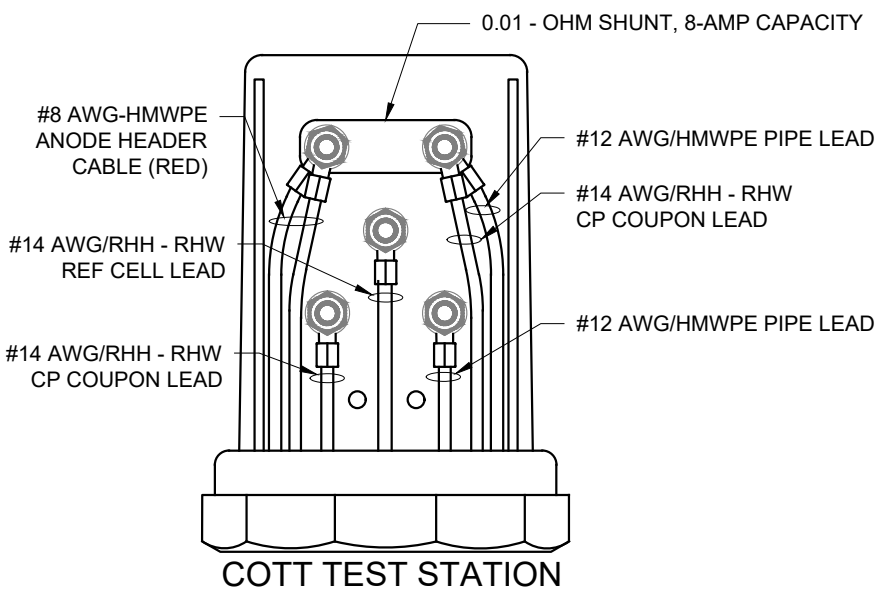


**ANODE TEST STATION WIRING MECHANIC**



**COTT TEST STATION**

**NOTES:**

1. INSTALL TWO (2) ANODES IN EACH HOLE DRILLED. DRILL TO GROUND WATER OR 12" TO 24" BELOW PIPE AND WIRE SEPARATELY.
2. ALLOW 12" SLACK IN WIRES AND TAPE AT CONDUIT ENTRANCE 3' LONG WITH FOUR LAYERS OF ELECTRICIANS TAPE.
3. LABEL WIRES IN ANODE TEST STATION USING 1" STAMPED BRASS TAGS.
4. 3" GALVANIZED PIPE MARKER REQUIRED ONLY AT LBWD'S DIRECTION.

**CATHODIC PROTECTION**

**WDS - 215**



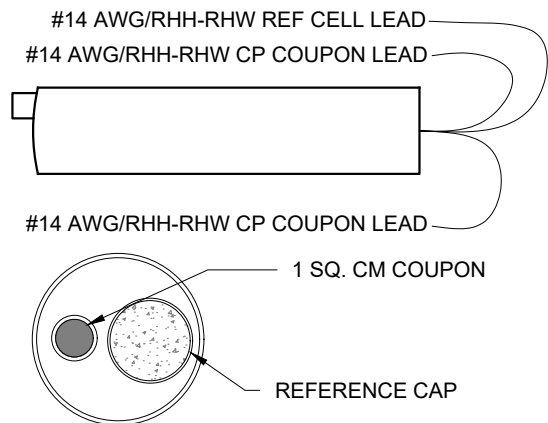
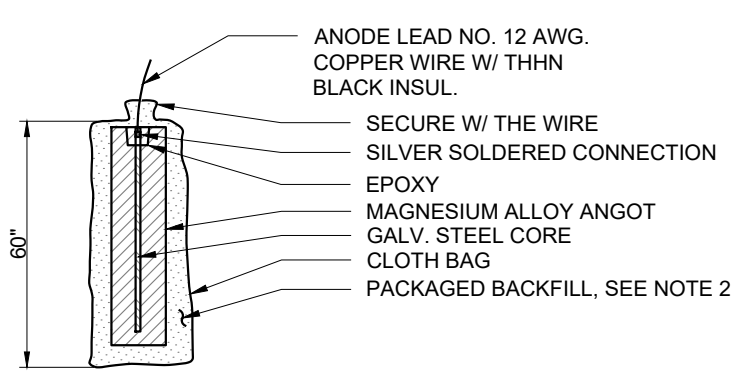
RECOMMENDED  
*Robert Johnson*  
 DIRECTOR OF ENGINEERING

APPROVED  
*Shirley Reed*  
 DEPUTY GENERAL MANAGER / CHIEF ENGINEER

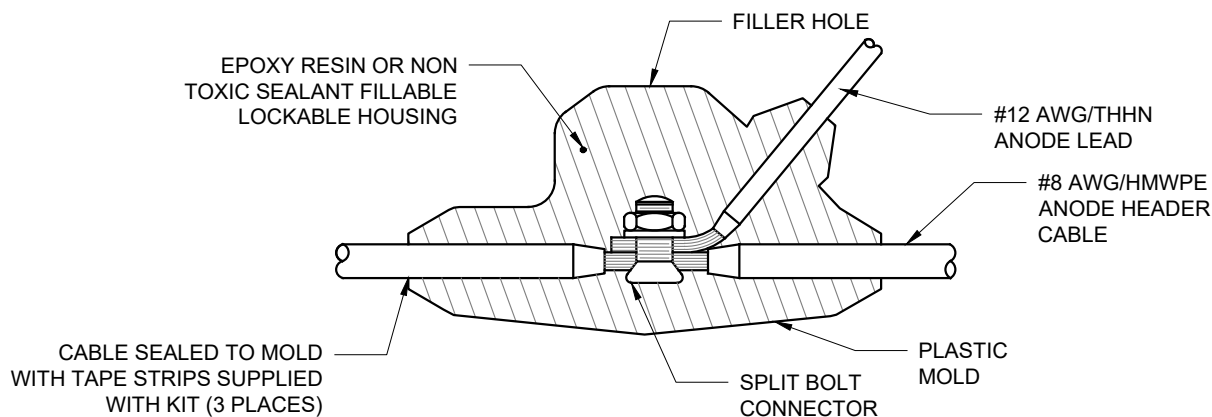
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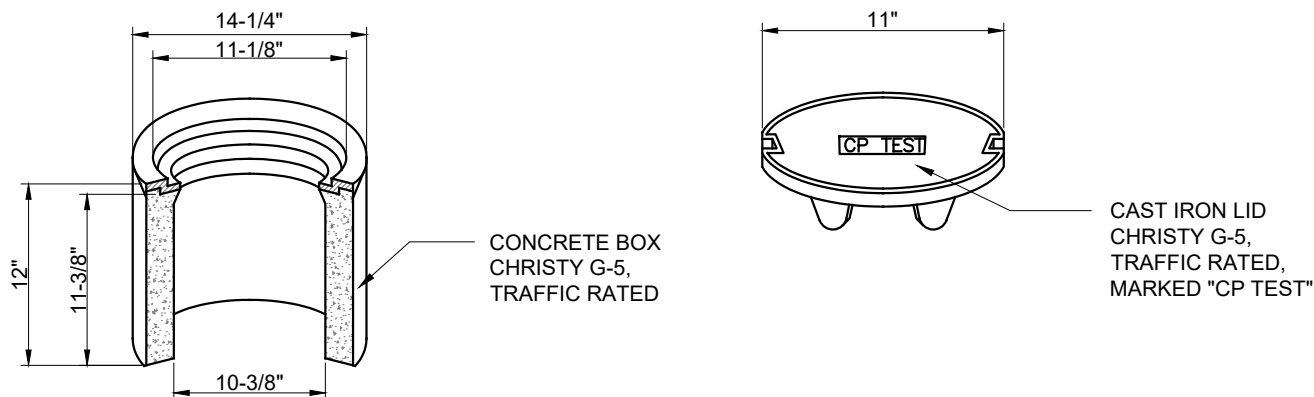
SHEET 1 OF 3



**HIGH POTENTIAL MAGNESIUM ANODE CP COUPON & REFERENCE CELL ASSEMBLY**



**SPLICING**



**TEST BOX**

**NOTES:**

1. MAGNESIUM ANODE DIMENSIONS 4" x 4" x 60".
2. SEE SPECIFICATIONS FOR CHEMICAL COMPOSITION AND BACKFILL.
3. IMPORTANT NOTE: REMOVE PLASTIC BAG FROM ANODE BEFORE INSTALLING.
4. CONTRACTOR CAN INSTALL ANODE IN THE HORIZONTAL POSITION AS DIRECTED BY LBWD.

**CATHODIC PROTECTION**

**WDS - 215**



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DIRECTOR OF ENGINEERING

APPROVED

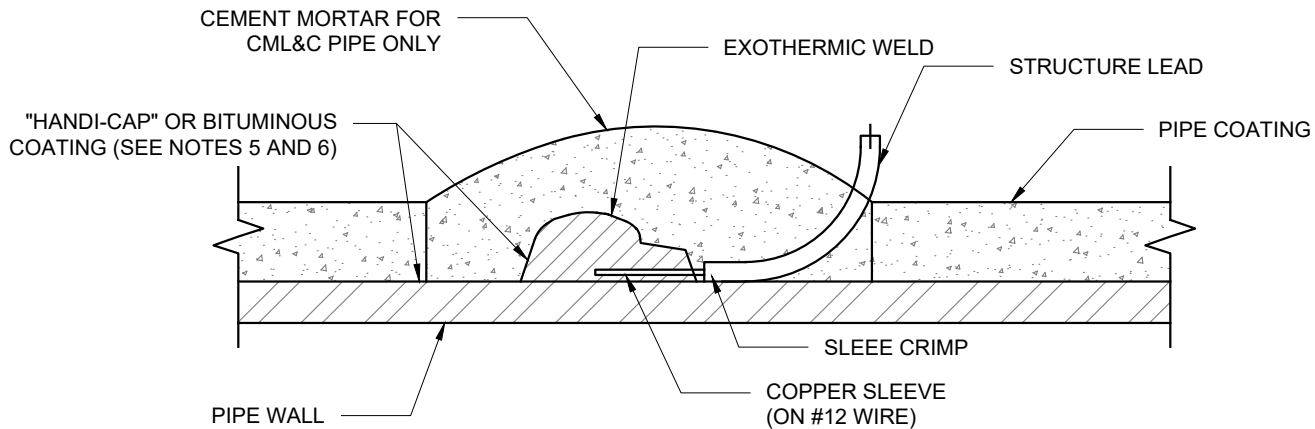
*Debra Paul*

DEPUTY GENERAL MANAGER / CHIEF ENGINEER

DATE: 02-2020

SCALE: N.T.S.

SHEET 2 OF 3

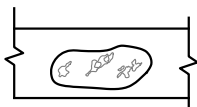


### EXOTHERMIC WELD

#### NOTES:

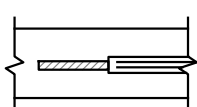
1. EXOTHERMIC WELD ALLOT BE SUITABLE FOR TYPE OF PIPE METAL (I.E. STEEL OR IRON).
2. REMOVE COATING AS REQUIRED TO FACILITATE INSTALLATION. CLEAN STEEL WITH WIRE BRUSH METHOD AND GRIND TO BRIGHT METAL PRIOR TO WELDING.
3. WELD WIRE TO PIPE FOLLOWING WELD MANUFACTURER'S DIRECTION.
4. STRIKE SIDE OF WELD SOLIDLY WITH A 16 OZ. OR LARGER HAMMER TO TEST WELD.
5. FOR CML&C PIPE, REMOVE FLUX, COAT WITH BITUMINOUS PRIMER (OPTIONAL), AND RECOAT WITH MORTAR.
6. FOR NON-CML&C PIPE COAT WITH BITUMINOUS PRIMER, APPLY "HANDY CAP" OVER EXOTHERMIC WELD. APPLY COATING TO MATCH EXISTING

#### STEP 1



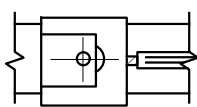
FILE SURFACE TO BRIGHT METAL AND CLEAN.

#### STEP 2



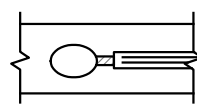
STRIP INSULATION FROM WIRE

#### STEP 3



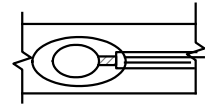
HOLD WELDER FIRMLY WITH OPENING AWAY FROM OPERATOR AND IGNITE STARTING POWDER

#### STEP 4

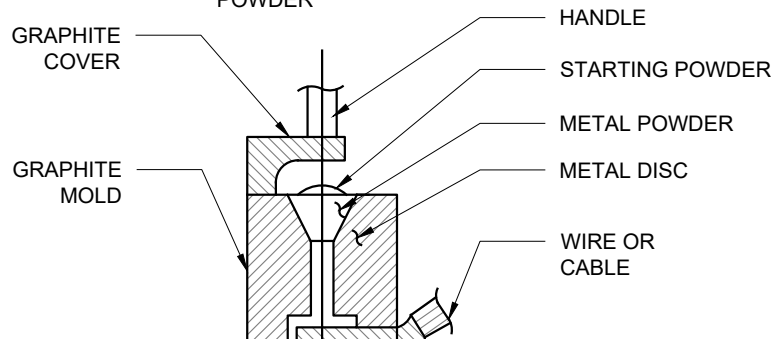


REMOVE SLAG FROM CONNECTION

#### STEP 5



COVER CONNECTION WITH BITUMINOUS COMPOUND



### WELDER SECTION

#### NOTES:

1. WELDER SHOWN IS FOR HORIZONTAL SURFACES. FOR VERTICAL SURFACES SIDE WELDER IS REQUIRED.
2. ALL WIRE SHALL BE 3" APART MINIMUM TO PERMIT WELDING.
3. STANDARD WELD CARTRIDGES SHALL BE USED FOR STEEL SURFACES.

**CATHODIC PROTECTION**

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DATE: 02-2020

SCALE: N.T.S.

SHEET 3 OF 3