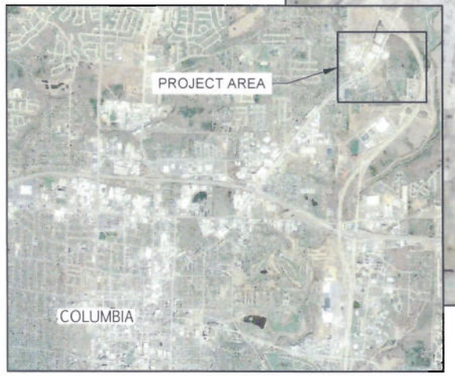
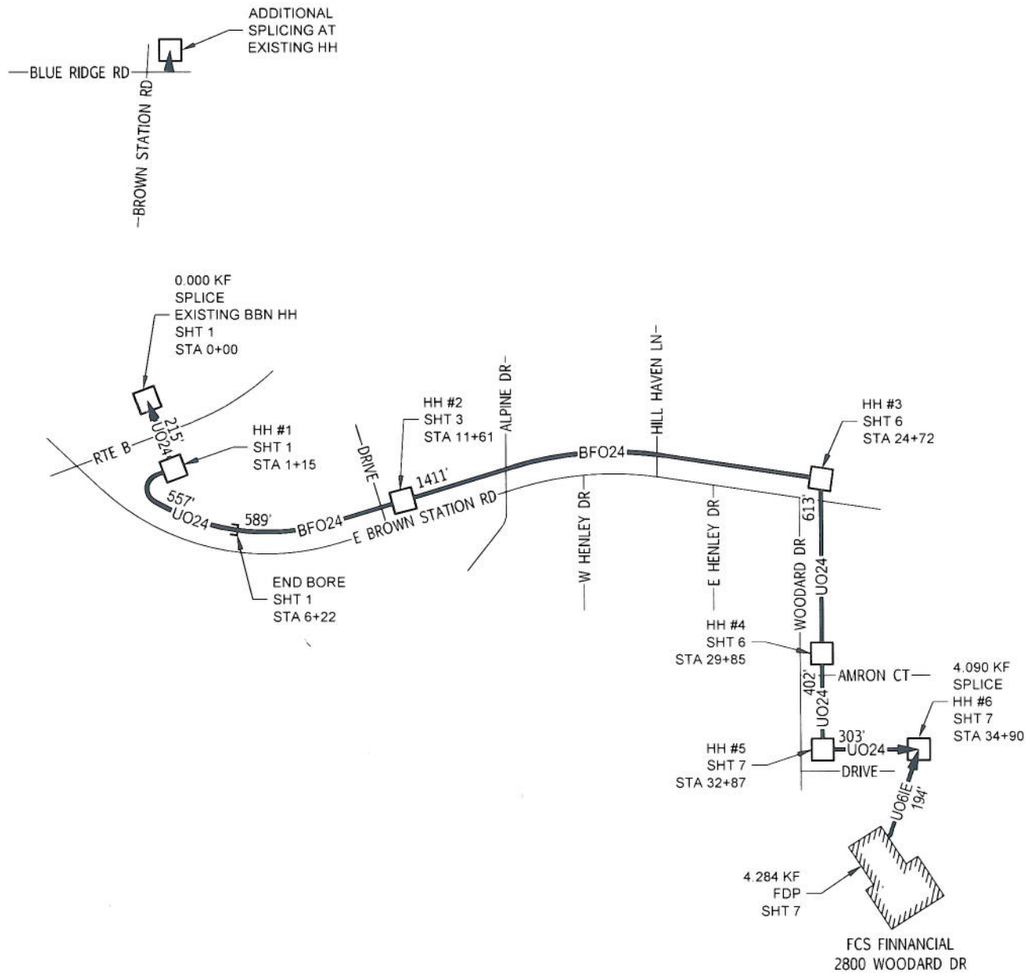
CITY OF COLUMBIA









PERMITS REQD	
MODOT	☒
COUNTY	☐
CITY	☒
OTHER	☐

POLE OR PED NO.	POLE N / C	BD3		BFO24			UO6	UO24	UO6IE	UD (1x1x1.25)			BM60 (1.25)			BM21	BM53	BM2C	BM2C (5/8)(8)	HBFO	HO1	R5	R10	WUD	WHBFO	WHO1	NID(2)	WUH (24" X 36")	UH (24" X 36")	REVISE BY / DATE
		2		2000				2090	194	1640			130				6	4	2	2	14				1				1	6	

STAKED BY/DATE: J SCOTT 01-27-2017	AS-BUILT POSTED:	BLUEBIRD NETWORK LLC 800 NW Chipman Rd Lees Summit, MO 64063	NORTH	PROJECT: **FCS FINANCIAL COLUMBIA** **KEY MAP & SCHEMATIC**	TAX DISTRICT	SEC 032.033 T 49N R 12W	PHONE: 816-361-8821 FAX: 816-361-8848 www.bluebirdnetwork.com	EXCHANGE: COLUMBIA
DRAWN BY/DATE: D PLACK 01-29-2017						WORK ORDER: 17-1004-01		ROUTE: NORTHEAST
APPROVED BY/DATE:	NOT TO SCALE					PAR/COUNTY: BOONE		SHEET K1 OF K1

FIBER OPTIC CABLE LINES

MNA CABLE, BURIED — B — BFO24

MNA CABLE, CONDUIT — DB — UO24 — UD(1x1x1.25)

MNA CABLE, FIBER DROP — BFO2

UTILITY LINES

TELEPHONE, AERIAL — T — T — T — T

TELEPHONE, BURIED — B — B — B

FIBER OPTIC, AERIAL — AFO — AFO

FIBER OPTIC, BURIED — BFO — BFO

ELECTRIC, AERIAL — E — E

ELECTRIC, BURIED — BE — BE — BE

GAS, BURIED — G — G — G

SANITARY SEWER — SS — SS

STORM DRAIN — SD — SD

WATER, BURIED — W — W — W

FENCE

GUARDRAIL

STREAM, DITCH

ROAD

ROAD C/L AND NAME — HWY 4 (ASPH)

RAILROAD AND NAME — UNION PACIFIC RR

RIGHT-OF-WAYS, EASEMENTS

HAND HOLE NO SPLICE

HAND HOLE W/ SPLICE

NID W/ SPLICE

BM60 (W/ LENGTH & SIZE) — 40' BM60(1.25)

BM61 (W/ LENGTH) — 40' BM61

CABLE MKR — BM53

UTILITY MH

UTILITY METER

UTILITY VALVE

POWER POLE

UTILITY PEDESTAL

CATCH BASIN — CB

HYDRANT

CULVERT

CAUTION SIGN — CAUTION BURIED GAS

HAND HOLE (NO SPLICE) INFORMATION

XXX+XX
HH # X
GPS: ___._____
-___._____

WALL | WALL

N S E W — N S E W

24 FIBER CABLE
PL 100' COIL

HAND HOLE (SPLICE) INFORMATION

XXX+XX
HH # X
GPS: ___._____
-___._____

WALL | END — END | WALL

N S E W — N S E W

24 FIBER CABLE
PL 50' COIL

24 FIBER CABLE
PL 50' COIL

UTILITIES NOTE

UTILITIES NOTE:
GENERAL LOCATIONS OF UTILITIES ARE NOTED ON PRINTS. NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE DIGGING.

CONTACT INFORMATION:

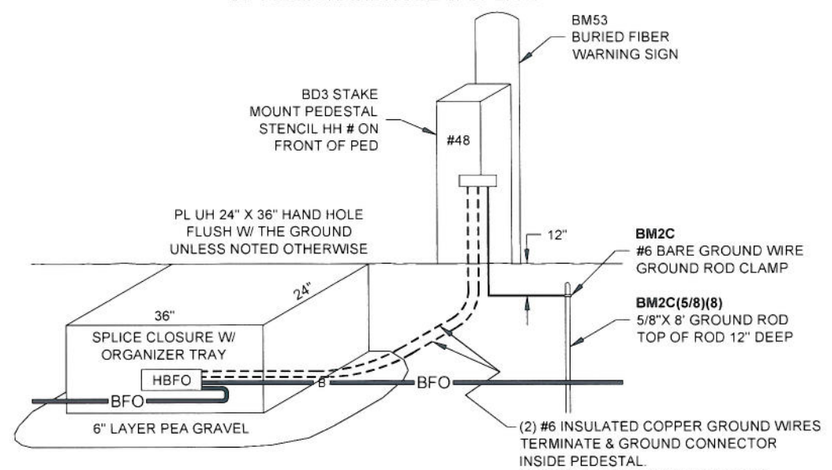
MISSOURI ONE CALL
811 OR 800-DIG-RITE (800-344-7483)

FCS FINANCIAL
AARON VANDEGRILL 573-338-1136

GENERAL NOTES:

1. BURY CABLE MINIMUM DEPTH OF 36" UNLESS NOTED OTHERWISE.
2. GENERAL LOCATIONS OF UTILITIES ARE NOTED ON PRINTS. NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE DIGGING.
3. CONTACT MISSOURI ONE-CALL 48 HOURS PRIOR TO CONSTRUCTION. TO REQUEST LOCATES, DIAL 811 OR 800-DIG-RITE (800-344-7483) .
4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.
5. REPAIR ALL YARDS, DRIVEWAYS AND RIGHT-OF-WAYS TO ORIGINAL OR BETTER CONDITION.
6. MAINTAIN MINIMUM 12" SEPARATION FROM BURIED POWER.
7. CONTRACTOR TO PROVIDE GPS READINGS FOR HAND HOLES PLACED ON THIS PROJECT ON AS-BUILTS DRAWINGS.

MATERIALS & DETAIL OF FIBER HANDHOLE & SPLICE



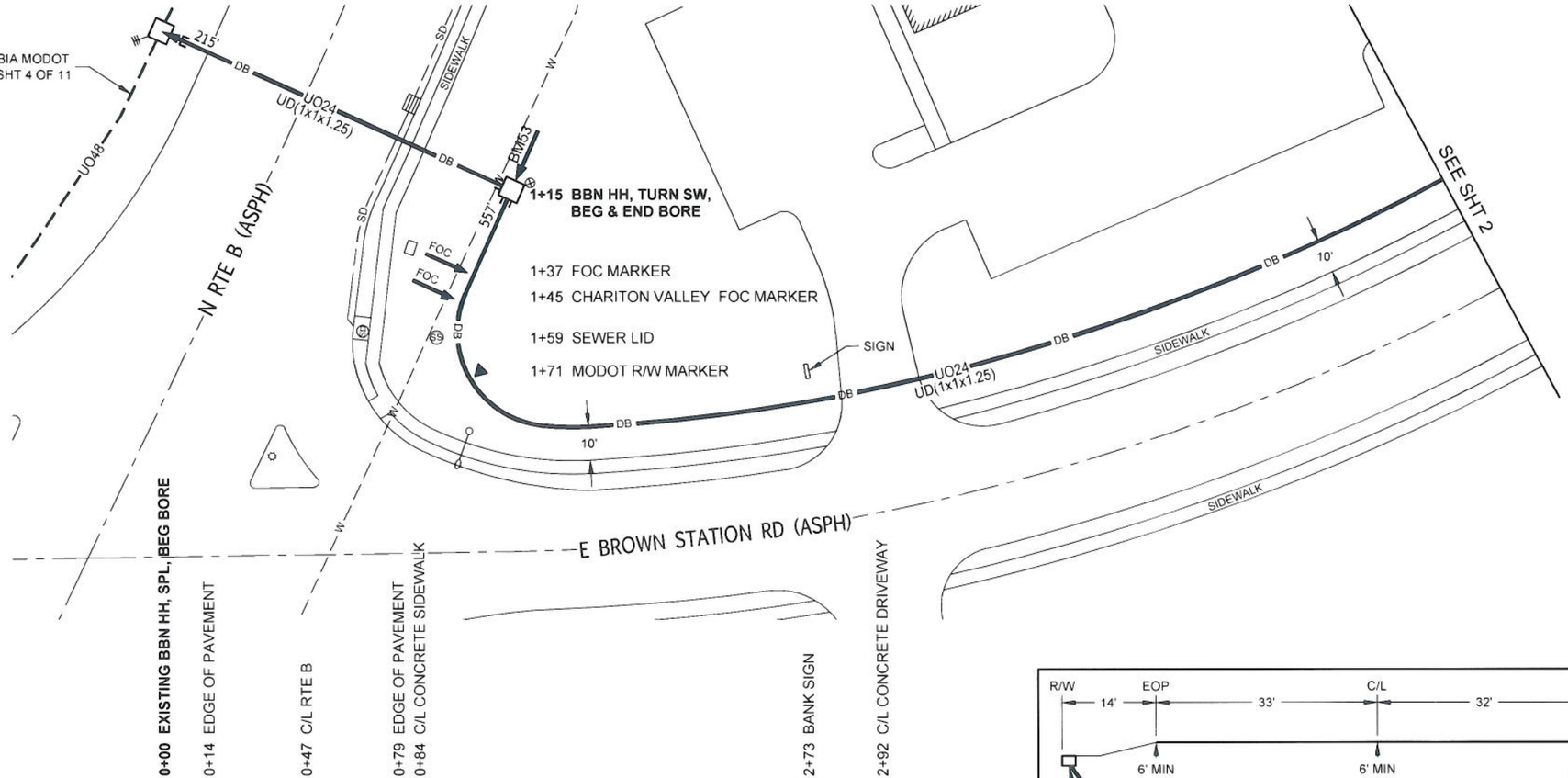
POLE OR PED NO	POLE N / C	BD3		BFO24			UO6	UO24	UO6IE	UD (1x1x1.25)			BM60 (1.25)			BM21	BM53	BM2C	BM2C (5/8)(8)	HBFO	HO1	R5	R10	WUD	WHBFO	WHO1	NID(2)	WUH (24" X 36")	UH (24" X 36")	REVISE BY / DATE

STAKED BY/DATE: J SCOTT	01-27-2017	AS-BUILT POSTED:	BLUEBIRD NETWORK LLC 800 NW Chipman Rd Lees Summit, MO 64063	NORTH	PROJECT: **FCS FINANCIAL COLUMBIA** **LEGEND**	TAX DISTRICT	SEC 032.033 T 49N R 12W
DRAWN BY/DATE: D PLACK	01-29-2017						WORK ORDER: 17-1004-01
APPROVED BY/DATE:		NOT TO SCALE					PAR/COUNTY: BOONE

PHONE: 816-361-8821
FAX: 816-361-8848
www.bluebirdnetwork.com

EXCHANGE: COLUMBIA
ROUTE: NORTHEAST
SHEET: L1 OF L1

CITY OF COLUMBIA



0+00
EXISTING BBN HH AP-02196
GPS: 38.981777
-92.291211

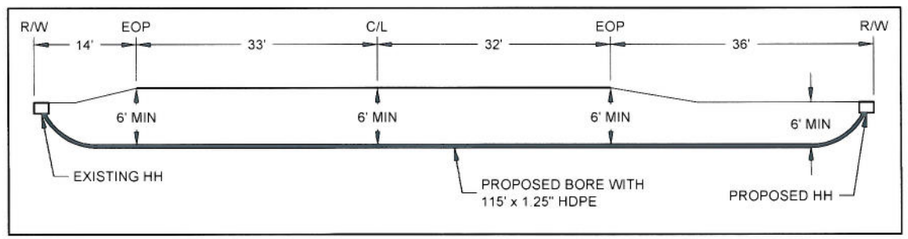
END	WALL
N S E W	N S E W

24 FIBER CABLE
PL 50' COIL

1+15
BBN HH #1
GPS: ____-_____
-____-_____

WALL	WALL
N S E W	N S E W

24 FIBER CABLE
PL 100' COIL



RTE B BORE PROFILE
LOOKING NORTHEAST AT STA 0+47
NOT TO SCALE

UTILITIES NOTE:
GENERAL LOCATIONS OF UTILITIES ARE NOTED ON PRINTS. NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE DIGGING.

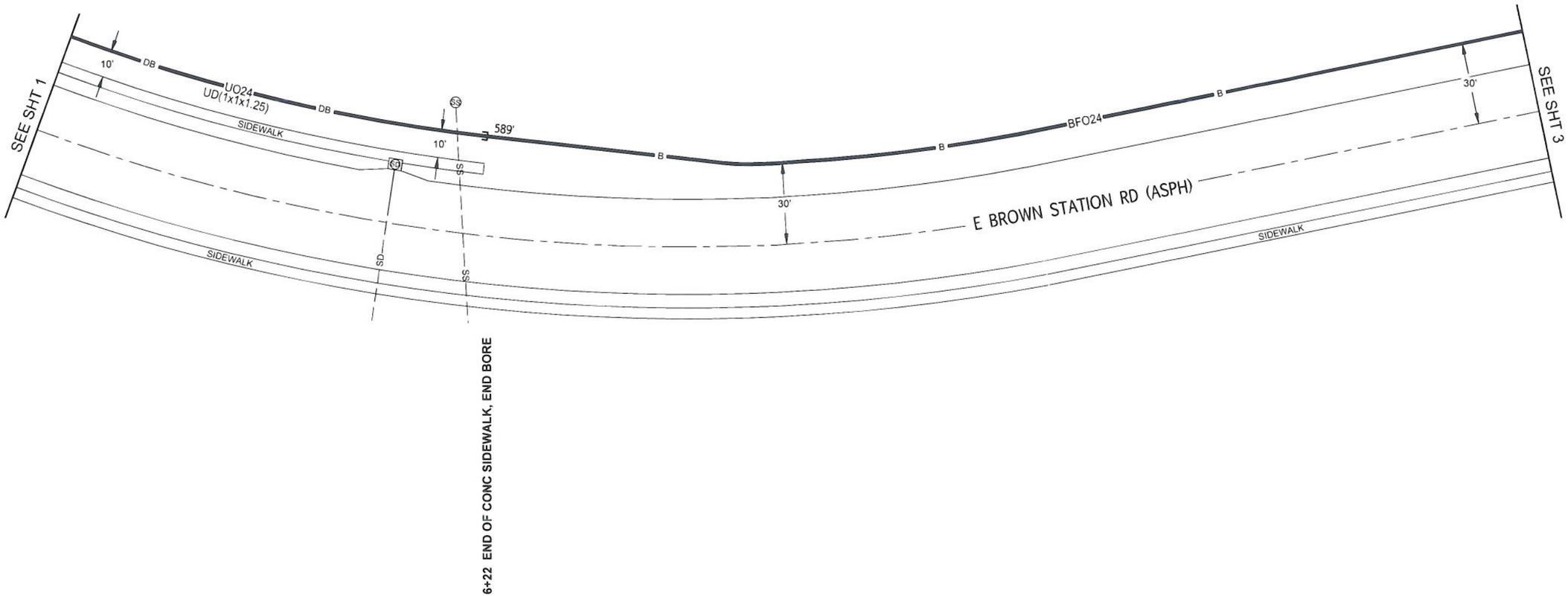
PERMITS REQD
MODOT ☒
COUNTY ☐
CITY ☒
OTHER ☐

XREF X-17-1004-01-FCSF-CLMB-01

POLE OR PED NO	POLE N / C	BD3		BFO24			UO6	UO24	UO6IE	UD (1x1x1.25)			BM60 (1.25)			BM21	BM53	BM2C	BM2C (5/8)(8)	HBFO	HO1	R5	R10	WUD	WHBFO	WHO1	NID(2)	WUH (24" X 36")	UH (24" X 36")	REVISE BY / DATE
EXISTING HH		1						215		115								3	1	1	2							1		
HH #1								557		507							1												1	

STAKED BY/DATE: J SCOTT	01-27-2017	AS-BUILT POSTED	BLUEBIRD NETWORK LLC 800 NW Chipman Rd Lees Summit, MO 64063	NORTH	PROJECT: **FCS FINANCIAL COLUMBIA** **FIBER**	TAX DISTRICT	SEC 032 T 49N R 12W WORK ORDER: 17-1004-01 PAR/COUNTY: BOONE	PHONE: 816-361-8821 FAX: 816-361-8848 www.bluebirdnetwork.com	EXCHANGE: COLUMBIA ROUTE: NORTHEAST SHEET 1 OF 7
DRAWN BY/DATE: D PLACK	01-29-2017								
APPROVED BY/DATE		SCALE: 1"=40'							

CITY OF COLUMBIA



UTILITIES NOTE:
GENERAL LOCATIONS OF UTILITIES ARE NOTED ON PRINTS. NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE DIGGING.

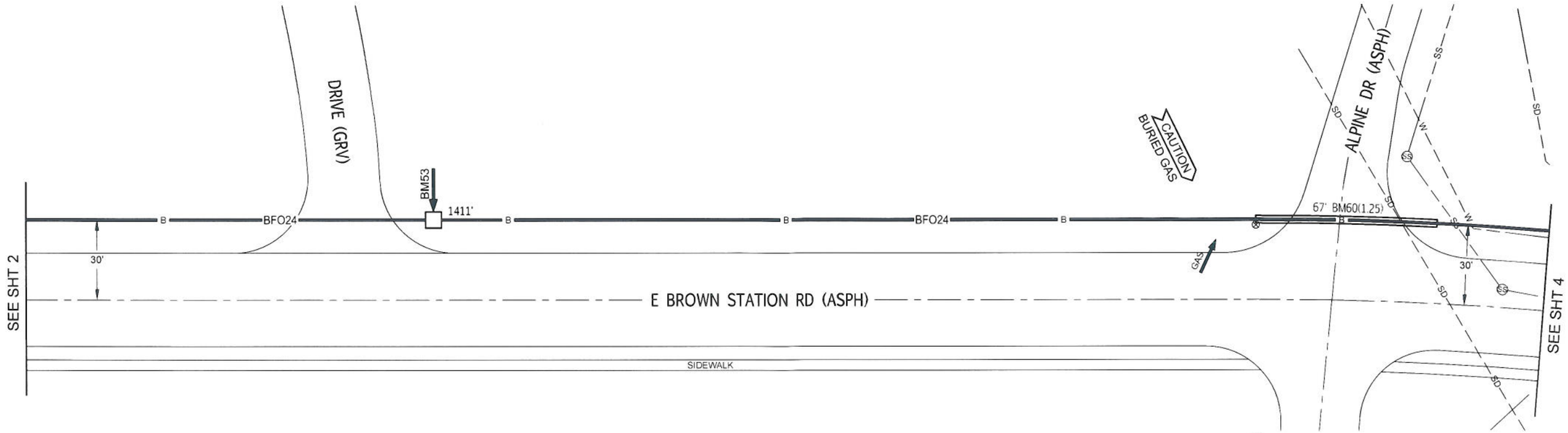
PERMITS REQD
MODOT ☐
COUNTY ☐
CITY ☒
OTHER ☐

XREF X-17-1004-01-FCSF-CLMB-01

POLE OR PED NO	POLE N / C	BD3		BFO24			UO6	UO24	UO6IE	UD (1x1x1.25)			BM60 (1.25)			BM21	BM53	BM2C	BM2C (5/8)(8)	HBFO	HO1	R5	R10	WUD	WHBFO	WHO1	NID(2)	WUH (24" X 36")	UH (24" X 36")	REVISE BY / DATE
				589																										

STAKED BY/DATE: J SCOTT 01-27-2017	AS-BUILT POSTED	BLUEBIRD NETWORK LLC 800 NW Chipman Rd Lees Summit, MO 64063	NORTH	PROJECT: FCS FINANCIAL COLUMBIA FIBER	TAX DISTRICT	SEC 032 T 49N R 12W	PHONE: 816-361-8821 FAX: 816-361-8848 www.bluebirdnetwork.com	EXCHANGE: COLUMBIA
DRAWN BY/DATE: D PLACK 01-29-2017						WORK ORDER: 17-1004-01		ROUTE: NORTHEAST
APPROVED BY/DATE	SCALE: 1"=40'					PAR/COUNTY: BOONE		SHEET 2 OF 7

CITY OF COLUMBIA



11+28 C/L GRAVEL ROAD

11+61 BBN HH

11+61
BBN HH #2
GPS: ____._____
-____._____

WALL	WALL
N S E W	N S E W

24 FIBER CABLE
PL 100' COIL

14+58 GAS MARKER

14+73 POWER POLE, BEG BORE

15+04 C/L ALPINE DRIVE

15+42 END BORE

UTILITIES NOTE:
GENERAL LOCATIONS OF UTILITIES ARE NOTED ON PRINTS. NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE DIGGING.

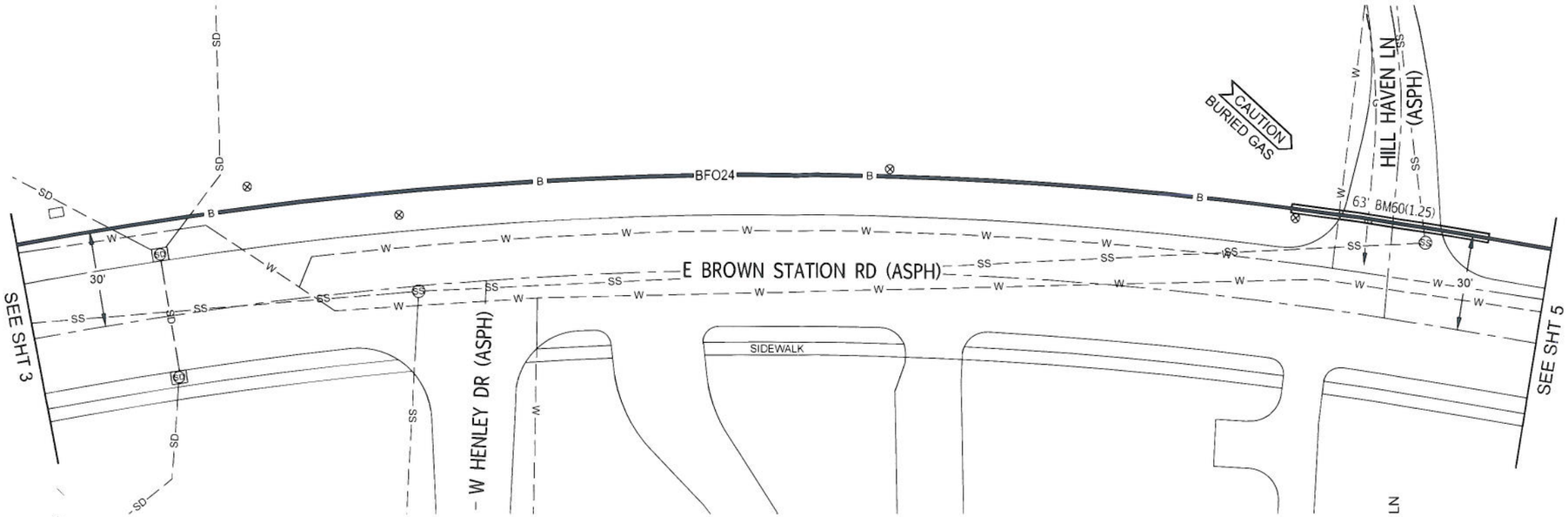
PERMITS REQD
MODOT ☐
COUNTY ☐
CITY ☒
OTHER ☐

XREF: X-17-1004-01-FCSF-CLMB-01

POLE OR PED NO	POLE N / C	BD3		BFO24			UO6	UO24	UO6IE	UD (1x1x1.25)			BM60 (1.25)			BM21	BM53	BM2C	BM2C (5/8)(8)	HBFO	HO1	R5	R10	WUD	WHBFO	WHO1	NID(2)	WUH (24" X 36")	UH (24" X 36")	REVISE BY / DATE
HH #2								1411		1311			67				1												1	

STAKED BY/DATE: J SCOTT 01-27-2017	AS-BUILT POSTED:	BLUEBIRD NETWORK LLC 800 NW Chipman Rd Lees Summit, MO 64063	NORTH	PROJECT: **FCS FINANCIAL COLUMBIA** **FIBER**	TAX DISTRICT:	SEC: 032 T: 49N R: 12W	PHONE: 816-361-8821 FAX: 816-361-8848 www.bluebirdnetwork.com	EXCHANGE: COLUMBIA
DRAWN BY/DATE: D PLACK 01-29-2017						WORK ORDER: 17-1004-01		ROUTE: NORTHEAST
APPROVED BY/DATE:	SCALE: 1"=40'					PAR/COUNTY: BOONE		SHEET 3 OF 7

CITY OF COLUMBIA



UTILITIES NOTE:
GENERAL LOCATIONS OF UTILITIES ARE NOTED ON PRINTS. NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE DIGGING.

PERMITS REQD

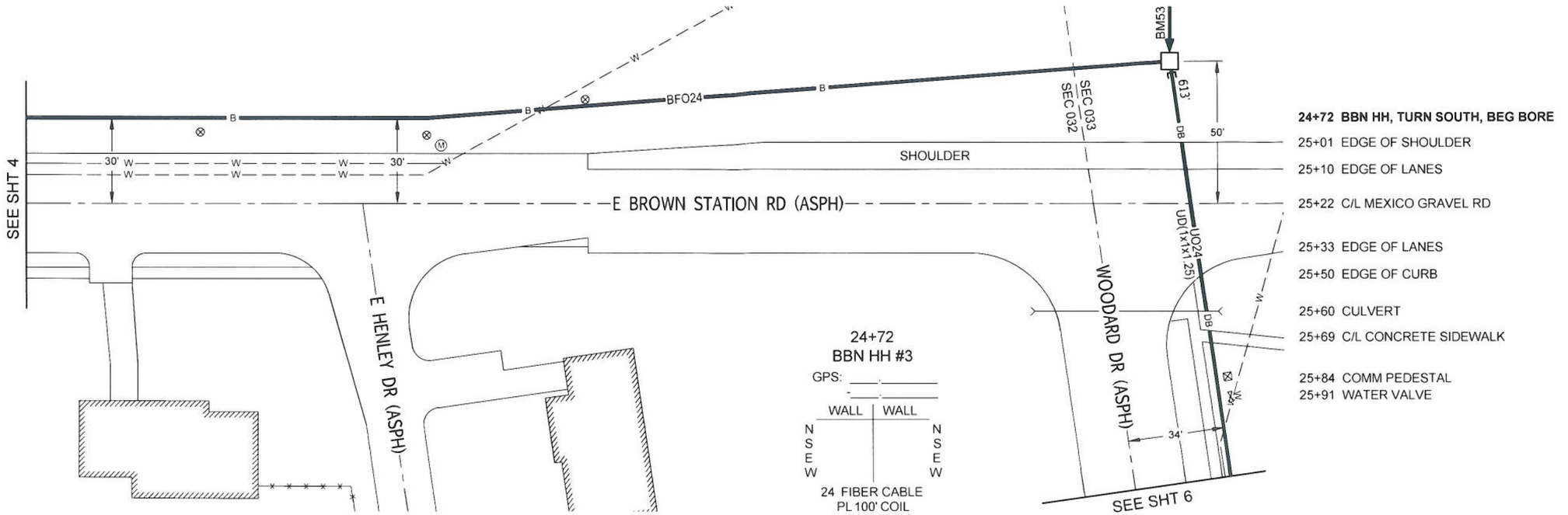
MODOT	☐
COUNTY	☐
CITY	☒
OTHER	☐

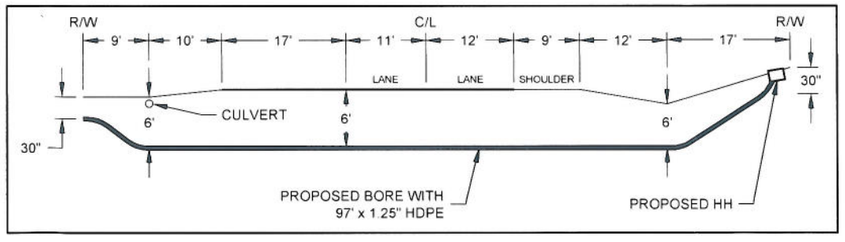
XREF X-17-1004-01-FCSF-CLMB-01

POLE OR PED NO	POLE N / C	BD3		BFO24			UO6	UO24	UO6IE	UD (1x1x1.25)			BM60 (1.25)			BM21	BM53	BM2C	BM2C (5/8)(8)	HBFO	HO1	R5	R10	WUD	WHBFO	WHO1	NID(2)	WUH (24" X 36")	UH (24" X 36")	REVISE BY / DATE
													63																	

STAKED BY/DATE: J SCOTT 01-27-2017	AS-BUILT POSTED:	BLUEBIRD NETWORK LLC 800 NW Chipman Rd Lees Summit, MO 64063	NORTH	PROJECT **FCS FINANCIAL COLUMBIA** **FIBER**	TAX DISTRICT	SEC 032 T 49N R 12W WORK ORDER: 17-1004-01 PAR/COUNTY: BOONE	PHONE: 816-361-8821 FAX: 816-361-8848 www.bluebirdnetwork.com	EXCHANGE: COLUMBIA ROUTE: NORTHEAST SHEET 4 OF 7
DRAWN BY/DATE: D PLACK 01-29-2017								
APPROVED BY/DATE:	SCALE: 1"=40'							

CITY OF COLUMBIA





E BROWN STATION RD BORE PROFILE
LOOKING WEST AT STA 25=22
NOT TO SCALE

UTILITIES NOTE:
GENERAL LOCATIONS OF UTILITIES ARE NOTED ON PRINTS. NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE DIGGING.

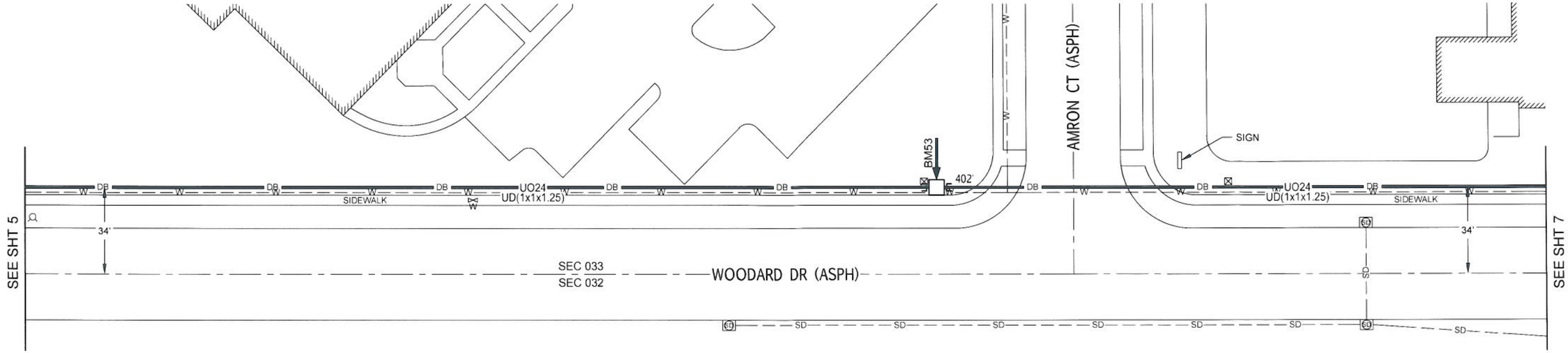
PERMITS REQD
MODOT ☐
COUNTY ☐
CITY ☒
OTHER ☐

XREF X-17-1004-01-FCSF-CLMB-01

POLE OR PED NO	POLE N / C	BD3		BFO24			UO6	UO24	UO6IE	UD (1x1x1.25)			BM60 (1.25)			BM21	BM53	BM2C	BM2C (5/8)(8)	HBFO	HO1	R5	R10	WUD	WHBFO	WHO1	NID(2)	WUH (24" X 36")	UH (24" X 36")	REVISE BY / DATE
HH #3								613		513							1												1	

STAKED BY/DATE: J SCOTT	01-27-2017	AS-BUILT POSTED:	BLUEBIRD NETWORK LLC 800 NW Chipman Rd Lees Summit, MO 64063	NORTH	PROJECT: **FCS FINANCIAL COLUMBIA** **FIBER**	TAX DISTRICT	SEC 032,033 T 49N R 12W WORK ORDER: 17-1004-01 PAR/COUNTY: BOONE	PHONE: 816-361-8821 FAX: 816-361-8848 www.bluebirdnetwork.com	EXCHANGE: COLUMBIA ROUTE: NORTHEAST SHEET 5 OF 7
DRAWN BY/DATE: D PLACK	01-29-2017								
APPROVED BY/DATE:		SCALE: 1"=40'							

CITY OF COLUMBIA



26+22 HYDRANT

27+97 WATER VALVE

29+81 COMM PEDESTAL
29+85 BBN HH, BEG & END BORE

30+14 EDGE OF PAVEMENT

30+35 C/L AMRON CT

30+58 EDGE OF PAVEMENT

30+72 C/L CONCRETE SIDEWALK

30+96 COMM PEDESTAL

31+50 STORM DRAIN

29+85
BBN HH #4
GPS: ____.______
-____.______

WALL	WALL
N S E W	N S E W

24 FIBER CABLE
PL 100' COIL

UTILITIES NOTE:
GENERAL LOCATIONS OF UTILITIES ARE NOTED ON PRINTS. NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE DIGGING.

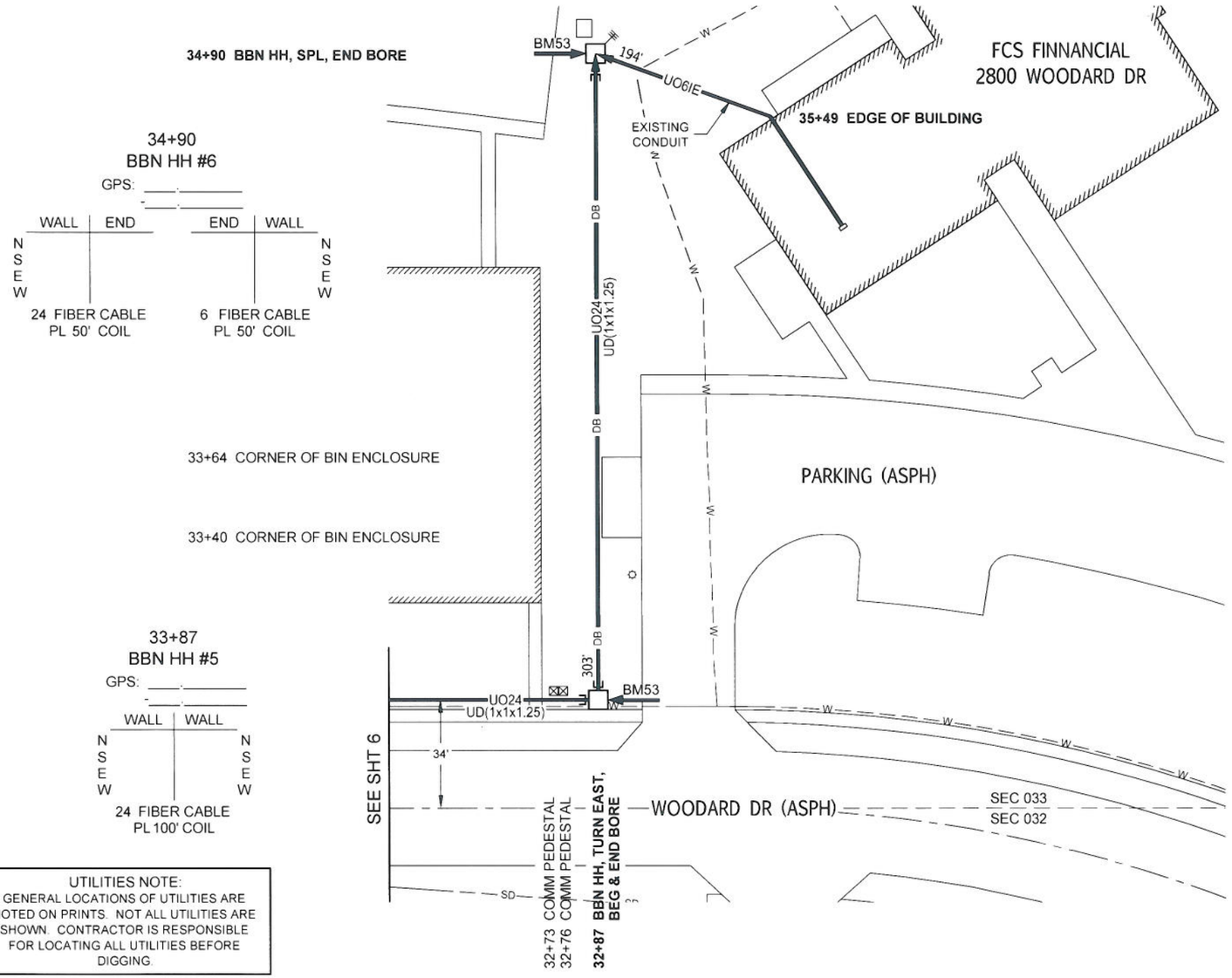
PERMITS REQD
MODOT ☐
COUNTY ☐
CITY ☒
OTHER ☐

XREF: X-17-1004-01-FCSF-CLMB-01

POLE OR PED NO	POLE N / C	BD3		BFO24			UO6	UO24	UO6IE	UD (1x1x1.25)			BM60 (1.25)			BM21	BM53	BM2C	BM2C (5/8)(8)	HBFO	HO1	R5	R10	WUD	WHBFO	WHO1	NID(2)	WUH (24" X 36")	UH (24" X 36")	REVISE BY / DATE
HH #4								402		302							1												1	

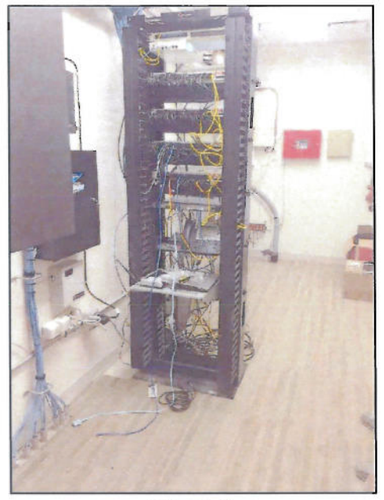
STAKED BY/DATE: J SCOTT 01-27-2017	AS-BUILT POSTED:	BLUEBIRD NETWORK LLC 800 NW Chipman Rd Lees Summit, MO 64063	NORTH	PROJECT: **FCS FINANCIAL COLUMBIA FIBER**	TAX DISTRICT	SEC 033 T 49N R 12W	PHONE: 816-361-8821 FAX: 816-361-8848 www.bluebirdnetwork.com	EXCHANGE: COLUMBIA
DRAWN BY/DATE: D PLACK 01-29-2017						WORK ORDER: 17-1004-01		ROUTE: NORTHEAST
APPROVED BY/DATE:	SCALE: 1"=40'					PAR/COUNTY: BOONE		SHEET 6 OF 7

CITY OF COLUMBIA





DETAIL A
EXISTING CONDUIT ENTRANCE
NOT TO SCALE



DETAIL B
RELAY RACK
NOT TO SCALE

NOTES:
1. BORE DUE EAST ALONG PROPERTY LINE. VERIFY LOCATION OF EXISTING CONDUIT NEAR STA 34+90 AND PLACE HH.
2. ACCESS END OF EXISTING 2" CONDUIT.
3. INSTALL APPROX 25' FLEX FROM RR LOCATION TO END OF 2" CONDUIT IN SERVER ROOM.
4. INSTALL 6CT PRE-TERMINATED ENTRANCE CABLE FROM RELAY RACK MOUNTED PATCH PANEL TO HH, 85' INSIDE BUILDING + 59' OUTSIDE + 50' SLACK IN HH.
5. ADDITIONAL SPLICE AT EXISTING SPLICE AT AP-02194.
6. CONTACT AARON VANDEGRIFF AT 573-338-1136.

UTILITIES NOTE:
GENERAL LOCATIONS OF UTILITIES ARE NOTED ON PRINTS. NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE DIGGING.

PERMITS REQD
- MODOT ☐
- COUNTY ☐
- CITY ☒
- OTHER ☐

XREF: X-17-1004-01-FCSF-CLMB-01

POLE OR PED NO	POLE N / C	BD3		BFO24			UO6	UO24	UO6IE	UD (1x1x1.25)			BM60 (1.25)			BM21	BM53	BM2C	BM2C (5/8)(8)	HBFO	HO1	R5	R10	WUD	WHBFO	WHO1	NID(2)	WUH (24" X 36")	UH (24" X 36")	REVISE BY / DATE
HH #5								303		203							1												1	
HH #6		1							194								1	1	1	1	6								1	

STAKED BY/DATE: J SCOTT	01-27-2017	AS-BUILT POSTED:	BLUEBIRD NETWORK LLC 800 NW Chipman Rd Lees Summit, MO 64063	NORTH	PROJECT: **FCS FINANCIAL COLUMBIA** **FIBER**	TAX DISTRICT	SEC 033 T 49N R 12W WORK ORDER: 17-1004-01 PAR/COUNTY: BOONE	PHONE: 816-361-8821 FAX: 816-361-8848 www.bluebirdnetwork.com	EXCHANGE: COLUMBIA ROUTE: NORTHEAST SHEET 7 OF 7
DRAWN BY/DATE: D PLACK	01-29-2017								
APPROVED BY/DATE:		SCALE: 1"=40'							