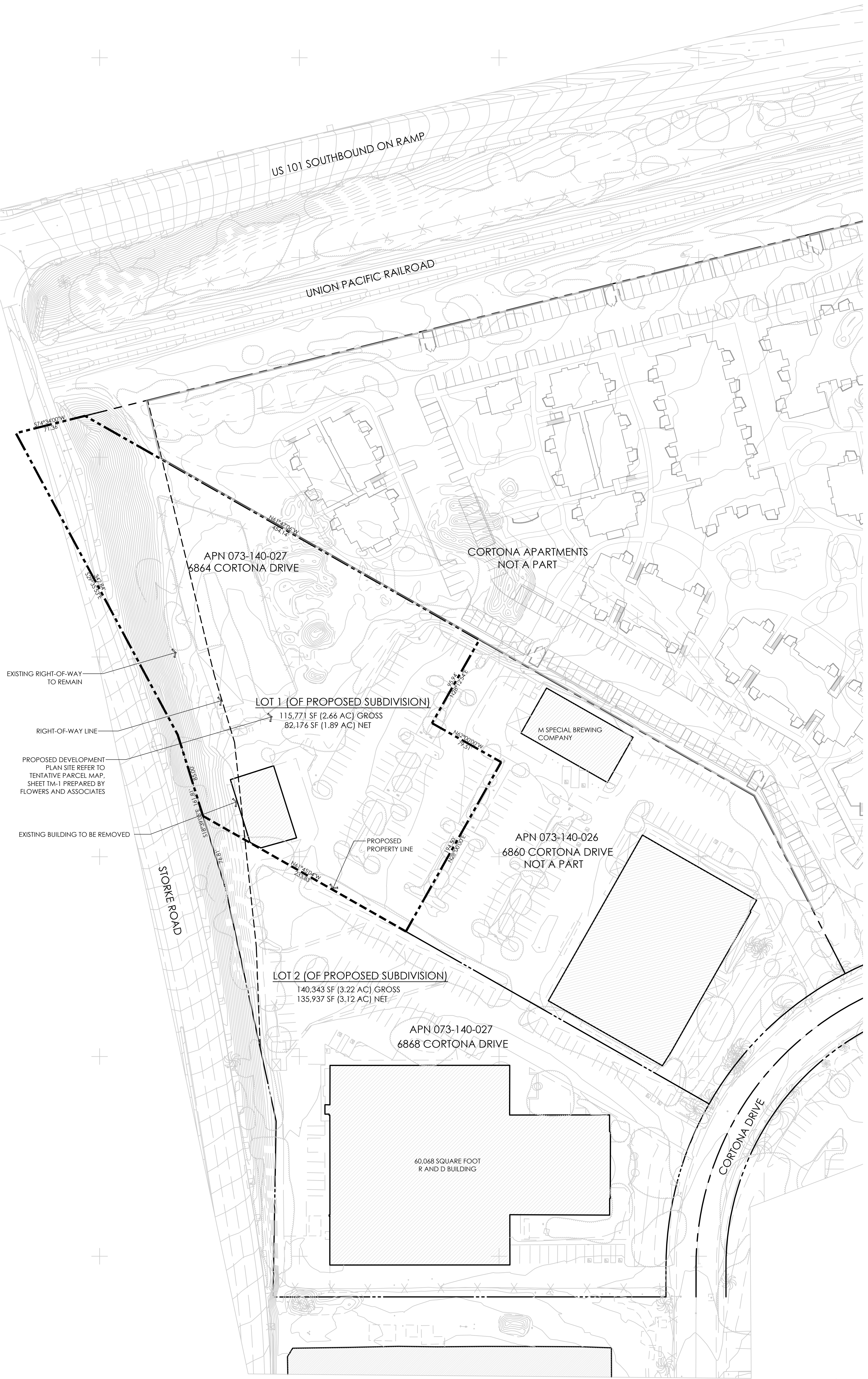
Attachment 1

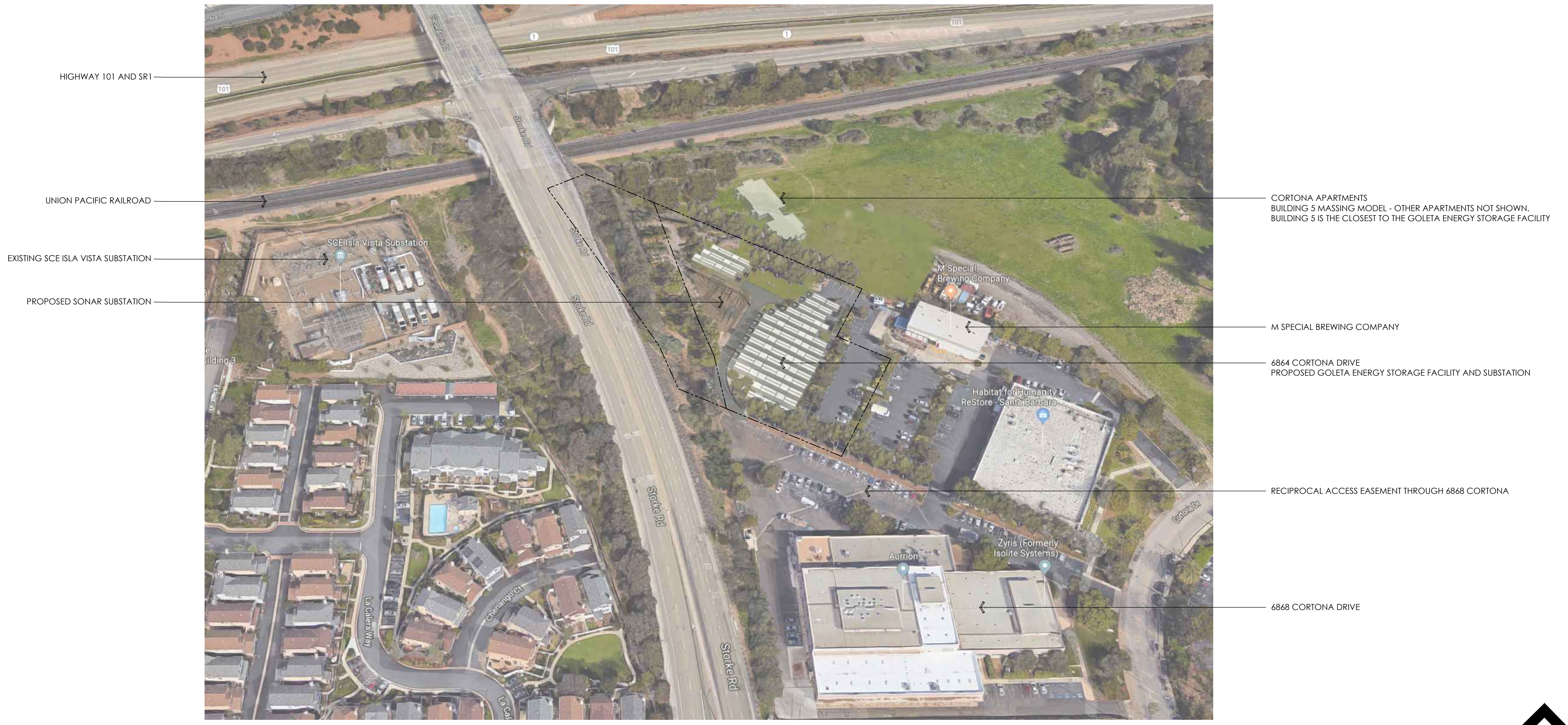
Goleta Energy Storage Facility and Tentative Parcel Map
6864 & 6868 Cortona Drive Goleta, California


US 101 SOUTHBOUND ON RAMP
UNION PACIFIC RAILROAD
APN 073-140-027
6864 CORTONA DRIVE
CORTONA APARTMENTS
NOT A PART
N61°47'06"W
454.14'
EXISTING RIGHT-OF-WAY
TO REMAIN
RIGHT-OF-WAY LINE
PROPOSED DEVELOPMENT
PLAN SITE REFER TO
TENTATIVE PARCEL MAP,
SHEET TM-1 PREPARED BY
FLOWERS AND ASSOCIATES
EXISTING BUILDING TO BE REMOVED
LOT 1 (OF PROPOSED SUBDIVISION)
115,771 SF (2.66 AC) GROSS
82,176 SF (1.89 AC) NET
M SPECIAL BREWING
COMPANY
95.94'
N28°12'54"E
N62°00'00"W
79.51'
PROPOSED
PROPERTY LINE
N61°45'04"W
233.83'
194.50'
N28°00'00"E
S18°39'05"E 161.81'
85.00'
78.81'
APN 073-140-026
6860 CORTONA DRIVE
NOT A PART
STORKE ROAD
LOT 2 (OF PROPOSED SUBDIVISION)
140,343 SF (3.22 AC) GROSS
135,937 SF (3.12 AC) NET
APN 073-140-027
6868 CORTONA DRIVE
60,068 SQUARE FOOT
R AND D BUILDING
CORTONA DRIVE

Existing Site / Vicinity Map

Scale: 1" = 60.0'

0
30
60
120
240
480
NORTH


HIGHWAY 101 AND SR1
UNION PACIFIC RAILROAD
EXISTING SCE ISLA VISTA SUBSTATION
PROPOSED SONAR SUBSTATION
CORTONA APARTMENTS
BUILDING 5 MASSING MODEL - OTHER APARTMENTS NOT SHOWN.
BUILDING 5 IS THE CLOSEST TO THE GOLETA ENERGY STORAGE FACILITY
M SPECIAL BREWING COMPANY
6864 CORTONA DRIVE
PROPOSED GOLETA ENERGY STORAGE FACILITY AND SUBSTATION
RECIPROCAL ACCESS EASEMENT THROUGH 6868 CORTONA
6868 CORTONA DRIVE

Aerial View

Scale: NOT TO SCALE

NORTH

GOLETA ENERGY STORAGE PROJECT DATA

SITE INFORMATION

PROJECT DESCRIPTION:	DEMOLISH EXISTING SHOP BUILDING, CONSTRUCT 60-MEGAWATT BATTERY STORAGE FACILITY AND ANCILLARY SUBSTATION WITH ASSOCIATED PARKING AND SITE IMPROVEMENTS.	
LOCATION:	6864 CORTONA DRIVE GOLETA, CALIFORNIA	
A.P.N.:	CURRENT APN: 073-140-027	
GENERAL PLAN DESIGNATION:	I-BP (BUSINESS PARK)	
ZONING:	BP (BUSINESS PARK)	
SIZE OF PROPOSED PARCEL:	115,771 SF (2.66 AC) GROSS - INCLUDES RIGHT OF WAY 82,176 SF (1.89 AC) NET	
PRESENT USE:	SHOP BUILDING / FENCED STORAGE / PARKING AREA	
ACCESS:	REFER TO TENTATIVE SUB DIVISION MAP FOR RECIPROCAL ACCESS EASEMENT	
SURROUNDING USES / ZONING:		
NORTH	UNDEVELOPED - FUTURE RESIDENTIAL RM (RESIDENTIAL - MEDIUM - DENSITY)	
SOUTH	RESEARCH AND DEVELOPMENT BP (BUSINESS PARK)	
EAST	M-SPECIAL BREWING COMPANY BP (BUSINESS PARK)	
WEST	STORKE ROAD	
PARKING REQUIRED FOR 6864:	MAJOR UTILITIES: AS DETERINED BY THE REVIEW AUTHORITY EMPLOYEES: UNMANNED FACILITY (1 VEHICLE OCCASIONAL MAINTENANCE INSPECTIONS) = 1 SPACE	
TOTAL PARKING REQUIRED:	(1) FULL SIZE SPACE	
TOTAL PARKING PROVIDED ON SITE:	(22) SPACES PROVIDED (1) SPACE ALLOCATED TO 6864 (21) SPACES DEDICATED TO 6868	
SETBACKS TO EQUIPMENT:	FRONT - PROJECT DOES NOT HAVE A FRONT YARD SETBACK	
	NORTH SIDE	10' SETBACK - 40'-0" PROVIDED (INTERIOR SIDE)
	WEST SIDE	10' SETBACK - VARIES (INTERIOR SIDE) (43'-9" MINIMUM PROVIDED)
	SOUTH SIDE	10' SETBACK - 16' PROVIDED (INTERIOR SIDE)
	EAST SIDE	22'-0"
STRUCTURE HEIGHT:	MAXIMUM HEIGHT ALLOWED:	35'-0"
	MEGAPACK HEIGHT PROPOSED:	8'-0"
	SUBSATION HEIGHT PROPOSED:	(VARIES) 20'-8" - 30'-0"

SITE COVERAGE	GROSS	NET
SITE AREA	115,771 SF	82,176 SF
EXISTING STRUCTURES	3,385 SF	3,385 SF
EXISTING IMPERVIOUS SURFACES (INCLUDES BUILDING)	37,160 SF (32%)	32,485 SF (40%)
EXISTING LANDSCAPE/OPEN SPACE	78,661 SF (68%)	49,691 (60%)
PROPOSED EQUIPMENT	15,568 SF	15,568 SF
PROPOSED SUBSTATION (IMPERVIOUS)	1,690 SF	1,690 SF
PROPOSED IMPERVIOUS SURFACES (INCLUDES EQUIPMENT AND SWITCHGEAR)	29,879 SF (26%)	25,204 SF (31%)
PROPOSED LANDSCAPE	66,375 SF (57%)	37,455 SF (46%)
OTHER PERVIOUS AREAS	19,517 SF (17%)	19,517 SF (23%)

CORTONA DRIVE TENTATIVE PARCEL MAP PROJECT DATA

SITE INFORMATION

PROJECT DESCRIPTION:	CREATE TWO LOTS - LOT 1 TO BE 6864 CORTONA DRIVE (SITE OF PROPOSED ENERGY STORAGE) LOT 2 TO BE 6868 CORTONA DRIVE (EXISTING INDUSTRIAL RESEARCH PARK BUILDING AND IMPROVEMNETS)	
LOCATION:	6868 CORTONA DRIVE GOLETA, CALIFORNIA	
A.P.N.:	CURRENT APN: 073-140-027	
GENERAL PLAN DESIGNATION:	I-BP (BUSINESS PARK)	
ZONING:	BP (BUSINESS PARK)	
SIZE OF EXISTING PARCEL:		256,114 SF (5.88 AC) GROSS 218,113 SF (5.01 AC) NET
SIZE OF PROPOSED PARCELS:	LOT 1:	115,771 SF (2.66 AC) GROSS 82,176 SF (1.89 AC) NET
	LOT 2:	140,343 SF (3.22 AC) GROSS 135,937 SF (3.12 AC) NET
PRESENT USE:	INDUSTRIAL R&D TECHNOLOGY	
ACCESS:	CORTONA DRIVE	
PARKING REQUIRED FOR 6868:	RESEARCH, DEVELOPMENT, AND TECHNOLOGY 60,068 SF @ 1/500 = 121 SPACES (121) FULL SIZE SPACES REQUIRED	
TOTAL PARKING PROVIDED:	(122) SPACES (101) SPACES ON 6868 (21) SPACES ON 6864 VIA PARKING AGREEMENT (122) TOTAL SPACES PROVIDED	

SITE COVERAGE	GROSS	NET
SITE AREA	140,343 SF	135,937 SF
EXISTING STRUCTURES	46,107 SF	46,107 SF
EXISTING IMPERIOUS SURFACES (INCLUDES BUILDING)	108,347 (77%)	108,250 (80%)
EXISTING LANDSCAPE/OPEN SPACE	31,996 (23%)	27,687 (20%)
PROPOSED STRUCTURES	46,107 SF	46,107 SF
PROPOSED IMPERVIOUS	108,364 SF (77%)	108,267 (80%)
PROPOSED LANDSCAPE/OPEN SPACE	31,979 (23%)	27,670 (20%)

Project Data / Sheet Index

PROPERTY OWNERS:	CORTONA INVESTORS, LLC C/O: DAKETTA PACIFIC, KIP BRADLEY AND SEP WOLF 3832 WEST BIDDISON STREET FORT WORTH, TEXAS 76109 805.681.0788 kip@dakettapacific.com sep@dakettapacific.com
PROJECT DEVELOPER:	ALTAGAS / GOLETA ENERGY STORAGE LLC 8614 WESTWOOD CENTER DRIVE, STE. 1800 VIENNA, VA 22182
ARCHITECT:	OMNI DESIGN GROUP INC. THOMAS G. REAY, ARCHITECT CALIFORNIA LICENSED ARCHITECT #C19442 711 TANK FARM RD., SUITE 100 SAN LUIS OBISPO, CALIFORNIA 93401 805.544.9700 treay@odgslo.com
PRINCIPAL ENGINEER:	UPSTREAM ENERGY SERVICES RYAN HULETT, P.E. 7650 GIRARD AVENUE, STE. 300 LA JOLLA, CA 92037 858.260.0149 RYAN@UPSTREAMCLEANENERGY.COM
CIVIL ENGINEER:	FLOWERS AND ASSOCIATES INC. ROBERT SCHMIDT, PE PRINCIPAL ENGINEER 231 NORTH CALLE CESAR CHAVEZ, SUITE 100 SANTA BARBARA, CALIFORNIA 93103 805.966.2224 raschmidt@flowerassoc.com
LANDSCAPE ARCHITECT:	EARTHFORM DESIGN SAM W. MAPHIS IV, ASLA LICENSE# 2703 1227 DE LA VINA STREET SANTA BARBARA, CALIFORNIA 93101 805.963.2006 sam@earthform.com
ELECTRICAL CONSULTANT:	ELECTRICAL CONSULTANTS, INC. TED W. PFISTERER 5030 CAMINO DE LA SIESTA, STE. 407 SAN DIEGO, CA 92108 619.398.9370 TED.PFISTERER@ECIUSA.COM
LAND USE CONSULTANT:	SUZANNE ELLEDGE PLANNING AND PERMITTING SERVICES, INC. LAUREL FISHER PEREZ, AICP PRINCIPAL PLANNER 1625 STATE STREET, SUITE 1 SANTA BARBARA, CALIFORNIA 93101 805.966.2758 laurel@sepps.com
ARCHEOLOGY:	DUDEK AND ASSOCIATES HEATHER McDANIEL McDEVITT, MA,RPA 621 CHAPALA STREET SANTA BARBARA, CALIFORNIA 93101 805.308.8525 dstone@dudek.com
TRANSPORTATION ENGINEER:	ASSOCIATED TRANSPORTATION ENGINEERS SCOTT A. SCHELL, AICP PRINCIPAL TRANSPORTATION PLANNER 100 NORTH HOPE AVENUE, SUITE 4 SANTA BARBARA, CALIFORNIA 93110 805.687.4418 Sschell@atesb.com
ACOUSTIC ENGINEER:	RINCON CONSULTANTS,INC. JENNIFER HADDOW, PHD 209 EAST VICTORIA STREET #B SANTA BARBARA, CALIFORNIA 93101 805.644.4455 X44 jhaddow@rinconconsultants
HAZARDOUS RISK ANALYSIS:	MRS ENVIRONMENTAL, INC. GREG CHITTICK 1306 SANTA BARBARA STREET SANTA BARBARA, CA 93101 805.289.3924 Greg.chittick@mrsenv.com
GEOTECHNICAL/SOILS:	EARTH SYSTEMS DOUG DUNHAM, GE, NO. 2586 2049 PREISKER LANE, SUITE E SANTA MARIA, CA 93454 805.928.2991 esp@earthsystems.com

Project Team

DP-A1.0	Cover Sheet
DP-A2.0	Proposed Site Plan
DP-A2.1	Substation Plan
DP-A3.0	Site Sections
DP-A4.0	Perspectives
DP-A4.1	Perspectives - 20 Years
DP-A4.2	Supplemental Perspectives
G-1	Civil Title Sheet
TM-1	Tentative Subdivision Map
C-1	Preliminary Grading Plan
C-2	Preliminary Grading Plan
C-3	Preliminary Sections
C-4	Preliminary Offsite Improvement Plan
C-5	Lot 2 Existing Conditions Plan
C-6	Storke Road Utility Plan
U-1	Preliminary Utility Plan
L-1	Tree Preservation Plan
L-2	Conceptual Landscape Plan
L-3	Hydrozone Plan
L-4	Schematic Irrigation Plan
E-1	Site Photometric Plan
E-2	Lighting Data Sheets

Sheet Index

ARCHITECTURE
CIVIL ENGINEERING
SURVEYING

711 TANK FARM ROAD, SUITE 100
SAN LUIS OBISPO
CALIFORNIA, 93401
PHONE: (805)544-9700
email: omni@odgslo.com

Consultant:

Developer:

AltaGas / Goleta Energy Storage LLC
8614 Westwood Center Drive, Suite 1800
Vienna, Virginia 22182

Development Plan / Tentative Parcel Map Drawings for:

Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:

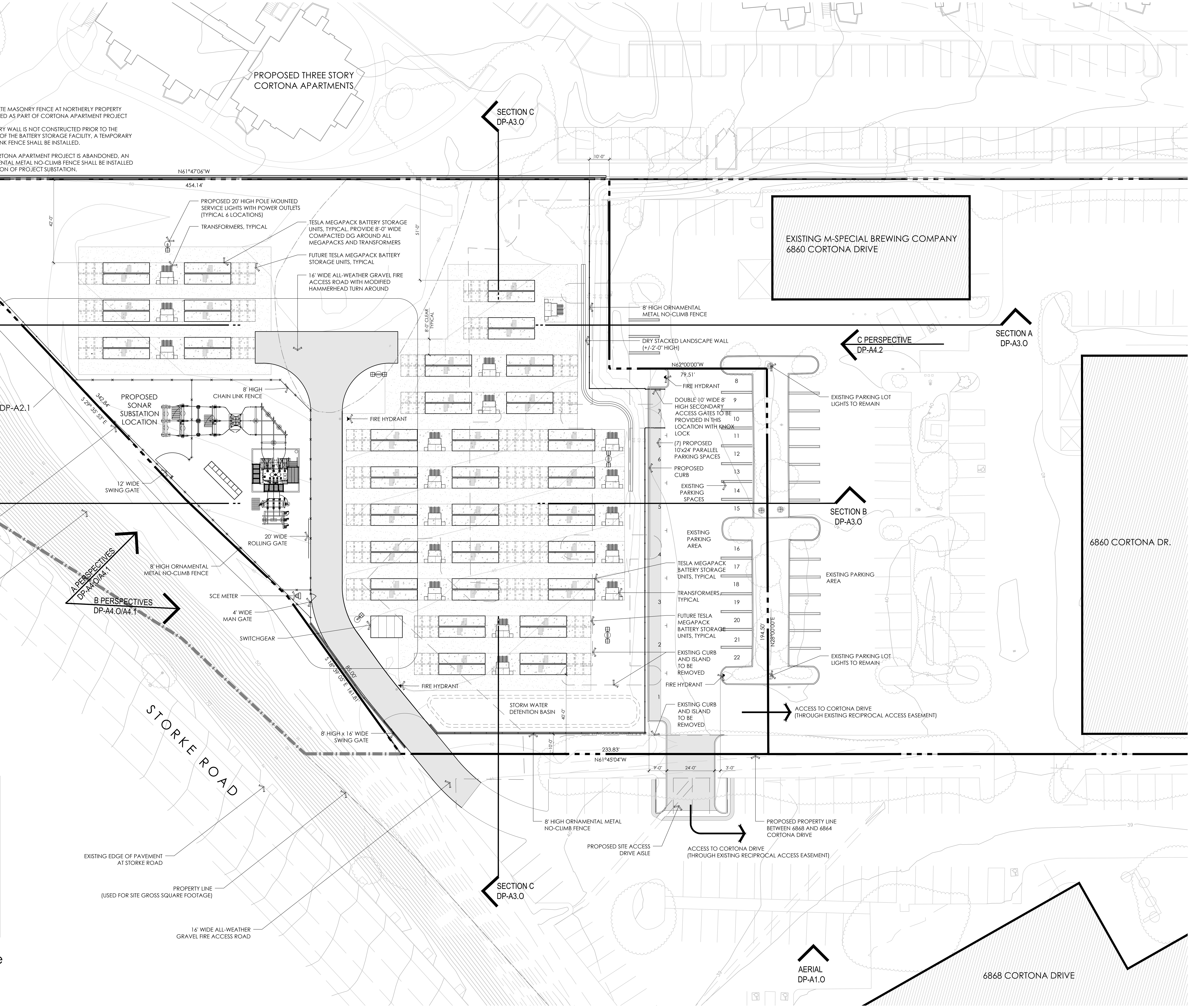
Cover Sheet

Date: January 22, 2021

Project Number: 1199-01-Tesla

Sheet Number:

DP- A1.0


PROPOSED THREE STORY CORTONA APARTMENTS
EXISTING RAILROAD TRACKS
EXISTING OVERPASS
6' HIGH CONCRETE MASONRY FENCE AT NORTHERLY PROPERTY LINE CONSTRUCTED AS PART OF CORTONA APARTMENT PROJECT
NOTE: IF MASONRY WALL IS NOT CONSTRUCTED PRIOR TO THE CONSTRUCTION OF THE BATTERY STORAGE FACILITY, A TEMPORARY 6' HIGH CHAIN LINK FENCE SHALL BE INSTALLED.
NOTE: IF THE CORTONA APARTMENT PROJECT IS ABANDONED, AN 8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE SHALL BE INSTALLED UPON COMPLETION OF PROJECT SUBSTATION.
SECTION C
DP-A3.O
N61°47'06"W
454.14'
10'-0"
D PERSPECTIVE
DP-A4.2
S74°34'00"W
71.36'
SB 101 ON RAMP
42'-0"
51'-0"
PROPOSED 20' HIGH POLE MOUNTED SERVICE LIGHTS WITH POWER OUTLETS (TYPICAL 6 LOCATIONS)
TRANSFORMERS, TYPICAL
TESLA MEGAPACK BATTERY STORAGE UNITS, TYPICAL. PROVIDE 8'-0" WIDE COMPACTED DG AROUND ALL MEGAPACKS AND TRANSFORMERS
FUTURE TESLA MEGAPACK BATTERY STORAGE UNITS, TYPICAL
16' WIDE ALL-WEATHER GRAVEL FIRE ACCESS ROAD WITH MODIFIED HAMMERHEAD TURN AROUND
EXISTING M-SPECIAL BREWING COMPANY
6860 CORTONA DRIVE
8'-0" CLEAR TYPICAL
8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE
DRY STACKED LANDSCAPE WALL (+/-2'-0" HIGH)
SECTION A
DP-A3.O
C PERSPECTIVE
DP-A4.2
SECTION A
DP-A3.O
N62°00'00"W
79.51'
FIRE HYDRANT
DOUBLE 10' WIDE 8' HIGH SECONDARY ACCESS GATES TO BE PROVIDED IN THIS LOCATION WITH KNOX LOCK
(7) PROPOSED 10'x24' PARALLEL PARKING SPACES
PROPOSED CURB
EXISTING PARKING SPACES
EXISTING PARKING LOT LIGHTS TO REMAIN
8' HIGH CHAIN LINK FENCE
PROPOSED SONAR SUBSTATION LOCATION
FIRE HYDRANT
REFER TO ENLARGED PLAN, DP-A2.1
342.84'
S 29° 35' 53" E
342.84'
S29°35'53"E
12' WIDE SWING GATE
SECTION B
DP-A3.O
SECTION B
DP-A3.O
6860 CORTONA DR.
20' WIDE ROLLING GATE
8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE
EXISTING PARKING AREA
TESLA MEGAPACK BATTERY STORAGE UNITS, TYPICAL
TRANSFORMERS, TYPICAL
FUTURE TESLA MEGAPACK BATTERY STORAGE UNITS, TYPICAL
EXISTING CURB AND ISLAND TO BE REMOVED
EXISTING PARKING AREA
EXISTING PARKING LOT LIGHTS TO REMAIN
194.50'
N28°00'00"E
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
A PERSPECTIVES
DP-A4.0/A4.1
B PERSPECTIVES
DP-A4.0/A4.1
EXISTING RIGHT-OF-WAY (USED FOR SITE NET SQUARE FOOTAGE)
EXISTING RIGHT OF WAY
SCE METER
4' WIDE MAN GATE
SWITCHGEAR
S 18° 39' 05" E 161.81'
85.00'
FIRE HYDRANT
FIRE HYDRANT
STORM WATER DETENTION BASIN
40'-0"
EXISTING CURB AND ISLAND TO BE REMOVED
ACCESS TO CORTONA DRIVE (THROUGH EXISTING RECIPROCAL ACCESS EASEMENT)
8' HIGH x 16' WIDE SWING GATE
10'-0"
233.83'
N61°45'04"W
9'-0"
24'-0"
3'-0"
STORKE ROAD
8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE
PROPOSED PROPERTY LINE BETWEEN 6868 AND 6864 CORTONA DRIVE
PROPOSED SITE ACCESS DRIVE AISLE
ACCESS TO CORTONA DRIVE (THROUGH EXISTING RECIPROCAL ACCESS EASEMENT)
EXISTING EDGE OF PAVEMENT AT STORKE ROAD
PROPERTY LINE (USED FOR SITE GROSS SQUARE FOOTAGE)
SECTION C
DP-A3.O
16' WIDE ALL-WEATHER GRAVEL FIRE ACCESS ROAD
AERIAL
DP-A1.0
6868 CORTONA DRIVE

Typical 8' High Ornamental Metal No-climb Fence

ARCHITECTURE
CIVIL ENGINEERING
SURVEYING

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DESIGN GROUP

Consultant:

Developer:

GOLETA
ENERGY STORAGE

AltaGas / Goleta Energy Storage LLC
8614 Westwood Center Drive, Suite 1800
Vienna, Virginia 22182

Development Plan / Tentative Parcel Map Drawings for:

Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:

Proposed Site Plan

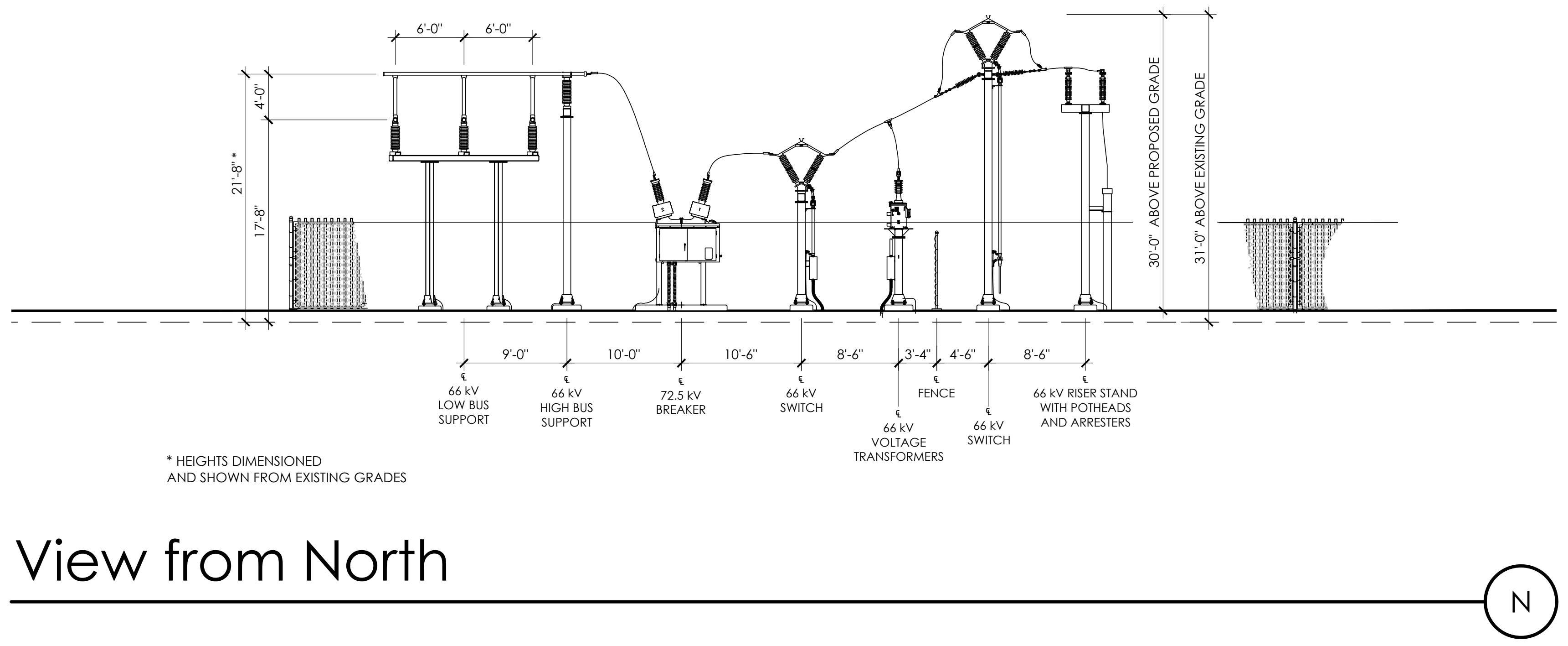
NORTH

Scale: 1" = 20'-0"

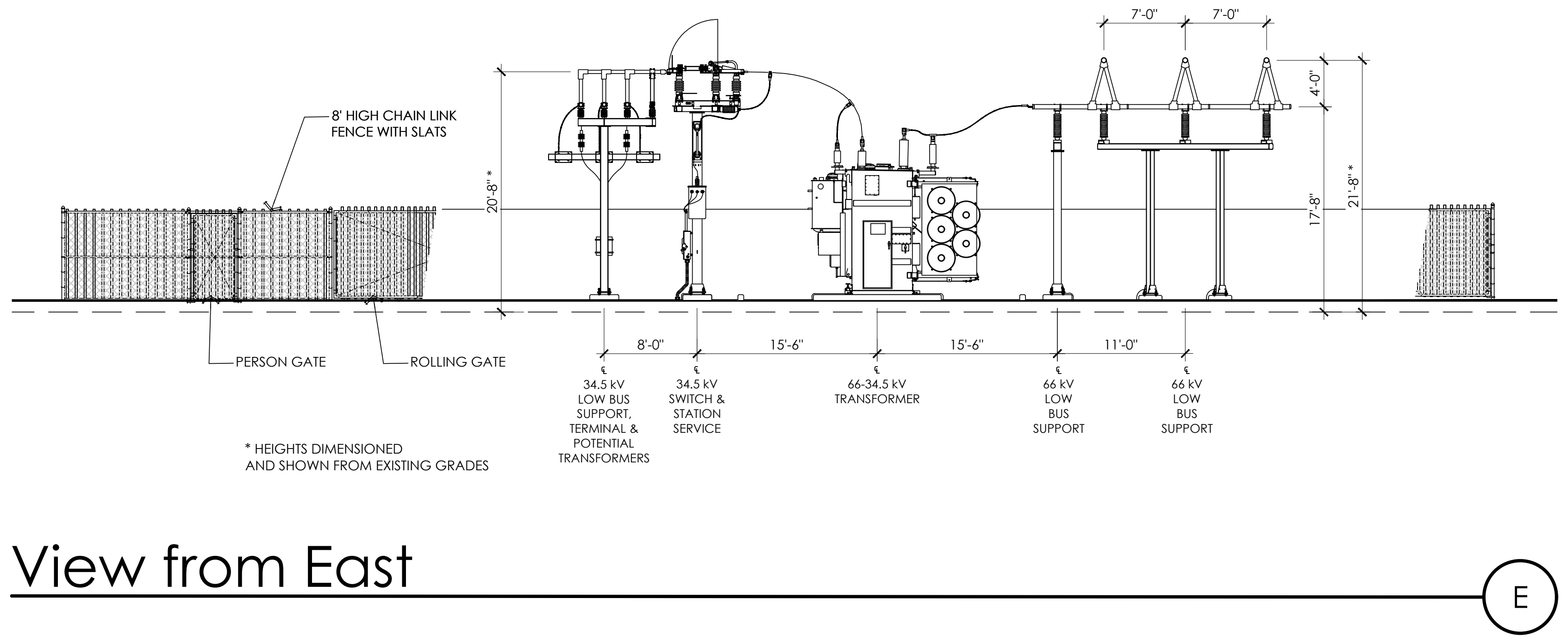
0 10 20 40 80 120

Date:	January 22, 2021
Project Number:	1199-01-Tesla
Sheet Number:	

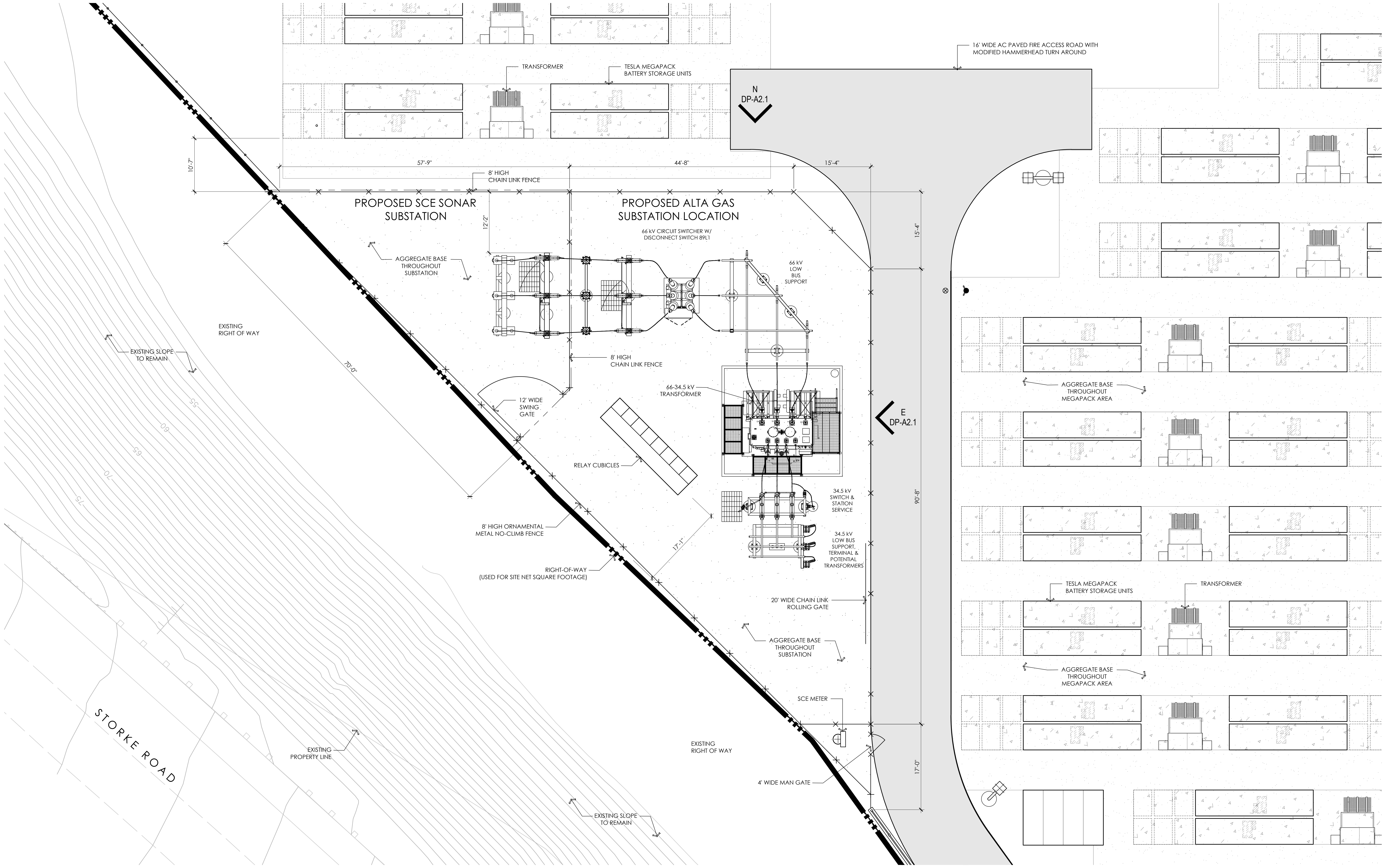
DP- A2.0


6'-0"
6'-0"
4'-0"
21'-8" *
17'-8"
30'-0" ABOVE PROPOSED GRADE
31'-0" ABOVE EXISTING GRADE
9'-0"
10'-0"
10'-6"
8'-6"
3'-4"
4'-6"
8'-6"
66 kV LOW BUS SUPPORT
66 kV HIGH BUS SUPPORT
72.5 kV BREAKER
66 kV SWITCH
66 kV VOLTAGE TRANSFORMERS
FENCE
66 kV SWITCH
66 kV RISER STAND WITH POTHEADS AND ARRESTERS
* HEIGHTS DIMENSIONED AND SHOWN FROM EXISTING GRADES
N

View from North


8' HIGH CHAIN LINK FENCE WITH SLATS
7'-0"
7'-0"
20'-8" *
4'-0"
17'-8"
21'-8" *
PERSON GATE
ROLLING GATE
8'-0"
15'-6"
15'-6"
11'-0"
34.5 kV LOW BUS SUPPORT, TERMINAL & POTENTIAL TRANSFORMERS
34.5 kV SWITCH & STATION SERVICE
66-34.5 kV TRANSFORMER
66 kV LOW BUS SUPPORT
66 kV LOW BUS SUPPORT
* HEIGHTS DIMENSIONED AND SHOWN FROM EXISTING GRADES
E

View from East


TRANSFORMER
TESLA MEGAPACK BATTERY STORAGE UNITS
16' WIDE AC PAVED FIRE ACCESS ROAD WITH MODIFIED HAMMERHEAD TURN AROUND
N
DP-A2.1
10'-7"
57'-9"
44'-8"
15'-4"
8' HIGH CHAIN LINK FENCE
PROPOSED SCE SONAR SUBSTATION
PROPOSED ALTA GAS SUBSTATION LOCATION
66 kV CIRCUIT SWITCHER W/ DISCONNECT SWITCH 89L1
12'-2"
AGGREGATE BASE THROUGHOUT SUBSTATION
66 kV LOW BUS SUPPORT
15'-4"
EXISTING RIGHT OF WAY
EXISTING SLOPE TO REMAIN
70'-0"
8' HIGH CHAIN LINK FENCE
66-34.5 kV TRANSFORMER
12' WIDE SWING GATE
RELAY CUBICLES
E
DP-A2.1
AGGREGATE BASE THROUGHOUT MEGAPACK AREA
55
60
65
70
75
34.5 kV SWITCH & STATION SERVICE
90'-8"
8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE
34.5 kV LOW BUS SUPPORT, TERMINAL & POTENTIAL TRANSFORMERS
17'-1"
RIGHT-OF-WAY (USED FOR SITE NET SQUARE FOOTAGE)
TESLA MEGAPACK BATTERY STORAGE UNITS
TRANSFORMER
20' WIDE CHAIN LINK ROLLING GATE
AGGREGATE BASE THROUGHOUT SUBSTATION
AGGREGATE BASE THROUGHOUT MEGAPACK AREA
SCE METER
STORKE ROAD
EXISTING PROPERTY LINE
EXISTING RIGHT OF WAY
4' WIDE MAN GATE
17'-0"
EXISTING SLOPE TO REMAIN

Substation Plan

ARCHITECTURE
CIVIL ENGINEERING
SURVEYING

711 TANK FARM ROAD, SUITE 100
SAN LUIS OBISPO
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PHONE: (805)544-9700
email: omni@odgslo.com

omni
DESIGN GROUP

Consultant:

"Engineering with Distinction"
ECI ELECTRICAL CONSULTANTS, INC.
BILLINGS, MONTANA

GOLETA
ENERGY STORAGE

Developer:

AltaGas / Goleta Energy Storage LLC
8614 Westwood Center Drive, Suite 1800
Vienna, Virginia 22182

Development Plan / Tentative Parcel Map Drawings for:

Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:

Substation Plan

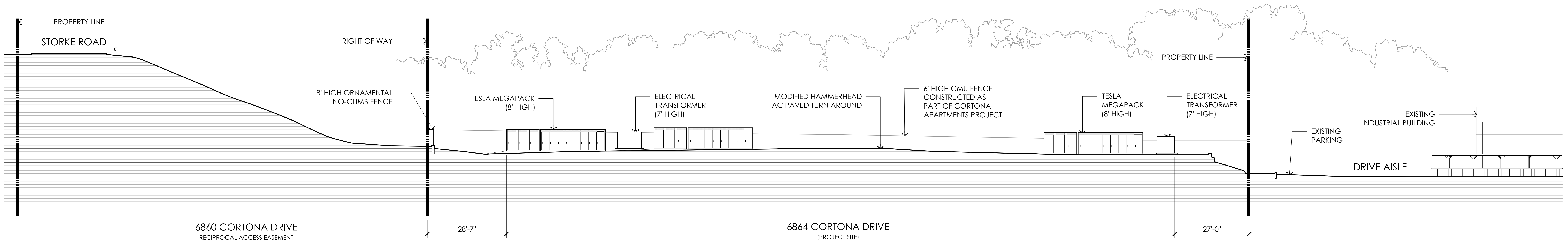
Scale: 1" = 10'-0"

0 10 20 40 80

NORTH

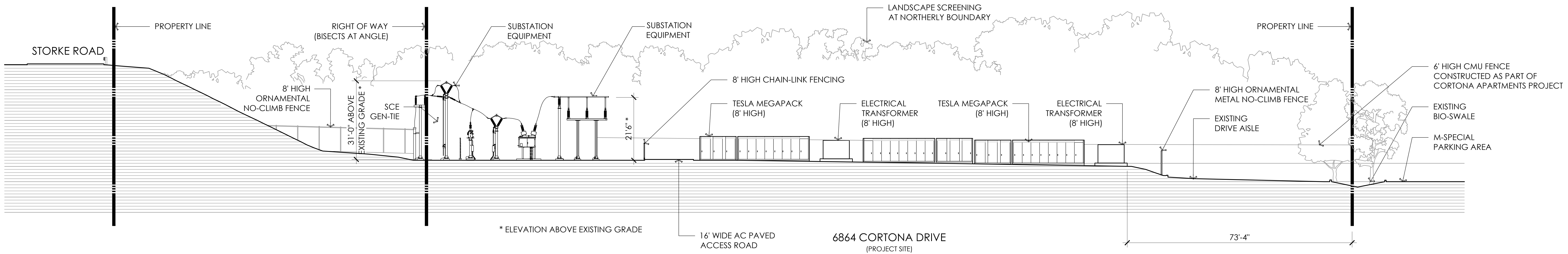
Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:

DP- A2.1


PROPERTY LINE
STORKE ROAD
RIGHT OF WAY
8' HIGH ORNAMENTAL NO-CLIMB FENCE
TESLA MEGAPACK (8' HIGH)
ELECTRICAL TRANSFORMER (7' HIGH)
MODIFIED HAMMERHEAD AC PAVED TURN AROUND
6' HIGH CMU FENCE CONSTRUCTED AS PART OF CORTONA APARTMENTS PROJECT
TESLA MEGAPACK (8' HIGH)
ELECTRICAL TRANSFORMER (7' HIGH)
PROPERTY LINE
EXISTING PARKING
EXISTING INDUSTRIAL BUILDING
DRIVE AISLE
6860 CORTONA DRIVE
RECIPROCAL ACCESS EASEMENT
28'-7"
6864 CORTONA DRIVE
(PROJECT SITE)
27'-0"

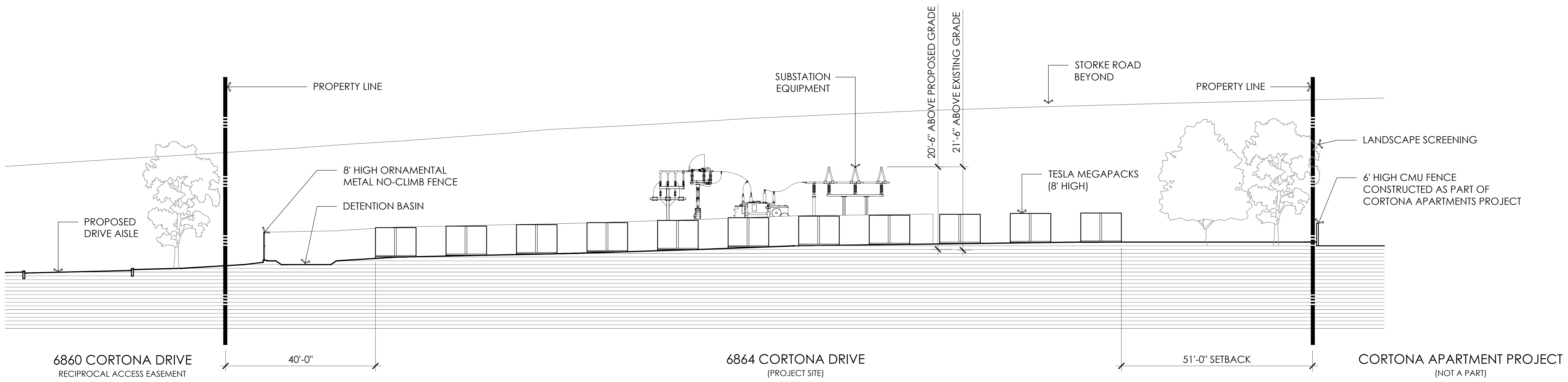
Site Section A

A


STORKE ROAD
PROPERTY LINE
RIGHT OF WAY (BISECTS AT ANGLE)
8' HIGH ORNAMENTAL NO-CLIMB FENCE
31'-0" ABOVE EXISTING GRADE *
SCE GEN-TIE
SUBSTATION EQUIPMENT
SUBSTATION EQUIPMENT
21'-6" *
LANDSCAPE SCREENING AT NORTHERLY BOUNDARY
8' HIGH CHAIN-LINK FENCING
TESLA MEGAPACK (8' HIGH)
ELECTRICAL TRANSFORMER (8' HIGH)
TESLA MEGAPACK (8' HIGH)
ELECTRICAL TRANSFORMER (8' HIGH)
8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE
EXISTING DRIVE AISLE
PROPERTY LINE
6' HIGH CMU FENCE CONSTRUCTED AS PART OF CORTONA APARTMENTS PROJECT
EXISTING BIO-SWALE
M-SPECIAL PARKING AREA
* ELEVATION ABOVE EXISTING GRADE
16' WIDE AC PAVED ACCESS ROAD
6864 CORTONA DRIVE
(PROJECT SITE)
73'-4"

Site Section B

B


PROPERTY LINE
20'-6" ABOVE PROPOSED GRADE
21'-6" ABOVE EXISTING GRADE
SUBSTATION EQUIPMENT
STORKE ROAD BEYOND
PROPERTY LINE
LANDSCAPE SCREENING
8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE
DETENTION BASIN
PROPOSED DRIVE AISLE
TESLA MEGAPACKS (8' HIGH)
6' HIGH CMU FENCE CONSTRUCTED AS PART OF CORTONA APARTMENTS PROJECT
6860 CORTONA DRIVE
RECIPROCAL ACCESS EASEMENT
40'-0"
6864 CORTONA DRIVE
(PROJECT SITE)
51'-0" SETBACK
CORTONA APARTMENT PROJECT
(NOT A PART)

Site Section C

C

omni
DESIGN GROUP
ARCHITECTURE
CIVIL ENGINEERING
SURVEYING

711 TANK FARM ROAD, SUITE 100
SAN LUIS OBISPO
CALIFORNIA, 93401
PHONE: (805)544-9700
email: omni@odgslo.com

Consultant:

GOLETA
ENERGY STORAGE

Developer:

AltaGas / Goleta Energy Storage LLC
8614 Westwood Center Drive, Suite 1800
Vienna, Virginia 22182

Development Plan / Tentative Parcel Map Drawings for:

Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:

Proposed Site Sections

Scale: 1" = 16'-0"

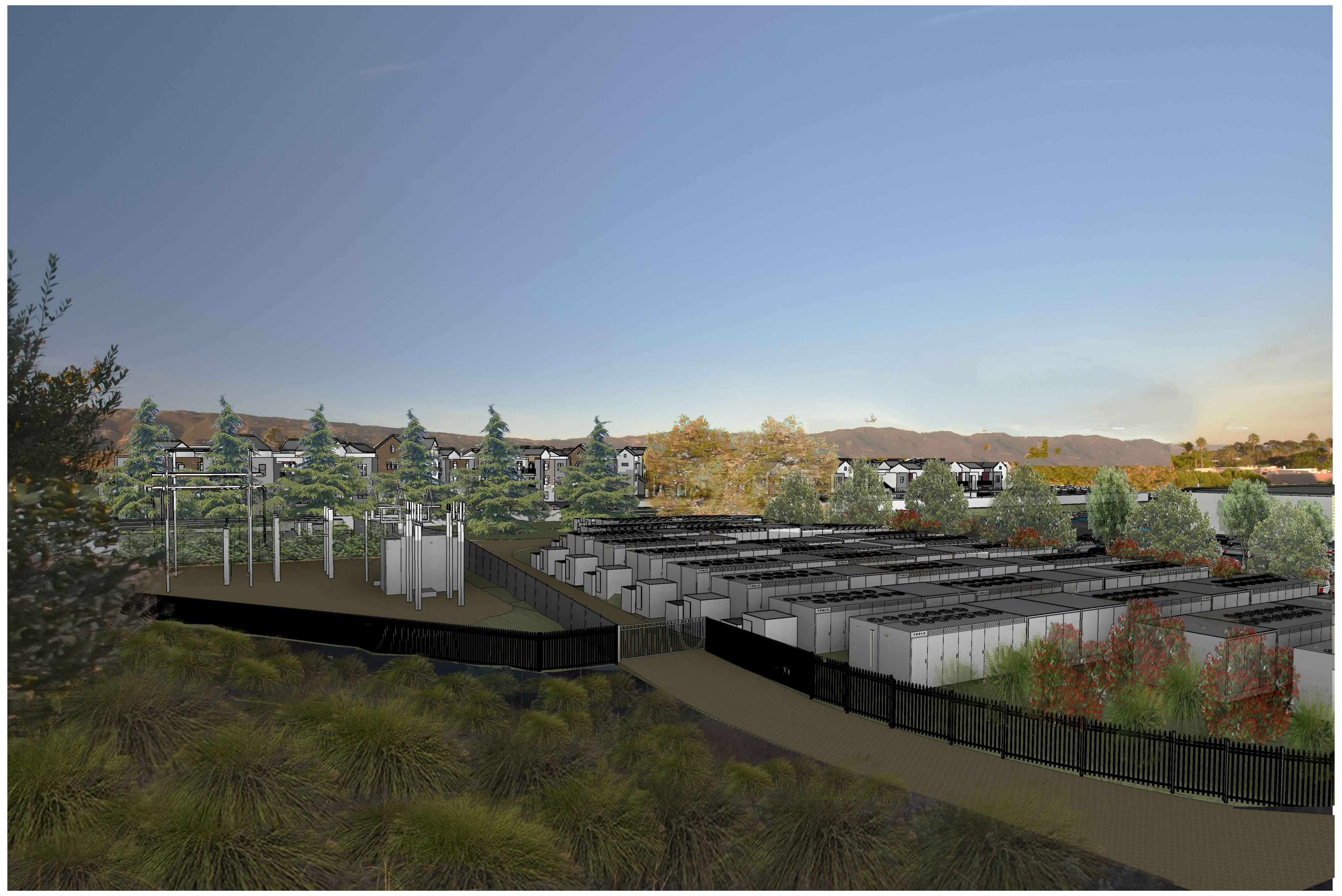
0 8 16 32 64 128

Date: January 22, 2021

Project Number: 1199-01-Tesla

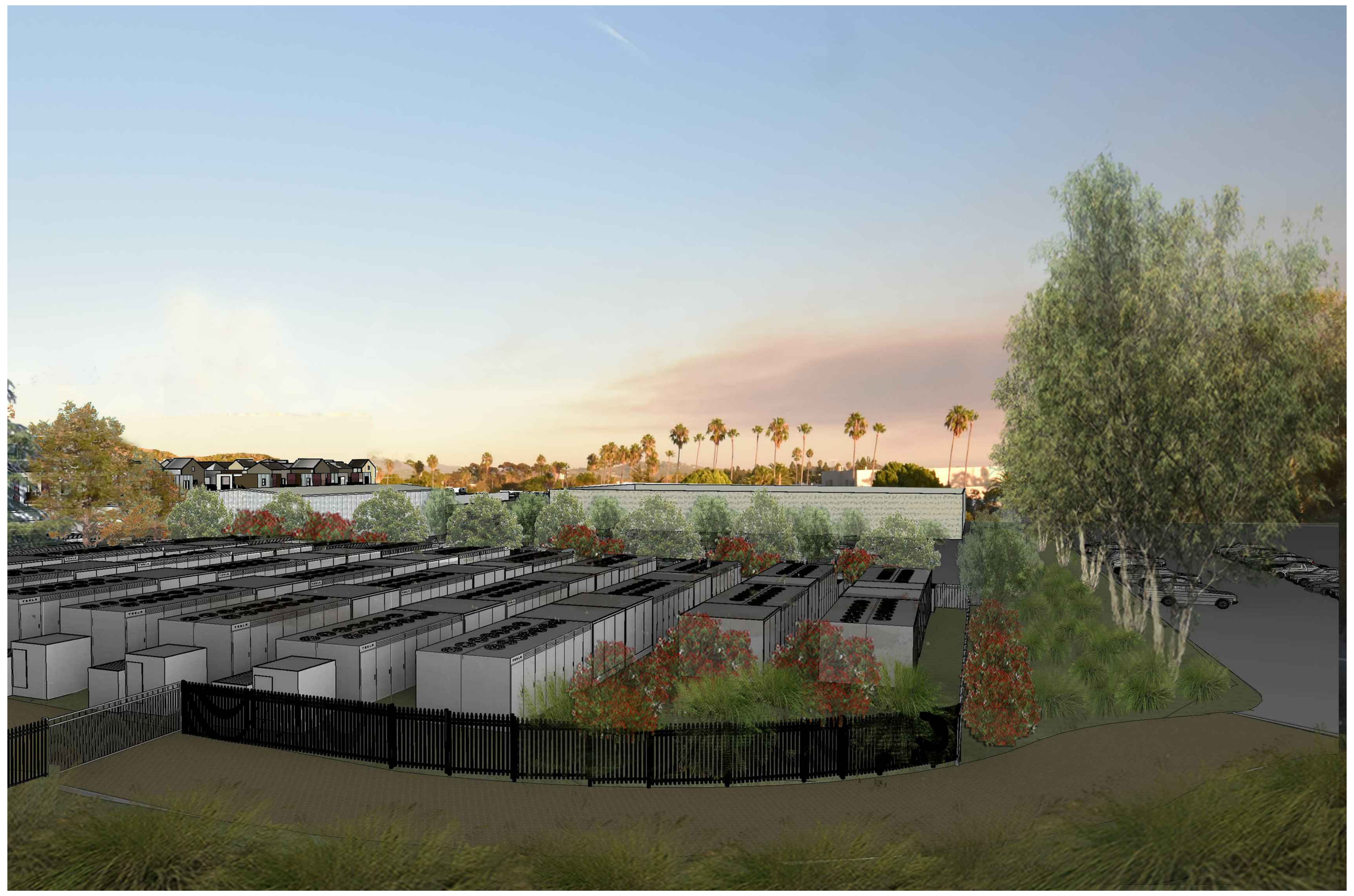
Sheet Number:

DP- A3.0



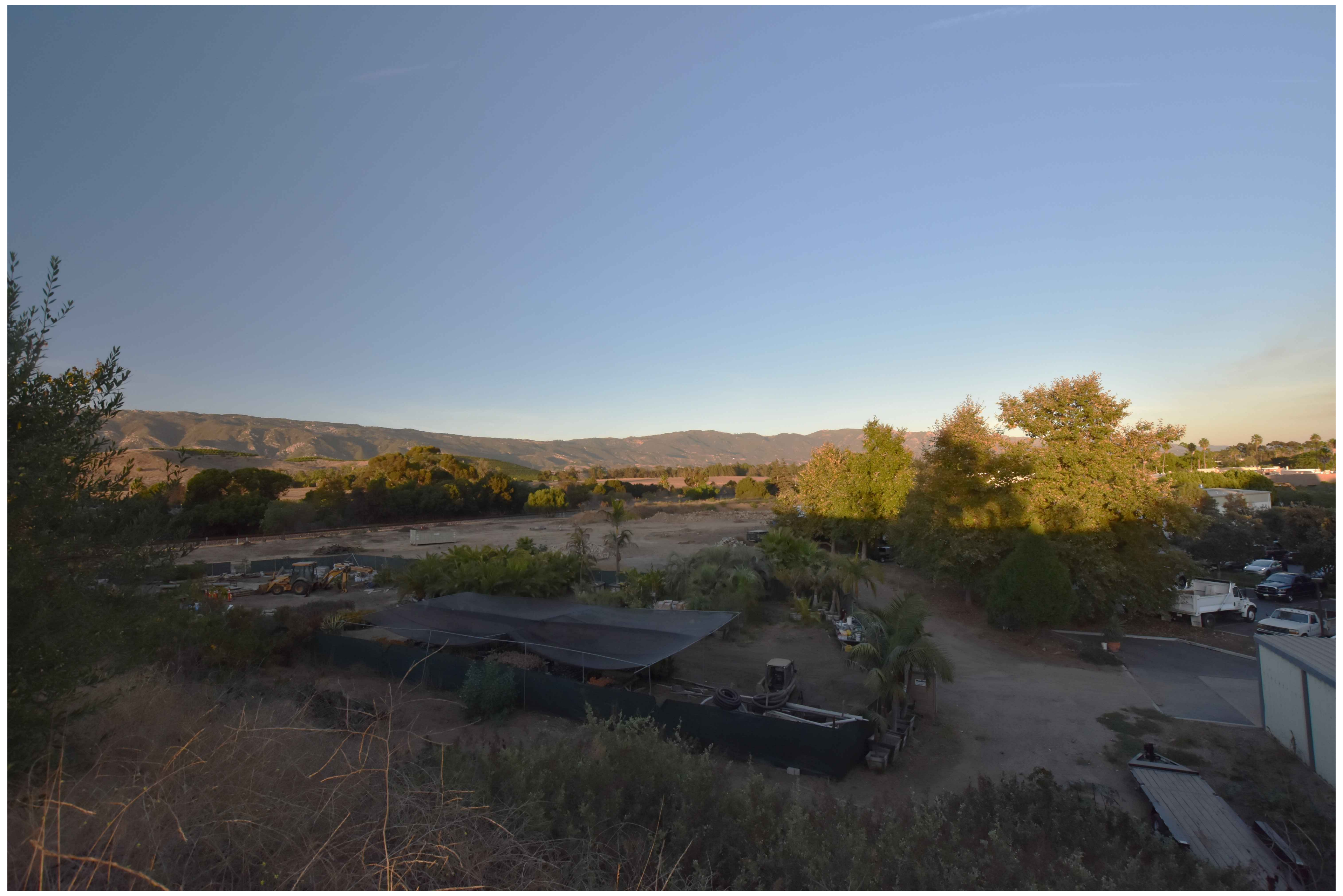
Future View Towards Apartments from Storke

A



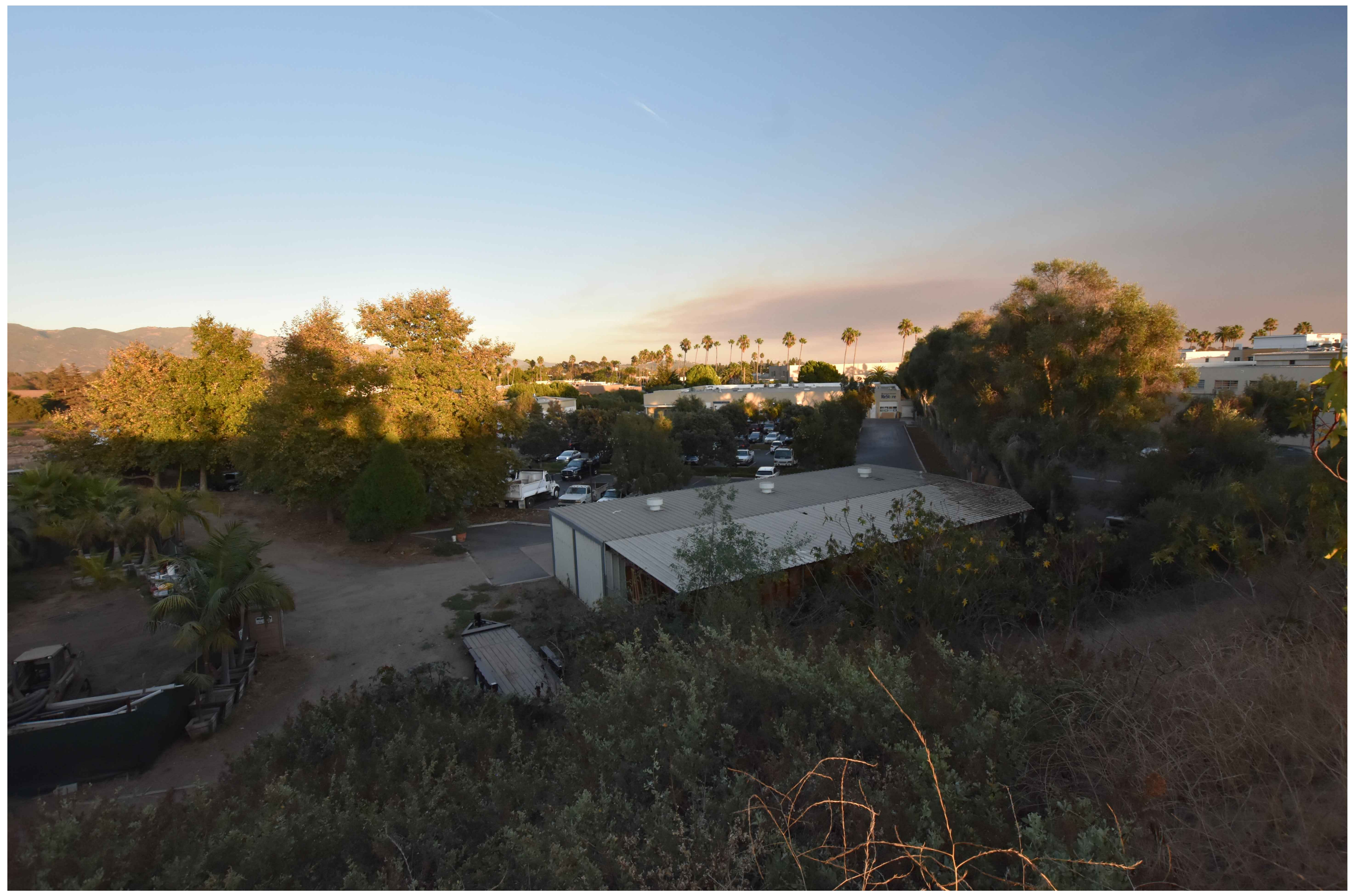
Future View Towards Cortona Drive from Storke

B



View Towards Apartments from Storke

A



View Towards Cortona Drive from Storke

B

ARCHITECTURE
CIVIL ENGINEERING
SURVEYING

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Development Plan / Tentative Parcel Map Drawings for:

Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

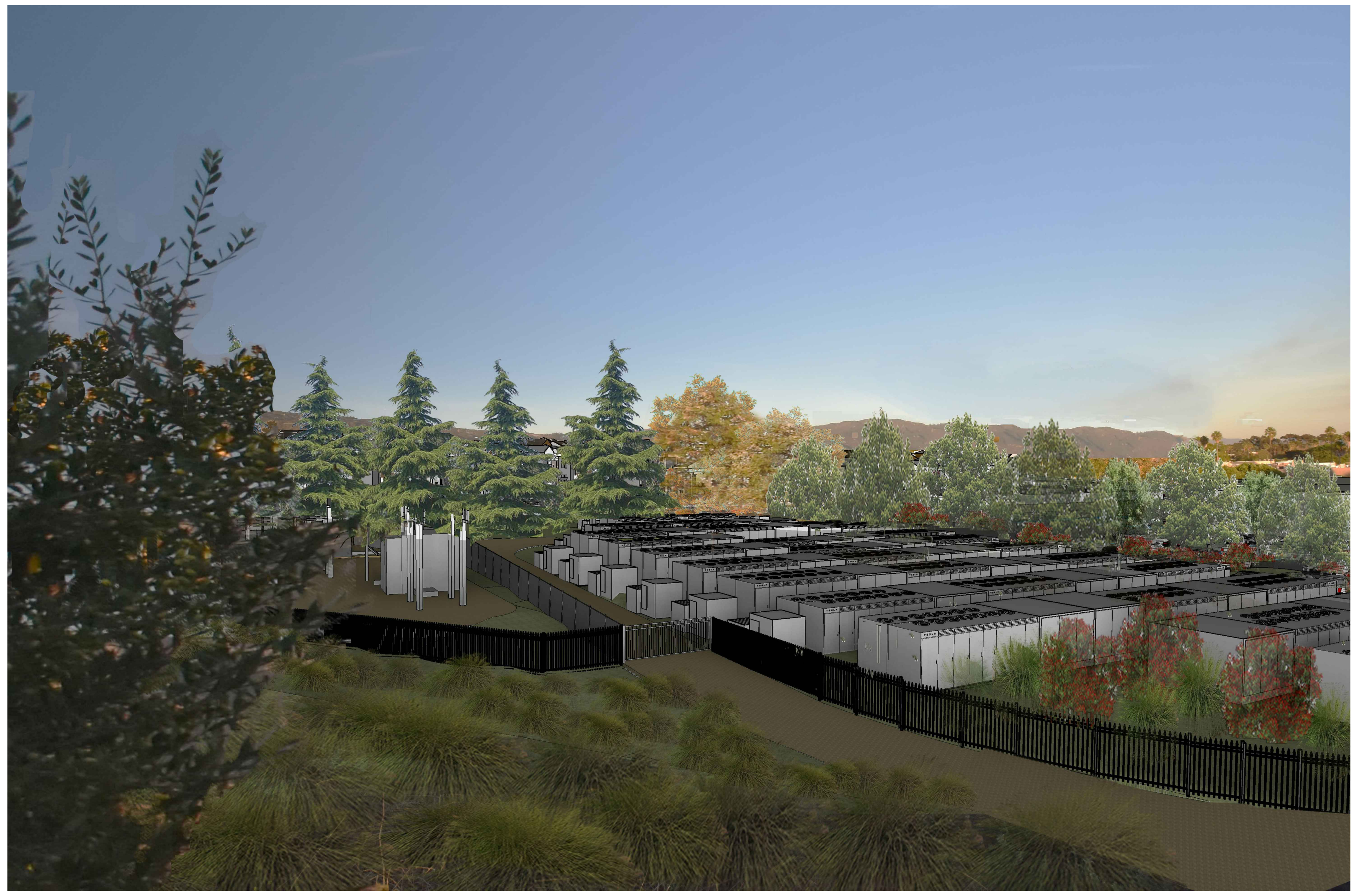
Sheet Title:

Perspectives

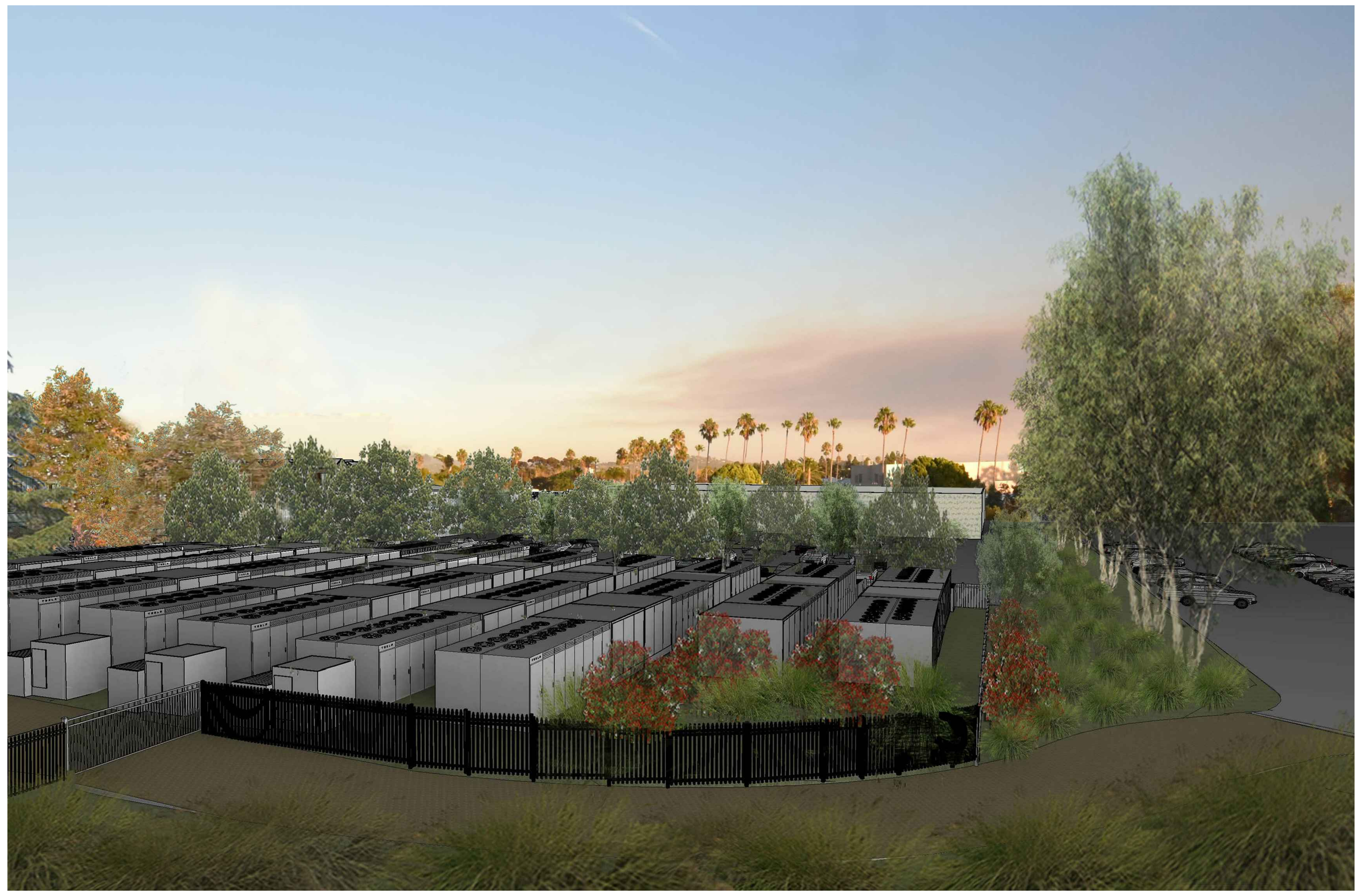
Not to Scale

Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:

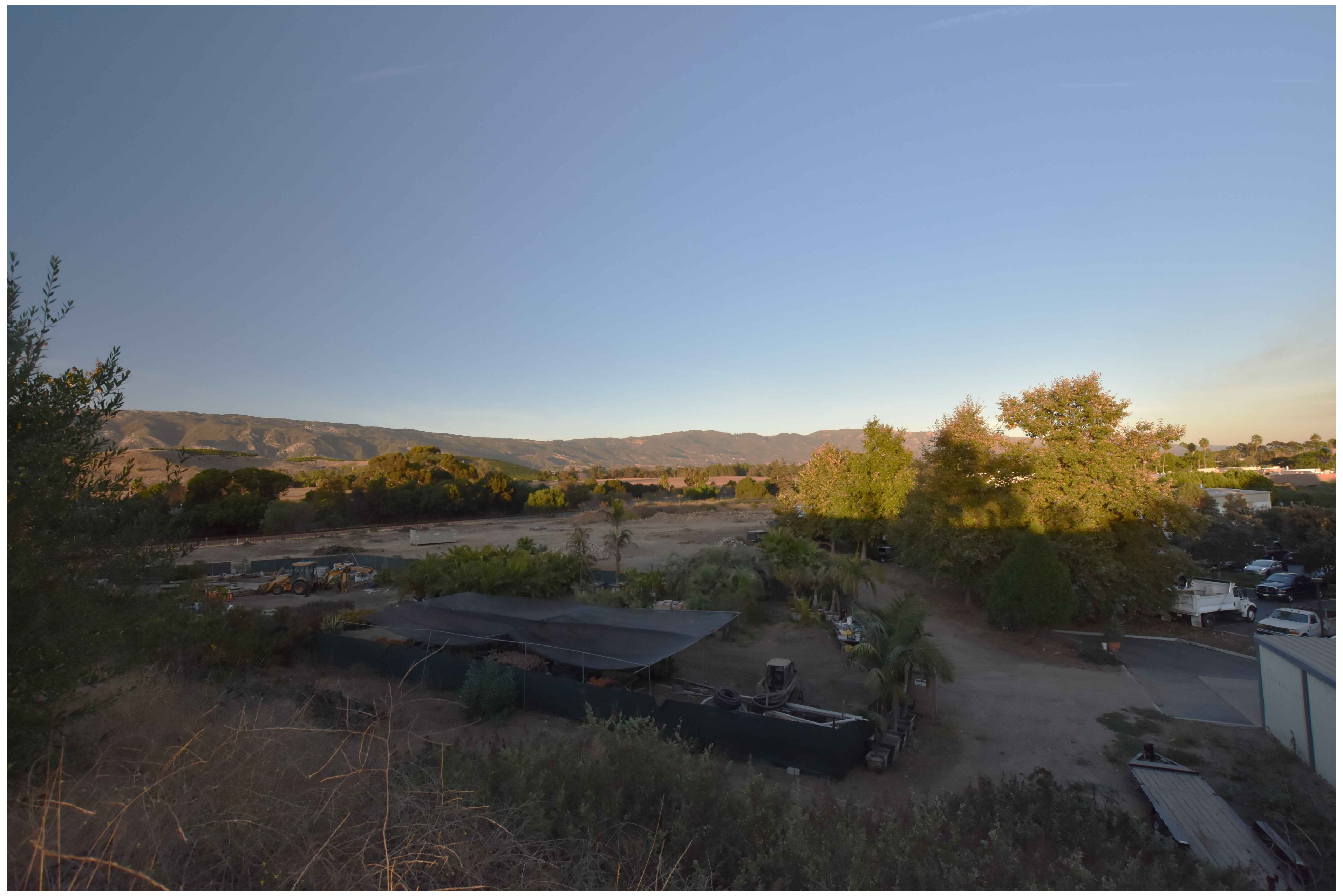
DP- A4.0



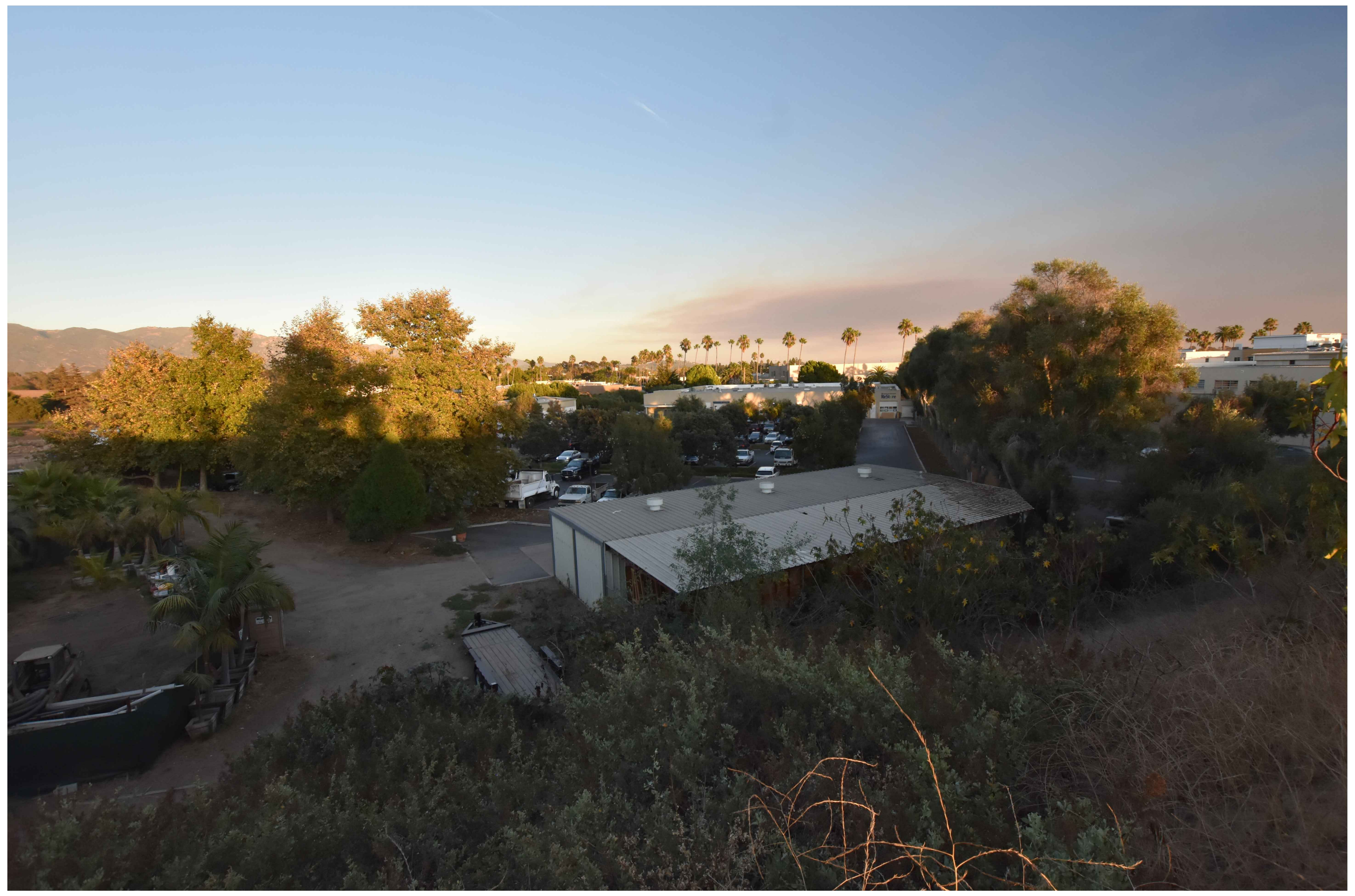
Future View Towards Apartments from Storke - 20 Years (A)



Future View Towards Cortona Drive from Storke - 20 Years (B)



View Towards Apartments from Storke (A)



View Towards Cortona Drive from Storke (B)

ARCHITECTURE
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Development Plan / Tentative Parcel Map Drawings for:

Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

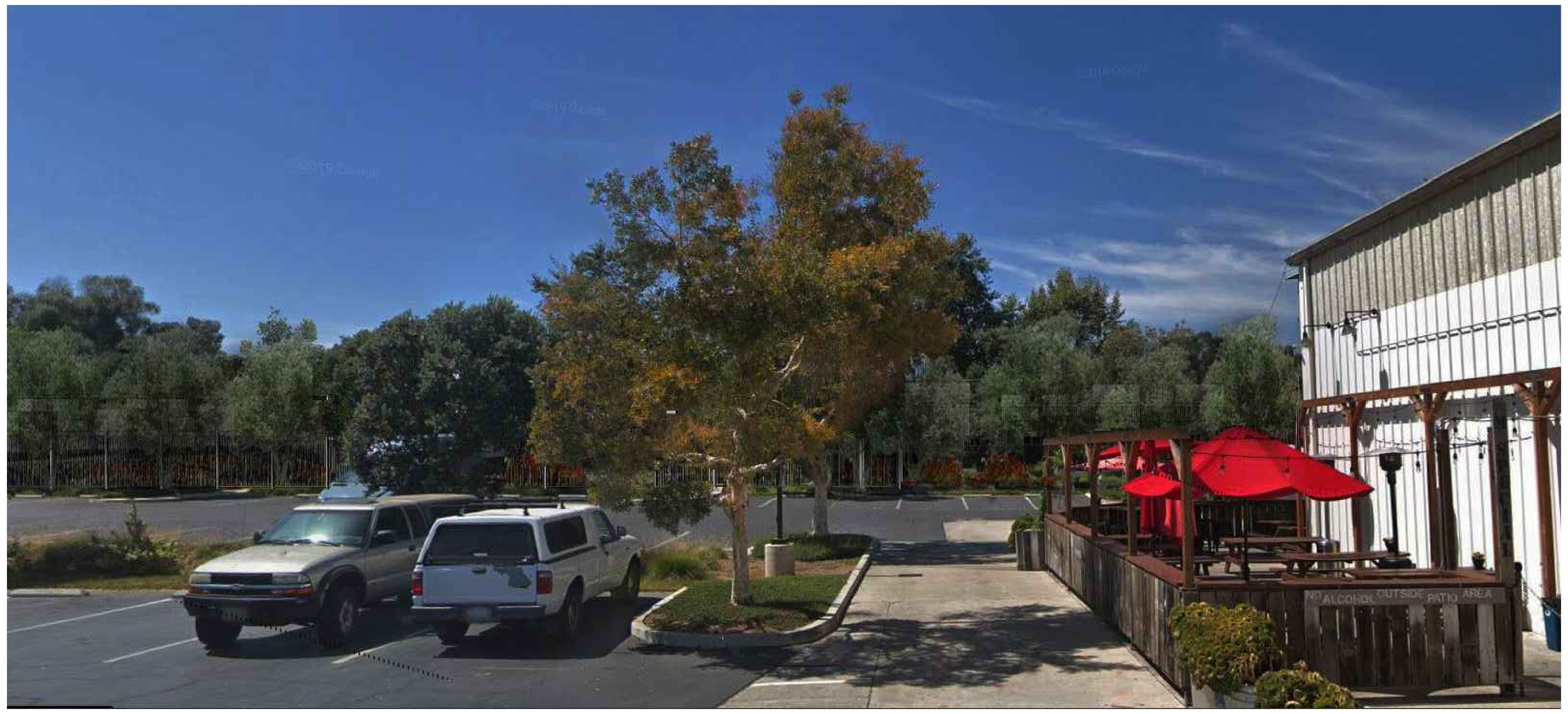
Sheet Title:

Perspectives - 20 Years

Not to Scale

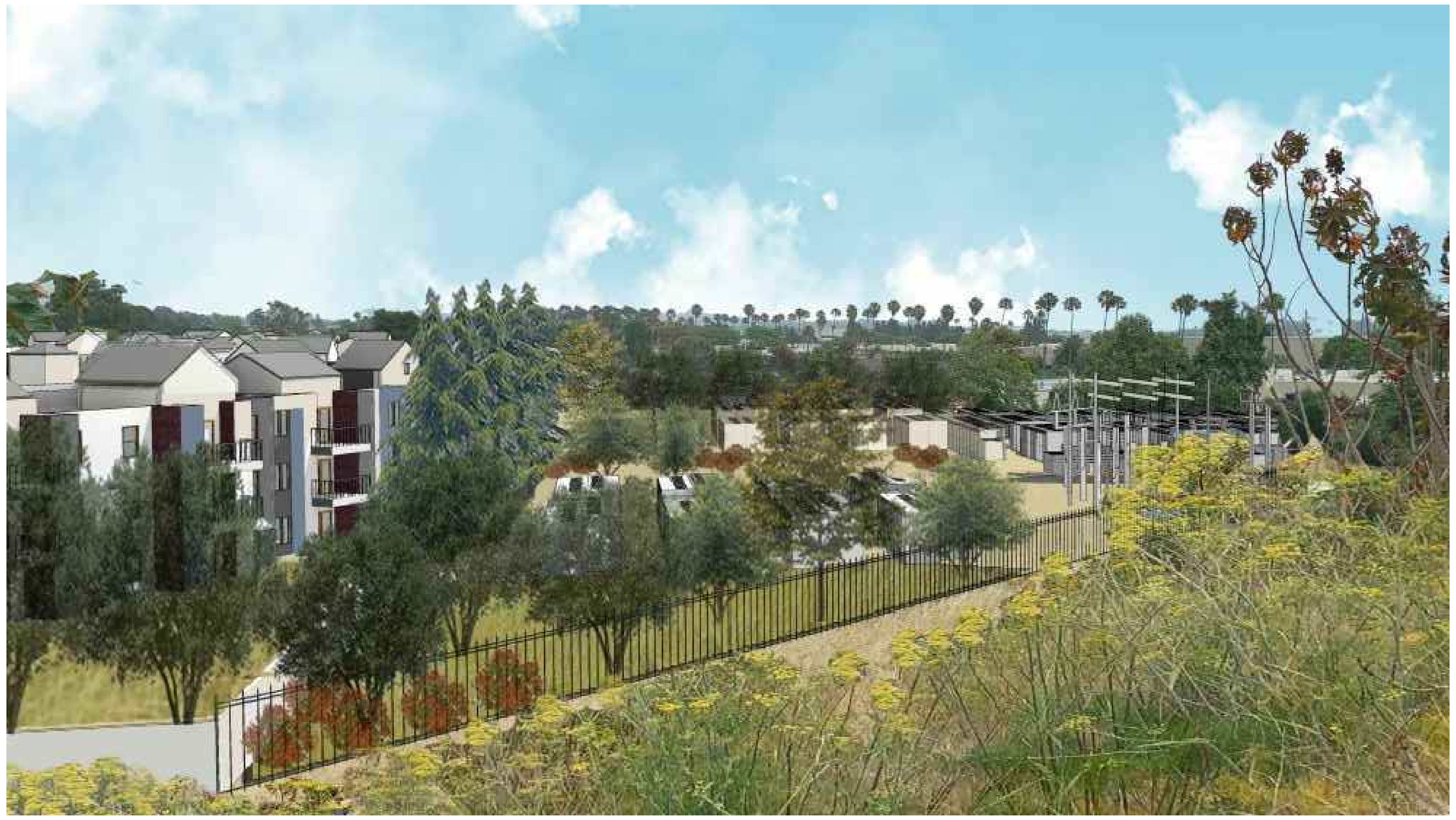
Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:

DP- A4.1



View from M Special Brewing Company Towards Battery Site

C



View from Top of Storke Road Towards Apartments and Battery Site

D

ARCHITECTURE
CIVIL ENGINEERING
SURVEYING

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Development Plan / Tentative Parcel Map Drawings for:

Goleta Energy Storage
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Goleta, California 93117

Sheet Title:

Supplemental Perspectives

Not to Scale

Date: January 22, 2021

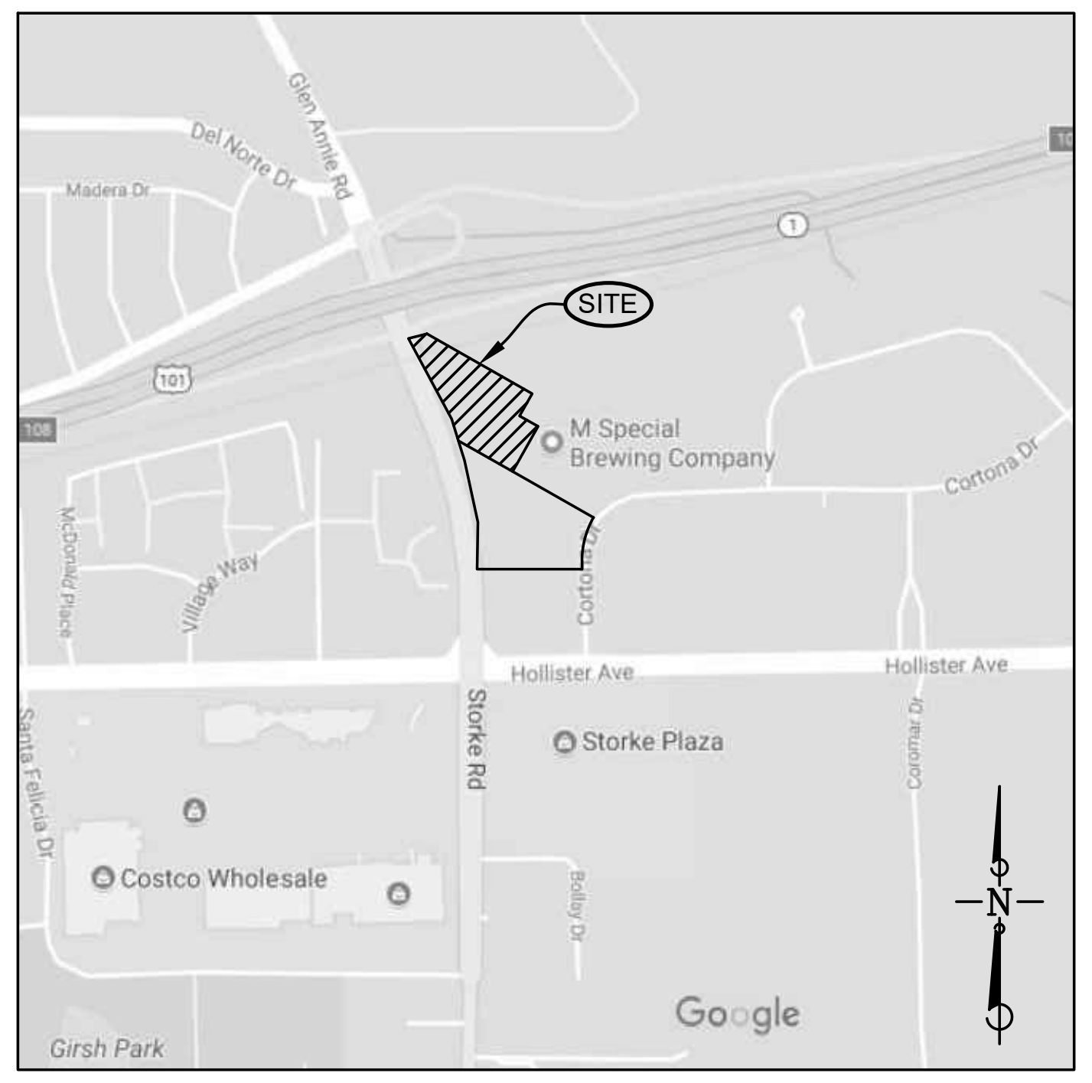
Project Number: 1199-01-Tesla

Sheet Number:

DP- A4.2

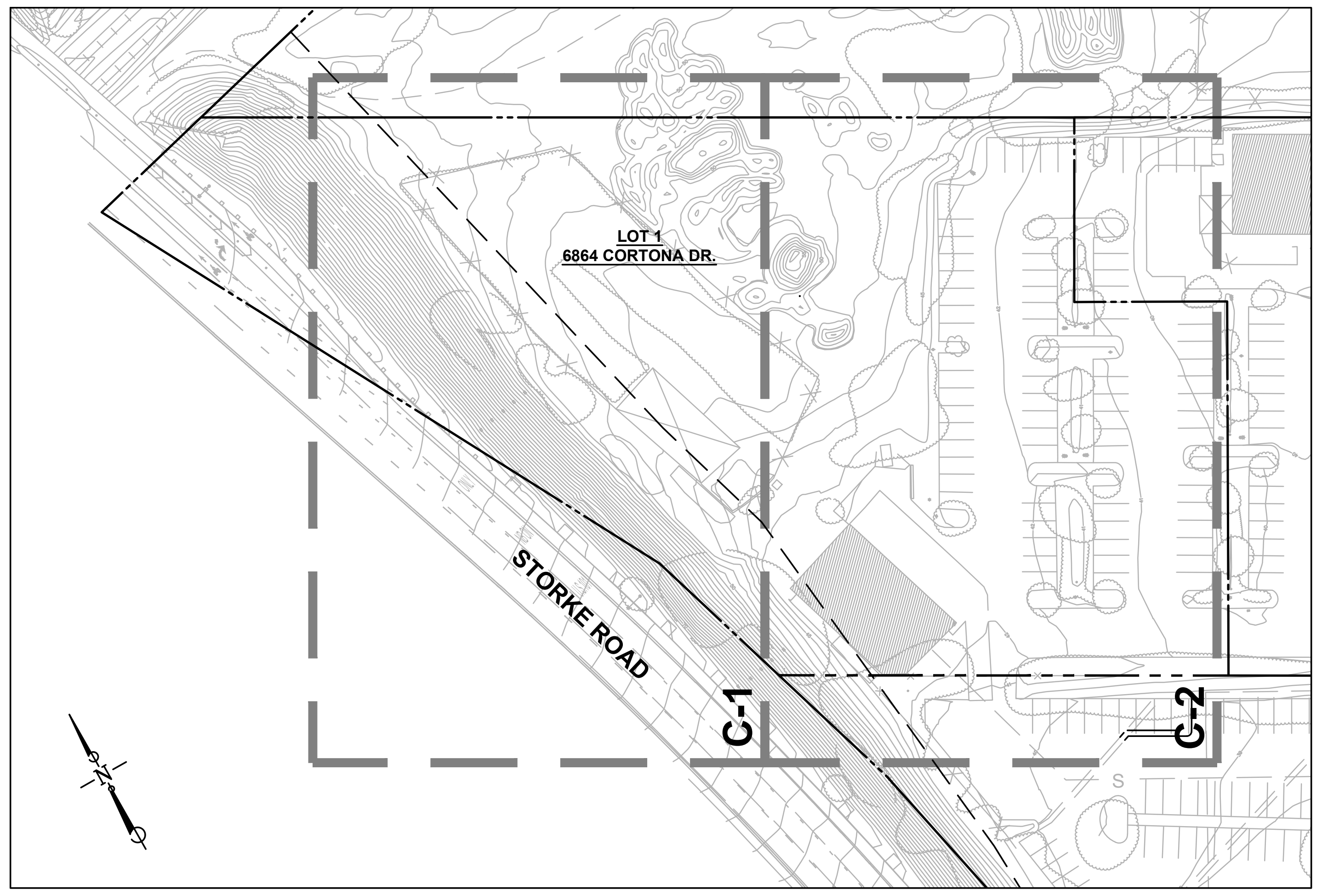
6864 & 6868 CORTONA DRIVE

CITY OF GOLETA, CALIFORNIA



VICINITY MAP

NOT TO SCALE



KEY MAP

NOT TO SCALE

LIST OF SYMBOLS:

AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
AB	AGGREGATE BASE
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BD	BASEMENT DRAIN
BFV	BUTTERFLY VALVE
BM	BENCHMARK
BV	BALL VALVE
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
CIP	CAST IRON PIPE
CJ	CRACK CONTROL JOINT
CL	CLASS
℄ OR C/L	CENTERLINE
CMP	CORRUGATED METAL PIPE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CTV	CABLE TELEVISION
DIP	DUCTILE IRON PIPE
D	DRAIN
E	ELECTRICAL
DI	DROP INLET
EC	END CURVE
ECR	END CURB RETURN
EG	EXISTING GRADE
EJ	EXPANSION JOINT
EL	ELEVATION
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EW	EACH WAY
EX	EXISTING
FD	FLOOR DRAIN
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL OR FL	FLOWLINE
FLG	FLANGE
FS	FINISH SURFACE
G	GAS
GB	GRADE BREAK
GM	GAS METER
GSP	GALVANIZED STEEL PIPE
GSV	GAS VALVE
GV	GATE VALVE
HB	HOSE BIB
HP	HIGH POINT
INV	INVERT
L	CURVE LENGTH
LF	LINEAL FEET
MH	MANHOLE
MJ	MECHANICAL JOINT
NIC	NOT INCLUDED IN CONTRACT
OC	ON CENTER
OCEW	ON CENTER EACH WAY
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION (OF CURVE TANGENTS)
PL OR P/L	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PVC	POLY-VINYL CHLORIDE
PV	PLUG VALVE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RG	RETAINING GLAND
RSJ	ROUGH SURFACE JOINT
R/W	RIGHT-OF-WAY
S	SEWER
SD	STORM DRAIN
SL	STREET LIGHT
ST STL	STAINLESS STEEL
STA	STATION
STD DTL	STANDARD DETAIL
T	TELEPHONE
T BLK	THRUST BLOCK
TB	TOP OF BERM
TC	TOP OF CURB
TCN	TOP OF CONCRETE
TD	TOP OF DIKE
TF	TOP OF FOOTING
TG	TOP OF GRATE
TI	TRAFFIC INDEX
TL	TRAFFIC LIGHT
TP	TOP OF PAVEMENT
TYP	TYPICAL
TW	TOP OF WALL
VCP	VITRIFIED CLAY PIPE
VPI	VERTICAL POINT OF INTERSECTION (OF VERTICAL CURVE TANGENTS)
W	WATER
W/	WITH
WD	WALL DRAIN
WM	WATER METER
WV	WATER VALVE
△	DELTA (CURVE CENTRAL ANGLE)
±	APPROXIMATELY
%	PERCENT
<	LESS THAN
>	GREATER THAN

ESTIMATED EARTHWORK QUANTITIES:

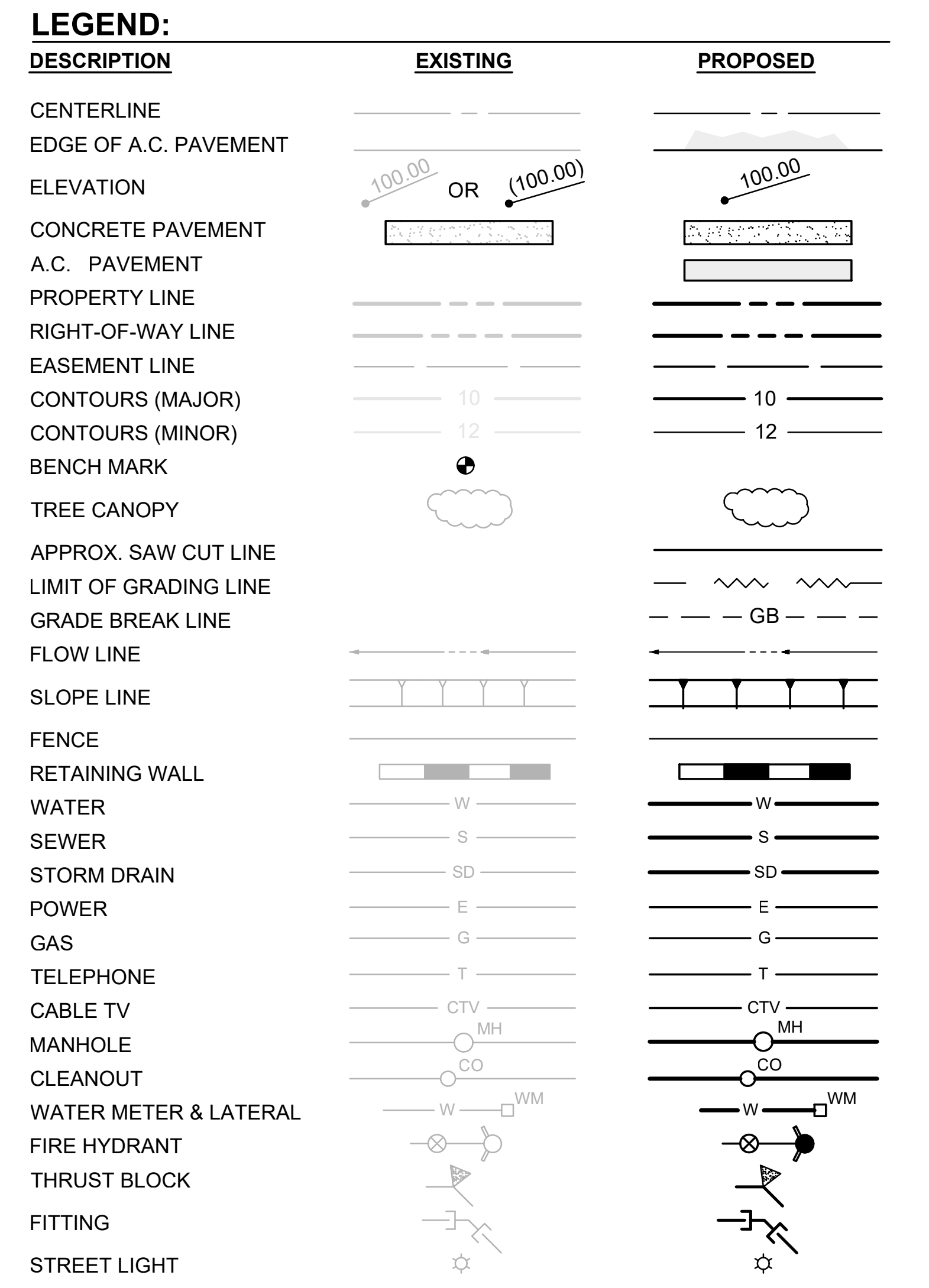
CUT: 800 CUBIC YARDS

FILL: 4,000 CUBIC YARDS

NOTE: SHRINKAGE, CONSOLIDATION AND SUBSIDENCE FACTORS AND LOSSES DUE TO CLEARING AND DEMOLITION OPERATIONS ARE NOT INCLUDED. ESTIMATED EARTHWORK QUANTITIES ARE BASED ON THE APPROXIMATE DIFFERENCE BETWEEN EXISTING GRADES AND PROPOSED FINISH GRADES OR PAVEMENT SUBGRADES, AS INDICATED ON THE PLANS, AND SHOULD VARY ACCORDING TO THESE FACTORS AND LOSSES.

CONTRACTOR SHALL ACCEPT OR CONFIRM EXISTING TOPOGRAPHIC INFORMATION, SHALL REVIEW THE SITE AND THE GEOTECHNICAL REPORT(S) AND MAKE HIS OWN INTERPRETATIONS AND CONCLUSIONS WITH RESPECT THERETO, AND SHALL PERFORM AN INDEPENDENT EARTHWORK ESTIMATE ON WHICH TO BASE HIS BID. ONCE GRADING IS STARTED, THE TOPOGRAPHIC INFORMATION HAS BEEN ACCEPTED BY CONTRACTOR.

LEGEND:



NOTES:

1. PROPERTY ADDRESS:

   6868 CORTONA DRIVE
   GOLETA, CA 93117

2. ASSESSOR'S PARCEL NO:

   073-140-027

3. EXISTING PARCEL AREA:

   256,114 SF (5.88 AC.) GROSS
   218,113 SF (5.01 AC.) NET

4. PROPOSED PARCEL AREA:

   LOT 1: 115,771 SF (2.66 AC.) GROSS, 82,176 SF (1.89 AC.) NET
   LOT 2: 140,343 SF (3.22 AC.) GROSS, 135,937 SF (3.12 AC.) NET

5. GENERAL PLAN DESIGNATION:

   I-BP
   BUSINESS PARK

6. ZONING DESIGNATION:

   BP (BUSINESS PARK)

7. UTILITY SERVICES:

WATER SUPPLY:	GOLETA WATER DISTRICT
SEWAGE DISPOSAL:	GOLETA WEST SANITARY DISTRICT
ELECTRICITY:	SOUTHERN CALIFORNIA EDISON
TELEPHONE:	FRONTIER
GAS:	SOUTHERN CALIFORNIA GAS COMPANY
CABLE TV:	COX CABLE OF SANTA BARBARA

8. ACCESS:

   LOT WILL BE ACCESSIBLE FROM CORTONA DRIVE.

9. BOUNDARY:

   BOUNDARY IS PER RECORD OF SURVEY BOOK 118, PAGE 88 PER PROVIDED WATERS LAND SURVEYING MAP ROTATED TO NAD 83 (01°22'47").

10. TOPOGRAPHY:

    AERIAL DATA PROVIDED BY CENTRAL COAST AERIAL MAPPING DATED 08-24-2016 SUPPLEMENTED WITH FIELD SURVEY PROVIDED BY CARDENAS & ASSOCIATES, INC. DATED 12-22-2016.

11. BASIS OF BEARINGS:

    HORIZONTAL COORDINATE BASIS IS NAD 83 (1991.35) PER RECORD OF SURVEY BOOK 170, PAGES 47-49 PER STA 2002.
    VERTICAL DATUM IS NAVD 88 PER RECORD OF SURVEY BOOK 170, PAGES 47-49 PER STA 2002. ELEVATION = 12.93'.

12. BENCHMARK:

    LOCATED AT SOUTH SIDE OF FIRE STATION NO. 8 AT THE END OF HARLEY PLACE ON TOP OF CURB. ELEVATION = 12.93 FEET

LEGAL DESCRIPTION:

PARCEL ONE:

LOT 6 OF TRACT 10,212, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA, AS SHOWN ON THE MAP FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, IN MAP BOOK 58, PAGE 26, AND A PORTION OF PARCEL 1 THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA, AS SHOWN ON THE MAP FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, IN BOOK 118 PAGE 88 OF RECORD OF SURVEYS, DESCRIBED AS FOLLOWS:

BEGINNING AT THE MOST NORTHEASTERLY CORNER OF LOT 6 AS SHOWN ON SAID MAP, THENCE, ALONG THE NORTHWESTERLY LINE OF SAID LOT 6,

1ST NORTH 61°45'04" WEST 349.29 FEET; THENCE, LEAVING SAID NORTHWESTERLY LINE,

2ND NORTH 28°00'00" EAST 194.50 FEET; THENCE,

3RD NORTH 62°00'00" WEST 79.51 FEET; THENCE,

4TH NORTH 28°12'54" EAST 95.94 FEET TO THE NORTHEASTERLY LINE OF SAID PARCEL 1; THENCE ALONG SAID NORTHEASTERLY LINE,

5TH NORTH 61°47'06" WEST 454.14 FEET; THENCE,

6TH SOUTH 74°34'00" WEST 71.36 FEET TO THE MOST WESTERLY CORNER OF PARCEL 1; THENCE,

7TH SOUTH 29°35'53" EAST 342.84 FEET; THENCE,

8TH SOUTH 18°39'05" EAST 161.81 FEET; THENCE,

9TH SOUTH 13°38'31" EAST 237.74 FEET; THENCE,

10TH SOUTH 00°21'59" EAST 175.95 FEET; THENCE,

11TH NORTH 88°36'30" EAST 393.55 FEET, SAID POINT ALSO BEING ON THE WESTERLY LINE OF CORTONA DRIVE AS SHOWN ON SAID MAP; THENCE,

12TH NORTH 01°23'30" WEST 30.00 FEET, SAID POINT ALSO BEING ON THE WESTERLY LINE OF CORTONA DRIVE AS SHOWN ON SAID MAP AND BEGINNING OF A TANGENT CURVE CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 330.00 FEET; THENCE ALONG SAID CURVE

13TH NORTHERLY AN ARC LENGTH OF 170.72 FEET, THROUGH A CENTRAL ANGLE OF 29°38'26" TO THE POINT OF BEGINNING.

SAID LAND IS SHOWN AS PARCEL 2 IN THAT CERTAIN LOT LINE ADJUSTMENT NUMBER 05-171-LLA, RECORDED MARCH 13, 2009 AS INSTRUMENT NO. 2009-13689 OF OFFICIAL RECORDS.

EXCEPTING THEREFROM ALL OIL, GAS AND OTHER HYDROCARBON SUBSTANCES AND OTHER MINERALS AND MINERAL RIGHTS IN AND BENEATH SAID LAND, PROVIDED, HOWEVER, THAT GRANTOR ON ITS OWN BEHALF AND ON BEHALF OF THE GRANTEES NAMED IN THAT CERTAIN DEED DATED MARCH 11, 1957, EXECUTED BY THOMAS B. BISHOP COMPANY, A CORPORATION TO ANNA H. BISHOP, ET AL., RECORDED MARCH 14, 1957 AS INSTRUMENT NO. 5115 IN BOOK 1435, PAGE 85 OF OFFICIAL RECORDS, RECORDS OF SAID COUNTY, THEIR SUCCESSORS AND ASSIGNS, DOES HEREBY WAIVE AND RELINQUISH ALL RIGHTS TO ENTER UPON THE SURFACE OF SAID LAND AND ANY PORTION OF THE SUBSURFACE THEREOF TO A DEPTH OF 500 FEET BELOW SAID SURFACE

PARCEL TWO:

THOSE EASEMENTS CREATED BY THAT CERTAIN DOCUMENT ENTITLED "DECLARATION OF ESTABLISHMENT OF PROTECTIVE COVENANTS, CONDITIONS AND RESTRICTIONS AND EASEMENT AGREEMENT CONTAINING RECIPROCAL GRANTS OF EASEMENTS FOR DRIVEWAY USE AND ACCESS" RECORDED OCTOBER 29, 2004 AS INSTRUMENT NO. 2004-114680 OF OFFICIAL RECORDS, DEFINED AND DESCRIBED AS EXHIBITS E, E-1, H, H-1 OF SAID DOCUMENT.

OWNER:
CORTONA INVESTORS LLC, C/O DAKETTA PACIFIC
3832 W. BIDDISON STREET
FORT WORTH, TX 76109
(805) 681-0788

CIVIL ENGINEER:
ROBERT SCHMIDT
FLOWERS & ASSOCIATES, INC.
201 N. CALLE CESAR CHAVEZ. SUITE 100
SANTA BARBARA, CA 93103
(805) 966-2224

SURVEYOR:
WATERS CARDENAS LAND SURVEYING, INC.
5553 HOLLISTER AVE. #7
GOLETA, CA 93117
(805) 967-4416

OWNER AND SUBDIVIDER'S CERTIFICATE:

WE HEREBY APPLY FOR THE APPROVAL OF THE DIVISION OF REAL PROPERTY AS SHOWN ON THIS MAP AND CERTIFY THAT WE ARE THE OWNERS OF RECORD OR THE AUTHORIZED AGENT OF THE LEGAL OWNER AND THAT THE INFORMATION SHOWN HEREON IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF.

SIGNED: ______________________________ DATE: ____________

PRINTED NAME: ______________________________

STREET: ______________________________

CITY: ________________________ STATE: ________ ZIP: ________

SHEET INDEX:

SHEET NO.	GENERAL DESCRIPTION	
1	G-1	TITLE SHEET
2	TM-1	TENTATIVE SUBDIVISION MAP
3	C-1	PRELIMINARY GRADING PLAN
4	C-2	PRELIMINARY GRADING PLAN
5	C-3	PRELIMINARY SECTIONS
6	C-4	OFFSITE IMPROVEMENT PLANS
7	C-5	LOT 2 EXISTING CONDITIONS PLAN
8	C-6	STORKE ROAD UTILITY PLAN
9	U-1	PRELIMINARY UTILITY PLAN

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711 TANK FARM ROAD, SUITE 100
SAN LUIS OBISPO
CALIFORNIA, 93401
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email: omni@odgslo.com

Consultant:

ROBERT A. SCHMIDT
CIVIL
PRELIMINARY
NOT FOR CONSTRUCTION

F&A
FLOWERS & ASSOCIATES, INC.
CIVIL ENGINEERING • PLANNING
CONSTRUCTION ENGINEERING
201 NORTH CALLE CESAR CHAVEZ, SUITE 100
SANTA BARBARA, CA 93103
PHONE: 805.966.2224 | FAX: 805.965.3372

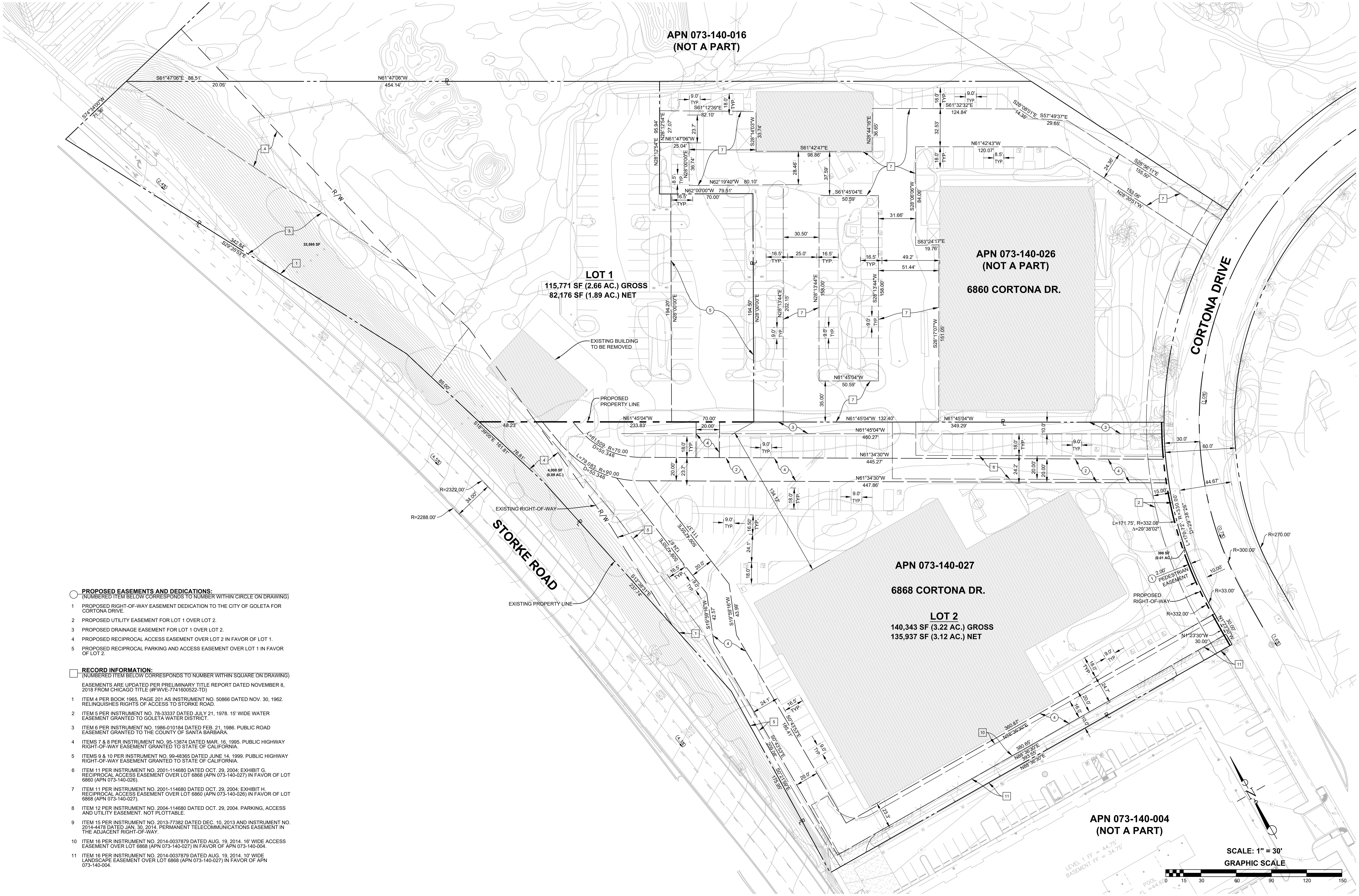
GOLETA
ENERGY STORAGE

Developer:
AltaGas / Goleta Energy Storage LLC
8614 Westwood Center Drive, Suite 1800
Vienna, Virginia 22182

Development Plan / Tentative Parcel Map Drawings for:
Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:
TITLE SHEET

Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:
G-1


APN 073-140-016
(NOT A PART)
LOT 1
115,771 SF (2.66 AC.) GROSS
82,176 SF (1.89 AC.) NET
APN 073-140-026
(NOT A PART)
6860 CORTONA DR.
CORTONA DRIVE
EXISTING BUILDING
TO BE REMOVED
PROPOSED
PROPERTY LINE
EXISTING RIGHT-OF-WAY
EXISTING PROPERTY LINE
STORKE ROAD
APN 073-140-027
6868 CORTONA DR.
LOT 2
140,343 SF (3.22 AC.) GROSS
135,937 SF (3.12 AC.) NET
PEDESTRIAN EASEMENT
PROPOSED RIGHT-OF-WAY
APN 073-140-004
(NOT A PART)
33,595 SF
4,008 SF (0.09 AC.)
398 SF (0.01 AC.)
R/W
N61°47'06"W 454.14'
S61°47'06"E 88.51'
N61°45'04"W 233.83'
N61°45'04"W 460.27'
N61°34'30"W 445.27'
N61°34'30"W 447.86'
N61°45'04"W 349.29'
R=2322.00'
R=2288.00'
R=270.00'
R=300.00'
R=332.00'
R=33.00'
SCALE: 1" = 30'
GRAPHIC SCALE
0
15
30
60
90
120
150

PROPOSED EASEMENTS AND DEDICATIONS:
○ (NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN CIRCLE ON DRAWING)

1 PROPOSED RIGHT-OF-WAY EASEMENT DEDICATION TO THE CITY OF GOLETA FOR CORTONA DRIVE.

2 PROPOSED UTILITY EASEMENT FOR LOT 1 OVER LOT 2.

3 PROPOSED DRAINAGE EASEMENT FOR LOT 1 OVER LOT 2.

4 PROPOSED RECIPROCAL ACCESS EASEMENT OVER LOT 2 IN FAVOR OF LOT 1.

5 PROPOSED RECIPROCAL PARKING AND ACCESS EASEMENT OVER LOT 1 IN FAVOR OF LOT 2.

RECORD INFORMATION:
☐ (NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN SQUARE ON DRAWING)

EASEMENTS ARE UPDATED PER PRELIMINARY TITLE REPORT DATED NOVEMBER 8, 2018 FROM CHICAGO TITLE (#FWVE-7741600522-TD)

1 ITEM 4 PER BOOK 1965, PAGE 201 AS INSTRUMENT NO. 50866 DATED NOV. 30, 1962. RELINQUISHES RIGHTS OF ACCESS TO STORKE ROAD.

2 ITEM 5 PER INSTRUMENT NO. 78-33337 DATED JULY 21, 1978. 15' WIDE WATER EASEMENT GRANTED TO GOLETA WATER DISTRICT.

3 ITEM 6 PER INSTRUMENT NO. 1986-010184 DATED FEB. 21, 1986. PUBLIC ROAD EASEMENT GRANTED TO THE COUNTY OF SANTA BARBARA.

4 ITEMS 7 & 8 PER INSTRUMENT NO. 95-13874 DATED MAR. 16, 1995. PUBLIC HIGHWAY RIGHT-OF-WAY EASEMENT GRANTED TO STATE OF CALIFORNIA.

5 ITEMS 9 & 10 PER INSTRUMENT NO. 99-48365 DATED JUNE 14, 1999. PUBLIC HIGHWAY RIGHT-OF-WAY EASEMENT GRANTED TO STATE OF CALIFORNIA.

6 ITEM 11 PER INSTRUMENT NO. 2001-114680 DATED OCT. 29, 2004; EXHIBIT G. RECIPROCAL ACCESS EASEMENT OVER LOT 6868 (APN 073-140-027) IN FAVOR OF LOT 6860 (APN 073-140-026).

7 ITEM 11 PER INSTRUMENT NO. 2001-114680 DATED OCT. 29, 2004; EXHIBIT H. RECIPROCAL ACCESS EASEMENT OVER LOT 6860 (APN 073-140-026) IN FAVOR OF LOT 6868 (APN 073-140-027).

8 ITEM 12 PER INSTRUMENT NO. 2004-114680 DATED OCT. 29, 2004. PARKING, ACCESS AND UTILITY EASEMENT. NOT PLOTTABLE.

9 ITEM 15 PER INSTRUMENT NO. 2013-77382 DATED DEC. 10, 2013 AND INSTRUMENT NO. 2014-4478 DATED JAN. 30, 2014. PERMANENT TELECOMMUNICATIONS EASEMENT IN THE ADJACENT RIGHT-OF-WAY.

10 ITEM 16 PER INSTRUMENT NO. 2014-0037879 DATED AUG. 19, 2014. 16' WIDE ACCESS EASEMENT OVER LOT 6868 (APN 073-140-027) IN FAVOR OF APN 073-140-004.

11 ITEM 16 PER INSTRUMENT NO. 2014-0037879 DATED AUG. 19, 2014. 10' WIDE LANDSCAPE EASEMENT OVER LOT 6868 (APN 073-140-027) IN FAVOR OF APN 073-140-004.

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Consultant:

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NOT FOR CONSTRUCTION
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Developer:

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AltaGas / Goleta Energy Storage LLC
8614 Westwood Center Drive, Suite 1800
Vienna, Virginia 22182

Development Plan / Tentative Parcel Map Drawings for:

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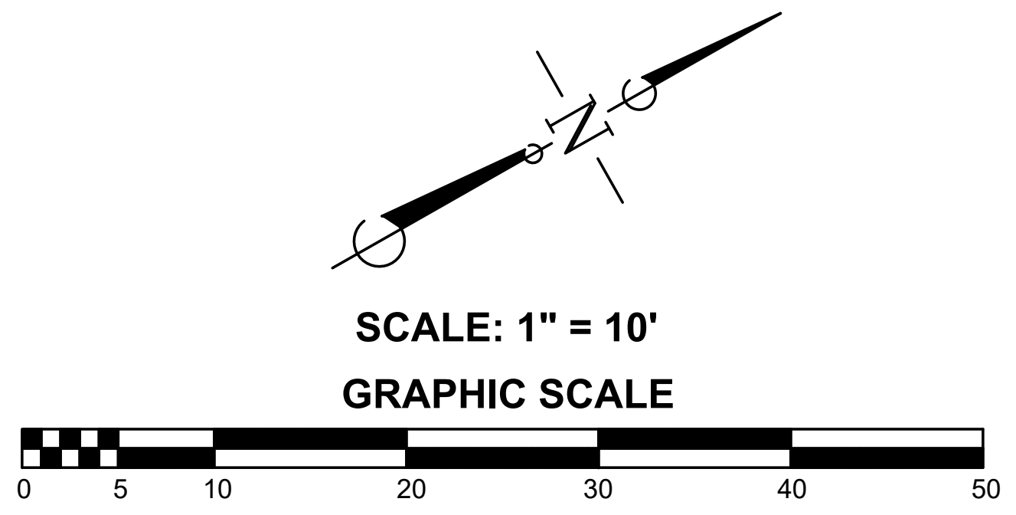
Goleta, California 93117

Sheet Title:

TENTATIVE SUBDIVISION MAP
PARCEL MAP No. 32,061

Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:

TM-1


N

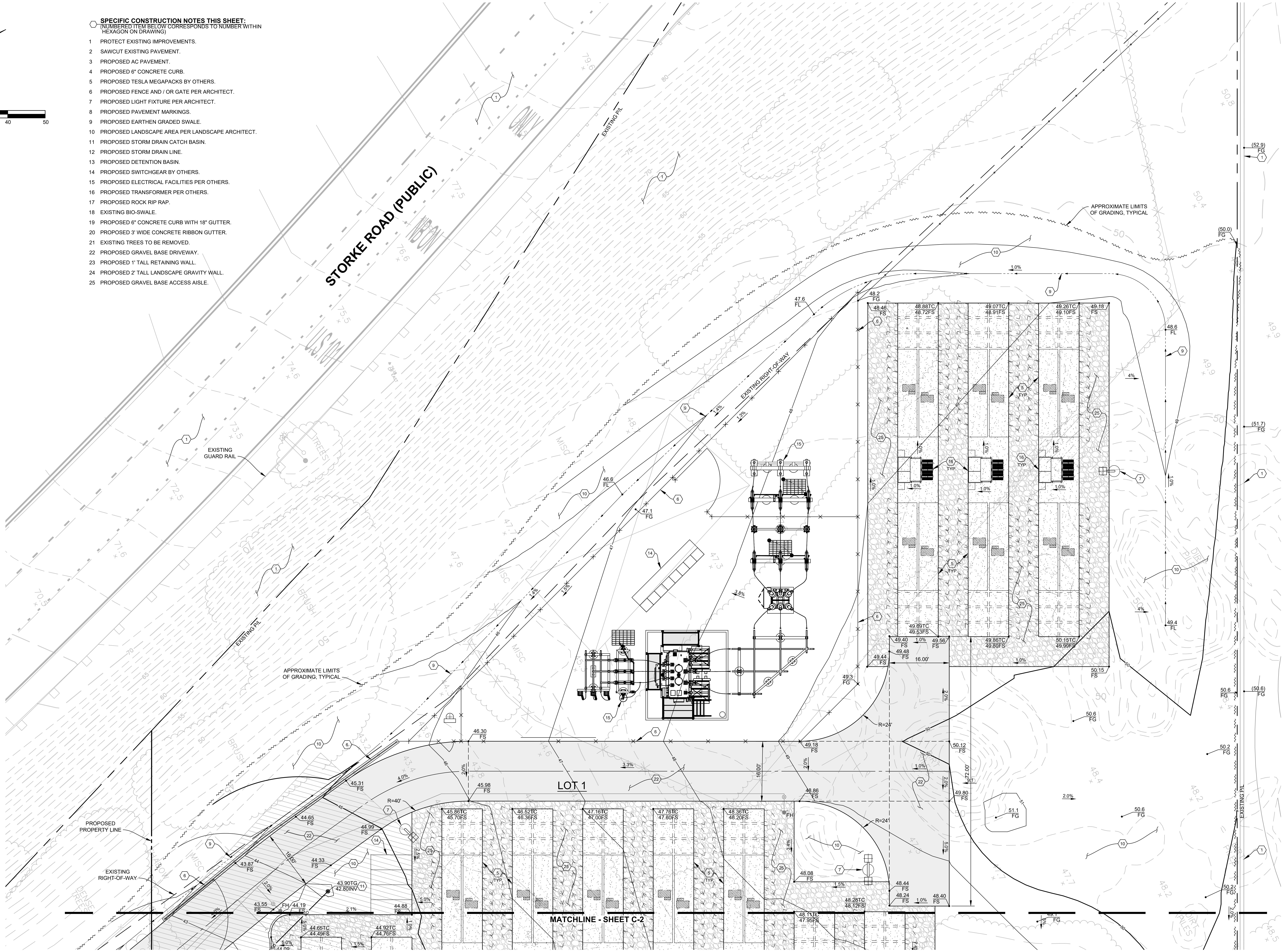
SCALE: 1" = 10'

GRAPHIC SCALE

0
5
10
20
30
40
50

SPECIFIC CONSTRUCTION NOTES THIS SHEET:
(NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN HEXAGON ON DRAWING)

1 PROTECT EXISTING IMPROVEMENTS.
2 SAWCUT EXISTING PAVEMENT.
3 PROPOSED AC PAVEMENT.
4 PROPOSED 6" CONCRETE CURB.
5 PROPOSED TESLA MEGAPACKS BY OTHERS.
6 PROPOSED FENCE AND / OR GATE PER ARCHITECT.
7 PROPOSED LIGHT FIXTURE PER ARCHITECT.
8 PROPOSED PAVEMENT MARKINGS.
9 PROPOSED EARTHEN GRADED SWALE.
10 PROPOSED LANDSCAPE AREA PER LANDSCAPE ARCHITECT.
11 PROPOSED STORM DRAIN CATCH BASIN.
12 PROPOSED STORM DRAIN LINE.
13 PROPOSED DETENTION BASIN.
14 PROPOSED SWITCHGEAR BY OTHERS.
15 PROPOSED ELECTRICAL FACILITIES PER OTHERS.
16 PROPOSED TRANSFORMER PER OTHERS.
17 PROPOSED ROCK RIP RAP.
18 EXISTING BIO-SWALE.
19 PROPOSED 6" CONCRETE CURB WITH 18" GUTTER.
20 PROPOSED 3' WIDE CONCRETE RIBBON GUTTER.
21 EXISTING TREES TO BE REMOVED.
22 PROPOSED GRAVEL BASE DRIVEWAY.
23 PROPOSED 1' TALL RETAINING WALL.
24 PROPOSED 2' TALL LANDSCAPE GRAVITY WALL.
25 PROPOSED GRAVEL BASE ACCESS AISLE.


STORKE ROAD (PUBLIC)
U.S. 101
NB OFF
ONLY
EXISTING P/L
EXISTING GUARD RAIL
APPROXIMATE LIMITS OF GRADING, TYPICAL
EXISTING RIGHT-OF-WAY
PROPOSED PROPERTY LINE
LOT 1
MATCHLINE - SHEET C-2
TREES
BRUSH
MISC
R=40'
R=24'
16.00'
172.00'
TYP
FH
47.6 FL
48.2 FG
48.46 FS
48.88TC 48.72FS
49.07TC 48.91FS
49.26TC 49.10FS
49.18 FS
48.6 FL
46.6 FL
47.1 FG
49.69TC 49.53FS
49.40 FS
49.48 FS
49.56 FS
49.86TC 49.80FS
50.15TC 49.99FS
49.44 FS
49.3 FG
50.15 FS
49.4 FL
46.30 FS
45.98 FS
45.31 FS
49.18 FS
50.12 FS
48.86 FS
49.80 FS
45.86TC 45.70FS
46.52TC 46.36FS
47.16TC 47.00FS
47.76TC 47.60FS
48.36TC 48.20FS
44.65 FS
44.99 FS
43.87 FS
44.33 FS
43.90TG 42.80INV
43.55 FS
44.19 FS
44.88 FS
44.65TC 44.49FS
44.92TC 44.76FS
48.08 FS
48.44 FS
48.24 FS
48.40 FS
48.28TC 48.12FS
48.11TC 47.95FS
51.1 FG
50.6 FG
50.2 FG
(52.9) FG
(51.7) FG
(50.0) FG
(50.6) FG
1.0%
1.4%
1.8%
2.0%
3.3%
3.8%
4.0%
4%
5.0%
1.5%
2.1%

IMPORTANT NOTICE

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CALL TOLL FREE 1-800-422-4133

ARCHITECTURE
CIVIL ENGINEERING
SURVEYING

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SAN LUIS OBISPO
CALIFORNIA, 93401
PHONE: (805)544-9700
email: omni@odgslo.com

omni
DESIGN GROUP

Consultant:

ROBERT A. SCHMIDT
No. 31335
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PRELIMINARY
NOT FOR CONSTRUCTION

FLOWERS & ASSOCIATES, INC.
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CONSTRUCTION ENGINEERING
201 North Calle Cesar Chavez, Suite 100
Santa Barbara, CA 93103
Phone: 805.966.2224 | Fax: 805.965.3372

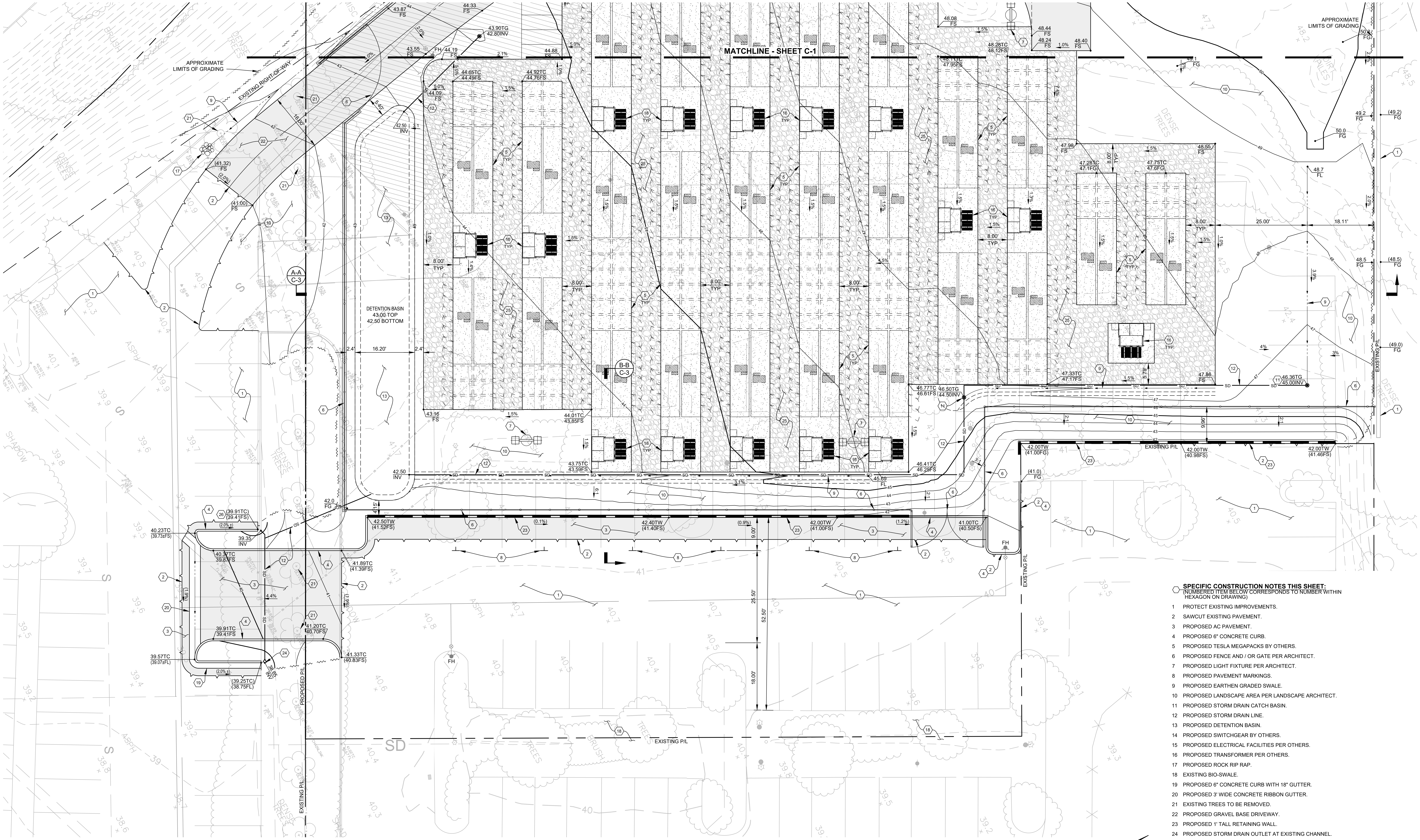
GOLETA
ENERGY STORAGE

Developer:
AltaGas / Goleta Energy Storage LLC
8614 Westwood Center Drive, Suite 1800
Vienna, Virginia 22182

Development Plan / Tentative Parcel Map Drawings for:
Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:
PRELIMINARY GRADING PLAN

Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:
C-1


MATCHLINE - SHEET C-1
APPROXIMATE LIMITS OF GRADING
EXISTING RIGHT-OF-WAY
DETENTION BASIN
43.00 TOP
42.50 BOTTOM
16.20'
2.4'
8.00' TYP
25.00'
18.11'
25.50'
52.50'
18.00'
9.00'
A-A C-3
B-B C-3
EXISTING P/L
PROPOSED P/L
DENSE TREES
SD
FH
TYP

SPECIFIC CONSTRUCTION NOTES THIS SHEET:
(NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN HEXAGON ON DRAWING)

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22 PROPOSED GRAVEL BASE DRIVEWAY.
23 PROPOSED 1' TALL RETAINING WALL.
24 PROPOSED STORM DRAIN OUTLET AT EXISTING CHANNEL.
25 PROPOSED GRAVEL BASE ACCESS AISLE.
26 PROPOSED CURB OPENING INLET.

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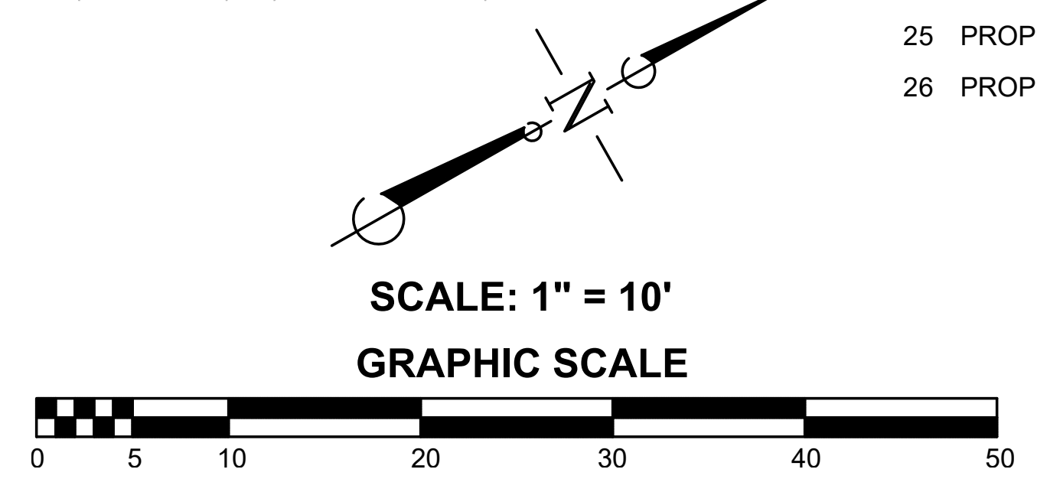

N
0
5
10
20
30
40
50

SCALE: 1" = 10'

GRAPHIC SCALE

ARCHITECTURE
CIVIL ENGINEERING
SURVEYING

711 TANK FARM ROAD, SUITE 100
SAN LUIS OBISPO
CALIFORNIA, 93401
PHONE: (805)544-9700
email: omni@odgslo.com

omni DESIGN GROUP

Consultant:

PRELIMINARY NOT FOR CONSTRUCTION

FLOWERS & ASSOCIATES, INC.
CIVIL ENGINEERING • PLANNING
CONSTRUCTION ENGINEERING
201 NORTH CALLE CESAR CHAVEZ, SUITE 100
SANTA BARBARA, CA 93103
PHONE: 805.966.2224 | FAX: 805.965.3372

Developer:

AltaGas / Goleta Energy Storage LLC
8614 Westwood Center Drive, Suite 1800
Vienna, Virginia 22182

Development Plan / Tentative Parcel Map Drawings for:

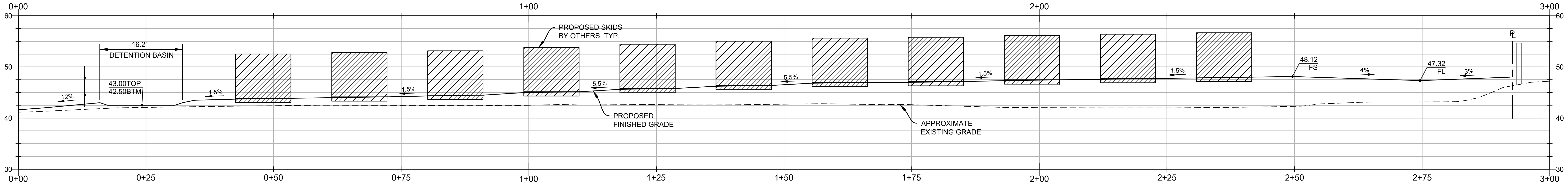
Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:

PRELIMINARY GRADING PLAN

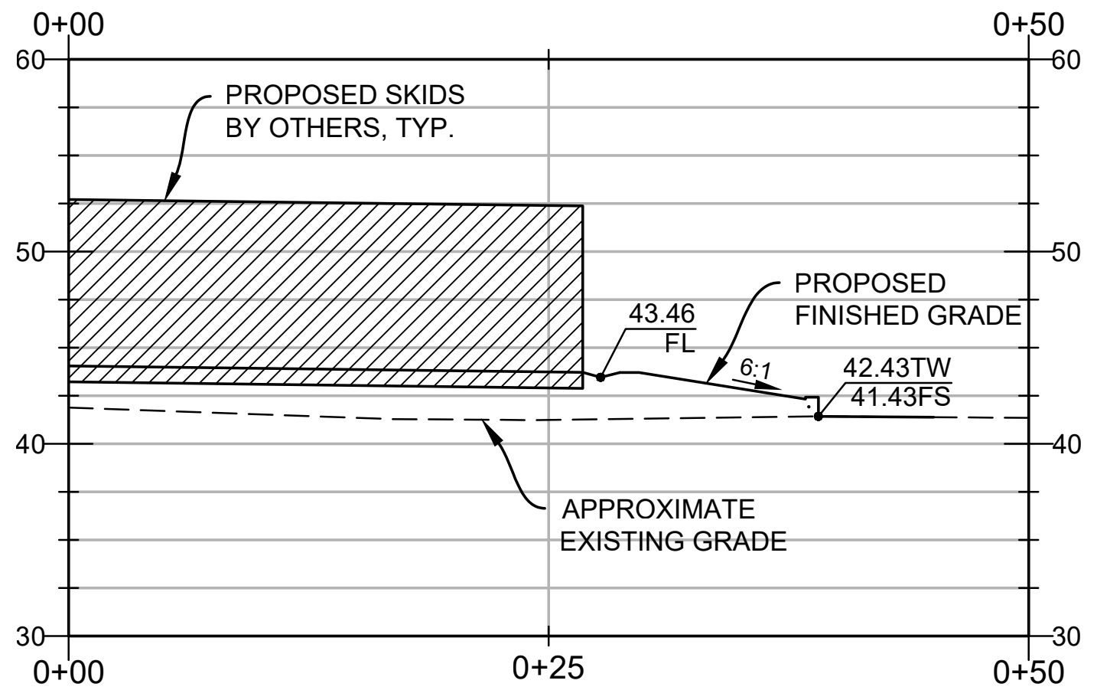
Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:

C-2


0+00
1+00
2+00
3+00
60
50
40
30
PROPOSED SKIDS
BY OTHERS, TYP.
16.2'
DETENTION BASIN
43.00TOP
42.50BTM
12%
1.5%
1.5%
5.5%
5.5%
1.5%
1.5%
48.12
FS
4%
47.32
FL
3%
PL
PROPOSED
FINISHED GRADE
APPROXIMATE
EXISTING GRADE
0+25
0+50
0+75
1+25
1+50
1+75
2+25
2+50
2+75

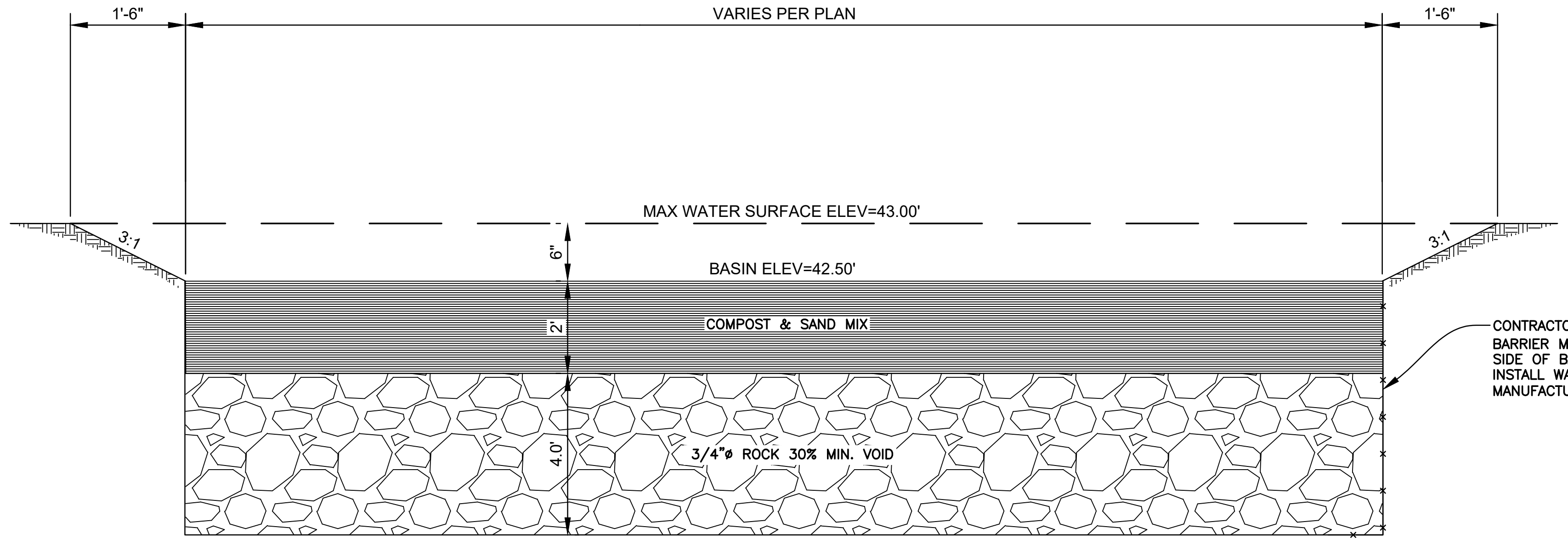
SECTION A-A

SCALE: 1" = 10' HORIZ. & VERT.


0+00
0+50
60
50
40
30
PROPOSED SKIDS
BY OTHERS, TYP.
43.46
FL
PROPOSED
FINISHED GRADE
6:1
42.43TW
41.43FS
APPROXIMATE
EXISTING GRADE
0+25

SECTION B-B

SCALE: 1" = 10' HORIZ. & VERT.


1'-6"
VARIES PER PLAN
1'-6"
MAX WATER SURFACE ELEV=43.00'
3:1
3:1
6"
BASIN ELEV=42.50'
2'
COMPOST & SAND MIX
4.0'
3/4"ø ROCK 30% MIN. VOID

CONTRACTOR TO PLACE DEEP ROOT BARRIER MODEL WB $\frac{48}{30}$ ALONG DOWNHILL SIDE OF BASIN AS SHOWN ON PLANS; INSTALL WATERPROOF BARRIER PER MANUFACTURER'S STANDARDS.

NOTES:

1 CONTRACTOR SHALL INSTALL 36" MINIMUM OF ¾" WASHED FLOAT ROCK PERMEABLE MATERIAL IN BOTTOM OF PREPARED EXCAVATION FOR THE BIO-RETENTION FACILITY AS SHOWN.

2 AFTER INSTALLATION OF PERFORATED PIPE SUBDRAIN MANIFOLD, CONTRACTOR SHALL PLACE 18" MINIMUM OF TOPSOIL AND COMPOST MIX ON TOP OF THE GRAVEL LAYER AS SHOWN. MIX TO BE PER PROJECT CLEAN WATER SPECIFICATIONS FOR TOPSOIL COMPOST MIX.

TYPICAL BIO-RETENTION BASIN SECTION

NOT TO SCALE

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Consultant:

ROBERT A. SCHMIDT
No. 71335
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GOLETA
ENERGY STORAGE

Developer:

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Vienna, Virginia 22182

Development Plan / Tentative Parcel Map Drawings for:

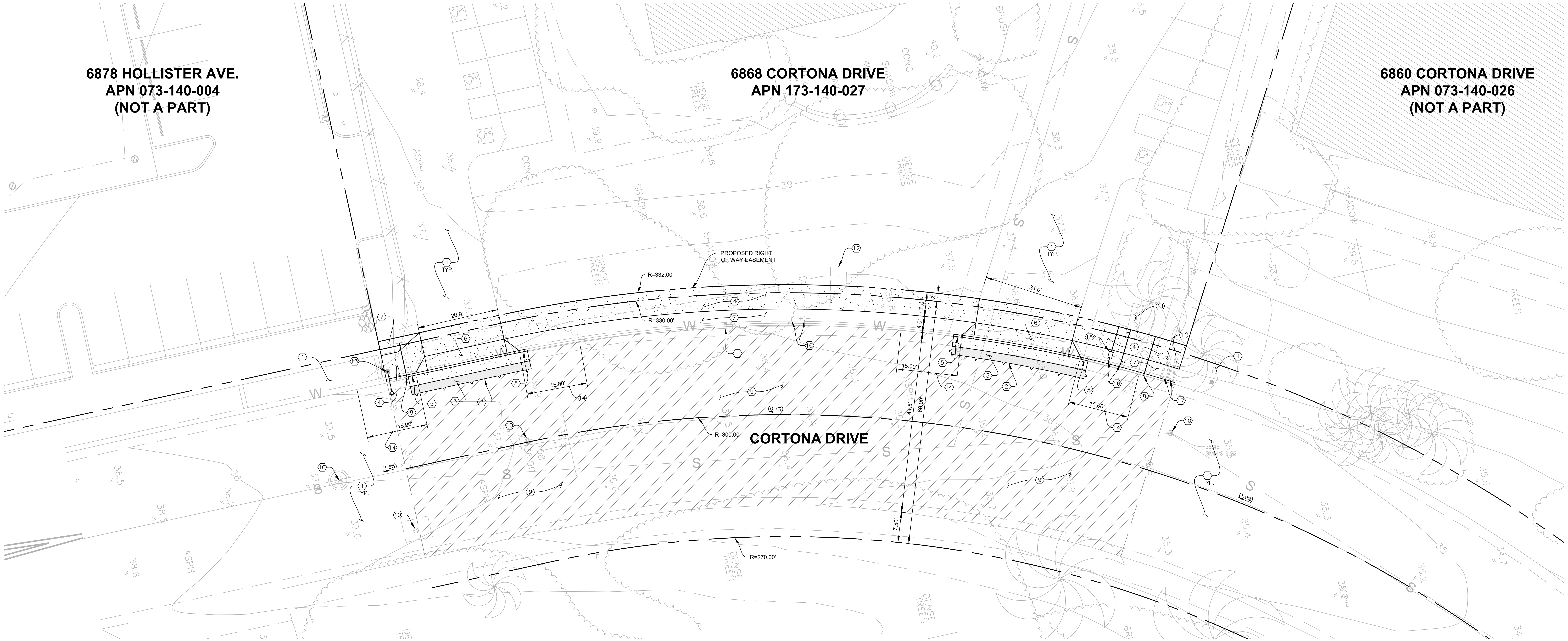
Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

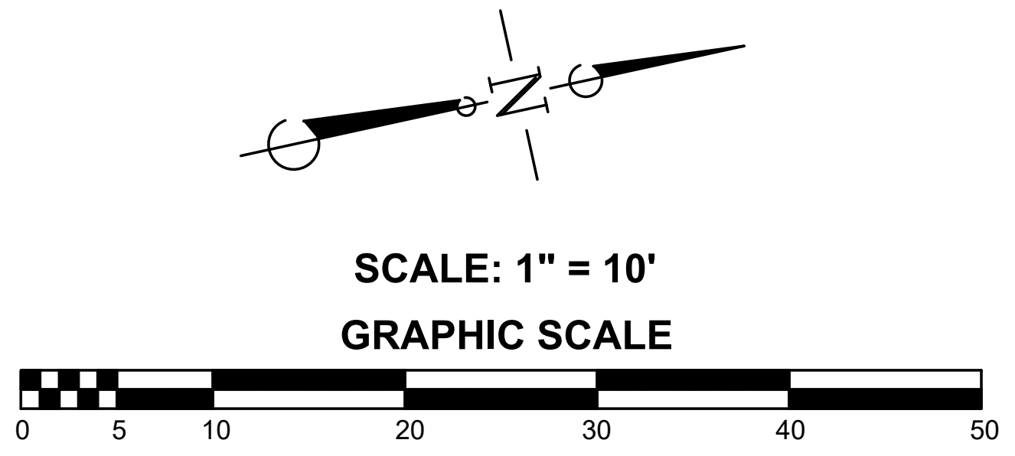
Sheet Title:

PRELIMINARY SECTIONS

Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:

C-3


6878 HOLLISTER AVE.
APN 073-140-004
(NOT A PART)
6868 CORTONA DRIVE
APN 173-140-027
6860 CORTONA DRIVE
APN 073-140-026
(NOT A PART)
CORTONA DRIVE
PROPOSED RIGHT OF WAY EASEMENT
R=332.00'
R=330.00'
R=300.00'
R=270.00'
20.0'
24.0'
15.00'
60.00'
44.5'
6.0'
4.0'
7.50'
(0.7%)
(1.6%)
(1.0%)
TYP.
DENSE TREES
SHADOW
ASPH
CONC
BRUSH
TREES


N
SCALE: 1" = 10'
GRAPHIC SCALE
0
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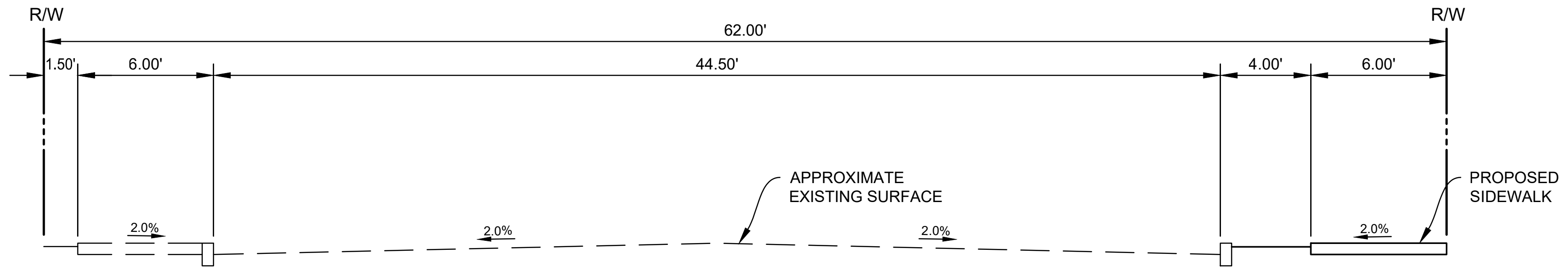
50


R/W
R/W
62.00'
1.50'
6.00'
44.50'
4.00'
6.00'
APPROXIMATE EXISTING SURFACE
PROPOSED SIDEWALK
2.0%
2.0%
2.0%
2.0%

PROPOSED TYPICAL CORTONA DRIVE ROAD SECTION

NOT TO SCALE

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CALL TOLL FREE 1-800-422-4133

SPECIFIC CONSTRUCTION NOTES THIS SHEET:
(NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN HEXAGON ON DRAWING)

1 PROTECT EXISTING SURFACE IMPROVEMENTS.

2 SAWCUT EXISTING PAVEMENT.

3 PROPOSED AC PAVEMENT.

4 PROPOSED CONCRETE SIDEWALK.

5 PROPOSED 6" CURB.

6 PROPOSED DRIVEWAY PER COUNTY OF SANTA BARBARA COUNTY STANDARD DETAILS 4-010 AND 4-040.

7 PROPOSED LANDSCAPE AREA PER LANDSCAPE ARCHITECT.

8 PROPOSED PARKWAY DRAIN PER GREENBOOK STANDARD DETAIL 151-2.

9 PROPOSED SLURRY SEAL.

10 PROTECT EXISTING UTILITIES.

11 EXISTING BACKFLOW PREVENTERS WITHIN RIGHT OF WAY TO BE RELOCATED BEHIND RIGHT OF WAY. SEE UTILITY PLAN SHEET U-1 FOR MORE INFORMATION.

12 EXISTING SIGN TO BE REMOVED AND RELOCATED BEHIND RIGHT OF WAY PER ARCHITECT'S PLANS AND SPECIFICATIONS.

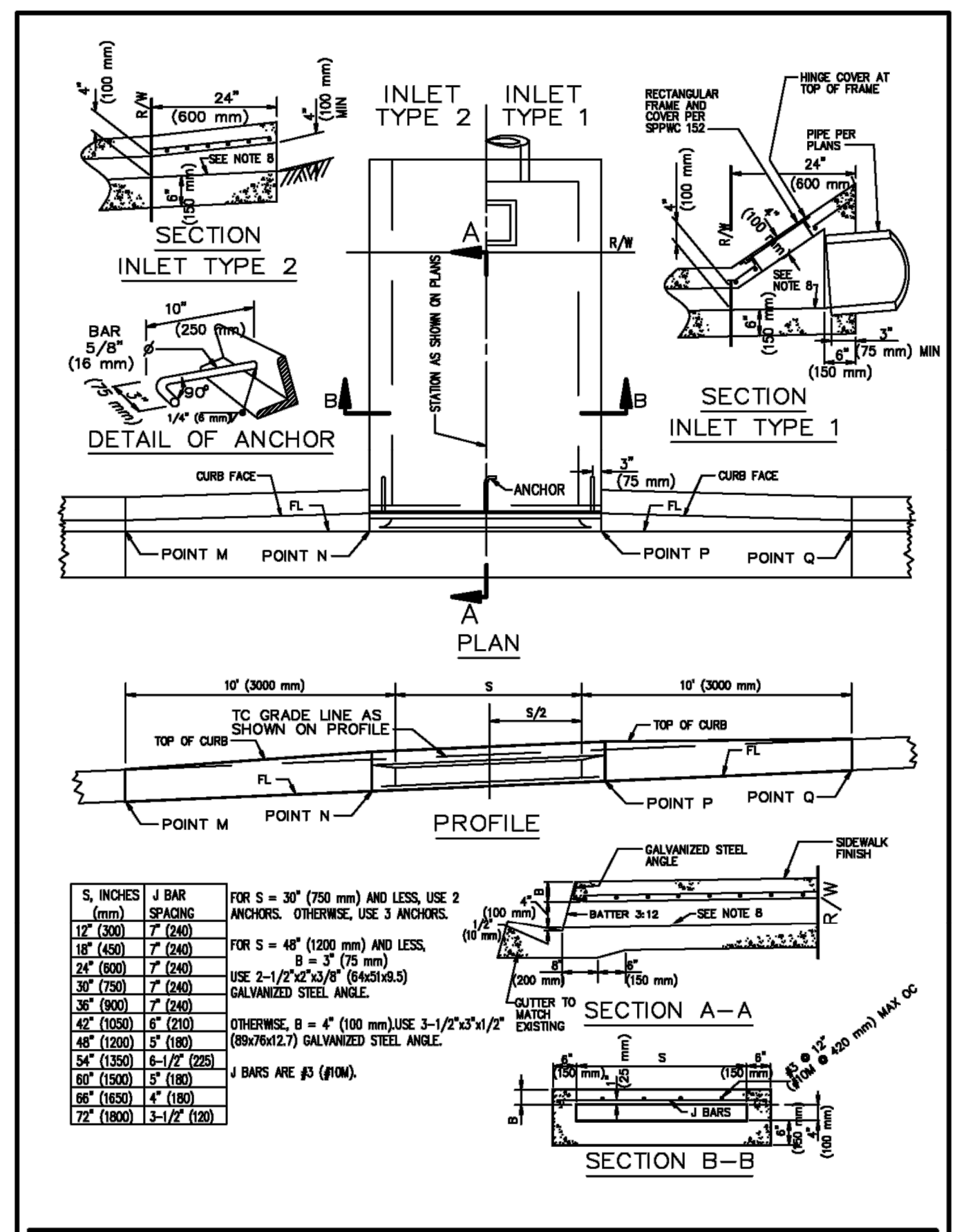
13 REMOVE EXISTING STREET LIGHT AND REPLACE WITH CITY OF GOLETA STANDARD STREET LIGHT AT 2'-0" BEHIND CURB FACE.

14 PROPOSED CURB TO BE PAINTED RED TO LIMITS SHOWN ON PLAN.

15 PROPOSED WATER METER PER GOLETA WATER DISTRICT STANDARD DETAIL 2-05.

16 PROPOSED WATER AND FIRE WATER CONNECTION.

17 EXISTING WATER METERS TO REMAIN.


SECTION INLET TYPE 2
INLET TYPE 2
INLET TYPE 1
DETAIL OF ANCHOR
SECTION INLET TYPE 1
PLAN
PROFILE
SECTION A-A
SECTION B-B
J BARS
GUTTER TO MATCH EXISTING
#3 @ 12" (#10M @ 420 mm) MAX OC

24" (600)	7" (240)
30" (750)	7" (240)
36" (900)	7" (240)
42" (1050)	6" (210)
48" (1200)	5" (180)
54" (1350)	6-1/2" (225)
60" (1500)	5" (180)
66" (1650)	4" (180)
72" (1800)	3-1/2" (120)

B = 3" (75 mm)
USE 2-1/2"x2"x3/8" (64x51x9.5) GALVANIZED STEEL ANGLE.

OTHERWISE, B = 4" (100 mm).USE 3-1/2"x3"x1/2" (89x76x12.7) GALVANIZED STEEL ANGLE.

J BARS ARE #3 (#10M).

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1993 REV. 1996, 2009

PARKWAY DRAIN

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN **151-2** SHEET 1 OF 2

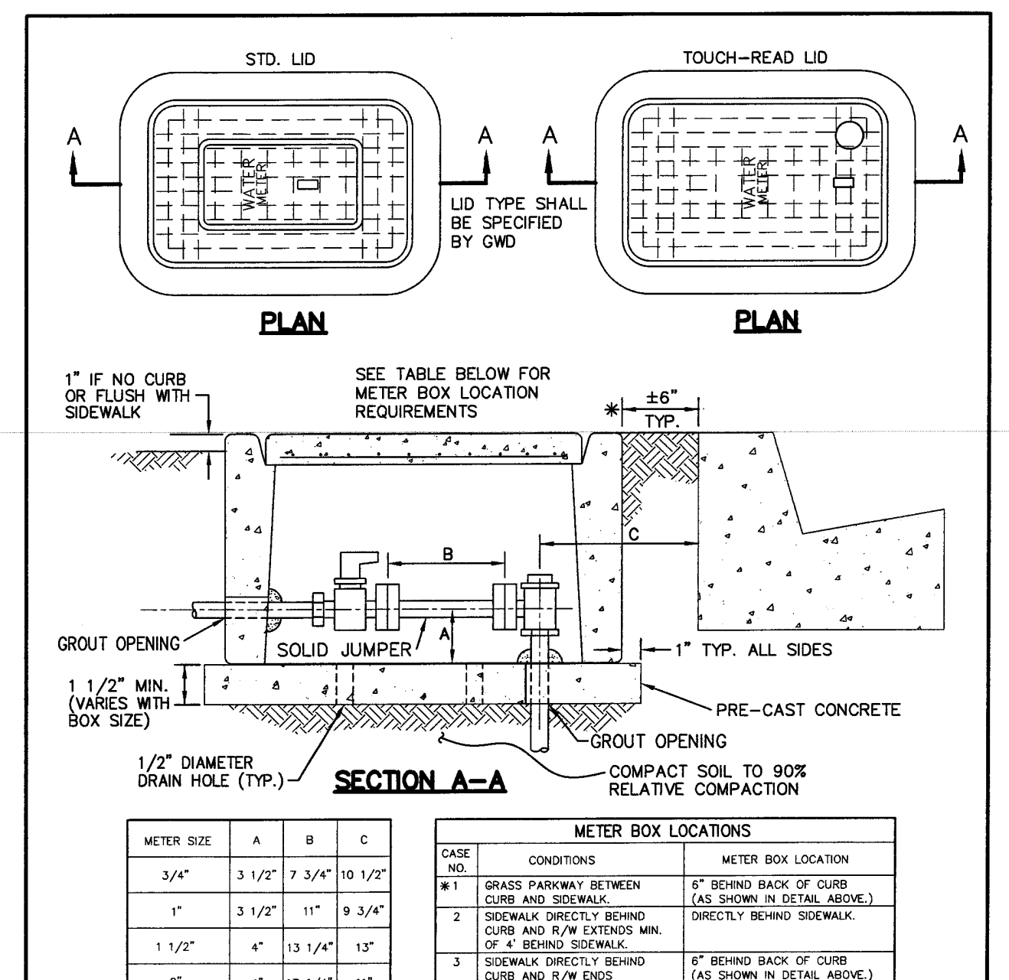
NOTES

1. FLOOR OF BOX SHALL BE TROWELED SMOOTH.
2. IF THE TOE OF SLOPE IS ALLOWED WITHIN THE R/W, INLET TYPE 1 BEGINS AT THE TOE RATHER THAN AT THE R/W LINE.
3. FOR OPEN DITCH (TYPE 2), THE 24" (600 mm) EXTENSION BEYOND THE R/W LINE IS NOT REQUIRED WHEN BACK OF WALK IS 24" (600 mm) OR MORE FROM THE R/W LINE; HOWEVER, THE PIPE SHALL EXTEND TO THE R/W LINE IN ANY EVENT.
4. TOP OF INLET STRUCTURE (TYPE 1 & 2) SHALL BE FLUSH WITH ADJACENT SURFACE WHERE PRACTICAL.
5. A HEADED STEEL STUD 5/8" x 6-3/8" WITH A 1" HEAD (16 x 160 mm, 25 mm HEAD) ATTACHED BY A FULL PENETRATION BUTT WELD MAY BE USED AS AN ALTERNATE ANCHOR.
6. NORMAL CURB FACE AT POINT M AND Q. CURB FACE IS B + 5" (125 mm) AT POINT N AND P.
7. THE 3" (75 mm) LEG OF THE 5/8" (16 mm) DIA ANCHORS SHALL BE PARALLEL TO THE TOP OF SIDEWALK.
8. SLOPE = 2.0%.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PARKWAY DRAIN

STANDARD PLAN **151-2** SHEET 2 OF 2


STD. LID
TOUCH-READ LID
PLAN
PLAN
LID TYPE SHALL BE SPECIFIED BY GWD
1" IF NO CURB OR FLUSH WITH SIDEWALK
SEE TABLE BELOW FOR METER BOX LOCATION REQUIREMENTS
GROUT OPENING
SOLID JUMPER
1" TYP. ALL SIDES
1 1/2" MIN. (VARIES WITH BOX SIZE)
PRE-CAST CONCRETE
GROUT OPENING
1/2" DIAMETER DRAIN HOLE (TYP.)
SECTION A-A
COMPACT SOIL TO 90% RELATIVE COMPACTION

METER SIZE	A	B	C
3/4"	3 1/2"	7 3/4"	10 1/2"
1"	3 1/2"	11"	9 3/4"
1 1/2"	4"	13 1/4"	13"
2"	4"	17 1/4"	11"

METER BOX LOCATIONS

CASE NO.	CONDITIONS	METER BOX LOCATION
✱1	GRASS PARKWAY BETWEEN CURB AND SIDEWALK.	6" BEHIND BACK OF CURB (AS SHOWN IN DETAIL ABOVE.)
2	SIDEWALK DIRECTLY BEHIND CURB AND R/W EXTENDS MIN. OF 4' BEHIND SIDEWALK.	DIRECTLY BEHIND SIDEWALK.
3	SIDEWALK DIRECTLY BEHIND CURB AND R/W ENDS NEAR BACK OF SIDEWALK.	6" BEHIND BACK OF CURB (AS SHOWN IN DETAIL ABOVE.)

NOTES

1. SEE GWD TECHNICAL SPECIFICATIONS FOR APPROVED MATERIALS AND MANUFACTURERS.
2. METER BOX BASE SHALL BE PRE-CAST CONCRETE.
3. FOR BOXES IN AREA WHERE VEHICULAR TRAVEL IS ANTICIPATED, A TRAFFIC RATED LID (H-20) WITH READING LID SHALL BE USED.
4. ALL JOINTS BETWEEN BASE AND METER BOX AND OPENINGS AT METER BOX INLET & OUTLET SHALL BE MORTARED AS DIRECTED BY GWD INSPECTOR.
5. TRAFFIC RATED COVERS WITH READING LID ARE REQUIRED WHERE ROLLED CURB AND/OR NO CURBS HAVE BEEN INSTALLED ALONG EDGE OF PAVEMENT. WHERE NO CURBS EXIST, THE METER BOX SHALL BE LOCATED 15" BEHIND EDGE OF PAVEMENT.
6. METERS SHALL BE LOCATED A MINIMUM OF FIVE FEET CLEAR OF ABOVE AND BELOW GROUND OBSTRUCTIONS SUCH AS VAULTS, UTILITIES, CURB RETURNS, DRIVEWAYS, STREET LIGHTS AND STREET SIGNS, AND TEN FEET CLEAR OF TREES AND BUSHES.

APPROVED:

Gary L McFarren 2009.07.25 13:14:13 -07'00'

ENGINEERING MANAGER DATE

GOLETA WATER DISTRICT

METER BOX FOR METERS UP TO 2"

STD. DETAIL 2-05

S:\ENGR\GWD Standard Engineering Documents\Standards & Specifications\GWD Standard Detail Dwg\2-05.dwg 4/2/2009 10:38:43 AM PDT

omni DESIGN GROUP
ARCHITECTURE
CIVIL ENGINEERING
SURVEYING
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SAN LUIS OBISPO
CALIFORNIA, 93401
PHONE: (805)544-9700
email: omni@odgslo.com

Consultant:

ROBERT A. SCHMIDT C 73335
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Developer:

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AltaGas / Goleta Energy Storage LLC
8614 Westwood Center Drive, Suite 1800
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Development Plan / Tentative Parcel Map Drawings for:

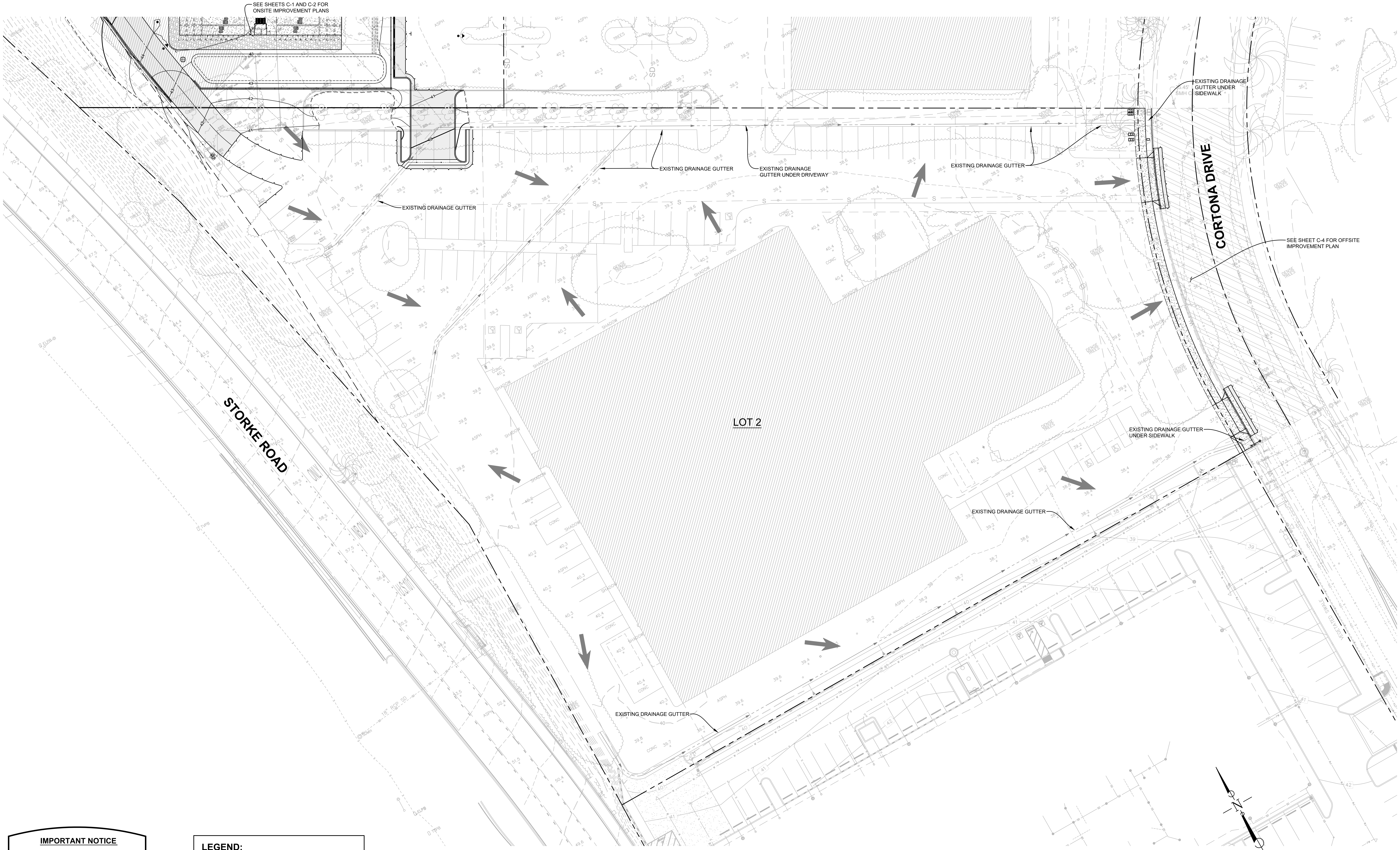
Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:

PRELIMINARY OFFSITE
IMPROVEMENT PLAN

Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:

C-4


SEE SHEETS C-1 AND C-2 FOR ONSITE IMPROVEMENT PLANS
EXISTING DRAINAGE GUTTER
EXISTING DRAINAGE GUTTER UNDER DRIVEWAY
EXISTING DRAINAGE GUTTER
EXISTING DRAINAGE GUTTER UNDER SIDEWALK
EXISTING DRAINAGE GUTTER
CORTONA DRIVE
SEE SHEET C-4 FOR OFFSITE IMPROVEMENT PLAN
LOT 2
STORKE ROAD
EXISTING DRAINAGE GUTTER UNDER SIDEWALK
EXISTING DRAINAGE GUTTER
EXISTING DRAINAGE GUTTER
N
SCALE: 1" = 20'
GRAPHIC SCALE
0
10
20
40
60
80
100

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CALL TOLL FREE 1-800-422-4133

LEGEND:

➔	DRAINAGE FLOW DIRECTION
- - -→	EXISTING GUTTER FLOWLINE

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Consultant:

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Developer:

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8614 Westwood Center Drive, Suite 1800
Vienna, Virginia 22182

Development Plan / Tentative Parcel Map Drawings for:

Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:

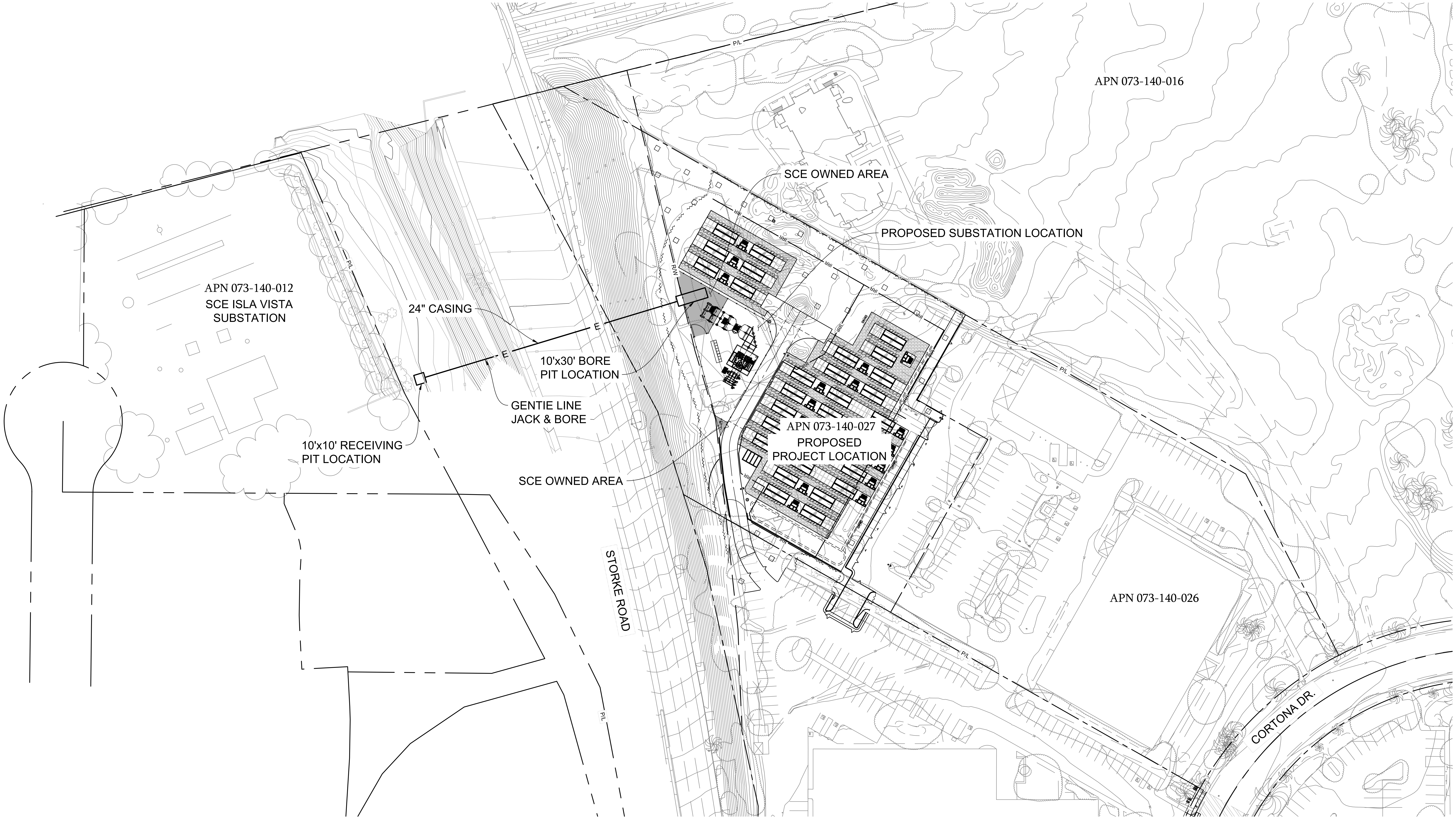
LOT 2 EXISTING CONDITIONS PLAN

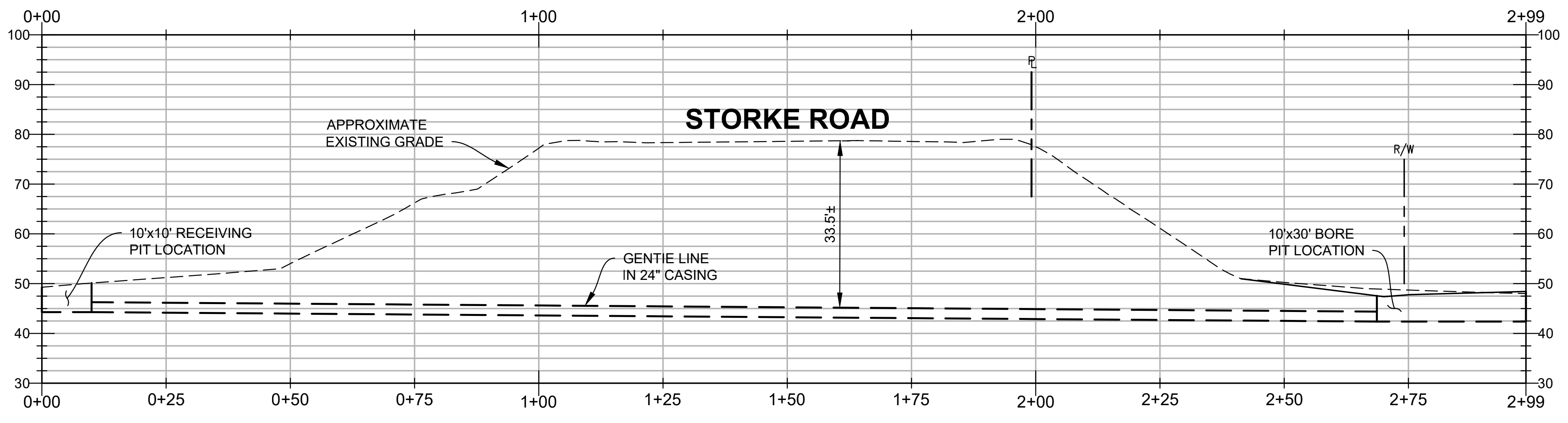
Date: January 22, 2021

Project Number: 1199-01-Tesla

Sheet Number:

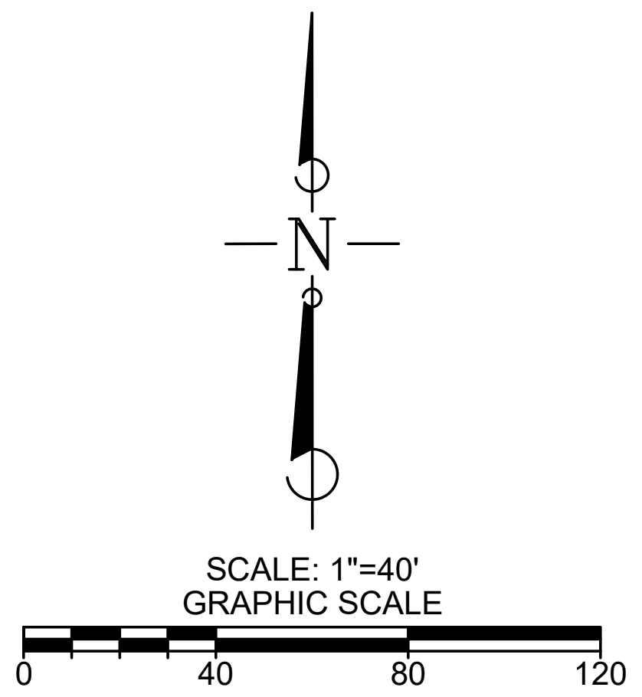
C-5


APN 073-140-016
SCE OWNED AREA
PROPOSED SUBSTATION LOCATION
APN 073-140-012
SCE ISLA VISTA
SUBSTATION
24" CASING
10'x30' BORE
PIT LOCATION
GENTIE LINE
JACK & BORE
10'x10' RECEIVING
PIT LOCATION
APN 073-140-027
PROPOSED
PROJECT LOCATION
SCE OWNED AREA
STORKE ROAD
APN 073-140-026
CORTONA DR.
P/L
R/W
E


STORKE ROAD
APPROXIMATE
EXISTING GRADE
10'x10' RECEIVING
PIT LOCATION
GENTIE LINE
IN 24" CASING
33.5'±
10'x30' BORE
PIT LOCATION
R/W
0+00
0+25
0+50
0+75
1+00
1+25
1+50
1+75
2+00
2+25
2+50
2+75
2+99
30
40
50
60
70
80
90
100

GENTIE LINE SECTION

SCALE: 1" = 20' HORIZ. & VERT.


N
SCALE: 1"=40'
GRAPHIC SCALE
0
40
80
120

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REGISTERED PROFESSIONAL ENGINEER
ROBERT A. SCHMIDT
No. 37335
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STATE OF CALIFORNIA
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F&A
FLOWERS & ASSOCIATES, INC.
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CONSTRUCTION ENGINEERING
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GOLETA
ENERGY STORAGE

Developer:

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Development Plan / Tentative Parcel Map Drawings for:

Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:

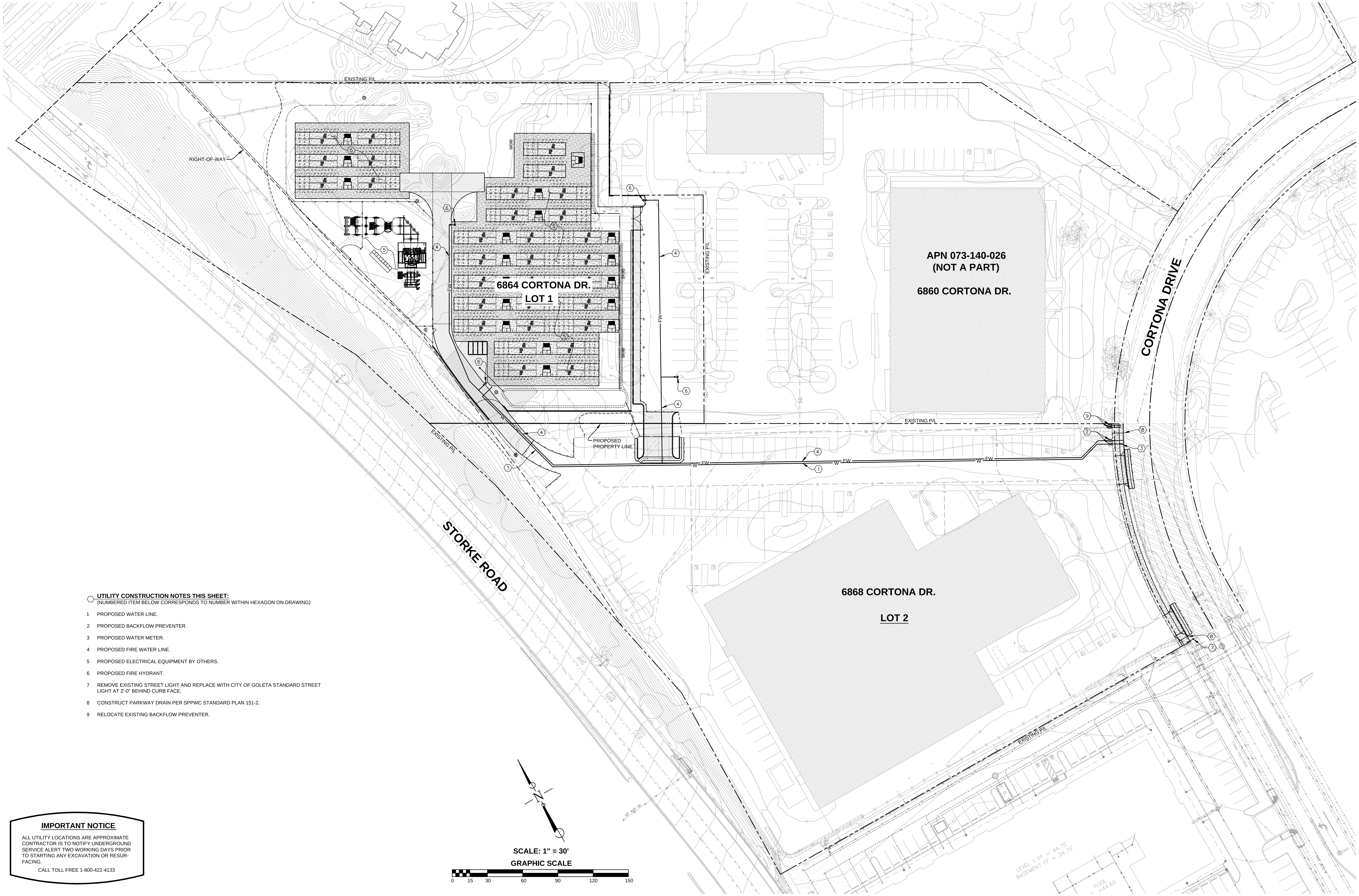
STORKE ROAD UTILITY PLAN

Date: January 22, 2021

Project Number: 1199-01-Tesla

Sheet Number:

C-6


EXISTING P/L
RIGHT-OF-WAY
6864 CORTONA DR.
LOT 1
EXISTING P/L
APN 073-140-026
(NOT A PART)
6860 CORTONA DR.
CORTONA DRIVE
EXISTING P/L
PROPOSED PROPERTY LINE
EXISTING P/L
STORKE ROAD
6868 CORTONA DR.
LOT 2
EXISTING P/L
FW
W
LEVEL 1 FF = 44.75'
BASEMENT FF = 34.75'
POOL
N
SCALE: 1" = 30'
GRAPHIC SCALE
0
15
30
60
90
120
150

UTILITY CONSTRUCTION NOTES THIS SHEET:
(NUMBERED ITEM BELOW CORRESPONDS TO NUMBER WITHIN HEXAGON ON DRAWING)

1 PROPOSED WATER LINE.

2 PROPOSED BACKFLOW PREVENTER.

3 PROPOSED WATER METER.

4 PROPOSED FIRE WATER LINE.

5 PROPOSED ELECTRICAL EQUIPMENT BY OTHERS.

6 PROPOSED FIRE HYDRANT.

7 REMOVE EXISTING STREET LIGHT AND REPLACE WITH CITY OF GOLETA STANDARD STREET LIGHT AT 2'-0" BEHIND CURB FACE.

8 CONSTRUCT PARKWAY DRAIN PER SPPWC STANDARD PLAN 151-2.

9 RELOCATE EXISTING BACKFLOW PREVENTER.

IMPORTANT NOTICE

ALL UTILITY LOCATIONS ARE APPROXIMATE CONTRACTOR IS TO NOTIFY UNDERGROUND SERVICE ALERT TWO WORKING DAYS PRIOR TO STARTING ANY EXCAVATION OR RESURFACING.

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Goleta, California 93117

Sheet Title:

PRELIMINARY UTILITY PLAN

Date: January 22, 2021

Project Number: 1199-01-Tesla

Sheet Number:

U-1

(E) SYCAMORE TREES TO REMAIN
DENSE TREES
1- 8" CEDAR
TOY
4- TOYON
1- 10" CEDAR
1- 14" SYCAMORE
1- 10" CEDAR
1- 12" SYCAMORE
1- OLIVE TREE TO BE TRANSPLANTED
1- TOYON
1- 12" SYCAMORE
1- 22" SYCAMORE
1- MELALUCA
1- MELALUCA TO BE REMOVED
1- OLIVE TREE TO BE TRANSPLANTED IF IS IN GOOD CONDITION
2- METROSIDEROS TO BE REMOVED
1- OLIVE TREE TO BE TRANSPLANTED IF IS IN GOOD CONDITION
2- METROSIDEROS TO BE REMOVED
1- OLIVE TREE TO BE TRANSPLANTED IF IN GOOD CONDITION
1- METROSIDEROS TO BE REMOVED
2- MELALUCAS TO BE REMOVED
3- (E) OLIVES TO BE REMOVED
2- (E) OLIVES TO BE REMOVED
(E)
EXISTING M-SPECIAL BREWING COMPANY 6860 CORTONA DRIVE
EXISTING BUILDING 6860 CORTONA DR
EXISTING BUILDING TO BE REOMOVED
EXISTING BUILDING 6868 CORTONA DRIVE
APN 073-140-027
APN 073-140-026
APN 073-140-027
DIRT PILES
BRUSH
TREES
ASPH
CONC
SHADOW
MISC
NORTH
N
Scale 1" = 20'-0"

Tree Preservation Plan

NORTH
Scale 1" = 20'-0"

PLANT LIST AND LEGEND

=EXISTING TREE TO REMAIN

=EXISTING TREE TO BE REMOVED

5	METROSIDEROS	VARIOUS SIZES
1	CEDAR TREES	10"
4	MELALUCA	VARIOUS SIZES
3	SYCAMORE TREES	22", 12", 12"
4	TOYON	VARIOUS SIZES
9	OLIVE	TO BE TRANSPLANTED IF THEY ARE IN GOOD CONDITION

N:\EFD1\Projects\Goleta Energy Storage-Cortona\Autocad\Base.dwg, 1/22/2021 10:41:02 AM

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ENERGY STORAGE

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Development Plan / Tentative Parcel Map Drawings for:
Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:
Tree Preservation Plan

SAM W. MAPHIS IV
No. 2703
Signature
Date

Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:
DP- L-1
PROGRESS SET

PLANTING NOTES

1. CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION WITH OWNER FOR LOCATION OF UNDERGROUND UTILITIES.
2. PLANT LIST IS FOR CONVENIENCE OF CONTRACTOR. PLAN IS TO PREVAIL AND LANDSCAPE ARCHITECT AND OWNER TO MAKE FINAL ADJUSTMENTS AS NECESSARY.
3. CONTRACTOR TO BE RESPONSIBLE FOR FULL IRRIGATION COVERAGE OF ALL PLANTED AREA.
4. IRRIGATION TO BE COORDINATED WITH PLANTING PLAN.
5. ALL PLANTER AREAS SHALL BE AMENDED WITH 4 CU. YDS. OF FOREST HUMUS MULCH AND 150 LBS. OF GRO-POWER PLUS, PER 1,000 SQ. FT. OF PLANTED AREA. PLANTER MIX TO BE 50% NATIVE MIX SOIL AND 50% PLANTER MIX ABOVE FOR ALL BACK FILL OF NEW PLANTS.
6. PLANT MATERIAL MAY BE SUBJECT TO CHANGE AS PER OWNER OR LANDSCAPE ARCHITECTS DISCRETION.
7. ANY CLARIFICATION OR QUESTIONS ON PLANS, SPECIFICATIONS AND DETAILS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH WORK.
8. ALL PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED CEDAR/ REDWOOD MULCH AT A DEPTH OF 3".
8. ALL PLANTINGS TO BE PLANTED IN GOPHER BASKETS

PLANTING LIST

SYM	SIZE	QTY	WUCOLS PLANT FACTOR	BOTANICAL NAME	COMMON NAME
TREES					
CED DEO	24" Box	6	L	CEDRUS DEODORA	DEODAR CEDAR
LYO FLO	24" Box	6	VL	LYONOTHAMNUS F. ASPLENIFOLIUS	FERNLEAF CATALINA IRONWOOD
MET EXC	24" Box	3	L	METROSIDEROS EXCELSUS	NEW ZEALAND CHRISTMAS TREE
PLA RAC	24" Box	2	M	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE
QUE AGR	24" Box	9	L	QUERCUS AGRIFOLIA	CALIFORNIA LIVE OAK
SHRUBS AND HERBACEOUS					
HET ARB	5g	36	L	HETEROMELES ARBUTIFOLIA	TOYON
MUH RIG	1g	227	L	MUHLENBERGIA RIGENS	DEER GRASS
PEN MAS	1g	95	L	PENNISETUM MASIACUM	BUNNY TAILS FOUNTAIN GRASS
RHA ALA	5g	22	L	RHAMNUS ALATERNUS	ITALIAN BUCKTHORN
RHU INT	5g	54	L	RHUS INTEGRIFOLIA	LEMONADE BERRY
BIO SWALE					
CHO TEC	15g	15	M	CHONDROPETALUM TECTORUM	CAPE RUSH
JUN PAT	1g	50	L	JUNCUS PATENS	CALIFORNIA GRAY SEDGE

PROPOSED THREE STORY APARTMENT BUILDING
EXISTING RAILROAD TRACKS
EXISTING OVERPASS
S74°34'00"W
71.36'
6' HIGH MASONRY WALL AT PROPERTY LINE BY ADJACENT PROJECT
30- HET ARB
6- CED DEO
N61°47'04"W
3" OF MULCH UNDER ALL PLANTING (TYP.)
3- QUE AGR
8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE
1- PLA RAC
4- RHU INT
2- LYO FLO
EXISTING SLOPE TO REMAIN
LIMITS OF CONSTRUCTION
342.84'
S29°35'53"E
TOY
3- RHU INT
PROPOSED LIGHT POLE W/ POWER OUTLETS (TYP.)
8' HIGH CHAIN LINK FENCE
PROPOSED SONAR SUBSTATION LOCATION
16' WIDE ALL-WEATHER GRAVEL FIRE ACCESS ROAD WITH MODIFIED HAMMERHEAD TURN AROUND
2- QUE AGR
6- RHU INT
1- LYO FLO
EXISTING SYCAMORE TO REMAIN
5- RHU INT
REMOVE (E) TREE
3- LYO FLO
108- MUH RIG
PROPOSED LIGHT POLE WITH POWER OUTLETS (TYP.)
18- MUH RIG
2- RHU INT
1- HET ARB
22- MUH RIG
1- PLA RAC
3- HET ARB
13- MUH RIG
2- QUE AGR
8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE
N28°12'54"E 95.94'
N62°00'00"W 79.51'
EXISTING M-SPECIAL BREWING COMPANY 6860 CORTONA DRIVE
PATH OF TRAVEL FOR LOW BOW WITH 50' INSIDE RADIUSES
SECONDARY ACCESS TO CORTONA DRIVE
(THROUGH EXISTING RECIPROCAL ACCESS EASEMENT)
EXISTING LANDSCAPE TO REMAIN
DOUBLE 10' WIDE 8' HIGH SECONDARY ACCESS GATES TO BE PROVIDED IN THIS LOCATION WITH KNOX LOCK
EXISTING PARKING LOT
EXISTING LANDSCAPE AND BIO RETENTION BASINS TO REMAIN
8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE
99- PEN MAS
22- RHA ALA
RH
(E)
EXISTING PARKING AREA
9- MUH RIG
PROPOSED LIGHT POLE WITH POWER OUTLETS (TYP.)
EXISTING LANDSCAPE AND BIO RETENTION BASINS TO REMAIN
1- QUE AGR
3" OF MULCH UNDER ALL PLANTING (TYP.)
8' HIGH ORNAMENTAL METAL NO-CLIMB FENCE
45- JUN PAT
194.50'
N28°00'00"E
6860 CORTONA DR. BUILDING A APN 073-140-026
EXISTING PARKING LOT
EXISTING PARKING AREA
EXISTING LANDSCAPE TO REMAIN
12' WIDE SWING GATE
20' WIDE ROLLING GATE
TRANSFORMERS (TYP.)
8' HIGH CHAIN LINK SECURITY FENCE WITH SLATS
EXISTING RIGHT-OF-WAY LINE (USED FOR SITE NET SQUARE FOOTAGE)
4' WIDE MAN GATE
PROPOSED LIGHT POLE W/ POWER OUTLETS (TYP.)
5- MUH RIG
NEW DETENTION BASIN
45- JUN PAT
11- CHO TEC
EXISTING EDGE OF PAVEMENT AT STORKE ROAD
PROPERTY LINE (USED FOR SITE GROSS SQUARE FOOTAGE)
S18°34'05"E
85.00'
161.81'
NEW SWING GATE
STORKE ROAD
LIMITS OF CONSTRUCTION
3" OF MULCH UNDER ALL PLANTING (TYP.)
42- MUH RIG
2- HET ARB
1- QUE AGR
7- RHU INT
6- MUH RIG
2- MET EXC
N61°45'04"W
233.83'
4- CHO TEC
7- MUH RIG
ACCESS TO CORTONA DRIVE
(THROUGH PROPOSED RECIPROCAL ACCESS EASEMENT)
N

Landscape Plan

NORTH
Scale 1" = 20'-0"

N:\EFD1\Projects\Goleta Energy Storage-Cortona\Autocad\Base.dwg, 1/22/2021 10:39:18 AM

ARCHITECTURE
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GOLETA
ENERGY STORAGE

Developer:
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Development Plan / Tentative Parcel Map Drawings for:
Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:
Landscape Plan

SAM W. MAPHIS IV
No. 2703
Signature
Date

Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:
DP- L-2
PROGRESS SET

WATER EFFICIENT LANDSCAPE WORKSHEET

Goleta Energy storage
6864 & 6868 Cortona Drive
Goleta, CA
1/19/21

Prepared according to the California Code of Regulations, Chapter 2.7. Model Water Efficient Landscape Ordinance (rev. 12/1/15)
by Earthform Design, Landscape Architects.

Reference evapotranspiration (Eto) for Santa Barbara **40.6**

SECTION A. HYDROZONE INFORMATION TABLE ---

HYDRO ZONE #	PLANT TYPE	Wucols plant factor (PF)	irrigation method	irr. effic. (IE)	ETAF (PF/IE)	area (HA) (sq ft)		ETAF x Area		Estimated Total water Use (ETWU)	% of landscape
										Eto x 0.62 x ETAF x Area	
Regular Landscape Areas											
1	low use, shrubs and groundcovers	0.3	Drip	0.81	0.37	13,337		4940		124,340	86.7%
2	medium use shrubs (BIO SWALE)	0.4	SPRAY	0.75	0.53	1,582		844		21,238	10.3%
3	Low use trees	0.3	Drip	0.81	0.37	384		142		3,580	2.5%
4	medium use trees	0.4	Drip	0.81	0.49	80		40		994	0.5%
					TOTALS	15,383	(A)	5965	(B)	150,153	100.00%
Special Landscape areas (SLA)											
	n/a				1	0	(C)	0	(D)		

TOTAL LANDSCAPE AREA	15383	
TOTAL ETAF		5965
ETWU TOTAL		**150,153**
MAWA TOTAL		**174,249**

ETWU COMPLIES WITH MAWA

MAXIMUM APPLIED WATER ALLOWANCE (MAWA) CALCULATIONS

MAWA = (Eto) (0.62) [(0.55 x LA) + ((1-ETAF) x SLA)]
Annual Eto for Santa Barbara is 40.6
where:

MAWA	Maximum Applied Water Allowance (gallons per year)
Eto	Referemce Evapotranspiration from Appendix A (inches per year)
0.55	ET Adjustment Factor (ETAF) *revised effective June 1, 2015* FOR RESIDENTIAL AREAS
0.45	ET Adjustment Factor (ETAF) *revised effective June 1, 2015* FOR COMMERCIAL AREAS
LA	Landscaped Area includes Special Landscape Area (square feet)
0.62	Conversion factor (to gallons per square foot)
SLA	Portion of the landscape area identified as Special Landscape Area (square feet)
0.45	the additional ET Adjustment Factor for Special Landscape Area * revised effective June 1, 2015* AND FOR NON RESIDENTIAL AREAS
ETAF	Estimated Total Adjustment Factor

MAWA CALCULATIONS:

Eto		conv. Factor	ETAF		LA		1-ETAF		SLA		
40.6	x	0.62	0.45	x	15,383	+	1-.45		0		
							0.55		0		
		25		**x**	**6922**	**+**	**0**				
								total			**174,249**

ESTIMATED TOTAL WATER USE (ETWU) CALCULATIONS:
ETWU = (Eto)(0.62) (ETAF) (AREA)
Annual Eto for Santa Barbara is 40.6
where:

ETWU = Estimated total water use per year (gallons per year)
ETo = Reference Evapotranspiration (inches per year)
PF = Plant Factor from WUCOLS

HA = Hydrozone Area [high, medium, and low water use areas] (square feet)
0.62 = Conversion Factor
IE = Irrigation Efficiency (minimum 0.71)
SLA = Special Landscape Area (square feet)
ETAF = EvapoTranspiration Adjustment Factor

ETAF CALCULATIONS:

Regular Landscape Areas

TOTAL ETAF X Area	(B)	5,965
TOTAL Area	(A)	15,383
Average ETAF	B / A	**0.39**

AVERAGE ETAF FOR REGULAR LANDSCAPE AREAS
MUST BE 0.55 OR BELOW FOR RESIDENTIAL AREAS, AND
0.45 OR BELOW FOR NON-RESIDENTIAL AREAS

All Landscape Areas

TOTAL ETAF X Area	(B + D)	5965
TOTAL Area	(A + C)	15383
Sitewide ETAF	(B+D) / (A + C)	**0.39**

HYDRO ZONE LEGEND

ZONE 1 =13,337 S.F. LOW USE SHRUBS AND GROUNDCOVERS	🟩
ZONE 2 =1,582 S.F. MEDIUM USE SHRUBS	🟧
ZONE 3 =384 S.F. LOW USE TREES	🟦
ZONE 4 =80 S.F. MEDIUM USE TREES	🟥

TOTAL LANSCAPE AREA: =15,383 S.F.

1
2
3
N61°47'06"W
454.14'
S74°34'00"W
71.36'
342.84'
S29°35'53"E
S18°39'05"E
25.00'
161.81'
N28°12'54"E
95.94'
N62°00'00"W
79.51'
194.50'
N28°00'00"E
N61°45'04"W
233.83'
TOY
RH
(E)
EXISTING M-SPECIAL
BREWING COMPANY
6860 CORTONA DRIVE
SECONDARY ACCESS
TO CORTONA DRIVE
6860 CORTONA DR.
BUILDING A
APN 073-140-026
ACCESS TO CORTONA DRIVE
N
NORTH

Hydro-zone Plan

Scale 1" = 20'-0"

ARCHITECTURE
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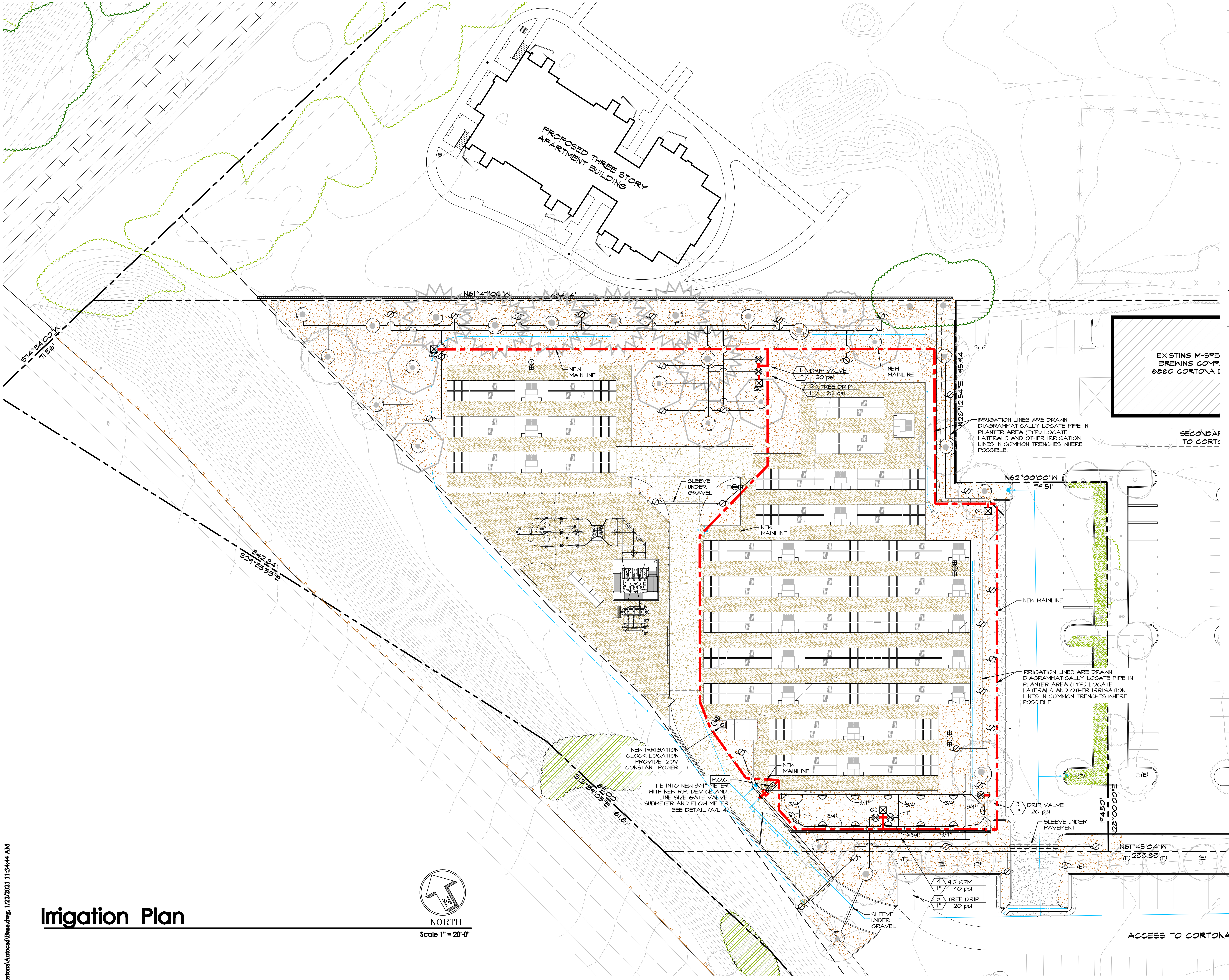
Sheet Title:
Hydrozone Plan

SAM W. MAPHIS IV
No. 2703
Signature
Date

Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:
DP- L-3
PROGRESS SET

N:\EFD1\Projects\Goleta Energy Storage-Cortona\Autocad\Base.dwg, 1/22/2021 10:57:51 AM


PROPOSED THREE STORY APARTMENT BUILDING
N61°47'01"W
454.14'
S74°34'00"W
71.36'
342.84'
S29°35'53"E
S18°39'05"E
85.00'
161.81'
NEW MAINLINE
1 1" DRIP VALVE 20 psi
2 1" TREE DRIP 20 psi
QC
NEW MAINLINE
95.94'
N28°12'54"E
IRRIGATION LINES ARE DRAWN DIAGRAMMATICALLY LOCATE PIPE IN PLANTER AREA (TYP.) LOCATE LATERALS AND OTHER IRRIGATION LINES IN COMMON TRENCHES WHERE POSSIBLE.
EXISTING M-SPE
BREWING COMP
6860 CORTONA I
SECONDAR
TO CORTO
N62°00'00"W
79.51'
SLEEVE UNDER GRAVEL
NEW MAINLINE
NEW MAINLINE
IRRIGATION LINES ARE DRAWN DIAGRAMMATICALLY LOCATE PIPE IN PLANTER AREA (TYP.) LOCATE LATERALS AND OTHER IRRIGATION LINES IN COMMON TRENCHES WHERE POSSIBLE.
NEW IRRIGATION CLOCK LOCATION PROVIDE 120V CONSTANT POWER
P.O.C.
TIE INTO NEW 3/4" METER WITH NEW R.P. DEVICE AND, LINE SIZE GATE VALVE, SUBMETER AND FLOW METER SEE DETAIL (A/L-4)
NEW MAINLINE
3/4"
1"
3 1" DRIP VALVE 20 psi
SLEEVE UNDER PAVEMENT
194.50'
N28°00'00"E
N61°45'04"W
233.83'
(E)
4 1" 9.2 GPM 40 psi
5 1" TREE DRIP 20 psi
SLEEVE UNDER GRAVEL
ACCESS TO CORTONA DRIVE
NORTH
N

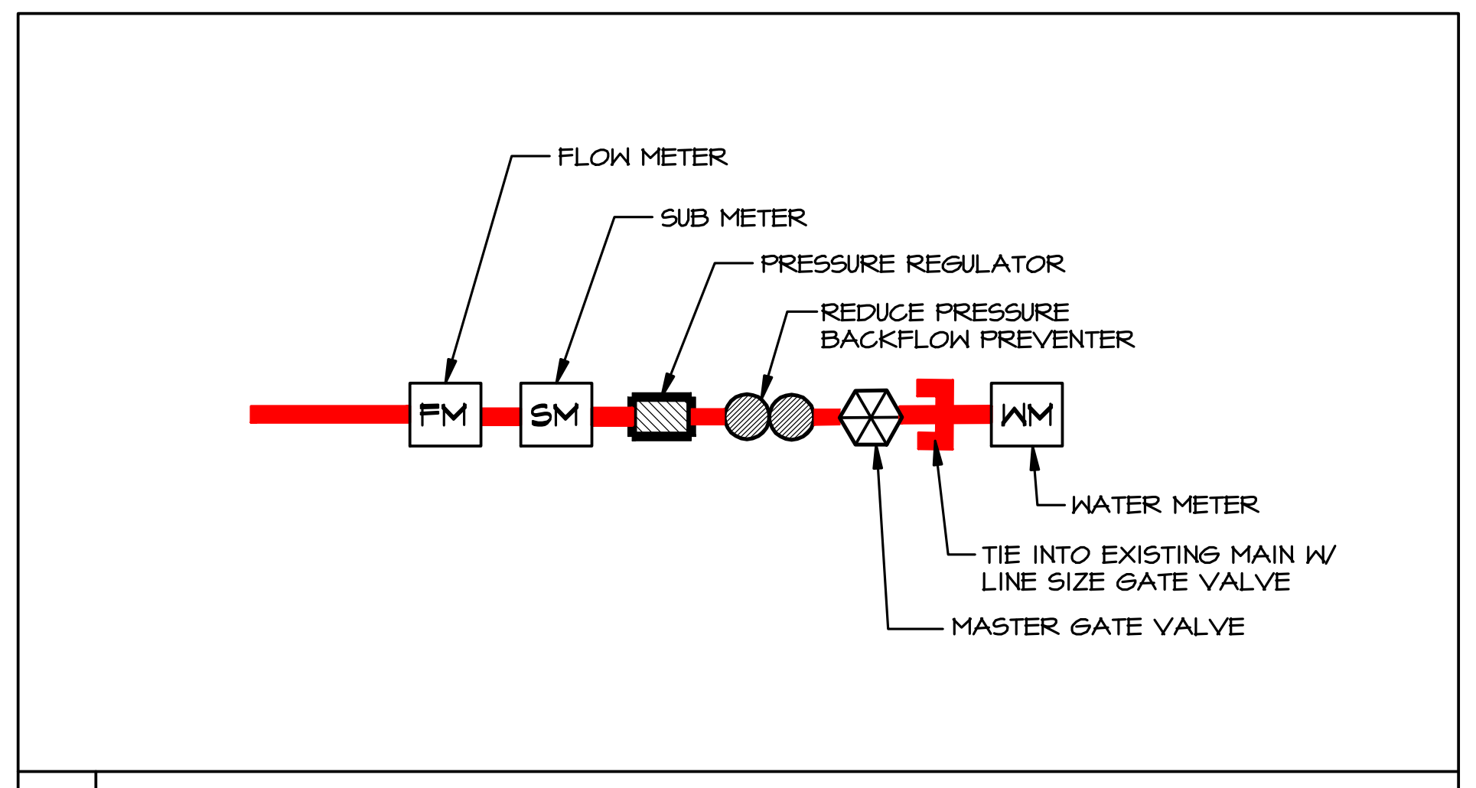
Irrigation Plan

Scale 1" = 20'-0"

IRRIGATION LEGEND

SYMBOL	MANUFACTURER/ DESCRIPTION
A/L-3 P.O.C.	POINT OF CONNECTION AT PROPERTY, CONTRACTOR TO VERIFY SIZE OF METER
⊛	LINE SIZE MANUAL GATE VALVE (NIBCO 7-113)
●●	REDUCE PRESSURE BACKFLOW PREVENTER (FEBCO 825Y) AS NEEDED
▨	PRESSURE REGULATOR (WILKINS 600) SET AT OPTIMUM PRESSURE FOR HEAD PERFORMANCE AS NEEDED (85 psi) VERIFY ON SITE.
⊗	RAINBIRD PGA SERIES, PLASTIC ELECTRIC VALVE.
FM	FLOW METER- (HUNTER FLOW CLICK) INSTALLED PER MANUFACTURE'S INSTRUCTIONS.
☒HB	HOSE BIB (CHAMPION B401- 3/4"x3/4" WHEEL HANDLE HOSE BIB)
C	WEATHER BASE SMART IRRIGATION CONTROLLER
🟥	IRRIGATION MAIN (SCHEDULE 40 PVC PRESSURE LINE) BURY 18" TYPICAL.
—	SCHED. 40 PVC LATERAL SEE SIZING CHART.
═	CLASS 200 PVC SLEEVING UNDER ALL PAVING TYP. 24" BELOW TOP OF SURFACE
∂	DRIP RISER CONNECTOR 2 GPH EMITTERS
○	TREE DRIP CIRCLE WITH EMITTERS

SYMBOL	MANUFACTURER/ DESCRIPTION	PSI	GPM	RADIUS
◔	HUNTER PRO SPRAY PRS40- 12" POP UP W/ MP2000 ADJUSTABLE NOZZLE	40	.43	20'
◓	HUNTER PRO SPRAY PRS40- 12" POP UP W/ MP2000 ADJUSTABLE NOZZLE	40	.77	19'


FLOW METER
SUB METER
PRESSURE REGULATOR
REDUCE PRESSURE BACKFLOW PREVENTER
FM
SM
WM
WATER METER
TIE INTO EXISTING MAIN W/ LINE SIZE GATE VALVE
MASTER GATE VALVE

A POINT OF CONNECTION (P.O.C.) DETAIL — NOT TO SCALE

IRRIGATION NOTES:

1. CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION WITH OWNER ON LOCATION OF EXISTING UNDERGROUND UTILITY AND IRRIGATION LOCATIONS.
2. CONTRACTOR TO BE RESPONSIBLE FOR FULL IRRIGATION COVERAGE OF ALL PLANTED AREAS. (LAWN, TREES, SHRUBS, AND GROUND COVER.)
3. IRRIGATION PLAN TO BE COORDINATED WITH PLANTING PLAN. AND ADJUSTMENTS MADE IN THE FIELD
4. IN CASE OF DISCREPANCY, CONTACT LANDSCAPE ARCHITECT IMMEDIATELY, BEFORE PROCEEDING WITH WORK.
5. PRESSURE AT MAIN WATER SUPPLY TO BE VERIFIED BEFORE PROCEEDING. PRESSURE TEST NEW IRRIGATION MAIN FOR 24 HOURS BEFORE BACK FILL COVERING. A PRESSURE REGULATOR MAY BE NECESSARY FOR OPTIMUM SYSTEM PERFORMANCE.
6. ALL IRRIGATION LINES ARE DRAWN DIAGRAMMATICALLY AND SHOULD BE LOCATED IN COMMON TRENCHES AND PLANTING AREAS WHERE POSSIBLE.
7. SLEEVE UNDER PAVING (CLASS 200 PVC MIN.)- 24" UNDER PAVING
8. INSTALL ALL IRRIGATION EQUIP. AS PER MANUFACTURER'S INSTRUCTUIONS.
9. USE GREEN OR BLACK PLASTIC (AMTEK, CARSON OR EQUAL) VALVE BOXES. ONE VALVE PER BOX.

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ARCHITECTURE
CIVIL ENGINEERING
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Consultant:
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TEL:(805) 963-2006 FAX:(805) 963-8335

GOLETA ENERGY STORAGE

Developer:
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8614 Westwood Center Drive, Suite 1800
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Development Plan / Tentative Parcel Map Drawings for:
Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:
Schematic Irrigation Plan

SAM W. MAPHIS IV
No. 2703

Date: January 22, 2021
Project Number: 1199-01-Tesla
Sheet Number:
DP- L-4
PROGRESS SET

Schedule

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
☐	S1	0	Lithonia Lighting	DSX0 LED P3 40K RCCO MVOLT, SSS 18' 4C DM19AS FGL	DSX0 LED P3 40K RCCO MVOLT, Festoon GFI Outlet, Less Electric	LED	1	5153	0.95	71
☐	S2	1	Lithonia Lighting	DSX0 LED P3 40K T3M MVOLT, SSS 18' 4C DM19AS FGL	DSX0 LED P3 40K T3M MVOLT, Festoon GFI Outlet, Less Electric	LED	1	8205	0.95	71
▭	S3	1	Lithonia Lighting	DSX0 LED P3 40K TFTM MVOLT HS	DSX0 LED P3 40K TFTM MVOLT with houseside shield	LED	1	6595	0.95	71
☐ ☐	S4	3	Lithonia Lighting	DSX0 LED P3 40K T3M MVOLT, SSS 18' 4C DM28AS FGL	DSX0 LED P3 40K T3M MVOLT, Festoon GFI Outlet, Less Electric	LED	1	8205	0.95	142

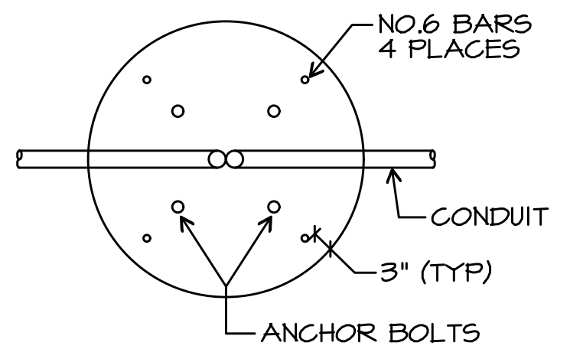
Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PROPERTY LINE	+	0.1 fc	0.3 fc	0.0 fc	N/A	N/A
SITE	+	0.7 fc	3.5 fc	0.0 fc	N/A	N/A

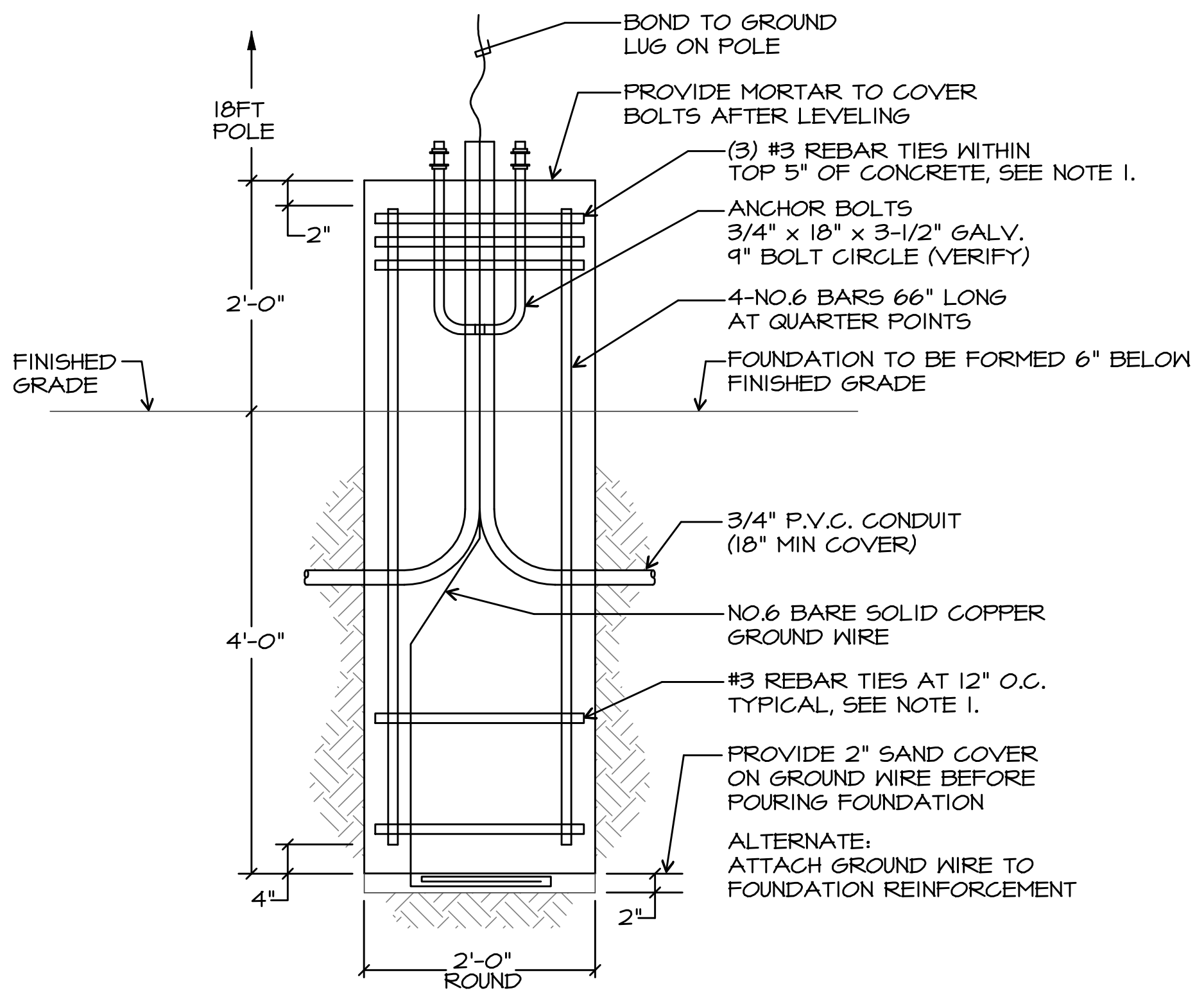
LIGHTING NOTES:

1 FIXTURES MOUNTED AT 20FT, ABOVE FINISHED GRADE

2 CONTRACTOR SHALL PROVIDE AND INSTALL SWITCH AND GFCI RECEP AT EACH LIGHT POLE (LEVITON GFSWI) WITH WEATHERPROOF, WHILE-IN-USE COVER (LEVITON 5980-UCL)


NO.6 BARS
4 PLACES
CONDUIT
3" (TYP)
ANCHOR BOLTS

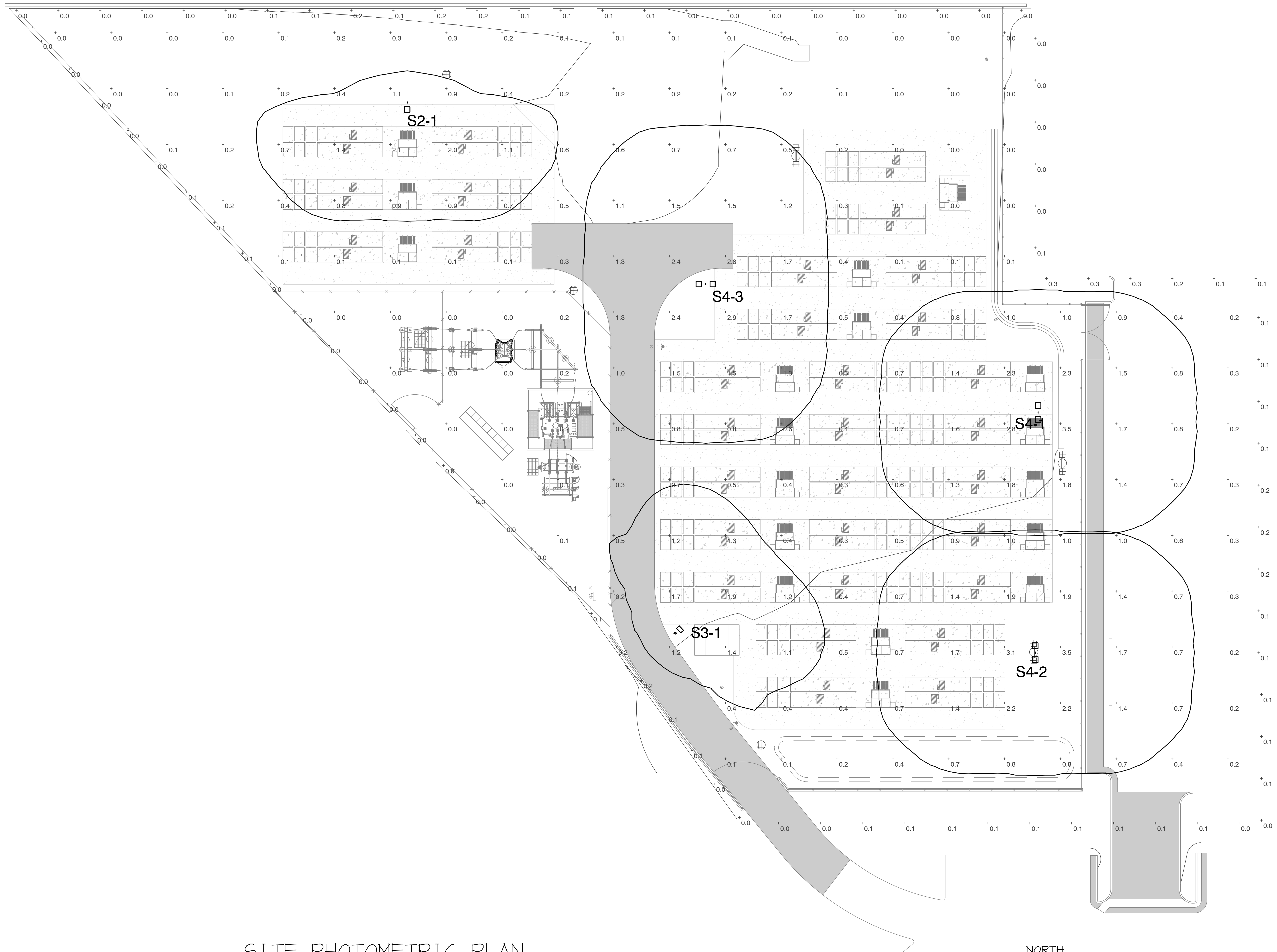
PLAN VIEW


BOND TO GROUND LUG ON POLE
18FT POLE
PROVIDE MORTAR TO COVER BOLTS AFTER LEVELING
(3) #3 REBAR TIES WITHIN TOP 5" OF CONCRETE, SEE NOTE 1.
2"
ANCHOR BOLTS 3/4" x 18" x 3-1/2" GALV. 9" BOLT CIRCLE (VERIFY)
2'-0"
4-NO.6 BARS 66" LONG AT QUARTER POINTS
FINISHED GRADE
FOUNDATION TO BE FORMED 6" BELOW FINISHED GRADE
3/4" P.V.C. CONDUIT (18" MIN COVER)
NO.6 BARE SOLID COPPER GROUND WIRE
4'-0"
#3 REBAR TIES AT 12" O.C. TYPICAL, SEE NOTE 1.
PROVIDE 2" SAND COVER ON GROUND WIRE BEFORE POURING FOUNDATION
ALTERNATE: ATTACH GROUND WIRE TO FOUNDATION REINFORCEMENT
4"
2"
2'-0" ROUND

NOTES

1. TIES SHALL HAVE AT EACH END A 135 DEGREE HOOK BEND WITH A SIX-BAR DIAMETER BUT NOT LESS THAN 3 INCH EXTENSION THAT ENGAGES THE LONGITUDAL REINFORCEMENT AND PROJECTS INTO THE INTERIOR OF THE STIRRUP OR HOOP.

LIGHT STANDARD FDN. DET. (B)


S2-1
S4-3
S4-1
S3-1
S4-2
NORTH

SITE PHOTOMETRIC PLAN

SCALE: 1" = 20'-0"   0 5 10 20 40

ARCHITECTURE
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19578

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Development Plan and Tentative Parcel Map Drawings for:

Goleta Energy Storage
6864 Cortona Drive
Goleta, California 93117

Sheet Title:

Site Photometric Plan

Date: Jan 21, 2021

Project Number: 1199-01-Tesla

Sheet Number:

E-1

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D-Series Size 0
LED Area Luminaire

Catalog Number	
Notes	
Type	

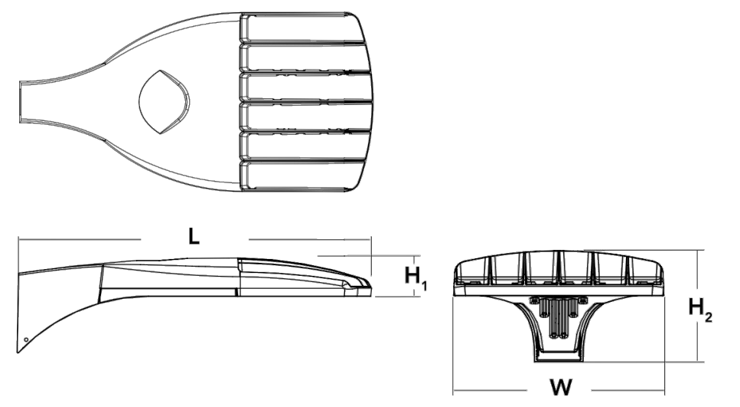
Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

Specifications

EPA:	0.95 ft² (.09 m²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height₁:	3" (7.62 cm)
Height₂:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

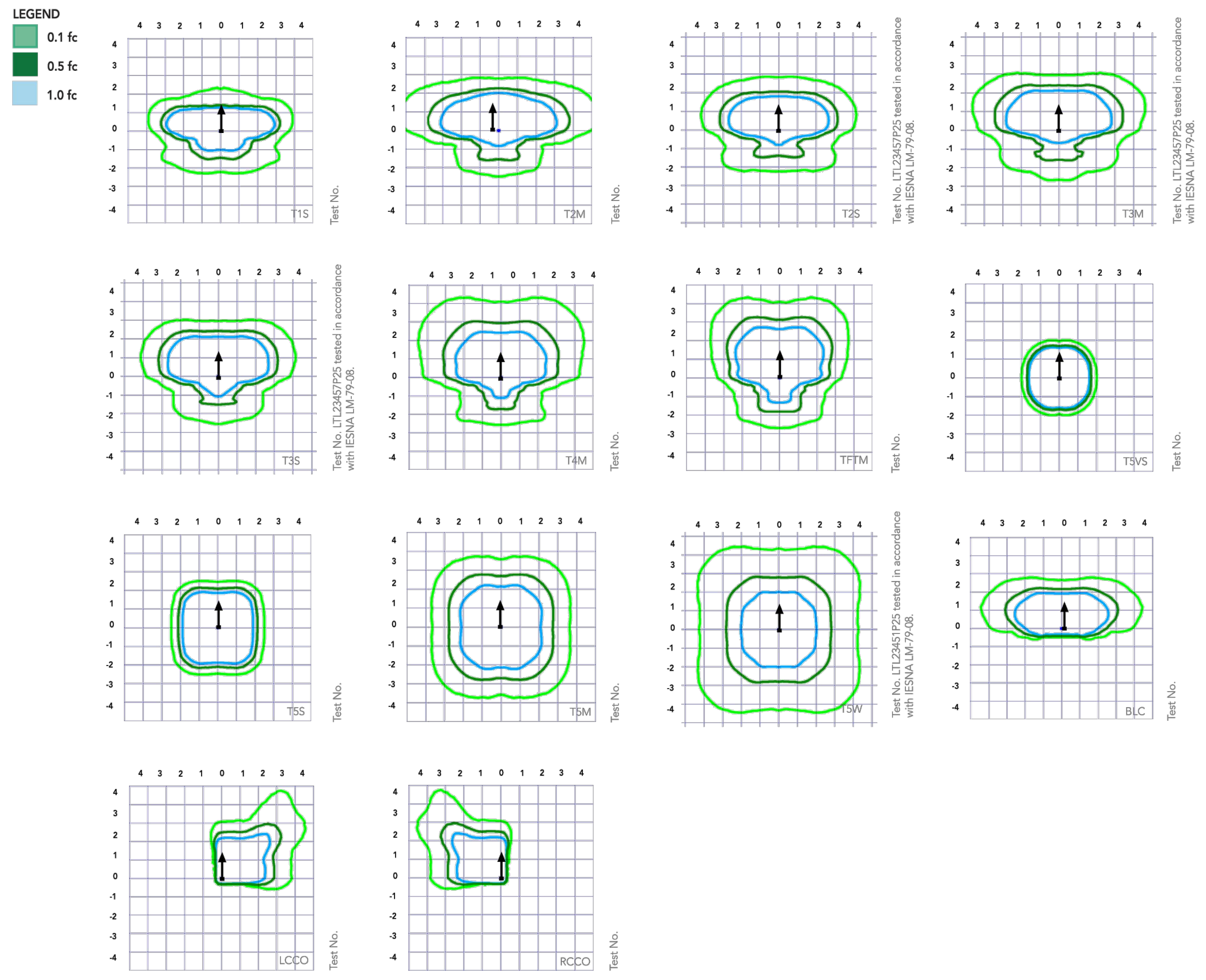
DSX0 LED	P3	30K	SEE FIXTURE SCHED.		MVOLT	SPA	
Series	LEDs	Color temperature	Distribution		Voltage	Mounting	
DSX0 LED	**Forward optics** P1 P4 P7 P2 P5 P3 P6 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short[2]	T5S Type V short[2] T5M Type V medium[2] T5W Type V wide[2] BLC Backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT[4,5] 120[5] 208[5] 240[5] 277[5] 347[5,6] 480[5,6]	**Shipped included**	
						SPA	Square pole mounting
						RPA	Round pole mounting
						WBA	Wall bracket[2]
						SPUMBA	Square pole universal mounting adaptor[7]
						RPUMBA	Round pole universal mounting adaptor[7]
						Shipped separately	
						KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish)[8]

PER 5						DDBXD	
Control options				Other options		Finish (required)	
Shipped installed		PIR	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[15,16]	**Shipped installed**		DDBXD	Dark bronze
NLTAIR2	nLight AIR generation 2 enabled[9,10]	PIRH	High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[15,16]	HS	House-side shield[18]	DBLXD	Black
PIRHN	Network, high/low motion/ambient sensor[11]	PIR1FC3V	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[15,16]	SF	Single fuse (120, 277, 347V)[5]	DNAXD	Natural aluminum
PER	NEMA twist-lock receptacle only (control ordered separate)[12]	PIRH1FC3V	High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[15,16]	DF	Double fuse (208, 240, 480V)[5]	DWHXD	White
PER5	Five-pin receptacle only (control ordered separate)[12,13]	FAO	Field adjustable output[17]	L90	Left rotated optics[1]	DDBTXD	Textured dark bronze
PER7	Seven-pin receptacle only (leads exit fixture) (control ordered separate)[12,13]			R90	Right rotated optics[1]	DBLBXD	Textured black
DMG	0-10V dimming extend out back of housing for external control (control ordered separate)[14]			DDL	Diffused drop lens[18]	DNATXD	Textured natural aluminum
				Shipped separately		DWHGXD	Textured white
				BS	Bird spikes[19]		
				EGS	External glare shield		

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 0 homepage.

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	20	530	38W	T1S	4,369	1	0	1	115	4,706	1	0	1	124	4,766	1	0	1	125
				T2S	4,364	1	0	1	115	4,701	1	0	1	124	4,761	1	0	1	125
				T2M	4,387	1	0	1	115	4,726	1	0	1	124	4,785	1	0	1	126
				T3S	4,248	1	0	1	112	4,577	1	0	1	120	4,634	1	0	1	122
				T3M	4,376	1	0	1	115	4,714	1	0	1	124	4,774	1	0	1	126
				T4M	4,281	1	0	1	113	4,612	1	0	2	121	4,670	1	0	2	123
				TFTM	4,373	1	0	1	115	4,711	1	0	2	124	4,771	1	0	2	126
				T5VS	4,548	2	0	0	120	4,900	2	0	0	129	4,962	2	0	0	131
				T5S	4,552	2	0	0	120	4,904	2	0	0	129	4,966	2	0	0	131
				T5M	4,541	3	0	1	120	4,891	3	0	1	129	4,953	3	0	1	130
				T5W	4,576	3	0	2	120	4,929	3	0	2	130	4,992	3	0	2	131
				BLC	3,586	1	0	1	94	3,863	1	0	1	102	3,912	1	0	1	103
				LCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
				RCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
P2	20	700	49W	T1S	5,570	1	0	1	114	6,001	1	0	1	122	6,077	2	0	2	124
				T2S	5,564	1	0	2	114	5,994	1	0	2	122	6,070	2	0	2	124
				T2M	5,593	1	0	1	114	6,025	1	0	1	123	6,102	1	0	1	125
				T3S	5,417	1	0	2	111	5,835	1	0	2	119	5,909	2	0	2	121
				T3M	5,580	1	0	2	114	6,011	1	0	2	123	6,087	1	0	2	124
				T4M	5,458	1	0	2	111	5,880	1	0	2	120	5,955	1	0	2	122
				TFTM	5,576	1	0	2	114	6,007	1	0	2	123	6,083	1	0	2	124
				T5VS	5,799	2	0	0	118	6,247	2	0	0	127	6,327	2	0	0	129
				T5S	5,804	2	0	0	118	6,252	2	0	0	128	6,332	2	0	1	129
				T5M	5,789	3	0	1	118	6,237	3	0	1	127	6,316	3	0	1	129
				T5W	5,834	3	0	2	119	6,285	3	0	2	128	6,364	3	0	2	130
				BLC	4,572	1	0	1	93	4,925	1	0	1	101	4,987	1	0	1	102
				LCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
				RCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
P3	20	1050	71W	T1S	7,833	2	0	2	110	8,438	2	0	2	119	8,545	2	0	2	120
				T2S	7,825	2	0	2	110	8,429	2	0	2	119	8,536	2	0	2	120
				T2M	7,865	2	0	2	111	8,473	2	0	2	119	8,580	2	0	2	121
				T3S	7,617	2	0	2	107	8,205	2	0	2	116	8,309	2	0	2	117
				T3M	7,846	2	0	2	111	8,452	2	0	2	119	8,559	2	0	2	121
				T4M	7,675	2	0	2	108	8,269	2	0	2	116	8,373	2	0	2	118
				TFTM	7,841	2	0	2	110	8,447	2	0	2	119	8,554	2	0	2	120
				T5VS	8,155	3	0	0	115	8,785	3	0	0	124	8,896	3	0	0	125
				T5S	8,162	3	0	1	115	8,792	3	0	1	124	8,904	3	0	1	125
				T5M	8,141	3	0	2	115	8,770	3	0	2	124	8,881	3	0	2	125
				T5W	8,204	3	0	2	116	8,838	4	0	2	124	8,950	4	0	2	126
				BLC	6,429	1	0	2	91	6,926	1	0	2	98	7,013	1	0	2	99
				LCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
				RCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
P4	20	1400	92W	T1S	9,791	2	0	2	106	10,547	2	0	2	115	10,681	2	0	2	116
				T2S	9,780	2	0	2	106	10,536	2	0	2	115	10,669	2	0	2	116
				T2M	9,831	2	0	2	107	10,590	2	0	2	115	10,724	2	0	2	117
				T3S	9,521	2	0	2	103	10,256	2	0	2	111	10,386	2	0	2	113
				T3M	9,807	2	0	2	107	10,565	2	0	2	115	10,698	2	0	2	116
				T4M	9,594	2	0	2	104	10,335	2	0	3	112	10,466	2	0	3	114
				TFTM	9,801	2	0	2	107	10,558	2	0	2	115	10,692	2	0	2	116
				T5VS	10,193	3	0	1	111	10,981	3	0	1	119	11,120	3	0	1	121
				T5S	10,201	3	0	1	111	10,990	3	0	1	119	11,129	3	0	1	121
				T5M	10,176	4	0	2	111	10,962	4	0	2	119	11,101	4	0	2	121
				T5W	10,254	4	0	3	111	11,047	4	0	3	120	11,186	4	0	3	122
				BLC	8,036	1	0	2	87	8,656	1	0	2	94	8,766	1	0	2	95
				LCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71
					5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire.
   Sold Separately: Link to Roam; Link to DTL DLL

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft²) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX0 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS
The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Check with factory for Canadian specifications. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION — Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, .1196"), or 50 KSI (7-gauge, .1793"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: A flush non-metalic black top cap is provided for all poles that will receive drilling patterns for side-mount luminaire arm assemblies or when ordered with PT option.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/ Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE – All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH – Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

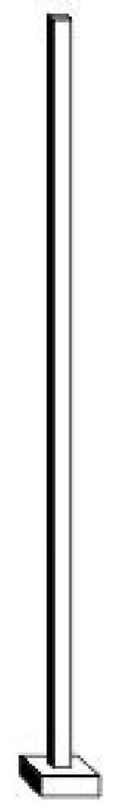
NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

Catalog Number	
Notes	
Type	

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL



SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDB

SSS	18FT	4C	DM28AS		FDL1-6 C		DDBXD	
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness[1]	Mounting[2]		Options		Finish[10]	
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) See technical information table for complete ordering information.)	4C 4" 11g (.1196") 4G 4" 7g (.1793") 5C 5" 11g (.1196") 5G 5" 7g (.1793") 6G 6" 7g (.1793") See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3] DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90°	AERIS™ Suspend drill mounting[3,4] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting[3,4] DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	Shipped installed		Standard colors	
					L/AB	Less anchor bolts (Include when anchor bolts are not needed)	DDBXD	Dark bronze
					VD	Vibration damper	DWHXD	White
					TP	Tamper resistant handhole cover fasteners	DBLXD	Black
					HAxy	Horizontal arm bracket (1 fixture)[5,6]	DMBXD	Medium bronze
					FDLxy	Festoon outlet less electrical[5]	DNAXD	Natural aluminum
					CPL12/xy	1/2" coupling[5]	Classic colors	
					CPL34/xy	3/4" coupling[5]	DSS	Sandstone
					CPL1/xy	1" coupling[5]	DGC	Charcoal gray
					NPL12/xy	1/2" threaded nipple[5]	DTG	Tennis green
					NPL34/xy	3/4" threaded nipple[5]	DBR	Bright red
					NPL1/xy	1" threaded nipple[5]	DSB	Steel blue
					EHHxy	Extra handhole[5,7]	Architectural Colors and Special Finishes[11]	
					MAEX	Match existing[8]	Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.	
					USPOM	United States point of manufacture[9]		
					IC	Interior coating[10]		
					UL	UL listed with label (Includes NEC compliant cover)		
					NEC	NEC 410.30 compliant gasketed handhole (Not UL Labeled)		
					Shipped separately (replacement kit available)			
					(blank) FBC	Full base cover (plastic)		
					(blank) TC	Top cap		
					(blank) HHC	Handhole cover		

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" \| "G" - 0.1793".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST**2**.
5. Specify location and orientation when ordering option.
   For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
   Example: 5ft = 5 and 20ft 3in = 20-3
   For "y": Specify orientation from handhole (A,B,C,D)
   Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxy. Example: HA20BD.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.

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19578

Developer:

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Development Plan and Tentative Parcel Map Drawings for:

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Goleta, California 93117

Sheet Title:

Lighting Data Sheets

Date: June 12, 2020
Project Number: 1199-01-Tesla
Sheet Number:

E-2