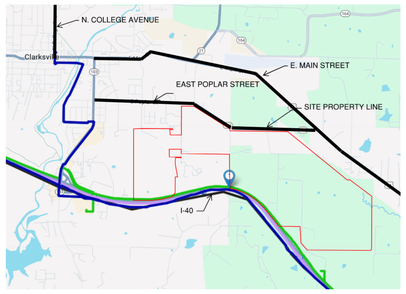


LAST MILE FIBER MAP

Metro Networks
- Crown Castle
- Ritter Communications
- Uniti Fiber
- Windstream
- Windstream - Dark

FIBER LIST

SITE PLAN LEGEND

- TELECOM ENTRANCE 1 - MAGENTA
- TELECOM ENTRANCE 2 - CYAN
- TELECOM ENTRANCE 3 - ORANGE
- TELECOM ENTRANCE 4 - GREEN
- TELECOM RING 1 FIBER ROUTING
- TELECOM RING 2 FIBER ROUTING

- INTERMEDIATE FIBER VAULT (IFV)
- BUILDING ENTRANCE VAULT (BEV)
- SERVICE PROVIDER VAULT (SPV)

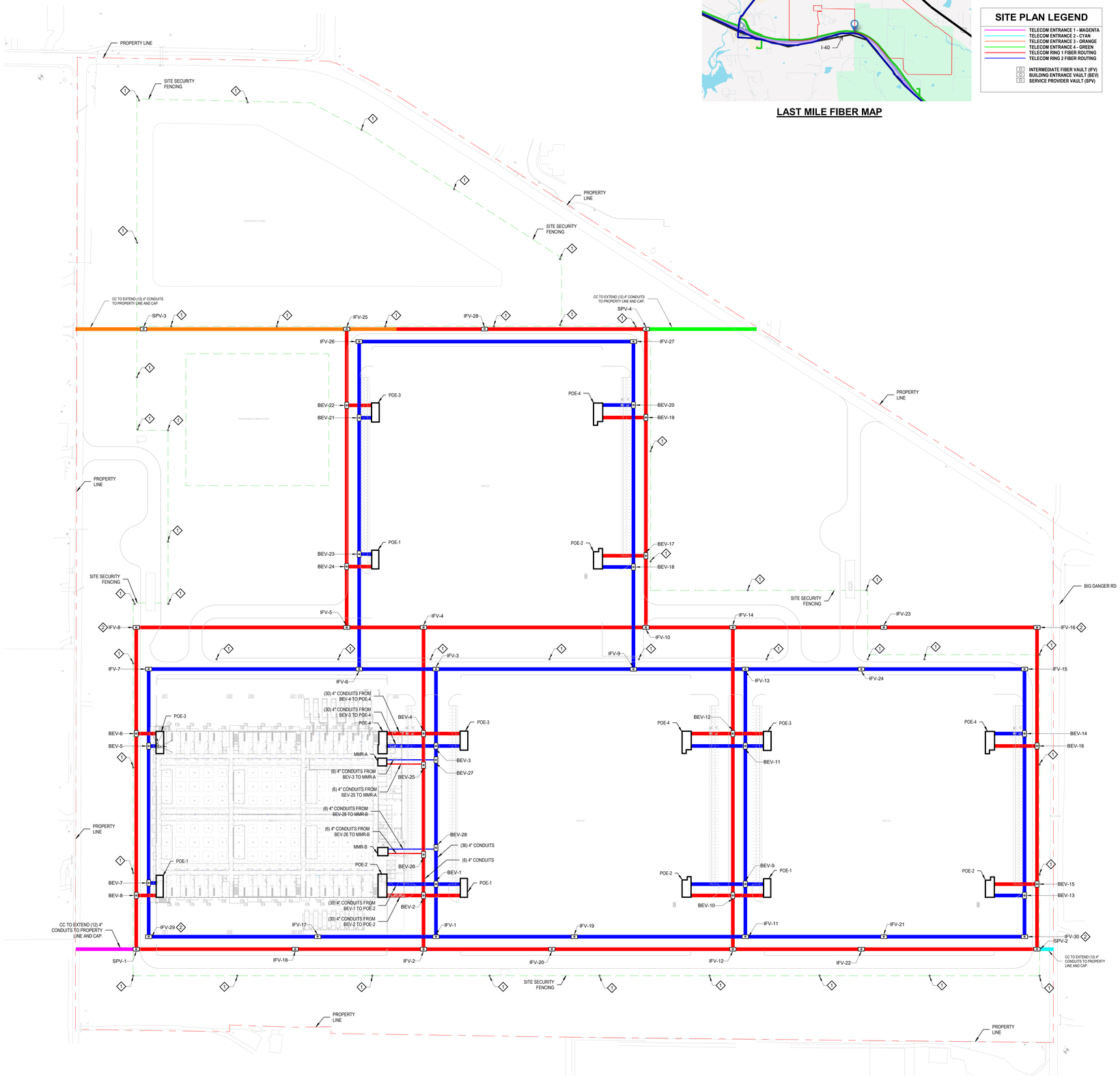
KEYNOTES	
1	SECURITY CAMERA POLE AND BASE BY GC. SECURITY POLE SHALL BE INSTALLED ON SECURE SIDE OF FENCE.
2	ADD-ALTERNATE - PROVIDE (30) 4" CONDUITS FROM MANHOLE TO PROPERTY LINE AND CAP FOR FUTURE USE.

GENERAL TELECOM OSP NOTES

1. ALL MANHOLES ARE REQUIRED TO REMAIN WITHIN THE SECURED FENCE LINE.
2. ALL COMMUNICATIONS DUCT BANKS MUST ABIDE BY THE FOLLOWING RULES:
   a. ALL BENDS SHALL MAINTAIN A MINIMUM BEND RADIUS OF TEN TIMES THE INTERNAL DIAMETER OF THE DUCT.
   b. COMMUNICATIONS DUCT BANK SHALL NOT EXCEED 600'-0" BETWEEN MANHOLES/HANDHOLES.
   c. IN THE EVENT THAT A 90 DEGREE BEND (IN TOTAL) OCCURS IN THE DUCT BANK, THE DUCT BANK SHALL NOT EXCEED 500'-0" BETWEEN MANHOLES.
   d. IN THE EVENT THAT A 180 DEGREE BEND (IN TOTAL) OCCURS IN THE DUCT BANK, THE DUCT BANK SHALL NOT EXCEED 400'-0" BETWEEN MANHOLES.
   e. IT IS UNACCEPTABLE TO EXCEED A 180 DEGREE BEND (IN TOTAL) BETWEEN PULL POINTS. IN THE EVENT THAT THIS OCCURS, AN ADDITIONAL MANHOLE IS REQUIRED.
3. ALL CONDUITS ARE REQUIRED TO BE PROVIDED WITH UNDERGROUND LINE WARNING TAPE AND ENCASED IN ORGANCE COLORED CONCRETE BY EC.
4. ALL DIVERSE DUCT BANK ROUTINGS SHALL MAINTAIN 25' OF PHYSICAL SEPERATION AT ALL TIMES.

DUCT BANK AND INNERDUCT NOTES

1. BASE SCOPE
   a. PROPERTY LINE TO SPV: (12) 4" CONDUITS SHALL BE PROVIDED FROM EACH SPV TO THE PROPERTY LINE AND CAPPED FOR FUTURE USE.
   b. CAMPUS TELECOM RINGS: TWO (36) 4" CONDUIT TELECOM RINGS SHALL BE ROUTED THROUGHOUT THE CAMPUS AS SHOWN.
   c. (30) 4" CONDUITS FROM EACH RING SHALL TERMINATE INTO EACH POE WITHIN EACH BUILDING.
   d. (6) 4" FROM EACH RING SHALL TERMINATE INTO EACH MMR WITHIN EACH BUILDING.
   e. MANHOLES SHALL BE SIZED A MINIMUM OF 12'L X 10'W X 8'T.
2. ADD ALTERNATE 1 SCOPE:
   a. (30) 4" CONDUITS SHALL BE EXTENDED FROM THE MANHOLES IDENTIFIED TO THE PROPERTY LINE FOR PARCEL-TO-PARCEL CONNECTIVITY.
3. ADD ALTERNATE 2 SCOPE:
   a. CAMPUS TELECOM RINGS: TWO (66) 4" CONDUIT TELECOM RINGS SHALL BE ROUTED THROUGHOUT THE CAMPUS AS SHOWN.
   b. (30) 4" CONDUITS FROM EACH RING SHALL TERMINATE INTO EACH POE WITHIN EACH BUILDING.
   c. (6) 4" FROM EACH RING SHALL TERMINATE INTO EACH MMR WITHIN EACH BUILDING.
   d. MANHOLES SHALL BE SIZED A MINIMUM OF 12'L X 10'W X 8'T.
   e. A MAXIMUM OF (36) 4" CONDUITS SHALL TERMINATE IN ANY ONE MANHOLE WALL. MULTIPLE MANHOLES SHALL BE USED FOR DUCT BANKS LARGER THAN (36) 4" CONDUITS
4. INNERDUCT SCOPE: 50% OF ALL TELECOM OSP CONDUITS SHALL BE POPULATED WITH (3) PACKS OF 4" 3-CELL MAXCELL (P# MXE116603). PULL STRINGS SHALL BE INCLUDED IN ALL CELLS OF MAXCELL.
   a. INNERDUCT SCOPE PRICING SHALL BE INCLUDED FOR BASE SCOPE + ADD ALTERNATE SCOPE 2.



1 TECHNOLOGY - SITEPLAN
SCALE 1" = 100'-0"

serverfarm
CORGAN
TGRWA STRUCTURAL ENGINEERS
kW Mission Critical Engineering Member of WSP
EP ENGINEERING PLUS
Kimley»Horn

ISSUES		
1	12/12/2025	SCHEMATIC DESIGN
2	01/23/2026	DESIGN DEVELOPMENT
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		

REVISIONS		
1	12/12/25	ISSUE FOR SD
2	01/23/26	ISSUE FOR DD

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TECHNOLOGY SITE PLAN

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1/23/2026 7:59:43 PM T01-01 TECHNOLOGY SITE PLAN

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