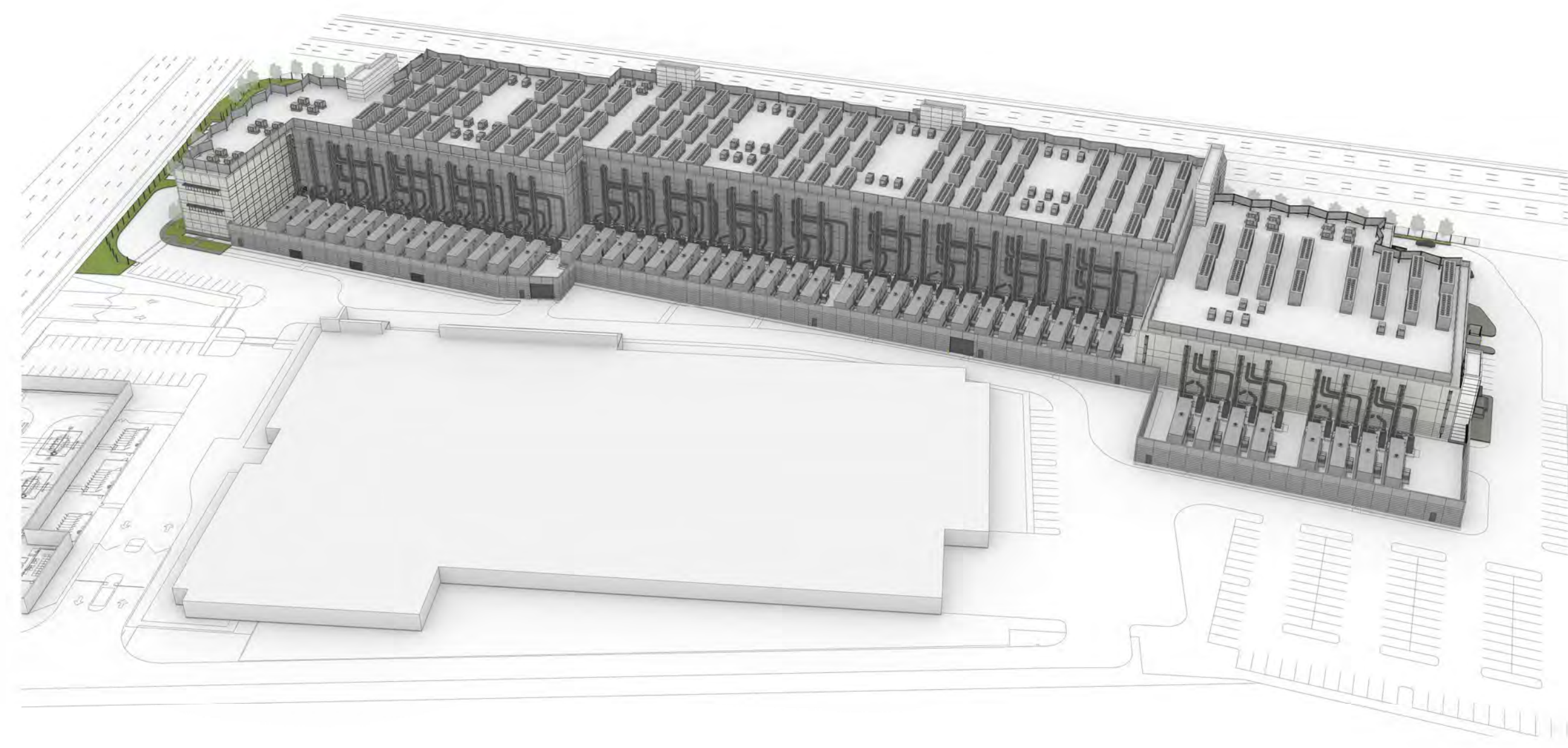


DOCKETED

Docket Number:	20-SPPE-02
Project Title:	Lafayette Backup Generating Facility
TN #:	234556
Document Title:	Presentation - Digital Realty for Status Conference
Description:	N/A
Filer:	Scott Galati
Organization:	DayZenLLC
Submitter Role:	Applicant Representative
Submission Date:	9/2/2020 2:54:45 PM
Docketed Date:	9/2/2020



09 OVERALL SOUTH AERIAL PERSPECTIVE



06 SOUTHWEST AERIAL PERSPECTIVE



03 SOUTHWEST PERSPECTIVE RENDERING
1/12" = 1'-0"



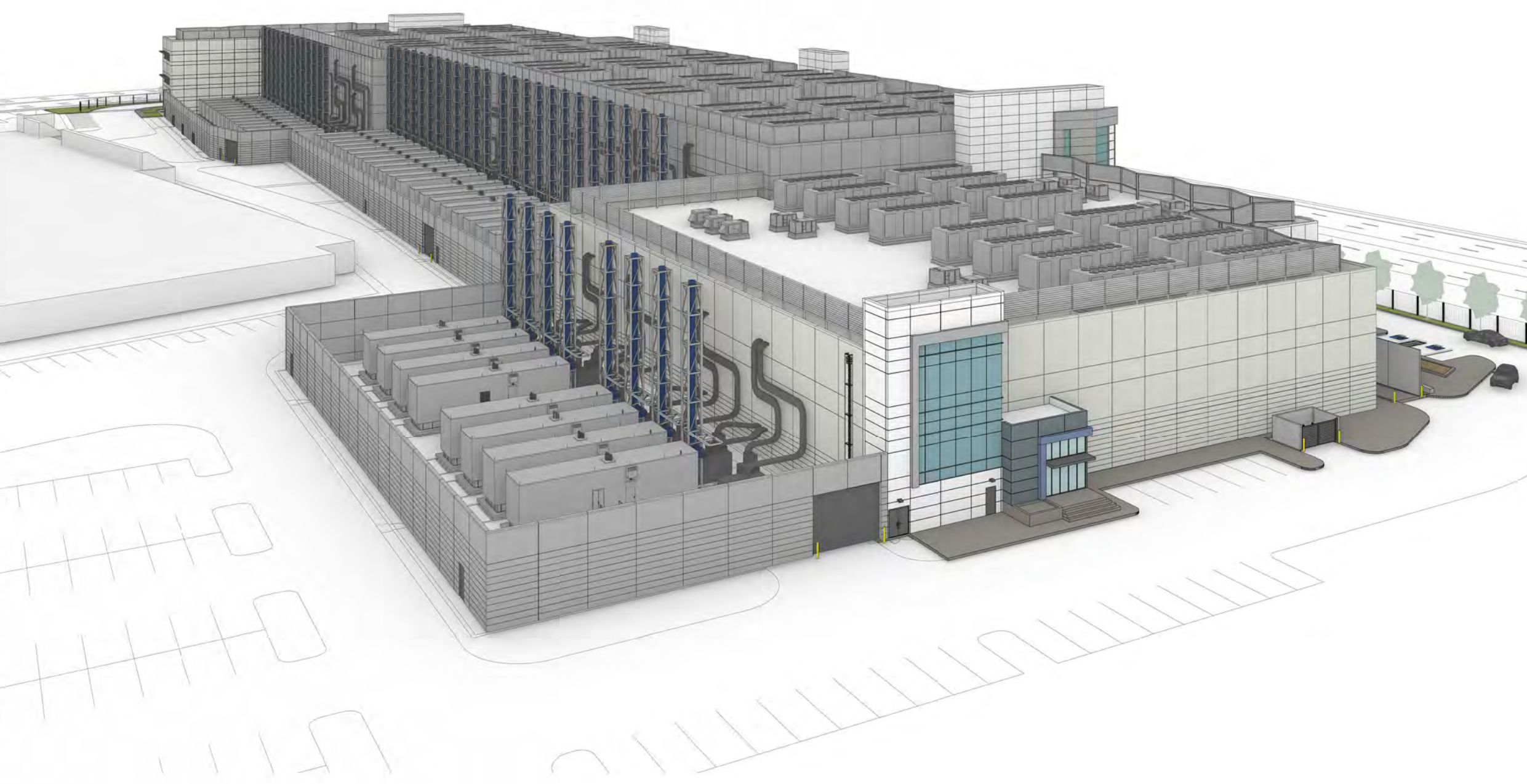
08 OVERALL NORTH AERIAL PERSPECTIVE



05 NORTHWEST AERIAL PERSPECTIVE



02 NORTHWEST PERSPECTIVE RENDERING
1/12" = 1'-0"



07 SOUTHEAST AERIAL PERSPECTIVE



04 NORTHEAST AERIAL PERSPECTIVE



01 NORTHWEST PERSPECTIVE RENDERING
1/12" = 1'-0"



DIGITAL REALTY
Data Center Solutions

2825 LAFAYETTE STREET
SANTA CLARA, CA
95050-2627

MEP ENGINEER



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www.esdglobal.com
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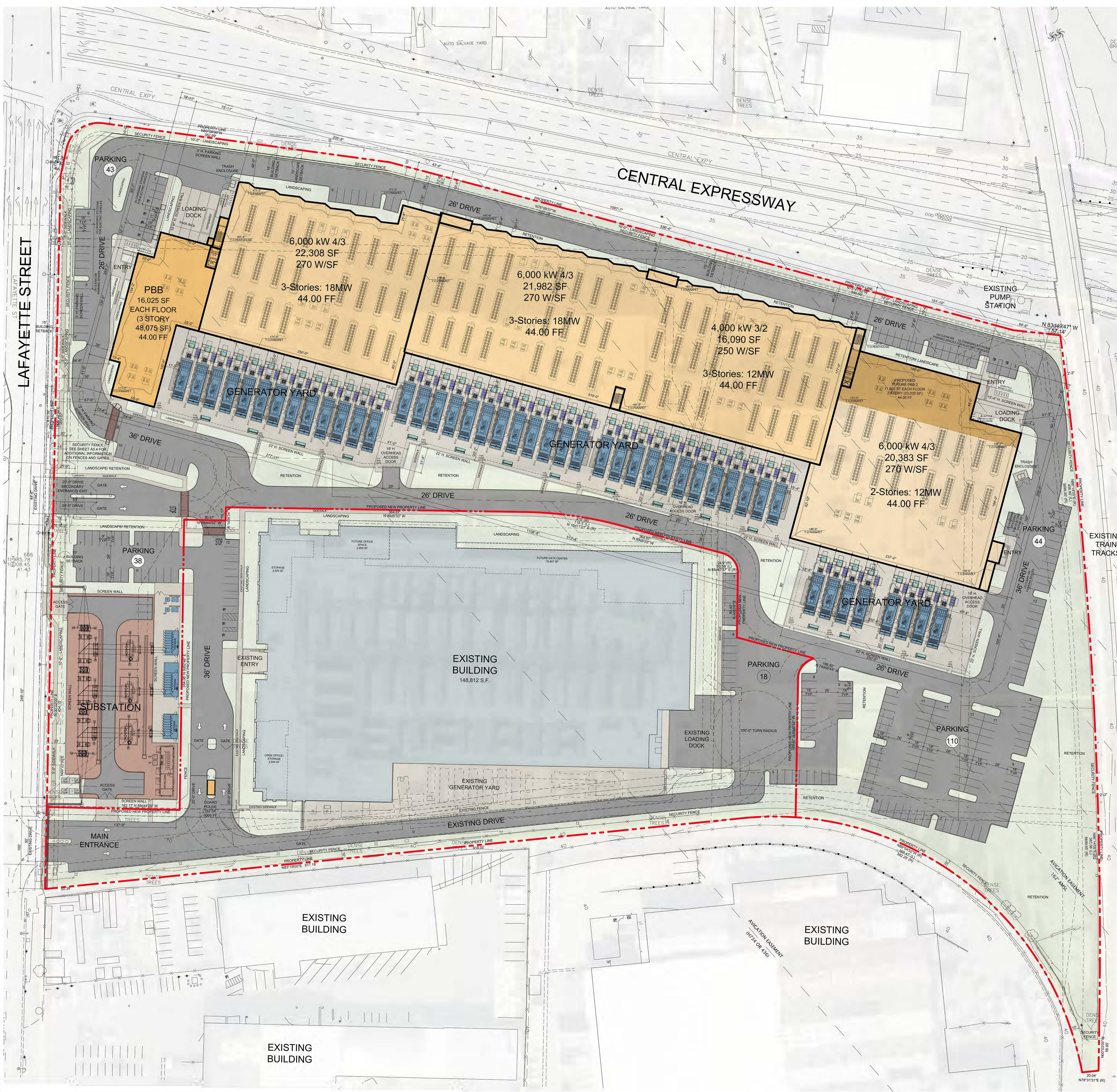
INTERIM REVIEW ONLY
These documents are preliminary, and are not intended for regulatory approval, permit or construction purposes.
Abstract: XXXXXX
Arch. Reg. No.: XXXX
Date: XXXXXXXX

NO.	DESCRIPTION	DATE
2	PCC ISSUANCE	06.19.20
1	PCC ISSUANCE	10.28.19
	RECORD	

MASTER PLAN

BUILDING PERSPECTIVES

PRINCIPAL IN CHARGE MC	PROJECT NUMBER C190280
PROJECT MANAGER CM	DATE 06/19/2020
PROJECT ENGINEER	SHEET NUMBER
SCALE	A3.0



SITE INFORMATION:

PROJECT NAME: 2825 LAFAYETTE STREET
 PROJECT DESCRIPTION: NEW DATA CENTER
 PROJECT CONTACT: CHAD MENDELL
 ENVIRONMENTAL SYSTEMS DESIGN, INC.
 233 SOUTH WACKER DRIVE, SUITE 5300
 CHICAGO, ILLINOIS 60606
 312-372-1200
 OWNER: DIGITAL LAFAYETTE, LLC
 2825 LAFAYETTE STREET
 SANTA CLARA, CA 95050-2627
 PARCEL NUMBER: NORTH PARCEL: 224-04-093
 SOUTH PARCEL: 224-04-094
 LOT NUMBER: NORTH PARCEL: LOT 2
 SOUTH PARCEL: LOT 1
 TRACT NUMBER: NORTH PARCEL: 93
 SOUTH PARCEL: 94
 LEGAL: BOUNDED BY CENTRAL EXPRESSWAY TO THE NORTH,
 LAFAYETTE STREET TO THE WEST, 2825 LAFAYETTE
 STREET (SITE) AND RAILROAD TRACKS TO THE EAST, AND
 2805 LAFAYETTE STREET (DLR) TO THE SOUTH COUNTY OF
 SANTA CLARA: 1.78M POPULATION (2010 CENSUS)
 TAX ASSESSOR'S PARCEL NUMBER (APN): 224-04-093
 ZONING: MH - HEAVY INDUSTRIAL
 PROCESSING AND STORAGE USES PERMITTED
 (MH - ZONING ORD 18.50.030)
 COMMERCIAL STORAGE AND WHOLESALE DISTRIBUTION
 FEMA: NORTH PARCEL: FLOOD ZONE X
 SOUTH PARCEL: FLOOD ZONE AH
 BUILDING SETBACKS: FRONT YARD: 15'-0"
 EACH LOT SHALL HAVE A STREET SIDE FRONT YARD
 OF NOT LESS THAN FIFTEEN (15) FEET IN DEPTH
 SIDE YARD: 15'-0"
 THE STREET SIDE YARD OF EACH CORNER LOT
 EXCLUSIVE OF THE FRONT YARD SHALL BE NOT LESS
 THAN FIFTEEN (15) FEET IN DEPTH
 REAR YARD: 0'-0"
 SETBACK ADJACENT TO NON-RESIDENTIAL 0' REAR
 YARD
 LANDSCAPE SETBACKS: FRONT, SIDE YARDS: 10'-0"
 A MINIMUM OF TEN FEET OF THE REQUIRED FRONT
 AND STREET SIDE YARDS, EXCLUSIVE OF
 CITY-PERMITTED DRIVEWAY CUTS, SHALL BE
 DEVELOPED INTO AND PERMANENTLY MAINTAINED AS
 OPEN LANDSCAPED AREAS SUBJECT TO THE
 APPROVAL OF THE DIRECTOR OF PLANNING AND
 INSPECTION.
 HEIGHT: 70 FT MAX HEIGHT (ZONING ORD. 18.50.070)
 MECH AND PARAPETS CAN BE PLACED ABOVE THIS
 (ZONING ORD. 18.54.010). VARIABLE MAX. HEIGHT BASED
 ON FAI REGULATIONS.
 SITE AREA: NORTH PARCEL: 691,526.384 S.F.
 SOUTH PARCEL: 299,683.550 S.F.
 TOTAL: 991,209.934 S.F.
 (22,755 ACRES)
 TYPE OF USE: OFFICE/ DATA CENTER
 OCCUPANCY GROUP: BUSINESS GROUP B (CHAPTER 3, SECTION 304)
 TYPE OF BUILDING CONSTRUCTION: TYPE 2B (FULLY SPRINKLERED)
 (CHAPTER 6, TABLE 601)
 BUILDING AREA: EXISTING BUILDING - 2805: 148,812 S.F.
 DATA CENTER: 148,812 S.F.
 NEW BUILDING - 2825: 575,401 S.F.
 DATA CENTER: 575,401 S.F.
 TOTAL: 724,213 S.F.
 GENERATOR YARD: 108,631 S.F.
 % LOT COVERAGE: (209,869/ 691,526.384 = 0.3034) 30%
 FLOOR-TO-AREA RATIO (FAR) 0.90
 PROPOSED NEW BUILDING
 PARKING REQUIRED: DATA CENTER (EXISTING) 38 SPACES
 (1 SPACE PER 4,000 S.F.) (148,812 S.F. / 4000 = 38 SPACES)
 DATA CENTER (NEW) 144 SPACES
 (1 SPACE PER 4,000 S.F.) (575,401 S.F. / 4000 = 144 SPACES)
 TOTAL PARKING REQUIRED: 182 SPACES
 DATA CENTER (NEW): (144 + 38 = 182 SPACES)
 PARKING PROVIDED FOR BUILDING 2805: 76 SPACES
 PARKING PROVIDED FOR BUILDING 2825: 177 SPACES
 TOTAL PARKING PROVIDED: 253 SPACES
 * NOTE: THERE ARE 0 COMPACT PARKING STALLS ON THIS SITE.
 BICYCLE RACKS REQUIRED: DATA CENTER (NEW): (CLASS 1 - 5% OF 182 PARKING STALLS) = 10 RACKS
 (CLASS 2 - 5% OF 182 PARKING STALLS) = 10 RACKS
 BICYCLE RACKS PROVIDED: DATA CENTER (NEW): CLASS 1 = 10 RACKS
 CLASS 2 = 10 RACKS
 CHARGING STATION PARKING SPACES REQUIRED: DATA CENTER (NEW): (6% OF 182 PARKING STALLS) = 11 SPACES
 CHARGING STATION PARKING SPACES PROVIDED: DATA CENTER (NEW): 11 SPACES
 CLEAN AIR PARKING SPACES REQUIRED: DATA CENTER (NEW): (8% OF 182 PARKING STALLS) = 15 SPACES
 CLEAN AIR PARKING SPACES PROVIDED: DATA CENTER (NEW): 15 SPACES

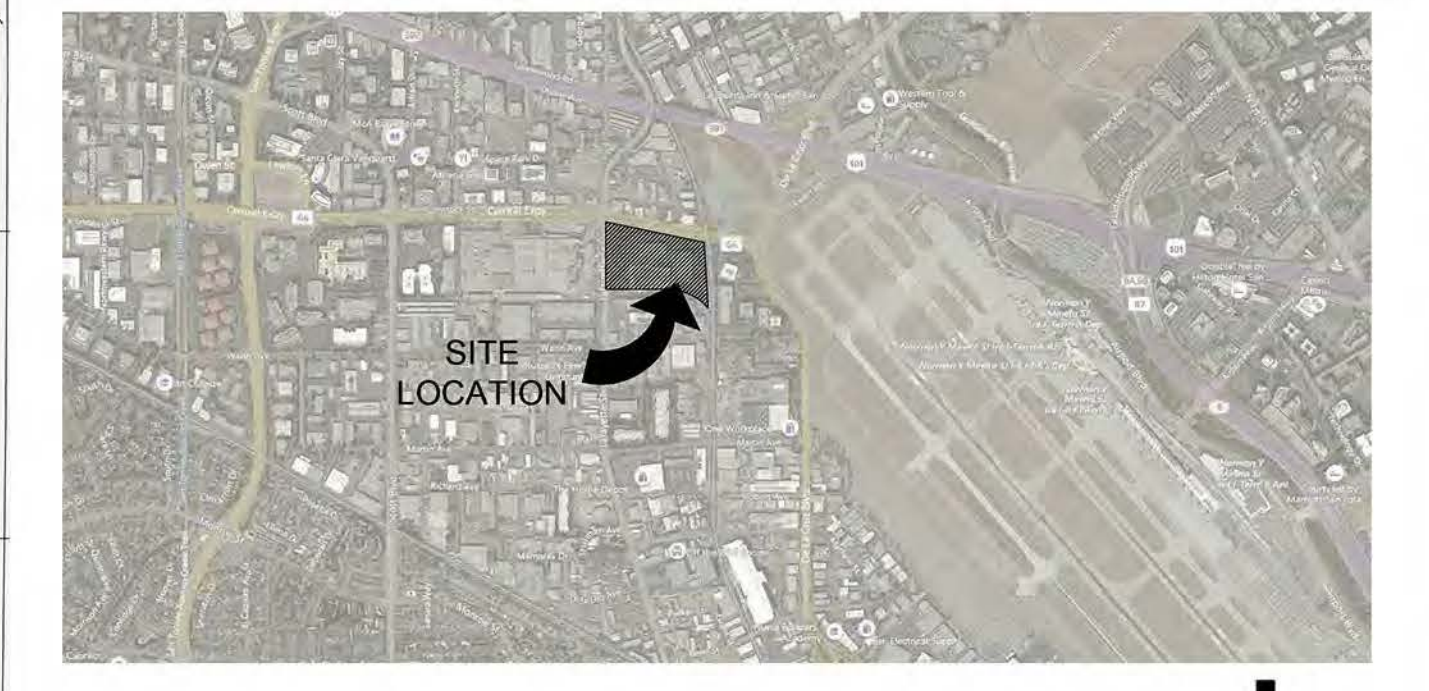
GENERAL NOTES:

- ALL GATES INSTALLED ON DESIGNATED FIRE DEPARTMENT ACCESS ROADS ARE REQUIRED TO ELECTRICALLY AUTOMATIC POWERED GATES. GATES SHALL BE PROVIDED WITH AN EMERGENCY BATTERY POWER SUPPLY, OR SHALL BE A FAIL-SAFE DESIGN, ALLOWING THE GATE TO BE PUSHED OPEN WITHOUT THE USE OF SPECIAL KNOWLEDGE OR EQUIPMENT. TO CONTROL THE AUTOMATIC GATES A DETECTOR/STROBE SWITCH SHALL BE INSTALLED TO ALLOW EMERGENCY VEHICLES (E.G., FIRE, POLICE, EMS) TO FLASH A VEHICLE MOUNTED STROBE LIGHT TOWARDS THE SYSTEM AND OPENS THE GATE. THE GATES SHALL BE EQUIPPED WITH A TOMAR STROBE SWITCH OR 3M OPTICOM DETECTOR TO FACILITATE THIS OPERATION.

GENERAL NOTES:

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VICINITY MAP



N.T.S. NORTH

LEGEND:
 LOCATION OF OVERHEAD POWER LINES AND POLES

PROPOSED NEW SITE PLAN
 80' 40' 20' 0'
 1"=40'-0" NORTH

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PEOPLES ASSOCIATES
 STRUCTURAL ENGINEERS

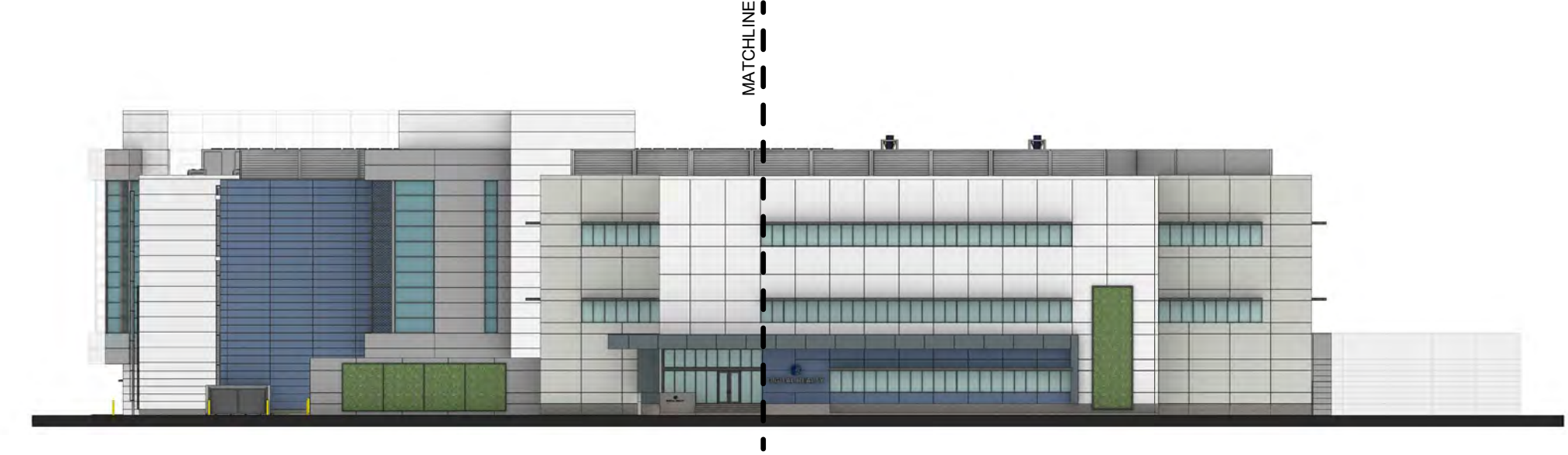
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Kimley Horn

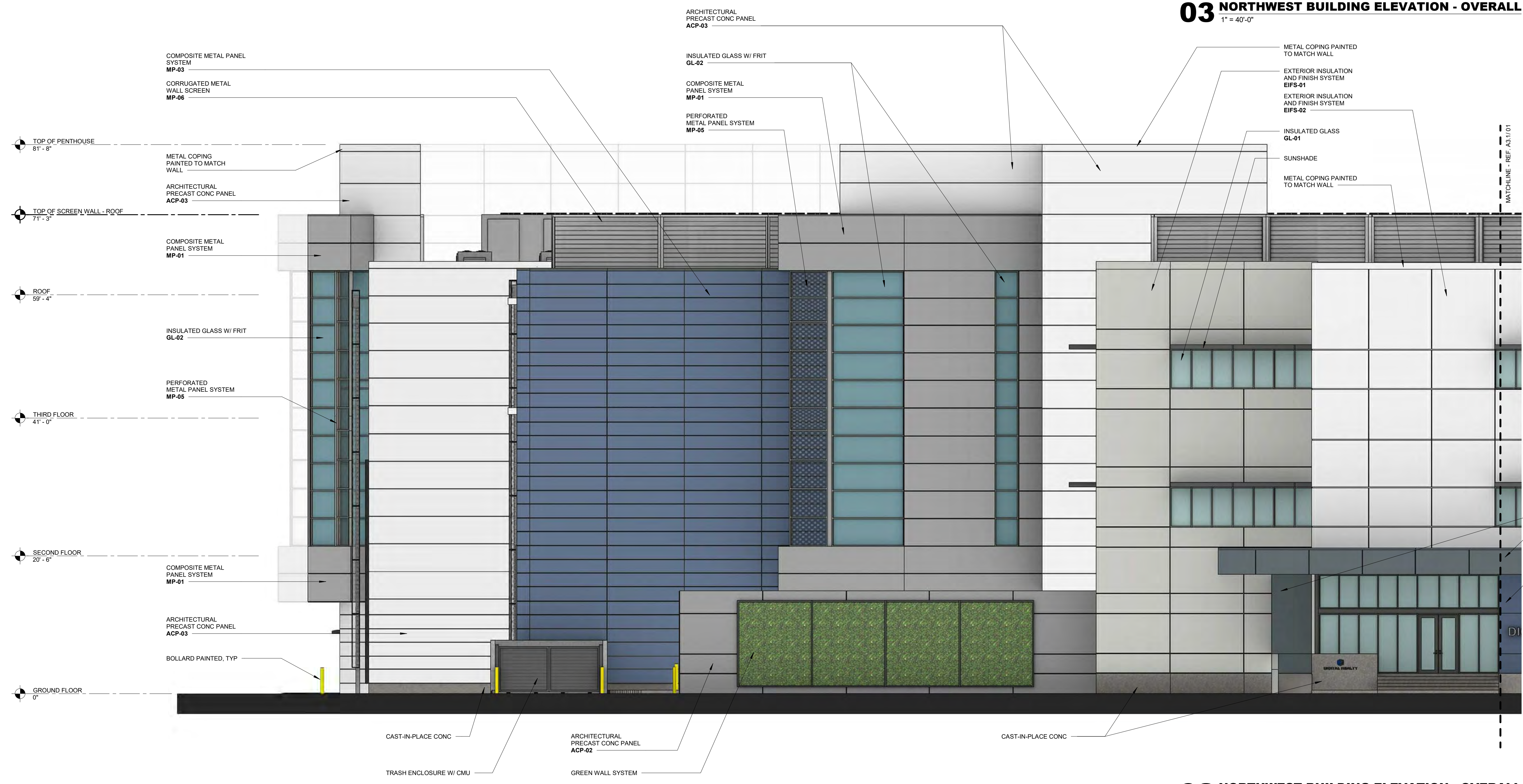
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MASTER PLAN
PROPOSED NEW SITE PLAN

PRINCIPAL IN CHARGE MC	PROJECT NUMBER C190280
PROJECT MANAGER CM	DATE 06/19/2020
PROJECT ENGINEER	SHEET NUMBER A1.1



03 NORTHWEST BUILDING ELEVATION - OVERALL
1" = 40'-0"



02 NORTHWEST BUILDING ELEVATION - OVERALL
1/8" = 1'-0"



01 NORTHWEST BUILDING ELEVATION - AREA 01
1/8" = 1'-0"

EXTERIOR MATERIALS LEGEND:

- ARCHITECTURAL CONCRETE PANEL (ACP):**
- ACP-01 ARCHITECTURAL PRECAST CONC PANEL
COLOR: DARK GRAY
FINISH: SMOOTH W/ REVEALS
LOCATION: STAIR TOWERS, SOUTH DATA CENTER WALLS
 - ACP-02 ARCHITECTURAL PRECAST CONC PANEL
COLOR: LIGHT GRAY
FINISH: SMOOTH W/ REVEALS
LOCATION: DATA CENTER WALL, SCREEN WALL
 - ACP-03 ARCHITECTURAL PRECAST CONC PANEL
COLOR: WHITE
FINISH: SMOOTH W/ REVEALS
LOCATION: STAIR TOWERS, SOUTH DATA CENTER WALLS

- EXTERIOR GLAZING (GL):**
- GL-01 1" INSULATED LOW-E VISION GLASS
GLASS SELECTION: WARGON SOLARBAN 70XL CLEAR
LOCATION: TYPICAL VISION GLAZING
 - GL-02 1" INSULATED LOW-E VISION GLASS
GLASS SELECTION: WARGON SOLARBAN 70XL CLEAR
SOLID CERAMIC FRIT - 40%
LOCATION: STAIR TOWERS

- EXTERIOR INSULATION AND FINISH SYSTEM (EIFS):**
- EIFS-01 COLOR: LIGHT GRAY
LOCATION: OFFICES
 - EIFS-02 COLOR: WHITE
LOCATION: OFFICES

- METAL PANEL (MP):**
- MP-01 COMPOSITE METAL PANEL
BASIS OF DESIGN:
COLOR: DARK GRAY
LOCATION: STAIR TOWER
 - MP-02 COMPOSITE METAL PANEL
BASIS OF DESIGN:
COLOR: LIGHT GRAY
LOCATION: NORTH ELEVATION
 - MP-03 COMPOSITE METAL PANEL
BASIS OF DESIGN:
COLOR: LIGHT BLUE
LOCATION: NORTH ELEVATION
 - MP-04 COMPOSITE METAL PANEL
BASIS OF DESIGN:
COLOR: GRAY VELVET
LOCATION: NORTH ELEVATION
 - MP-05 PERFORATED METAL PANEL
BASIS OF DESIGN:
COLOR: DARK GRAY
LOCATION: STAIR TOWER
 - MP-06 CORRUGATED METAL PANEL
BASIS OF DESIGN:
COLOR: LIGHT GRAY
LOCATION: SCREEN WALL

GREEN SCREEN SYSTEM:
FLAT/NO-ARTICULATED W/ TENSIONING EXTRUSIONS
MOUNTED DIRECTLY TO STRUCTURE

- COLORS:**
- PT-01 DARK GRAY
 - PT-02 LIGHT GRAY
 - PT-03 WHITE
 - PT-04 LIGHT BLUE
 - PT-05 GRAY VELVET
 - PT-06 WEB GRAY

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MASTER PLAN

BUILDING ELEVATIONS - NORTHWEST

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PROJECT MANAGER CM	DATE 06/19/2020
PROJECT ENGINEER	SHEET NUMBER A3.1
SCALE	