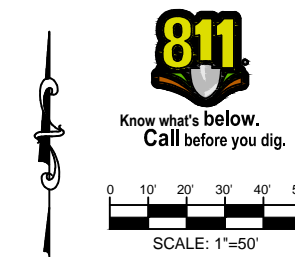


ADDRESS: 9401 85th Ave N Brooklyn Park, MN
 PROJECT NAME: ISO-0176213



SITE LOCATION



CONTACTS

CONTACT INFO:

Zayo Group
 Charlie Cogbil - Project Manager
 612-940-1788

City of Brooklyn Park
 Craig Runnako
 763-493-8109

Hennepin County
 Steve Groen - Right of Way Use Manager
 612-596-0337

SITE INDEX

A - COVER SHEET/SITE LOCATION
 B - RAKE OFF
 C - LEGEND
 D - GENERAL NOTES
 1-2 - PROJECT SHEETS

SCOPE OF WORK:

Project description
 Directional Bore two 1.25" duct - 210'
 Aerial Construction - 800'
 Pull thru existing customer duct - 40'
 Place two new HHs - 2

A	9401 85th Ave N Hennepin County	City of Brooklyn Park	DESIGN		DRAFTING		Prepared By: mi-TECH Mi-Tech 670 Commerce Dr, Suite 120 Woodbury, MN 55125 (651) 735-9630	zayo BANDWIDTH	SCALE: NTS	DRAWN BY: MI-TECH
			FIELD DESIGN	AS-BUILT	BASE	IWF			FIELD DESIGN	IWF
								9401 85th Ave N.dwg	COVER	

RAKE OFF SHEET

DESCRIPTION	QUANTITY	UNITS	FURNISHED BY	PLACED BY
DIRECTIONAL BORE	210	LF	CONTRACTOR	CONTRACTOR
2 EA 1.25" HDPE	420	LF	ZAYO	CONTRACTOR
30"X48"X36" SPLIT LID HANDHOLE	2	EA	ZAYO	CONTRACTOR
POLY DOME LOCATABLE MARKER POST	2	EA	ZAYO	CONTRACTOR
PULL 48F SM FIBER OPTIC CABLE	1500	EA	ZAYO	CONTRACTOR
OVERLASH 48F SM FIBER OPTIC CABLE	845	LF	ZAYO	CONTRACTOR
INSTALL RISER, 2" U-GAURD	2	EA	CONTRACTOR	CONTRACTOR
PULL THROUGH EXISTING CONDUIT	40	EA	OWNER	CONTRACTOR

LEGEND

LINETYPES					
	UG FIBER - EXISTING		RISER		VAULT - EXISTING
	UG FIBER - PROPOSED		TELEPHONE		VAULT - EXISTING
	AERIAL FIBER - EXISTING		POWER VAULT		VAULT - PROPOSED
	AERIAL FIBER - PROPOSED		CATCH BASIN/INLET		AERIAL STORAGE - EXISTING
	AERIAL STRAND - EXISTING		FIRE HYDRANT		AERIAL STORAGE - PROPOSED
	AERIAL STRAND - PROPOSED		GROUND/BOND		VAULT/BUILDING STORAGE - EXISTING
	ZAYO FIBER - PULL THRU EXISTING (OVERPULL)		STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	DISTRICT ENERGY		TREE		POLE ANCHOR/DOWN GUY - EXISTING
	GAS		CULVERT		POLE ANCHOR/DOWN GUY - PROPOSED
	WATER		WING WALL		PROPOSED DOWN GUY ON EXISTING ANCHOR
	TELEPHONE		BRIDGE		MISC. UTILITY
	ELECTRIC		LOCATABLE POLY DOME MARKER		UTILITY POLE - EXISTING
	SANITARY SEWER (SEW)		HANDHOLE - EXISTING		POLE - PROPOSED
	STORM DRAIN		HANDHOLE - PROPOSED		TERMINATION - EXISTING
	FENCE		MANHOLE - EXISTING		TERMINATION - PROPOSED
	CABLE TV		MANHOLE - PROPOSED		SPLICE POINT - EXISTING
	STEAM		PULLBOX - EXISTING		SPLICE POINT - PROPOSED
	OIL		PULLBOX - PROPOSED		
	UNKNOWN UTILITY		BUILDING CALLOUT - PROPOSED		
	RIGHT OF WAY				
	FACE OF CURB				
	STREET LIGHT/TRAFFIC SIGNAL				
	EDGE OF PAVEMENT				

SYMBOL	DESCRIPTION
ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
F of C	FACE OF CURB
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
R/W	RIGHT OF WAY
STA.	STATION

	HANDHOLE - EXISTING		MISC. UTILITY
	HANDHOLE - PROPOSED		UTILITY POLE - EXISTING
	MANHOLE - EXISTING		POLE - PROPOSED
	MANHOLE - PROPOSED		TERMINATION - EXISTING
	PULLBOX - EXISTING		TERMINATION - PROPOSED
	PULLBOX - PROPOSED		SPLICE POINT - EXISTING
	BUILDING CALLOUT - PROPOSED		SPLICE POINT - PROPOSED

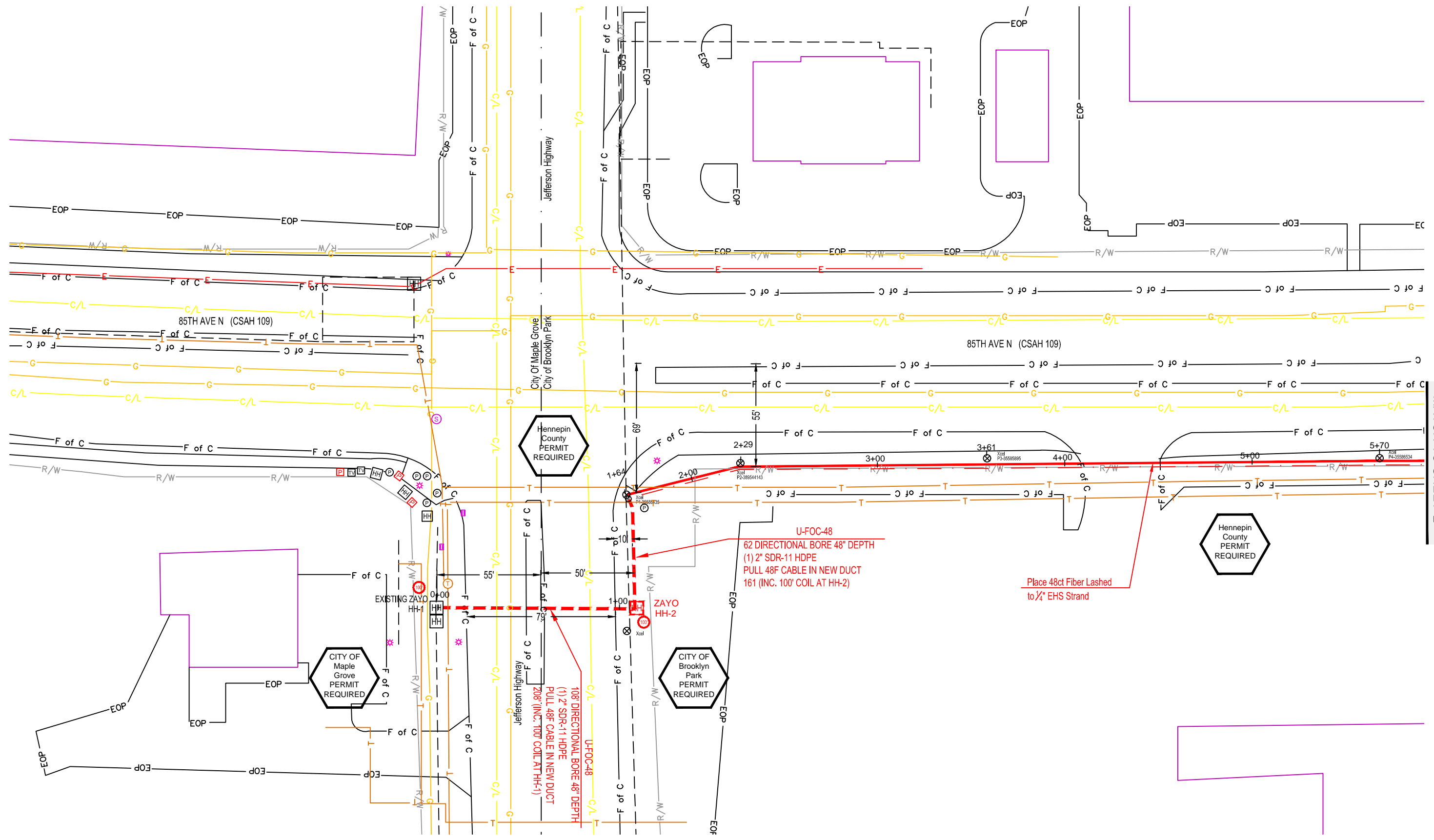


GENERAL NOTES

1. Contractor must obtain locates prior to disturbing the ground.
2. Contractor must have a copy of the approved permit from the appropriate agency on the jobsite at all times.
3. All cable will be placed at standard minimum depth. (ZAYO standard is 48" deep unless otherwise directed by a ZAYO representative.)
4. Any landscaping will be replaced to equal or better than that which existed prior to work.
5. Project site will be properly secured prior to the end of each day.
6. All work is to be in accordance with all authorities having jurisdiction in the work zone.
7. Contractors are advised to contact ZAYO for any additional information or clarification concerning scope of work or the requirements necessary for project completion.
8. Contractor is responsible to field verify all dimensions, quantities and existing conditions prior to construction. If a significant change to the running line is needed, please contact your ZAYO representative before proceeding.
9. Before construction begins, contractor shall take appropriate precautions to avoid any potential obstructions prior to proceeding with work.
10. No construction on private property will commence until approval is given by the appropriate ZAYO employee.
11. Contractor shall not proceed with work until they have received a Purchase Order and have been directed to do so by an authorized ZAYO representative.
12. Contractor shall not exceed the Purchase Order value without authorization in writing from the appropriate ZAYO representative.
13. As-Builts will be required for each project including cable footage sequential's at every access point, slack loop, splice location, pole and termination point. Contractor shall provide notes of all changes in depths, running lines, mh/hh locations, and any other applicable notes to depict the work that took place. NOTE: All major changes need to be pre-approved by an authorized ZAYO employee prior to starting the work.
14. The subsurface utility information in this plan is utility quality level D. This utility quality level was determined according to the guidelines of CI/ASCE 38-02, entitled standard guidelines for the collection and depiction of existing subsurface utility data. It shall be the contractors responsibility to utilize the Gopher State One Call excavation notice system required MN statute, chapter 216d for all underground utility locations.



D	9401 85th Ave N Hennepin County	City of Brooklyn Park	DESIGN		DRAFTING		Prepared By: mi-TECH Mi-Tech 670 Commerce Dr, Suite 120 Woodbury, MN 55125 (651) 735-9630		SCALE: NTS	DRAWN BY: MI-TECH
			FIELD DESIGN	AS-BUILT	BASE	IWF			FIELD DESIGN	IWF
								9401 85th Ave N.dwg	NOTES	



MATCH TO SHEET 2

1 9401 85th Ave N
Hennepin County

City of Brooklyn Park

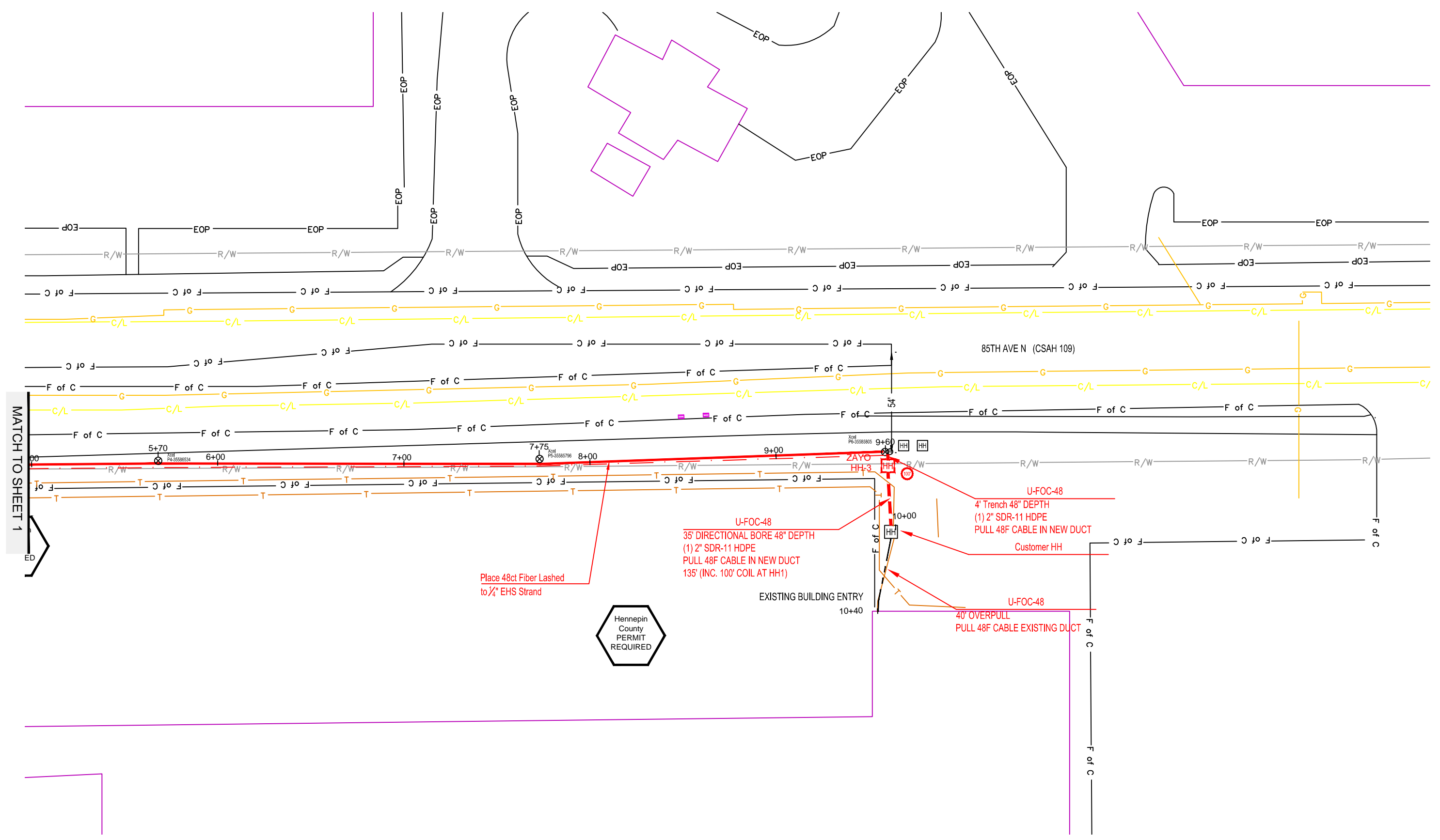
DESIGN		DRAFTING	
FIELD DESIGN		BASE	IWF
AS-BUILT		FIELD DESIGN	IWF
		AS-BUILT	

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PRINT DATE: 12/6/16
9401 85th Ave N.dwg

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STATUS: STATUS
1 of ?



Hennepin
County
PERMIT
REQUIRED

Place 48ct Fiber Lashed
to 1/4" EHS Strand

U-FOC-48
35' DIRECTIONAL BORE 48" DEPTH
(1) 2" SDR-11 HDPE
PULL 48F CABLE IN NEW DUCT
135' (INC. 100' COIL AT HH1)

U-FOC-48
4' Trench 48" DEPTH
(1) 2" SDR-11 HDPE
PULL 48F CABLE IN NEW DUCT
Customer HH

U-FOC-48
40' OVERPULL
PULL 48F CABLE EXISTING DUCT

2 9401 85th Ave N
Hennepin County

City of Brooklyn Park

DESIGN		DRAFTING	
FIELD DESIGN		BASE	IWF
AS-BUILT		FIELD DESIGN	IWF
		AS-BUILT	

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STATUS: STATUS
2 of ?