

U-BOLT (SIZED AS NEEDED)

2" POLYURETHANE
INSULATION WITH
ALUMINUM JACKET

RESTRAINED MECHANICAL
JOINT DUCTILE IRON PIPE
(SIZED AS NEEDED)

INSULATION
PROTECTION SHIELD

ROLLER CHAIR

WASHER PLATE
(SIZED AS NEEDED)

HEAVY DUTY
SUPPORT BRACKET

CHANNEL SPACER MAY BE
REQUIRED FOR VERTICAL
BRACKET BOLT

CONCRETE BRIDGE
PARAPET

FOR PROPOSED CONCRETE
POURED IN PLACE USE A
MINIMUM TYPE 304
STAINLESS STEEL 3/4"
WELDLESS EYE NUT AND
ROD ATTACHED TO BRIDGE
REINFORCED RODS WITH A
MINIMUM DESIGN
STRENGTH OF 3200 PSI.
(OR APPROVED EQUAL)

CONCRETE BRIDGE
DECK (SLAB)

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INSULATION WITH
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JOINT DUCTILE IRON PIPE
(SIZED AS NEEDED)

INSULATION
PROTECTION SHIELD

ROLLER CHAIR

HEAVY DUTY
SUPPORT BRACKET

NOTES:

ALL COMPONENTS FOR HANGING A
PIPELINE ON A BRIDGE SHALL BE
MINIMUM TYPE 304 STAINLESS STEEL.

IF CONCRETE COMPRESSIVE
STRENGTH TEST IS LESS THAN
4,000 PSI, ROLLER ASSEMBLIES
SHALL BE INSTALLED WITH A
MAXIMUM SPAN NOT TO EXCEED
6' BETWEEN ASSEMBLIES.

FOR EXISTING CONCRETE BRIDGE
DECK AND PARAPET USE 2.4.11 HILTI
HIT-HY 200 ADHESIVE AND HILTI
HIT-Z-R THREADED ANCHOR RODS
TYPE 316 STAINLESS STEEL WITH A
MINIMUM DESIGN STRENGTH OF 4000
PSI. (OR APPROVED EQUAL)

ROLLER ASSEMBLY SPACING:

ROLLER ASSEMBLIES TO BE INSTALLED
2' TO 4' EITHER SIDE OF THE BELL
FACE WITH AN MAXIMUM SPAN NOT
TO EXCEED 8' BETWEEN ASSEMBLIES.

INSTALLED IN ACCORDANCE WITH
MANUFACTURER'S SPECIFICATIONS.

REFERENCE SHEET WDET028C
FOR ADDITIONAL NOTES

NEW BRIDGE DECK AND PARAPET

METRO WATER SERVICES

INSTALLING PIPELINE ON
SIDE OF BRIDGE STRUCTURE
ROLLER CHAIR AND BRACKET

NOT TO SCALE | DATE: 06/26/14

DWG. NO. WDET028A

METRO
WATER SERVICES

Hal Balthrop

LICENSED DISTRIBUTION SYSTEM OPERATOR

Wt
DIRECTOR OF WATER AND SEWERAGE SERVICES