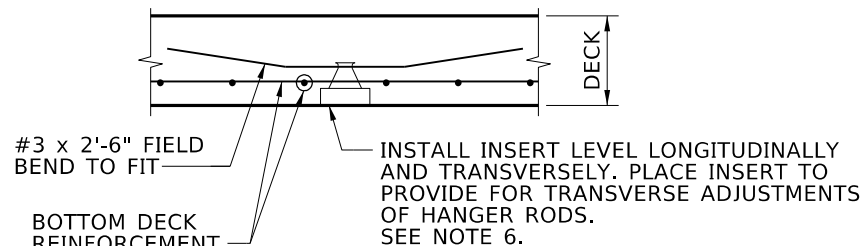


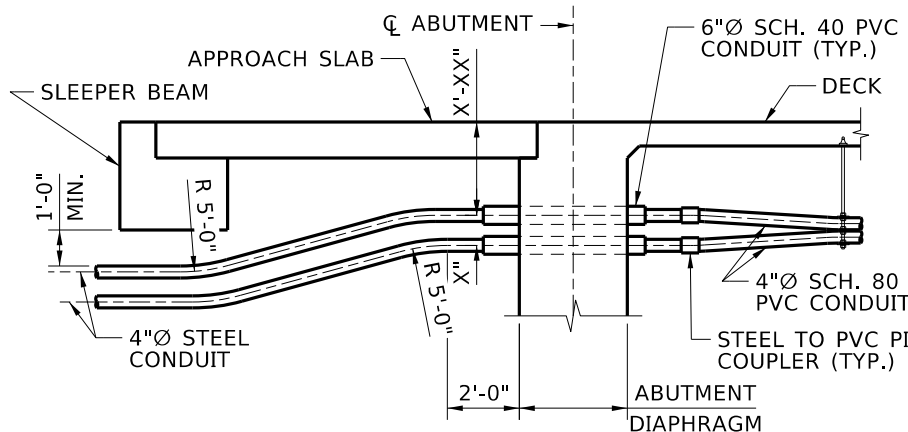
6"Ø SCH. 40 PVC INSERTS FOR 4"Ø SCH. 80 PVC CONDUIT. EXTEND 6" EACH SIDE OF DIAPHRAGM. CAP BOTH ENDS OF UNUSED INSERTS.

INTERMEDIATE DIAPHRAGM DETAILS

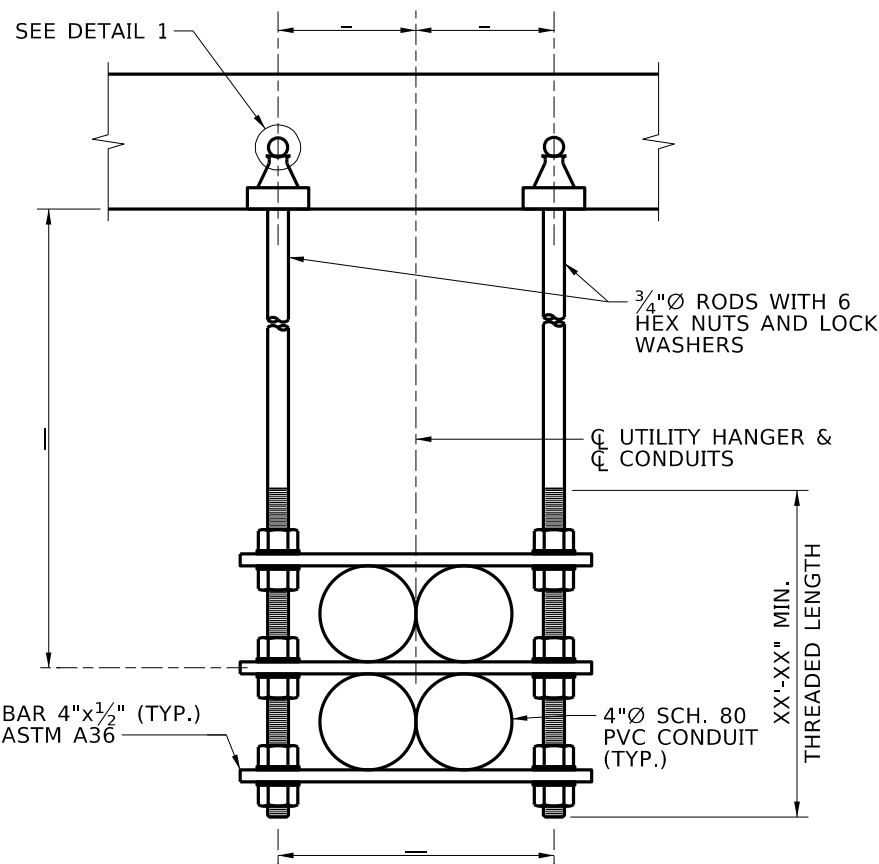
3/16" = 1'-0"



DETAIL 1
NTS

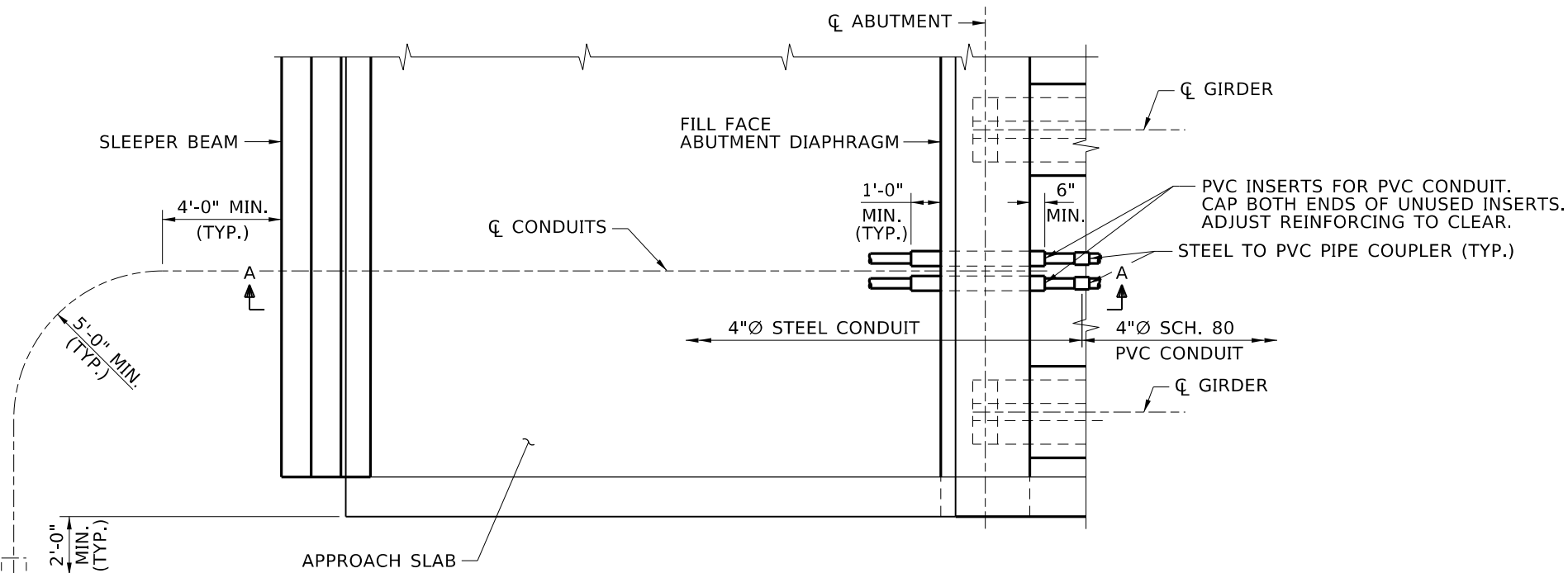


SECTION A-A
NTS



UTILITY HANGER DETAIL

3/16" = 1'-0"



PARTIAL UTILITY PLAN

3/16" = 1'-0"

NOTES

1. INSTALL A PULL ROPE IN UNUSED CONDUIT AND CAP BOTH ENDS.
2. PROVIDE ANCHOR RODS IN ACCORDANCE WITH ASTM F1554 GRADE 36 AND GALVANIZED IN ACCORDANCE WITH ASTM A153.
3. PROVIDE NUTS IN ACCORDANCE WITH ASTM A563 GRADE A.
4. GALVANIZE STEEL MATERIALS AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 OR ASTM A153.
5. PROVIDE ONE SCH. 80 PVC PIPE EXPANSION COUPLER PER CONDUIT, PER SPAN (_ TOTAL). PROVIDE EXPANSION COUPLERS WITH ±1" MINIMUM MOVEMENT RANGE CAPACITY. LOCATE EXPANSION COUPLERS APPROXIMATELY AT MIDSPAN.
6. PROVIDE ZINC PLATED OR GALVANIZED CONCRETE INSERTS IN ACCORDANCE WITH ANVIL 282 UNIVERSAL CONCRETE INSERT, UNISTRUT P3246 CONCRETE INSERT, ANVIL IRON CROSS FIG. 286 CONCRETE INSERT, OR APPROVED EQUAL.
7. EXTEND PVC SLEEVES 6" BEYOND FRONT FACE OF ABUTMENTS AND 12" BEYOND FILL FACE OF ABUTMENTS. CAP BOTH ENDS OF UNUSED SLEEVES.
8. FIELD ADJUST ABUTMENT DIAPHRAGM REINFORCEMENT TO CLEAR SLEEVES.
9. FILL ANNULAR VOID BETWEEN 6"Ø PVC SLEEVES AND 4"Ø STEEL CONDUIT WITH GROUT FOLLOWING INSTALLATION OF CONDUITS.
10. COST OF FURNISHING AND INSTALLING CONCRETE INSERTS, INSERT REINFORCEMENT, UTILITY HANGER ASSEMBLIES, 4"Ø SCH. 80 PVC EXPANSION COUPLERS, 6"Ø PVC SLEEVES, 4"Ø SCH. 80 PVC CONDUITS, STEEL-TO-PVC PIPE COUPLERS, 4"Ø STEEL CONDUITS, AND GROUT ARE INCLUDED IN PAY ITEM "586-005A UTILITY CONDUIT".
11. SEE UTILITY PLANS FOR PROPOSED UTILITIES. DAYLIGHT UNUSED UTILITY CONDUITS TO PROPOSED JUNCTION BOX. CAP ENDS OF UNUSED UTILITY CONDUITS.
12. EXTEND 4"Ø STEEL CONDUITS SO THAT THEY DO NOT PENETRATE THROUGH A MSE WALL.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
DESIGN CHECKED
DETAILED
DWG. CHECKED
CORRECTIONS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME
Standards\Bridges Standard Drawings\B02_4B.DGN
DRAWING DATE: DEC 2024

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

APPROVED BY: BRIDGE ENGINEER **MICHAEL T. JOHNSON** DATE: _____

ENGLISH
PROJECT NO.

UTILITY HANGERS FOR PRESTRESSED GIRDERS
NEW CONSTRUCTION (POWER AND COMMUNICATION)
BRIDGE LRFD DESIGN MANUAL, B2.4B

BRIDGE PLANS	
BRIDGE KEY NO.	
COUNTY	KEY NO.
BRIDGE DWG. NO.	SHEET OF