#22PLN-00165

1020 EAST MEADOW CIRCLE

PROJECT DESCRIPTION

TENANT IMPROVEMENTS CONSISTING OF INTERIOR RENOVATION OF AN EXISTING ONE-STORY BUILDING. THE BUILDING WILL BE USED AS DATA CENTER AND OFFICES WITH SPACES THAT INCLUDE CONFERENCE ROOMS, BREAK ROOM,RESTROOMS, DATA CENTER LAB, SHIPPING AND RECEIVING AND OPEN WORKSPACE.

EXTERIOR SITE IMPROVEMENTS INCLUDE RESTRIPING FOR PARKING STALLS, THE ADDITION OF ADA ACCESSIBLE PARKING STALLS, PATH OF TRAVEL AND ACCESSIBILITY IMPROVEMENTS, FLOOD PROOFING, EXTERIOR CMU TRASH ENCLOSURE, RAISED UTILITY YARD, NEW LANDSCAPED YARD AT STREET FRONTAGE AND EXISTING PATIO IMPROVEMENTS.

NOTE: TO MEET THE HIGH COOLING LOADS OF THE PROPOSED DATA CENTER PROGRAM, A TRIO OF 24'-3" FOOT HIGH COOLING TOWERS HAS BEEN PROPOSED. THE LOW FOOTPRINT OF THESE COOLING TOWERS HELPS THE PROJECT OPTIMIZE NUMBER OF PARKING STALLS AVAILABLE ON SITE AND ALSO MEETING TURNING RADIUS REQUIREMENTS FOR FIRE TRUCKS AND WASTE MANAGEMENT VEHICLE TRAFFIC.

COOLING TOWER SCREEN DESIGN WILL BE PRESENTED TO THE ARCHITECTURAL REVIEW BOARD FOR REVIEW AND APPROVAL

BASE BUILDING IMPROVEMENTS INCLUDE UPGRADING EXTERIOR ENVELOPE WITH (N) GLAZING, UPGRADING ALL HVAC SYSTEMS, CONCRETE INFILL OF EXISTING WALL OPENINGS

APPLICABLE CODES

2019 CALIFORNIA ELECTRICAL CODE

2019 CALIFORNIA MECHANICAL CODE

2019 CALIFORNIA PLUMBING CODE

2019 CALIFORNIA RESIDENTIAL CODE

2019 CALIFORNIA BUILDING CODE

2019 CALIFORNIA FIRE CODE

2019 CALIFORNIA GREEN BUILDING CODE

2019 CALIFORNIA ENERGY CODE

2018 PALO ALTO BUILDING CODE

2018 PALO ALTO MUNICIPAL CODE

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PROJECT DATA

BUILDING ADDRESS	1020 EAST MEADOW CIRCLE PALO ALTO, CA
PARCEL NUMBER	127-10-103
ZONING	ROLM
LOT AREA	114,488 SF
BUILDING AREA EXISTING: TOTAL:	 37,029 SF 37,029 SF
MAXIMUM LOT COVERAGE:	30.00% 34345.5 SF
EXISTING LOT COVERAGE: PROPOSED LOT COVERAGE:	32.34% 32.34% (NO CHANGE)
EXISTING # OF STORIES: PROPOSED # OF STORIES	1 1 (NO CHANGE)
MAXIMUM HEIGHT MAX ALLOWABLE WALL HT.:	 35'-0"
SETBACKS FRONT: SIDE REAR	 20'-0" 20'-0" 20'-0"
OCCUPANCY USE	BUSINESS OFFICE SPACE
CONSTRUCTION TYPE	III-B, SPRINKLERED
PARKING RATIO FOR ROLM ZONING	1:300 SQFT 1:3000 SQFT (BICYCLES)
PARKING COUNT	SEE A0.03

SHEET INDEX

ARCHITECTURAL

	A0.01	TITLE + COVER SHEET
	A0.02	EXISTING BUILDING
	A0.03	SITE CODE COMPLIANCE+PARKING
	A0.04	LOT COVERAGE COMPARISON
	A1.00	EXISTING+DEMO SITE PLAN
	A1.01	PROPOSED SITE PLAN
	A1.03	3D EXTERIOR RENDERING
	A2.00	EXISTING+DEMO ELEVATIONS
	A2.01	PROPOSED ELEVATIONS
5	A2.01A	PROPOSED ELEVATIONS - COLOR
	A2.02	STREET ELEVATIONS
	A2.03	STREET ELEVATIONS+NEIGHBORHOOD CONTEXT
	A3.00	SECTIONS
	A3.02	TRASH ENCLOSURE PLAN+ELEVATIONS
	A3.03	ENCLOSURE DETAILS
	A3.05	UTILITY YARD PLAN AND ELEVATIONS
	A3.06	NEIGHBORHOOD CONTEXT KEYPLAN
	A3.07	UTILITY YARD CONTEXT RENDERING
	A3.08	UTILITY YARD PERSPECTIVE RENDERING
2	A6.01	SPECIFICATIONS+EXTERIOR FINISHES
	A6.02	SPECIFICATIONS+EXTERIOR FINISH SCHEDULE
	A6.03	SPECIFICATIONS+EXTERIOR FINISHES

CIVIL

	C1.0	EXISTING CONDITIONS PLAN SITE PLAN
	C2.0	SITE PLAN
	C3.0	GRADING + DRAINAGE PLAN
	C4.0	UTILITY PLAN
	C5.0	STORMWATER CONTROL PLAN
	C6.0	COLLECTION VEHICLE ACCESS PLAN
	C6.1	FIRE TRUCK ACCESS PLAN
	C7.0	POLLUTION PREVENTION DETAIL

LANDSCAPE

	L1.0	TREE DISPOSITION PLAN
2	L2.0	LAYOUT PLAN
	L3.0	PLANTING PLAN
	L4.0	SHADING PLAN
	L5.0	IRRIGATION PLAN
	T-1	SPECIAL TREE PROTECTION INSTRUCTION
	T-2	ARBORIST REPORT
	T-3	ARBORIST REPORT
	T-4	TREE VALUATION

ELECTRICAL

	E001	SITE PLAN - POWER
	E101	SITE PLAN - PHOTOMETRICS

SITE CONTEXT

PROJECT SITE - 1020 EAST MEADOW — NTS

ABBREVIATIONS

ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
ALT.	ALTERNATE
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
BLDG.	BUILDING
BLDG. STD.	BUILDING STANDARD
B.O.	BOTTOM OF
BTM.	BOTTOM
BTWN.	BETWEEN
CLG.	CEILING
CLG. HT.	CEILING HEIGHT
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
DET.	DETAIL
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING
(E)	EXISTING
EA.	EACH
ELEV.	ELEVATION
ELEC.	ELECTRICAL
ENGR.	ENGINEER
EQ.	EQUAL
EXT.	EXTERIOR
FIN.	FINISH
FLR.	FLOOR
F.O.	FIELD OPENING
F.V.	FIELD VERIFY
GA.	GAUGE
H.B.	HOSE BIBB
HDW.	HARDWARE
HP.	HIGH POINT
HORIZ.	HORIZONTAL
HR.	HOUR
HT.	HEIGHT
INSUL.	INSULATION
INT.	INTERIOR
J.B.	JUNCTION BOX
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MFG.	MANUFACTURING
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTD.	MOUNTED
MTL.	METAL
(N)	NEW
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.A.	OVERALL
O.C.	ON CENTER
OPNG.	OPENING
OPP.	OPPOSITE
PART.	PARTITION
PLYWD.	PLYWOOD
POL.	POLISHED
P.P.	POWER POLE
PTD.	PAINTED
R.	RADIUS
RD.	ROUND
RECT.	RECTANGULAR
REF.	REFERENCE
REINF.	REINFORCED
RELOC.	RELOCATE OR RELOCATED
REQ.	REQUIRED
REV.	REVISION
R.O.	ROUGH OPENING
SECT.	SECTION
SIM.	SIMILAR
SPECS.	SPECIFICATIONS
S.S.	STAINLESS STEEL
S.S.D.	SEE STRUCTURAL DRAWINGS
STD.	STANDARD
STL.	STEEL
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
T.&G.	TONGUE & GROOVE
T.O.	TOP OF
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
WD.	WOOD
W.P.	WATERPROOF

SYMBOLS

DETAIL REFERENCE
DETAIL NUMBER — 1
SHEET ON WHICH DETAIL IS SHOWN — A101

BUILDING SECTION REFERENCE
SECTION NUMBER — 1
SHEET ON WHICH SECTION IS SHOWN — A101

INTERIOR ELEVATION REFERENCE
ELEVATION NUMBER — 1
SHEET ON WHICH ELEVATION IS SHOWN — A101

EXTERIOR ELEVATION REFERENCE
ELEVATION NUMBER — 1
SHEET ON WHICH ELEVATION IS SHOWN — A101

DOOR REFERENCE — 101

WINDOW REFERENCE — 1

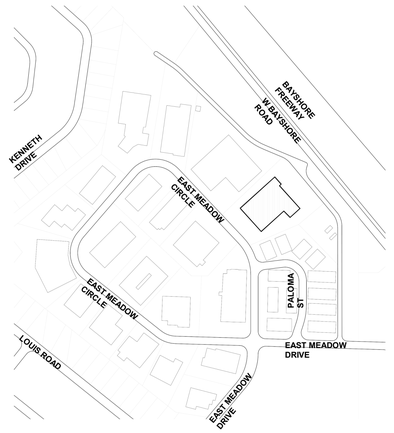
REVISIONS
REVISION NUMBER — 1

GRIDLINE REFERENCE — 1

WALL TYPES — 1

Symbols

VICINITY MAP



NTS

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STAMP

LICENSED ARCHITECT — RANDALL DONLEY — NO. C23107 — REN. 2/28/23 — STATE OF CALIFORNIA

KEY PLAN

NO.	DESCRIPTION	DATE
5	PLANNING PC#3	04.04.23
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE: 1 1/2" = 1'-0"

TITLE

TITLE + COVER SHEET

A0.01

 2023 ©

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4: SOUTHWEST ELEVATION
FACING EAST MEADOW CIRCLE

3: NORTHEAST ELEVATION
FACING WEST BAYSHORE ROAD + BAYSHORE FREEWAY

2: NORTHWEST ELEVATION

1: SOUTHEAST ELEVATION

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PROJECT EM20

ADDRESS 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO. 22038

SCALE

TITLE

EXISTING BUILDING

A0.02

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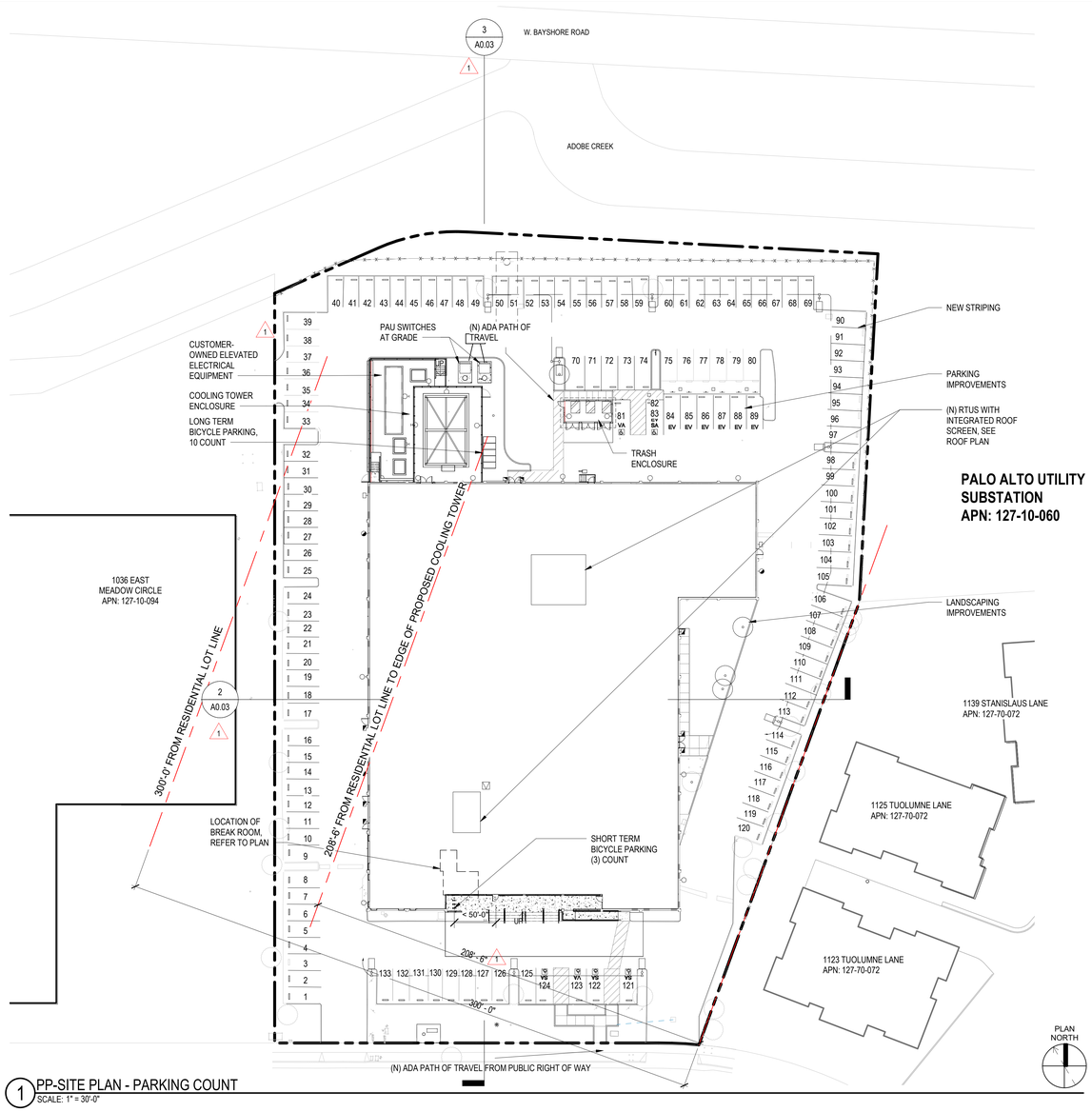
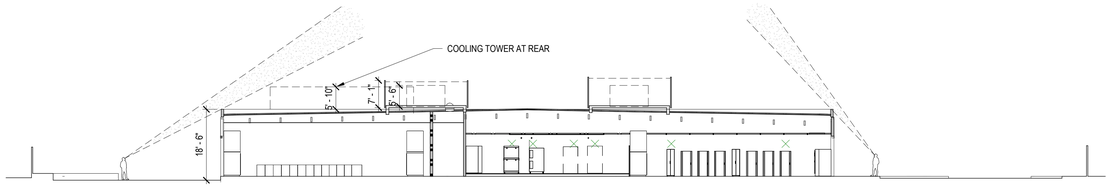
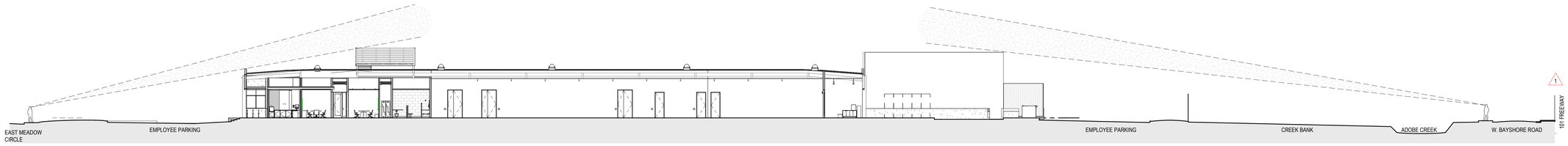


1 PP-SITE PLAN - PARKING COUNT
SCALE: 1" = 30'-0"



2 CODE SECTION - EAST WEST
SCALE: 1/16" = 1'-0"



3 CODE-SECTION-NORTH-SOUTH
SCALE: 1/16" = 1'-0"

TI SCOPE OF WORK NOTES

SCOPE OF WORK AT BUILDING INCLUDES THE FOLLOWING:

- NEW HVAC SYSTEMS, INCLUDING RTUS AND DISTRIBUTION
- NEW PLUMBING AT RESTROOMS AND EMPLOYEE BREAKROOM
- NEW ELECTRICAL, INCLUDING LIGHTING FIXTURES AND CONTROLS AT INTERIOR
- NEW INTERIOR PARTITIONS AND FINISHES
- SEISMIC UPGRADE
- NEW STOREFRONT SILL HEIGHT AT DESIGN FLOOD ELEVATION
- NEW CONCRETE INFILL AT DEMOLISHED WINDOWS AT LAB AREAS
- NEW FLOOD PROOFING, INCLUDING FLOOD MITIGATION COATING AND PLANK SYSTEM

PARKING COUNT

PARKING TYPE	EXISTING	PROPOSED	PROPOSED INTERIOR
STANDARD	**142**	**119**	-
ADA	**2**	**5**	-
VAN ADA	**2**	**1**	-
EV STANDARD	-	**6**	-
EV VAN ADA	-	-	-
EV ADA	-	**1X2*=2**	-
TOTAL PARKING	-	**133**	-
BIKE, SHORT TERM (ST)	**2**	**3**	**4**
BIKE, LONG TERM (LT)	**2**	**10**	-

* PER STATE ASSEMBLY BILL (AB) NO. 1100, AN ACCESSIBLE PARKING SPACE WITH AN ACCESS AISLE SERVED BY EVSE SHALL COUNT AS AT LEAST TWO STANDARD PARKING SPACES

BICYCLE PARKING PROVIDED TO BE IN COMPLIANCE WITH STANDARDS SET OUT BY PAMC 18.54.060.

PARKING RATIO FOR ROLM ZONING	1:300 SQFT 1:3000 SQFT (BICYCLES) 80% LT, 20% ST	
BUILDING AREA	37029 SQFT	
REQUIRED PARKING COUNT	37029 / 300	= 123.43 (**124**)
REQUIRED BICYCLE PARKING COUNT	37029 / 3000 12.343 x 0.8 12.343 x 0.2	= 12.343 (**13**) = 9.87 LT (**10**) = 2.47 ST (**3**)

PER 422.1 MIN. PLUMBING FIXTURE

37,136 SF/ 200 (B LOAD FACTOR) = 186
186 OCCUPANTS / 2 = 93 MALES, 93 FEMALES

	MALE		FEMALE		GENDER NEUTRAL	
	REQ'D	PROVIDED	REQ'D	PROVIDED	REQ'D	PROVIDED
WATER CLOSET	2	2	4	4	-	1
URINAL	1	1	-	-	-	-
LAVATORY	2	2	2	2	-	1
DRINKING FOUNTAIN	1	1	1	1	-	-
SHOWER	-	-	-	-	-	1

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REN. 2/28/23
STATE OF CALIFORNIA

KEY PLAN

NO.	DESCRIPTION	DATE
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE: As indicated

TITLE

SITE CODE COMPLIANCE+PARKING

A0.03

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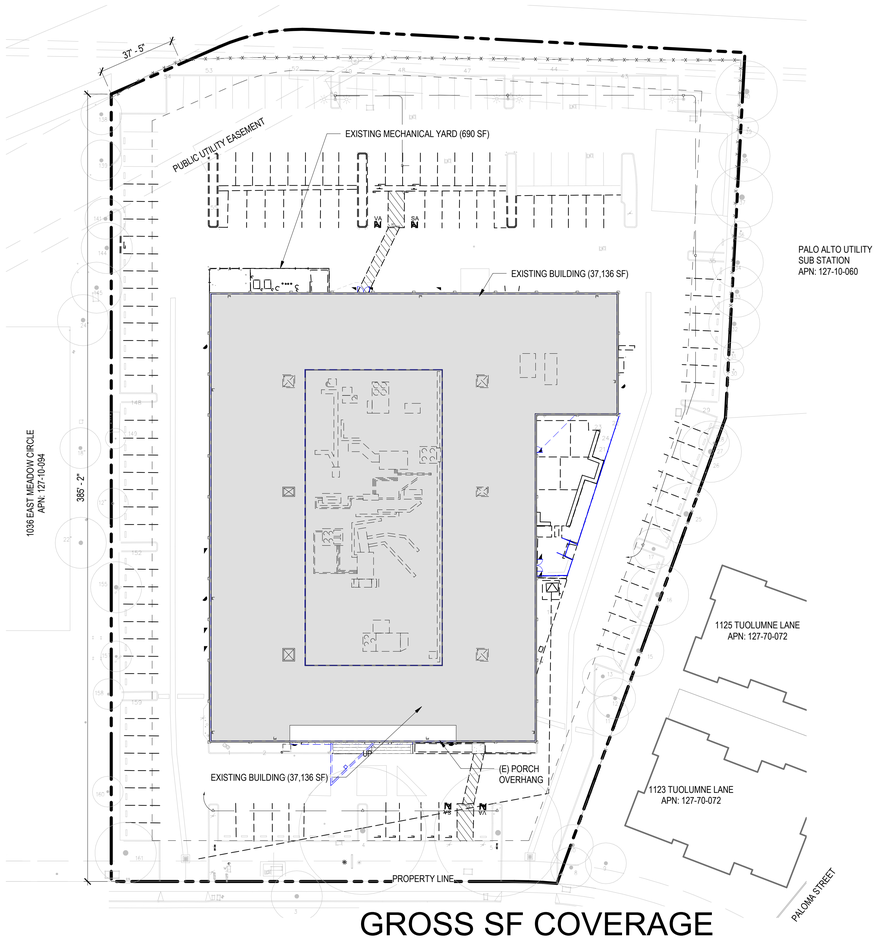
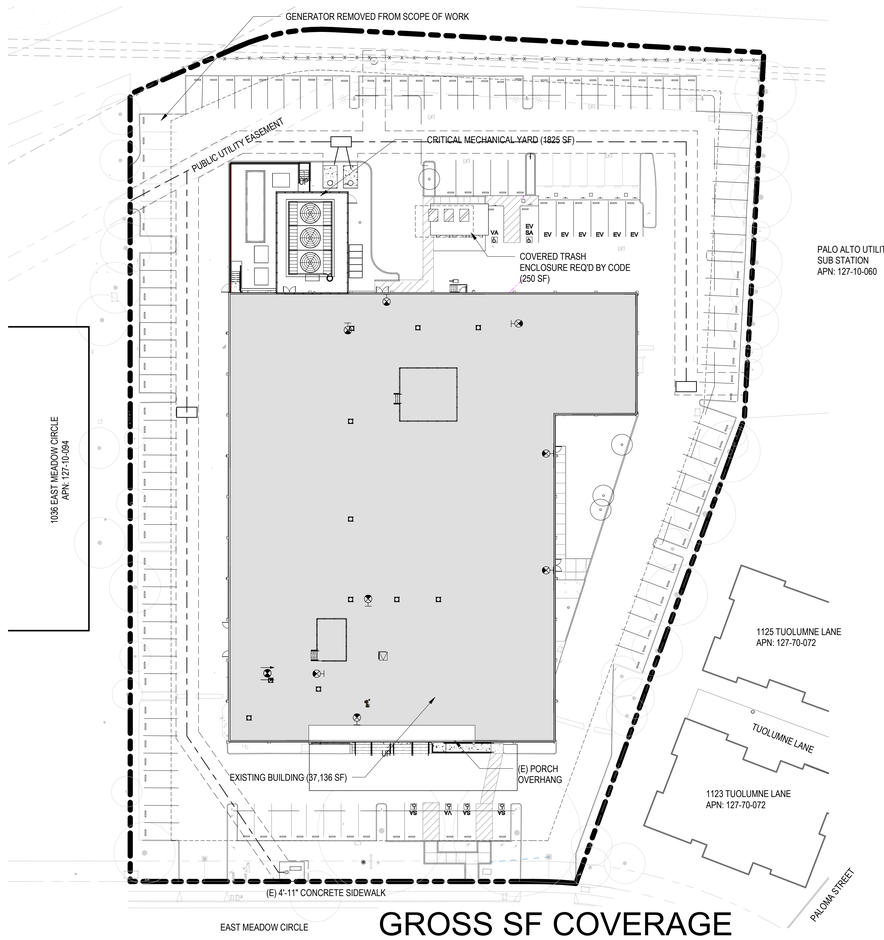


GROSS SF COVERAGE
37,136 SF

1 BLOCK-AREA_PP-SITE PLAN - EXISTING
SCALE: 1" = 30'-0"



GROSS SF COVERAGE
37,136 SF

2 BLOCK-AREA_PP-PROPOSED-SITE PLAN
SCALE: 1" = 30'-0"

PER THE CIVIL SITE SURVEY OF THE EXISTING PROPERTY AT 1020 EAST MEADOW

THE EXISTING LOT SIZE IS 114,485 SQUARE FEET

THE EXISTING BUILDING GROSS FLOOR AREA IS 37,136 SQUARE FEET

THE EXISTING LOT COVERAGE PERCENTAGE IS 32%

PER THE CIVIL SITE SURVEY OF THE EXISTING PROPERTY AT 1020 EAST MEADOW

THE EXISTING LOT SIZE IS 114,485 SQUARE FEET

THE PROPOSED BUILDING GROSS FLOOR AREA IS 37,136 SQUARE FEET

THE PROPOSED LOT COVERAGE PERCENTAGE IS 32%

EXISTING 32% = PROPOSED 32%

NO CHANGE

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PROJECT NO. 22038

SCALE 1" = 30'-0"

TITLE

LOT COVERAGE COMPARISON

A0.04

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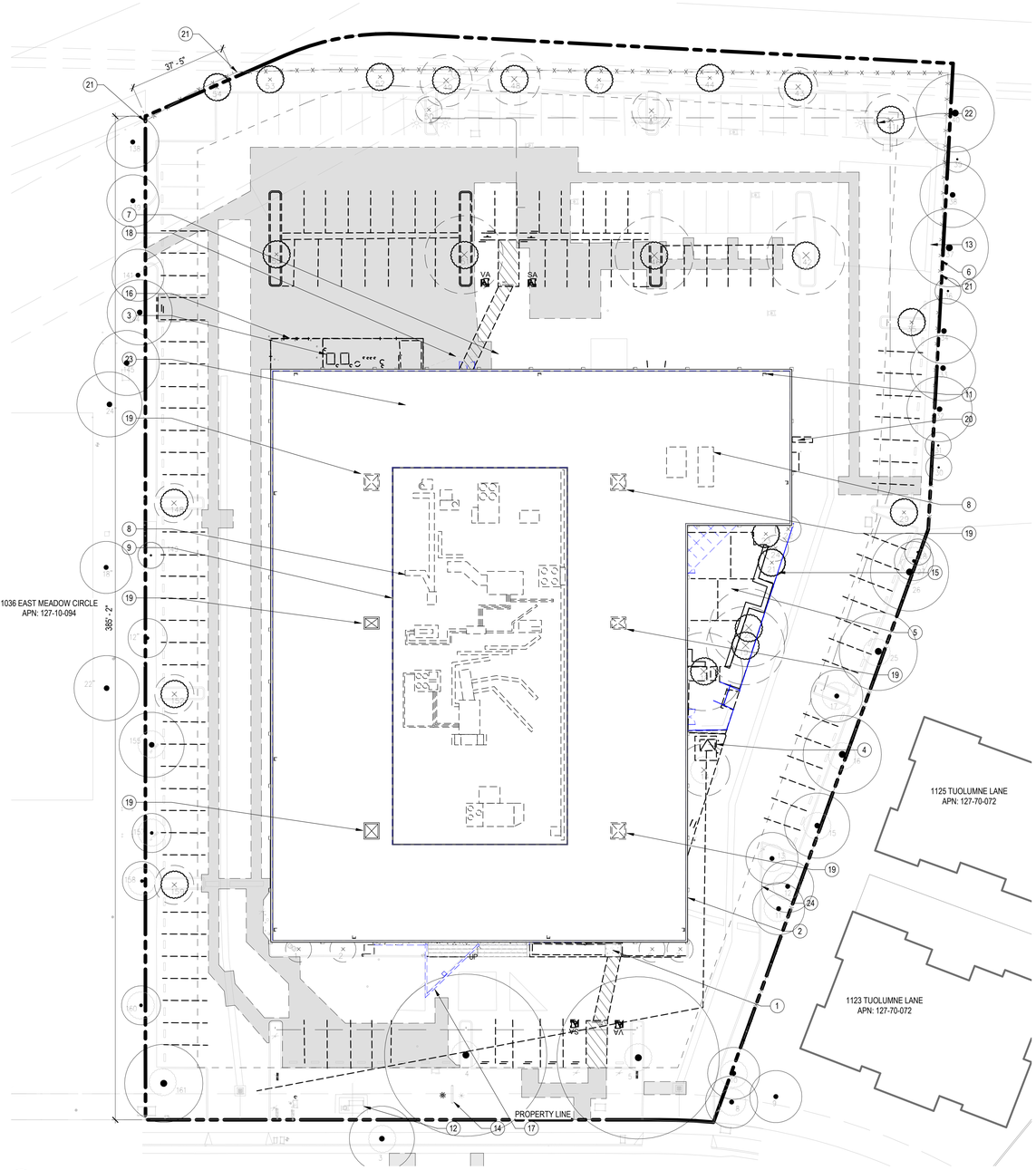

1 PP-SITE PLAN - EXISTING + DEMO
SCALE: 3/64" = 1'-0"

SITE PLAN DEMO NOTES

1. SEE CIVIL & DEMO FOR ADDITIONAL INFORMATION.
2. VERIFICATION OF EXISTING FIELD CONDITIONS IS REQUIRED PRIOR TO DEMOLITION. CONTRACTOR IS TO COORDINATE WITH BUILDING OWNER TO IDENTIFY ITEMS (QUANTITY AND QUALITY) TO BE SAVED AND REUSED. NOTIFY ARCHITECT IMMEDIATELY IF FIELD CONDITIONS REVEAL ITEMS NOT SHOWN ON PLAN.
3. DURING DEMOLITION, THE CONTRACTOR IS TO MAINTAIN OPERATION OF ALL COMPONENTS OF THE FIRE SAFETY SYSTEM. PROVIDE TEMPORARY COMPONENTS OF THE FIRE SAFETY SYSTEM, IF NECESSARY.

1. REMOVE EXISTING EXTERIOR RAMPS, LANDINGS, STAIRS, & RAILINGS
2. EXISTING EXTERIOR WALLS TO REMAIN, TYP.
3. REMOVE EXISTING EQUIPMENT
4. REMOVE EXISTING ELECTRICAL TRANSFORMER & ASSOCIATED EQUIPMENT. CAP UTILITIES IN PREPARATION FOR NEW WORK. EXISTING 12 kV ELECTRICAL CABLE FROM CPAU LOADBREAK #2790X TO EXISTING TRANSFORMER WILL BE REMOVED.
5. REMOVE (E) PAVERS.
6. (E) VERTICAL WOOD BOARD FENCE, 8'-0" H, V.I.F.
7. REMOVE (E) BIKE LOCKERS
8. DEMO ALL EXISTING ROOFTOP MECHANICAL EQUIPMENT, TYP.
9. (E) METAL ROOF SCREEN, 8'-6"H, SEE A6.03
11. DEMO (E) FLOODLIGHTS, TYP.
12. (E) UTILITY EQUIPMENT TO REMAIN, CPAU LOADBREAK #2790X
13. (E) CONCRETE PAD TO REMAIN
14. REMOVE (E) SIGN
15. REMOVE (E) FENCE
16. REMOVE (E) ENCLOSURE
17. REMOVE (E) OVERHANG
18. REMOVE (E) FABRIC CANOPY
19. DEMO (E) SKYLIGHTS, TYP.
20. REMOVE ASPHALT, CURB, & (E) LANDSCAPING
21. (E) HEDGES AT PERIMETER OF PROPERTY, NO CHANGE
22. REMOVE (E) POLE LIGHTS
23. REMOVE PORTION OF (E) ROOF FOR (N) SKYLIGHT
24. TYPE-II TREE PROTECTION FENCING PER PALO ALTO SPECIAL TREE PROTECTION INSTRUCTION SHEET, TYP.

PLAN NORTH

0 10' 20' 40'

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San Jose, CA 95131
408.487.1200

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LICENSED ARCHITECT
RANDALL DONLEY
NO. C23107
REN. 2/28/23
STATE OF CALIFORNIA

KEY PLAN

NO.	DESCRIPTION	DATE
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT GOOGLE INC.

PROJECT EM20

ADDRESS 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO. 22038

SCALE 3/64" = 1'-0"

TITLE

EXISTING+DEMO SITE PLAN

A1.00

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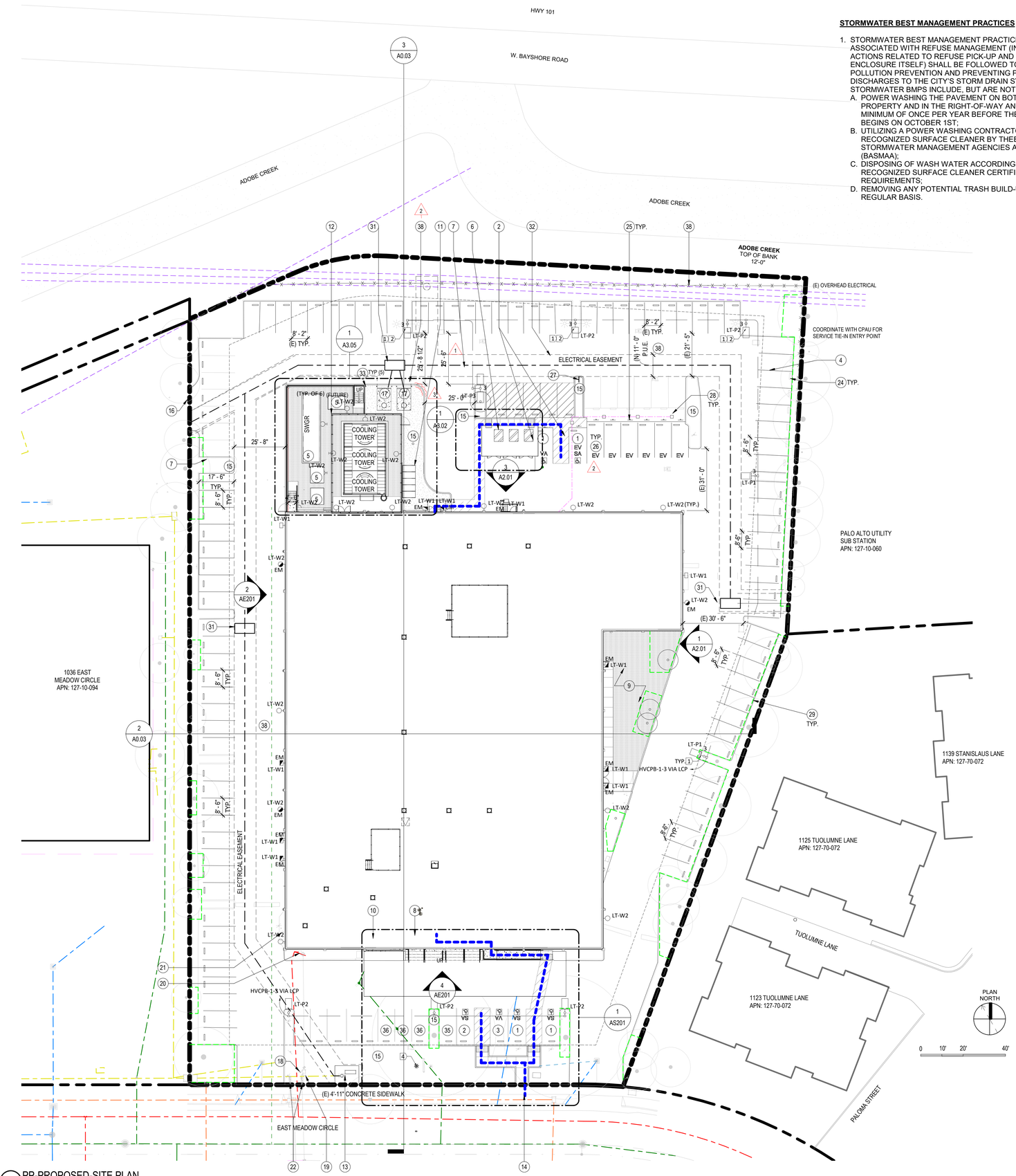

1 PP-PROPOSED-SITE PLAN
SCALE: 3/64" = 1'-0"

STORMWATER BEST MANAGEMENT PRACTICES

1. STORMWATER BEST MANAGEMENT PRACTICES (BMPS) ASSOCIATED WITH REFUSE MANAGEMENT (INCLUDING ACTIONS RELATED TO REFUSE PICK-UP AND THE ENCLOSURE ITSELF) SHALL BE FOLLOWED TO ENSURE POLLUTION PREVENTION AND PREVENTING POTENTIAL DISCHARGES TO THE CITY'S STORM DRAIN SYSTEM. STORMWATER BMPS INCLUDE, BUT ARE NOT LIMITED TO:
   A. POWER WASHING THE PAVEMENT ON BOTH THE PRIVATE PROPERTY AND IN THE RIGHT-OF-WAY AND SIDEWALK A MINIMUM OF ONCE PER YEAR BEFORE THE WET SEASON BEGINS ON OCTOBER 1ST;
   B. UTILIZING A POWER WASHING CONTRACTOR THAT IS A RECOGNIZED SURFACE CLEANER BY THEBAY AREA STORMWATER MANAGEMENT AGENCIES ASSOCIATION (BASMAA);
   C. DISPOSING OF WASH WATER ACCORDING TO THE RECOGNIZED SURFACE CLEANER CERTIFICATION REQUIREMENTS;
   D. REMOVING ANY POTENTIAL TRASH BUILD-UP ON A REGULAR BASIS.

SITE PLAN KEY NOTES:

1. (E) ADA PARKING STALL
2. (N) ADA PARKING STALL (STANDARD ACCESSIBLE)
3. (N) ADA PARKING STALL (VAN ACCESSIBLE)
4. (N) PARKING STALLS AND STRIPING, SEE CIVIL DRAWINGS. CONFORMANCE WITH PAMC 18.52
5. (N) CUSTOMER-OWNED TRANSFORMER & SWITCH GEAR; INSTALL ON ELEVATED PAD FOR FLOOD MITIGATION; MAINTAIN MINIMUM ACCESS CLEARANCES
6. (N) TRASH ENCLOSURE
7. (N) PARKING ISLAND
8. (N) ENTRY
9. (N) PATIO LANDSCAPING - REFER TO LANDSCAPE DWGS
10. (N) SHORT TERM BICYCLE PARKING
11. (N) LONG TERM BICYCLE PARKING
12. (N) LOUVERED FENCE SYSTEM ON CONCRETE STEMWALL W/ GRAPHIC ART SUBMITTED UNDER SEPARATE ARB EXTERIOR GRAPHICS SUBMITTAL.
13. (E) PALO ALTO UTILITY LOADBREAK #2790X AND VAULT - CORE (3) 6" CONDUITS INTO VAULT FOR SERVICE TIE-IN
14. ACCESSIBLE PATH OF TRAVEL , TYP. REFER TO CIVIL DWGS
15. (N) LANDSCAPED AREA PER LANDSCAPING
16. (E) HEDGES
17. (N) UTILITY-OWNED FEEDER SWITCH W/ 7' X 11' CONC SWITCH PAD O/ 5' X 10' VAULT PER CPAU STD DWG DT-SS-U-1026
18. (E) FIRE HYDRANT
19. (E) WATER METER
20. (E) GAS VALVE
21. (E) FIRE STANDPIPE
22. (E) BACKFLOW PREVENTER
23. (N) POLE LIGHTS, SINGLE HEAD, LED
24. WHEEL STOP, TYP.
25. (N) PARKING SIGNAGE, SEE CIVIL DWGS, TYP.
26. (N) EVSE STRIPING, TYP.
27. (N) LOADING SIGNAGE, SEE CIVIL DWGS.
28. (N) ELECTRICAL LINE FOR FUTURE EVSE, SEE ELEC DWGS.
29. TYPE-II TREE PROTECTION PER PALO ALTO SPECIAL TREE PROTECTION INSTRUCTION SHEET, TYP.
30. PROVIDE 60"L X 36"W X 54"D UNDERGROUND PRIMARY ELECTRICAL VAULT
31. PROVIDE 5'-0"L X 10'-0"W X 54" D UNDERGROUND PULL BOX FOR MAIN ELECTRICAL FEEDER CONDUIT W/ TRAFFIC-RATED LID PER CPA STD. DWG DT-SS-U-1002. PA-3546
32. (N) PRIMARY POWER TRENCH - (3) 6" PVC CONDUITS, CONCRETE ENCASED. SEE CPA STD. DWG DT-SS-U-1003.
33. (N) TRAFFIC BOLLARD PER CIVIL
34. (N) GENERATOR CONDUIT TRENCH
35. EXPECTANT MOTHER PARKING
36. CARPOOL PARKING
37. (N) 10'-0" SECURITY FENCE - AMERISTAR: WIREWORKS ANTI-CLIMB PERMACOAT POWDER COAT, BLACK W/ GRAPHIC ART SUBMITTED UNDER SEPARATE ARB EXTERIOR GRAPHICS SUBMITTAL.
38. (N) CPAU FEEDER SWITCH EASEMENT

LIGHT FIXTURE KEY NOTES:

1. CONCRETE BASE FOR 15' POLE TO BE 2" TALL FOR A TOTAL OF 15'-2" FOR THE POLE HEIGHT, BASE EXTENDING INTO THE GROUND (DEPTH PER STRUCT ENG. RECOMMENDATIONS FOR WIND LOAD), REFER TO STRUCTURAL.
2. EXISTING FIXTURE LOCATION TO BE RE-USED, PENDING CONTRACTOR COORDINATION, IF POSSIBLE RE-USE EXISTING FOOTING AND POLE, IF NOT THEN SUPPLY ENTIRE TYPE P2 FIXTURE, POLE, AND NEW FOOTING.
3. WALL MOUNTED AREA DOWNLIGHT WITH HOUSE SIDE SHIELD TO BE MOUNTED AS HIGH ON THE STRUCTURE AS POSSIBLE, A MINIMUM OF 14'-6" TO BOTTOM OF FIXTURE.
4. EXISTING FIXTURE TO BE REMOVED.

FLOOR PLAN GENERAL NOTES:

1. SEE A6.01, A6.02, A6.03 FOR SPECIFICATIONS
2. SEE A6.03 FOR EXTERIOR LIGHT FIXTURE SCHEDULE
   A. REMOTE POWER SUPPLIES TO BE IN A CONCEALED, WELL VENTILATED, ACCESSIBLE LOCATION WITHIN MANUFACTURER RECOMMENDED DISTANCES. ELECTRICAL CONTRACTOR TO ENSURE VOLTAGE AT THE SOURCE IS 12V OR 24V AS NECESSARY DETERMINED BY FIXTURE VOLTAGE. CONTRACTOR TO VERIFY LOCATIONS OF POWER SUPPLY AND TRANSFORMER WITH ARCHITECT PRIOR TO LOCATING IN FIELD.
   B. ALL LOCATIONS AND MOUNTING HEIGHTS OF LIGHTS, SCONCES TO BE VERIFIED PRIOR TO J-BOX INSTALLATION.
3. SEE LANDSCAPE DRAWINGS FOR TREE SCHEDULE
4. SEE CIVIL AND LANDSCAPE DRAWINGS FOR SITEWORK DETAILS.
5. REQUIRED PARKING COUNT SEE A0.03 AND C2.0

LOT AREA	**114,485 SF**
PROPOSED LOT COVERAGE	
EXISTING BUILDING:	37,029 SF
PROPOSED TRASH ENCLOSURE	+302 SF
TOTAL:	**37,331 SF**

LEGEND

SYMBOL	TYPE
	PROPERTY LINE
	SETBACK LINE
	PERIMETER CONDITIONS (SEE KEYNOTES)
	UTILITY - GAS
	UTILITY - TELEPHONE
	UTILITY - STORM SEWER
	UTILITY - SANITARY SEWER
	UTILITY - ELECTRICAL

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REN. 2/28/23
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3	PCC#1	03.17.23
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO. 22038

SCALE: 3/64" = 1'-0"

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PROPOSED SITE PLAN

A1.01

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STREETVIEW PERSPECTIVE - EXISTING ELEVATION

STREETVIEW PERSPECTIVE - PROPOSED ELEVATION

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3D EXTERIOR RENDERING

1

A1.03

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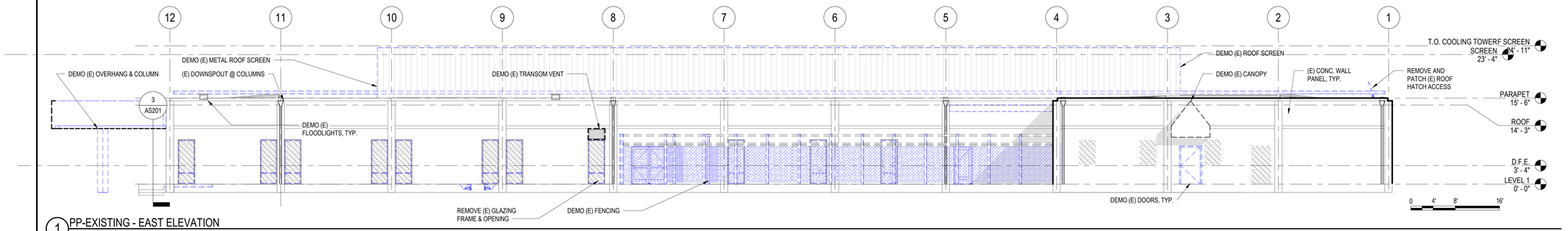

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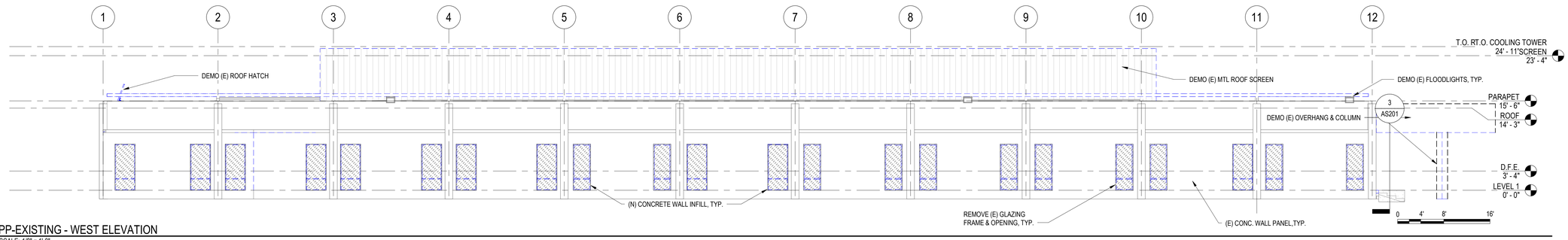

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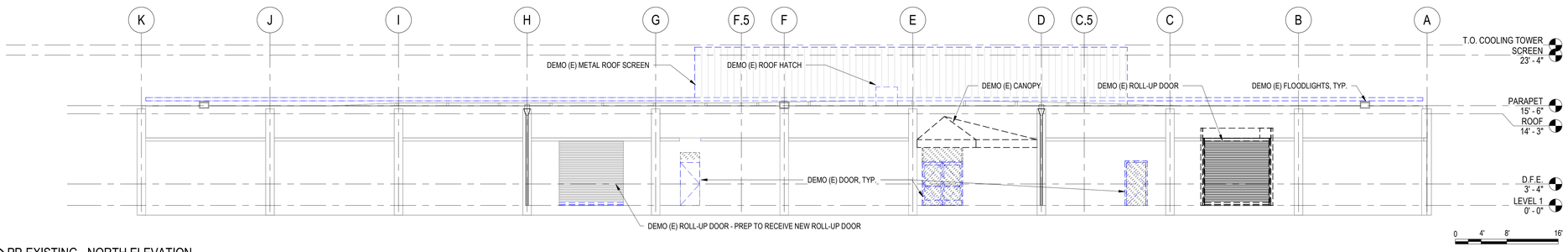

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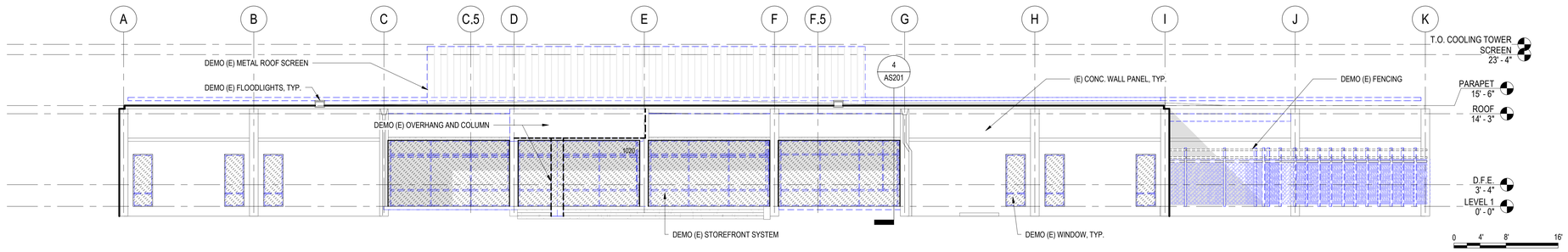

4 PP-EXISTING - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

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SCALE 1/8" = 1'-0"

TITLE

EXISTING+DEMO ELEVATIONS

A2.00

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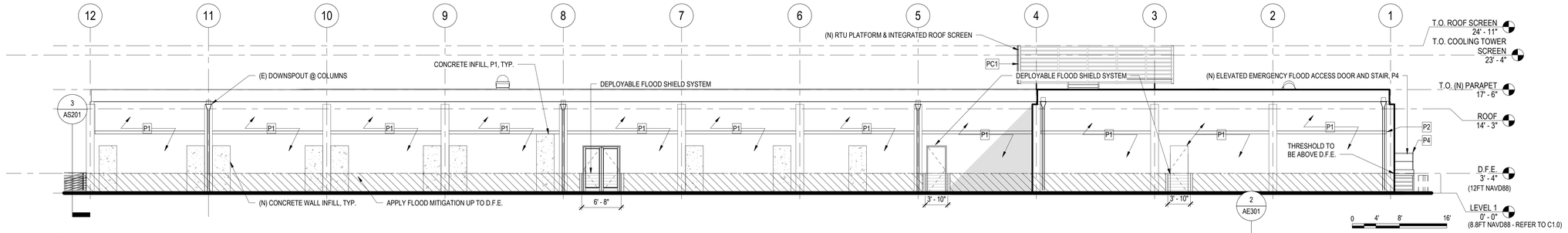

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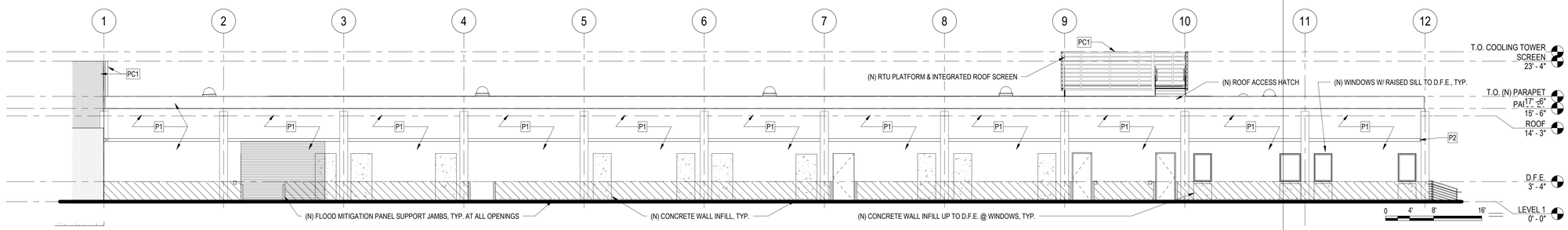

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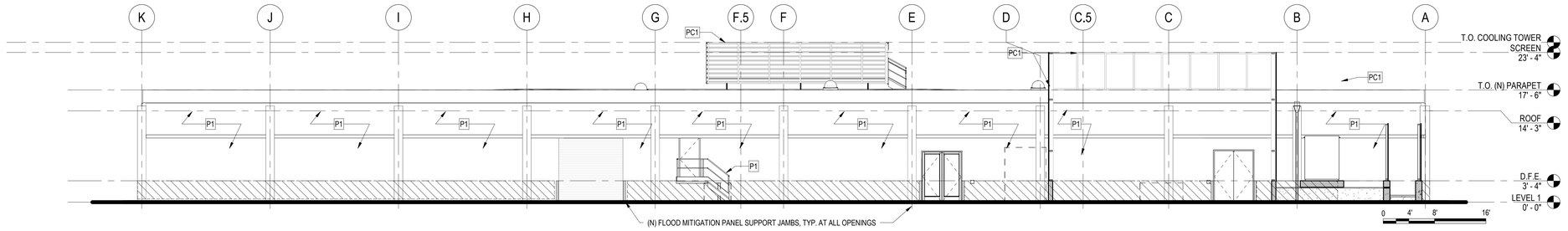

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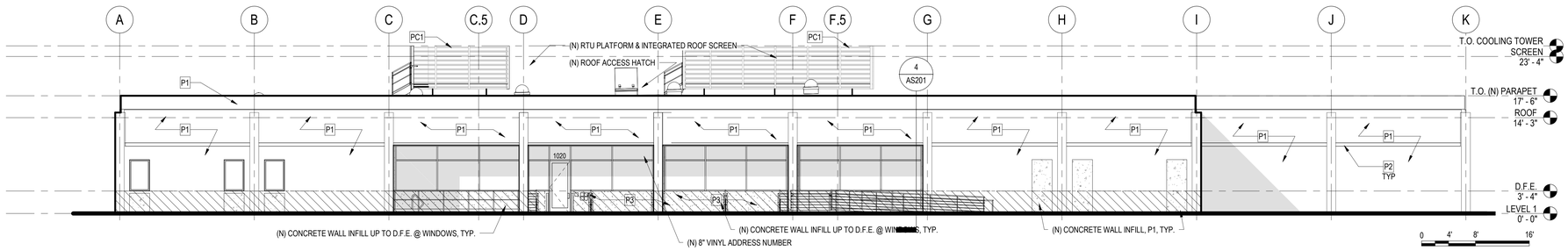

4 PP-PROPOSED - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

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PROPOSED ELEVATIONS

A2.01

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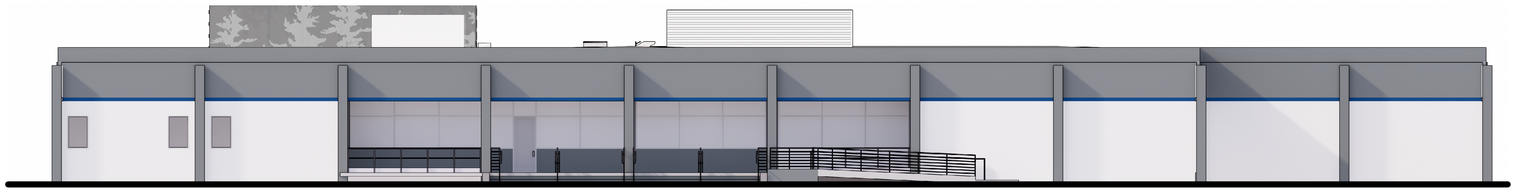
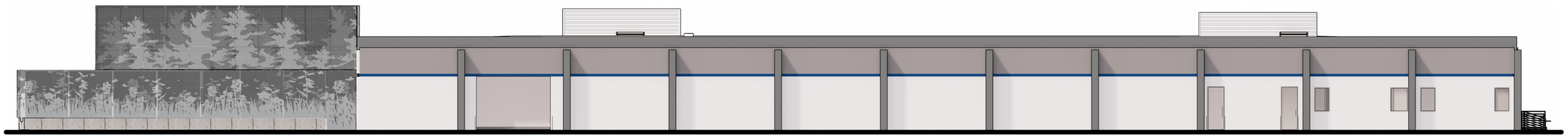


COLOR ELEVATION - SOUTH



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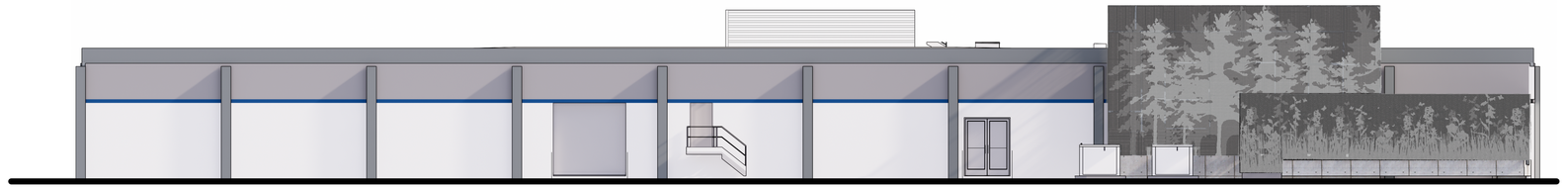

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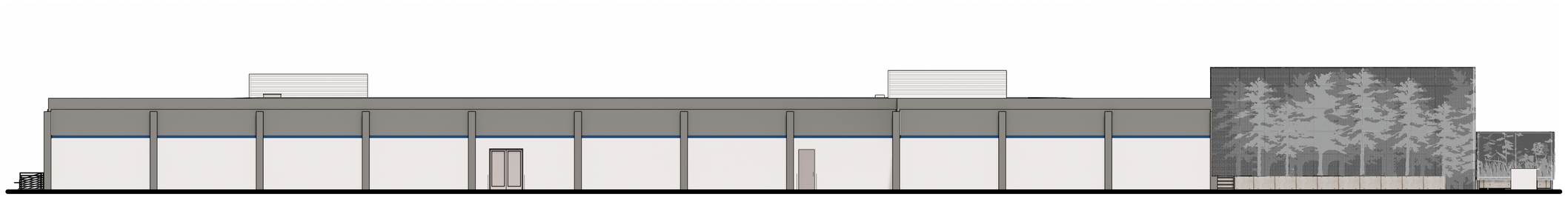

COLOR ELEVATION - EAST

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PROPOSED ELEVATIONS - COLOR

A2.01A

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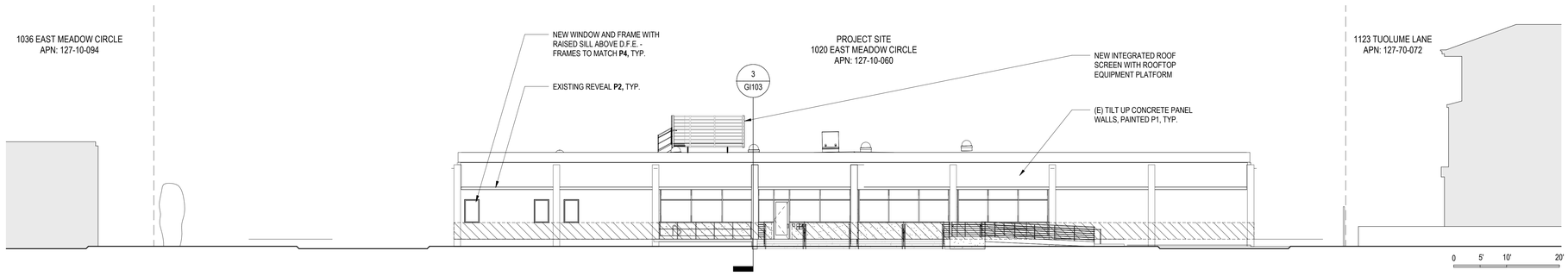

1 PP-PROPOSED ELEVATION AT EAST MEADOW
SCALE: 3/32" = 1'-0"

1036 EAST MEADOW CIRCLE

1123 TUOLUMNE LANE

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	IFP SET	12.09.22
	PLANNING PERMIT	04.14.22

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ADDRESS 1020 E. MEADOW CIRCLE
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SCALE 3/32" = 1'-0"

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STREET ELEVATIONS

A2.02

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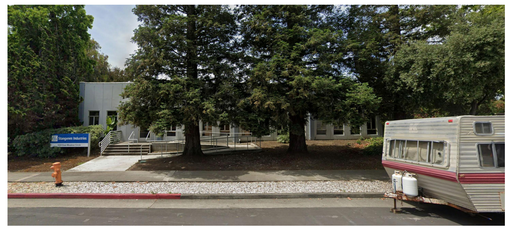
1020 EAST MEADOW CIRCLE PROPOSED STREET CONTEXT ELEVATION: N.T.S.

1036 EAST MEADOW CIRCLE

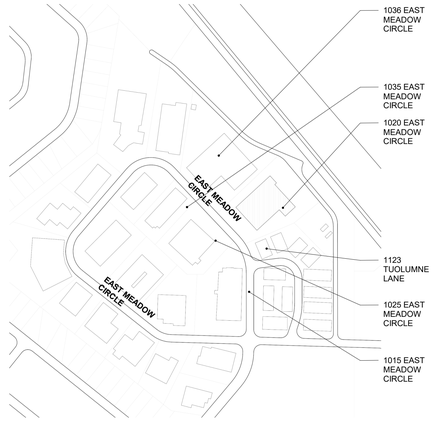
1123 TUOLUMNE LANE

1015 EAST MEADOW CIRCLE

1025 EAST MEADOW CIRCLE



1035 EAST MEADOW CIRCLE



VICINITY MAP - NTS

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San Francisco, CA 94105
415.392.6952

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3310 Bassett Street
Santa Clara, CA 95054
408.986.1324

Acoustic Engineer
TeeCom
50 California Street, STE. 1500
San Francisco, CA 94111
510.337.2800

Floodproofing
Simpson Gumpertz & Heger
1999 Harrison St, STE. 2400
Oakland, CA 94612
415.495.3700

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LICENSED ARCHITECT
RANDALL DONLEY
NO. C23107
REN. 2/28/23
STATE OF CALIFORNIA

KEY PLAN

NO.	DESCRIPTION	DATE
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT GOOGLE INC.

PROJECT EM20

ADDRESS 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO. 22038

SCALE

TITLE

STREET ELEVATIONS+NEIGHBORHOOD CONTEXT

A2.03

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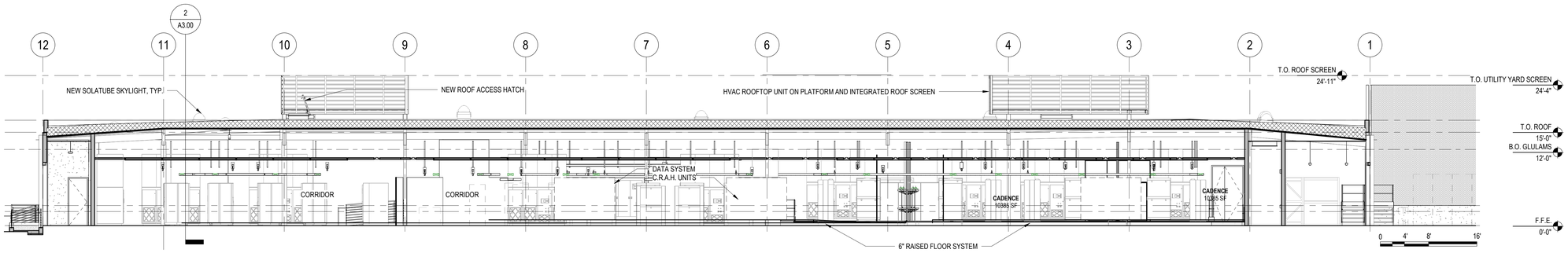

1 LONGITUDINAL SECTION
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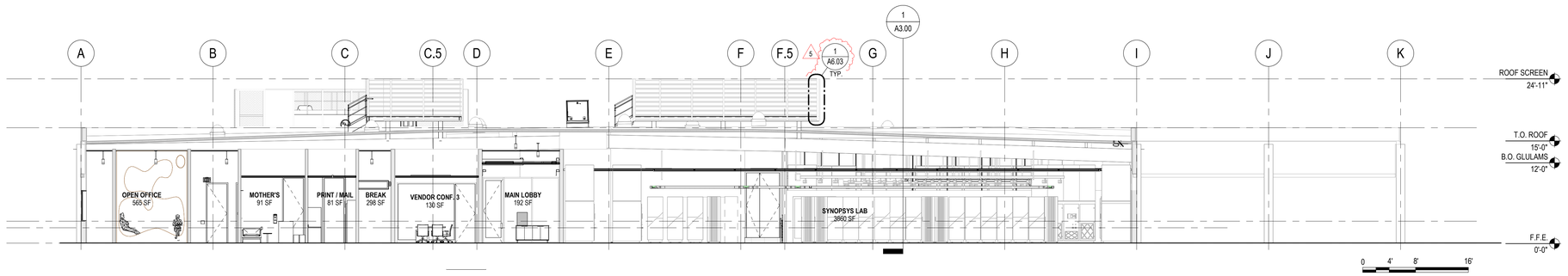

2 CROSS SECTION
SCALE: 1/8" = 1'-0"

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San Jose, CA 95131
408.487.1200

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KEY PLAN

NO.	DESCRIPTION	DATE
5	PLANNING PC#3	04.04.23
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE: 1/8" = 1'-0"

TITLE

SECTIONS

A3.00

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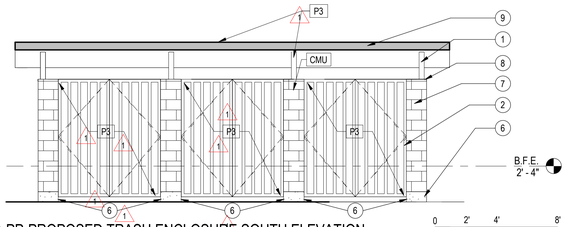
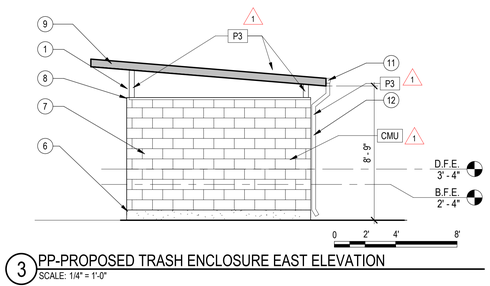
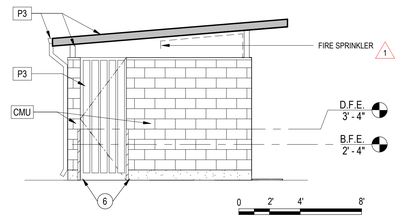


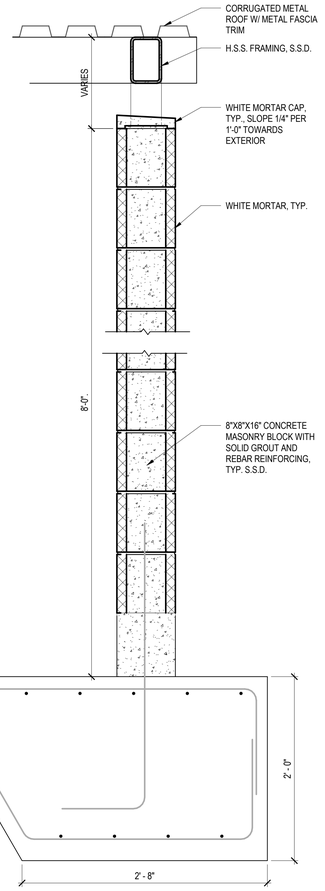
2 PP-PROPOSED TRASH ENCLOSURE SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



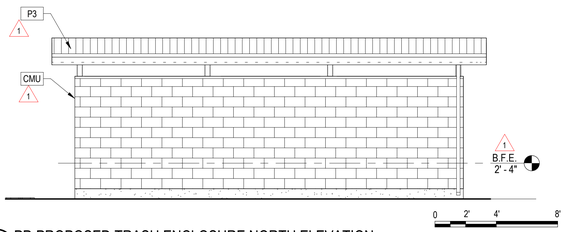
3 PP-PROPOSED TRASH ENCLOSURE EAST ELEVATION
SCALE: 1/4" = 1'-0"



4 PP-PROPOSED TRASH ENCLOSURE WEST ELEVATION
SCALE: 1/4" = 1'-0"

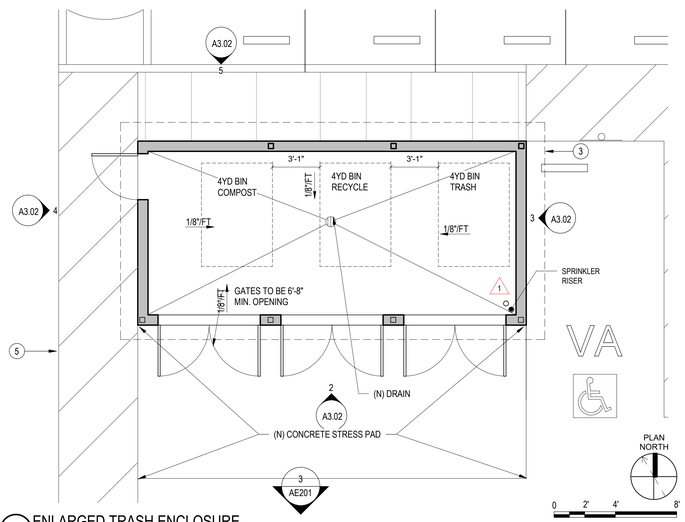


6 PP-WALL SECTION TE
SCALE: 1 1/2" = 1'-0"



5 PP-PROPOSED TRASH ENCLOSURE NORTH ELEVATION
SCALE: 1/4" = 1'-0"

PROPOSED METAL GATE SAMPLE



1 ENLARGED TRASH ENCLOSURE
SCALE: 1/4" = 1'-0"

FLOOR PLAN KEY NOTES:

1. HSS POST, TYP.
2. PROVIDE CORRUGATED STEEL DOUBLE GATES WITH LATCHSET AND CANEBOLT, TYP.
3. ROOF OVERHANG
4. CONCRETE STRESS PAD, SEE CIVIL DRAWINGS
5. DIAGONAL STRIPING FOR NO PARKING ZONE AND PEDESTRIAN PATH
6. CONCRETE STEM WALL, 8"H MIN.
7. GROUND FACE CMU BLOCK, 8"X8"X16", TYP.
8. PRECAST CALL CAP
9. CORRUGATED METAL ROOF AND SHEET METAL FASCIA, P3
10. CORRUGATED STEEL GATE WITH LATCH SET AND CANEBOLT, P3
11. SHEET METAL GUTTER
12. DOWNSPOUT

FLOOR PLAN GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION
2. DIMENSIONS NOTED "CLEAR" OR "CLR" ARE FOR REQUIRED CLEARANCE AND MUST BE MAINTAINED
3. ALL DIMENSIONS ARE GIVEN TO FACE OF FINISH U.O.N.
4. SEE A6.02, A6.03 FOR SPECIFICATIONS
5. COVERED TRASH ENCLOSURE FIRE SPRINKLER PER CITY OF PALO ALTO.
6. REFER TO A6.02 FOR FINISH LEGEND

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LICENSED ARCHITECT
RANDALL DONLEY
NO. C23107
REN. 2/28/23
STATE OF CALIFORNIA

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1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE: As indicated

TITLE

TRASH ENCLOSURE PLAN+ELEVATIONS

A3.02

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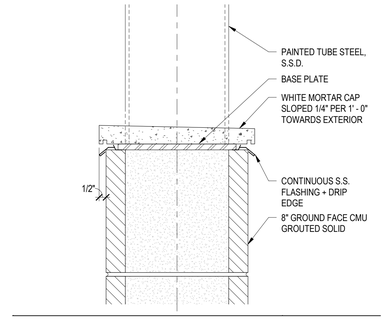
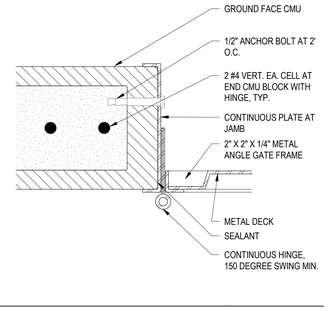
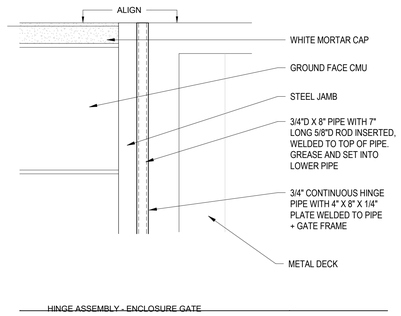


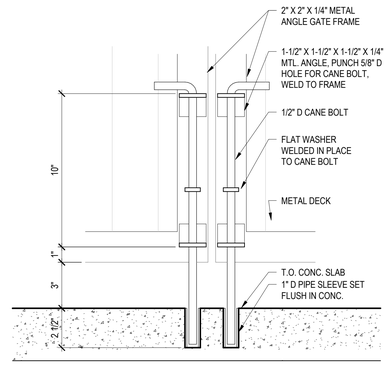
1 PP-TE - COLUMN ATTACHMENT TO CMU
SCALE: 3" = 1'-0"



2 PP-TE - HINGE ASSEMBLY PLAN - ENCLOSURE GATE
SCALE: 3" = 1'-0"



4 PP-TE - HINGE ASSEMBLY - ENCLOSURE GATE
SCALE: 3" = 1'-0"



3 PP-TE - DEADBOLT ASSEMBLY AT GATE
SCALE: 3" = 1'-0"

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STATE OF CALIFORNIA

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	PLANNING PERMIT	04.14.22

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE: 3" = 1'-0"

TITLE

ENCLOSURE DETAILS

A3.03

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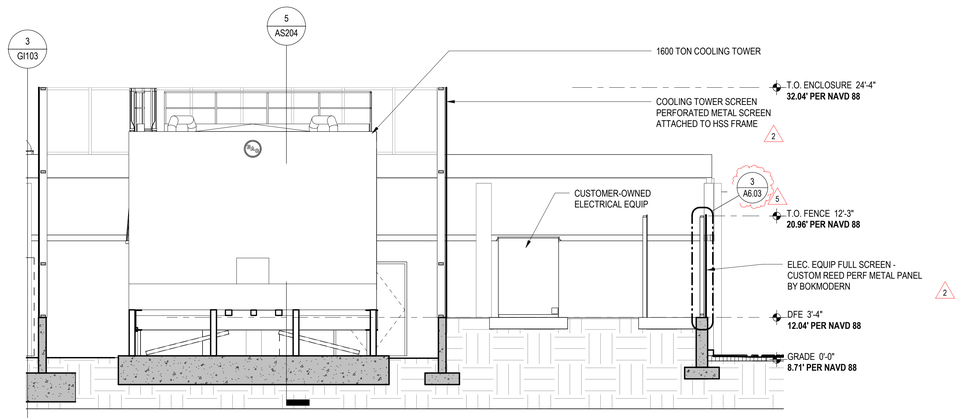
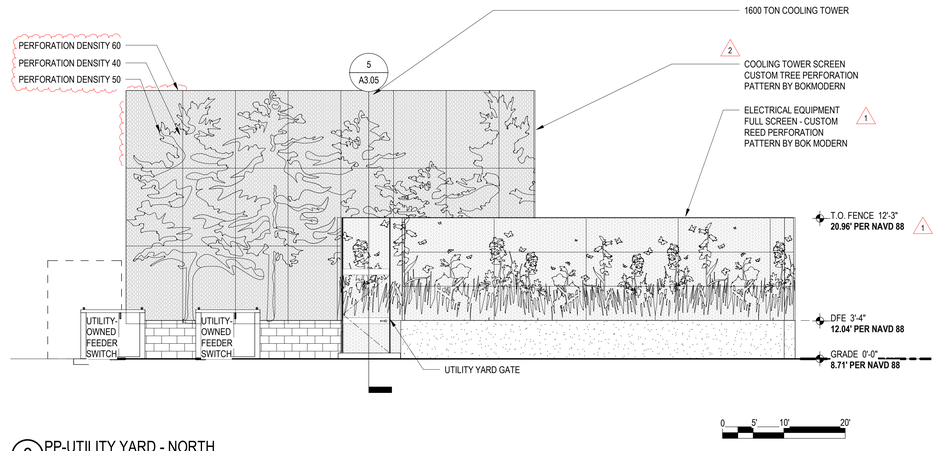
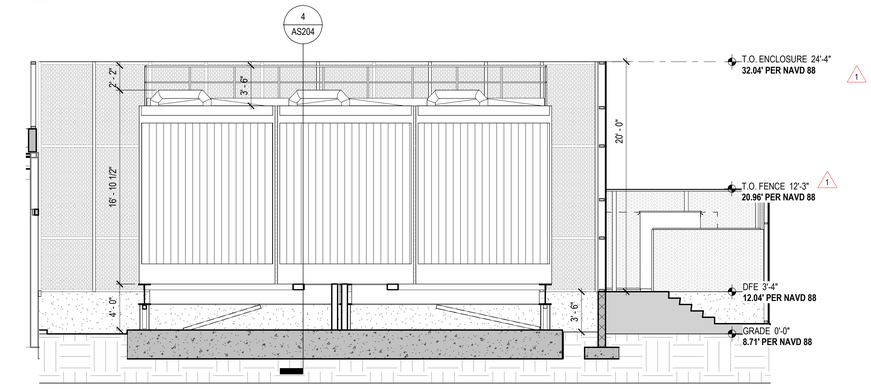


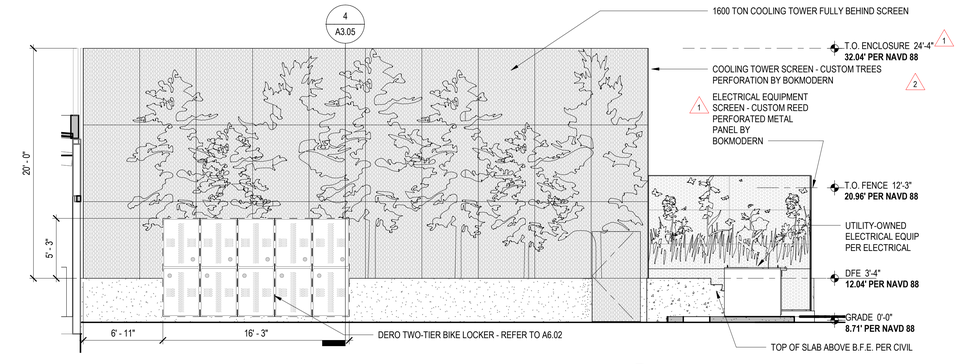
4 PP-UTILITY YARD - SECTION - EAST WEST
SCALE: 3/16" = 1'-0"



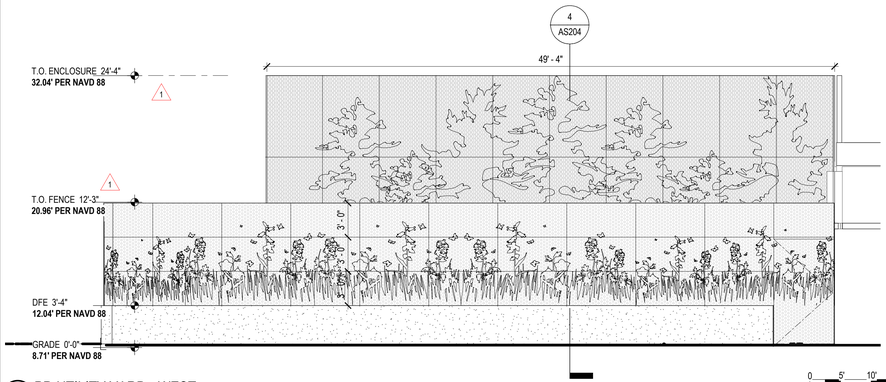
3 PP-UTILITY YARD - NORTH
SCALE: 3/16" = 1'-0"



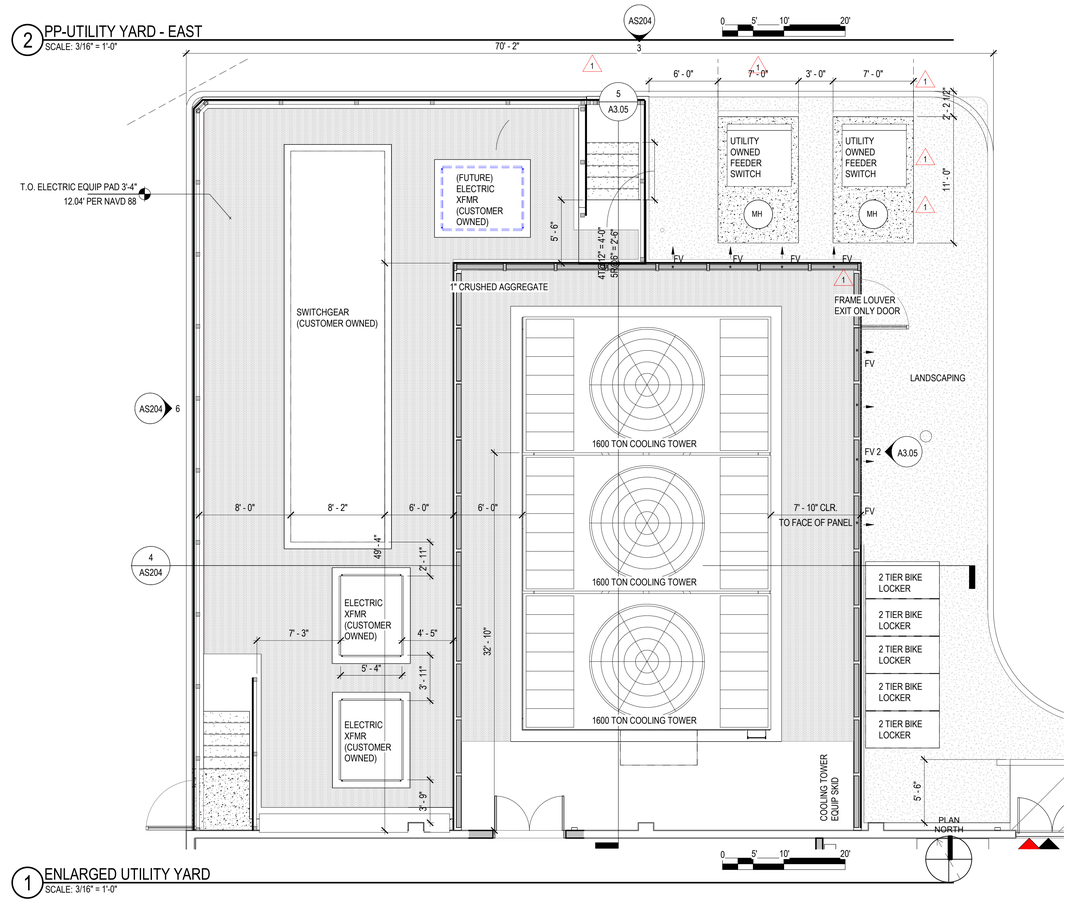
5 PP-UTILITY YARD - SECTION - NORTH SOUTH
SCALE: 3/16" = 1'-0"



2 PP-UTILITY YARD - EAST
SCALE: 3/16" = 1'-0"



6 PP-UTILITY YARD - WEST
SCALE: 3/16" = 1'-0"



1 ENLARGED UTILITY YARD
SCALE: 3/16" = 1'-0"

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KEY PLAN

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5	PLANNING PC#3	04.04.23
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	PLANNING PERMIT	04.14.22

CLIENT GOOGLE INC.

PROJECT EM20

ADDRESS 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO. 22038

SCALE 3/16" = 1'-0"

TITLE

UTILITY YARD PLAN AND ELEVATIONS

A3.05

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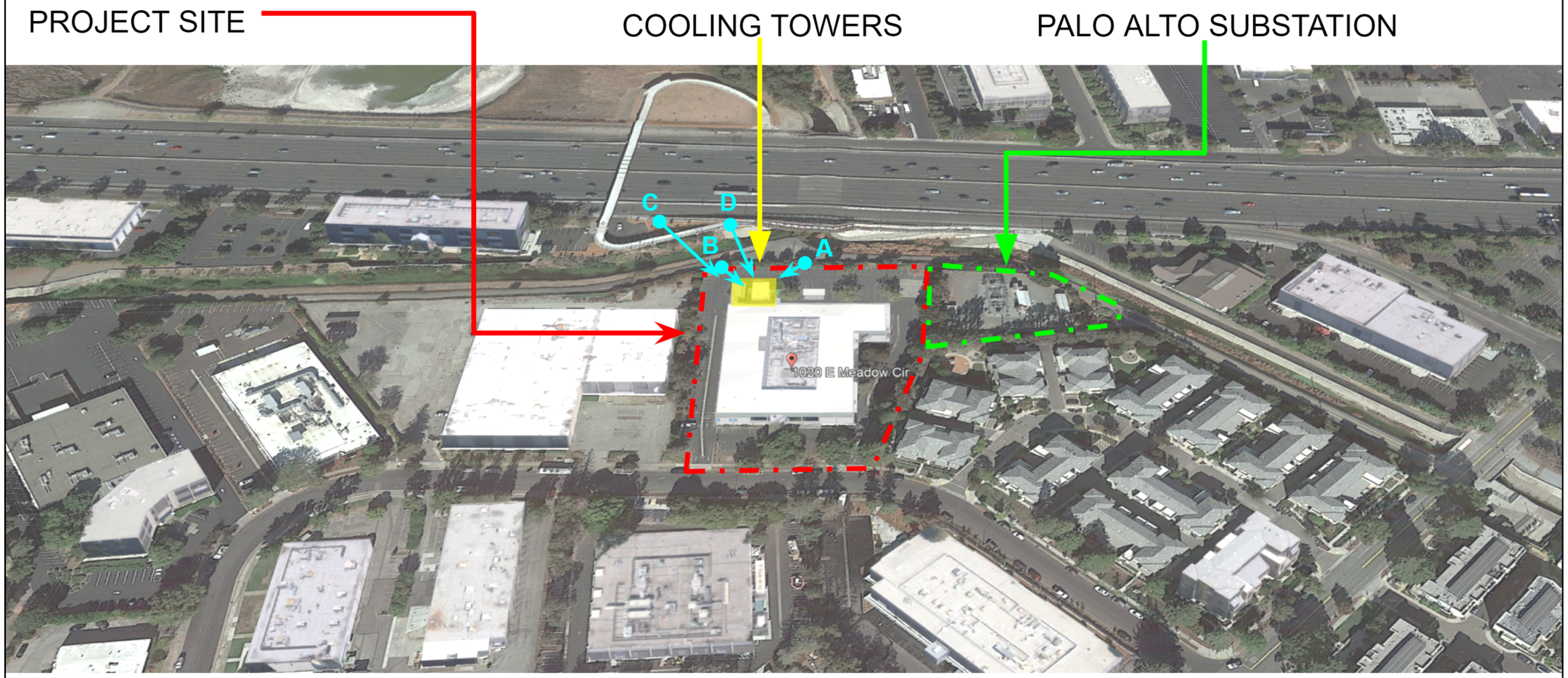

COOLING TOWER SCREEN STUDY - NEIBORHOOD CONTEXT KEY PLAN

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	PLANNING PERMIT	04.14.22

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
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PROJECT NO.: 22038

SCALE:

TITLE:

NEIGHBORHOOD CONTEXT KEYPLAN

2

A3.06

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VIEW-C: COOLING TOWER SCREEN - PEDESTRIAN BRIDGE PERSPECTIVE

VIEW D: COOLING TOWER SCREEN - NORTH WEST PERSPECTIVE

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UTILITY YARD CONTEXT RENDERING

2

A3.07

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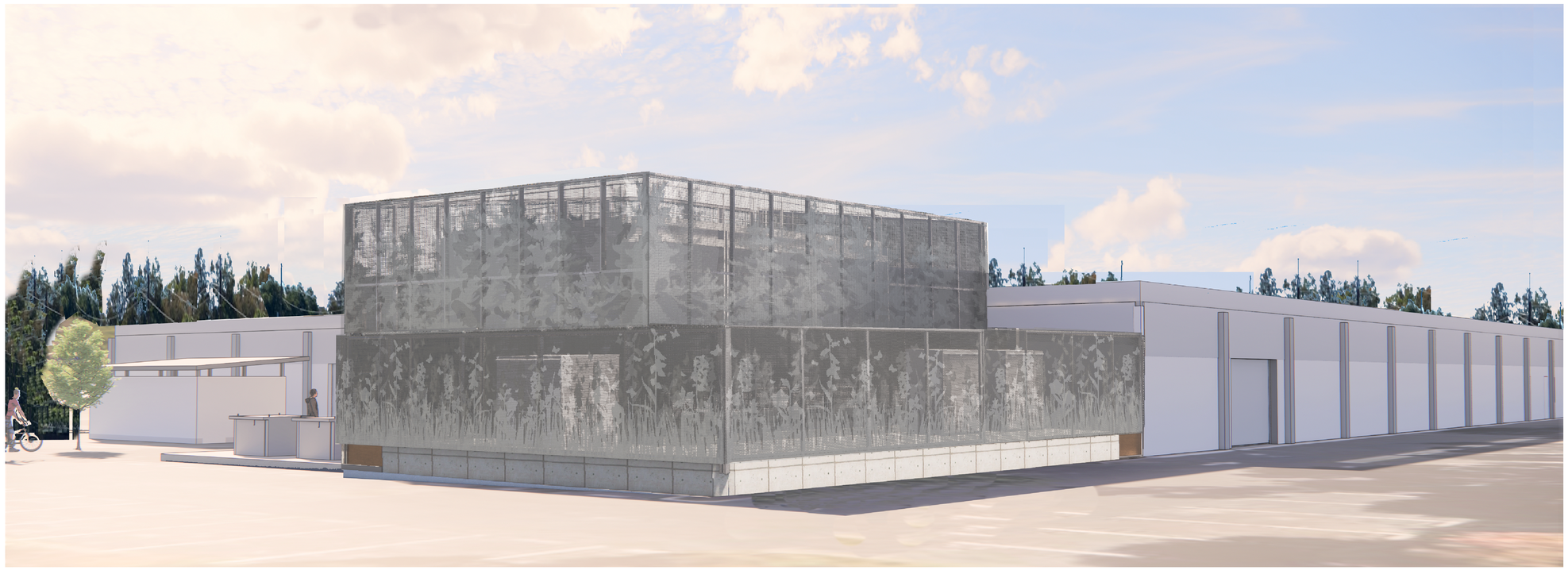
VIEW A: COOLING TOWER SCREEN - NORTH EAST PERSPECTIVE



VIEW B: COOLING TOWER SCREEN - NORTH WEST PERSPECTIVE

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PROJECT NO.: 22038

SCALE:

TITLE:

UTILITY YARD PERSPECTIVE RENDERING

2

A3.08

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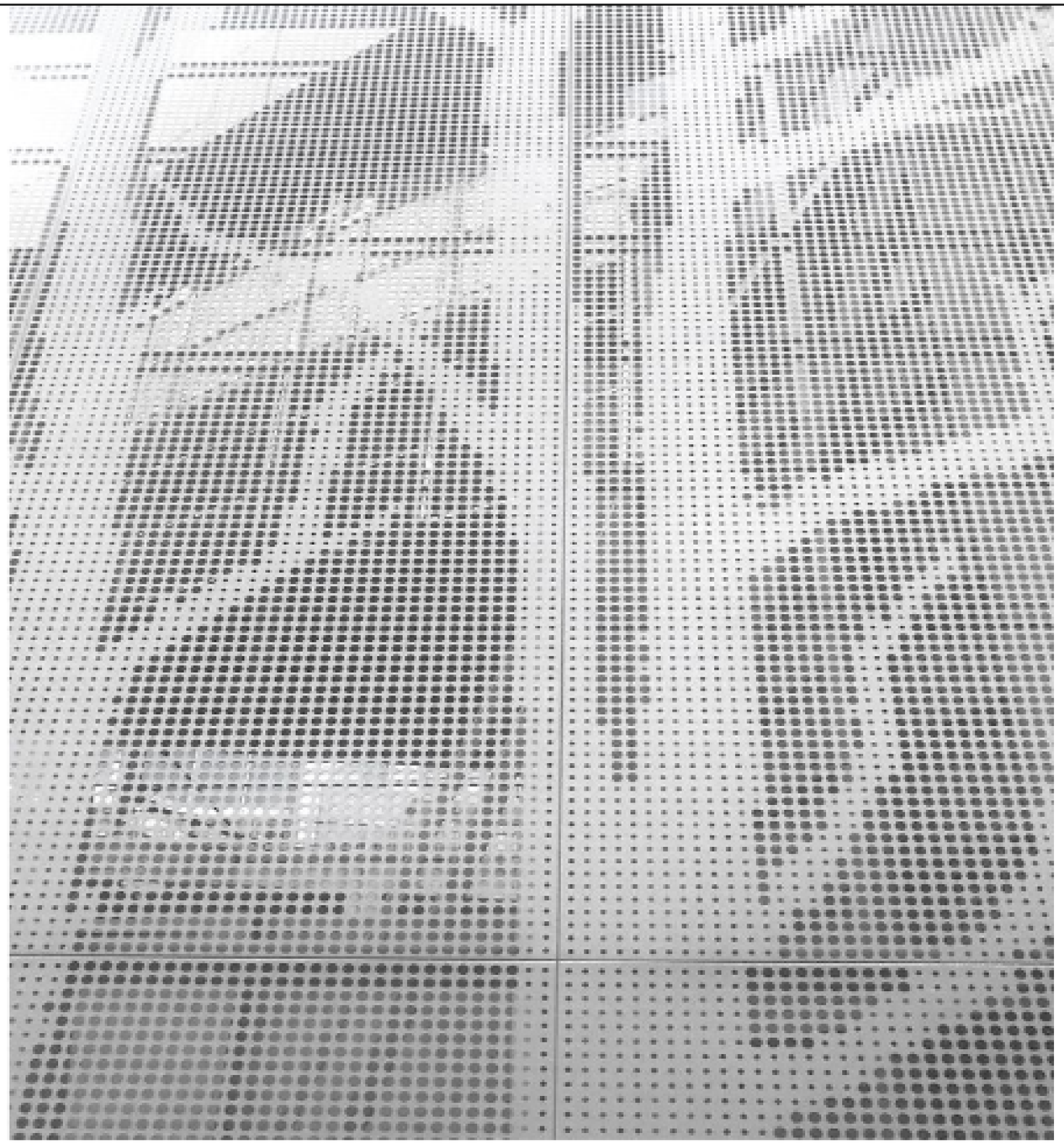


MP - CUSTOM PERFORATED METAL PANEL - BY BOKMODERN: ENFOLD FACADE SYSTEM
"TREES" @ COOLING TOWER SCREEN
"REEDS" @ ELECTRICAL YARD SCREEN

ENFOLD FAÇADE

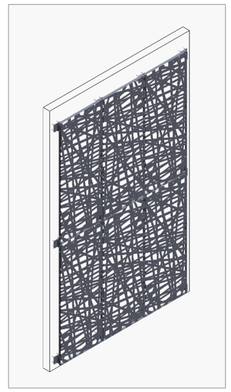
WALLSCREEN

- Introduction
- Patterns
- Project List
- Wall/Green screen system
- Plan / Elevation
- Typical Details
  - Elevation Detail
  - Section Detail
  - Panel Connection
  - Intersecting Panel
- Installation Sequence

BY BÖK MODERN

ENFOLDFACADE.COM

ENFOLD FACADE WALL/GREEN SCREEN SYSTEM



DESCRIPTION

- Wall/green screen panels can be mounted in a modular configuration using standard knifeblade support brackets.
- Standard and custom patterns.
- Interior and exterior applications.
- Bracket plate can be concealed behind finish.

	ALUMINUM	COR-TEN
THICKNESS	1/8", 3/16"	14 or 12 gauge
FINISHES	Powder Coat, Kynar, Anodized, Unfinished	Unfinished
MAX SIZE	See pg:4	See pg:4

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ENFOLD FAÇADE

WALLSCREEN

- Introduction
- Patterns
- Project List
- Wall/Green screen system
- Plan / Elevation
- Typical Details
  - Elevation Detail
  - Section Detail
  - Panel Connection
  - Intersecting Panel
- Installation Sequence

BY BÖK MODERN

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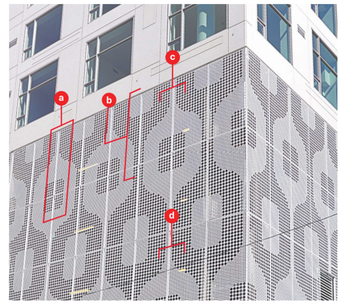
TYPICAL DETAILS



DETAIL KEY

- a **Elevation Detail** wall/green screen panel
- b **Section Detail** wall/green screen panel
- c **Bracket Connection** horizontal section
- d **Intersecting Panel Connection** horizontal section

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ENFOLD FAÇADE

WALLSCREEN

- Introduction
- Patterns
- Project List
- Wall/Green screen system
- Plan / Elevation
- Typical Details
  - Elevation Detail
  - Section Detail
  - Panel Connection
  - Intersecting Panel
- Installation Sequence

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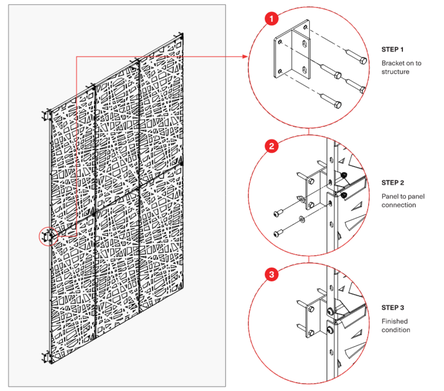
INSTALLATION SEQUENCE



STEP 1
Bracket on to structure

STEP 2
Panel to panel connection

STEP 3
Finished condition

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550 Ellis Street, Mountain View, CA 94043	650-943-1660
201 Filbert Street, 3rd Floor, San Francisco, CA 94133	415-477-2700
2550 Fifth Avenue, Suite 115, San Diego, CA 92103	619-685-3990
1720 8th Street, Sacramento, CA 95811	916-441-6800

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Structural Engineer
Degenkolb Engineers
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415.392.6952

M/E/P Engineer
Alfa Tech Consulting Eng., Inc.
1321 Ridder Park Drive, No. 50
San Jose, CA 95131
408.487.1200

STAMP

LICENSED ARCHITECT
KENDALL DONLEY
NO. C23107
REN. 2/28/23
STATE OF CALIFORNIA

KEY PLAN

NO.	DESCRIPTION	DATE
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE:

TITLE:

SPECIFICATIONS+EXTERIOR FINISHES

A6.01

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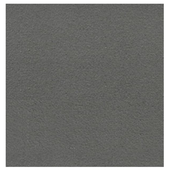
EXTERIOR FINISH SCHEDULE

P1	PAINT STANDARD	MFG: COLOR: NUMBER:	BENJAMIN MOORE STORMY SKY 1616	APPLICATION:	(E) TILT-UP CONCRETE WALLS, SEE A2.01
P2	PAINT ACCENT	MFG: COLOR: NUMBER:	BENJAMIN MOORE PATRIOT BLUE 2064-20	APPLICATION:	(E) TILT-UP WALL REVEAL, SEE A2.01
P3	PAINT ACCENT	MFG: COLOR: NUMBER:	BENJAMIN MOORE WHITE WATER 2120-60	APPLICATION:	(E) EXTERIOR WALLS AT CURTAIN WALL RECESS
P4	PAINT ACCENT	MFG: COLOR: NUMBER:	BENJAMIN MOORE BLACK KNIGHT 2136-10	APPLICATION: FRAMES,	(N) METAL FENCING, (E) WINDOW (E) CURTAIN WALL FRAMES, SEE A2.01, A2.02
PC1	POWDERCOAT	MFG: COLOR: NUMBER:	5 MCBI CHARCOAL GRAY SIGNATURE 200	APPLICATION:	(N) TRASH ENCLOSURE,
CMU	CONCRETE MASONRY UNIT	MFG: STYLE: COLOR: SIZE:	CALSTONE GROUND FACE 3197WC 8 X 8 X 16"	APPLICATION:	(N) TRASH ENCLOSURE, SEE A3.02
RS	ROOF SCREEN	MFG: COLOR: NUMBER:	MCBI SOLAR WHITE SIGNATURE 200	APPLICATION:	(N) MECHANICAL ROOF SCREEN, SEE A2.01, 1/A6.03
MP	PERFORATED METAL PANEL	MFR: COLOR: PERF PATTER:	BOKMODERN STORMY SKY CUSTOM "TREES & REEDS"	APPLICATION:	COOLING TOWER/UTILITY YARD SCREEN

P1 - STORMY SKY 1616

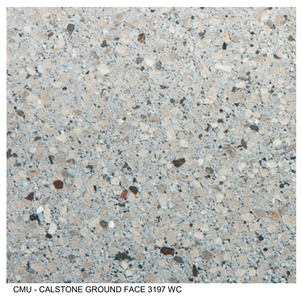
P2 - PATRIOT BLUE 2064-20



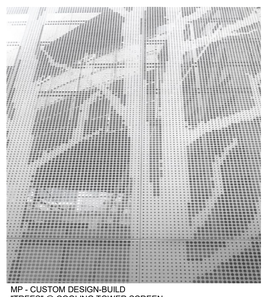
PC1 - CHARCOAL GRAY POWDERCOAT

P3 - WHITE WATER 2120-60

P4 - BLACK KNIGHT 2136-10



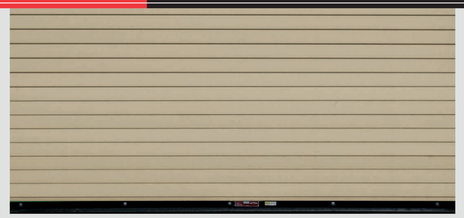
CMU - CALSTONE GROUND FACE 3197 WC



MP - CUSTOM DESIGN-BUILD
"TREES" @ COOLING TOWER SCREEN
"REEDS" @ ELECTRICAL YARD SCREEN

2

STORMTITE™ AP — ADVANCED PERFORMANCE INSULATED ROLLING DOOR



Standard features at a glance

Max. standard width	30'4" (9246 mm)
Max. standard height	19'4" (5893 mm)
Curtain	24 gauge galvanized steel front 24 gauge galvanized steel back
Slat profile	Flat, insulated, type FIT-265
Insulation	Foamed-in-place, CFC and HCFC-free polyurethane
R-value*	10.9 (1.91 W/Msq)
U-factor*	0.84
STC rating	Through curtain 28; Installed system; 21
Flame spread and smoke index	Class A or 1
Finish	Gray, tan, brown or white
Hood	24 ga. galvanized steel
Wind load	20 psf
Standard mounting	Face-of-wall
Operation	Chain hoist
Standard springs	20,000 cycle
Advanced perimeter protection	Bottom weatherseal, interior and exterior EPDM triple-finned guide brush weatherseals, interior hood baffle, and lintel seal
Guides	3-angle structural steel; black powder coated
Bottom bar	Black powder coated steel with vinyl weatherseal
Lock	Padlockable chain keeper
Warranty	24-month limited on door or 3 year limited on door and operator system (when purchased together)

Options

- Air infiltration package that meets requirements of IECC code, which includes: guide cover and cap; interior and exterior triple-finned brush guide seal, lintel seal, bottom astragal
- Between-jamb mounting
- Electric (RHX®, RSX®, RMX®) or crank operation
- Bottom sensing edge
- Sloping bottom bar
- Stainless steel (22 gauge front/24 gauge back) or aluminum slats
- PowderGuard® Zinc or Textured finishes available on curtain, steel bottom bar angles and guides
- PowderGuard® Premium powder coat paint finish in approximately 200 standard colors, or color-matched to specification
- Insulated vision lites uniformly spaced at 1" x 10" (25.4 mm x 254 mm)
- High cycle counter balance with high usage package
- Wind load option available
- Cylinder lock
- Special application doors:
  - Oversized doors
  - Combination doors (2 doors on a single head plate)
  - Pass doors

Cover image: *Model 627, Brown finish, insulated vision lites*

Image above: *Model 627, Tan finish*

* *R-value is a measure of thermal efficiency. The higher the R-value the greater the insulating properties of the door. Overhead Door Corporation uses a calculated door curtain R-value for our insulated doors.*

(N) ROLL-UP DOOR SPEC

TDS 2-19

CALSTONE
CONCRETE MASONRY UNITS

GROUND FACE PRODUCT DATA SHEET 04 220-1

PRODUCT
Concrete Masonry Units

MANUFACTURER
CALSTONE
1155 Aster Ave
Sunnyvale, CA 94086
408-984-8800
CALSTONE.COM

PART 1 - GENERAL

1.1 SUBMITTAL
Submit color samples for selection from manufacturer's offering. Submit product data sheet, certification, and sample(s) of each color specified.

1.2 QUALITY ASSURANCE CERTIFICATIONS
All concrete blocks for any project shall conform to ASTM C90-08.

Units may contain pre-consumer recycled content. Contact your Calstone Architectural representative for details.

Calstone products offer high thermal mass properties, regional materials, low life-cycle costs, mold resistance and will last the life of the building. Calstone products contain no VOC's and are available in a wide range of colors. In addition, custom colors can be provided. Split Face units are ideal for exterior applications. The structural integrity of these units results in a one-step, single-trade installation process.

1.3 FIRE RESISTANCE
Define hourly ratings required by NCMA TEK notes, available at www.ncma.org

1.4 FIELD CONSTRUCTED MOCK-UPS
It is recommended to construct a sample panel, no less than 4' x 4', of each color and size units to be used in the project. Calstone recommends a sample panel be installed at the jobsite prior to installation of any Calstone product. This panel will represent both the quality and the color range of the product and the workmanship to be expected for the project. Either the owner or the architect for the project must approve the panel.

1.5 DELIVERY, STORAGE AND HANDLING
Calstone CMU shall be delivered to the jobsite. Store pallets in single stacks on level ground and cover with waterproof covering (e.g., tarpaulins) to protect the blocks from weather, debris, filth, and other jobsite circumstances. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

1.6 PROJECT/SITE PROTECTION OF WORK
Cover walls each day after installation to keep open walls protected and dry. After units are installed they should be protected from damage by other trades performing operations that can stain or otherwise damage the finished surfaces by covering walls with plastic. Corners should be protected from damage after installation.

PART 2 - PRODUCTS

2.1 PRODUCT NAME
Ground Face Concrete Masonry Units
Photo: 8x8x16 STD

2.2 CMU SIZES AND SHAPES AVAILABLE
(Width x Height x Length)
Nominal 2", 4", 6", 8", 10", 12", and 16" widths
Nominal 4" and 8" heights
Nominal 8" and 16" lengths

Calstone masonry unit mix designs are available in several strengths and weights. Typical strengths are 1900 p.s.i., 2800 p.s.i. and 3750 p.s.i.. Typical weights are light weight, medium weight and normal weight. Colors may vary depending on the mix design needed to meet the requirements of the project specifications. Please contact Calstone for more information.

PART 3 - EXECUTION

3.1 LAYING MASONRY WALLS
Draw blocks from more than one pallet at a time during installation. Refer to NCMA Tek notes available at www.calstone.com, for Hot and Cold weather construction practices.

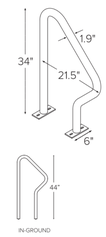
Install only quality units; reject all defective units as defined by ASTM C90. Lay blocks with the face level, plumb and true to the line strung horizontally at the finished face. Units shall have uniform, 3/8"-wide joints both horizontally and vertically on the finished side of the wall. Tool joints neatly after they are thumb print hard. Make them straight and uniform. Size and place cut pieces appropriately to maintain consistency and bond. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

3.2 CUTTING
Mask all cuts, including those for bonding, holes, and boxes, etc. With a motor-driven masonry saw, using either an abrasive or diamond blade, cut neatly and locate for best appearance.

Product Data Sheets are subject to change without notification.

(N) CALSTONE CMU SPEC — **1 of 2**

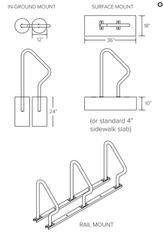
SWERVE RACK
Submittal Sheet



CAPACITY 2 Bikes

MATERIALS
- ☐ **Standard** 1.9" OD schedule 40 pipe
- ☐ **Lightweight** **Powder coat or galvanized only, Surface mount only* 1.9" OD schedule 10 pipe

FINISHES
- ☐ **Galvanized** An after fabrication hot dipped galvanized finish is our standard option on frame components. Pre-fabrication galvanizing is standard on panel components.
- ☒ **Powder Coat** Our powder coat finish assures a high level of adhesion and durability by following these steps: 1. Sandblast 2. Epoxy primer electrostatically applied 3. Final thick TGIC polyester powder coat
- ☐ **Stainless** Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.



MOUNT OPTIONS
- ☒ **In-ground** In ground mount is embedded into concrete base. Specify in ground mount for this option.
- ☐ **Surface** Foot Mount has two 2.5"x6"x.25" feet with two anchors per foot. Specify foot mount for this option.
- ☐ **Rail** Rail Mounted Swerve Racks are bolted to two parallel rails which can be left freestanding or anchored to the ground. Rails are heavy duty 3"x1.4"x3/16" thick galvanized mounting rails. Specify rail mount for this option.

Rack Angle: ☐ 90° ☐ 60°

DERO — www.dero.com | 1-888-337-6729

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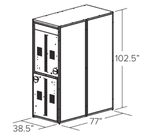
(N) EXTERIOR BIKE RACK SPEC

TWO-TIER BIKE LOCKER
Submittal Sheet



CAPACITY 2 Bikes

MATERIALS Frame: 1.5" x 14g square tube
Sides: 18g plate
Doors: 16g plate
Top: 18g plate

FINISHES
- ☐ **Galvanized** An after fabrication hot dipped galvanized finish is our standard option on frame components. Pre-fabrication galvanizing is standard on panel components.
- ☒ **Powder Coat** Our powder coat finish assures a high level of adhesion and durability by following these steps: 1. Sandblast 2. Epoxy primer electrostatically applied 3. Final thick TGIC polyester powder coat

LOAD DATA 40 psf snow, 90 mph wind exposure B, high seismic

SETBACKS Allow a 60" clearance from door face.

STANDARD
- Leveling feet
- Ventilating window on doors
- Graffiti resistant
- UV resistant

OPTIONS
- Gear hook
- Numbered plates
- Door closer

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(N) EXTERIOR BIKE LOCKER SPEC

CHOOSE OPTIONS

Select Finish Option

[Powder Coat - Light Gray]

Galvanized

Powder Coat

1

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201 Filbert Street, 3rd Floor, San Francisco, CA 94133 415-477-2700
2550 Fifth Avenue, Suite 115, San Diego, CA 92103 619-685-3990
1720 8th Street, Sacramento, CA 95811 916-441-6800

CONSULTANTS

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BKF ENGINEERS
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San Jose, CA 95112
408.467.9100

Landscape Architect
Gates + Associates
1655 N. Main Street, Ste. 365
Walnut Creek, CA 94596
925.736.8176

Structural Engineer
Degenkolb Engineers
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San Francisco, CA 94105
415.392.6952

M/E/P Engineer
Alfa Tech Consulting Eng., Inc.
1321 Ridder Park Drive, No. 50
San Jose, CA 95131
408.487.1200

STAMP

KEY PLAN

NO.	DESCRIPTION	DATE
5	PLANNING PC#3	04.04.23
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT GOOGLE INC.

PROJECT EM20

ADDRESS 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO. 22038

SCALE

TITLE

SPECIFICATIONS+EXTERIOR FINISH SCHEDULE

A6.02

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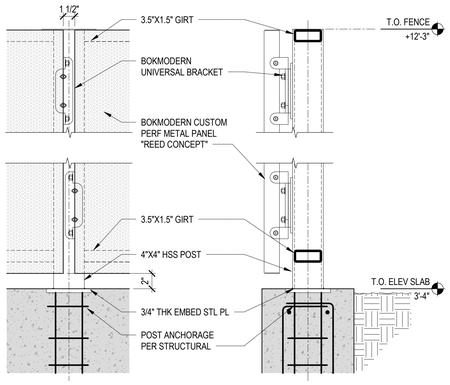
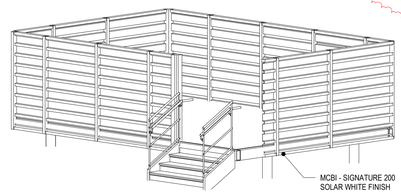


3 DETAIL - SCREEN POST
SCALE: 1 1/2" = 1'-0"

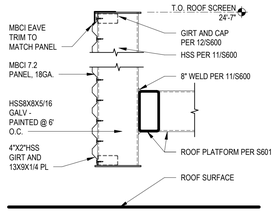


SIGNATURE® 200
STANDARD COLORS
26-GAUGE MATERIAL
PBR, PBU, AVP, PBC, PBD PANELS ONLY

Siliconized Polyester
Polar White is a Straight Polyester.
* Also available in 24 gauge
** Minimum quantities and/or extended lead times required for 24 gauge and 22 gauge.

COBALT BLUE* | HAWAIIAN BLUE* | BURNISHED SLATE* | CHARCOAL GRAY* | ASH GRAY*
KOKO BROWN* | DESERT SAND* | SADDLE TAN* | LIGHT STONE* | SOLAR WHITE*
POLAR WHITE** | RUSTIC RED* | CRIMSON RED* | FERN GREEN*

2 ROOF SCREEN PERSPECTIVE
SCALE:



1 ROOF SCREEN SECTION
SCALE: 1" = 1'-0"

5

SELECTED SPEC FOR NEW WINDOWS AND DOOR FRAMES - KAWNEER TRIFAB VG (VERSAGLAZE)

ECONOMY

Trifab™ VersaGlaze™ 450/451/451T Framing Systems offer four fabrication choices to suit your project (Trifab™ 451UT is available as screw spline fabrication only):

- **Screw Spline** – for economical continuous runs utilizing two-piece vertical members that provide the option to pre-assemble units with controlled shop labor costs and smaller field crews for handling and installation.
- **Shear Block** – for punched openings or continuous runs using tubular moldings with shear block clips that provide tight joints for transporting large pre-assembled multi-lite units.
- **Stick** – for fast, easy field fabrication. Field measurements and material cuts can be done when metal is on the jobsite.
- **Type B** – Same fabrication benefits as shear block except the head and sill run through.

Brighton Landing
Cambridge, Massachusetts
ARCHITECT
ADD Inc., Cambridge, Massachusetts
GLAZING CONTRACTOR
Ipswich Bay Glass Company,Inc., Rowley, Massachusetts
PHOTOGRAPHER
© Gordon Schenck, Jr.

All systems can be flush glazed from either the inside or outside. The weatherseal option provides an alternative to SSG vertical mullions for Trifab™ VersaGlaze™ 450/451/451T. This ABS/ASA rigid polymer extrusion allows complete inside glazing and creates a flush glass appearance on the building exterior without the added labor of scaffolding or swing stages. Additionally, high-performance flashing options are engineered to eliminate perimeter sill fasteners and associated blind seals.

FOR THE FINISHING TOUCH

Architectural Class I anodized aluminum and painted finishes in fluoropolymer (AAMA 2605) and solvent-free powder coatings (AAMA 2604) offer a variety of color choices.

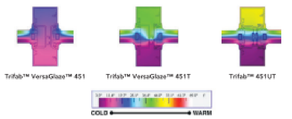
PERFORMANCE

Kawneer's Isolock™ thermal break technology creates a composite section, prevents dry shrinkage and is available on Trifab™ VersaGlaze™ 451T. For even greater thermal performance, a dual Isolock™ thermal break is used on Trifab™ 451UT.

Trifab™ 451UT uses a dual Isolock™ thermal break (right) and features a new high-performance sill design, which incorporates a screw-applied end dam (left), ensuring positive engagement and tight joints between the sill flashing and end dam.

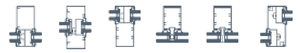
U-factor, CRF values and STC ratings for Trifab™ VersaGlaze™ vary depending upon the glass plane application. Project-specific U-factors can be determined for each individual project. (See the Kawneer Architectural Manual or Kawneer.com for additional information.)

Thermal simulations showing temperature variations from exterior/cold side to interior/warm side.



PERFORMANCE TEST STANDARDS

Air Infiltration	ASTM E283
Water	AAMA 501, ASTM E331
Structural	ASTM E330
Thermal	AAMA 1503
Thermal Break	AAMA 505, AAMA TIR-A8
Acoustical	AAMA 1801, ASTM E1425



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Kawneer Company, Inc. Technology Park / Atlanta
555 Guthridge Court Norcross, GA 30092
770.449.5553 kawneer.com

KAWNEER
ARCHITECTURAL SYSTEMS | ENTRANCES + FRAMING | CURTAIN WALLS | WINDOWS

EXTERIOR LIGHT FIXTURE SCHEDULE

IMAGE	LIGHT TYPE	DESCRIPTION	MANUFACTURER & PRODUCT #	FINISH	LIGHT SOURCE	POWER SUPPLY	SYSTEM WATTS	VOLTAGE	DIMMING PROTOCOL	MIN. DIM. RANGE	LOCATION & NOTES
	LT-**P1**	House side shield, 15' pole with arm mounted exterior LED area light and concrete base mount for pole	Cooper Lighting Solutions McGraw-Edison TT Top Tier Site LED Fixture: TT-D3-LED-E1-T4-PM-BK-TT/HSS-BK Pole: ARX-[SHAFT]-[THICKNESS]-15-A-BK-[MOUNT]-1-D, verified and coordinated by Structural Engineer	Black, houseside shield is Black	Integral LED Beam: Type 4 CCT: 2700°K CRI: 70 Lumens: 4,762 BUG: B2-U0-G3	Integral	48.8	277V	0-10V	20%	Exterior Site Mounting base is 2" high, for a total of 15'-2"
	LT-**P2**	15' pole with arm mounted exterior LED area light and concrete base mount for pole	Cooper Lighting Solutions McGraw-Edison TT Top Tier Site LED Fixture: TT-D3-LED-E1-T4-PM-BK-TT/HSS-BK Pole: ARX-[SHAFT]-[THICKNESS]-15-A-BK-[MOUNT]-1-D, verified and coordinated by Structural Engineer	Black, houseside shield is Black	Integral LED Beam: Type 4 CCT: 2700°K CRI: 70 Lumens: 4,762 BUG: B2-U0-G3	Integral	48.8	277V	0-10V	20%	Exterior Site Mounting base is 2" high, for a total of 15'-2"
	LT-**P3**	2-Head, 180° arm, 15' pole with arm mounted exterior LED area light with bi-level motion sensor, button photocell, and concrete base mount for pole	Cooper Lighting Solutions McGraw-Edison TT Top Tier Site LED Fixture: TT-D3-LED-E1-T4-PM-BK-TT/HSS-BK Pole: ARX-[SHAFT]-[THICKNESS]-15-A-BK-[MOUNT]-1-D, verified and coordinated by Structural Engineer	Black, houseside shield is Black	Integral LED Beam: Type 4 CCT: 2700°K CRI: 70 Lumens: 4,762 BUG: B2-U0-G3	Integral	98	277V	0-10V	20%	Exterior Site Mounting base is 2" high, for a total of 15'-2"
	LT-**W1**	Exterior perimeter entry sconce, wall mounted exterior wet rated LED downlight, ADA compliant	WAC/dweLED Mod WS-W65607-3000K-16.5W-120-277 VAC-1165-850-BK	Black	Integral LED Beam: Type 4 CCT: 2700°K CRI: 80 Lumens: 1,165	Integral	16.5	120/277V	ELV/Reverse Phase	10%	Exterior Entries Height at 4'-6" AFF to the bottom of the fixture, to be verified with Architect prior to installation. Fixture will be dimmable to set scenes and controlled by daylight and motion sensor
	LT-**W2**	Exterior perimeter wall mounted LED area light with house side shield, fixture to replace existing perimeter building parking lot lighting	Cooper Lighting Solutions McGraw-Edison TT Top Tier Wall Mount LED Fixture: TT-D3-830-U-DL-WM-_-BK-PM-BK-TT/HSS-BK	Black, houseside shield is Black	Integral LED Beam: Type 4 CCT: 2700°K CRI: 70 Lumens: 4,762 BUG: B2-U0-G3	Integral	48.8	277V	0-10V	20%	Exterior Perimeter of building Wall wire to be concealed and wired to new wall mount location, fixture support to be reinforced in wall. Fixture height to be as high as building allows. Fixture will be controlled by daylight and motion sensor with bi-level-levels as code requires. Submit alternates if desired control to be on 'Enlightened'.
Carbon-Matte Black (CRB)	LT-**W3**	Exterior wall mounted LED up/downlight	Justice Design Group CER-1165W-LED-2000-0-10V-CRB Finish-exterior:Carbon Matte Black Finish-internal: Matte White	Carbon Matte Black exterior, white interior	Integral LED CCT: 2700°K CRI: 70+ Lumens: -	Integral	24	120/277V	0-10V	5%	Front Entry Mounting per mfr.

SELECTED GLASS SPEC FOR ALL GLAZING REPLACEMENTS - GUARDIAN GLASS SUNGUARD SNR43

GUARDIAN SUNGUARD
Advanced Architectural Glass

SuperNeutral® SNR

SunGuard® SNR 43

LOW HEAT GAIN. MEDIUM REFLECTIVITY. SUPER ENERGY SAVINGS.

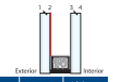
The next generation in glass performance is now available from Guardian. Introducing SNR 43 with a super-low SHGC of 0.23 on clear float glass and a 1.89 light-to-solar gain (LSG) ratio. SNR 43 is a great choice for all types of commercial projects and provides an excellent vision to spandrel match.

SunGuard SNR 43
Anaha, Honolulu, HI

At a glance

- Medium visible light transmission: 43%
- Light silver-blue exterior appearance
- Excellent solar control: 0.23 SHGC
- Helps projects qualify for LEED credits
- Available on Clear, UltraClear, CrystalGray, Gray, Green, and CrystalBlue float glass
- SNR 43 must be supplied as heat-treated glass by a Guardian Select Fabricator

SunGuard products are produced at multiple U.S. locations and are distributed through Guardian's independent network of Select Fabricators. To locate a Select Fabricator, visit www.SunGuardGlass.com.



Insulating Glass Data

Product	Outboard - Inboard Substrate	Appearance	Transmittance: Visible Light %	Transmittance: Ultra-violet %	Transmittance: Solar Energy %	Reflectance: Visible Light Out %	Reflectance: Visible Light In %	Reflectance: Solar Energy Out %	U-Value Winter Nighttime: Air	U-Value Winter Nighttime: Argon	Relative Heat Gain	Solar Heat Gain Co-efficient	Light to Solar Gain (LSG)
SuperNeutral			Coating #2 Surface									6 mm/12.7 mm a.s./6 mm	
SNR 43	UltraClear - UltraClear	Light Silver	45	24	21	28	14	54	0.29	0.24	56	0.23	1.96
	Clear - Clear	Light Silver	43	17	19	28	14	43	0.29	0.24	56	0.23	1.89
	Green - Clear	Green	36	8	14	21	14	14	0.29	0.24	50	0.20	1.78
	CrystalGray - Clear	Silver Gray	31	9	13	16	14	21	0.29	0.24	47	0.19	1.59
	Gray - Clear	Silver Gray	22	8	10	10	13	19	0.29	0.24	41	0.17	1.31
	CrystalBlue - Clear	Silver Blue	28	11	13	14	13	26	0.29	0.24	46	0.19	1.50

- The performance values shown are nominal and subject to variations due to manufacturing tolerances.
- Guardian performance data are calculated for center-of-glass only (no spacer or framing) in accordance with the LBNL Window 7 program.
- A slight shift in visible light reflectance or transmission may be noticed after heat-treatment.
- Relative Heat Gain, Solar Heat Gain Coefficient and/or LSG may change slightly when using argon gas fill.
- Guardian reserves the right to change product performance characteristics without notice or obligation.

To learn more, call us at
1-866-GuardSG (482-7374) or visit us online
www.SunGuardGlass.com

GUARDIAN GLASS

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STAMP

KEY PLAN

NO.	DESCRIPTION	DATE
5	PLANNING PC#3	04.04.23
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT GOOGLE INC.

PROJECT EM20

ADDRESS 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO. 22038

SCALE As indicated

TITLE

SPECIFICATIONS+EXTERIOR FINISHES

A6.03

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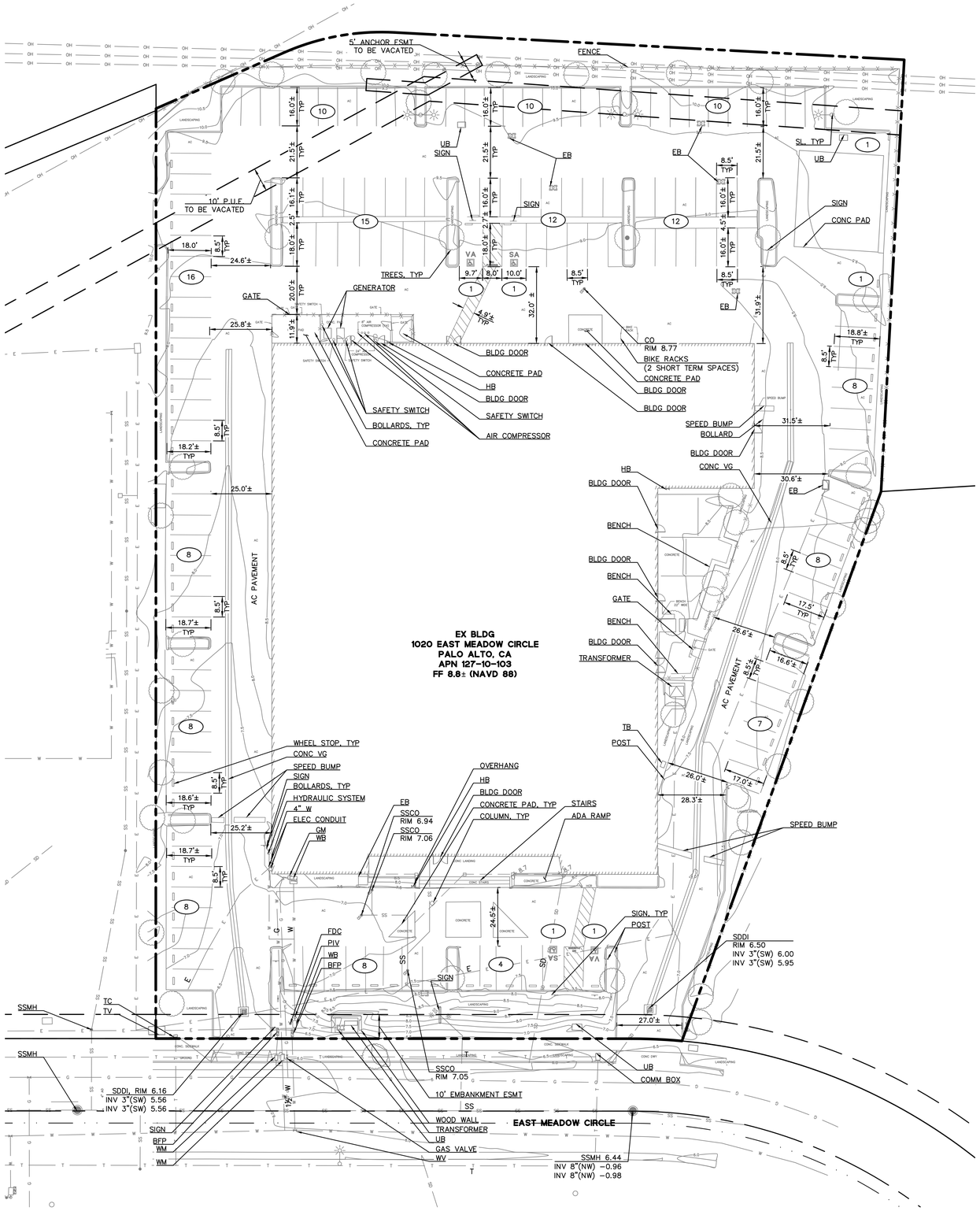

GRAPHIC SCALE

20 0 20 40

NOTES

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   SITE DATUM EQUATION: NGVD 29 (BM #2394) + 3.006' = NAVD 88

   BM #2394/BKF PT. #100 ELEVATION = 6.266' (NAVD88)
5. FEMA BASE FLOOD ELEVATION = 11 ZONE AE (NAVD 88) PER FEMA FIRM MAP NUMBER 06085C0036H.
6. EXISTING VEHICLE PARKING COUNT:

PARKING TYPE	STALLS
STD PARKING	146
VAN ADA PARKING	2
STD ADA PARKING	2
TOTAL PARKING	150

7. EXISTING BICYCLE PARKING COUNT:

PARKING TYPE	STALLS
LONG TERM	0 (LOCKER SPACES)
SHORT TERM	2 (RACK SPACES)
TOTAL	2

LEGEND

- PROPERTY LINE
- EASEMENT
- (11) PARKING COUNT
- VA VAN ADA ACCESSIBLE STALL
- SA STD ADA ACCESSIBLE STALL
- EXISTING TREE

ABBREVIATIONS

AC	ASPHALT CONCRETE
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
CO	CLEANOUT
COMM	COMMUNICATION
CONC	CONCRETE
E/ELEC	ELECTRIC
EB	ELECTRICAL BOX
ESMT	EASEMENT
INV	INVERT
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
G	GAS
GM	GAS METER
HB	HOSE BIB
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NGVD 29	NATIONAL GEODETIC VERTICAL DATUM OF 1929
(NW)	NORTH WEST
OH	OVERHEAD
PCC	PORTLAND CEMENT CONCRETE
PIV	POST INDICATOR VALVE
PUE	PUBLIC UTILITY EASEMENT
SD	STORM DRAIN
SDDI	STORM DRAIN DROP INLET
SL	SITE LIGHT
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
(SW)	SOUTH WEST
T	TELEPHONE
TB	TELEPHONE BOX
TC	TELEPHONE CABINET
TV	TELEPHONE VAULT
TYP	TYPICAL
UB	UTILITY BOX
VG	VALLEY GUTTER
(W)	WEST
W	WATER
WB	WATER BOX
WM	WATER METER
WV	WATER VALVE

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KEY PLAN

NO.	DESCRIPTION	DATE
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

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www.bkf.com

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE: AS SHOWN

TITLE

EXISTING CONDITIONS PLAN

C1.0

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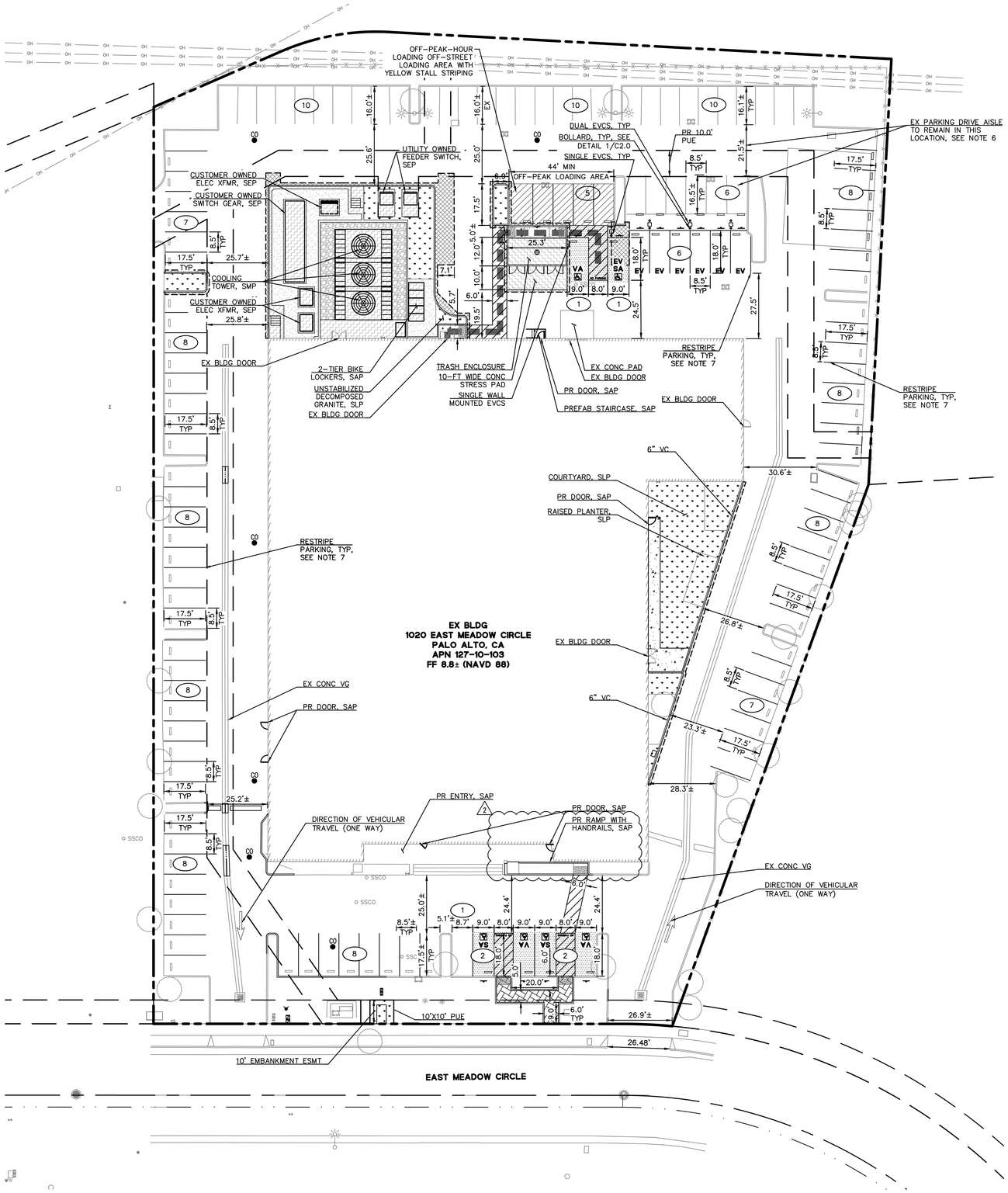
DRAWING NAME: \\BKF-cvol\V2021\21387_1020_East_Meadow_Palo_Alto\ENGVPLANNING\SHEETS\C1.0 EXCOND.dwg
PLOT DATE: 02-16-23 PLOTTED BY: cvial



GRAPHIC SCALE

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3. FOR BASIS OF BEARING AND PROJECT BENCHMARK, SEE SHEET C1.0
4. PROPOSED VEHICLE PARKING COUNT:

PARKING TYPE	STALLS
STD PARKING	118
VAN ADA PARKING	3*
STD ADA PARKING	2*
EV STD PARKING	6
EV STD ADA PARKING	1*
TOTAL PARKING	136

*136 STALLS CALCULATED WHEN ACCOUNTING FOR THE 1 VAN ADA STALL OR ACCESSIBLE STALL ADJACENT TO ACCESSIBLE PATH OF TRAVEL AS 2 STANDARD STALLS PER CITY OF PALO ALTO MUNICIPAL CODE 18.52.040.

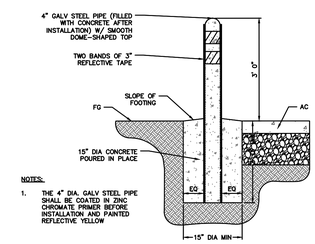
5. PROPOSED BICYCLE PARKING COUNT (PER CITY MUNICIPAL CODE 18.54.060):

PARKING TYPE	STALLS
SHORT TERM	4 (RACK SPACES)
TOTAL	4

6. PROTECT IN PLACE EXISTING PARKING STALLS TO REMAIN WHERE NO PAVEMENT IMPROVEMENTS ARE PROPOSED.
7. PARKING STALLS TO BE RESTRIPED PER PAMC 18.52 WHERE PAVEMENT IMPROVEMENTS ARE PROPOSED. DRIVE AISLE WIDTH VARIES, SEE PLAN.
8. CONTRACTOR TO PROVIDE AC PAVEMENT SLURRY SEAL AS NEEDED FOR THE SITE OR AS REQUESTED BY THE ENGINEER AND/OR OWNER.

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF WORK
- SAWCUT LINE
- 2" AC GRIND AND OVERLAY LINE
- ADA ACCESSIBLE PATH OF TRAVEL
- (11) PARKING COUNT
- VA VAN ADA ACCESSIBLE STALL
- SA STD ADA ACCESSIBLE STALL
- EV ELECTRIC VEHICLE STALL
- EXISTING TREE TO REMAIN
- PROPOSED TREE
- EX PARKING TO REMAIN, SEE NOTE 6
- PROPOSED PARKING, SEE NOTE 7
- DEEP LIFT/AC PAVEMENT, MATCH ADJACENT EXISTING PAVEMENT SECTION
- GRIND & OVERLAY AC PAVEMENT
- UTILITY YARD/TRASH ENCLOSURE CONCRETE
- NON-VEHICULAR CONCRETE
- PERMEABLE PAVERS, SLP
- TRUNCATED DOMES
- LANDSCAPE, SLP
- GRAVEL, SLP
- UNSTABILIZED DECOMPOSED GRANITE



1 BOLLARD DETAIL
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	PLANNING PERMIT	04.14.22

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www.bkf.com

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE: AS SHOWN

TITLE: SITE PLAN

C2.0

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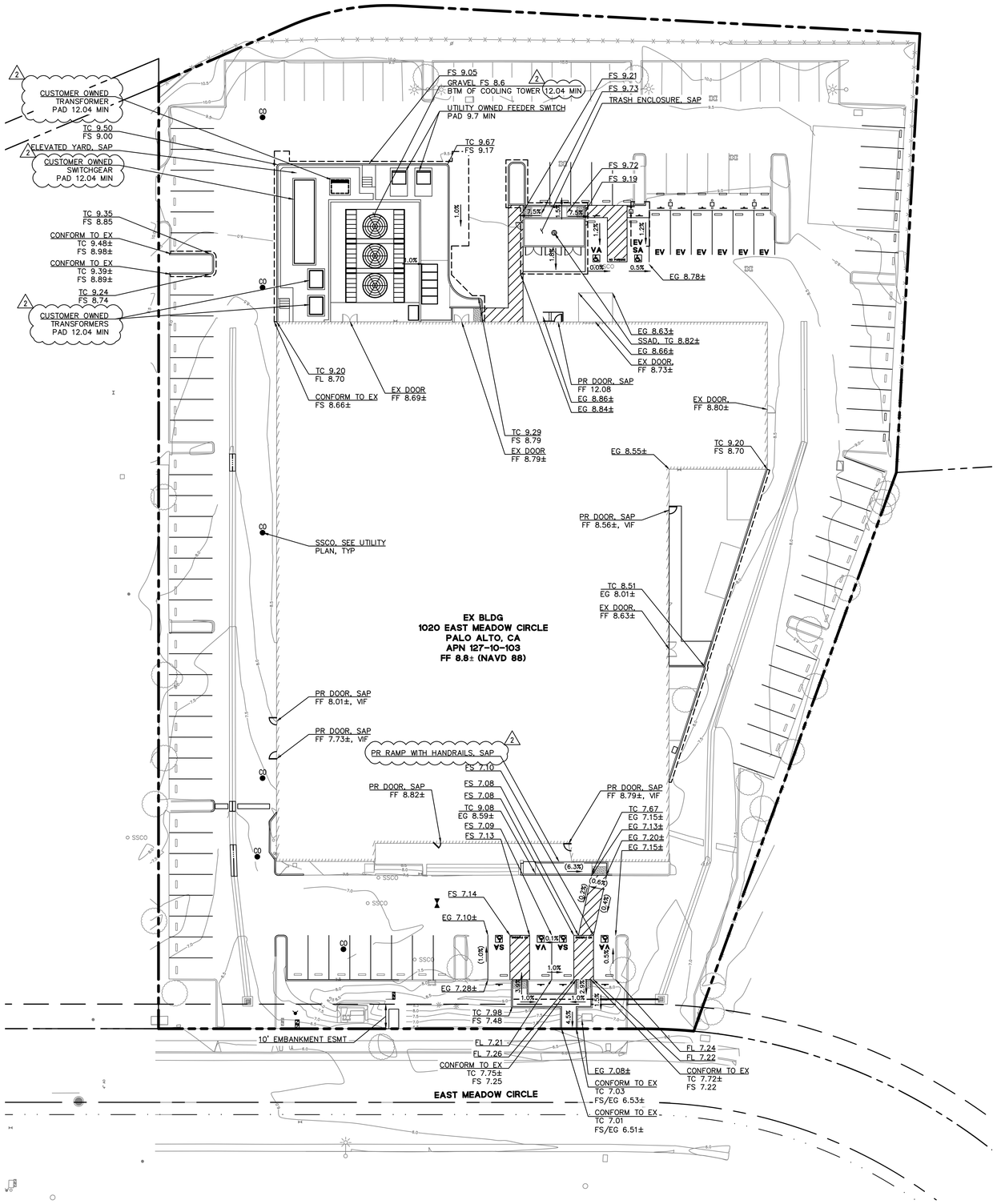
DRAWING NAME: \\bkf-sjvol4\2021\21367_1020_East_Meadow_Palo_Alto\ENG\PLANNING\SHEETS\C2.0 PRS1TE.dwg
PLOT DATE: 02-16-23 PLOTTED BY: Chui



GRAPHIC SCALE

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   SITE DATUM EQUATION: NGVD 29 (BM #2394) + 3.006' = NAVD 88

   BM #2394/BKF PT. #100 ELEVATION = 6.266' (NAVD88)

LEGEND

———	PROPERTY LINE
— — —	EASEMENT
– – –	LIMIT OF WORK
- - - -	SAWCUT LINE
— — —	2" AC GRIND AND OVERLAY LINE
VA	VAN ADA ACCESSIBLE STALL
SA	STD ADA ACCESSIBLE STALL
EV	ELECTRIC VEHICLE STALL
	EXISTING TREE TO REMAIN
	PROPOSED TREE
(X.X%)	EXISTING FLOW ARROW
X.X%	PROPOSED FLOW ARROW

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CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

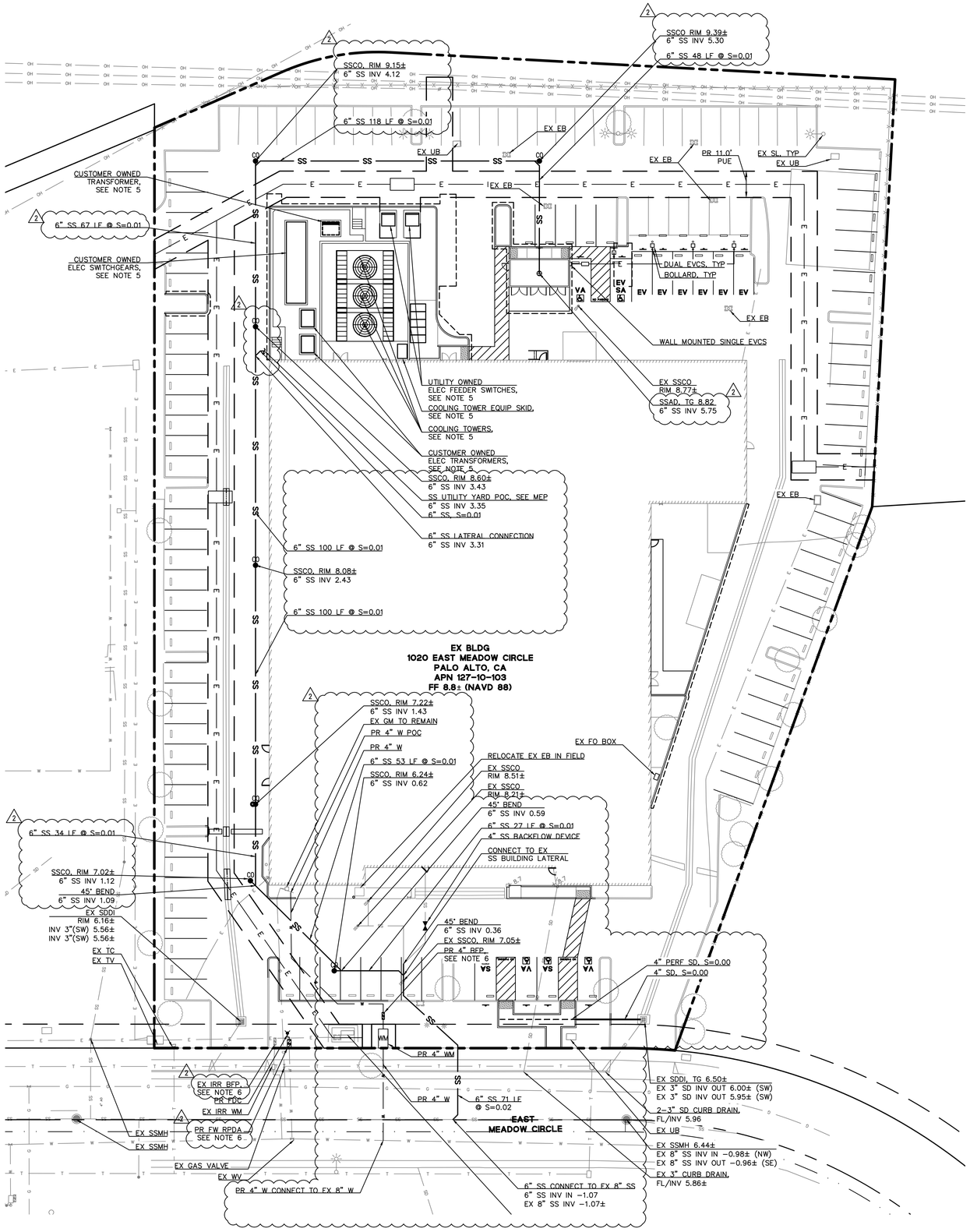
SCALE: AS SHOWN

TITLE

GRADING AND DRAINAGE PLAN

C3.0

DRAWING NAME: \\Bkf-cs\vol1\A3021\12367_1020_East_Meadow_Palo_Alto\ENG\PLANNING\SHEETS\C3.0 GRD.dwg
PLOT DATE: 02.16.23 PLOTTED BY: cruz



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3. FOR BASIS OF BEARING AND PROJECT BENCHMARK, SEE SHEET C1.0
4. INSTALL 4" PVC RECTORSEAL SANITARY SEWER CLEAN CHECK BACKWATER VALVE, OR APPROVED EQUAL
5. THE ELECTRICAL INFRASTRUCTURE IS SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS FOR FINAL APPROVED DESIGNS OF THE ELECTRICAL INFRASTRUCTURE.
6. AN APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY AND REDUCED PRESSURE DETECTOR ASSEMBLY ARE REQUIRED – RPPA AND RPDA BACKFLOW PREVENTERS. THE RPPA AND RPDA SHALL BE INSTALLED ON THE OWNER'S PROPERTY AND DIRECTLY BEHIND THE WATER METER AND CITY'S FIRE SERVICE PER THE CITY'S STANDARD DETAIL WD-11A AND WD-12A OR M-47C DRAWING. CONTRACTOR TO VERIFY EXISTING RPPA AND RPDA PRIOR TO CONSTRUCTION.
7. NEW SEWER LATERAL INSTALLATION REQUIREMENT: EXISTING SEWER LATERALS (CITY'S CO TO SEWER MAIN) IF DETERMINED TO BE IN POOR CONDITION SHALL BE REPLACED AT THE OWNER'S EXPENSE. A VIDEO INSPECTION AND FULL EVALUATION OF THE LATERAL WILL BE PERFORMED BY WOW UTILITY OPERATIONS ONLY IF THERE IS ACCESS FROM THE CITY CLEANOUT TO INSERT THE VIDEO CAMERA. LATERALS WITH NO CITY CLEANOUTS ARE CONSIDERED PRIVATE. THE APPLICANT WILL BE INFORMED OF THE SEWER LATERAL ASSESSMENT AND THE NEED TO INSTALL A NEW LATERAL.
8. ELECTRICAL UTILITIES SHOWN HEREON ARE FOR REFERENCE ONLY.

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF WORK
- SAWCUT LINE
- 2" AC GRIND AND OVERLAY LINE
- SS — EX SANITARY SEWER LINE
- W — EX DOMESTIC WATER LINE
- SD — EX STORM DRAIN LINE
- G — EX GAS LINE
- E — EX ELECTRICITY LINE
- OHE — EX OVERHEAD LINE
- T — EX TELEPHONE LINE
- EX SANITARY SEWER MANHOLE (SSMH)
- W — W — PR DOMESTIC WATER LINE
- E — PR ELECTRICAL LINE
- PR SANITARY SEWER LINE (SS)
- CO — PR SANITARY SEWER CLEANOUT (SSCO)
- PR SANITARY SEWER AREA DRAIN (SSAD)
- PR SANITARY SEWER CLEAN CHECK BACKWATER VALVE (SSCC)
- PR STORM DRAIN AREA DRAIN (SDAD)
- PR STORM DRAIN BUBBLE-UP (SDBU)
- VA — VAN ADA ACCESSIBLE STALL
- SA — STD ADA ACCESSIBLE STALL
- EV — ELECTRIC VEHICLE STALL
- EXISTING TREE TO REMAIN
- PROPOSED TREE

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1720 8th Street, Sacramento, CA 95811 916-441-6800

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Landscape Architect
Gates + Associates
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Structural Engineer
Degenkolb Engineers
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415.392.6952

M/E/P Engineer
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1321 Ridder Park Drive, No. 50
San Jose, CA 95131
408.487.1200

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KEY PLAN

NO.	DESCRIPTION	DATE
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

BKF ENGINEERS
255 SHORELINE DRIVE
SUITE 200
REDWOOD CITY, CA 94065
(650) 482-6300
www.bkf.com

CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO. 22038

SCALE: AS SHOWN

TITLE

UTILITY PLAN

C4.0

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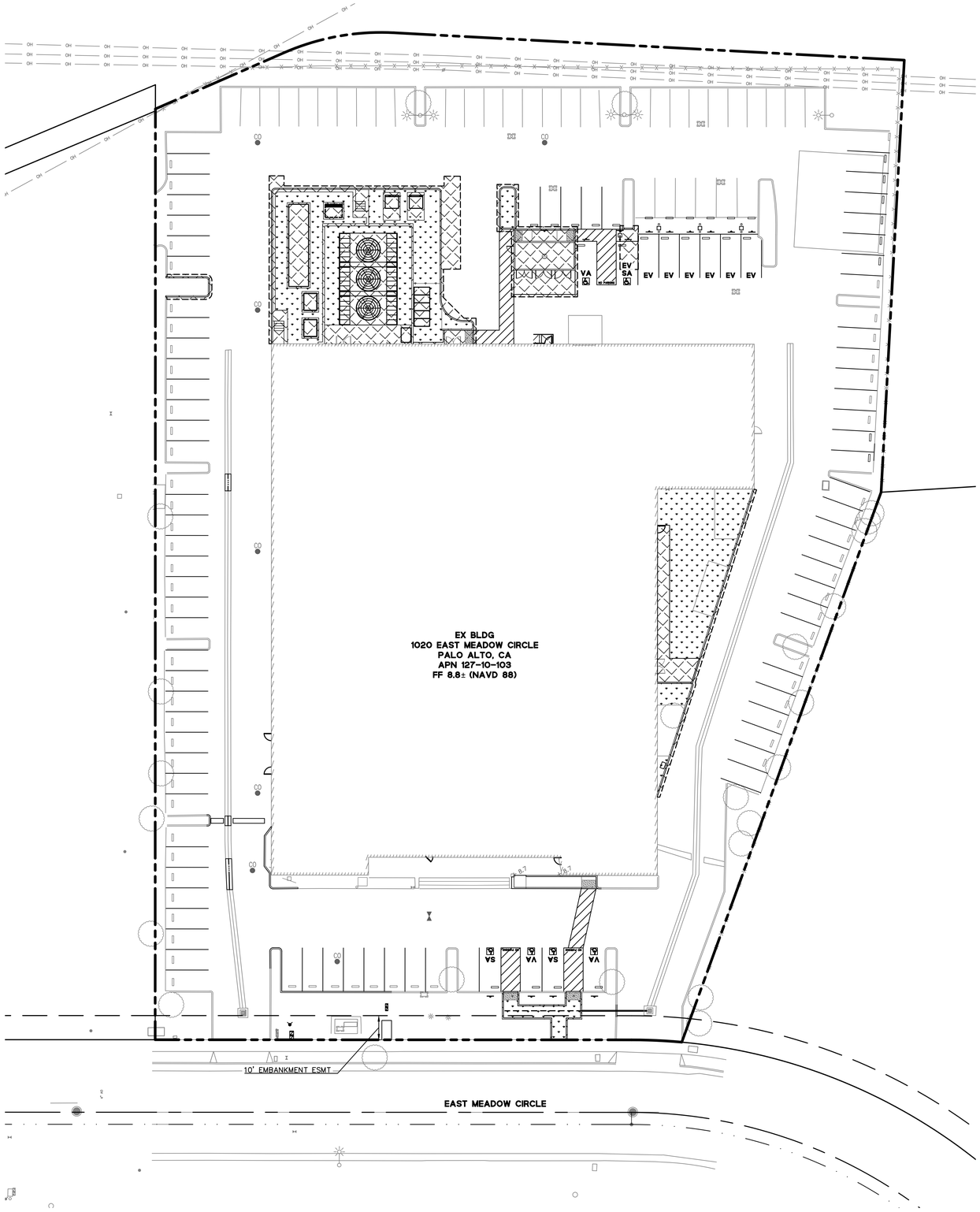
DRAWING NAME: \\Bk1-fs\vol4\2021\12367_1020_East_Meadow_Palo_Alto\ENG\PLANNING\SHEETS\C4.0 UTIL.dwg
PLOT DATE: 02-16-23 PLOTTED BY: cruz



GRAPHIC SCALE

20 0 20 40

NOTES

1. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON LAND SURVEY PREPARED BY BKF. EXISTING TOPOGRAPHIC INFORMATION IS BASED ON TOPOGRAPHIC SURVEY BY BKF ENGINEERS.
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3. FOR BASIS OF BEARING AND PROJECT BENCHMARK, SEE SHEET C1.0

LEGEND

- PROPERTY LINE
- EASEMENT
- LIMIT OF WORK
- SAWCUT LINE
- (11) PARKING COUNT
- VA VAN ADA ACCESSIBLE STALL
- SA STD ADA ACCESSIBLE STALL
- EV ELECTRIC VEHICLE
- EXISTING TREE TO REMAIN
- PROPOSED TREE
- PROPOSED IMPERVIOUS AREA = 4,802 SF
- PROPOSED PERVIOUS AREA

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PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
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PROJECT NO.: 22038

SCALE: AS SHOWN

TITLE

STORMWATER CONTROL PLAN

C5.0

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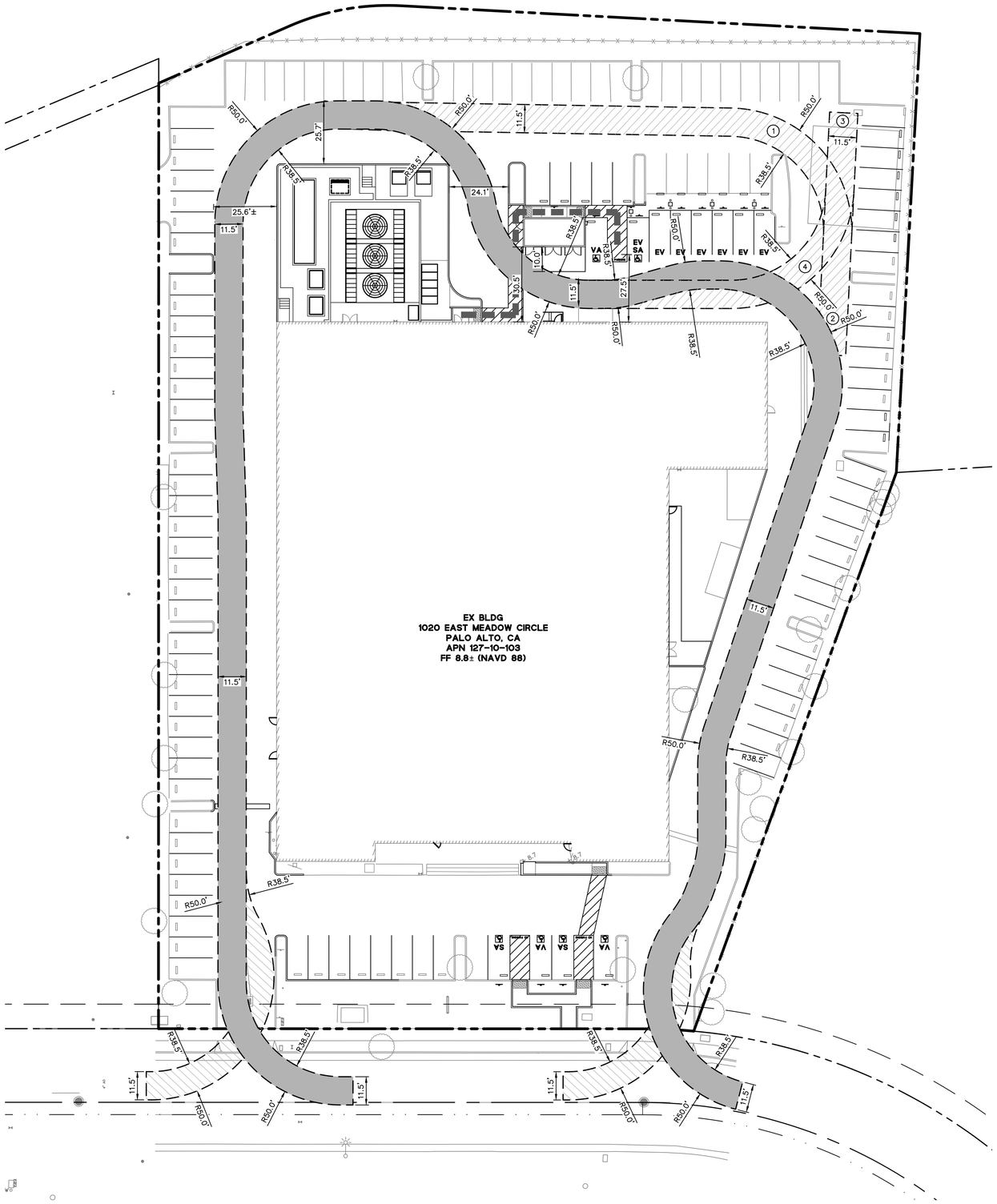
DRAWING NAME: \\BKF-rc\Vol4\2021\212367.1020_East_Meadow_Palo_Alto\ENG\PLANNING\SHEETS\C5.0 SWMP.dwg
PLOT DATE: 02-16-23 PLOTTED BY: cruiz



GRAPHIC SCALE

20 0 20 40

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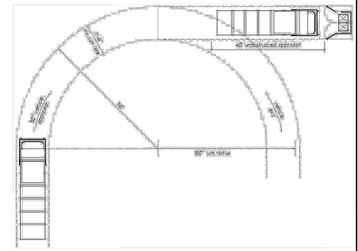
3. FOR BASIS OF BEARING AND PROJECT BENCHMARK, SEE SHEET C1.0
4. A MINIMUM VERTICAL CLEARANCE OF 14'-6" SHALL BE PROVIDED ALONG THE TRASH & RECYCLING TRAVEL WAY.
5. SEE DETAIL 'A' BELOW FOR TRASH AND RECYCLE COLLECTION VEHICLE TRUCK TURN TEMPLATE PER THE CITY OF PALO ALTO TRASH ENCLOSURE AREA GUIDELINES (MARCH 2017)

LEGEND

- (1) TRUCK TURNING POSITION MOVEMENT
- TRASH AND RECYCLE COLLECTION VEHICLE ACCESSIBLE PATH A (11.5-FT WIDE)
- TRASH AND RECYCLE COLLECTION VEHICLE ACCESSIBLE PATH B (11.5-FT WIDE)
- ACCESSIBLE PATH OF TRAVEL



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CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE: AS SHOWN

TITLE

COLLECTION VEHICLE ACCESS PLAN

C6.0

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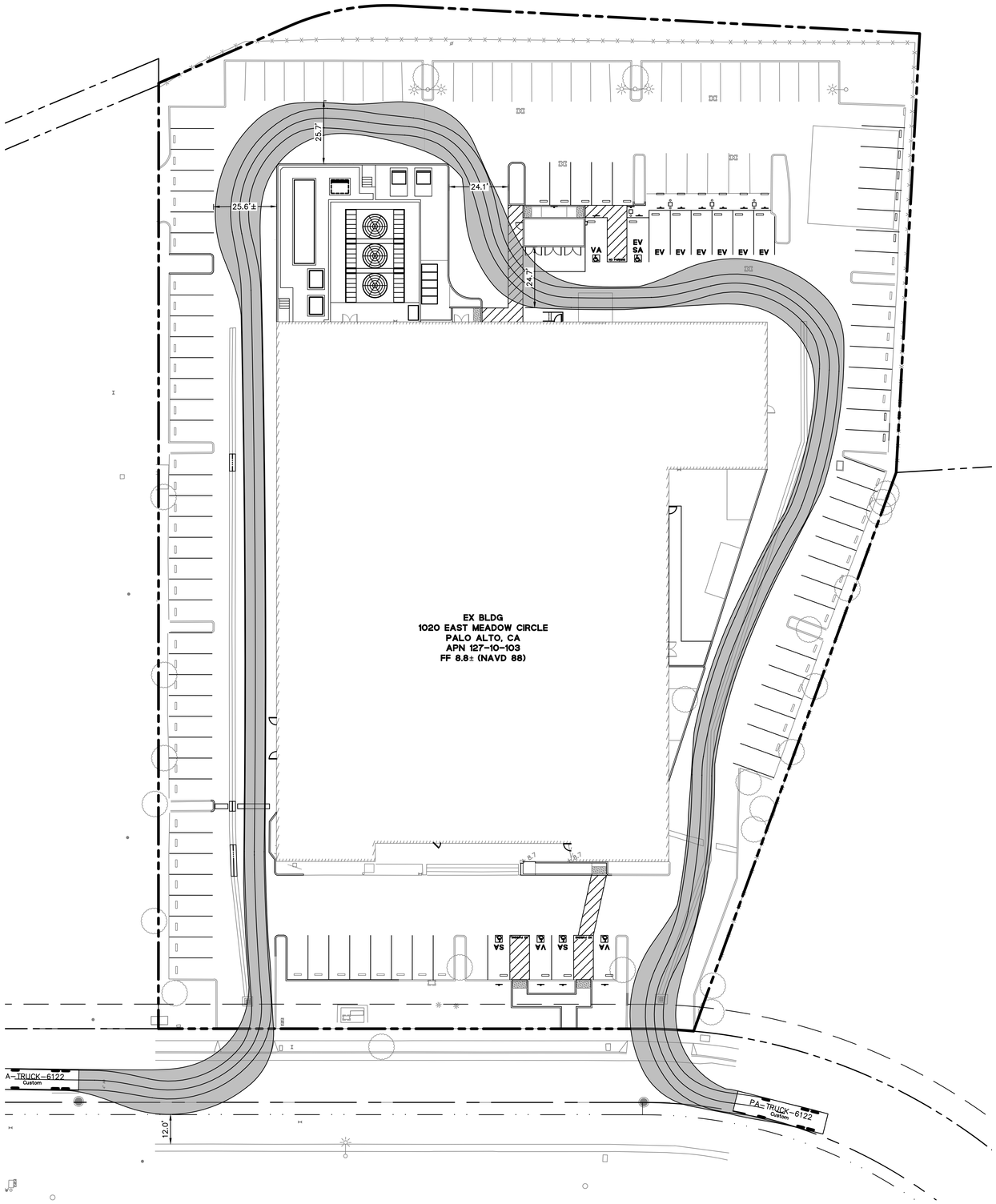
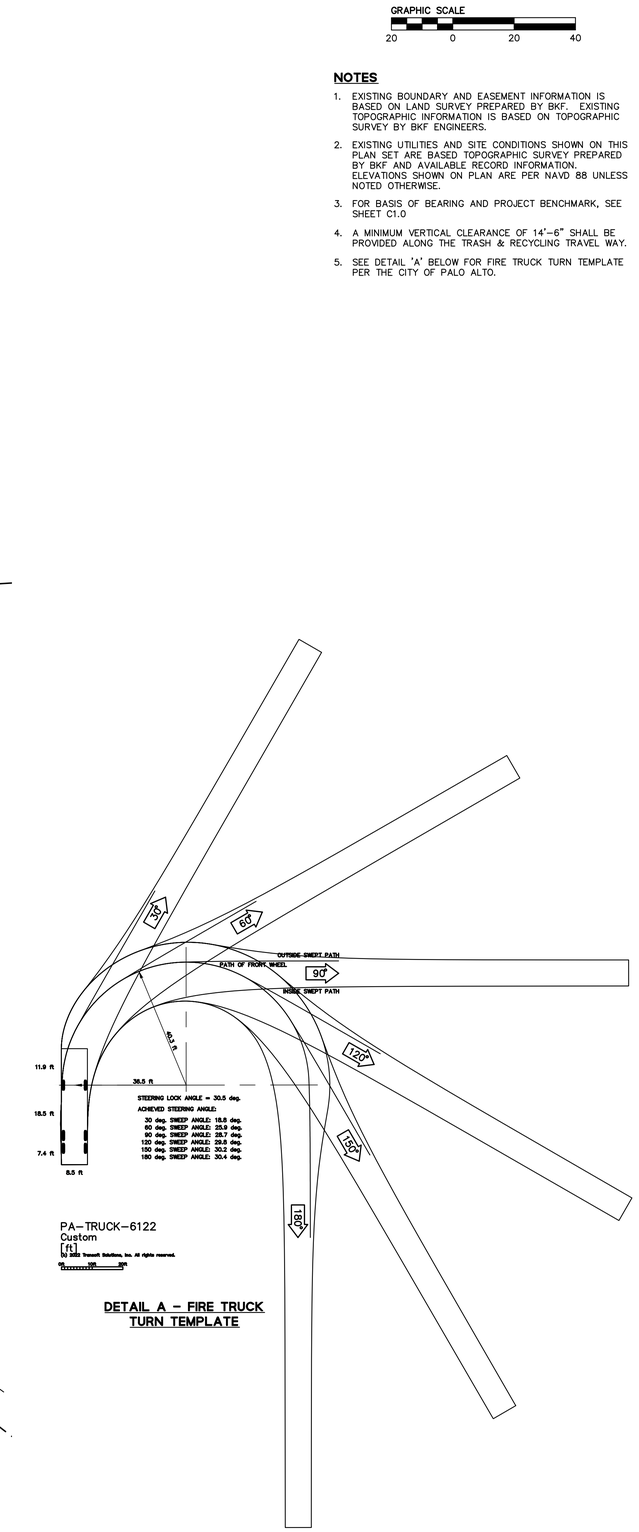
DRAWING NAME: \\Bkf-cs\vol14\2021\212367_1020_East_Meadow_Palo_Alto\ENG\PLANNING\SHEETS\C6.0 TRASH.dwg
PLOT DATE: 02.16.23 PLOTTED BY: crui





DETAIL A - FIRE TRUCK TURN TEMPLATE

GRAPHIC SCALE
20 0 20 40

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5. SEE DETAIL 'A' BELOW FOR FIRE TRUCK TURN TEMPLATE PER THE CITY OF PALO ALTO.

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(650) 482-6300
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CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE: AS SHOWN

TITLE

FIRE TRUCK ACCESS PLAN

C6.1

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DRAWING NAME: \\Bkf-cs\vol14\2021\212367_1020_East_Meadow_Palo_Alto\ENG\PLANNING\SHEETS\C6.1 FIRE.dwg
PLOT DATE: 02-16-23 PLOTTED BY: cruiz

POLLUTION PREVENTION — IT'S PART OF THE PLAN

Construction projects are required to implement year-round stormwater BMPs, as they apply to your project.

Runoff from streets and other paved areas is a major source of pollution to San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep construction dirt, debris, and other pollutants out of storm drains and local creeks. Following these guidelines will ensure your compliance with City of Palo Alto Ordinance requirements.

MATERIALS & WASTE MANAGEMENT

Non-Hazardous Materials

- ☐ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or when they are not in use.
- ☐ Use (but don't overuse) reclaimed water for dust control.
- ☐ Ensure dust control water doesn't leave site or discharge to storm drains.

Hazardous Materials

- ☐ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- ☐ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ☐ Follow manufacturer's application instructions for hazardous materials and do not use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ☐ Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- ☐ Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. A plastic liner is recommended to prevent leaks. Never clean out a dumpster by hosing it down on the construction site.
- ☐ Place portable toilets away from storm drains. Make sure they are in good working order. Check frequently for leaks.
- ☐ Dispose of all wastes and demolition debris properly. Recycle materials and wastes that can be recycled, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation.
- ☐ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.
- ☐ Keep site clear of litter (e.g. lunch items, cigarette butts).
- ☐ Prevent litter from uncovered loads by covering loads that are being transported to and from site.

Construction Entrances and Perimeter

- ☐ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ☐ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

EQUIPMENT MANAGEMENT & SPILL CONTROL

Maintenance and Parking

- ☐ Designate an area of the construction site, well away from streams or storm drain inlets and fitted with appropriate BMPs, for auto and equipment parking, and storage.
- ☐ Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ☐ If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ☐ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ☐ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment, and do not use diesel oil to lubricate equipment or parts onsite.

Spill Prevention and Control

- ☐ Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- ☐ Maintain all vehicles and heavy equipment. Inspect frequently for and repair leaks. Use drip pans to catch leaks until repairs are made.
- ☐ Clean up leaks, drips and other spills immediately and dispose of cleanup materials properly.
- ☐ Use dry cleanup methods whenever possible (absorbent materials, cat litter and/or rags).
- ☐ Sweep up spilled dry materials immediately. Never attempt to "wash them away" with water, or bury them.
- ☐ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ☐ Report any hazardous materials spills immediately! Call City of Palo Alto Communications, **(650) 329-2413**. If the spill poses a significant hazard to human health and safety, property or the environment, you must report it to the State Office of Emergency Services. **(800) 852-7550 (24 hours).**

EARTHMOVING

Grading and Earthwork

- ☐ Schedule grading and excavation work during dry weather.
- ☐ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ☐ Remove existing vegetation only when absolutely necessary, plant temporary vegetation for erosion control on slopes or where construction is not immediately planned.
- ☐ Prevent sediment from migrating offsite and protect storm drain inlets, drainage courses and streams by installing and maintaining appropriate BMPs (e.g., silt fences, gravel bags, fiber rolls, temporary swales, etc.).
- ☐ Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

Contaminated Soils

- ☐ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
  - Unusual soil conditions, discoloration, or odor.
  - Abandoned underground tanks.
  - Abandoned wells.
  - Buried barrels, debris, or trash.
- ☐ If the above conditions are observed, document any signs of potential contamination and clearly mark them so they are not distrurbed by construction activities.

Landscaping

- ☐ Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- ☐ Stack bagged material on pallets and under cover.
- ☐ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

CONCRETE MANAGEMENT & DEWATERING

Concrete Management

- ☐ Store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Store materials off the ground, on pallets. Protect dry materials from wind.
- ☐ Wash down exposed aggregate concrete only when the wash water can (1) flow onto a dirt area; (2) drain onto a bermed surface from which it can be pumped and disposed of properly; or (3) block any storm drain inlets and vacuum washwater from the gutter. If possible, sweep first.
- ☐ Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will fl ow into a temporary waste pit, and make sure wash water does not leach into the underlying soil. (See CASQA Construction BMP Handbook for properly designed concrete washouts.)

Dewatering

- ☐ Reuse water for dust control, irrigation or another on-site purpose to the greatest extent possible.
- ☐ Be sure to obtain a Permit for Construction in the Public Street from Public Works Engineering before discharging water to a street, gutter, or storm drain. Call the Regional Water Quality Control Plant (RWQCP) at **(650) 329-2598** for an inspection prior to commencing discharge. Use filtration or diversion through a basin, tank, or sediment trap as required by the approved dewatering plan. Dewatering is not permitted from October to April.
- ☐ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the City inspector to determine what testing to do and to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

PAVING/ASPHALT WORK

Paving

- ☐ Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- ☐ Cover storm drain inlets and manholes when applying seal coat, slurry seal, fog seal, or similar materials.
- ☐ Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.

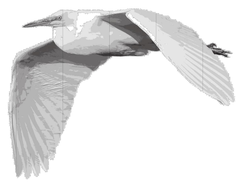
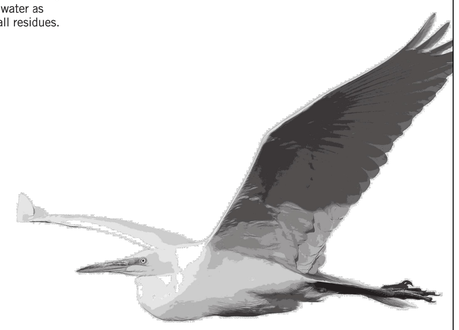
Sawcutting & Asphalt/Concrete Removal

- ☐ Protect storm drain inlets during saw cutting.
- ☐ If saw cut slurry enters a catch basin, clean it up immediately.
- ☐ Shovel or vacuum saw cut slurry deposits and remove from the site. When making saw cuts, use as little water as possible. Sweep up, and properly dispose of all residues.

PAINTING & PAINT REMOVAL

Painting Cleanup and Removal

- ☐ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ☐ For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ☐ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- ☐ Sweep up or collect paint chips and dust from non-hazardous dry stripping and sand blasting into plastic drop cloths and dispose of as trash.
- ☐ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state certified contractor.

STORM DRAIN POLLUTERS MAY BE LIABLE FOR FINES OF UP TO $10,000 PER DAY!

250 Hamilton Avenue
Palo Alto, CA 94301
650.329.2211
cityofpaloalto.org

CITY OF PALO ALTO

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CLIENT: GOOGLE INC.

PROJECT: EM20

ADDRESS: 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

PROJECT NO.: 22038

SCALE: AS SHOWN

TITLE: POLLUTION PREVENTION DETAIL

C7.0

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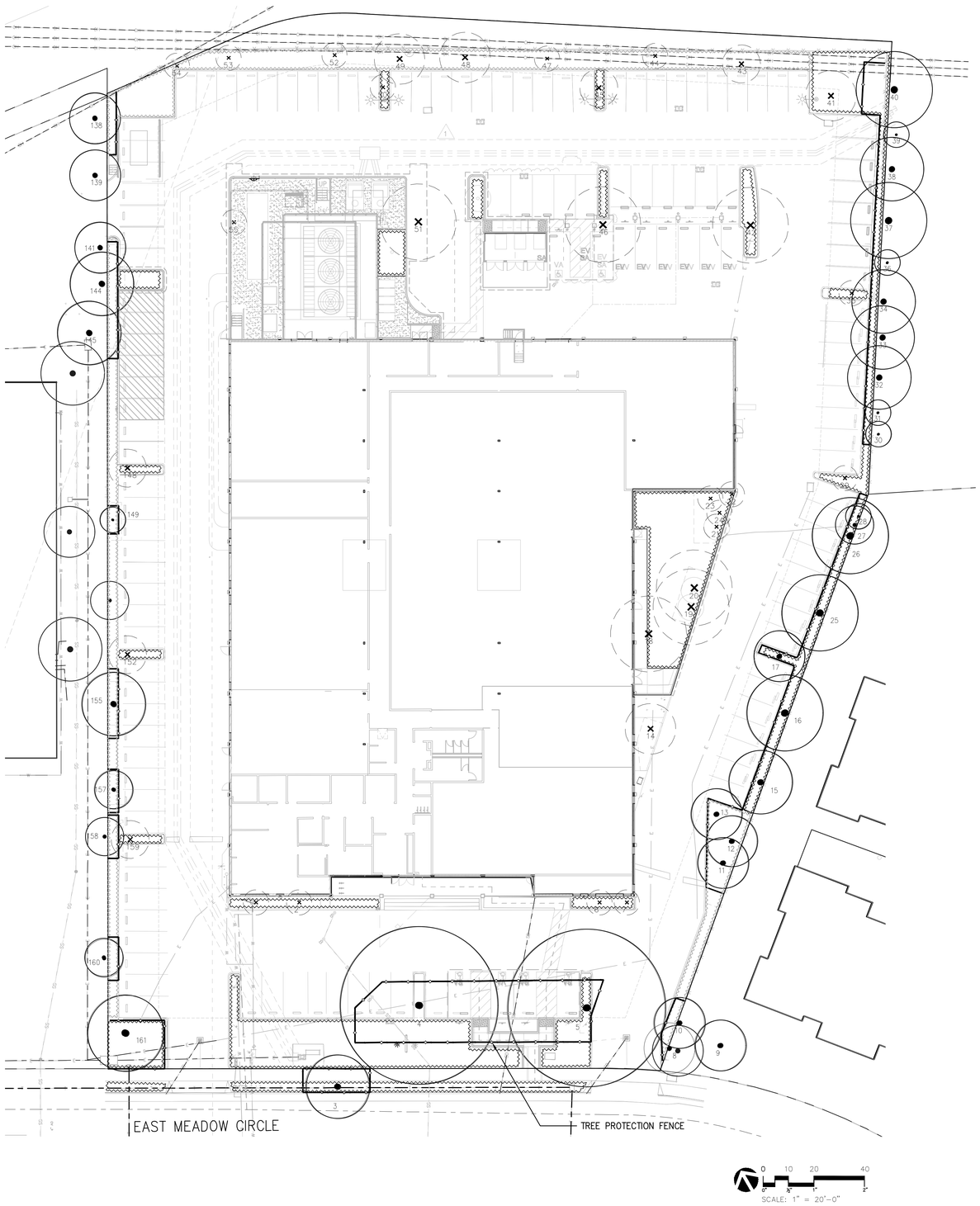
PLOT DATE: 02.16.23
PLOTTED BY: crui



TREE REMOVAL LEGEND

SEE SHEET T-1 FOR INFORMATION ABOUT TREE PROTECTION

NUM — TREE TO REMAIN, TYP.

NUM — TREE TO BE REMOVED, TYP.

TYPE II TREE PROTECTION FENCING

TREE PROTECTION FENCING NOTES

A. CONSIST OF CHAIN LINK FENCING AND HAVING A MINIMUM HEIGHT OF 6 FEET.
B. BE MOUNTED ON STEEL POSTS DRIVEN APPROXIMATELY 2 FEET INTO THE SOIL.
C. FENCING POSTS MUST BE LOCATED A MAXIMUM OF 10 FEET ON CENTER.
D. PROTECTIVE FENCING MUST BE INSTALLED PRIOR TO THE ARRIVAL OF MATERIALS, VEHICLES, OR EQUIPMENT.
E. PROTECTIVE FENCING MUST NOT BE MOVED, EVEN TEMPORARILY, AND MUST REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETED, UNLESS APPROVED BE A CERTIFIED ARBORIST.
F. TREE PROTECTION SIGNAGE SHALL BE MOUNTED TO ALL INDIVIDUAL TREE PROTECTION FENCES.

TREE PROTECTION COMPLIANCE: THE OWNER AND CONTRACTOR SHALL IMPLEMENT ALL PROTECTION AND INSPECTION SCHEDULE MEASURES, DESIGN RECOMMENDATIONS AND CONSTRUCTION SCHEDULING AS STATED IN THE TPR & SHEET T-1, AND IS SUBJECT TO CODE COMPLIANCE ACTION PURSUANT TO PAMC 8.10.080. THE REQUIRED PROTECTIVE FENCING SHALL REMAIN IN PLACE UNTIL FINAL LANDSCAPING AND INSPECTION OF THE PROJECT. PROJECT ARBORIST APPROVAL MUST BE OBTAINED AND DOCUMENTED IN THE MONTHLY ACTIVITY REPORT SENT TO THE CITY. THE MANDATORY CONTRACTOR AND ARBORIST MONTHLY TREE ACTIVITY REPORT SHALL BE SENT MONTHLY TO THE CITY (PWPS@CITYOFPALOALTO.ORG) BEGINNING WITH THE INITIAL VERIFICATION APPROVAL, USING THE TEMPLATE IN THE TREE TECHNICAL MANUAL, ADDENDUM 11.

Tag no	Common Name	Dbh	W/H	Protected	Removal	Retain	Tree Replacement Required Per Tree Manual Table 3-1	Tree Replacement Provided	In-Lieu Fee of $650 per 24" Box Tree Replacement
1	Podocarpus	6/2.5/1.5	5'/12'		x		(2) 24" Box or (1) 36" Box	in-lieu fee	$1,300
2	Podocarpus	5/3/2.5	5'/12'		x		(2) 24" Box or (1) 36" Box	in-lieu fee	$1,300
3	London plane	12.5	25'/30'			x			
4	Chinese elm	20.5	60'/30'			x			
5	Chinese elm	18	50'/30'			x			
6	Podocarpus	6	5'/10'		x		(2) 24" Box or (1) 36" Box	in-lieu fee	$1,300
7	Podocarpus	6	5'/10'		x		(2) 24" Box or (1) 36" Box	in-lieu fee	$1,300
8	Coast redwood	29.5	20'/70'	x		x			
9	Coast redwood	20	15'/60'	x		x			
10	Coast redwood	28.5	20'/80'	x		x			
11	Coast redwood	24	20'/65'	x		x			
12	Coast redwood	19	15'/60'	x		x			
13	Coast redwood	22	15'/60'	x		x			
14	Coast redwood	26	20'/55'	x	x		(3) 24" Box or (2) 36" Box	in-lieu fee	$1,950
15	Ironbark eucalyptus	18	25'/50'	x		x			
16	Ironbark eucalyptus	19	30'/45'	x		x			
17	Ficus	6.5	20'/18'			x			
18	Ironbark eucalyptus	22	30'/45'		x		(4) 24" Box or (2) 48" Box	in-lieu fee	$2,600
19	Ironbark eucalyptus	15	25'/40'		x		(3) 24" Box or (2) 36" Box	(2) 36" Box	
20	Eucalyptus	24	30'/45'		x		(4) 24" Box or (2) 48" Box	in-lieu fee	$2,600
21	Birch	5	12'/18'		x		(3) 24" Box or (2) 36" Box	(2) 36" Box	
22	Birch	3	6'/15'		x		(2) 24" Box or (1) 36" Box	in-lieu fee	$1,300
23	Birch	2	5'/10,		x		(2) 24" Box or (1) 36" Box	in-lieu fee	$1,300
24	Birch	7	8'/20'		x		(2) 24" Box or (1) 36" Box	(2) 24" Box	
25	Ironbark eucalyptus	16	30'/30'			x			
26	Eucalyptus sp	13/13	30'/30'			x			
27	Eucalyptus sp	6/5.5	15'/20'			x			
28	Eucalyptus sp	7.5	10'/25'			x			
29	Ficus	6	8'/12'		x		(2) 24" Box or (1) 36" Box	(2) 24" Box	
30	Eucalyptus sp	5.5	10'/20'			x			
31	Eucalyptus sp	6.5	10'/25'			x			
32	Eucalyptus sp	10/7/2006	20'/30'			x			
33	Eucalyptus sp	17	20'/35'			x			
34	Eucalyptus sp	12/10/7	20'/35'			x			
35	Ficus	6.5	12'/12'		x		(3) 24" Box or (2) 36" Box	(2) 36" Box	
36	Eucalyptus sp	6.5	8'/20'			x			
37	Eucalyptus sp	17	30'/30'			x			
38	Eucalyptus sp	18	25'/35'			x			
39	Coast live oak	10	12'/18'			x			
40	Eucalyptus sp	20	30'/30'			x			
41	Coast redwood	24	20'/18'	x	x (Dead)		(3) 24" Box or (2) 36" Box	(2) 36" Box	
42	London plane	13	20'/25'		x		(3) 24" Box or (2) 36" Box	(2) 36" Box	
43	Ironbark eucalyptus	22	15'/15'		x		(3) 24" Box or (2) 36" Box	(2) 36" Box	
44	Ironbark eucalyptus	14	10'/15'		x		(3) 24" Box or (2) 36" Box	in-lieu fee	$1,950
45	Ficus	9	15'/18'		x		(3) 24" Box or (2) 36" Box	(2) 36" Box	
46	London plane	10.5	20'/20'		x		(3) 24" Box or (2) 36" Box	(2) 36" Box	
47	Ironbark eucalyptus	18	10'/15'		x		(3) 24" Box or (2) 36" Box	in-lieu fee	$1,950
48	Ironbark eucalyptus	22	20'/15'		x		(3) 24" Box or (2) 36" Box	(2) 36" Box	
49	Ironbark eucalyptus	17	20'/15'		x		(3) 24" Box or (2) 36" Box	(2) 36" Box	
50	Ficus	8.5	12'/15'		x		(3) 24" Box or (2) 36" Box	in-lieu fee	$1,950
51	London plane	10	20'/25'		x		(3) 24" Box or (2) 36" Box	in-lieu fee	$1,950
52	Ironbark eucalyptus	16	10'/12'		x		(3) 24" Box or (2) 36" Box	in-lieu fee	$1,950
53	Ironbark eucalyptus	17	10'/10'		x		(3) 24" Box or (2) 36" Box	in-lieu fee	$1,950
54	Ironbark eucalyptus	15	10'/10'		x		(3) 24" Box or (2) 36" Box	in-lieu fee	$1,950
55	London plane	7	12'/15'		x		(3) 24" Box or (2) 36" Box	in-lieu fee	$1,950
138	Oleander	multiple from base	20'/10'			x			
139	Oleander	multiple from base	20'/12'			x			
141	Oleander	multiple from base	20'/12'			x			
144	Oleander	multiple from base	12'/8'			x			
145	Oleander	multiple from base	25'/10'			x			
148	Carob	7	15'/25'		x		(3) 24" Box or (2) 36" Box	(3) 24" Box	
149	Ironbark eucalyptus	10	10'/30'			x			
152	Carob	4.5	10'/18'		x		(3) 24" Box or (2) 36" Box	in-lieu fee	$1,950
155	Ironbark eucalyptus	26	25'/65'			x			
157	Ironbark eucalyptus	17	15'/30'			x			
158	Liquidambar	6	10'/25'			x			
159	Carob	7	15'/15'		x		(3) 24" Box or (2) 36" Box	(3) 24" Box	
160	Liquidambar	9.5	12'/25'			x			
161	Coast redwood	36.5	30'/70'	x		x			
TOTAL TREES			**69**						
PROTECTED TOTAL				**11**					
REMOVAL TOTAL					**32 INCLUDING (2) PROTECTED**				
MITIGATION REQUIRED							(90) 24" Box or (52) 36" Box and (4) 48" Box		
MITIGATION PROVIDED								(10) 24" Box, (20) 36" Box plus in-lieu fee	$32,500

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REGISTERED LANDSCAPE ARCHITECT — CORY CHOE — No. 6369 — 6/30/2024 — 09/27/2023 — L.A. — STATE OF CALIFORNIA

KEY PLAN

GATES +ASSOCIATES
LANDSCAPE ARCHITECTURE
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NO.	DESCRIPTION	DATE
2	PLANNING PC #2	02.17.23
1	PLANNING PC #1	07.15.22
	PLANNING PERMIT	04.14.22

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PROJECT EM20

ADDRESS 1020 E MEADOW CIR
PALO ALTO, CA 94303

PROJECT NO.

SCALE AS NOTED

TITLE

TREE DISPOSITION PLAN

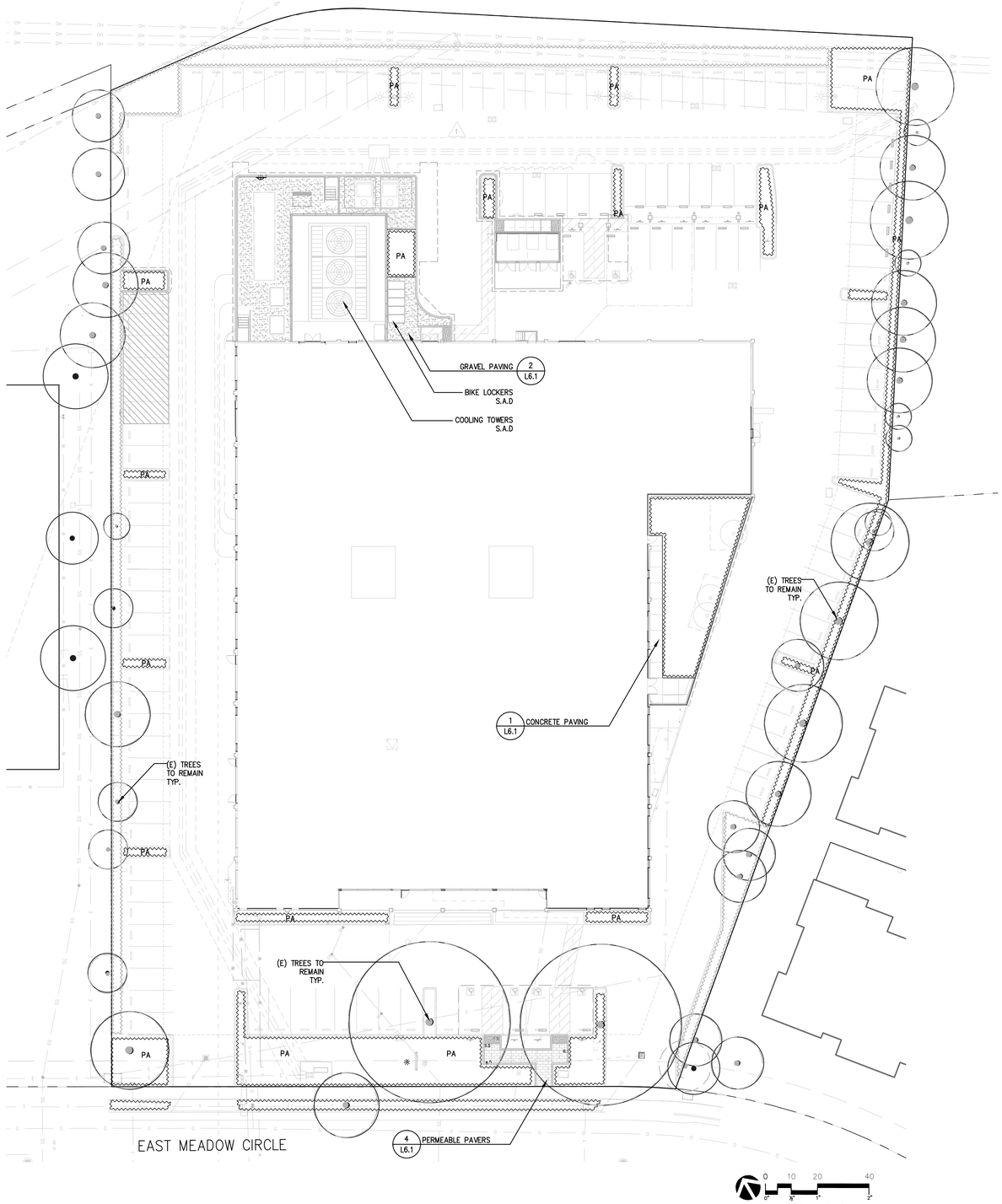
L1.0

PATH: \\GFILES\WORK\PALO ALTO\1020 E MEADOW CAMPUS (P5700)\WORK\SHEETS_DGA-TD-1020 EMC.DWG
PLOT DATE: 2/17/2023 10:56 AM

GRAVEL PAVING — 2 / L6.1

PERMEABLE INTERLOCKING PAVERS — 4 / L6.1

4XB PERMEABLE MISSION
MFR: BASALITE
COLOR: POSITANO



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REGISTERED LANDSCAPE ARCHITECT — CHRIS GATES — No. 6369 — 6/30/2024 — 02/17/2023 — L.A. — STATE OF CALIFORNIA

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	PLANNING PERMIT	04.14.22

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SCALE AS NOTED

TITLE

LAYOUT PLAN

L2.0

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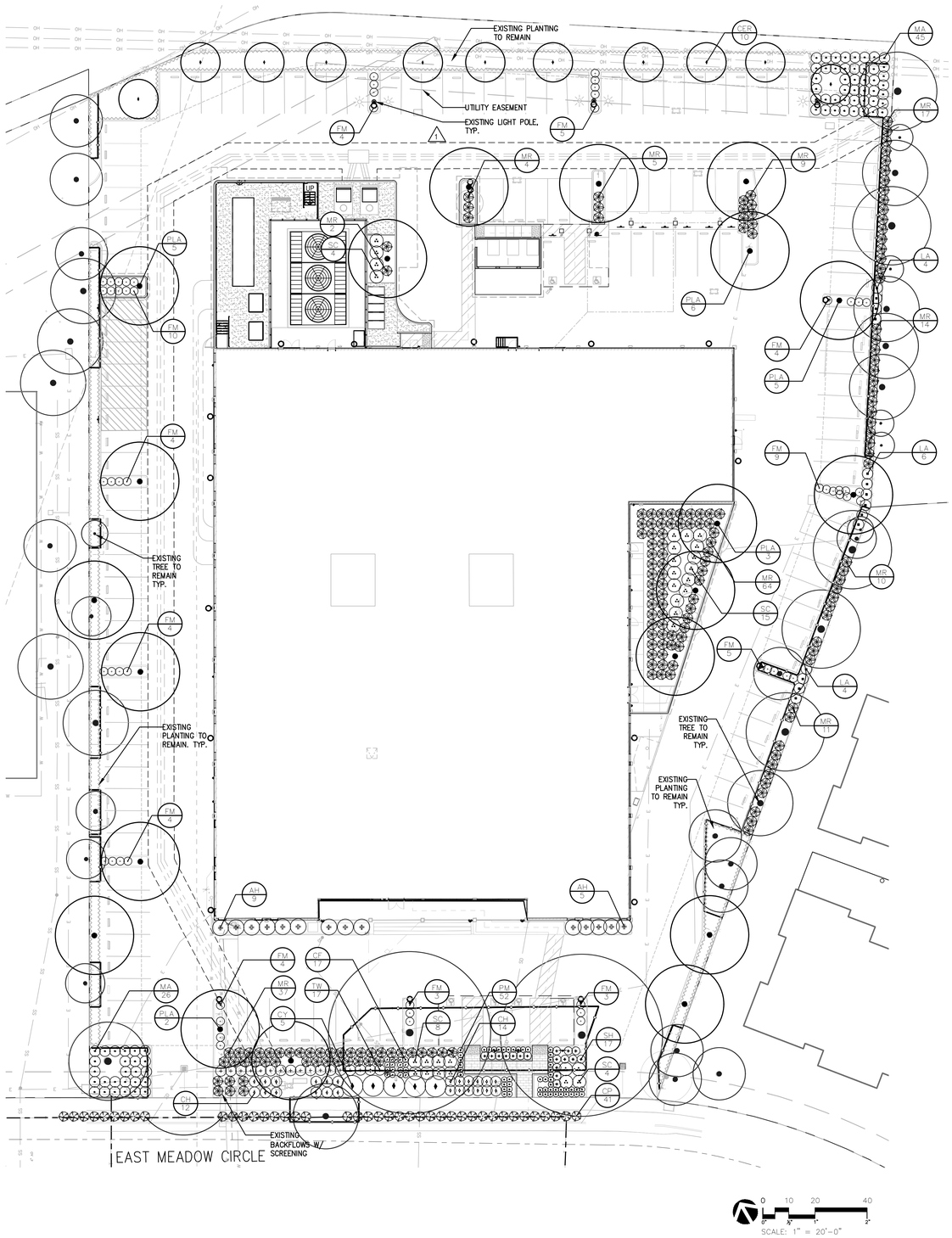

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE		NATIVE
CER	11	CERCIS OCCIDENTALIS	WESTERN REDBUD MULTI-TRUNK	24"BOX	L		Y
PLA	20	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	36"BOX	L		Y
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**WATER USE**	**SPACING**	**NATIVE**
AH	14	ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN'	HOWARD MCMINN MANZANITA	5 GAL	L	72" o.c.	Y
CF	17	CALAMAGROSTIS FOLIOSA	REED GRASS	5 GAL	M	24" o.c.	Y
CP	41	CAREX PRAEGRACILIS	CALIFORNIA FIELD SEDGE	5 GAL	L	48" o.c.	Y
CH	24	CEANOTHUS GRISEUS HORIZONTALIS 'DIAMOND HEIGHTS'	CALIFORNIA LILAC	5 GAL	L	48" o.c.	Y
CY	5	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT'	CALIFORNIA LILAC	5 GAL	L	96" o.c.	Y
FM	59	FESTUCA MAIREI	ATLAS FESCUE	5 GAL	L	36" o.c.	N
LA	14	LUPINUS ALBIFRONS	BUSH LUPINE	5 GAL	L	48" o.c.	Y
MA	71	MAHONIA REPENS	CREEPING MAHONIA	5 GAL	L	48" o.c.	Y
MR	176	MUHLENBERGIA RIGENS	DEER GRASS	5 GAL	L	48" o.c.	Y
PM	52	PENSTEMON HETEROPHYLLUS 'MARGARITA BOP'	MARGARITA BOP PENSTEMON	5 GAL	L	24" o.c.	Y
SC	31	SALVIA CLEVELANDII	CLEVELAND SAGE	5 GAL	L	60" o.c.	Y
SH*	17	SALVIA MICROPHYLLA 'HOT LIPS'	HOT LIPS SAGE	5 GAL	L	36" o.c.	Y
TW	17	TRICHOSTEMA LANATUM	WOOLLY BLUE CURLS	5 GAL	L	48" o.c.	Y

STATEMENT OF DESIGN INTENT

TO CREATE A NATIVE, DROUGHT TOLERANT LANDSCAPE THAT ENCOURAGES BIO-DIVERSITY AND CREATES HABITATS.

PLANTING AREAS

(E) TOTAL BUILDING AREA = 37,236 FT.

REQUIRED INTERIOR LANDSCAPE @ 7% = 2,600 FT.

PROVIDED INTERIOR LANDSCAPE = 5,400 SQ. FT.

PROPOSED PARKING SPACES: 132

REQUIRED TREES PER SIX PARKING SPACES: 22

TREE PLANTING

PROVIDED TREES - 30

24" BOX - 10

36" BOX - 20

32 TOTAL TREES REMOVED INCLUDING (2) PROTECTED REDWOOD. AS MITIGATION (10) 24" BOX AND (20) 36" BOX TREES PROVIDED PER SECTION 3 TABLE 3-1 OF PALO ALTO TREE TECHNICAL MANUAL. REMAINING MITIGATION OF (50) 24" BOX TREES TO BE MADE UP FROM IN-LEIU FEE DUE TO LACK OF SPACE TO PROVIDE ADDITIONAL MITIGATION TREES.

TOTAL MITIGATION
(10) 24" BOX TREES
(20) 36" BOX TREES
(30) TREES @ $650 EACH = $18,850
SEE CHART ON SHEET L1.0 FOR BREAKDOWN OF MITIGATION MEASURES

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REGISTERED LANDSCAPE ARCHITECT — CHRIS CHOE — No. 6369 — 6/30/2024 — RENEWAL — 09/21/2023 — DATE — L.A. — STATE OF CALIFORNIA

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PROJECT EM20

ADDRESS 1020 E MEADOW CIR
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PLANTING PLAN

L3.0

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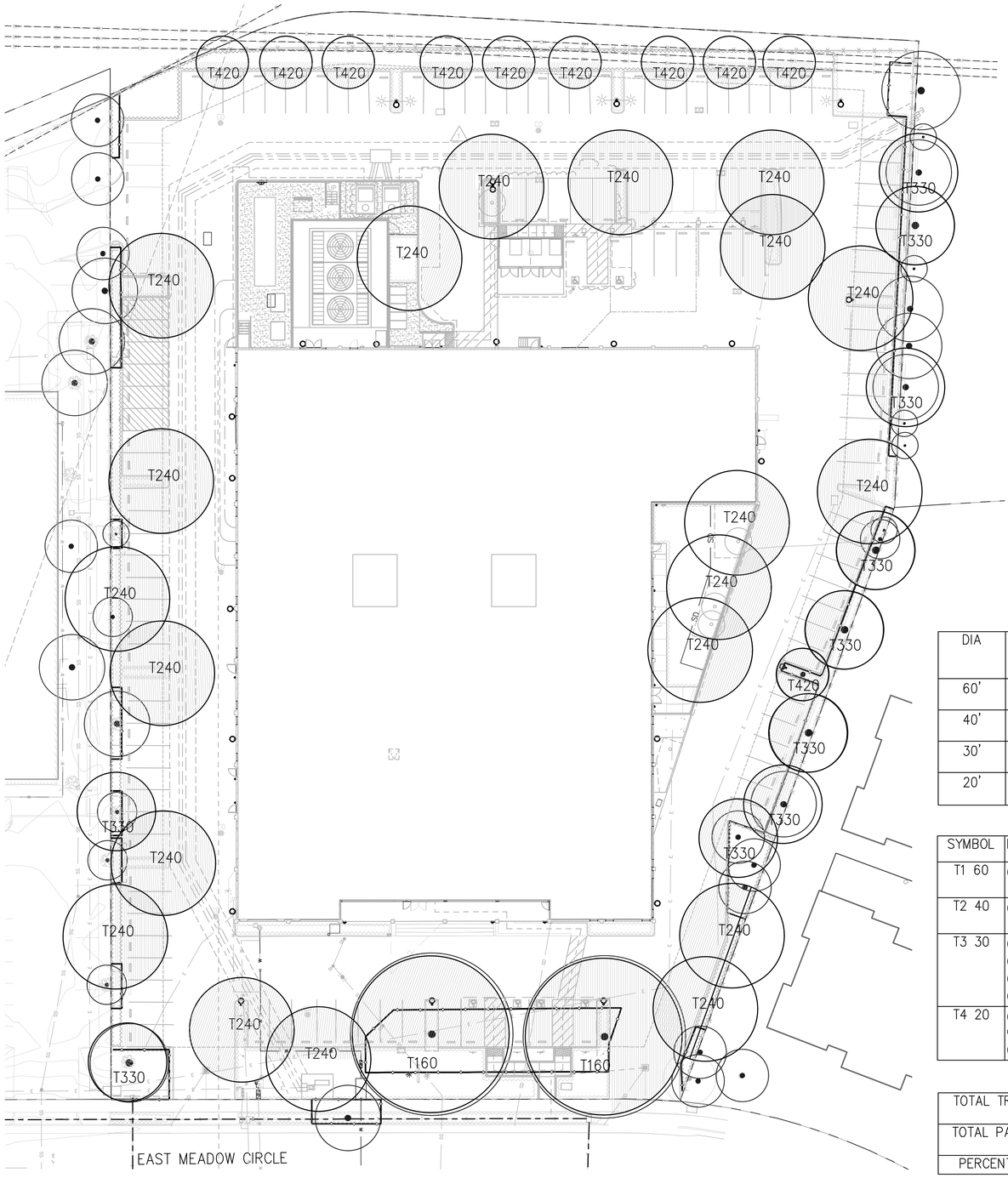

DIA	FULL S.F.	¾ S.F.	HALF S.F.	¼ S.F.	TOTAL S.F.
60'		1@2120	1@1413		3,533
40'	10@1,257	1@942	9@628		19,164
30'			8@353	1@176	3,000
20'	1@314		9@157		1,727

SYMBOL	BOTANICAL NAME
T1 60	(E) ULMUS PARVIFOLIA
T2 40	(N) PLATANUS RACEMOSA
T3 30	(E) ULMUS PARVIFOLIA (E) EUCALYPTUS SIDEROXYLON (E) EUCALYPTUS (E) SEQUOIA SEMPERVIRENS
T4 20	(E) FICUS (N) WESTERN REDBUD (E) SEQUOIA SEMPERVIRENS

TOTAL TREE SHADE	27,424 S.F.
TOTAL PAVED AREA	54,835 S.F.
PERCENT SHADED	50%

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SHADING PLAN

L4.0

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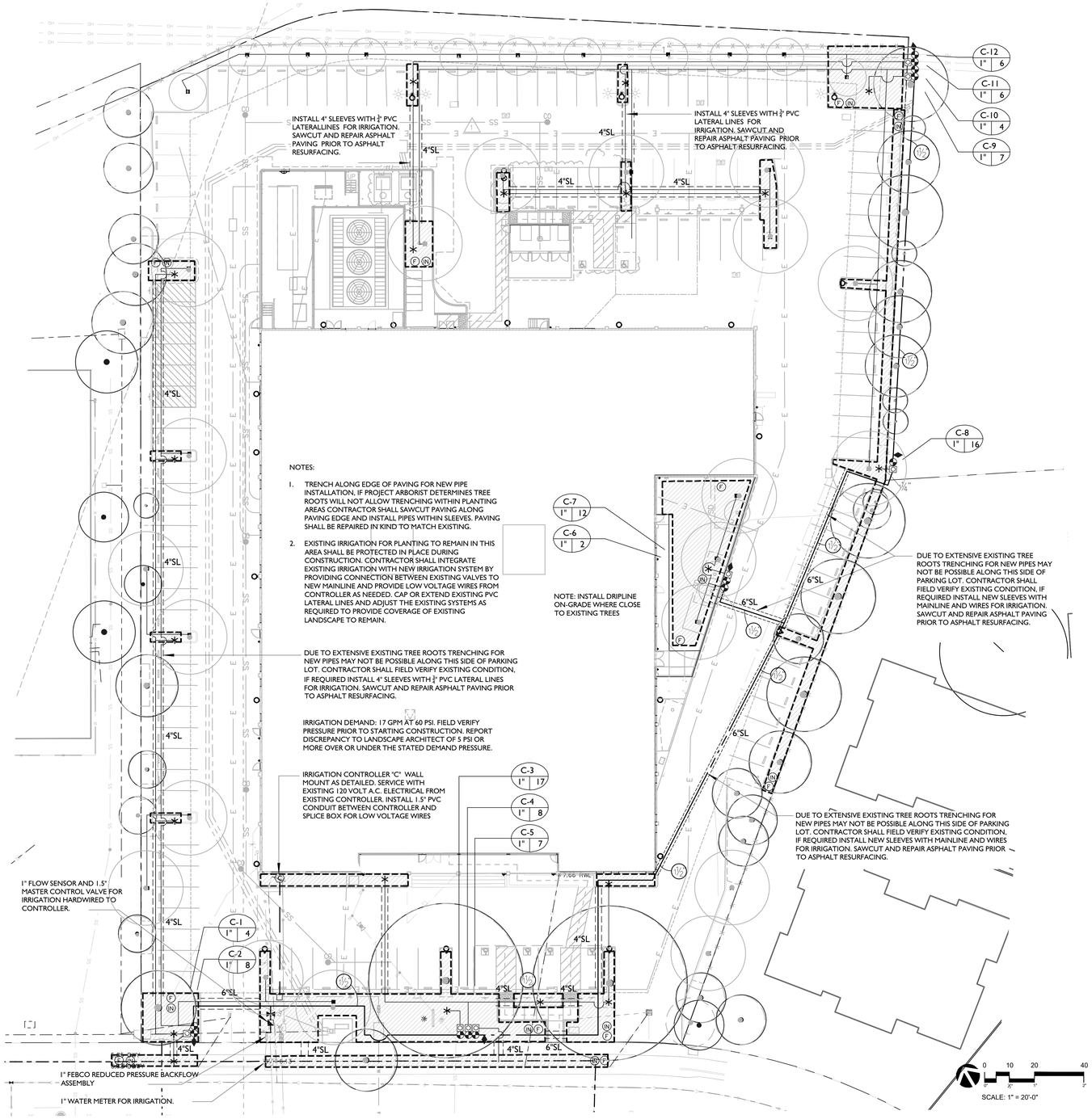

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REGISTERED LANDSCAPE ARCHITECT · CHRISTINE · M. GATES · STATE OF CALIFORNIA
6/30/2024
RENEWAL
09/21/2023
DATE

KEY PLAN

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	PLANNING PERMIT	04.14.22

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PROJECT EM20

ADDRESS 1020 E MEADOW CIR
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PROJECT NO.

SCALE AS NOTED

TITLE

IRRIGATION PLAN

L5.0

2022 ©

City of Palo Alto

Tree Protection - It's Part of the Plan!

Make sure your crews and subs do the job right!

Fenced enclosures around trees are essential to protect them by keeping the foliage canopy and branching structure clear from contact by equipment, materials and activities, preserving roots and soil conditions in an intact and non-compacted state, and identifying the Tree Protection Zone (TPZ) in which no soil disturbance is permitted and activities are restricted, unless otherwise approved. **An approved tree protection report must be added to this sheet when project activity occurs within the TPZ of a regulated tree.**
For detailed information on Palo Alto's regulated trees and protection during development, review the **City Tree Technical Manual** (TTM) found at www.cityofpaloalto.org/trees/.

TREE DISCLOSURE STATEMENT

CITY OF PALO ALTO
Planning Division, 250 Hamilton Avenue
Palo Alto, CA 94301
(650) 329-2441
http://www.cityofpaloalto.org

Palo Alto Municipal Code, Chapter 8.10.040, requires disclosure and protection of certain trees located on private and public property, and that they be shown on approved site plans. A completed disclosure statement must accompany all building permit applications that include exterior work, all demolition or grading permit applications, or other development activity.

PROPERTY ADDRESS: 1020 EAST MEADOW CIRCLE

Are there Regulated trees on or adjacent to the property? YES (NO) If no, proceed to Section 4)

[Sections 1- 4 MUST be completed by the applicant. Please circle and/or check where applicable.]

1. Where are the trees? Check those that apply. **(Plans must be submitted showing over 4" diameter trees)**
   - ☐ On the property
   - ☐ On adjacent property overhanging the project site
   - ☐ In the City planter strip or right-of-way easement within 30' of property line (Street Trees)*

*Street trees[1] **require special protection by a fenced enclosure**, per the attached instructions. Prior to receiving any permit, you must provide an authorized Street Tree Protection Verification form by calling Public Works Operations at 493-5953 for inspection of required type I, II or III fencing (see attached Detail #605).

2. Are there any Protected[1] or Designated[1] Trees? (YES) Check where applicable) NO
   - ☒ Protected Tree (s)
   - ☐ Designated Tree (s)
   - ☐ On or overhanging the property

3. Is there activity or grading within the dripline? (radius 10 times the trunk diameter) of these trees? (YES) NO
If Yes, a Tree Preservation Report must be prepared by an ISA certified arborist and submitted for staff review (see TTM , Section 6.25). Attach this report to Sheet T-1, Tree Protection, its Part of the Plan", per Site Plan Requirements.

4. Are the Site Plan Requirements** completed? (YES) NO

**Protection of Regulated trees during development require the following: (1) Plans must show the measured trunk diameter and canopy dripline; (2) Plans must denote, as a bold dashed line, a fenced enclosure area out to the dripline, per Sheet T-1 and Detail #605 - http://www.cityofpaloalto.org/trees/forms.htm (See also TTM , Section 2.15 for area to be fenced)

I, the undersigned, agree to the conditions of this disclosure. I understand that knowingly or negligently providing false or misleading information in response to this disclosure requirement constitutes a violation of the Palo Alto Municipal Code Section 8.10.040, which may lead to criminal and/or civil legal action.

Signature: _____ Print: Casey Case Date: 08/05/2022
(Resp. Owner or Agent)

FOR STAFF USE:

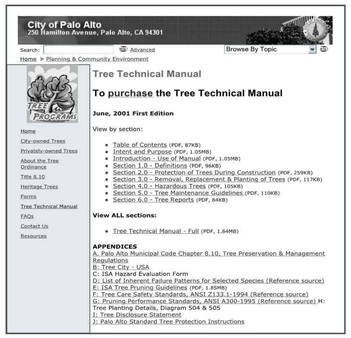
Protective Fencing
Sections 5-6 must be **completed by staff** for the issuance of any development permit (demolition, grading or building permit).

5. Protected Trees. The specified tree fencing is in place. A written statement is attached verifying that protective fencing is correctly in place around protected and/or designated trees. YES NO
(N/A if there are no protected trees, check here ☐)

6. Street Trees. A signed Public Works Street Tree Protection Verification form is attached. YES NO
(N/A if there are no street trees, check here ☐).

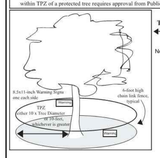
[1] Regulated Trees – a) Street trees – trees on public property; b) Protected trees – Coast Live Oaks or Valley Oaks which are 11.5" in diameter or larger, Coast Redwoods which are 18" in diameter or larger, when measured 54" above natural grade; and Heritage trees are trees designated by City Council; and c) Designated Trees – commercial or non-residential property trees, which are part of an approved landscape plan.
Palo Alto Tree Technical Manual (TTM) contains instructions for all requirements on this form, available at http://www.cityofpaloalto.org/planning-community/tree_technical-manual.html

S:Plan/Plado/Arborist/Tree Protection Info/Tree Disclosure Statement — Revised 08/06



For written specifications associated with illustrations below, see Public Works Specifications Section 31
Detailed specifications are found in the Palo Alto Tree Technical Manual (TTM) (www.cityofpaloalto.org/trees/)

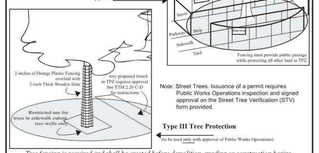
Tree Protection Zone (TPZ) shown in gray (radius of TPZ equals 10 times the diameter of the tree or 10-feet, whichever is greater).
- Restricted activity area – see Tree Technical Manual Sec 2.15(E).
- Restricted trenching area – see Tree Technical Manual Sec 2.20(C-D), any proposed trench or form work within TPZ of a protected tree requires approval from Public Works Operations. Call 650-496-5953.



Type I Tree Protection — For all Ordinance Protected and Designated trees, as detailed in the site specific tree preservation report (TPR) prepared by the applicant's project arborist as diagramed on the plans.

Note: Ordinance Protected & Designated Trees, Issuance of a permit requires applicant's project arborist written verification Type I is installed correctly according to the plans and Tree Preservation Report.

Type II Tree Protection



Note: Street Trees. Issuance of a permit requires Public Works Operations inspection and signed approval on the Street Tree Verification (STV) form provided.

Type III Tree Protection
(to be used only with approval of Public Works Operations)

Tree fencing is required and shall be erected before demolition, grading or construction begins.

Rev	By	Date
R	DJ/S	12/24/02
01	D.D.	09/04/06
02	D.D.	09/19/06

Tree Protection During Construction

City of Palo Alto Standard

Approved by: Dave Dockter
PE No. _____
Date 2006
Dwg No. 605

Scale: NTS

PALO ALTO
STREET TREE PROTECTION INSTRUCTIONS
–SECTION 31–
APPENDIX J

31-1 General
a. **Tree protection has three primary functions**, 1) to keep the foliage canopy and branching structure clear from contact by equipment, materials and activities; 2) to preserve roots and soil conditions in an intact and non-compacted state and 3) to identify the Tree Protection Zone (TPZ) in which no soil disturbance is permitted and activities are restricted, unless otherwise approved.
b. **The Tree Protection Zone (TPZ)** is a restricted area around the base of the tree with a radius of ten-times the diameter of the tree's trunk or ten feet; whichever is greater, enclosed by fencing.

31-2 Reference Documents
a. **Detail 605** – Illustration of situations described below.
b. **Tree Technical Manual (TTM) Forms** (http://www.cityofpaloalto.org/trees/)
1. Trenching Restriction Zones (TTM, Section 2.20(C))
2. Arborist Reporting Protocol (TTM, Section 6.19)
3. Site Plan Requirements (TTM, Section 6.10)
4. Tree Disclosure Statement (TTM, Appendix D)
c. **Street Tree Verification (STV) Form** (http://www.cityofpaloalto.org/trees/forms)

31-3 Execution
a. **Type I Tree Protection:** The fence shall enclose the entire TPZ of the tree(s) to be protected throughout the life of the construction project. In some parking areas, if fencing is located on paving or concrete that will not be demolished, then the posts may be supported by an appropriate grade level concrete base, if approved by Public Works Operations.
b. **Type II Tree Protection:** For trees situated within a planting strip, only the planting strip and yard side of the TPZ shall be enclosed with the required chain link protective fencing in order to keep the sidewalk and street open for public use.
c. **Type III Tree Protection:** To be used only with approval of Public Works Operations. Trees situated in a tree well or sidewalk planter pit, shall be wrapped with 2-inches of orange plastic fencing from the ground to the first branch and overlaid with 2-inch thick wooden slats bound securely (slats shall not be allowed to dig into the bark). During installation of the plastic fencing, caution shall be used to avoid damaging any branches. Mayor limbs may also require plastic fencing as directed by the City Arborist.
d. **Size, type and area to be fenced.** All trees to be preserved shall be protected with six (6') foot high chain link fencing, mounted on steel posts driven into the ground to a depth of at least 2-feet at no more than 10-foot spacing. Fencing shall extend to the outer branching, unless specifically approved on the STV Form.
e. **'Warning' signs.** A warning sign shall be weather proof and prominently displayed on each fence at 20-foot intervals. The sign shall be minimum 8.5-inches x 11-inches and clearly state in half inch tall letters: "WARNING - Tree Protection Zone - This fence shall not be removed and is subject to a fine according to PAMC Section 8.10.116."
f. **Duration.** Tree fencing shall be erected before demolition; grading or construction begins and remain in place until final inspection of the project, except for work specifically allowed in the TPZ. Work or soil disturbance in the TPZ requires approval by the project arborist or City Arborist (in the case of work around Street Trees). Excavations within the public right of way require a Street Work Permit from Public Works.
g. **During construction**
1. All neighbors' trees that overhang the project site shall be protected from impact of any kind.
2. The applicant shall be responsible for the repair or replacement plus penalty of any publicly owned trees that are damaged during the course of construction, pursuant to Section 8.04.070 of the Palo Alto Municipal Code.
3. The following tree preservation measures apply to all trees to be retained:
   a. No storage of material, topsoil, vehicles or equipment shall be permitted within the TPZ.
   b. The ground under and around the tree canopy area shall not be altered.
   c. Trees to be retained shall be irrigated, aerated and maintained as necessary to ensure survival.

END OF SECTION
City of Palo Alto 2004 Standard Drawings and Specifications
Street Tree Verification of Protection, PWE, Section 31 — Revised 08/06

Table 2-2 Palo Alto Tree Technical Manual

CONTRACTOR & ARBORIST INSPECTION SCHEDULE

Reference: the Palo Alto Tree Technical Manual is available at www.cityofpaloalto.org/environment/

ALL CHECKED ITEMS APPLY TO THIS PROJECT:

1. ☑ **Inspection of Protective Tree Fencing**. For Public Trees; the Street Tree Verification Form shall be signed by the City Arborist. For Protected Trees, the project site arborist shall provide an initial Monthly Tree Activity Report from with a photograph verifying that he has conducted a field inspection of the trees and that the correct type of protective fencing is in place around the designated tree protection zone (TPZ) prior to issuance of a demolition, grading, or building permit. (See TTM, Verification of Tree Protection, Section 1.39).
2. ☑ **Pre-Construction Meeting**. Prior to commencement of construction, the applicant or contractor shall conduct a pre-construction meetings to discuss tree protection with the job site superintendent, grading operators, project site arborist, City Arborist, and, if a city maintained irrigation system is involved, the Parks Manager. (Contact 650-496-6962).
3. ☑ **Inspection of Rough Grading or Trenching**. Contractor shall ensure the project site arborist performs an inspection during the course of rough grading or trenching adjacent to or within the TPZ to ensure trees will not be injured by compaction, cut or fill, drainage and trenching, and if required, inspect aeration system, tree wells, drains and special paving. The contractor shall provide the project arborist at least 24 hours advance notice of such activity.
4. ☑ **Monthly Tree Activity Report Inspection**. The project site arborist shall perform a minimum monthly activity inspection to monitor and advise on conditions, tree health and retention or, immediately if there are any revisions to the approved plans or protection measures. The Tree Technical Manual Monthly Tree Activity Report format shall be used and sent to the Planning Dept. landscape reviewr staff no later than 14 days after issuance of building permit date. Fax to (650) 329-2154. (See TTM, Monthly Tree Activity Inspection Report, Addendum 11.8 section 1.17).
5. ☑ **Special activity within the Tree Protection Zone**. Work in the TPZ area (see also #7 below) requires the direct onsite supervision of the project arborist (see TTM, Trenching, Excavation & Equipment, Section 2.20 C).
6. ☐ **Landscape Architect Inspection**. For discretionary development projects, prior to temporary or final occupancy the applicant or contractor shall arrange for the Landscape Architect to perform an on site inspection of all plant stock, quality of the materials and planting (see TTM, Planting Quality, Section 2.20.1.A) and that the inspection is functioning consistent with the approved construction plans. The Planning Dept. landscape reviewr staff shall be an receipt of written verification of Landscape Architect approval prior to scheduling the final inspection, unless otherwise approved.
7. ☐ **List Other** (please describe as called out in the site Tree Preservation Report, Sheet T-1, T-2, etc.)
   - _____
   - _____

City of Palo Alto
Tree Department
250 Hamilton Avenue
Palo Alto, California, CA 94303
650/496-5953 FAX: 650/852-0289
treeprotection@CityofPaloAlto.org

Verification of Street Tree Protection

Applicant Instructions: Complete upper portion of this form. Mail or FAX this form along with signed Tree Disclosure Statement to Public Works Dept. Public Works Tree Staff will inspect and notify applicant.

APPLICATION DATE:	
ADDRESS/LOCATION OF STREET TREES TO BE PROTECTED:	
APPLICANT'S NAME:	
APPLICANT'S ADDRESS:	
APPLICANT'S TELEPHONE & FAX NUMBERS:	

This section to be filled out by City Tree Staff

1. The Street Trees at the above address(es) are adequately protected. The type of protection used is:	YES ☐ NO* ☐ * If NO, go to #2 below
Inspected by:	
Date of Inspection:	
2. The Street Trees at the above address are **NOT** adequately protected. The following modifications are required: _____ Indicate how the required modifications were communicated to the applicant.	
Subsequent Inspection	
Street trees at above address were found to be adequately protected:	YES ☐ NO* ☐ * If NO, indicate in "Notes" below the disposition of case.
Inspected by:	
Date of Inspection:	
Notes: List City street trees by species, site, condition and type of tree protection installed. Also note if pictures were taken. Use back of sheet if necessary.	

Return approved sheet to Applicant for demolition or building permit issuance.
S:\FMD\CIP\Trees\DISS TreeProtect — 5/17/06

City of Palo Alto Tree Technical Manual — ADDENDUM 11

Arborist Firm Data Here — ISA/CTSA Certified Arborist #WE-000 Council Cert #

Monthly Tree Activity Report- *Construction Site*

Inspection Date: / **Inspection #**	**Site address:** Palo Alto, CA	**Contractor. Main Site Contact Information**	#1 Job site superintendent: Company: Email: Job site Office: Cell: Mail:
		Also present:	• _____ • _____ • _____
Distribution:	1. City of Palo Alto 2. Others	**Attn: Dave Dockter**	Dave.dockter@cityofpaloalto.org 650-329-2440

Provide the requested minimum information with each report, customize as necessary. To be completed by project site arborist. Send monthly to city arborist at above address until project completion. Use additional sheets as needed.

1. Assignment Activity (Demolition/ grading/sewer/trenching/foundation/list relevant visits)
   a. Pre-construction meeting requirement with sub-contractors
   b. Inspect to verify that tree protection measures are in place
   c. Determine if field adjustments, watering or plan revisions may be needed
2. Field Observations (general site-wide and list by individual tree number)
   a. Tree Protection Fences (TPF) are …
   b. Trenching has/will occur …
3. Action Items (list site-wide, by tree number and date to be satisfied) and Date Due
   a. Tree Protection Fence (TPF) needs adjusting (tree # s, s, s)
   b. Root zone buffle material (wood chips) can be installed next
   c. Schedule sewer trench, foundation dig with
4. Photographs (use often)
5. Tree Location Map (mandatory 8.5 x 11 sheet)
6. Recommendations, notes or monitor items for project/staff/schedule
   •
7. Past visits (list carry-over items satisfied/still outstanding)
   •

Respectfully submitted,

Project site arborist
Consultant contact information (Include email, cell#, and mailing)
Cc:

Enter Date — CPA Monthly Tree Activity Report: Type site address here — Page #1 of 1

---WARNING---
Tree Protection Zone

This fencing shall not be removed without City Arborist approval (650-496-5953)

Removal without permission is subject to a $500 fine per day*

Palo Alto Municipal Code Section 8.10.110

City of Palo Alto Tree Protection Instructions are located at http://www.city.palo-alto.ca.us/trees/technical-manual.html

SPECIAL INSPECTIONS — **PLANNING DEPARTMENT**
TREE PROTECTION INSPECTIONS MANDATORY

PAMC 8.10 PROTECTED TREES. CONTRACTOR SHALL ENSURE PROJECT SITE ARBORIST IS PERFORMING REQUIRED TREE INSPECTION AND SITE MONITORING, PROVIDE WRITTEN MONTHLY TREE ACTIVITY REPORTS TO THE PLANNING DEPARTMENT LANDSCAPE REVIEW STAFF BEGINNING 14 DAYS AFTER BUILDING PERMIT ISSUANCE.

BUILDING PERMIT DATE: _____
DATE OF 1ST TREE ACTIVITY REPORT: _____
CITY STAFF: _____

REPORTING DETAILS OF THE MONTHLY TREE ACTIVITY REPORT SHALL CONFORM TO SHEET T-1 FORMAT, VERIFY THAT ALL TREE PROTECTION MEASURES ARE IMPLIMENTED AND WILL INCLUDE ALL CONTRACTOR ACTIVITY, SCHEDULED OR UNSCHEDULED, WITHIN A TREE PROTECTION ROOT ZONE. NON-COMPLIANCE IS SUBJECT TO VIOLATION OF PAMC 8.10.080. REFERENCE: PALO ALTO TREE TECHNICAL MANUAL, SECTION 2.00 AND ADDENDUM 11.

Apply Tree Protection Report on sheet(s) T-2

Use addtional "T" sheets as needed

Project Data

T-1

All other tree-related reports shall be added to the space provided on this sheet (adding as needed)
Include this sheet(s) on Project Sheet Index or Legend Page.
A copy of T-1 can be downloaded at
http://www.cityofpaloalto.org/civica/filebank/blobdload.asp?BlobID=6460

Special Tree Protection Instruction Sheet
City of Palo Alto

T-1

DGA planning | architecture | interiors

550 Ellis Street, Mountain View, CA 94043 650-943-1660
201 Filbert Street, 3rd Floor, San Francisco, CA 94133 415-477-2700
2550 Fifth Avenue, Suite 115, San Diego, CA 92103 619-685-3990
1720 8th Street, Sacramento, CA 95811 916-441-6800

CONSULTANTS

Civil Engineer
BKF ENGINEERS
255 SHORELINE DRIVE, STE 200
REDWOOD CITY, CA, 94065
415.930.7907

Landscape Architect
GATES & ASSOCIATES
1655 N MAIN STREET, STE 365
WALNUT CREEK, CA, 94596
925.736.8176

Structural Engineer
DEGENKOLB ENGINEERS
1300 CLAY STREET, STE 900
OAKLAND, CA 94612
510.250.1216

MEP
ALFATECH
ONE POST STREET, NO.2200
SAN FRANCISCO, CA 94104
415.403.3000

STAMP

REGISTERED LANDSCAPE ARCHITECT — CORY CHOE — No. 6066 — 6/30/2024 — 09/17/2023 — L.A. — STATE OF CALIFORNIA

KEY PLAN

GATES +ASSOCIATES
LANDSCAPE ARCHITECTURE
LAND PLANNING • URBAN DESIGN
1655 N. MAIN ST. STE. 165, WALNUT CREEK, CA 94596
T 925.736.8176 www.dgates.com

NO.	DESCRIPTION	DATE
2	PLANNING PC #2	02.17.23
1	PLANNING PC #1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT GOOGLE

PROJECT EM20

ADDRESS 1020 E MEADOW CIR
PALO ALTO, CA 94303

PROJECT NO.

SCALE AS NOTED

TITLE

SPECIAL TREE PROTECTION INSTRUCTION SHEET

T-1

DGA planning | architecture | interiors 2022 ©

PATH: \\NFILE1\ACAD\PALO ALTO\1020 E MEADOW CAMPUS (P5705)\ACAD\SHEETS_DG-TD-1020 EAK.DWG
PLOT DATE: 2/17/2023 10:57 AM

urbantreemanagement

Tree Inventory of

1020 E Meadow Circle
Palo Alto, CA 94303

Prepared by
Urban Tree Management, Inc.

October 10, 2019

(650) 321-0202 | po box 971 los gatos ca 95031 | urbantreemanagement.com
contractor's license # 755989 | certified arborist WC#23 | certified tree risk assessor #1399

1020 E Meadow Circle
Palo Alto, CA 94303

Assignment

It was our assignment to physically inspect trees in the survey area based on a topographic map provided by the client. We were to map, tag and compile data for each tree and write an inventory/ survey report documenting my observations.

Summary

This survey provides a numbered map and complete and detailed information for each tree surveyed. There are sixty-nine trees included in this report. Ten of the trees are protected trees under the City of Palo Alto's regulated tree ordinance. Thirty unprotected trees and two protected trees are recommended for removal.

Discussion

All the trees surveyed were examined and then rated based on their individual health and structure according to the table following. For example, a tree may be rated "good" under the health column for excellent/vigorous appearance and growth, while the same tree may be rated "fair/poor" in the structure column if structural mitigation is needed. More complete descriptions of how health and structure are rated can be found under the "Methods" section of this report. The complete list of trees and all relevant information, including their health and structure ratings, their "protected/significant" status, a map and recommendations for their care can be found in the data sheet that accompanies this report.

Rating	Health	Structure
Good	excellent/vigorous	flawless
Fair/good	no significant health concerns	very stable
Fair	showing initial or temporary disease, pests or lack of vitality. measures should be taken to improve health and appearance.	routine maintenance needed such as pruning or end weight reduction as tree grows
Fair/poor	in decline, significant health issues	significant structural weakness(es), mitigation needed, mitigation may or may not preserve the tree
Poor	dead or near dead	hazard

Methods

The trunks of the trees are measured using an arborist's diameter tape at 54" above soil grade. In cases where the main trunk divides below 54", the tree is measured (per the City of Palo Alto's regulated tree ordinance) at the point where the trunks divide. In these cases, the height of that measurement is given in the note's column on the attached data sheet. The canopy height and spread are estimated using visual references only.

The condition of each tree is assessed by visual observation only from a standing position without climbing or using aerial equipment. No invasive equipment is used. Consequently, it is possible that individual tree(s) may have internal (or underground) health problems or structural defects, which are not detectable by visual inspection. In cases where it is thought further investigation is warranted, a "full tree risk assessment" is recommended. This assessment may be inclusive of drilling or using sonar equipment to detect internal decay and include climbing or the use of aerial equipment to assess higher portions of the tree.

The health of an individual tree is rated based on leaf color and size, canopy density, new shoot growth and the absence or presence of pests or disease. Individual tree structure is rated based on the growth pattern of the tree (including whether it is leaning), the presence or absence of poor limb attachments (such as co-dominant leaders, included bark, etc.), the length and weight of limbs and the extent and location of apparent decay.

Individual tree structure is rated based on the growth pattern of the tree (including whether it is leaning); the presence or absence of poor limb attachments (such as co-dominant leaders); the length and weight of limbs and the extent and location of apparent decay. For each tree, a structural rating of fair or above indicates that the structure can be maintained with routine pruning such as removing dead branches and reducing end weight as the tree grows. A fair/poor rating indicates that the tree has significant structural weaknesses and corrective action is warranted. The notes section for that tree will then recommend a strategy/technique to improve the structure or mitigate structural stresses. A poor structural rating indicates that the tree or portions of the tree are likely to fail and that there is little that can constructively be done about the problem other than removal of the tree or large portions of the tree. Very large trees that are rated Fair/Poor for structure AND that are near structures or in an area frequently traveled by cars or people, receive an additional **CONSIDER REMOVAL" notation under recommendations. This is included because structural mitigation techniques do not guarantee against structural failure, especially in very large trees. Property owners may or may not choose to remove this type of tree but should be aware that if a very large tree experiences a major structural failure, the danger to nearby people or property is significant.

Survey Area Observations

The property is located in an industrial area in the City of Palo Alto. The lot is roughly rectangular, and the property is flat and unoccupied.

Tree Health on This Property

Generally, the trees in the survey area range from fair/good to poor. All of the trees in this survey would benefit from regular maintenance, pruning and irrigation. Many of the trees have been topped for power line clearance. Individual issues and recommendations for each tree are listed under the "Notes" column on the accompanying data sheet.

Tree Structure on This Property

Ideally, trees are pruned for structure when young and are properly mainained to reduce end-weight as they grow. This practice prevents excessively long, lateral branches that are prone to breaking off due to weight or wind. As mentioned above all trees on this property would benefit from routine maintenance and pruning and the surveyed trees have received fair/good to poor structure ratings.

Local Regulations Governing Trees

Public/Street Trees
All public trees are regulated. Public or street trees are all trees growing within the street right-of-way, on public property such as parks, and outside private property. In some cases, property lines lie several feet behind the sidewalks. A permit from the Public Works and Planning Departments is required prior to any work on or within the dripline of any public/street tree.

Protected Trees
Protected trees include trees of specific species or distinctive character, public or private. Individual species of trees that are protected are all Coast Live Oaks, Valley Oaks (greater than 11.5 inches in diameter), and Coast Redwood (greater than 18 inches in diameter). Heritage Trees are also protected. Heritage trees are individual trees of any size or species or historical significance that are deemed as such by City Council. Property owners may also nominate a tree for Heritage Tree status if it has characteristics that are distinctive.

Designated Trees
Designated trees are all trees (public and private), when associated with a development project, that are specifically designated by the City to be saved and protected on public and private property which is subject to discretionary development review. These instances can include variances, home improvement exceptions, architectural reviews, site and design reviews, subdivision reviews, etc.

Risks to Trees by Construction

Besides the above-mentioned health and structure-related issues, the trees at this site could be at risk of damage by construction or construction procedures that are common to most construction sites. These procedures may include the dumping or the stockpiling of materials over root systems; the trenching across the root zones for utilities or for landscape irrigation; or the routing of construction traffic across the root system resulting in soil compaction and root dieback. It is therefore essential that Tree Protection Fencing be used as per the Architect's drawings. In constructing underground utilities, it is essential that the location of trenches be done outside the drip lines of trees except where approved by the Arborist.

General Tree Protection Plan

Protective fencing is required to be provided during the construction period to protect trees to be preserved. This fencing must protect a sufficient portion of the root zone to be effective. Fencing is recommended to be located 8 to 10 X the diameter at breast height (DBH) in all directions from the tree. DBH for each tree is shown in the attached data table. The minimum recommendation for tree protection fencing location is 6 X the DBH, where a larger distance is not possible. There are areas where we will amend this distance based upon tree condition and proposed construction. In my experience, the protective fencing must:

a. Consist of chain link fencing and having a minimum height of 6 feet.
b. Be mounted on steel posts driven approximately 2 feet into the soil.
c. Fencing posts must be located a maximum of 10 feet on center.
d. Protective fencing must be installed prior to the arrival of materials, vehicles, or equipment.
e. Protective fencing must not be moved, even temporarily, and must remain in place until all construction is completed, unless approved be a certified arborist.
f. Tree Protection Signage shall be mounted to all individual tree protection fences.

Based on the existing development and the condition and location of trees present on site, the following is recommended:

1. The Project Arborists is Allie Strand Michael Young (650) 321-0202. A Project Arborist should supervise any excavation activities within the tree protection zone of these trees.
2. Any roots exposed during construction activities that are larger than 2 inches in diameter should not be cut or damaged until the project Arborist has an opportunity to assess the impact that removing these roots could have on the trees.
3. The area under the drip line of trees should be thoroughly irrigated to a soil depth of 18" every 3-4 weeks during the dry months.
4. Mulch should cover all bare soils within the tree protection fencing. This material must be 6-8 inches in depth after spreading, which must be done by hand. Course wood chips are preferred because they are organic and degrade naturally over time.
5. Loose soil and mulch must not be allowed to slide down slope to cover the root zones or the root collars of protected trees.

6. There must be no grading, trenching, or surface scraping inside the driplines of protected trees, unless specifically approved by a Certified Arborist. For trenching, this means:
   a. Trenches for any underground utilities (gas, electricity, water, phone, TV cable, etc.) must be located outside the driplines of protected trees, unless approved by a Certified Arborist. Alternative methods of installation may be suggested.
   b. Landscape irrigation trenches must be located a minimum distance of 10 times the trunk diameter from the trunks of protected trees unless otherwise noted and approved by the Arborist.
7. Materials must not be stored, stockpiled, dumped, or buried inside the driplines of protected trees.
8. Excavated soil must not be piled or dumped, even temporarily, inside the driplines of protected trees.
9. Landscape materials (cobbles, decorative bark, stones, fencing, etc.) must not be installed directly in contact with the bark of trees because of the risk of serious disease infection.
10. Landscape irrigation systems must be designed to avoid water striking the trunks of trees, especially oak trees.
11. Any pruning must be done by a Company with an Arborist Certified by the ISA (International Society of Arboriculture) and according to ISA, Western Chapter Standards, 1998.
12. Any plants that are planted inside the driplines of oak trees must be of species that are compatible with the environmental and cultural requirements of oaks trees. A publication detailing plants compatible with California native oaks can be obtained from The California Oak Foundation's 1991 publication "Compatible Plants Under & Around Oaks" details plants compatible with California native oaks and is currently available online at: http://californiaoaks.org/wp-content/uploads/2016/04/CompatiblePlantsUnderAroundOaks.pdf

+++++

I certify that the information contained in this report is correct to the best of my knowledge and that this report was prepared in good faith. Please call me if you have questions or if I can be of further assistance.

Respectfully,

Michael P. Young

DGA planning | architecture | interiors

550 Ellis Street, Mountain View, CA 94043 650-943-1660
201 Filbert Street, 3rd Floor, San Francisco, CA 94133 415-477-2700
2550 Fifth Avenue, Suite 115, San Diego, CA 92103 619-685-3990
1720 8th Street, Sacramento, CA 95811 916-441-6800

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415.930.7907

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WALNUT CREEK, CA, 94596
925.736.8176

Structural Engineer
DEGENKOLB ENGINEERS
1300 CLAY STREET, STE 900
OAKLAND, CA 94612
510.250.1216

MEP
ALFATECH
ONE POST STREET, NO.2200
SAN FRANCISCO, CA 94104
415.403.3000

STAMP

REGISTERED LANDSCAPE ARCHITECT · CHRIS CHOE · No. 6369 · 8/30/2024 · 09/17/2023 · L.A. · STATE OF CALIFORNIA

KEY PLAN

GATES +ASSOCIATES
LANDSCAPE ARCHITECTURE
LAND PLANNING · URBAN DESIGN
1655 N. MAIN ST. STE. 165, WALNUT CREEK, CA 94596
T. 925.736.8176 www.dgates.com

NO.	DESCRIPTION	DATE
2	PLANNING PC #2	02.17.23
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	PLANNING PERMIT	04.14.22

CLIENT GOOGLE

PROJECT EM20

ADDRESS 1020 E MEADOW CIR
PALO ALTO, CA 94303

PROJECT NO.

SCALE AS NOTED

TITLE

ARBORIST REPORT

T-2

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PATH: \\SNFILE\VCAD\PALO ALTO\1020 E MEADOW CAMPUS (P5705)\VCAD\SHEETS_DC-TD-1020 EM.DWG
PLOT DATE: 2/7/2020 10:58 AM

urbantreemanagement inc.

ASSUMPTIONS AND LIMITING CONDITIONS

1. Any legal description provided to this arborist is assumed to be correct. No responsibility is assumed for matters legal in character nor is any opinion rendered as to the quality of any title.
2. This arborist can neither guarantee nor be responsible for accuracy of information provided by others.
3. This arborist shall not be required to give testimony or to attend court by reason of the information provided by this arborist unless subsequent written arrangements are made, including payment of an additional fee for services.
4. Loss or removal of any part of this report invalidates the entire report.
5. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person(s) to whom it is addressed without written consent of this arborist.
6. This report and the values expressed herein represent the opinion of this arborist, and this arborist's fee is in no way contingent upon the reporting of a specified value nor upon any finding to be reported.
7. Sketches, diagrams, graphs, photos, etc., in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering reports or surveys.
8. This report has been made in conformity with acceptable appraisal/evaluation/diagnostic reporting techniques and procedures, as recommended by the International Society of Arboriculture.
9. When applying any pesticide, fungicide, or herbicide, always follow label instructions.
10. No tree described in this report was climbed, unless otherwise stated. This arborist cannot take responsibility for any defects which could only have been discovered by climbing. A full root collar inspection, consisting of excavating the soil around the tree to uncover the root collar and major buttress roots, was not performed, unless otherwise stated. This arborist cannot take responsibility for any root defects which could only have been discovered by such an inspection.

ARBORIST DISCLOSURE STATEMENT

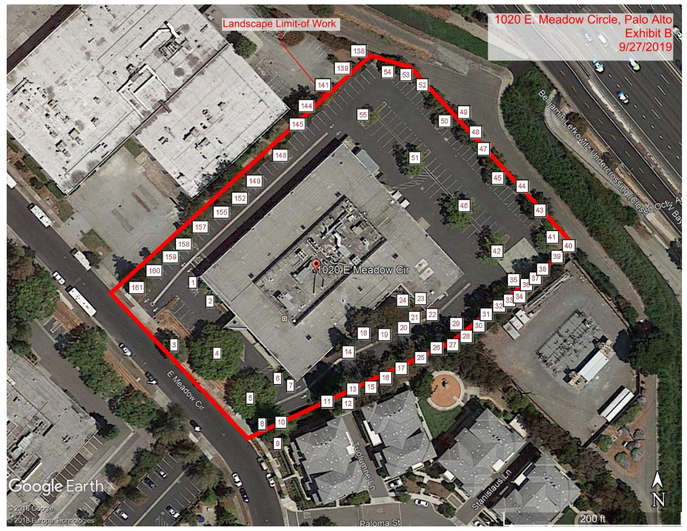
Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of the arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

(650)323-1210 (C) | (408)-399-8063 | 55 Stockton Ave Ste 200 San Jose, CA 95031 | urbantreemanagement.com
contractors license # 733989 | certified arborist WC-ISA# 633



TREE SURVEY DATA URBAN TREE MANAGEMENT INC., Los Gatos, CA

Address: 1020 E Meadow Circle Palo Alto, CA 94303

Inspection Date: 10/10/ 2019

KEY	Health	Structure
Good	excellent, vigorous	flawless
Fair, Good	no significant health concerns	very stable
Fair	declining; measures should be taken to improve health and appearance	routine maintenance needed
Fair, Poor	in decline: significant health issues	mitigation needed, it may or may not preserve this tree
Poor	dead or near dead	hazard

Ratings For health and structure are given separately for each tree according to the table below. IE, a tree may be rated "Good" under the health column For excellent, vigorous appearance and growth, while the same tree may be rated "Fair, Poor" in the structure column if structural mitigation is needed.

Tag no	Common Name	Diameter at Breast Height (in)[1]	W/H	HEALTH	STRUCTURE	PROTECTED (X)	REMOVAL (X)	PROTECTED REMOVAL (XX)	NOTES, RECOMMENDATIONS
1	Podocarpus	6/2.5/1.5	5'/12'	fg	f		x		Recommend removal too close to structure
2	Podocarpus	5/3/2.5	5'/12'	fg	f		x		Recommend removal too close to structure
3	London plane	12.5	25'/30'	f	f				Recommend EWR, DWR, SP
4	Chinese elm	20.5	60'/30'	f	f				Recommend EWR, DWR, SP, RCE, multiple leaders at 6'
5	Chinese elm	18	50'/30'	f	f				Recommend EWR, DWR, SP, RCE, multiple leaders at 6'
6	Podocarpus	6_	5'/10'	f	f		x		Recommend removal too close to structure
7	Podocarpus	6	5'/10'	f	f		x		Recommend removal too close to structure
8	Coast redwood	29.5	20'/70'	fg	fg	x			Recommend EWR, DWR
9	Coast redwood	20	15'/60'	fg	fg	x			Recommend EWR, DWR
10	Coast redwood	28.5	20'/80'	fg	fg	x			Recommend EWR, DWR
11	Coast redwood	24	20'/65'	fg	fg	x			Recommend EWR, DWR
12	Coast redwood	19	15'/60'	fg	fg	x			Recommend EWR, DWR
13	Coast redwood	22	15'/60'	fg	fg	x			Recommend EWR, DWR
14	Coast redwood	26	20'/55'	f	fg	x		xx	Recommend removal too close to structure
15	Ironbark eucalyptus	18	25'/50'	f	f	x			Recommend EWR, DWR, SP, RCE
16	Ironbark eucalyptus	19	30'/45'	f	f	x			Recommend EWR, DWR, SP, RCE
17	Ficus	6.5	20'/18'	f	f				Recommend EWR, DWR, SP, RCE, multiple leaders at 6'
18	Ironbark eucalyptus	22	30'/45'	f	f		x		Recommend removal too close to structure
19	Ironbark eucalyptus	15	25'/40'	fp	fp		x		Recommend removal too close to structure
20	Eucalyptus	24	30'/45'	f	fp		x		Recommend removal too close to structure
21	Birch	5	12'/18'	p	p		x		Recommend removal,Tree is dead
22	Birch	3	6'/15'	p	p		x		Recommend removal,Tree is dead
23	Birch	2	5'/10,	p	p		x		Recommend removal, Tree is dead
24	Birch	7	8'/20'	p	p		x		Recommend removal, Tree is dead
25	Ironbark eucalyptus	16	30'/30'	f	f				Recommend EWR, DWR, SP, RCE
26	Eucalyptus sp	13/13	30'/30'	f	fp				Recommend EWR, DWR, SP, RCE, codominant leaders at 2.5', leaning
27	Eucalyptus sp	6/5.5	15'/20'	f	fp				Recommend EWR, DWR, SP, RCE, codominant leaders at 1'
28	Eucalyptus sp	7.5	10'/25'	f	fp				Recommend EWR, DWR, SP, RCE,
29	Ficus	6	8'/12'	fp	fp		x		Recommend removal tree has no hope for recovery
30	Eucalyptus sp	5.5	10'/20'	f	f				Recommend EWR, DWR, SP, RCE, leaning, neighbors tree
31	Eucalyptus sp	6.5	10'/25'	f	f				Recommend EWR, DWR, SP, RCE, codominant leaders at 7', neighbors tree
32	Eucalyptus sp	10_7_6	20'/30'	f	fp				Recommend EWR, DWR, SP, RCE, codominant leaders at base, neighbors tree
33	Eucalyptus sp	17	20'/35'	f	f				Recommend EWR, DWR, SP, RCE, codominant leaders at 7', neighbors tree
34	Eucalyptus sp	12_10_7	20'/35'	f	fp				Recommend EWR, DWR, SP, RCE, 3 leaders at base, neighbors tree
35	Ficus	6.5	12'/12'	f	fp		x		Recommend removal, tree has no hope for recovery
36	Eucalyptus sp	6.5	8'/20'	f	f				Recommend EWR, DWR, SP, RCE, leaning, neighbors tree
37	Eucalyptus sp	17	30'/30'	fp	fp				Recommend EWR, DWR, SP, RCE, codominant leaders from 5', neighbors tree
38	Eucalyptus sp	18	25'/35'	f	fp				Recommend EWR, DWR, SP, RCE, codominant leaders from 8', neighbors tree
39	Coast live oak	10	12'/18'	f	fp				Recommend EWR, DWR, SP, RCE, multiple leaders at 9', neighbors tree
40	Eucalyptus sp	20	30'/30'	f	fp				Recommend EWR, DWR, SP, RCE, multiple leaders at 6', neighbors tree
41	Coast redwood	24	20'/18'	p	p	x		xx	Recommend removal, Tree is dead
42	London plane	13	20'/25'	f	fp		x		Recommend removal, larger tree needed for city shade requirements
43	Ironbark eucalyptus	22	15'/15'	p	p		x		Recommend removal, tree is 75% dead, tree was topped for power lines
44	Ironbark eucalyptus	14	10'/15'	p	p		x		Recommend removal, tree is 75% dead, tree was topped for power lines
45	Ficus	9	15'/18'	fp	fp		x		Recommend removal little new growth, no hope for recovery
46	London plane	10.5	20'/20'	fp	f		x		Recommend removal, little new growth, larger tree needed for city shade requirements
47	Ironbark eucalyptus	18	10'/15'	p	p		x		Recommend removal, tree is 75% dead, tree was topped for power lines
48	Ironbark eucalyptus	22	20'/15'	p	p		x		Recommend removal, tree is 75% dead, tree was topped for power lines
49	Ironbark eucalyptus	17	20'/15'	p	p		x		Recommend removal, tree is 75% dead, tree was topped for power lines
50	Ficus	8.5	12'/15'	fp	fp		x		Recommend removal, little new growth no hope for recovery
51	London plane	10	20'/25'	fp	f		x		Recommend removal, little new growth no hope for recovery
52	Ironbark eucalyptus	16	10'/12'	p	p		x		Recommend removal, tree is 75% dead, tree was topped for power lines
53	Ironbark eucalyptus	17	10'/10'	p	p		x		Recommend removal, tree is 75% dead, tree was topped for power lines
54	Ironbark eucalyptus	15	10'/10'	p	p		x		Recommend removal, tree is 75% dead, tree was topped for power lines
55	London plane	7	12'/15'	p	fp		x		Recommend removal, tree is dead
	Trees below were tagged	and surveyed on 7/17/2019	for 1039 E Meadow						
138	Oleander	multiple from base	20'/10'	fg	f				Recommend EWR, SP, RCE, group of 3 trees
139	Oleander	multiple from base	20'/12'	fg	f				Recommend EWR, SP, RCE, group of 2 trees
141	Oleander	multiple from base	20'/12'	fg	f				Recommend EWR, SP, RCE, group of 2 trees
144	Oleander	multiple from base	12'/8'	f	f				Recommend EWR, SP, RCE
145	Oleander	multiple from base	25'/10'	f	f				Recommend EWR, SP, RCE, group of 4 trees
148	Carob	7	15'/25'	fp	f		x		Recommend removal, little new growth, larger tree needed for city shade requirements
149	Ironbark eucalyptus	10	10'/30'	fp	fp				No new growth dead or dying
152	Carob	4.5	10'/18'	f	f		x		Recommend removal, larger tree needed for city shade requirements
155	Ironbark eucalyptus	26	25'/65'	f	f				Recommend EWR, DWR, SP, RCE, releasing sap
157	Ironbark eucalyptus	17	15'/30'	fp	f				Recommend EWR, DWR, SP, RCE, no new growth
158	Liquidambar	6	10'/25'	fg	f				Recommend EWR, DWR, SP, RCE

Tag no	Common Name	Diameter at Breast Height (in)[1]	W/H	HEALTH	STRUCTURE	PROTECTED (X)	REMOVAL (X)	PROTECTED REMOVAL (XX)	NOTES, RECOMMENDATIONS
159	Carob	7	15'/15'	f	f		x		Recommend removal, larger tree needed for city shade requirements
160	Liquidambar	9.5	12'/25	fg	f				Recommend EWR, DWR, SP, RCE
161	Coast redwood	36.5	30'/70'	f	f	x			Recommend EWRE, DWR, top half of tree is starting to decline

TOTAL TREES		**69**		
PROTECTED TOTAL			**11**	
REMOVAL TOTAL				**30**
PROTECTED REMOVALS TOTAL				**2**

KEY TO ACRONYMS
DWR - Dead Wood Removal
EWR - End Weight Reduction: pruning to remove weight from limb ends, thus reducing the potential for limb failure
RCE - Root Collar Excavation: excavating a small area around a tree that is currently buried by soil or refuse above buttress roots, usually done with a hand shovel.
SP - Structural pruning - removal of selected non-dominant leaders in order to balance the tree

Public/Street Trees
All public trees are regulated. Public or street trees are all trees growing within the street right-of-way, on public property such as parks, and outside private property. In some cases property lines lie several feet behind the sidewalks. A permit from the Public Works and Planning Departments is required prior to any work on or within the dripline of any public/street tree.

Protected Trees
Protected trees include trees of specific species or distinctive character, public or private. Individual species of trees that are protected are all Coast Live Oaks, Valley Oaks (greater than 11.5 inches in diameter), and Coast Redwood (greater than 18 inches in diameter). Heritage Trees are also protected. Heritage trees are individual trees of any size or species or historical significance that are deemed as such by City Council. Property owners may also nominate a tree for Heritage Tree status if it has characteristics that are distinctive.

Designated Trees
Designated trees are all trees (public and private), when associated with a development project, that are specifically designated by the City to be saved and protected on public and private property which is subject to discretionary development review. These instances can include variances, home improvement exceptions, architectural reviews, site and design reviews, subdivision reviews, etc.

Common Name	*Latin Name*
Podocarpus	*Podocarpus macrophyllus*
London Plane	*Platanus x acerifolia*
Chinese elm	*Ulmus parvifolia*
Coast redwood	*Sequoia sempervirens*
Ironbark eucalyptus	*Eucalyptus sideroxylon*
Ficus	*Ficus benjamina*
Eucalyptus	*Eucalyptus globulus*
Birch	*Betula*
Oleander	*Nerium oleander*
Liquidambar	*Liquidambar styraciflua*
Carob	*Ceratonia siliqua*

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1720 8th Street, Sacramento, CA 95811 916-441-6800

CONSULTANTS
Civil Engineer
BKF ENGINEERS
255 SHORELINE DRIVE, STE 200
REDWOOD CITY, CA, 94065
415.930.7907

Landscape Architect
GATES & ASSOCIATES
1655 N MAIN STREET, STE 365
WALNUT CREEK, CA, 94596
925.736.8176

Structural Engineer
DEGENKOLB ENGINEERS
1300 CLAY STREET, STE 900
OAKLAND, CA 94612
510.250.1216

MEP
ALFATECH
ONE POST STREET, NO.2200
SAN FRANCISCO. CA 94104
415.403.3000

STAMP

REGISTERED LANDSCAPE ARCHITECT — CORY CHOE — No. 6306 — 6/30/2024 — 09/27/2023 — L.A. — STATE OF CALIFORNIA

KEY PLAN

GATES +ASSOCIATES
LANDSCAPE ARCHITECTURE
LAND PLANNING • URBAN DESIGN
1655 N. MAIN ST. STE. 165, WALNUT CREEK, CA 94596
T 925.736.8176 www.dgates.com

NO.	DESCRIPTION	DATE
2	PLANNING PC #2	02.17.23
1	PLANNING PC #1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT GOOGLE

PROJECT EM20

ADDRESS 1020 E MEADOW CIR
PALO ALTO, CA 94303

PROJECT NO.

SCALE AS NOTED

TITLE

ARBORIST REPORT

T—3

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PATH: \\OFFICE\ACAD\PALO ALTO\1020 E MEADOW CAMPUS (P5705)\ACAD\SHEETS_DC-TD-1020 EM.DWG
PLOT DATE: 2/17/2020 10:58 AM

URBAN TREE MANAGEMENT, INC Tree Valuations-Guide for Tree Appraisals 9th Edition

Address: 1020 E Meadow Circle Palo Alto, CA 94303
Date: 8/10/2020

Tree #	Species	DBH	Group	Trunk 1	Area 1	Trunk 2	Area2	Trunk 3	Area 3	Trunk 4	Area 4	Trunk 5	Area 5	In. Sq.	Replace In. Sq.	Price In. Sq.	BASIC VALUE	Species %	Condition %	Location %	Un-rounded Value	Rounded Value	Running Total
1	Podocarpus	6/2.5/1.5	1	6	28.26	2.50	4.91	1.50	1.77		0		0	31.6	2.09	82.82	$2,789	80%	75%	80%	$ 1,338.80	$ 1,340.00	$ 1,340
2	Podocarpus	5/3/2.5	1	5	19.63	3.00	7.07	2.50	4.91		0		0	25.6	2.09	82.82	$2,293	80%	75%	80%	$ 1,100.85	$ 1,100.00	$ 2,440
3		12.5																		0%	0	0	$ 2,440
4		20.5																		80%	0	0	$ 2,440
5		18																		80%	0	0	$ 2,440
6	Podocarpus	6_	1	6	28.26		0.00		0.00		0		0	28.3	2.09	82.82	$2,513	80%	70%	80%	$ 1,125.76	$ 1,130.00	$ 3,570
7	Podocarpus	6	1	6	28.26		0.00		0.00		0		0	28.3	2.09	82.82	$2,513	80%	70%	80%	$ 1,125.76	$ 1,130.00	$ 4,700
8		29.5																		80%	0	0	$ 4,700
9		20																		80%	0	0	$ 4,700
10		28.5																		80%	0	0	$ 4,700
11		24																		80%	0	0	$ 4,700
12		19																		80%	0	0	$ 4,700
13		22																		80%	0	0	$ 4,700
14		26																		80%	0	0	$ 4,700
15		18																		80%	0	0	$ 4,700
16		19																		80%	0	0	$ 4,700
17		6.5																		80%	0	0	$ 4,700
18		22																		80%	0	0	$ 4,700
19		15																		80%	0	0	$ 4,700
20		24																		75%	0	0	$ 4,700
21		5																		75%	0	0	$ 4,700
22	Birch	3	3	3	7.07		0.00		0.00		0		0	7.1	3.80	45.46	$494	70%	0%	75%	0	0	$ 4,700
23	Birch	2	3	2	3.14		0.00		0.00		0		0	3.1	3.80	45.46	$315	70%	0%	75%	0	0	$ 4,700
24		7																		80%	0	0	$ 4,700
25		16																		80%	0	0	$ 4,700
26		13/13																		80%	0	0	$ 4,700
27		6/5.5																		75%	0	0	$ 4,700
28		7.5																		75%	0	0	$ 4,700
29		6																		75%	0	0	$ 4,700
30		5.5																		75%	0	0	$ 4,700
31		6.5																		75%	0	0	$ 4,700
32		10_7_6																		75%	0	0	$ 4,700
33		17																		80%	0	0	$ 4,700
34		12_10_7																		80%	0	0	$ 4,700
35	Ficus	6.5	3	7	33.17		0.00		0.00		0		0	33.2	3.80	45.46	$1,680	80%	40%	75%	$ 403.31	$ 400.00	$ 5,100
36		6.5																		75%	0	0	$ 5,100
37		17																		75%	0	0	$ 5,100
38		18																		80%	0	0	$ 5,100
39		10																		80%	0	0	$ 5,100
40		20																		80%	0	0	$ 5,100
41		24																		80%	0	0	$ 5,100
42		13																		80%	0	0	$ 5,100
43		22																		75%	0	0	$ 5,100
44	Ironbark eucalyptus	14	2	14	153.86		0.00		0.00		0		0	153.9	2.24	77.04	$12,026	75%	0%	75%	0	0	$ 5,100
45		9																		75%	0	0	$ 5,100
46		10.5																		75%	0	0	$ 5,100
47	Ironbark eucalyptus	18	2	18	254.34		0.00		0.00		0		0	254.3	2.24	77.04	$19,767	75%	0%	80%	0	0	$ 5,100
48	Ironbark eucalyptus	22	2	22	379.94		0.00		0.00		0		0	379.9	2.24	77.04	$29,443	75%	0%	75%	0	0	$ 5,100
49		17																		80%	75%	0	$ 5,100
50	Ficus	8.5	3	9	56.72		0.00		0.00		0		0	56.7	3.80	45.46	$2,751	80%	35%	75%	$ 577.72	$ 580.00	$ 5,680
51		10																		80%	75%	0	$ 5,680
52	Ironbark eucalyptus	16	2	16	200.96		0.00		0.00		0		0	201.0	2.24	77.04	$15,655	75%	0%	80%	0	0	$ 5,680
53	Ironbark eucalyptus	17	2	17	226.87		0.00		0.00		0		0	226.9	2.24	77.04	$17,651	75%	0%	80%	0	0	$ 5,680
54	Ironbark eucalyptus	15	2	15	176.63		0.00		0.00		0		0	176.6	2.24	77.04	$13,780	75%	0%	80%	0	0	$ 5,640
55	London plane	7	3	7	38.47		0.00		0.00		0		0	38.5	3.80	45.46	$1,921	80%	25%	80%	$ 307.41	$ 310.00	$ 5,990
138		multiple from base																		60%	80%	0	$ 5,990
139		multiple from base																		60%	80%	0	$ 5,990
141		multiple from base																		60%	80%	0	$ 5,990
144		multiple from base																		60%	80%	0	$ 5,990
145		multiple from base																		70%	80%	0	$ 5,990
148		7																		60%	80%	0	$ 5,990
149		10																		70%	80%	0	$ 5,990
152	Carob	4.5	3	3	7.07		0.00		0.00		0		0	7.1	3.80	45.46	$494	80%	50%	80%	$ 158.04	$ 160.00	$ 6,150
155		26																		60%	80%	0	$ 6,150
157		17																		50%	80%	0	$ 6,150
158		6																		50%	80%	0	$ 6,150
159		7																		60%	80%	0	$ 6,150
160		9.5																		60%	80%	0	$ 6,150
161		36.5																		20%	80%	0	$ 6,150

Common name	Latin name
Podocarpus	*Podocarpus macrophyllus*
Birch	*Betula sp.*
Eucalyptus	*Eucalyptus globulus*
Ironbark eucalyptus	*Eucalyptus sideroxylon*
Ficus	*Ficus benjamina*
London Plane	*Platanus x acerifolia*
Carob	*Ceratonia siliqua*

TOTAL #REF!

Group Number
source: Master Chapter, ISA, Species classification and group assignment,

No. Cal. - Coastal Influence,

Condition Rating
source: Purdue University Dept of Landscape Horticulture HO-207W, Table 3

100	This is a perfect specimen with excellent form and vigor for this species, No pest problems, NO structural problems, No corrective work required.	G/G
80	This tree is in good condition, healthy and vigorous. The tree has no apparent pest problems or structural damage, Little or no corrective work required.	FG/FG
70	This tree is in fair/good condition and is healthy. The tree has no apparent pest problems or structural damage, Little or no corrective work required.	FG/F
50	This tree is in fair condition with average health and vigor for the area. The tree may need some corrective pruning or repair. The tree may show symptoms of minor insect, disease, and/or physiological problems.	F/F
30	This tree is in fair health but needs a major mitigation measure to be safe structurally.	F/FP FP/F
20	This tree is in poor conditionand in a general state of decline. The tree may show symptoms of severe insect, disease, and or physiological problems. The tree may require major repais or renovation.	FP/FP
0	This tree is dead or dying or has been recommended for removal due to species, health, hazard or very poor contribution P in any category	

Species desirability based on group number
source: Master Chapter, ISA, Species classification and group assignment, Inside cover addendum

90%	1
70%	2
50%	3
30%	4
10%	5

Location Rating
source: Bill Hubbard UFD- Centers for Urban and Interface Forestry USDA Forest Service, Forestry Sciences Laboratory 320 Green St., Athens, GA 30602-2044

100	Perfect Location or historic tree
90	Arboretum
80	Commecial (high-traffic)
75	Commercial (low-traffic)
80	Malls
75	Cemeteries
75	School Campus
70	Business/Industrial Campus
80	Recreational areas (intensive use)
50	Recreational areas (extensive use)
90	Residential (urban)
80	Residential (suburban)
70	Residential (rural)
80	Street (blvd)
70	Street (residential)
60	Street (general city)
40	Street (county)
30	Street (freeway)
10	Woodland area

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2550 Fifth Avenue, Suite 115, San Diego, CA 92103 619-685-3990
1720 8th Street, Sacramento, CA 95811 916-441-6800

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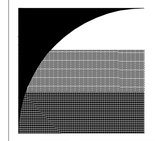
KEY PLAN



GATES +ASSOCIATES
LANDSCAPE ARCHITECTURE
LAND PLANNING • URBAN DESIGN
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T 925.736.8176 www.dgates.com

NO.	DESCRIPTION	DATE
2	PLANNING PC #2	02.17.23
1	PLANNING PC #1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT GOOGLE

PROJECT EM20

ADDRESS 1020 E MEADOW CIR
PALO ALTO, CA 94303

PROJECT NO.

SCALE AS NOTED

TITLE

TREE VALUATION

T—4

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PATH: \\SFSFS21\HOME$\PALO ALTO\1020 E MEADOW CAMPUS (P5705)\ACAD\SHEETS_DC-TD-1020 EMC.DWG
PLOT DATE: 12/7/2023 10:58 AM

FEEDER SCHEDULE

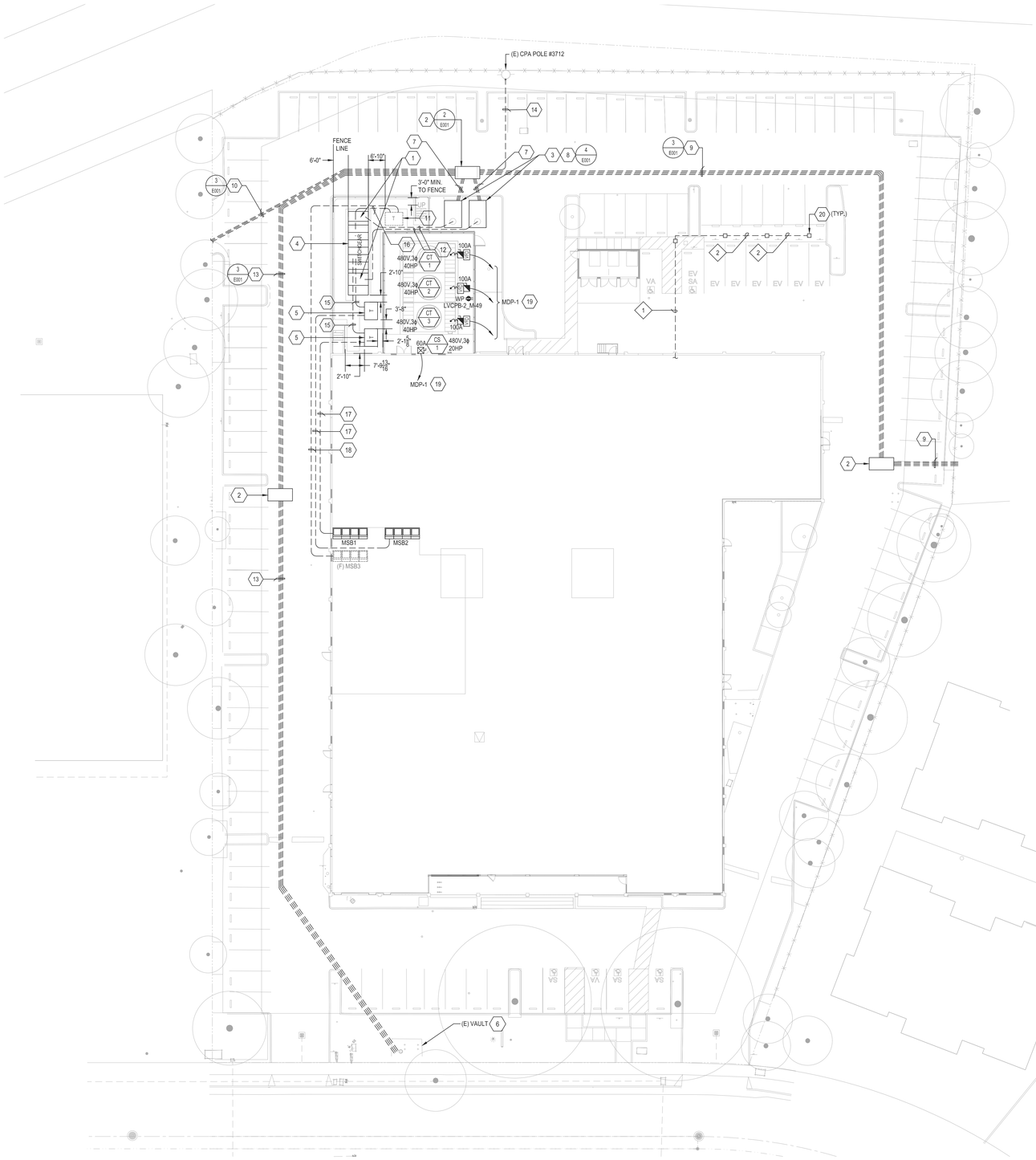
1. 2"CO - FUTURE EV CHARGERS
2. 1½"CO - FUTURE EV CHARGERS

GENERAL NOTES

1. ALL EASEMENTS FOR NEW CITY ELECTRICAL EQUIPMENT AND FACILITIES WILL BE OBTAINED FROM THE CITY OF PALO ALTO REAL ESTATE DEPARTMENT BY THE APPLICANT.

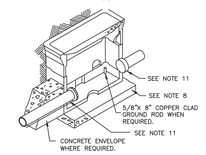
SHEET NOTES

1. METER BY CPAU.
2. (N) 5'x10' TRAFFIC RATED PRIMARY VAULT BY OWNER. REFERENCE CPAU DWG #DT-SS-U-1002.
3. SWITCHES BY CPAU.
4. SWITCHGEAR BY OWNER.
5. TRANSFORMER BY OWNER.
6. CORE (3) 6"C INTO SIDE OF VAULT FOR PRIMARY SERVICE TIE-IN.
7. (3) 6"C CONCRETE ENCASED FOR PRIMARY SERVICE TIE-IN. REFERENCE CPAU STD. DWG #DT-SS-U-1003.
8. 5' x 10' VAULT UNDERNEATH A 11' x 7' PAD WITH UTILITY OWNED SWITCH AT GRADE. REFERENCE CPAU STD. DWG #DT-SS-U-1026 (SHEET #2) AND CPAU DWG #DT-SS-U-1002.
9. (4) 6"C CONCRETE ENCASED FOR PRIMARY SERVICE TIE-IN AT THE ADOBE CREEK SUBSTATION. COORDINATE ENTRY POINT WITH CPAU. REFERENCE CPAU STD. DWG #DT-SS-U-1003.
10. (3) 6"C CONCRETE ENCASED FOR FUTURE PRIMARY SERVICE TIE-IN AT 1036 EAST MEADOW CIRCLE.
11. FUTURE TRANSFORMER (BY OWNER).
12. (3) 6" CONCRETE ENCASED PRIMARY SERVICE CONDUIT.
13. (4) 6"C CONCRETE ENCASED FOR PRIMARY SERVICE TIE-IN. REFERENCE CPAU STD. DWG #DT-SS-U-1003.
14. (1) 6"C CONCRETE ENCASED FOR FUTURE PRIMARY SERVICE TIE-IN. COORDINATE CONDUIT STUB-UP LOCATION AT THE POLE WITH THE CITY'S UNDERGROUND INSPECTOR.
15. (1) 5"C WITH (3) #4 CU (MV-105 EPR/PV) + (1) #2 CU GND.
16. (1) 5"CO.
17. (10) SETS OF 4"C. - (4) #600 + #750KCMIL CU GND
18. (10) SETS OF 4"CO.
19. REFER TO SINGLE LINE DIAGRAM AND PANEL SCHEDULES FOR ADDITIONAL CONDUIT/CONDUCTOR INFORMATION.
20. (N) IN-GRADE ELECTRICAL PULL BOX, SIZE PER CEC.



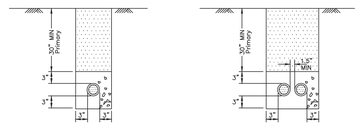
1 E001 **SITE PLAN POWER**
SCALE: 3/64" = 1'-0"

STEEL COVER REPLACEMENT PURPOSE ONLY — *PLAIN COVER*



TYPICAL BOX/CONDUIT INSTALLATION

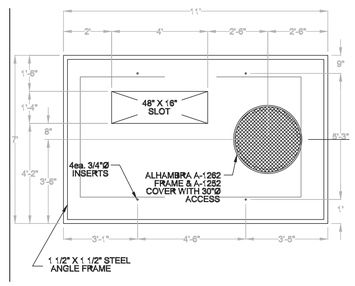
2 E001 **TYPICAL BOX/CONDUIT INSTALLATION**
(SEE DT-SS-U-1002 FOR ADDITIONAL REQUIREMENTS)
NOT TO SCALE



1-WAY DUCT BEAM — *2-WAY DUCT BEAM*

THE CONCRETE SHALL BE READY-MIXED, CLASS B PORTLAND CEMENT CONCRETE, CONTAINING 3 SACKS OF CEMENT PER CUBIC YARD AND ¾" AGGREGATE. THE CONCRETE SHALL BE COLORED RED BY THE ADDITION OF 5 POUNDS OF RED OXIDE PIGMENT PER CUBIC YARD OF CONCRETE MIX. COLOR WILL BE TO THE SATISFACTION OF THE ELECTRICAL UNDERGROUND INSPECTOR.

3 E001 **CONCRETE-ENCASED CONDUIT TRENCH DETAIL**
(SEE DT-SS-U-1003 FOR ADDITIONAL REQUIREMENTS)
NOT TO SCALE



4 E001 **SWITCH PAD DETAIL**
(SEE DT-SS-U-1026 FOR ADDITIONAL REQUIREMENTS)
NOT TO SCALE

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REGISTERED PROFESSIONAL ENGINEER — PETER C. GARCIA — No. E16812 — Exp. 8/2023 — ELECTRICAL — STATE OF CALIFORNIA

KEY PLAN

NO.	DESCRIPTION	DATE
2	PLANNING PC#2	02.17.23
1	PLANNING PC#1	07.15.22
	PLANNING PERMIT	04.14.22

CLIENT **GOOGLE INC.**

PROJECT **EM20**

ADDRESS 1020 E. MEADOW CIRCLE
PALO ALTO, CA 94303

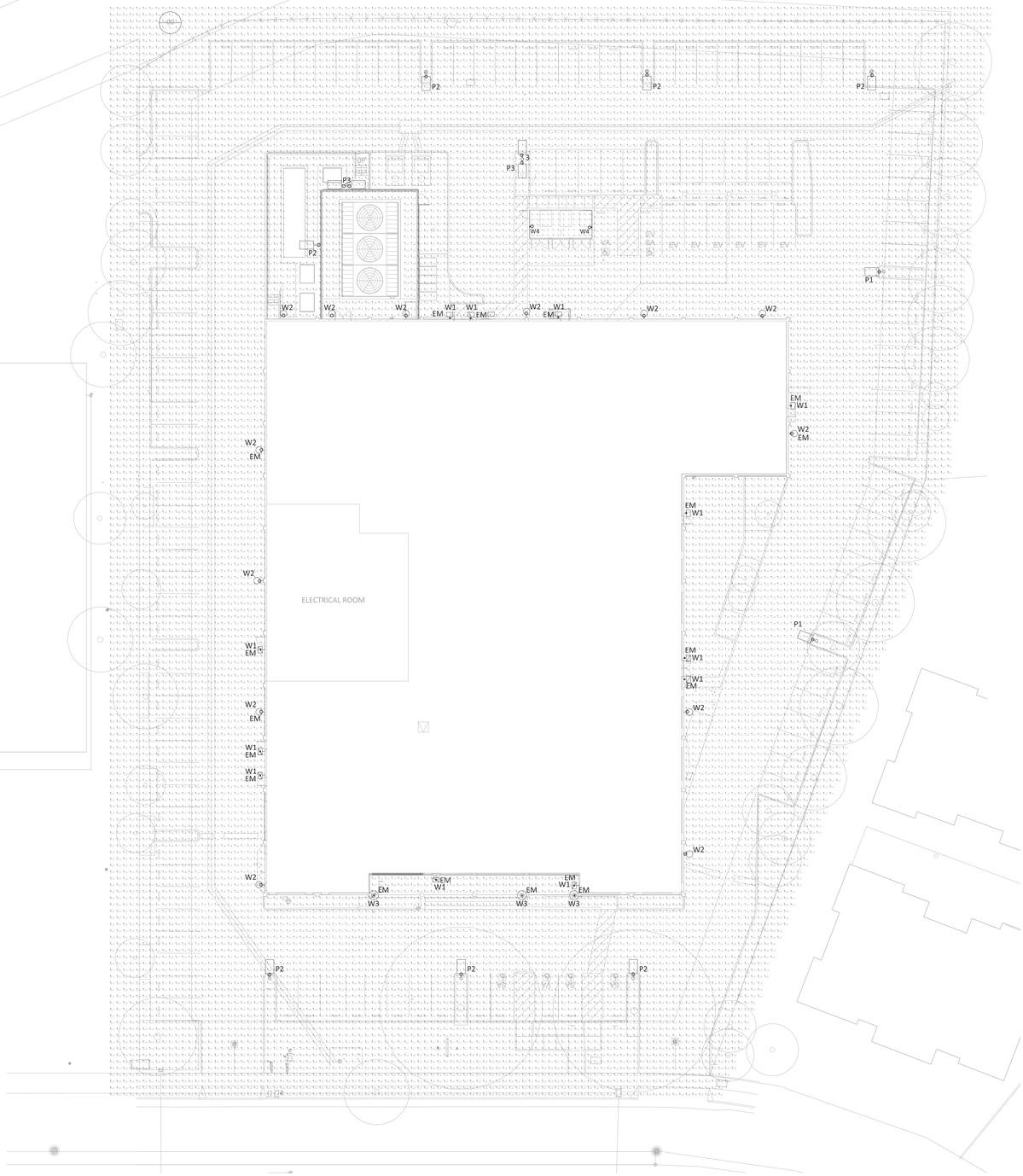
PROJECT NO. **22038**

SCALE AS SHOWN

TITLE

SITE PLAN POWER

E001



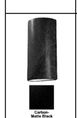
1 E101 **SITE PLAN PHOTOMETRICS**

SCALE: 1" = 20'-0"

Luminaire Schedule				
Symbol	Qty	Label	Description	BUG Rating
⊙	2	P1	COOPER LIGHTING POLE MOUNT WITH HOUSE SIDE SHIELD TT-D3-LED-E1-T4-HSS	B1-U1-G3
⊙	7	P2	COOPER LIGHTING POLE MOUNT WITH HOUSE SIDE SHIELD TT-D3-LED-E1-T4-HSS	B1-U1-G3
⊙	4	P3	COOPER LIGHTING POLE MOUNT WITH HOUSE SIDE SHIELD TT-D3-LED-E1-T4-HSS	B1-U1-G3
⊙	12	W1	WAC MOD WD-WS5607	B1-U1-G0
⊙	13	W2	COOPER LIGHTING WALL MOUNT-D3-830-U-DL	B2-U0-G3
⊙	3	W3	JUSTICE DESIGN GROUP SCONCE LED 200LUMENS	B1-U1-G0
□	2	W4	GARDCO: 111L-16L-550-NW-G2-3	B1-U0-G1

Calculation Summary			
Label	CalcType	Units	Avg
SITE LIGHTING	Illuminance	Fc	0.92
Trash Enclosure Workplane	Illuminance	Fc	8.27

EXTERIOR LIGHT FIXTURE SCHEDULE

IMAGE	LIGHT TYPE	DESCRIPTION	MANUFACTURER & PRODUCT #	FINISH	LIGHT SOURCE	POWER SUPPLY	SYSTEM WATTS	VOLTAGE	DIMMING PROTOCOL	MIN. DIM RANGE	LOCATION & NOTES
	P1	House side shield, 15' pole with arm mounted exterior LED area light and concrete base mount for pole	Cooper Lighting Solutions McGraw-Edison TT Top Tier Site LED Fixture: TT-D3-LED-E1-T4-PM-BK-TTHSS-BK Pole: ARX-[SHAFT]-[THICKNESS]-15-A-BK-MOUNT)-1-D, verified and coordinated by Structural Engineer	Black, houseside shield is Black	Integral LED Beam: Type 4 CCT: 2700°K CRI: 70 Lumens: 4,762 BUG: B2-U0-G3	Integral	48.8	277V	0-10V	20%	Exterior Site Mounting base is 2' high, for a total of 15'-2"
	P2	15' pole with arm mounted exterior LED area light and concrete base mount for pole	Cooper Lighting Solutions McGraw-Edison TT Top Tier Site LED Fixture: TT-D3-LED-E1-T4-PM-BK-TTHSS-BK Pole: ARX-[SHAFT]-[THICKNESS]-15-A-BK-MOUNT)-1-D, verified and coordinated by Structural Engineer	Black, houseside shield is Black	Integral LED Beam: Type 4 CCT: 2700°K CRI: 70 Lumens: 4,762 BUG: B2-U0-G3	Integral	48.8	277V	0-10V	20%	Exterior Site Mounting base is 2' high, for a total of 15'-2"
	P3	2-Head, 180° arm, 15' pole with arm mounted exterior LED area light with bi-level motion sensor, button photocell, and concrete base mount for pole	Cooper Lighting Solutions McGraw-Edison TT Top Tier Site LED Fixture: TT-D3-LED-E1-T4-PM-BK-TTHSS-BK Pole: ARX-[SHAFT]-[THICKNESS]-15-A-BK-MOUNT)-1-D, verified and coordinated by Structural Engineer	Black, houseside shield is Black	Integral LED Beam: Type 4 CCT: 2700°K CRI: 70 Lumens: 4,762 BUG: B2-U0-G3	Integral	98	277V	0-10V	20% Fixture	Exterior Site Mounting base is 2' high, for a total of 15'-2"
	W1	Exterior perimeter entry sconce, wall mounted exterior wet rated LED downlight, ADA compliant	WACdwLED Mod WS-W55607-3000K-16.5W-120-277 VAC-1165-850-BK	Black	Integral LED Beam: Type 4 CCT: 2700°K CRI: 80 Lumens: 1,165	Integral	16.5	120/277V	ELV/Reverse Phase	10%	Exterior Entries Fixture will be dimmable to set scenes and controlled by daylight and motion sensor
	W2	Exterior perimeter wall mounted LED area light with house side shield, fixture to replace existing perimeter building parking lot lighting	Cooper Lighting Solutions McGraw-Edison TT Top Tier Wall Mount LED Fixture: TT-D3-830-U-DL-WM - BK-PM-BK-TTHSS-BK	Black, houseside shield is Black	Integral LED Beam: Type 4 CCT: 2700°K CRI: 70 Lumens: 4,762 BUG: B2-U0-G3	Integral	48.8	277V	0-10V	20%	Exterior Perimeter of building Wall wire to be concealed and wired to new wall mount location, fixture support to be reinforced in wall. Fixture height to be as high as building allows. Fixture will be controlled by daylight and motion sensor with bi-level-levels as code requires. Submit alternates if desired control to be on 'Enlightened'.
	**W3**	Exterior wall mounted LED up/downlight	Justice Design Group CER-1165W-LED-2000-0-10V-CRB Finish-exterior:Carbon Matte Black Finish-internal: Matte White	Carbon Matte Black exterior, white interior	Integral LED CCT: 2700°K CRI: 70+ Lumens: -	Integral	24	120/277V	0-10V	5%	Front Entry Mounting per mfr.

SYMBOL	DESCRIPTION
⚲	LED EXTERIOR WALL SCONCE FIXTURE, 0-10V DIMMABLE, INSIDE TRASH ENCLOSURE GARDCO: 111L-16L-550-NW-G2-3, BUG RATING B1-U0-G1 28.8W LED

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408.487.1200

STAMP

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ACEE-EK22092.00 LIC-BOI30939

REGISTERED PROFESSIONAL ENGINEER PETER C. GARCIA No. E19721 Exp. 08/31/2023 ELECTRICAL STATE OF CALIFORNIA

KEY PLAN

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SCALE AS SHOWN

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SITE PLAN PHOTOMETRICS

E101

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