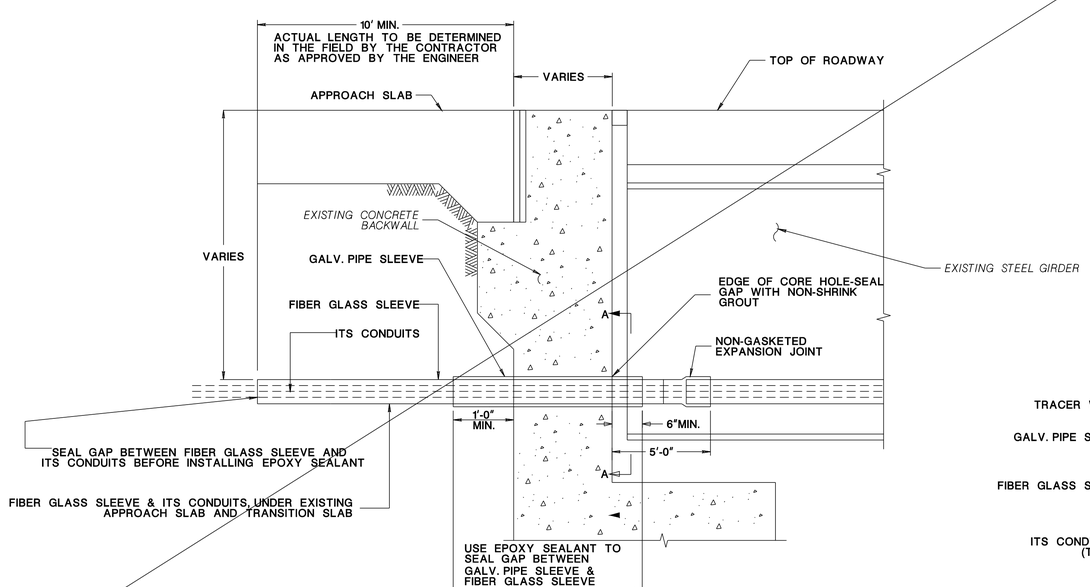


TYPICAL FRAMING PLAN PRESTRESSED CONCRETE STRUCTURE

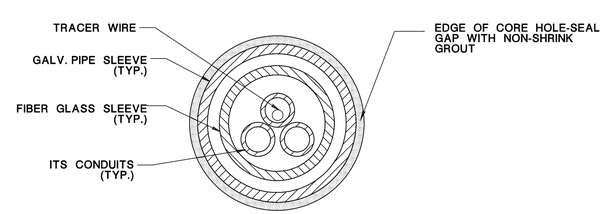
CONDUIT HANGER ATTACHMENT ON EXISTING STRUCTURE

NOTES:

1. SURVEY EACH STRUCTURE AND SUBMIT SHOP DRAWINGS FOR CONDUIT ATTACHMENT DETAILS AND EXPANSION JOINT DETAILS AND LOCATIONS ALONG EACH STRUCTURE TO THE ENGINEER FOR APPROVAL PRIOR TO THE FABRICATION OF THE CONDUIT SUPPORTS.
2. ENSURE ALL STEEL SHAPES CONFORM TO ASTM A36, BOLTS ARE HIGH STRENGTH, HEX HEAD, CONFORMING TO ASTM A325 AND SUPPLIED WITH ONE NUT AND WASHER PER BOLT. HOT-DIP GALVANIZE STEEL PLATES IN ACCORDANCE WITH ASTM A123 AND ALL THREADED HANGER RODS, NUTS, WASHERS AND SPACER TUBES IN ACCORDANCE WITH ASTM A153.
3. ENSURE HANGER ATTACHMENTS, ARE CONCEALED BY THE FASCIA GIRDER AND THE PROPOSED CONDUIT AND SUPPORTS ARE POSITIONED SUCH THAT THE MINIMUM VERTICAL UNDER CLEARANCE IS NOT LESS THAN THE EXISTING CONDITION.
4. ENSURE STEEL PLATES AND HANGERS ARE CAPABLE OF SUPPORTING 1000 LBS. LOAD AND THE MAXIMUM HANGER SPACING IS 8FT. UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER.
5. WELDING IS NOT PERMITTED.
6. PRIOR TO BOLTING PLATES OR ANGLES TO THE EXISTING GIRDER WEB, ENSURE THE CONNECTING AREA OF THE WEB IS THOROUGHLY CLEANED AND SPOT PAINTED AS PER STRUCTURAL REQUIREMENTS.
7. ENSURE CONDUIT LENGTHS ARE SELECTED SO THAT COUPLINGS DO NOT COINCIDE WITH HANGER LOCATIONS.
8. PROVIDE CONDUIT EXPANSION JOINTS NEAR EACH ABUTMENT AS SHOWN AND AT ALL PIER AND HINGE EXPANSION JOINTS.
9. PROVIDE A MINIMUM OF TWO EXPANSION JOINTS AT ALL BRIDGES. EXPANSION JOINT SPACING NOT TO EXCEED MANUFACTURER'S RECOMMENDATIONS.
10. ENSURE THE FINISH COAT PAINT COLOR MATCHES WITH THE PAINT COLOR ON THE EXISTING STRUCTURE.
11. IF THERE IS AN EXISTING BRIDGE APPROACH SLAB AND/OR TRANSITION SLAB IN THE SHOULDER AT THE LOCATION OF THE PROPOSED CONDUIT, INSTALL THE CONDUIT BENEATH THE APPROACH SLAB AND/OR TRANSITION SLAB AFTER CORING THROUGH THE ABUTMENT BACKWALL. ENSURE THE EXISTING APPROACH SLAB AND/OR TRANSITION SLAB IS NOT DISTURBED.
12. SUBMIT DETAIL OF SEAL BETWEEN PIPE SLEEVE AND CONDUIT TO THE ENGINEER FOR APPROVAL.



SECTION THROUGH EXISTING ABUTMENT BACKWALL



SECTION A-A

NOT TO SCALE

ITS-704-02

NEW JERSEY DEPARTMENT OF TRANSPORTATION

ITS DETAILS

TYPICAL CONDUIT HANGER ATTACHMENTS

SHEET 2 OF 2

BDC-11D-03	MISC. CHANGES
BDC-07D-03	ORIGINAL SHEET

NJDOT Design Services

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