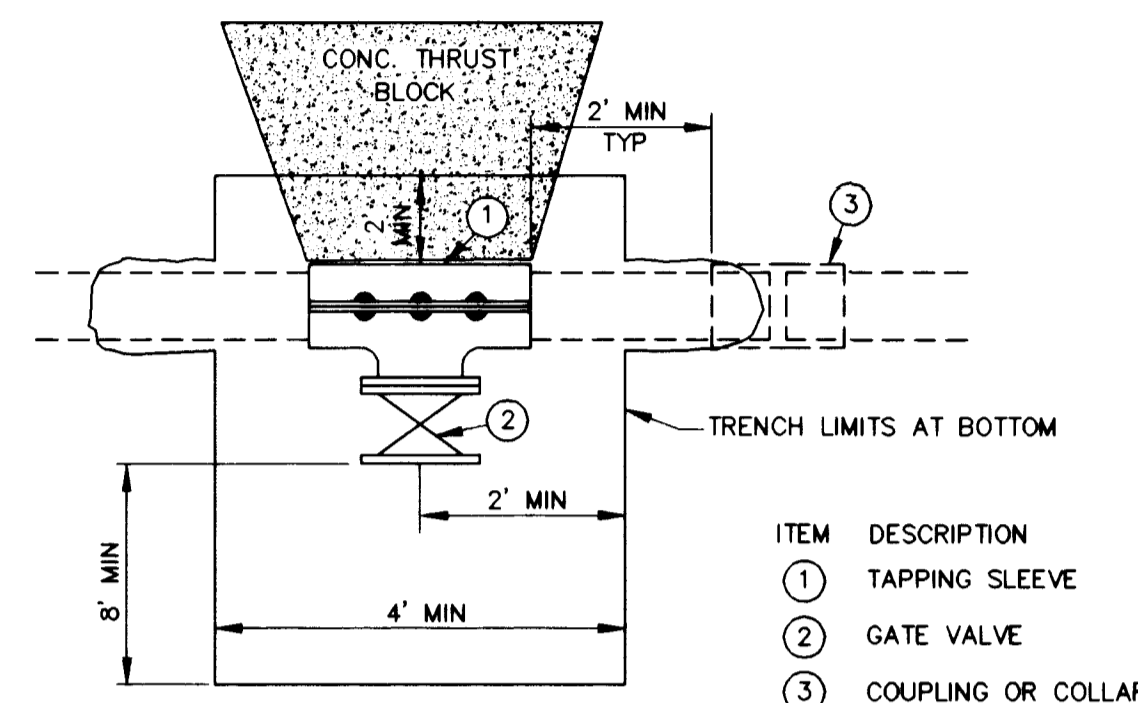


**GENERAL NOTES**

PL12-10 102698

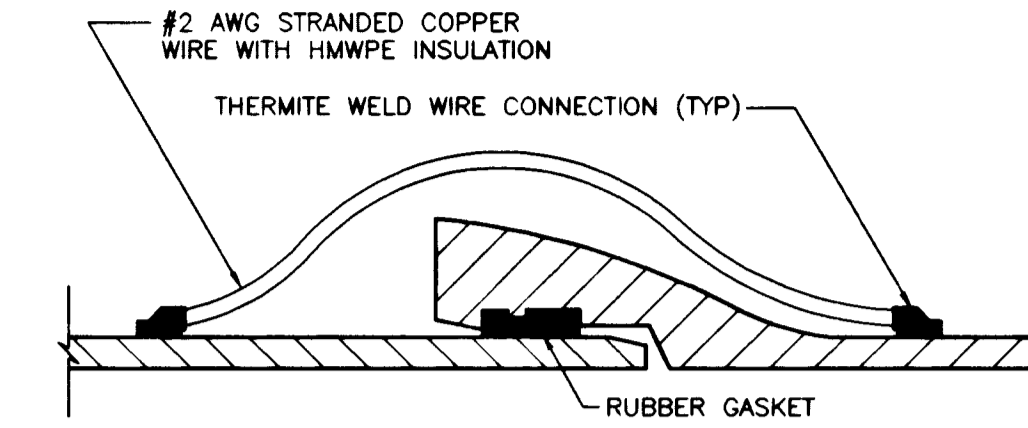
- ALL TEST LEADS AND ANODE LEADS SHALL BE ATTACHED TO THE STEEL CYLINDER OF THE PIPE BY MEANS OF A "CADWELD" EXOTHERMIC WELD.
- ALL TEST LEADS AND ANODE LEADS SHALL BE ATTACHED TO EITHER THE PIPELINE'S BELL END, SPIGOT END OR PLAIN END AS SHOWN ON THE DRAWING.
- ALL EXPOSED PORTIONS OF THE EXOTHERMIC WELD AND COPPER CABLE CONDUCTORS SHALL BE COATED WITH A SCOTCHCOAT 4 INSULATING RESIN PRIOR TO PLACING GROUT AROUND THE PIPELINE JOINT.
- ALL TEST LEADS AND ANODE LEADS SHALL BE RUN WITHOUT SPLICES FROM THE CONNECTION AT THE PIPE TO THE CONNECTION AT THE TEST STATION BOX.
- ALL TEST LEADS AND ANODE TEST LEADS INSIDE THE TEST BOX SHALL BE BUNDLED TOGETHER AT 8 INCH INTERVALS WITH NYLON CABLE TIES. ALL TEST STATION LEADS SHALL BE PROVIDED WITH SUFFICIENT SLACK SO THAT THE TEST BOARD MAY BE EXTENDED A MINIMUM OF 4 FEET ABOVE THE TEST BOX.
- ALL TEST LEADS AND ANODE LEADS SHALL BE COLOR CODED WITH COLORED TAPE AT EACH END AND AT 4 FOOT INTERVALS. COLOR CODE SHALL BE AS FOLLOWS:  
 TEST STATION LEADS FROM PIPE - WHITE  
 REFERENCE CELL TEST LEADS - RED  
 ANODE TEST LEADS - GREEN  
 200' TEST LEAD - BLUE  
 FOREIGN PIPE LEAD - YELLOW
- ALL TEST LEADS AND ANODE LEADS SHALL BE CONNECTED TO THE BRASS BOLTS ON THE TEST BOARD WITH SOLDERLESS SCREW TIGHT COPPER LUG CONNECTORS OR PRESSURE TERMINAL CONNECTORS.
- ALL TEST LEADS AND ANODE TEST LEADS SHALL HAVE A MINIMUM OF 4' OF SLACK NEAR THE PIPE JOINT TO PREVENT DAMAGE DURING THE BACKFILL OPERATION.
- ALL TEST LEADS AND ANODE TEST LEADS SHALL BE PLACED ALONG THE SIDE AND BELOW THE SPRINGLINE OF THE PIPE.

*7/28/99*  
 LAB VEGAS VALLEY WATER DISTRICT DATE



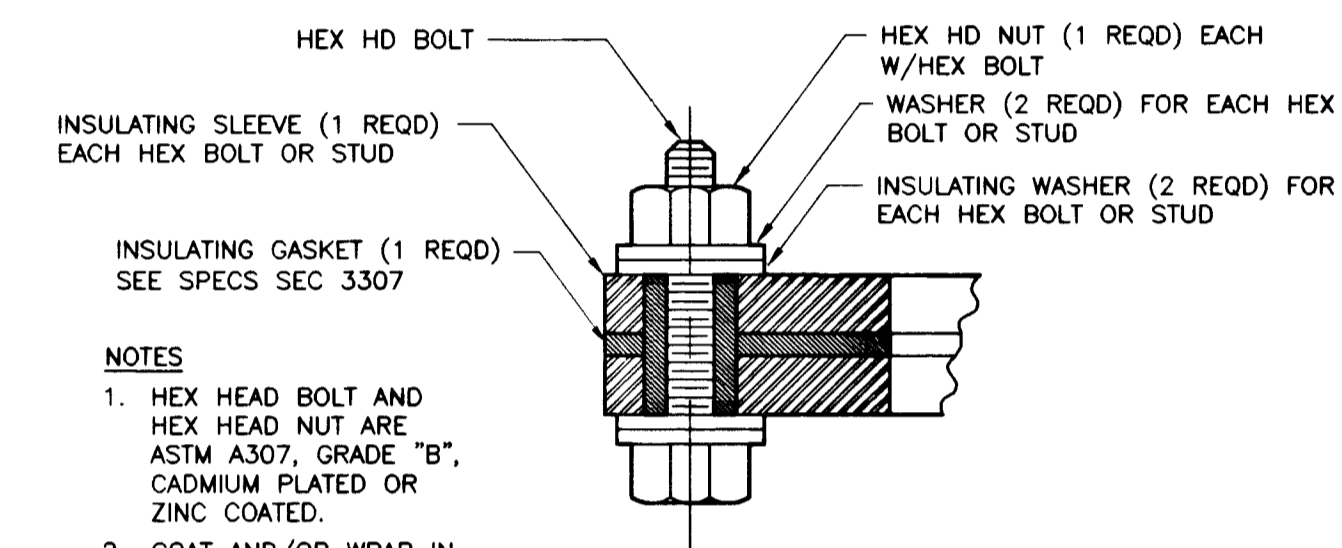
- NOTES:  
 A. CLEARANCE FROM A COLLAR OR PIPE JOINT SHALL BE A MINIMUM OF 2 FEET FROM THE EDGE OF TAPPING SLEEVE TO COLLAR OR PIPE JOINT. THE EXISTING PIPE SHALL BE EXPOSED SUFFICIENTLY TO ENSURE THAT SUCH MINIMUM CLEARANCE IS PROVIDED.  
 B. TRENCH DEPTH OF 5 FEET AND OVER MUST HAVE NOSHA APPROVED SHORING AND A LADDER THAT EXTENDS A MINIMUM OF 3 FEET ABOVE THE EXISTING GROUND ELEVATION.

**EXCAVATION FOR WET TAPS** 8 C9  
 NOT TO SCALE PL15-3 022797



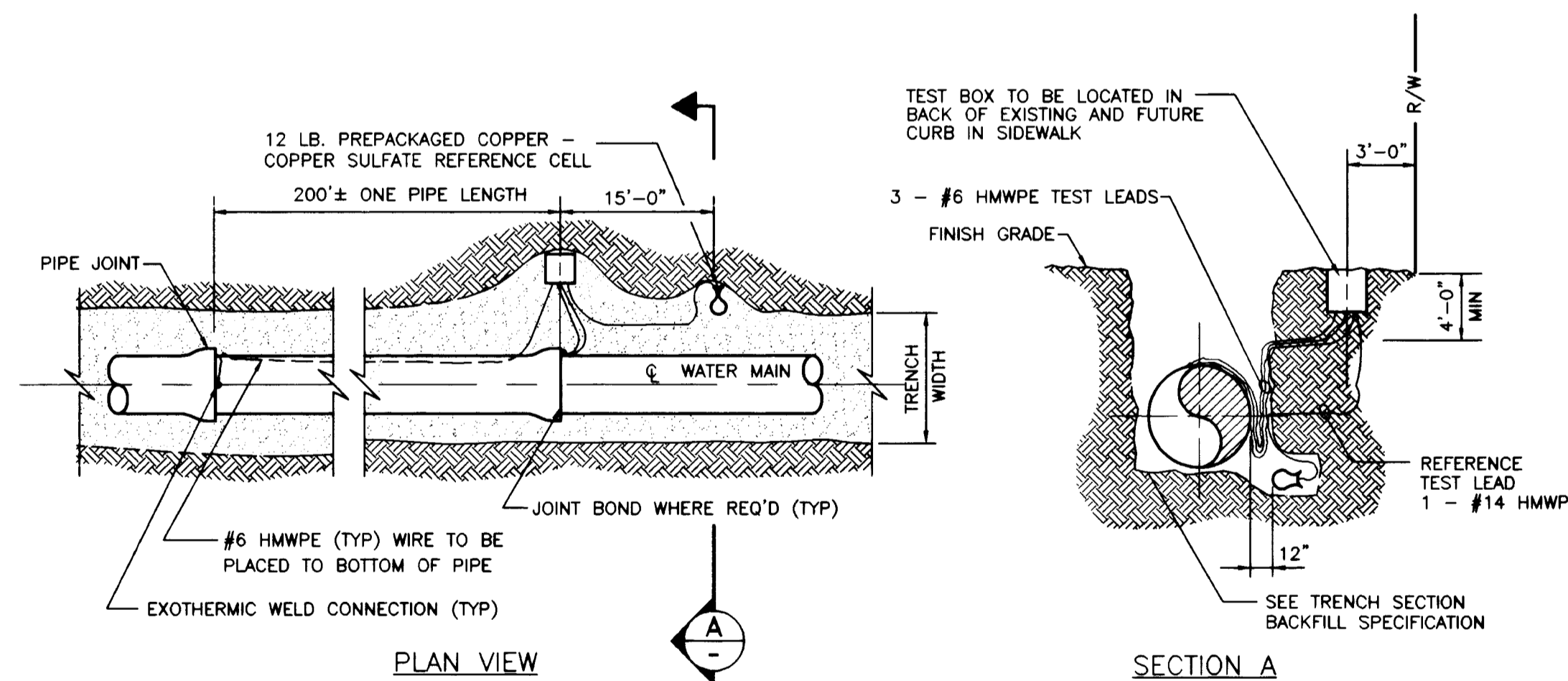
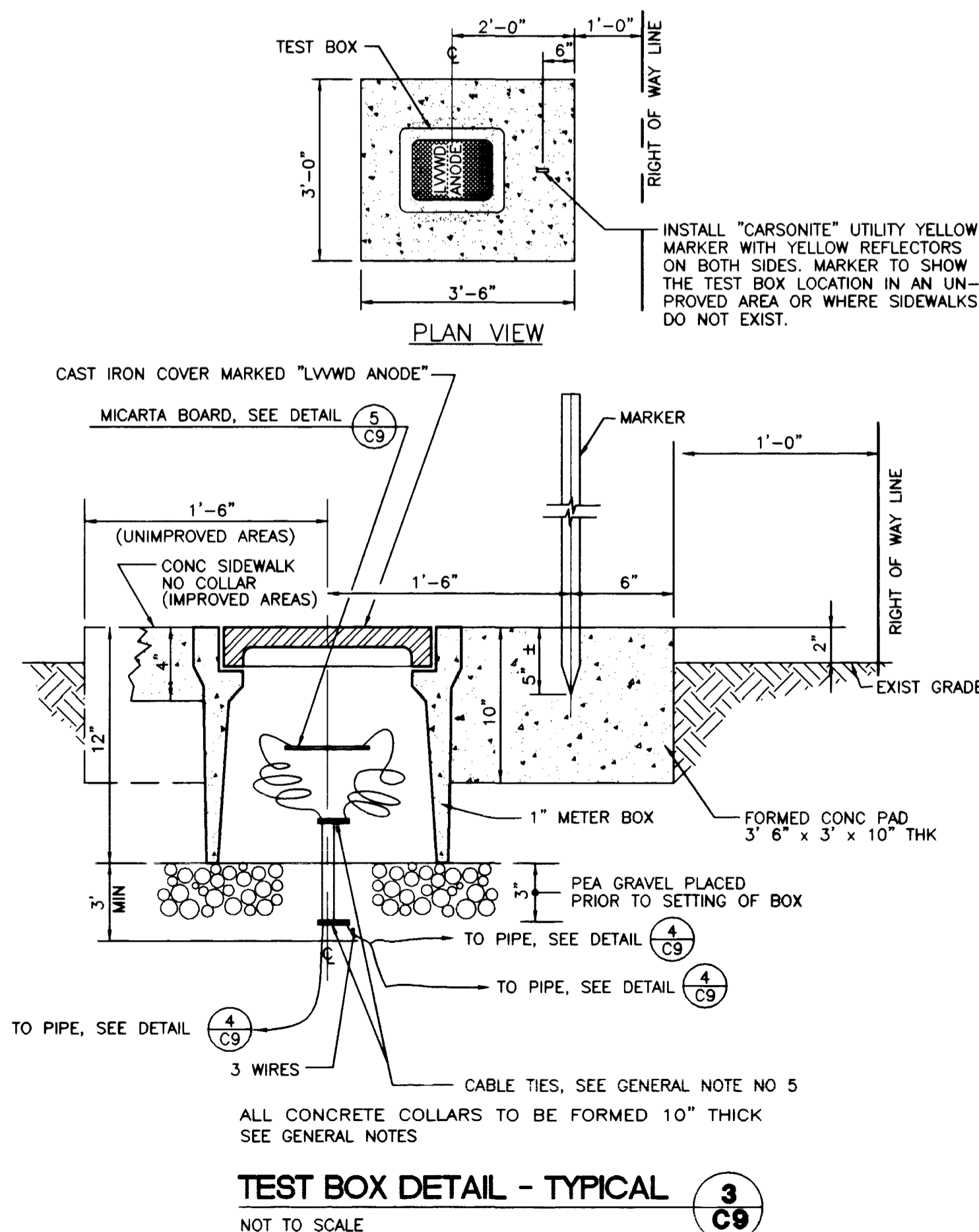
- NOTES  
 1. INSTALL TWO BOND WIRES AT EACH PIPE JOINT.

**PUSH-ON JOINT BOND DETAIL** 7 C9  
 DUCTILE IRON PIPE  
 NOT TO SCALE



- NOTES  
 1. HEX HEAD BOLT AND HEX HEAD NUT ARE ASTM A307, GRADE "B", CADMIUM PLATED OR ZINC COATED.  
 2. COAT AND/OR WRAP IN ACCORDANCE WITH DIVISION 15.

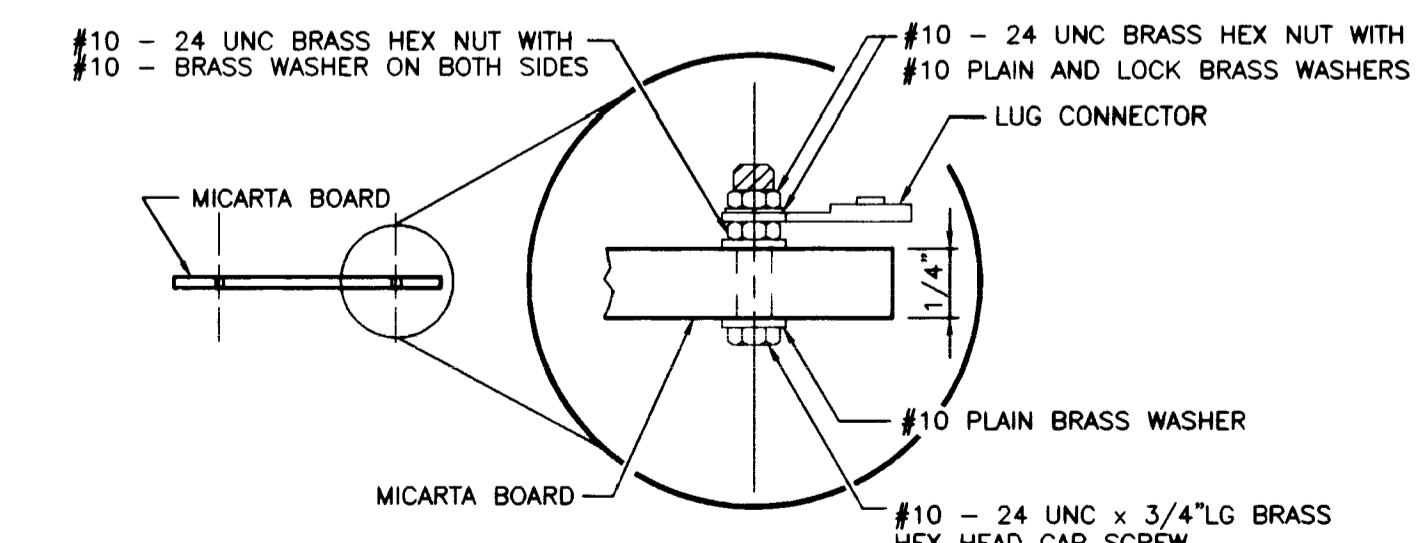
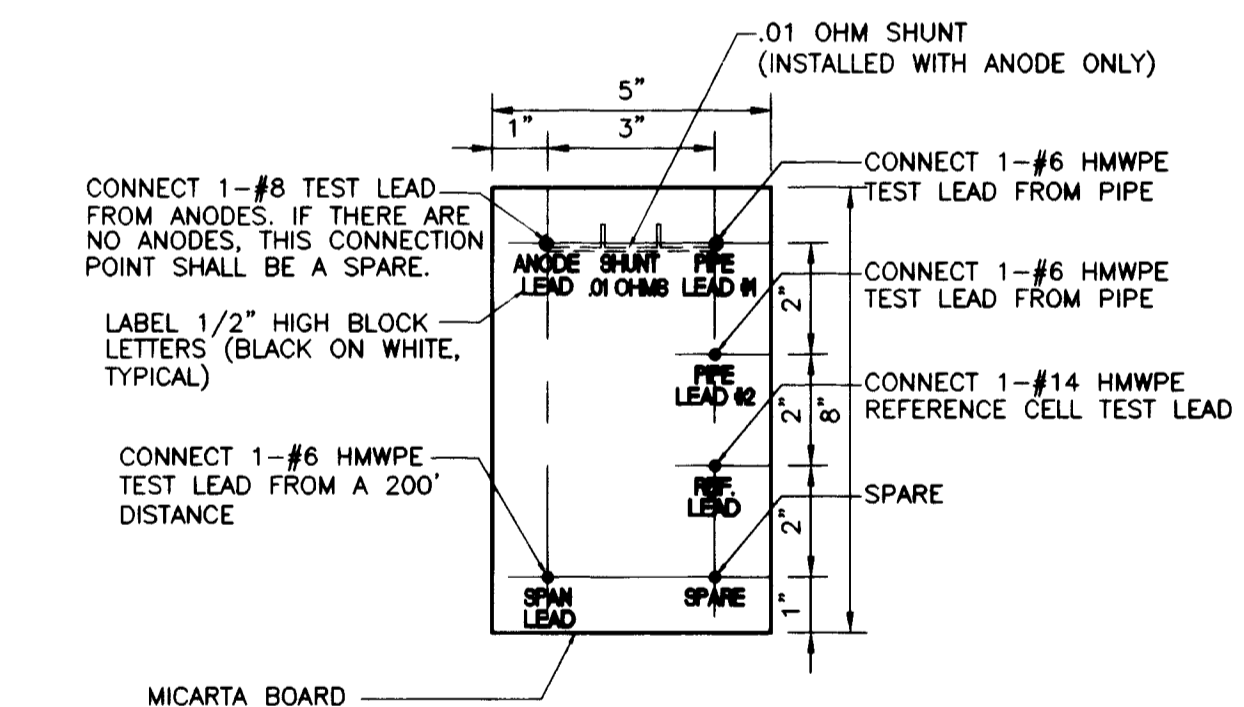
**INSULATING FLANGE DETAIL** 6 C9  
 NOT TO SCALE PL05-4 031297



- NOTES  
 1. USE ONLY NATIVE SOIL FREE OF ROCKS AND CLODS FOR BACKFILL AROUND CELLS WITH A MINIMUM OF 5 GALS OF WATER SATURATION DURING INSTALLATION. DO NOT USE SAND AS BACKFILL.  
 2. SUPPLY ENOUGH WIRE FROM EACH LEAD TO REACH FULL R/W WIDTH PLUS FIVE (5) ADDITIONAL FEET. COIL WIRE IN BOTTOM OF BOX.

APPROXIMATE PIPELINE STATION FOR INSTALLATION WITHOUT ANODES		
MLCP OR DIP PIPE		
DWG NO.	STATION	DESCRIPTION
C6	21+50.00	AZURE DRIVE
C7	31+50.00	AZURE DRIVE

**TEST STATION INSTALLATION WITHOUT ANODES** 4 C9  
 NOT TO SCALE



**TEST BOARD DETAIL - TYPICAL** 5 C9  
 NOT TO SCALE

24" WATER MAIN PLAN AND PROFILE

EAGLE CREEK I WATER DETAILS

DRAWN BY: BSW  
 DESIGNED BY: BSW  
 CHECKED BY: BSW  
 PROJECT NO.: 9818010  
 SCALE: N/A  
 NORTH ARROW

PROFESSIONAL ENGINEER-STATE OF NEVADA  
 ROBERT W. JOHNSON  
 CIVIL  
 No. 13698  
 6/25/99

SHEET 8 OF 10 SHEETS  
 DRAWING NO. 5679-4614

Pulte Homes An American Favorite  
 Carter Burgess 6655 Bermuda Road Las Vegas, NV 89119  
 Consultants in Planning, Engineering, Architecture, Construction Management, and Related Services (702) 898-5400 Fax (702) 898-5454

REVISION BY DATE

**GENERAL NOTES**

1. ALL JOINTS SHALL BE MADE UP TO THE FULL CLASS OF THE PIPE AND SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.
2. ALL JOINTS SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.
3. ALL JOINTS SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.
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9. ALL JOINTS SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.
10. ALL JOINTS SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.

*[Handwritten Signature]*



1. COVER PLATE SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.
2. GASKET SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.
3. PIPE SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.

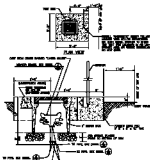
**EXHAUSTION FOR HOT TAPS**



**PUSH-ON JOINT BOND DETAIL**  
CLASS 2 RICH PIPE



**PIPE AND FLANGE DETAIL**



**TEST BOX DETAIL - TYPICAL**



1. COVER PLATE SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.
2. GASKET SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.
3. PIPE SHALL BE MADE UP TO THE FULL CLASS OF THE JOINT.

APPROVED SPECIAL PERMITS	
NO.	DATE

**TRUCK STATION INSTALLATION REHEAT ANCHORS**



**TRUCK BOND DETAIL - TYPICAL**