NOTES:
1. SADDLE CURVATURE TO BE SHOP FORMED TO MEET OUTSIDE STEEL DIAMETER OF PIPE.
2. AFTER SHOP WELDING OF HALF COUPLING TO CURVED SADDLE, SHOP GRIND/HALF COUPLING TO MEET DIAMETER OF PIPE.

<table>
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<tr>
<th>CORP DIAM (IN)</th>
<th>EX HEAVY HS COUPL</th>
<th>SADDLE DIA</th>
<th>PLATE THICKNESS</th>
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WELDED SERVICE SADDLE OUTLETS SHOWING BRONZE BUSHING FOR 3/4" THRU 2" CORPORATION STOPS

NOTES:
1. OUTLETS ARE DESIGNED FOR A MAXIMUM TEST PRESSURE OF 225 PSI.
2. FABRICATION SHALL BE IN ACCORDANCE WITH THE APPlicable SECTIONS OF THE LATEST REVISION OF THE API-524 CODE FOR UNIFlRED PRESSURE VESSELS.
3. ALL OUTLETS SHALL BE CEMENT MORTAR LINED AND COATED. ALL OTHER BARE METAL SHALL BE COATED WITH AN APPROVED BITUMASTIC.
4. REFER TO B-288 FOR FLANGE DIMENSIONS.
5. L = 12" FOR SHOP FABRICATED OUTLETS. L = 5" MIN/6" MAX FOR FIELD INSTALLED WET TAPPED OUTLETS.
6. T3 IS THE PIPE CYLINDER THICKNESS.

SADDLE OUTLETS
3/4" TO 36" DIAMETERS

REVISIONS

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REFERENCES:
SUPERCEDES A-297

FILE I.D.: Uaaahung\umd\dwg\18-271.dgn
DRAWN BY: CRD

QUALITY CONTROL

APPROVALS

EMWD
EASTERN MUNICIPAL WATER DISTRICT
STANDARD DRAWING

D. C. Stewart
DIRECTOR OF ENGINEERING

Doyle T. Deen
CHIEF ENGINEER