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ENGINEER OF RECORD
SRIHARI RAGHAVAN, P.E.
LICENSE # 30981

CUSTOMER SITE

DIGITAL REALTY TRUST
80 MERITT BLVD.
TRUMBULL, CT 06611



REVISION HISTORY		
REV	REVISION ISSUE	DATE
0	RELEASED PER ION-10385	02/23/2017

DESIGNED BY	DATE
PARTHA JOSHI	01/17/2017
DRAWN BY	DATE
TIM SHREVE	03/06/2017
REVISED BY	DATE
PARTHA JOSHI	03/06/2017
APPROVED BY	DATE
SRI RAGHAVAN	03/06/2017

SHEET TITLE

OVERALL SITE PLAN

DRAWING NUMBER

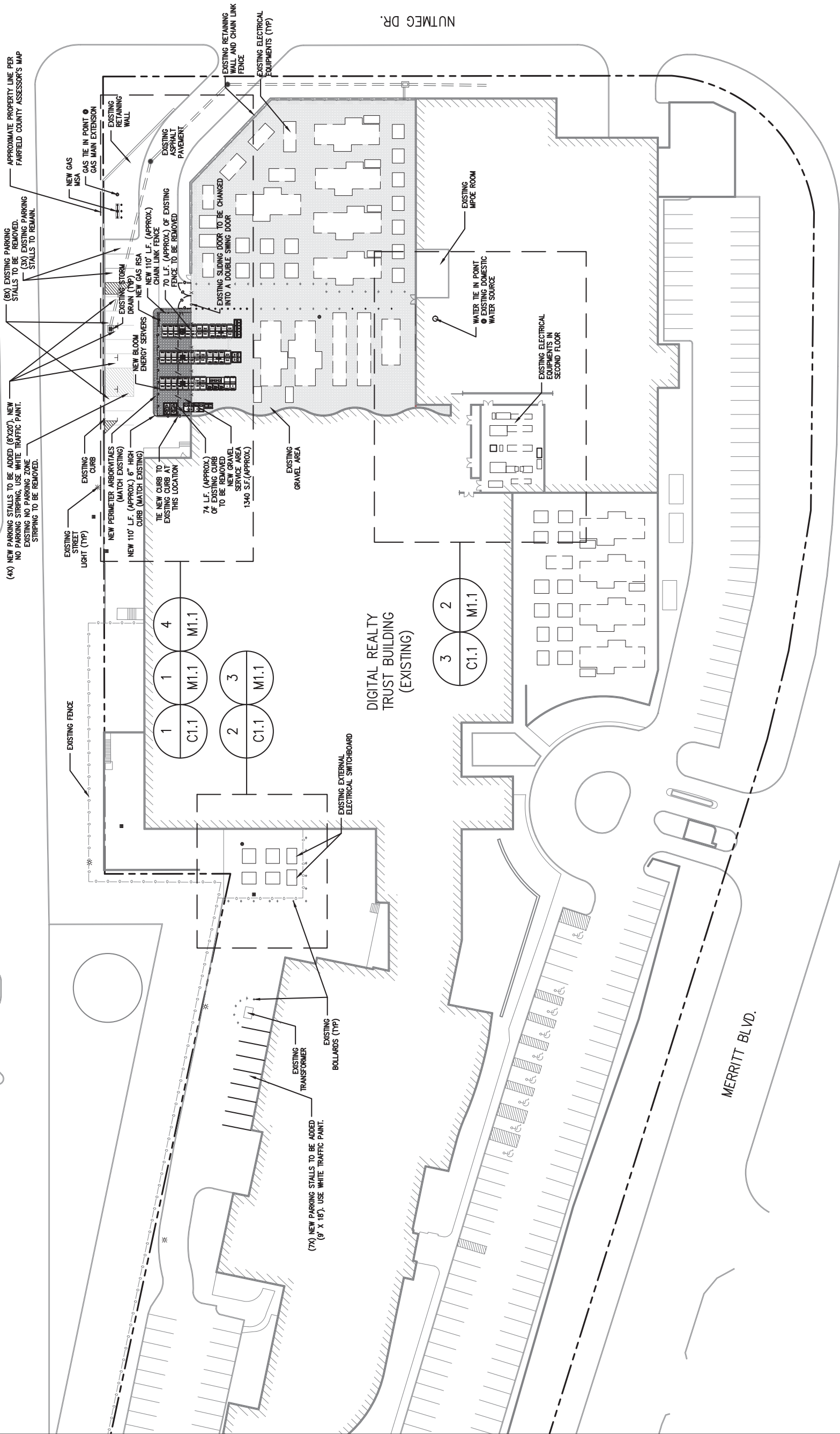
G1.1

BLOOM DOCUMENT

DOC-1008490

THIS DRAWING IS 24" X 36" AT E111 SIZE

SITE ID: DGR000.0 SHEET 03 OF 18



OVERALL SITE PLAN

SCALE: $1'' = 30'$

1

G11



1299 ORLEANS DRIVE
SUNNYVALE, CA 94089

PROPRIETARY AND CONFIDENTIAL

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SEAL



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DIGITAL REALTY

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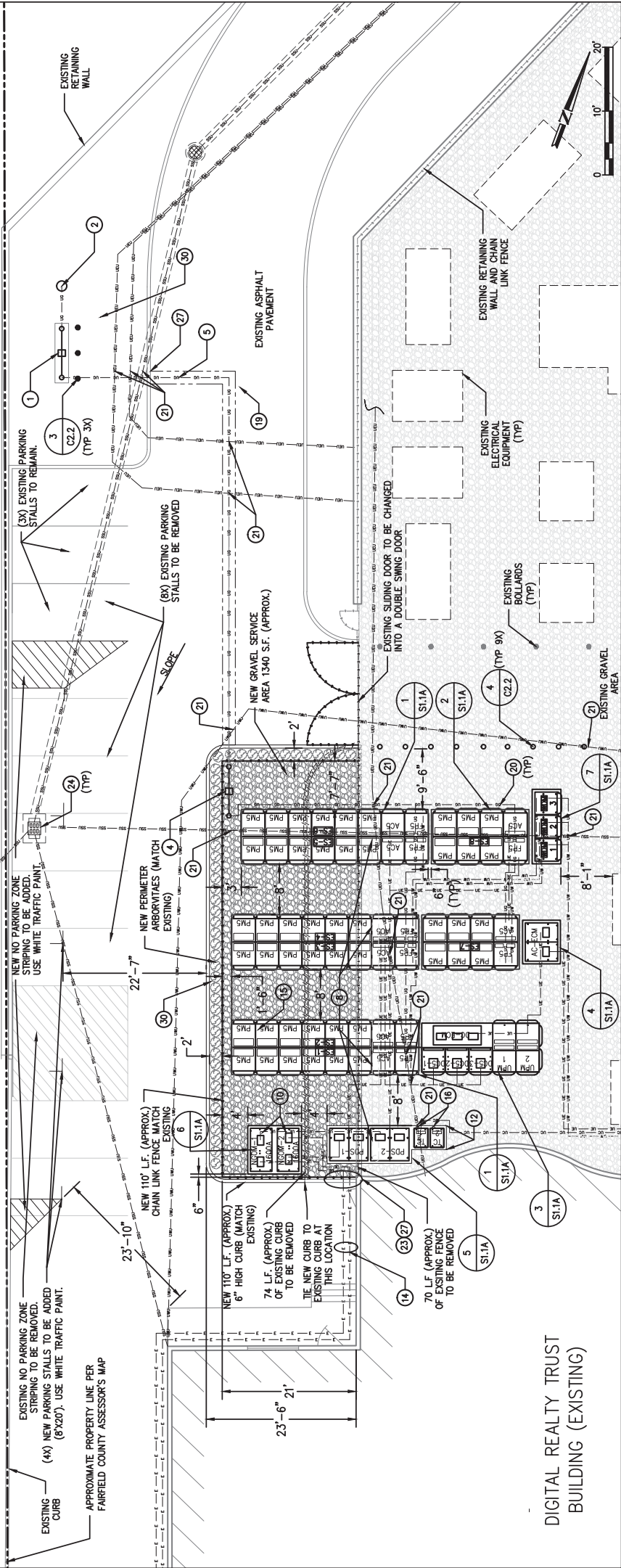
SHEET TITLE
DETAILED SITE PLAN
DRAWING NUMBER
C1.1
BLOOM DOCUMENT
DOC-1008490
THIS DRAWING IS 24" X 36" AT FULL SIZE
SITE ID: DGR000.0
SHEET 04 OF 18

GENERAL NOTES

- CLEAN AND PRIME ALL NEW WIRE MOUNTED SPRING AND CONDUIT. PIPING AND CONDUIT SHALL BE PAINTED WITH EXTERIOR GRADE PAINT TO MATCH EXISTING.
- CONDUITS AND PIPES MOUNTED TO BUILDING WALL SHALL BE SUPPORTED AS PER LOCAL CODE, RUN AT HEIGHT ABOVE DOORWAYS, AND STAND OFF WALL TO AVOID EXISTING CONDUITS AND PIPES.
- SLOPE LINES SHOWN ARE APPROXIMATE AND INTENDED TO SHOW THE GENERAL DIRECTION OF WATER RUN OFF; SLOPE LINES ARE DRAWN PER SURVEY OF SURROUNDING AREA.
- FOR UTILITY CONNECTIONS FROM ANCILLARY EQUIPMENT TO SYSTEM SEE PRODUCT INSTALLATION DRAWINGS.

REFERENCE SHEET NOTES

- NEW UTILITY PROVIDED AND INSTALLED GAS METER ASSEMBLY. CONTRACTOR SHALL PROVIDE PAD PER DETAILS IF REQUIRED BY UTILITY COMPANY. COORDINATE ALL CONNECTIONS WITH GAS UTILITY.
- NEW UNDERGROUND GAS SERVICE TAP BY UTILITY COMPANY. COORDINATE WITH GAS UTILITY. CONTRACTOR SHALL PERFORM COMPACTATION AND MATCH EXISTING SURFACE AND GRADE. CONTRACTOR SHALL COORDINATE GAS PIPE SIZING AND INSTALLATION REQUIREMENTS WITH UTILITY.
- NEW PRIVATE GAS REGULATOR SET ASSEMBLY FOR ENERGY SERVER WITH SHUT-OFF VALVE. REFER TO GAS RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- NEW 3" GAS PIPE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO GAS RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- TAP EXISTING WATER LINE AT NEAREST ACCESSIBLE LOCATION IN BUILDING AS SHOWN WITH A LOCAL SHUT-OFF VALVE. REFER TO DOMESTIC WATER CONNECTION DETAIL FOR ADDITIONAL REQUIREMENTS.
- NEW WATER PIPE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO WATER RISER DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL REPLACE EXISTING STORM DRAIN PIPE UNDER SYSTEM WITH DUCTILE IRON PIPE AND MATCH EXISTING SIZE EXTENDING A MINIMUM 4' BEYOND SYSTEM.
- EXISTING UTILITY ELECTRIC METER. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- NEW BLOOM PROVIDED. CONTRACTOR INSTALLED, DISCONNECT SWITCH. MOUNT TO WALL PER MANUFACTURER AND UTILITY SPECIFICATIONS.
- CONTRACTOR SHALL TERMINATE ELECTRIC FEEDER AS SHOWN. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE TWO GROUNDING RODS TO BE PLACED 6' APART MINIMUM. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- NEW ELECTRICAL FEEDER SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- MOUNT NEW CONDUIT/PIPE TO EXTERIOR WALL. COORDINATE EXACT ROUTING WITH CUSTOMER REPRESENTATIVE IN THE FIELD. REFER TO WALL MOUNTING DETAIL FOR ADDITIONAL REQUIREMENTS.
- NEW BLOOM ENERGY SERVER. REFER TO BLOOM STANDARD INSTALLATION DRAWING SET FOR ADDITIONAL ENERGY SERVER DETAILS (EPO).
- CONTRACTOR SHALL CORE CONDUIT AND/OR PIPE THROUGH WALL. SCAN WALL PRIOR TO CORING TO AVOID COLLATERAL DAMAGE TO EXISTING UTILITIES AND PIPING. REFER TO WALL PENETRATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE SAWCUT TRENCH FOR UNDERGROUND UTILITIES IN THIS LOCATION AND HAND DIG TRENCHES WHERE THEY CROSS EXISTING UTILITIES. REFER TO UNDERGROUND/TRENCH CONDUIT AND PIPING DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL EXCAVATE UNDER ENERGY SERVERS AND ANCILLARY PADS LOCATIONS. REFER TO PAD DETAILS FOR ADDITIONAL EXCAVATION AND BACKFILL REQUIREMENTS.
- PROTECT EXISTING UNDERGROUND UTILITY LINES FROM DAMAGE WHEN CROSSING WITH NEW UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED LINES.
- CONTRACTOR SHALL PROVIDE NEW CONDUIT AND CABLE FROM NEW TO UTILITY GAS MSA TO CUSTOMER MPOE FOR UTILITY BILLING. REFER TO BLOOM ENERGY PRODUCT INSTALLATION DRAWINGS FOR CONNECTION REQUIREMENTS.
- CONTRACTOR SHALL TRANSITION ALL ABOVEGROUND NEW LINES TO UNDERGROUND UTILITIES. REFER TO UNDERGROUND DETAIL FOR ADDITIONAL REQUIREMENTS.
- PROVIDE "DANDY SACK" OR EQUAL WITH OUTFLOW PORTS AT STORM DRAIN INLET. REFER TO EROSION CONTROL DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL UNDER-CUT EXISTING CURB FOR TRENCHING UTILITY LINES AND BACKFILL WITH CONCRETE SLURRY. IF CURB IS DAMAGED, REPAIR TO MATCH EXISTING.
- CONTRACTOR SHALL PROVIDE TURF RESTORATION. REFER TO TURF RESTORATION DETAIL FOR ADDITIONAL REQUIREMENTS.

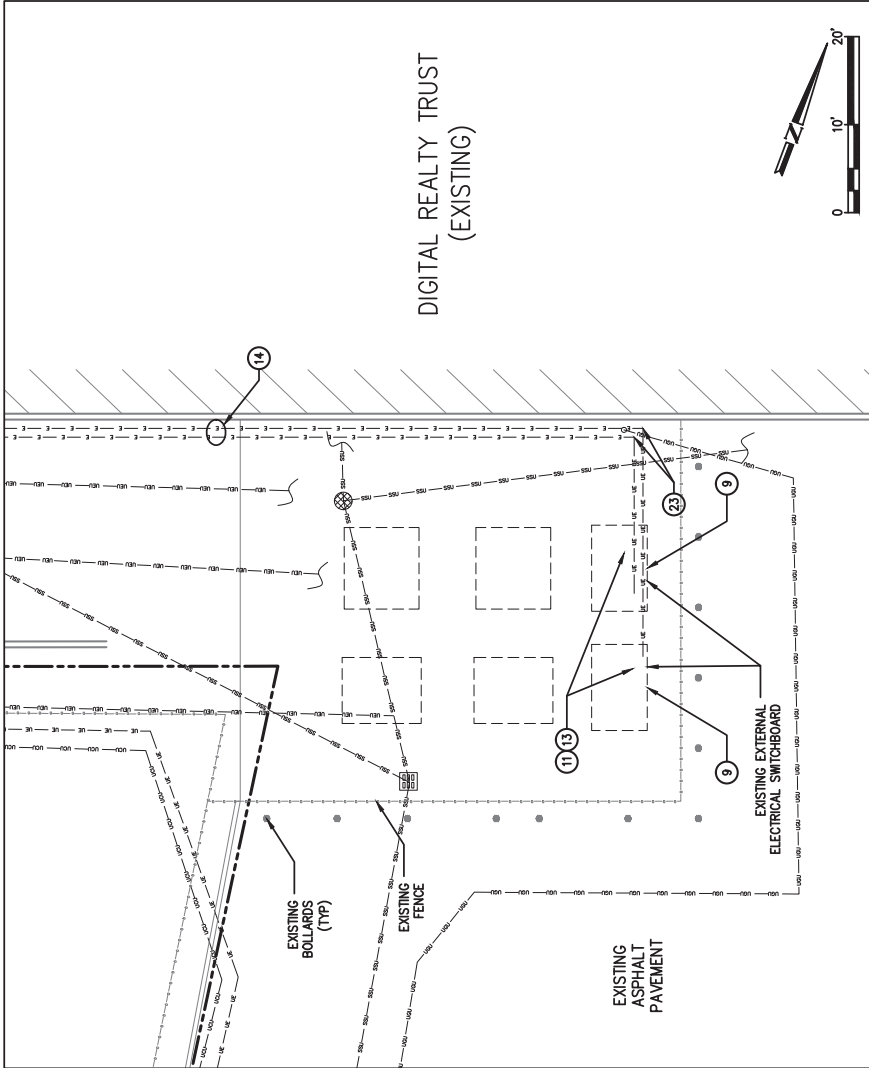


DETAILED SITE PLAN

SCALE: 1" = 10'

1

C1.1

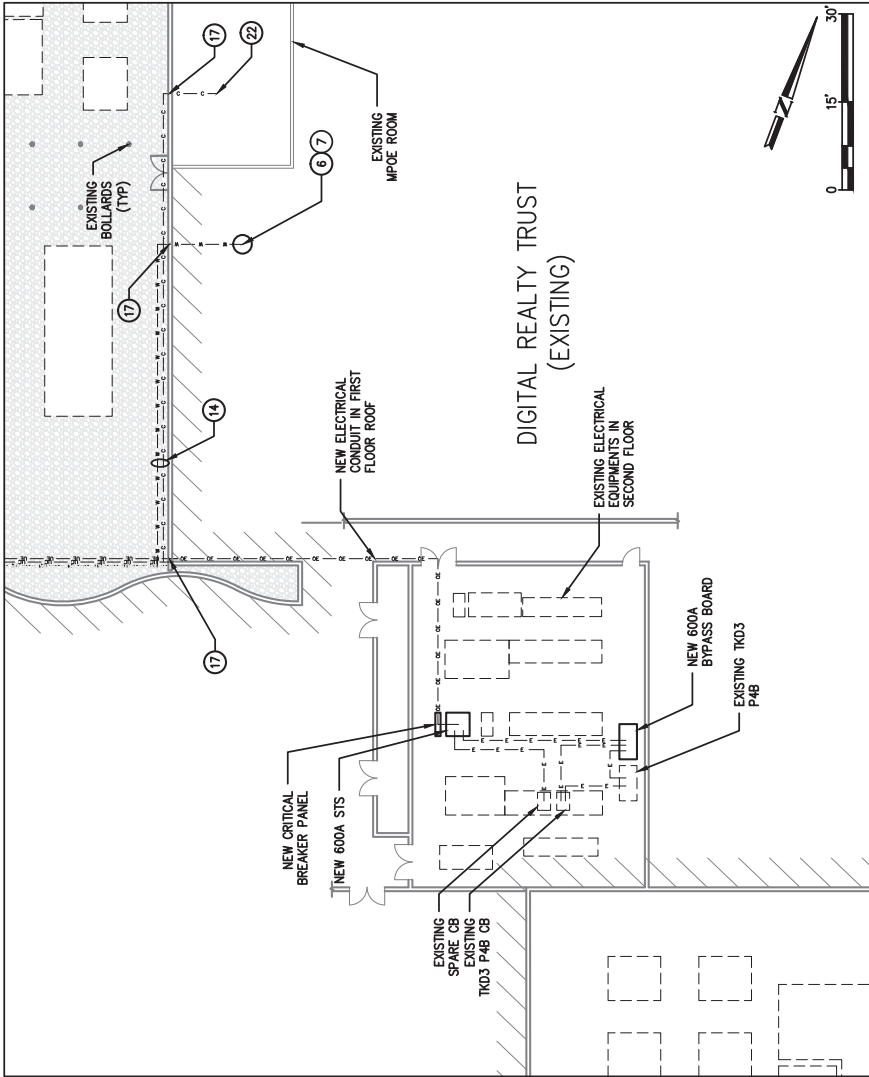


DETAILED SITE PLAN

SCALE: 1" = 10'

2

C1.1



DETAILED SITE PLAN

SCALE: 1" = 15'

3

C1.1