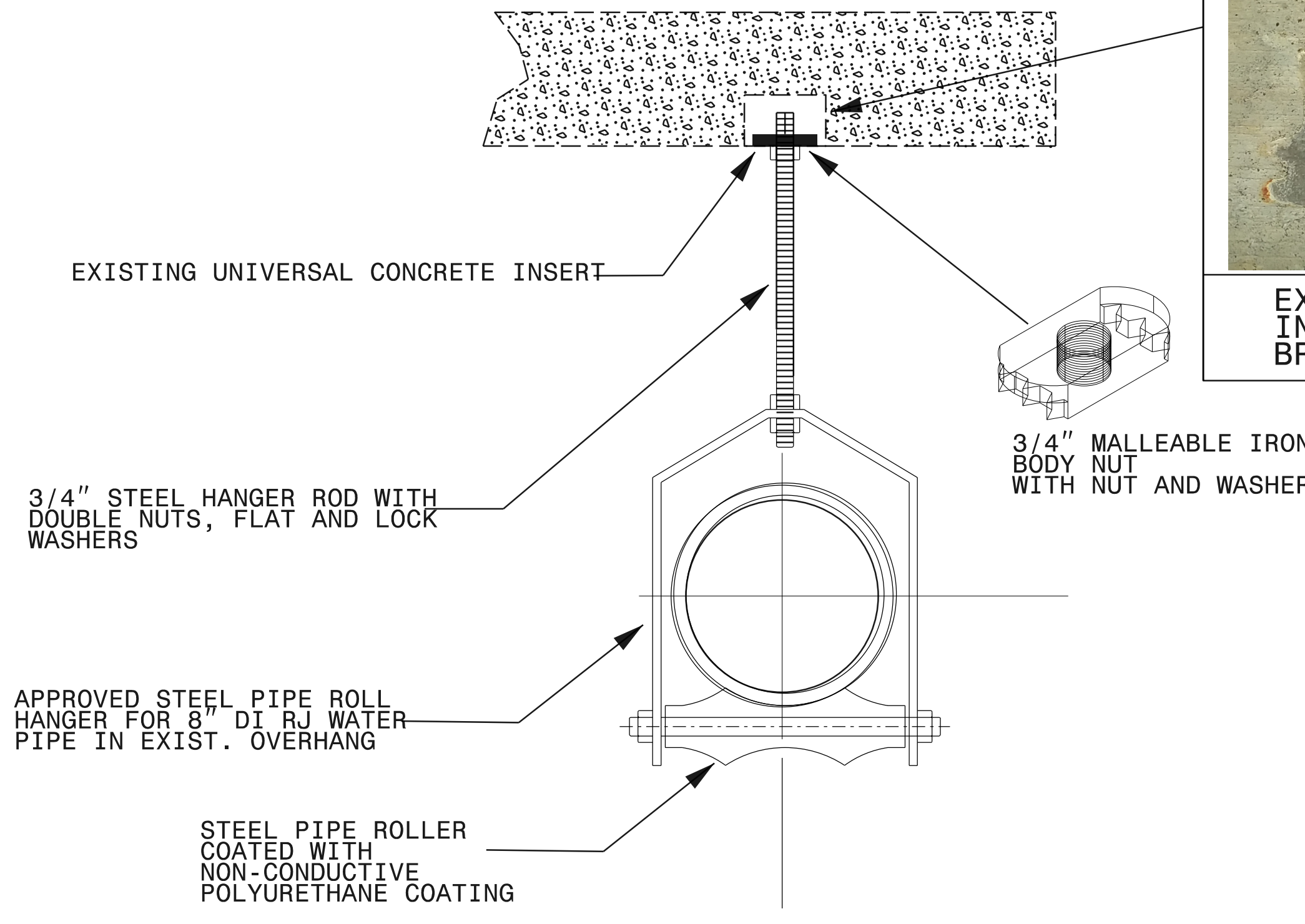


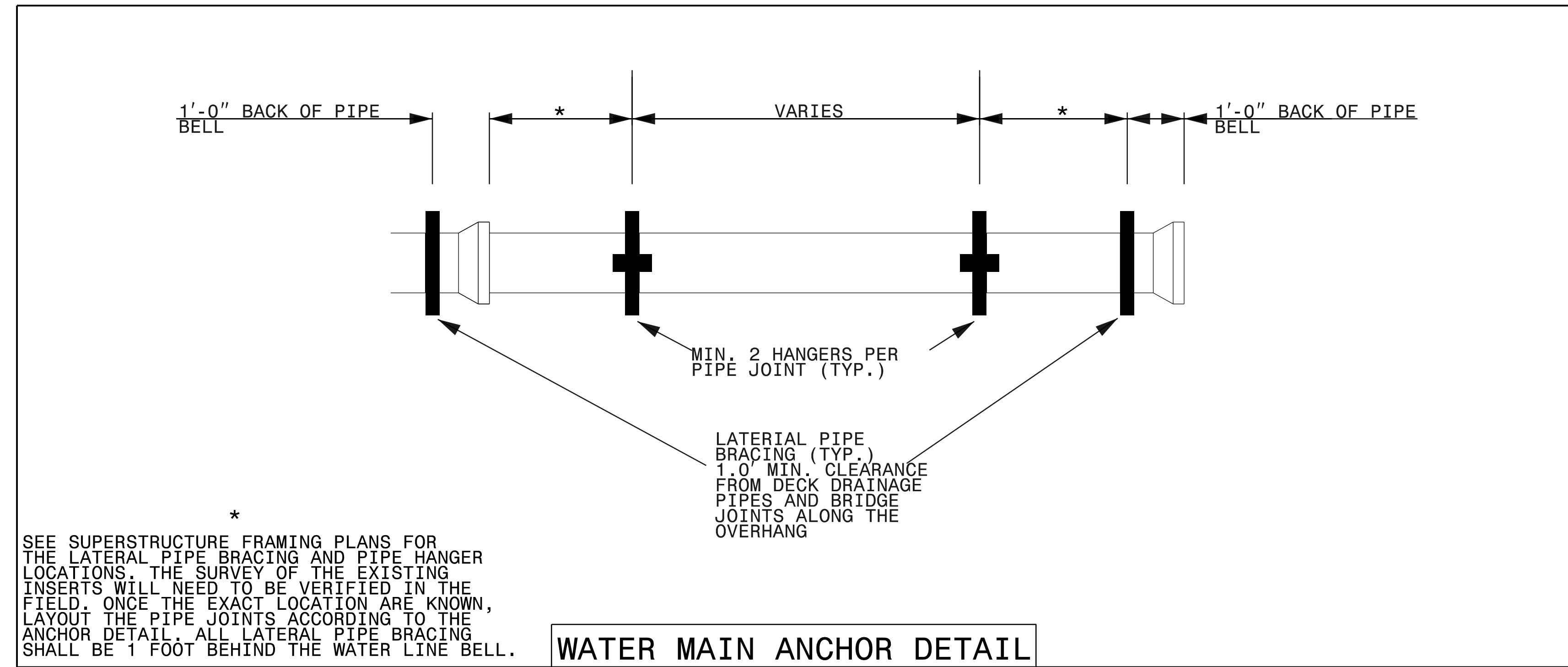
PIPE HANGER ASSEMBLY SHALL BE PAINTED WITH ONE PRIME COAT AND ONE FINAL FLAT BLACK COAT ANY PAINT DAMAGED DURING THE INSTALLATION SHALL BE RECOATED HARDWARE SHALL BE CARBON STEEL ZINC PLATED



EXIST. CONCRETE INSERTS IN THE BRIDGE OVERHANG

PIPE ROLL TYPE HANGER FOR 8" DI RJ WATER MAIN

HANGER ASSEMBLY AND HARDWARE SHALL BE HOT DIPPED GALVANIZED



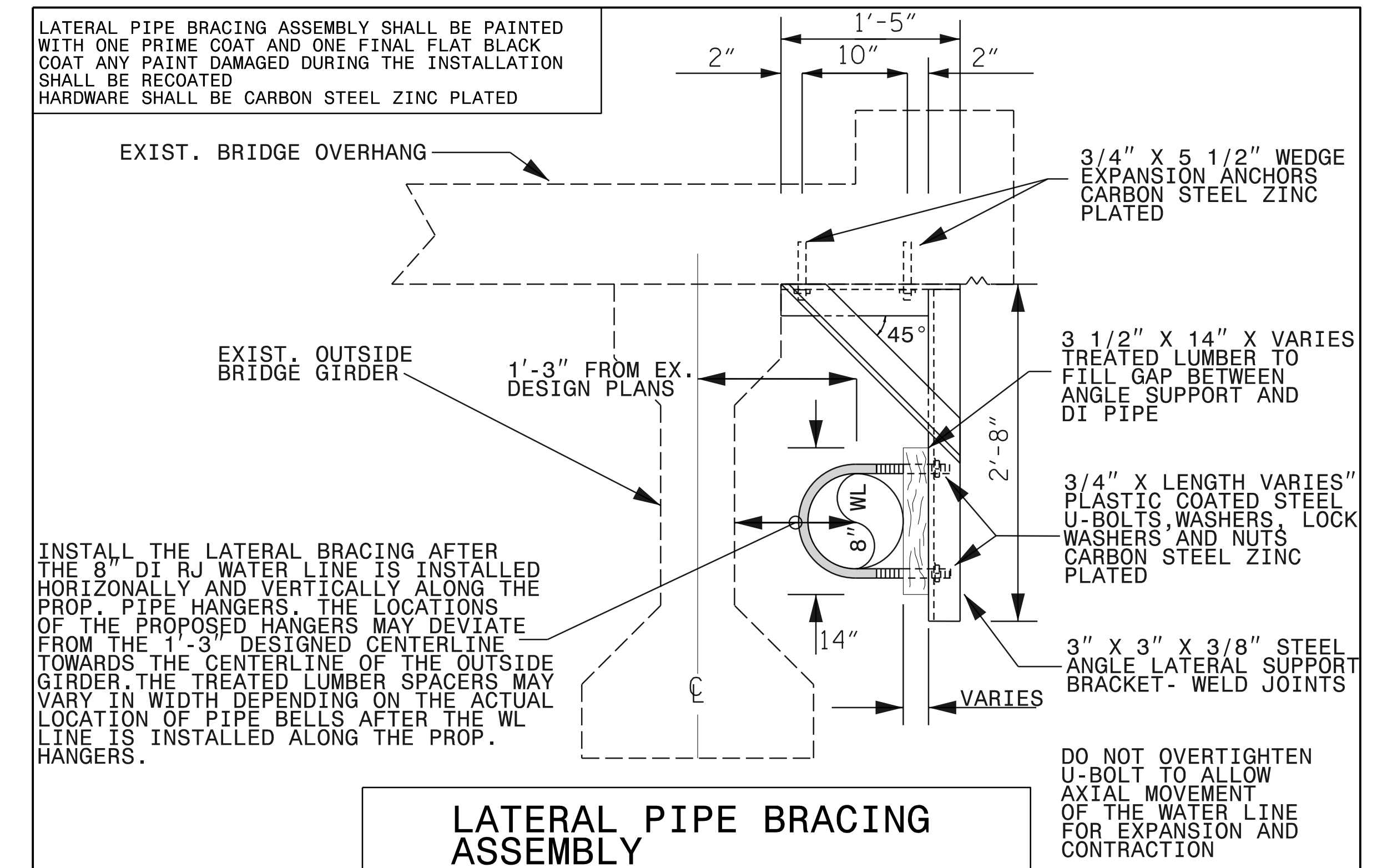
WATER MAIN ANCHOR DETAIL

* SEE SUPERSTRUCTURE FRAMING PLANS FOR THE LATERAL PIPE BRACING AND PIPE HANGER LOCATIONS. THE SURVEY OF THE EXISTING INSERTS WILL NEED TO BE VERIFIED IN THE FIELD. ONCE THE EXACT LOCATION ARE KNOWN, LAYOUT THE PIPE JOINTS ACCORDING TO THE ANCHOR DETAIL. ALL LATERAL PIPE BRACING SHALL BE 1 FOOT BEHIND THE WATER LINE BELL.

BILL OF MATERIALS FOR 8" WATER MAIN

NO.	UNITS	ITEMS
1	69 EA	PIPE HANGER ASSEMBLY (PAINTED)
2	29 EA	LATERAL PIPE BRACE ASSEMBLY (PAINTED)
3	562 LF	8" DUCTILE IRON RESTRAINED JOINT (D.I.R.J.) WATER PIPE, PRESSURE CLASS 350
4	2 EA	END PLUG FOR 8" DI WATER PIPE
5	1 CY	GROUT EXIST. ENCASEMENT AFTER PROPOSED 8" WATER LINE IS INSTALLED THRU END BENT
6	2 LOT	PAINT (AS REQUIRED)

THESE MATERIALS ARE ESTIMATED QUANTITIES ONLY AND ARE TO BE FURNISHED BY THE CONTRACTOR FOR THE ATTACHMENT TO THE EXIST. BRIDGE



LATERAL PIPE BRACING ASSEMBLY SHALL BE PAINTED WITH ONE PRIME COAT AND ONE FINAL FLAT BLACK COAT ANY PAINT DAMAGED DURING THE INSTALLATION SHALL BE RECOATED HARDWARE SHALL BE CARBON STEEL ZINC PLATED

INSTALL THE LATERAL BRACING AFTER THE 8" DI RJ WATER LINE IS INSTALLED HORIZONTALLY AND VERTICALLY ALONG THE PROP. PIPE HANGERS. THE LOCATIONS OF THE PROPOSED HANGERS MAY DEVIATE FROM THE 1'-3" DESIGNED CENTERLINE TOWARDS THE CENTERLINE OF THE OUTSIDE GIRDER. THE TREATED LUMBER SPACERS MAY VARY IN WIDTH DEPENDING ON THE ACTUAL LOCATION OF PIPE BELLS AFTER THE WL LINE IS INSTALLED ALONG THE PROP. HANGERS.

LATERAL PIPE BRACING ASSEMBLY

DO NOT OVERTIGHTEN U-BOLT TO ALLOW AXIAL MOVEMENT OF THE WATER LINE FOR EXPANSION AND CONTRACTION

PROJECT NO. B-4786
 PITT COUNTY
 STATION: SB EX. BRIDGE
 SHEET _ OF _

STATE OF NORTH CAROLINA
 PROFESSIONAL ENGINEER
 COREY D. BOUSQUET, P.E.
 23041
 3/22/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HINDE ENGINEERING
 401 Harrison Oaks Blvd., Suite 200, Cary, NC 27513

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

8" WATER LINE BRIDGE ATTACHMENT DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	NO.
1			3			SU-10
2			4			

DRAWN BY : SBW DATE : 8-18
 CHECKED BY : DATE :
 DESIGN ENGINEER OF RECORD: DATE :