CONTRACT NO. 64178

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
549	116RS-1	OGLE	593	234
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

METAL END SECTIONS, SPECIAL
STA 672+00 LT

CONTECH PIPES NOTES:

1) ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF PIPES, SHALL BE VERIFIED BY THE ENGINEER PRIOR TO RELEASING FOR FABRICATION.
2) ALL CUTS, AND WELDS SHALL BE PAINTED WITH A ZINC RICH PAINT (GALVANOX OR EQUIVALENT) BASED PAINT.
3) IN SITUATIONS WHERE A FINE-GRAINED BACKFILL MATERIAL IS USED ADJACENT TO THE PIPE SYSTEM, AND ESPECIALLY IN SITUATIONS INVOLVING HIGH GROUNDWATER TABLES, CONSIDERATION SHOULD BE GIVEN TO THE USE OF GASKETED PIPE JOINTS. AT THE VERY LEAST, THE PIPE JOINTS SHOULD BE WRAPPED IN A SUITABLE, NON-WOVEN GEOTEXTILE FABRIC TO PREVENT INFILTRATION OF FINES INTO THE PIPE SYSTEM."
4) PIPE MADE FROM 48"*9 EQRS, 3"x1" ALT2, XXga., CORRUGATED STEEL PIPE ARCH
5) MINIMUM COVER HEIGHT FOR PIPE DESCRIBED IN NOTE #4 IS 12".
6) CSP IS SUBJECT TO MANUFACTURERS TOLERANCES.
7) THE METAL END SECTIONS, SPECIAL SHALL BE CONSTRUCTED ACCORDING TO SECTION 542 OF THE STANDARD SPECIFICATION AND AS SPECIFIED HEREIN.
8) THE METAL END SECTIONS, SPECIAL SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR METAL END SECTIONS, SPECIAL WHICH PRICE SHALL INCLUDE WALE NUTS, BOLTS, NUTS, WALE BEAMS, ANCHOR RODS, DEADMAN ANCHORS, HUGGER BAND, PLATES, ALUMINUM 48" EQRS PIPE, CORRUGATED ALUMINUM (SOLID STUB), AND NECESSARY ONSITE FABRICATION NEEDED TO ASSEMBLE IN PLACE.

SPECIFICATION FOR ALUMINUM STRUCTURAL PLATE

SCOPE: THIS SPECIFICATION COVERS THE MANUFACTURE AND INSTALLATION OF THE ALUMINUM STRUCTURAL PLATE STRUCTURE DETAILED IN THE PLANS.

MATERIAL: THE ALUMINUM STRUCTURAL PLATE STRUCTURE SHALL CONSIST OF PLATES AND APPURTENANT ITEMS AS SHOWN ON THE PLANS AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO 219 AND ASTM B 746. THE CORRUGATED PLATE (AND RIBS IF REQUIRED) SHALL BE CURVED AND BOLT HOLE PUNCHED AT THE PLANT. PLATE THICKNESS AND RIB SPACINGS SHALL BE AS INDICATED ON THE PLANS. ALL MANUFACTURING PROCESSES INCLUDING CORRUGATING, PUNCHING, CURVING AND GALVANIZING SHALL BE PERFORMED WITHIN THE UNITED STATES USING RAW MATERIALS MADE IN THE UNITED STATES.

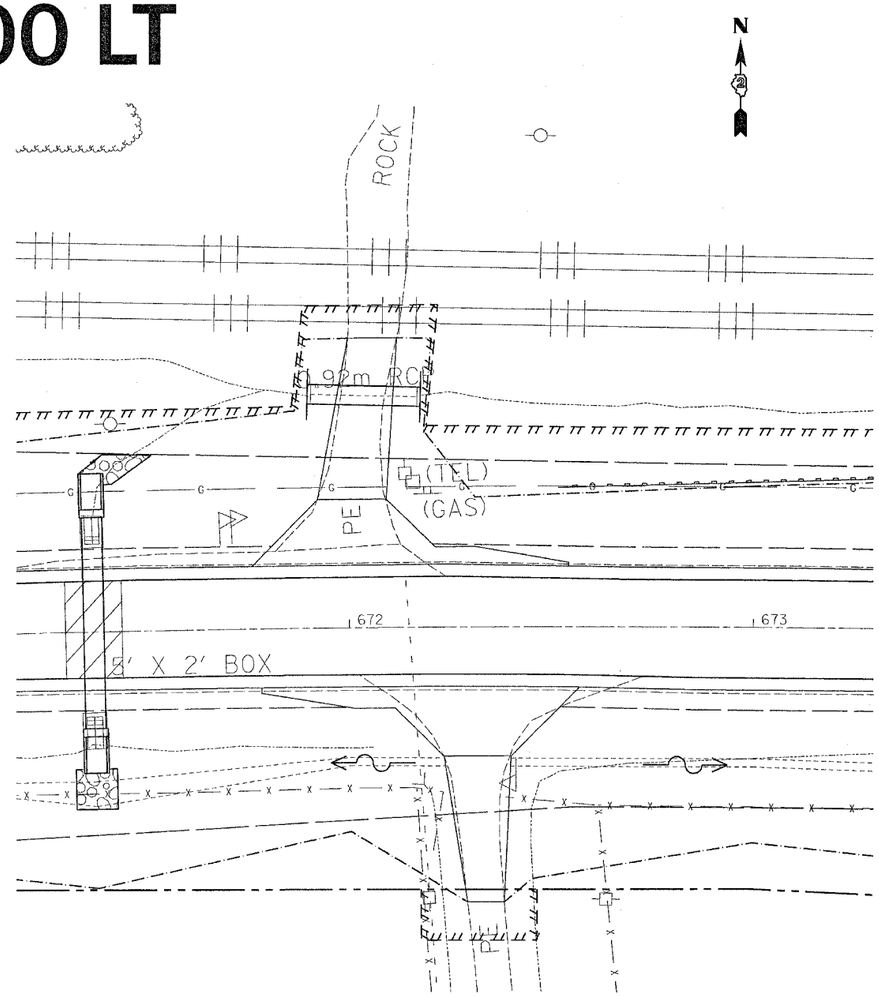
BOLTS AND NUTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307 OR ASTM A449.

ASSEMBLY: THE STRUCTURE SHALL BE ASSEMBLED IN ACCORDANCE WITH THE SHOP DRAWINGS PROVIDED BY THE MANUFACTURER AND PER THE MANUFACTURER'S RECOMMENDATIONS. BOLTS SHALL BE TIGHTENED USING AN APPLIED TORQUE OF BETWEEN 100 AND 150 FT.-LBS.

INSTALLATION: THE STRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, THE MANUFACTURER'S RECOMMENDATIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 26 (DIVISION II).

BACKFILL: THE STRUCTURE SHALL BE BACKFILLED USING CLEAN WELL GRADED GRANULAR MATERIAL THAT MEETS THE REQUIREMENTS OF AASHTO M 145 FOR SOIL CLASSIFICATIONS A-1, A-2 OR A3. BACKFILL MUST BE PLACED SYMMETRICALLY ON EACH SIDE OF THE STRUCTURE IN 6 TO 8 INCH LIFTS. EACH LIFT SHALL BE COMPACTED TO A MINIMUM OF 90 PERCENT DENSITY PER AASHTO T-99.

NOTE: CONSTRUCTION LOADS THAT EXCEED HIGHWAY LOAD LIMITS ARE NOT ALLOWED ON THE STRUCTURE WITHOUT APPROVAL FROM THE ENGINEER.



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DRAWN BY
DATE
CHECKED BY

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