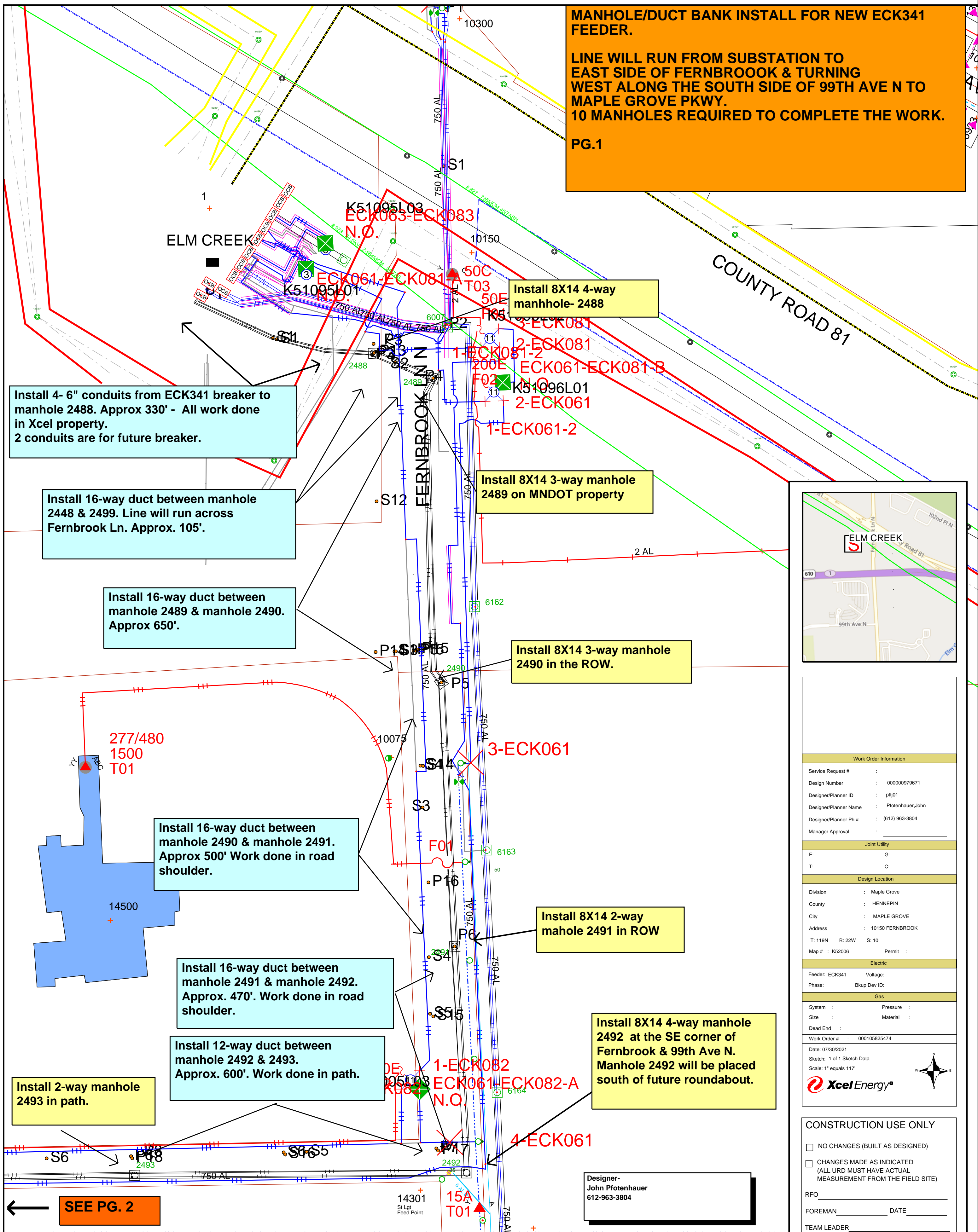


**MANHOLE/DUCT BANK INSTALL FOR NEW ECK341 FEEDER.**

**LINE WILL RUN FROM SUBSTATION TO EAST SIDE OF FERNBROOK & TURNING WEST ALONG THE SOUTH SIDE OF 99TH AVE N TO MAPLE GROVE PKWY.**

**10 MANHOLES REQUIRED TO COMPLETE THE WORK.**

**PG.1**



Install 4- 6" conduits from ECK341 breaker to manhole 2488. Approx 330' - All work done in Xcel property. 2 conduits are for future breaker.

Install 16-way duct between manhole 2448 & 2499. Line will run across Fernbrook Ln. Approx. 105'.

Install 16-way duct between manhole 2489 & manhole 2490. Approx 650'.

Install 16-way duct between manhole 2490 & manhole 2491. Approx 500' Work done in road shoulder.

Install 16-way duct between manhole 2491 & manhole 2492. Approx. 470'. Work done in road shoulder.

Install 12-way duct between manhole 2492 & 2493. Approx. 600'. Work done in path.

Install 2-way manhole 2493 in path.

Install 8X14 4-way manhole- 2488

Install 8X14 3-way manhole 2489 on MNDOT property

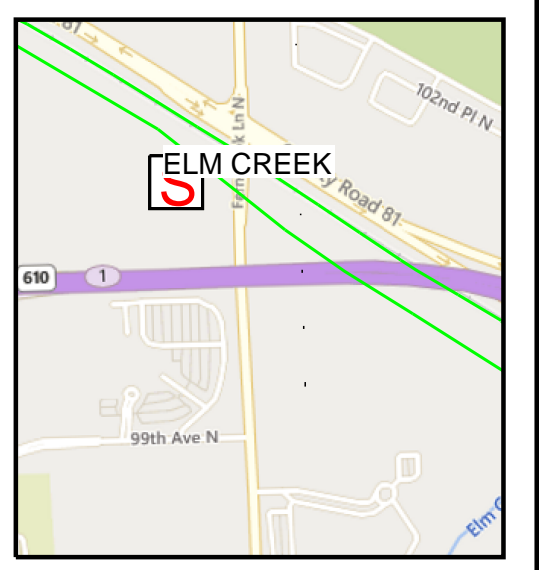
Install 8X14 3-way manhole 2490 in the ROW.

Install 8X14 2-way manhole 2491 in ROW

Install 8X14 4-way manhole 2492 at the SE corner of Fernbrook & 99th Ave N. Manhole 2492 will be placed south of future roundabout.

**SEE PG. 2**

Designer-  
John Protenhauer  
612-963-3804



Work Order Information	
Service Request #	:
Design Number	: 00000979671
Designer/Planner ID	: pjt01
Designer/Planner Name	: Ptothenauer, John
Designer/Planner Ph #	: (612) 963-3804
Manager Approval	:
Joint Utility	
E:	G:
T:	C:
Design Location	
Division	: Maple Grove
County	: HENNEPIN
City	: MAPLE GROVE
Address	: 10150 FERNBROOK
T: 119N	R: 22W S: 10
Map #	: K52006 Permit :
Electric	
Feeder: ECK341	Voltage:
Phase:	Bkup Dev ID:
Gas	
System	: Pressure :
Size	: Material :
Dead End	:
Work Order #	: 000105825474
Date:	07/30/2021
Sketch:	1 of 1 Sketch Data
Scale:	1" equals 117'

**CONSTRUCTION USE ONLY**

NO CHANGES (BUILT AS DESIGNED)

CHANGES MADE AS INDICATED (ALL URD MUST HAVE ACTUAL MEASUREMENT FROM THE FIELD SITE)

RFO \_\_\_\_\_

FOREMAN \_\_\_\_\_ DATE \_\_\_\_\_

TEAM LEADER \_\_\_\_\_

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