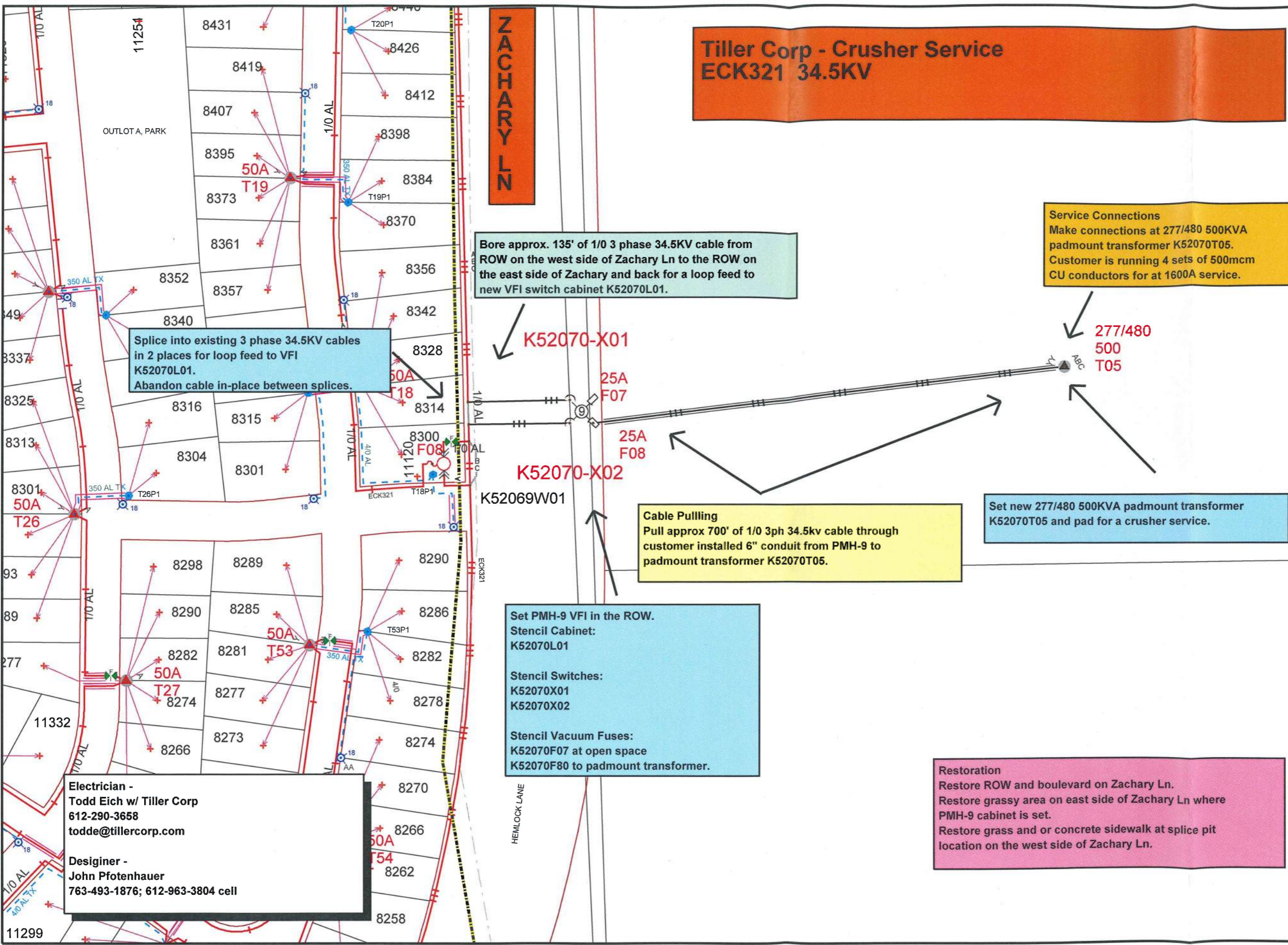


**Tiller Corp - Crusher Service  
ECK321 34.5KV**

**ZACHARY LN**



Bore approx. 135' of 1/0 3 phase 34.5KV cable from ROW on the west side of Zachary Ln to the ROW on the east side of Zachary and back for a loop feed to new VFI switch cabinet K52070L01.

Service Connections  
Make connections at 277/480 500KVA padmount transformer K52070T05.  
Customer is running 4 sets of 500mcm CU conductors for at 1600A service.

Splice into existing 3 phase 34.5KV cables in 2 places for loop feed to VFI K52070L01.  
Abandon cable in-place between splices.

Cable Pulling  
Pull approx 700' of 1/0 3ph 34.5kv cable through customer installed 6" conduit from PMH-9 to padmount transformer K52070T05.

Set new 277/480 500KVA padmount transformer K52070T05 and pad for a crusher service.

Set PMH-9 VFI in the ROW.  
Stencil Cabinet:  
K52070L01  
  
Stencil Switches:  
K52070X01  
K52070X02  
  
Stencil Vacuum Fuses:  
K52070F07 at open space  
K52070F80 to padmount transformer.

Restoration  
Restore ROW and boulevard on Zachary Ln.  
Restore grassy area on east side of Zachary Ln where PMH-9 cabinet is set.  
Restore grass and or concrete sidewalk at splice pit location on the west side of Zachary Ln.

Electrician -  
Todd Eich w/ Tiller Corp  
612-290-3658  
todde@tillercorp.com  
  
Designer -  
John Pfothenauer  
763-493-1876; 612-963-3804 cell

Work Order Information	
Service Request #	:
Design Number	: 00000719763
Designer/Planner ID	: pfj01
Designer/Planner Name	: Pfothenauer, John
Designer/Planner Ph #	: (763) 493-1876
Manager Approval	:

Joint Utility	
E:	G:
T:	C:

Design Location	
Division	: Maple Grove
County	: Hennepin
City	: Maple Grove
Address	: 8000 Zachary Ln N
T: 119N	R: 22W S: 24
Map #	: K52070
Permit	:

Electric	
Feeder: ECK321	Voltage: 34.5 KVA
Phase: ABC	Bkup Dev ID:

Gas	
System	: Pressure
Size	: Material
Dead End	:

Work Order # :

Date: 01/22/2018  
Sketch: 1 Of 1 Sketch Data  
Scale: 1" equals 144'



**CONSTRUCTION USE ONLY**

NO CHANGES (BUILT AS DESIGNED)  
 CHANGES MADE AS INDICATED  
 (ALL URD MUST HAVE ACTUAL MEASUREMENTS FROM THE FIELD SITE)

RFO \_\_\_\_\_  
 FOREMAN \_\_\_\_\_ DATE \_\_\_\_\_  
 TEAM LEADER \_\_\_\_\_

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