

## NOTES:

1. CONTRACTOR SHALL REQUEST A TRENCH INSPECTION PRIOR TO BACKFILLING THE TRENCH. INSPECTIONS SHALL BE REQUESTED BY CALLING 702-293-9200.
2. IF THE CONDUIT RUN REQUIRES THREE (3) OR MORE NINETY DEGREE (90°) BENDS, STEEL BENDS WILL BE REQUIRED. CONTACT ENGINEERING DIVISION FOR INFORMATION. ALL BENDS SHALL HAVE A MINIMUM 36" RADIUS.
3. INSTALL 2500 POUND PULL STRING (NEPTCO WP2500P POLYESTER MULETAPE OR APPROVED EQUAL) IN EACH CONDUIT AND TIE OFF AT EACH END.
4. CONDUITS SHALL HAVE A FOUR INCH (4") MINIMUM CLEARANCE FROM TRENCH WALLS.
5. NO OTHER UTILITIES OR CONDUITS SHALL BE INSTALLED ABOVE CONDUITS SHOWN.
6. NO REDUCERS ALLOWED; CONDUIT RUNS MUST BE THE SAME SIZE THROUGHOUT THEIR ENTIRETY.

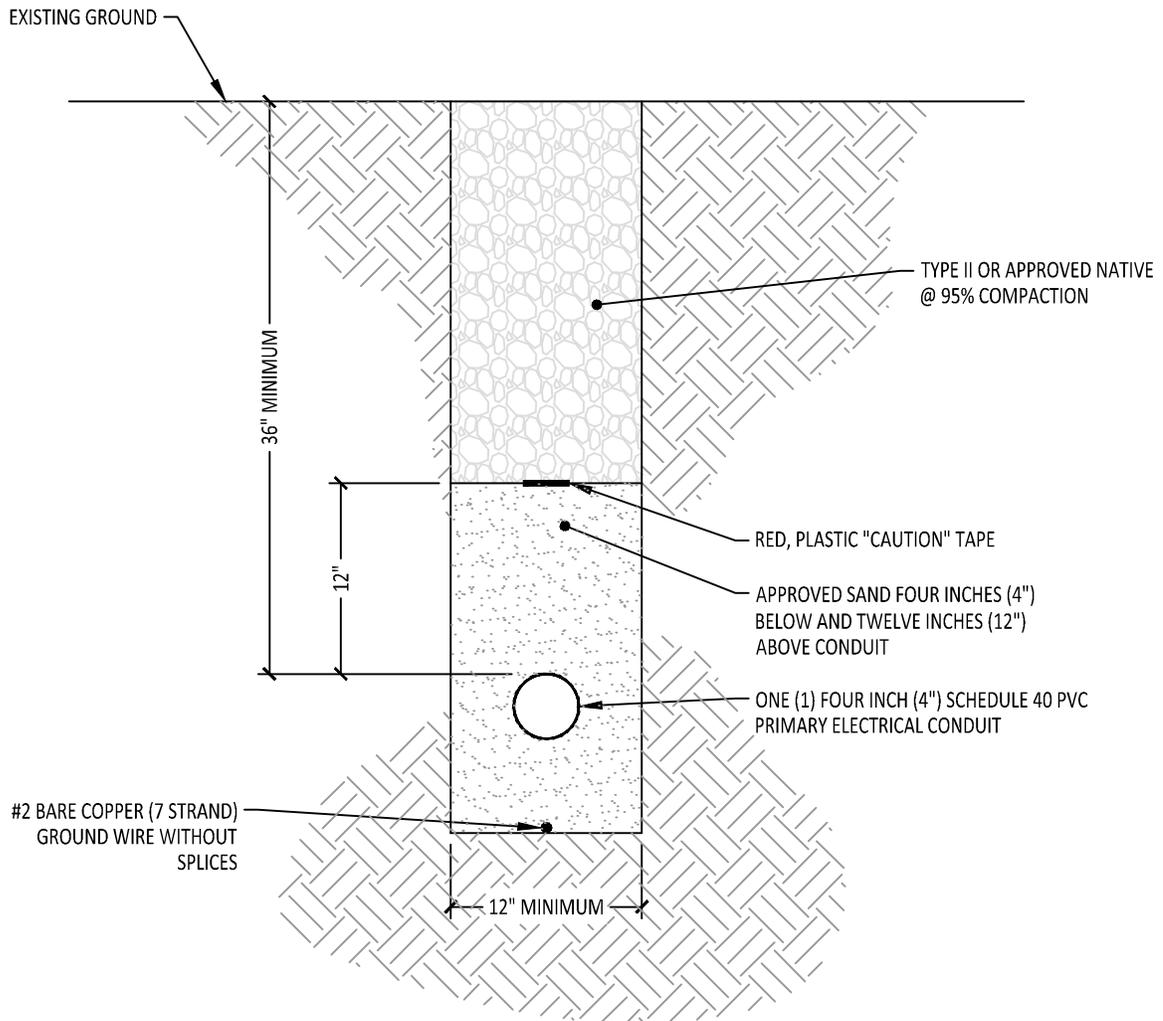


**CITY OF  
BOULDER CITY, NV**  
**PUBLIC WORKS  
DEPARTMENT  
ENGINEERING  
DIVISION**

**CITY OF BOULDER CITY  
STANDARD DETAIL**

**ELECTRIC TRENCH DETAIL  
PRIMARY FEEDER**

CREATED BY:  
**M. GRIMES**  
ISSUE DATE:  
**04/15/20**  
FILE NAME:  
BC-Trench Details.dwg  
SHEET:  
**1 OF 5**



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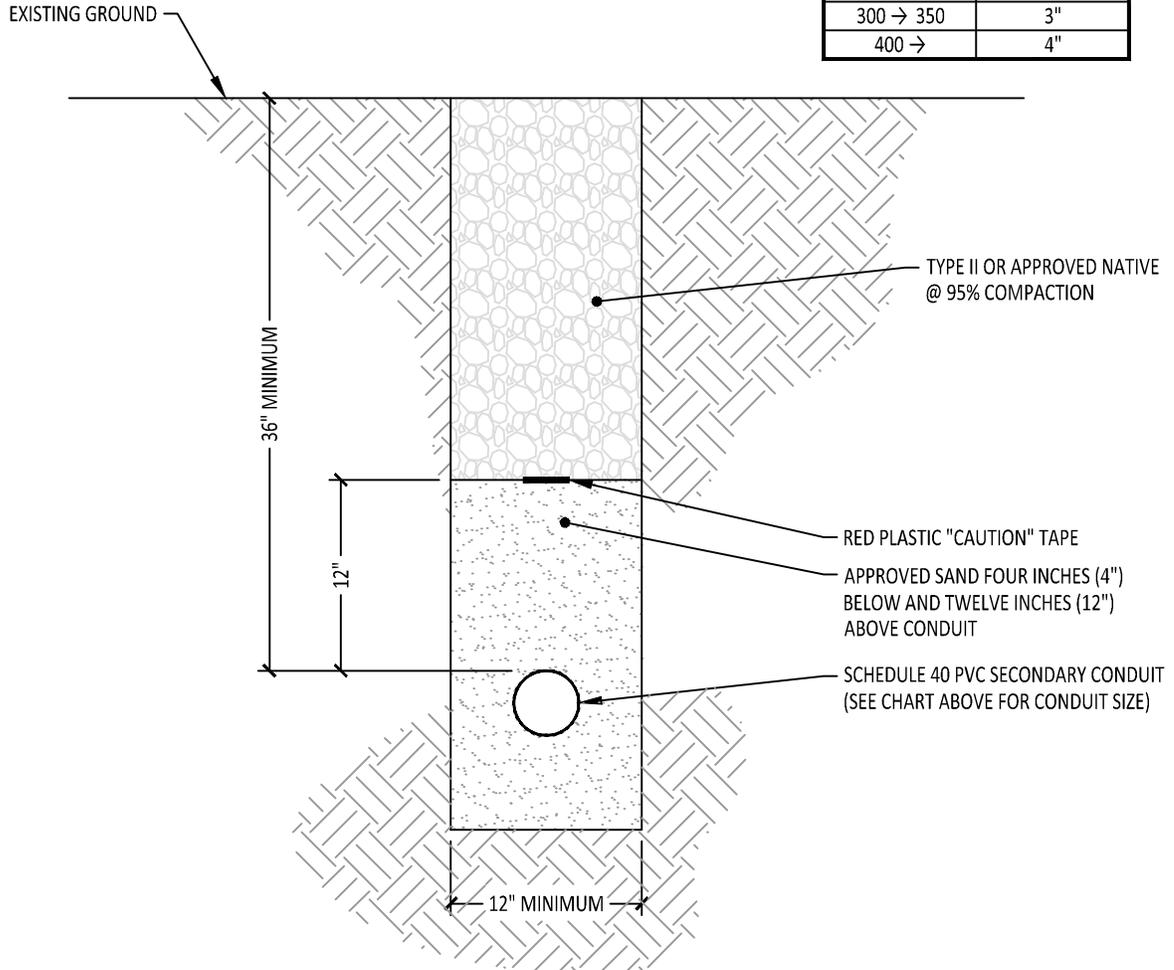
**CITY OF  
BOULDER CITY, NV**  
**PUBLIC WORKS  
DEPARTMENT  
ENGINEERING  
DIVISION**

**CITY OF BOULDER CITY  
STANDARD DETAIL**

**ELECTRIC TRENCH DETAIL  
PRIMARY LATERAL**

CREATED BY:  
**M. GRIMES**  
ISSUE DATE:  
**04/15/20**  
FILE NAME:  
BC-Trench Details.dwg  
SHEET:  
**2 OF 5**

SMALL SERVICE CONDUIT CHART	
SERVICE RATING (Amps)	MINIMUM CONDUIT SIZE
100 → 225	2-1/2"
300 → 350	3"
400 →	4"



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7. THE SWEEP AND RISER TO THE ELECTRICAL SERVICE PANEL MUST BE GALVANIZED RIGID STEEL. THIS INCLUDES RISERS LOCATED WITHIN A WALL AND FOUNDATION SLEEVE. ANY RIGID MATERIAL IN CONTACT WITH EARTH OR CONCRETE MUST BE WRAPPED IN 10 MIL CORROSION PROTECTION TAPE. ALL OTHER CONDUIT BETWEEN THE SWEEP AT THE PANEL RISER AND THE SERVICE POINT SHALL BE SCHEDULE 40 GREY PVC.



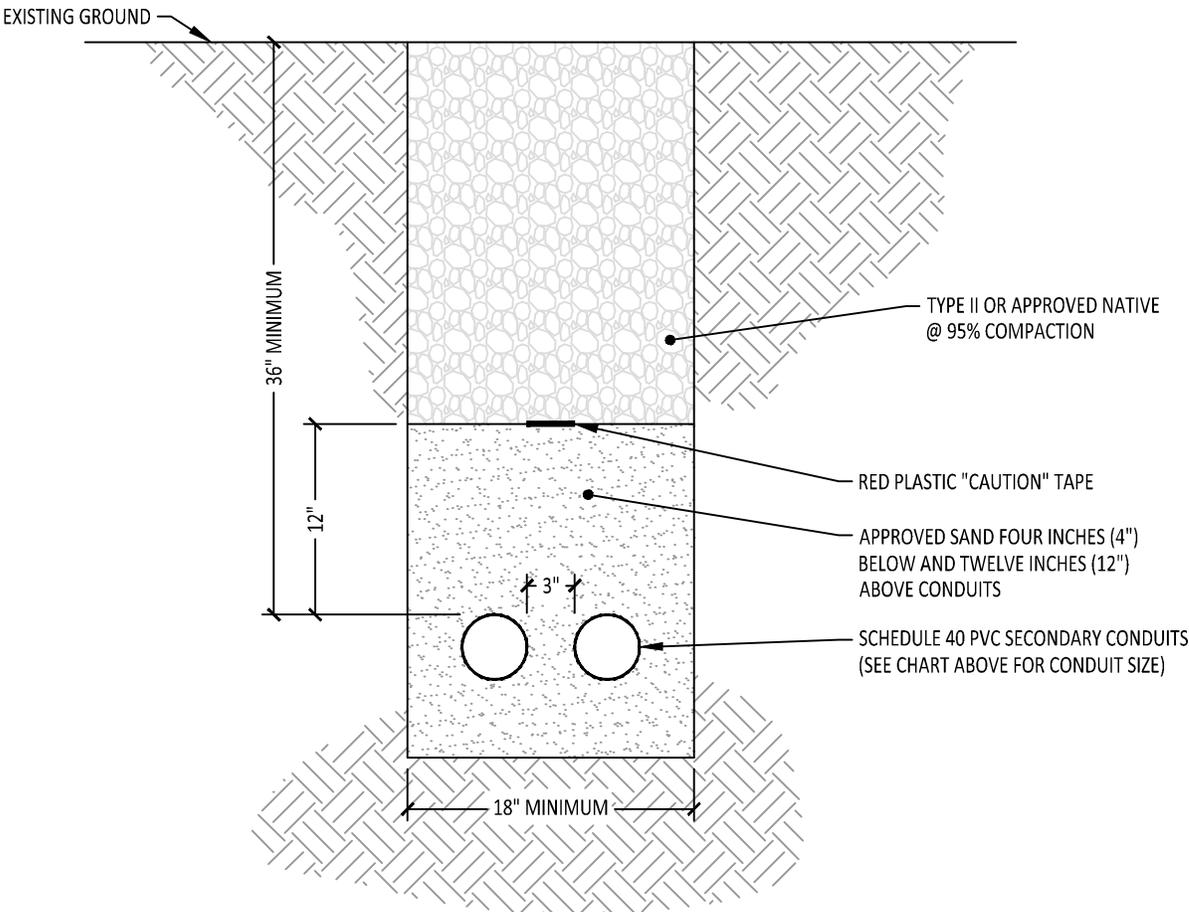
**CITY OF  
BOULDER CITY, NV**  
**PUBLIC WORKS  
DEPARTMENT  
ENGINEERING  
DIVISION**

**CITY OF BOULDER CITY  
STANDARD DETAIL**

**ELECTRIC TRENCH DETAIL  
SECONDARY, SMALL SERVICE**

CREATED BY:  
**M. GRIMES**  
ISSUE DATE:  
**04/15/20**  
FILE NAME:  
BC-Trench Details.dwg  
SHEET:  
**3 OF 5**

LARGE SERVICE CONDUIT CHART		
SERVICE TYPE	SERVICE RATING (Amps)	MINIMUM CONDUIT SIZE
RESIDENTIAL	600	(2) 4"
COMMERCIAL	400 → 600	(2) 4"



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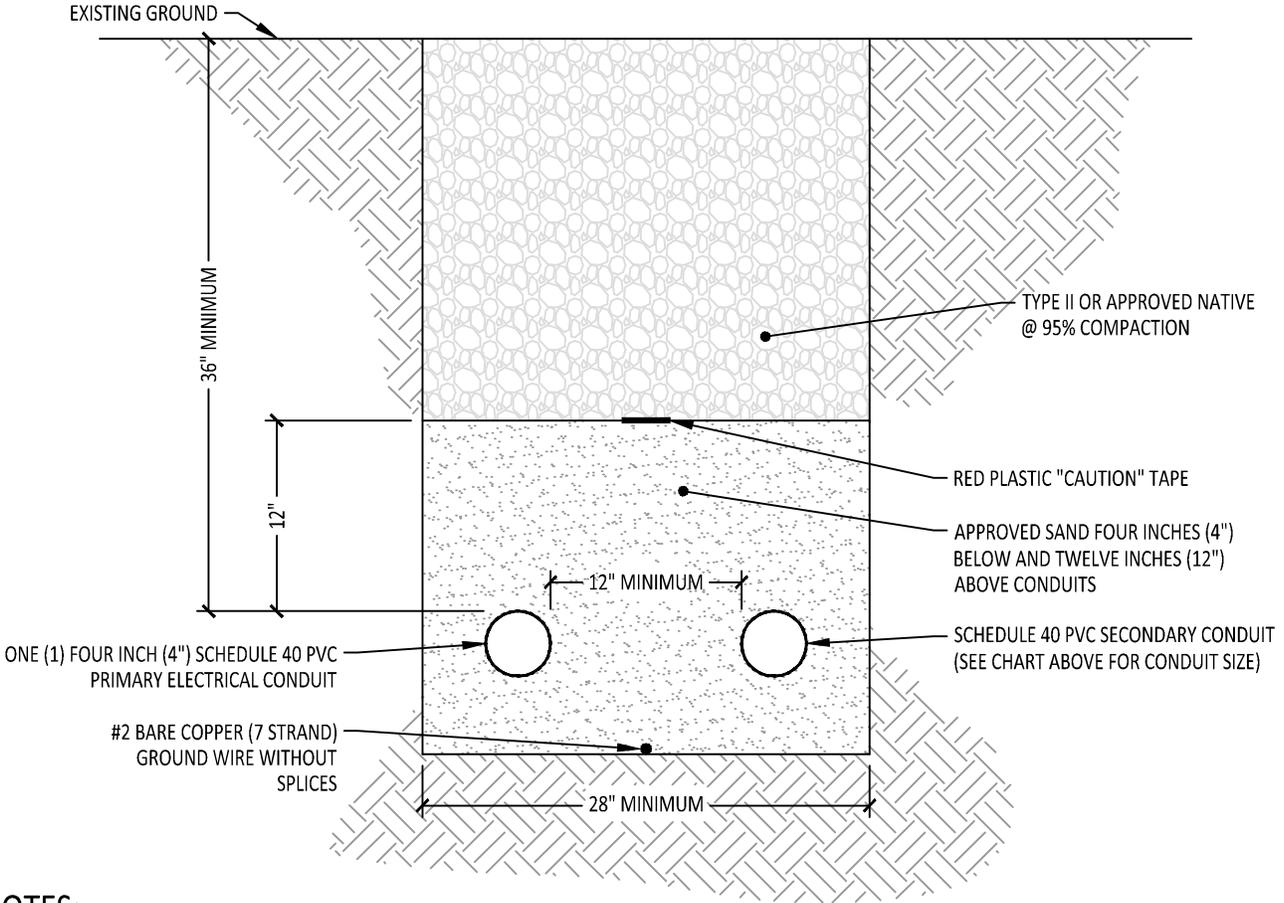


**CITY OF BOULDER CITY, NV**  
**PUBLIC WORKS DEPARTMENT**  
**ENGINEERING DIVISION**

**CITY OF BOULDER CITY**  
**STANDARD DETAIL**  
**ELECTRIC TRENCH DETAIL**  
**SECONDARY, LARGE SERVICE**

CREATED BY:  
**M. GRIMES**  
 ISSUE DATE:  
**04/15/20**  
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 SHEET:  
**4 OF 5**

SMALL SERVICE CONDUIT CHART	
SERVICE RATING (Amps)	MINIMUM CONDUIT SIZE
100 → 225	2-1/2"
300 → 350	3"
400 →	4"



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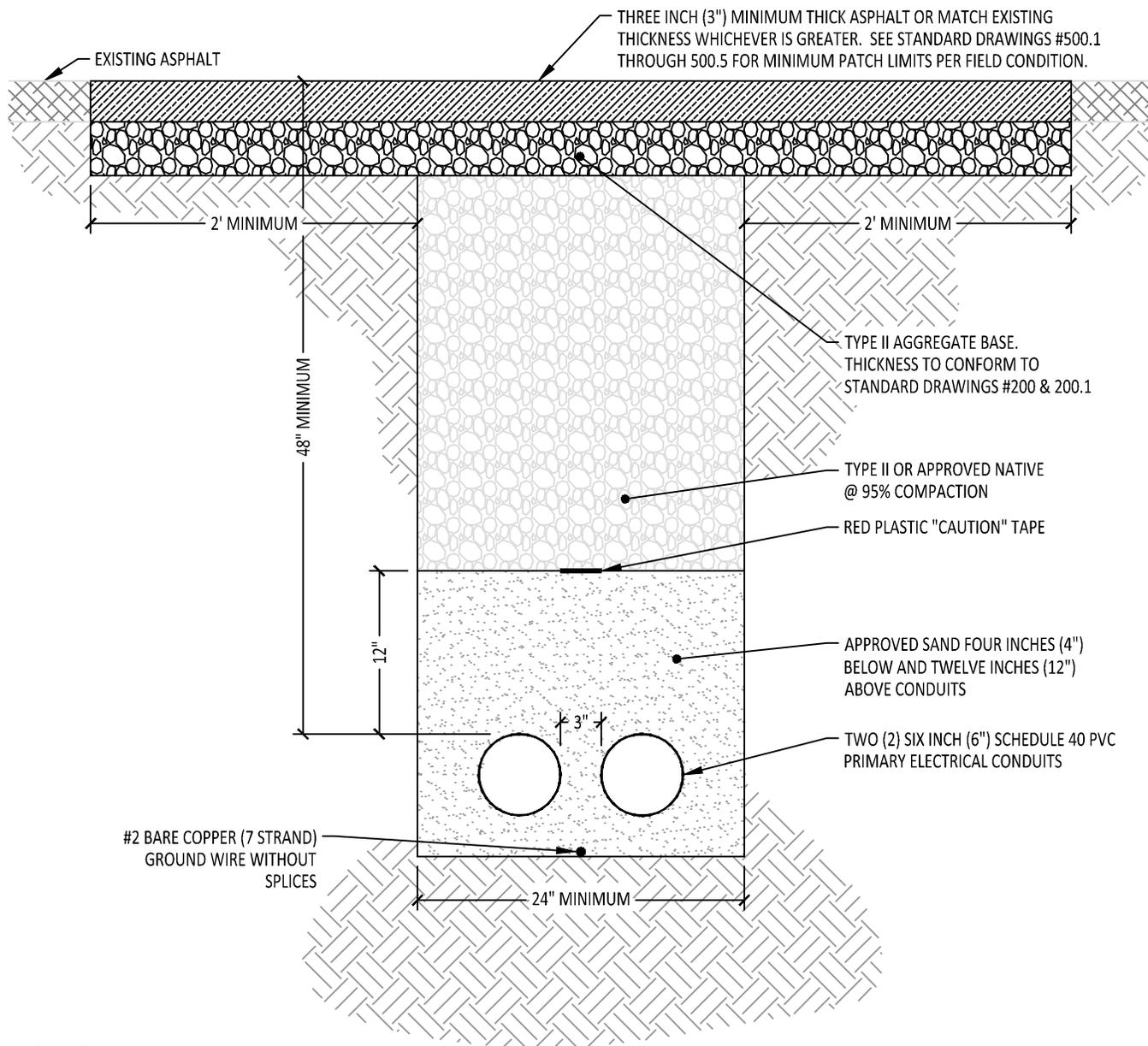


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**CITY OF BOULDER CITY  
STANDARD DETAIL**

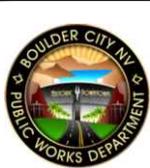
**ELECTRIC TRENCH DETAIL  
PRIMARY LATERAL & SECONDARY (SMALL SERVICE)**

CREATED BY:  
**M. GRIMES**  
ISSUE DATE:  
**04/15/20**  
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**STANDARD DETAIL**

**ELECTRIC TRENCH DETAIL**  
**PRIMARY FEEDER B**

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**M. GRIMES**  
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**1 OF 1**