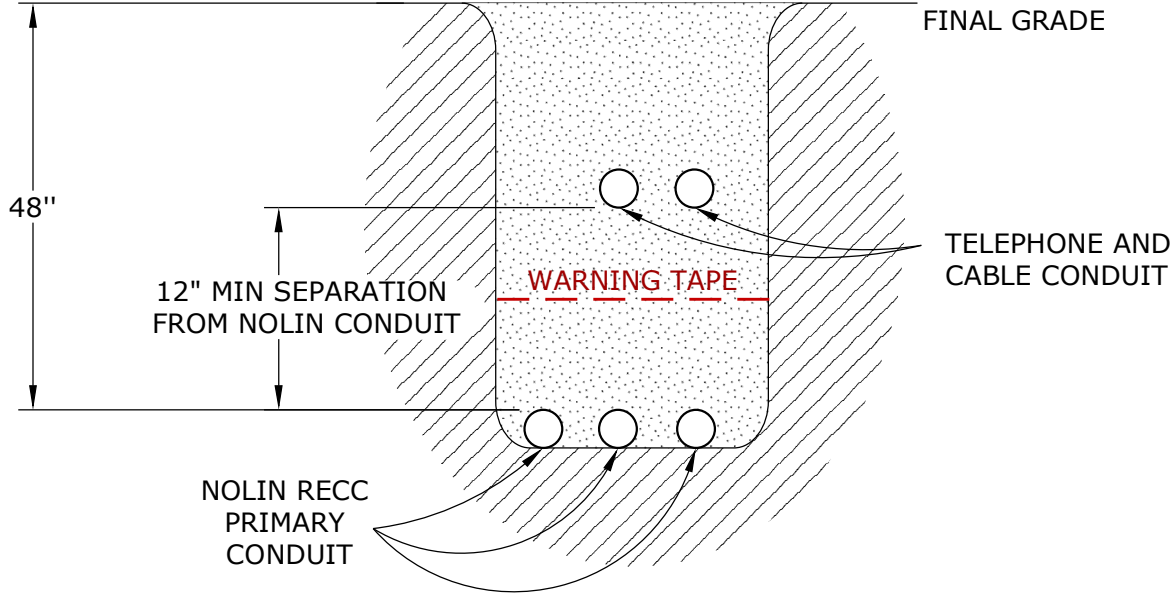
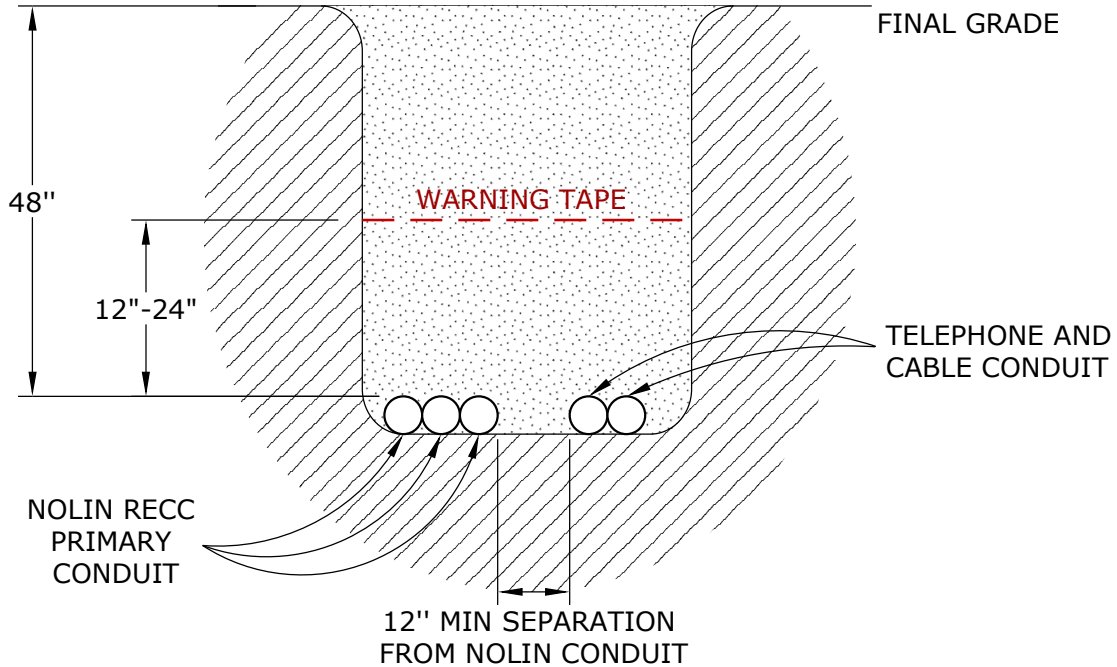


## PRIMARY TRENCH PROFILES (7,200 VOLT)

### VERTICAL OPTION



### HORIZONTAL OPTION



- DIAGRAM NOT TO SCALE
- CONTACT NOLIN RECC LINE DESIGN DEPARTMENT BEFORE STARTING ANY WORK
- CALL 811 BEFORE DIGGING

#### NOTES

Ditch must be wide enough to accommodate conduits.

Sewer, gas, and water are not allowed in the same ditch/trench as electric conduit(s).

PAGE 1 OF 3



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MAIN OFFICE: 270-765-6153

DRAWN BY:  
LANDER RYAN

APPROVED BY:  
GREG LEE

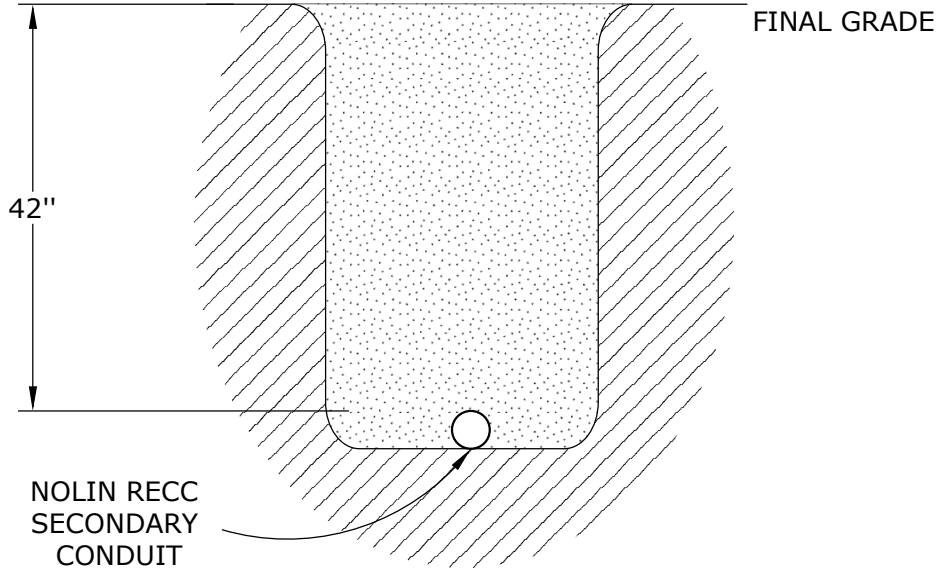
## TRENCH PROFILES

LAST REVISION

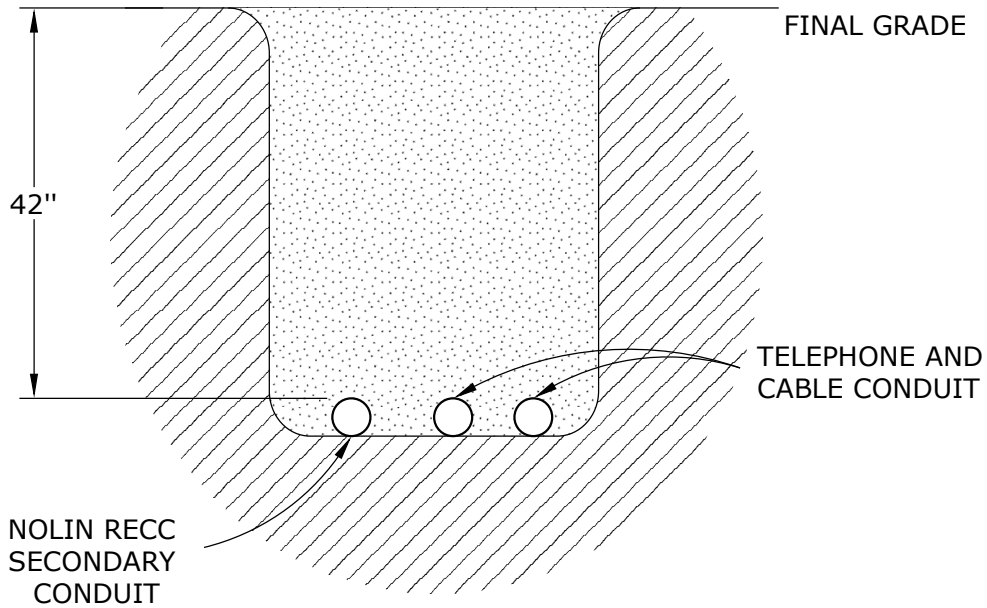
5/30/2018

## SECONDARY TRENCH PROFILES (LESS THAN 600 VOLTS)

### VERTICAL OPTION



### HORIZONTAL OPTION



- DIAGRAM NOT TO SCALE
- CONTACT NOLIN RECC LINE DESIGN DEPARTMENT BEFORE STARTING ANY WORK
- CALL 811 BEFORE DIGGING

#### NOTES

Ditch must be wide enough to accommodate all conduits. Otherwise, no additional separation is required.

Sewer, gas, and water are not allowed in the same ditch/trench as electric conduit(s).



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DRAWN BY:  
LANDER RYAN

APPROVED BY:  
GREG LEE

### TRENCH PROFILES



LAST REVISION

5/30/2018

**TYPICAL TRENCH**

1. Before digging dial (811) for Kentucky Underground-Kentucky Law requires area to be marked at least 2 business days prior to digging.
2. All trenches must be a minimum depth of 48" for primary and 42" for secondary from the top of the conduit.
3. If trench depth cannot be achieved, contact Nolin's Line Design Department.
4. When trenching, the following separations must be maintained:
  - A. 12" min clearance between communications and electric lines in primary trenches. No clearance required in secondary trenches.
  - B. Water, gas, and sewer lines are not permissible in the same trench as the electric conduit.
5. If trench is to be electric only, the ditch must be wide enough to accommodate the conduit.
6. If the trench is dug through rough, rocky terrain, the conduit must be bedded with a minimum of 4" of sand.
7. All elbows and above grade conduits must be schedule 80 PVC (primary and secondary); schedule 40 otherwise.
8. All primary conduits (7200V) must be at least 2" diameter with 36" radius long sweeping elbows. Please call Nolin's Line Design Department prior to installation.
9. Secondary (120/240V) conduit for a 200 amp service must be a minimum of 2 1/2" diameter, with 24"-36" radius long sweeping elbows. Please call Nolin's Line Design Department prior to installation.
10. Secondary (120/240V) conduit for a 400 amp service must be a minimum of 3" diameter, with 24"-36" radius long sweeping elbows. Please call Nolin's Line Design Department prior to installation.
11. All primary and secondary conduit installations must be approved by Nolin's Line Design Department prior to covering conduit with dirt.
12. Polypropylene pull string must be installed in all conduits, primary and/or secondary (150lb test minimum).
13. Where transformers and primary or secondary junction boxes are to be installed; reference the "Diagrams and Specifications" link on Nolin's website for other pertinent schematics.
 

\*Contact Nolin's Line Design Department with any questions about the schematics.
14. After the trench is dug and conduit installed with pull string, call Nolin's Line Design Department (270-765-6153) to have an inspection scheduled.
15. After the trench and the conduit have passed inspection, the trench may be back-filled. (Must receive sticker confirmation.)

 <p>RURAL ELECTRIC COOPERATIVE CORPORATION</p> <p>A Touchstone Energy® Cooperative </p> <p>MAIN OFFICE: 270-765-6153</p>	PAGE 3 OF 3		LAST REVISION
	DRAWN BY: LANDER RYAN	<b>TRENCH PROFILES</b>	5/30/2018
	APPROVED BY: GREG LEE		