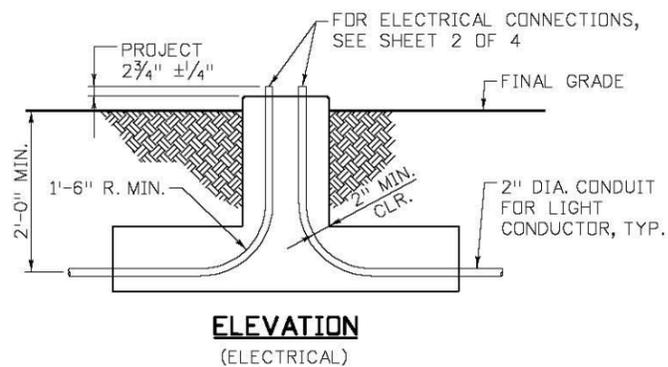


**SPREAD FOOTING NOTES**

1. A SPREAD FOOTING ALTERNATE IS PROVIDED FOR USE ONLY WHERE SHOT ROCK IS ENCOUNTERED WITHIN 4'-0" OF THE FINISHED GRADE. SPREAD FOOTING USE WILL ONLY BE ALLOWED WITH APPROVAL FROM THE ENGINEER.
2. THE PRESENCE AND LOCATION OF SHOT ROCK SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTING FOOTING.
3. FOOTINGS HAVE BEEN DESIGNED FOR A MAXIMUM ALLOWABLE ROCK BEARING CAPACITY OF 10,000 psf WITH THE FOLLOWING SAFETY FACTORS:  
SF = 3.0 BEARING RESISTANCE  
 $\mu$  = 0.5 SLIDING COEFFICIENT
4. CONCRETE FOR SPREAD FOOTINGS AND PEDESTALS SHALL BE CLASS D,  $f'c$  = 4,500 psi.
5. ALL CONCRETE SHALL REACH THE SEVEN DAY PREDICTED STRENGTH PRIOR TO INSTALLING THE SPECIAL LIGHT STANDARD.
6. ALL CONCRETE SHALL BE CAST-IN-PLACE.
7. REINFORCING STEEL SHALL BE GRADE 60 AND SHALL BE EPOXY COATED.
8. THE MINIMUM CLEARANCE FROM CONCRETE SURFACE TO REINFORCING SHALL BE 2 INCHES UNLESS NOTED OTHERWISE.
9. FOR DESIGN CRITERIA, SEE SHEET 1 OF 4.
10. FOR GENERAL NOTES, SEE SHEET 1 OF 4.

**GROUNDING PLATE NOTES**

1. GROUNDING PLATE SHALL BE COPPER PLATE WITH A MINIMUM 14 GAUGE THICKNESS AND A MINIMUM AREA OF 288 SQUARE INCHES.
2. GROUNDING CONDUCTOR SHALL BE #4 BARE COPPER CONDUCTOR AND SHALL BE CONNECTED TO THE GROUNDING PLATE WITH (2) TWO-BOLT PRESSURE CABLE HOLDERS.



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Print Date: 8/4/2009	
File Name: 17137LightStandardDet04.dgn	
Horiz. Scale: 1:1      Vert. Scale: As Noted	
Unit Information      Unit Leader Initials	

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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Region 1      CBR

As Constructed
No Revisions:
Revised:
Void:

SPECIAL LIGHT STANDARD DETAILS			
Designer:	DLR	Structure	
Detailer:	TTV	Numbers	
Sheet Subset: Light Stds.	Subset Sheets:	4 of 4	

Project No./Code
IM 070A-008
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Sheet Number