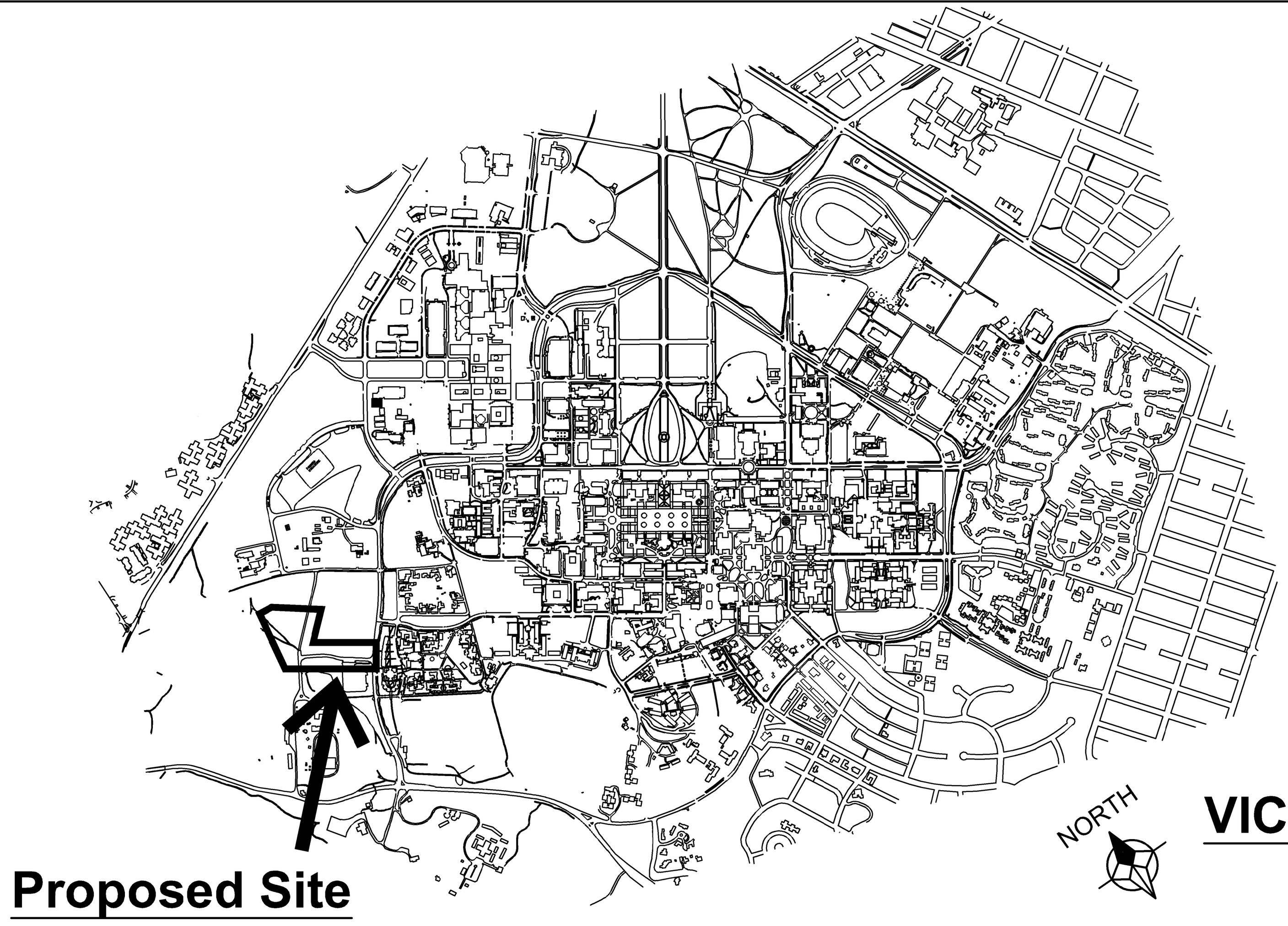
ASA SUBMITTAL SET

STANFORD UNIVERSITY
LBRE
PROJECT 5433

ELECTIONEER AND FREMONT ROAD | Stanford , California | Quad #14–770



Proposed Site

VICINITY MAP

DEFERRED SUBMITTALS

AUTOMATIC FIRE SPRINKLER/STANDPIPE SYSTEM
FIRE ALARM SYSTEM
EMERGENCY RESPONSE RADIO COVERAGE SYSTEM
PORTABLE FIRE EXTINGUISHERS
GLAZED ALUMINUM CURTAIN WALLS
FIRESTOPPING
METAL WALL PANELS
METAL STAIRS

DRAWING INDEX

GENERAL

G0.0	COVER SHEET
G0.1	PROJECT DIRECTORY/ VICINITY PLAN
G0.2	GUP INFORMATION MAP
G0.3	PERMITTING AND CONSTRUCTION SEQUENCING
G0.4	PERMITTING AND CONSTRUCTION SEQUENCING

DRAWING INDEX
CIVIL

C1.0	IMPERVIOUS AREAS EXHIBIT
C2.0	ASA SITE PLAN
C3.0	ASA GRADING PLAN
C4.0	ASA UTILITY PLAN
C5.0	ASA STORMWATER TREATMENT PLAN
C6.0	ASA DETAILS
C6.1	ASA DETAILS
C6.2	ASA DETAILS
C6.3	ASA DETAILS
C7.0	ASA CONSTRUCTION SITE & LOGISTICS PLAN
C8.0	ASA FIRE ACCESS PLAN
C9.0	ASA SIGNING AND STRIPING PLAN

LANDSCAPE

L1.1	TREE PROTECTION AND REMOVAL PLAN
L2.1	SITE MATERIALS & PLANTING PLAN - LBRE BUILDING AND CORPORATION YARD
L2.2	SITE MATERIALS & PLANTING PLAN - FREMONT & ELECTIONEER ROADS

ARCHITECTURAL

A0.2	EXISTING SITE PHOTOS - LBRE BUILDING
A0.3	EXISTING SITE PHOTOS - CORPORATION YARD
A1.0	SITE PLAN
A1.1	SITE PLAN WITH LIGHTING
A2.0	GUP SF PLANS
A2.1	PLAN, LEVEL 1 - LBRE BUILDING
A2.2	PLAN, LEVEL 2 - LBRE BUILDING
A2.3	PLAN, LEVEL 3 - LBRE BUILDING
A2.4	PLAN, ROOF - LBRE BUILDING
A2.5	PLAN, LEVEL 1 - CORPORATION YARD
A2.6	PLAN, ROOF - CORPORATION YARD
A3.1	ELEVATIONS - LBRE BUILDING
A3.2	ELEVATIONS - CORPORATION YARD

SITE DATA INFORMATION

GENERAL

APN:	142-06-001
PARCEL SIZE:	163.78 AC
DEVELOPMENT DISTRICT:	WEST CAMPUS(new)/ DAPER(demo)
LAND USE DESIGNATION:	ACADEMIC CAMPUS
SITE AREA:	4.80 AC
DEMOLITION AREA:	4.01 AC

PERCENTAGE OF SITE AREA:

BUILDING:	16%
PARKING/DRIVEWAYS:	0%
SIDEWALKS/STREETS:	52%
OUTSIDE STORAGE:	0%
LANDSCAPING:	32%
UNDEVELOPED:	0%
ESTIMATED CUT AND FILL:	
CUT:	3,505 CUBIC YARDS
FILL:	2,440 CUBIC YARDS

PROJECT DESCRIPTION

The proposed Land, Buildings & Real Estate (LBRE) Building to be located in the West Campus Development District would provide new facilities for existing LBRE functions currently located within the Bonair Siding buildings near Campus Drive and Serra Street. The project includes:

- Construction of a new 73,000 sf academic facility and outdoor corporation yard and support areas for LBRE employees in the West Campus Development District; and
- Demolition of existing LBRE facilities (Bonair Siding) in the DAPER/Administrative Development District after staff, support materials, and equipment have been relocated to the new building.

For more details see full project description submitted separately.

PROJECT MANAGER

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P24785 - STANFORD LBRE

Drawing Title
COVER SHEET

Revisions
09/30/2020 ASA RESUBMITTAL
12/11/2020 ASA RESUBMITTAL

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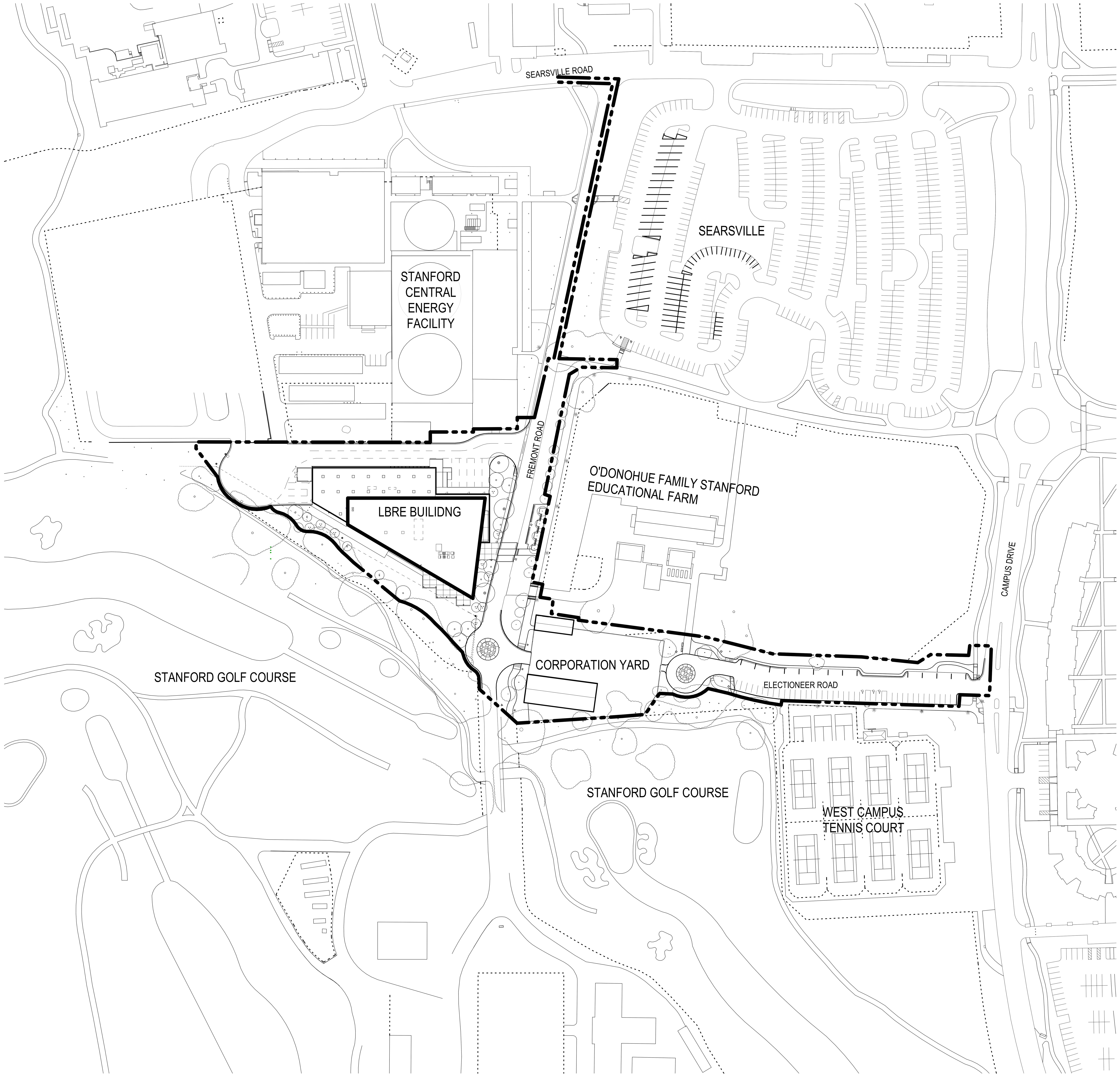

1 G0.1 **VICINITY PLAN**
1" = 80'-0"

3/4/2020 3:31:48 PM

PROJECT DIRECTORY

OWNER	STANFORD UNIVERSITY LAND, BUILDINGS & REAL ESTATE 415 BROADWAY, 3RD FLOOR REDWOOD CITY, CA 94063 650-725-0569

LBRE BUILDING & CORPORATION YARD:

ARCHITECT	ZIMMER GUNSUL FRASCA ARCHITECTS LLP 1223 WASHINGTON STREET, SUITE 200 PORTLAND, OR 97205 503-224-3860
STRUCTURAL ENGINEER	FORELL/ELSESSER ENGINEERS 160 PINE STREET, 6TH FLOOR SAN FRANCISCO, CA 94111 415-837-0700
CIVIL ENGINEER	BKF ENGINEERS 1730 N. FIRST STREET, SUITE 600 SAN JOSE, CA 95112 408-467-9100
MECHANICAL ENGINEER	AGC, INCORPORATED 745-B CAMDEN AVENUE CAMPBELL, CA 95008 408-369-6305
PLUMBING ENGINEER	AGC, INCORPORATED 745-B CAMDEN AVENUE CAMPBELL, CA 95008 408-369-6305
ELECTRICAL ENGINEER	PALMER ELECTRIC, INC. 801-C AMERICAN STREET SAN CARLOS, CA 94070 650-592-7171
LANDSCAPE ARCHITECT	ZIMMER GUNSUL FRASCA ARCHITECTS LLP 1223 WASHINGTON STREET, SUITE 200 PORTLAND, OR 97205 503-224-3860
CONTRACTOR	WHITING TURNER CONTRACTING CO. 4690 CHABOT DRIVE, SUITE 120 PLEASANTON, CA 94588 925-485-0800

FREMONT & ELECTIONEER:

LANDSCAPE ARCHITECT	SEBASTIAN & ASSOCIATES 305 NORTH COAST HIGHWAY 'T' LAGUNA BEACH, CA 92651 949-466-8523
CIVIL ENGINEER	BKF ENGINEERS 1730 N. FIRST STREET, SUITE 600 SAN JOSE, CA 95112 408-467-9100

NORTH

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PROJECT DIRECTORY / VICINITY PLAN

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09/30/2020	ASA RESUBMITTAL
12/11/2020	ASA RESUBMITTAL

Date:	02/21/2020
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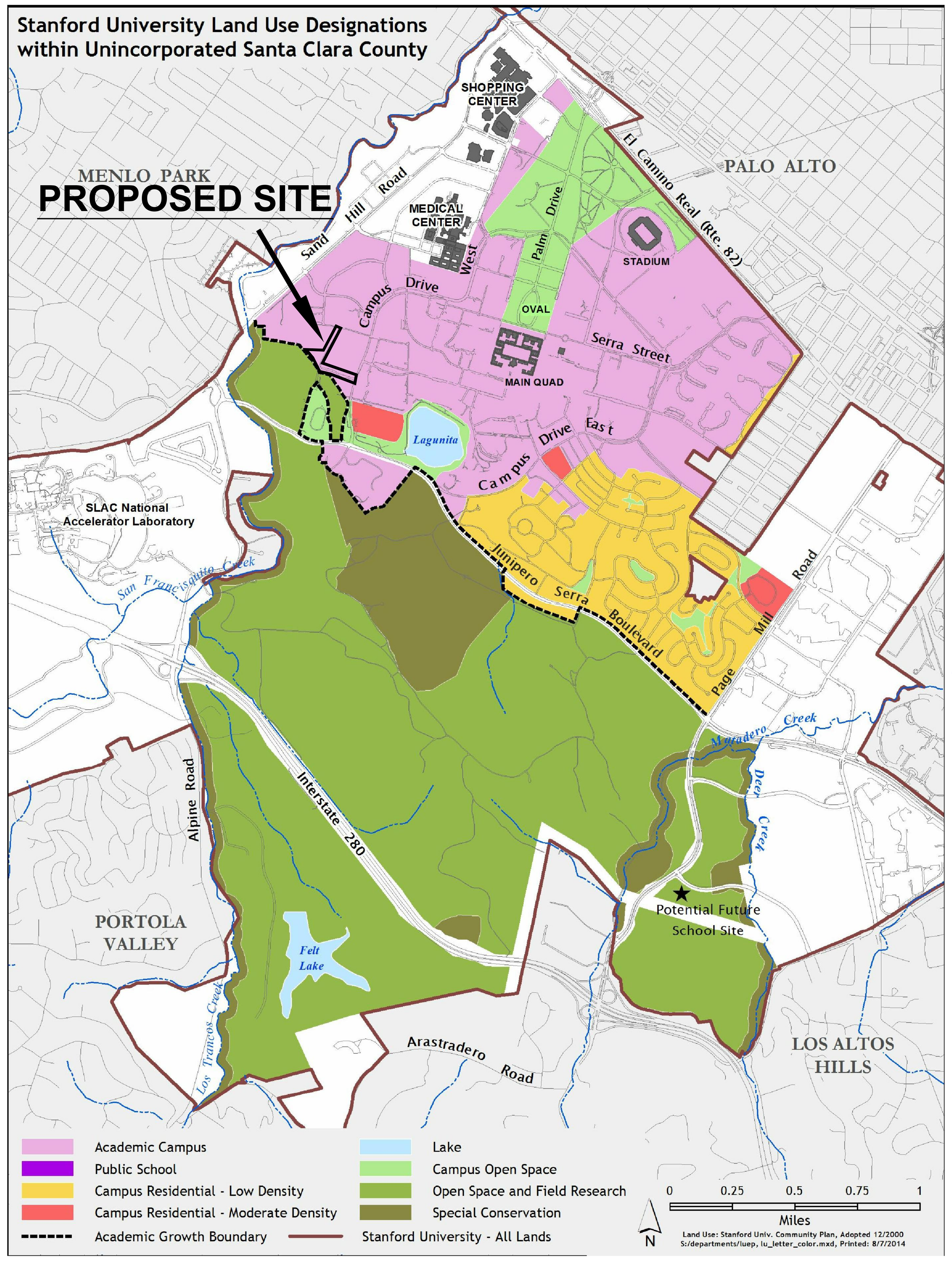

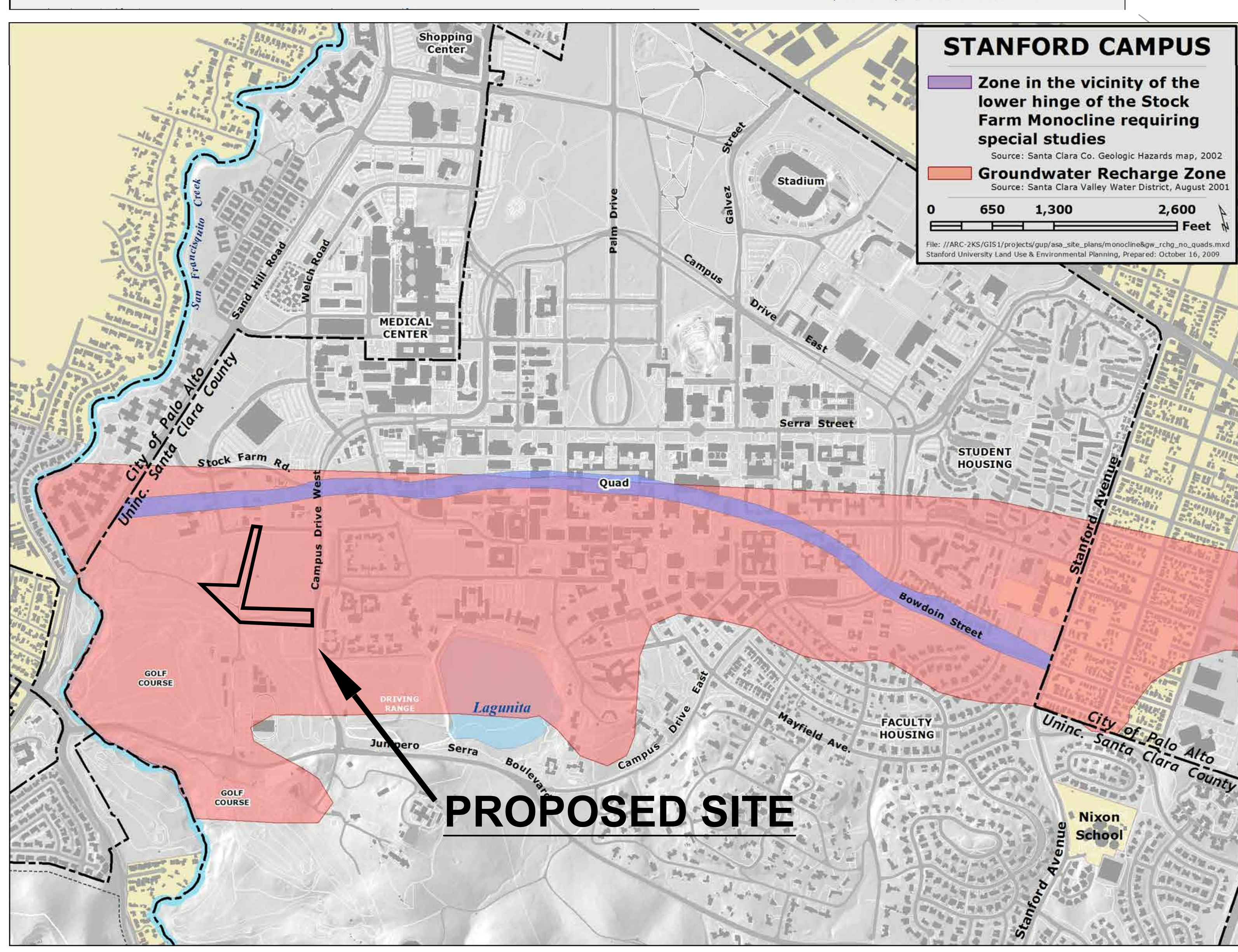

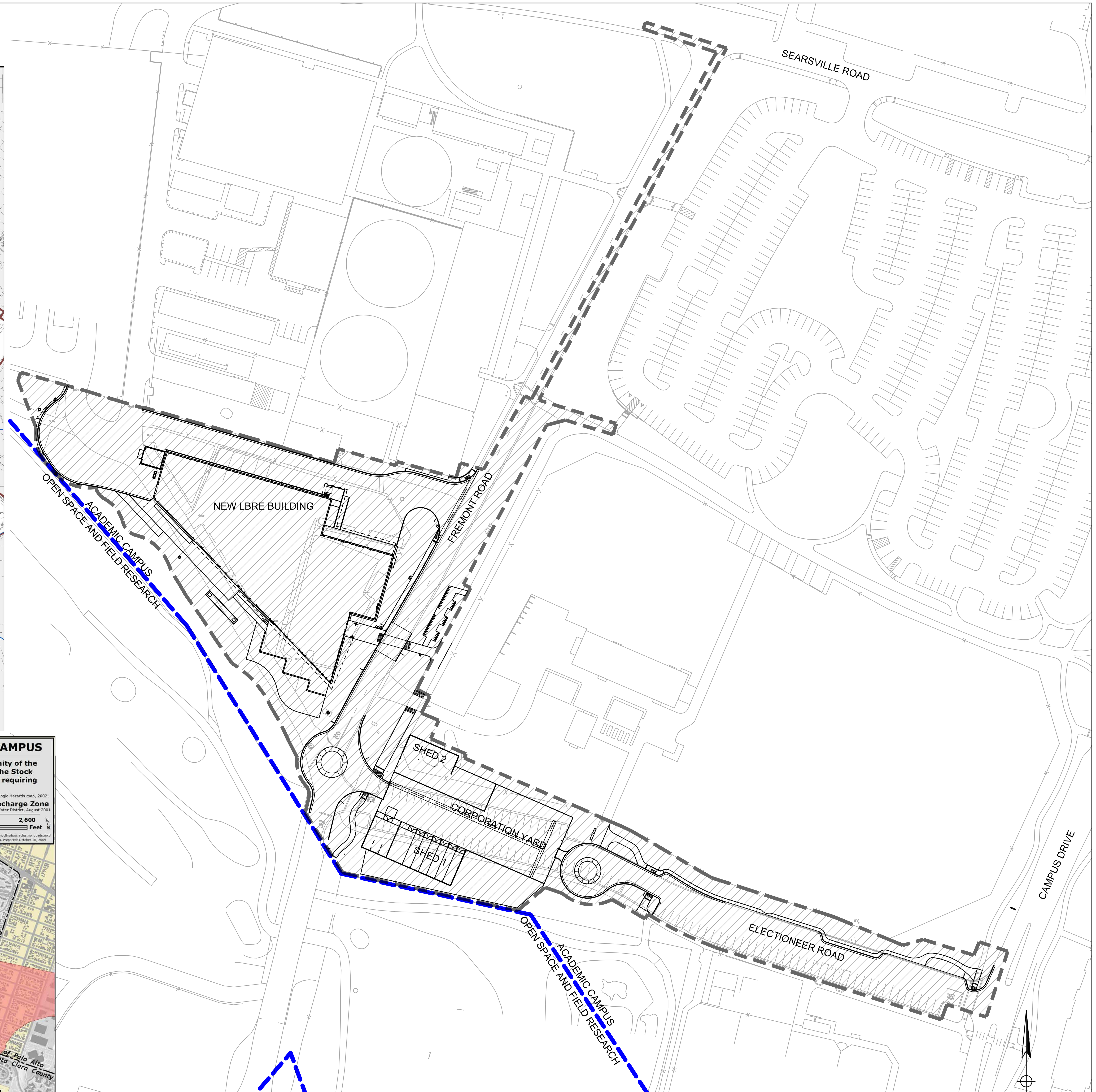

LAND USE DESIGNATIONS

- ACADEMIC GROWTH BOUNDARY
- PROJECT LIMIT OF WORK

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

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GUP INFORMATION MAP

Revisions

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Date:	09/15/2020
Job No:	P24785
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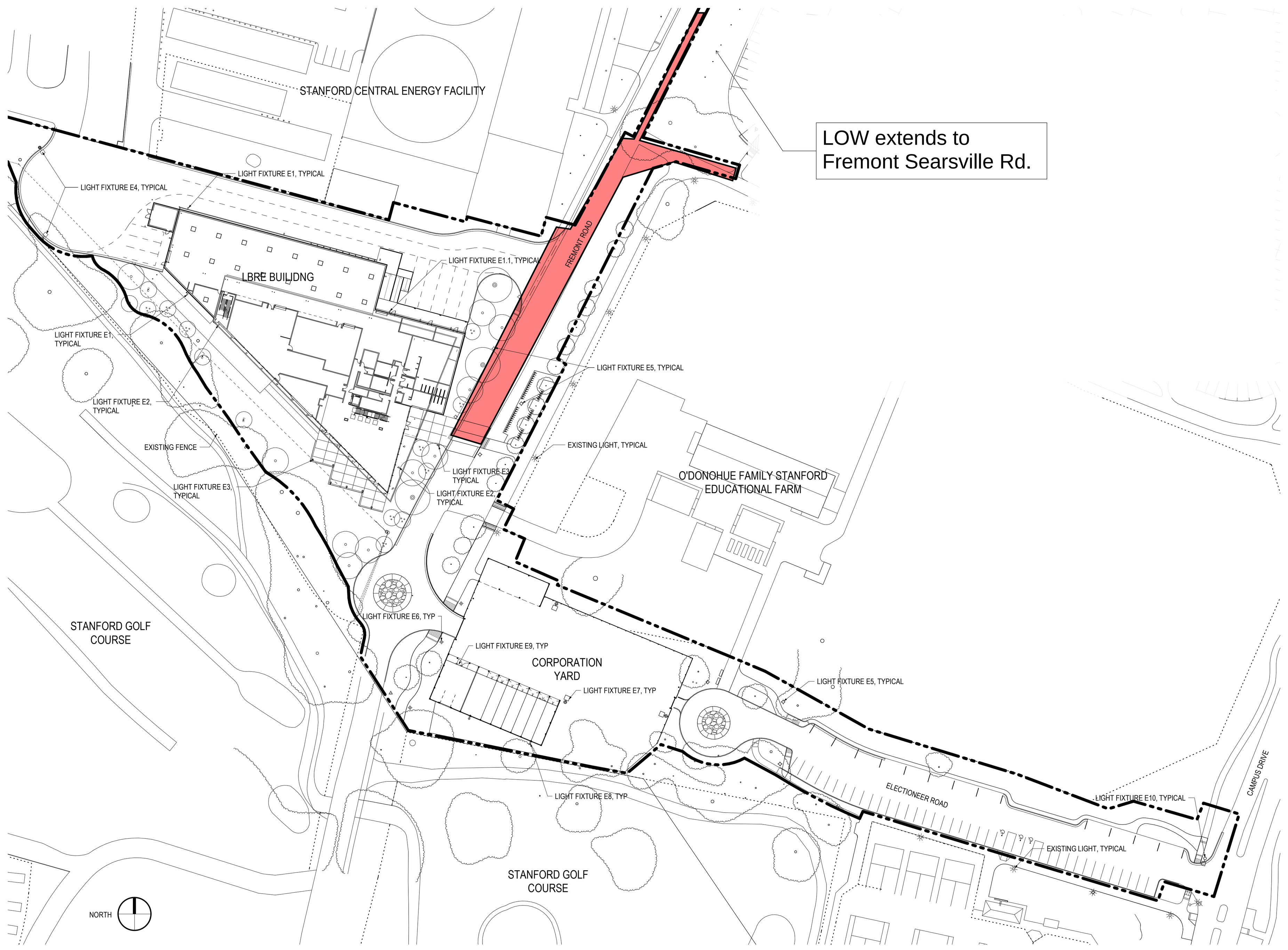
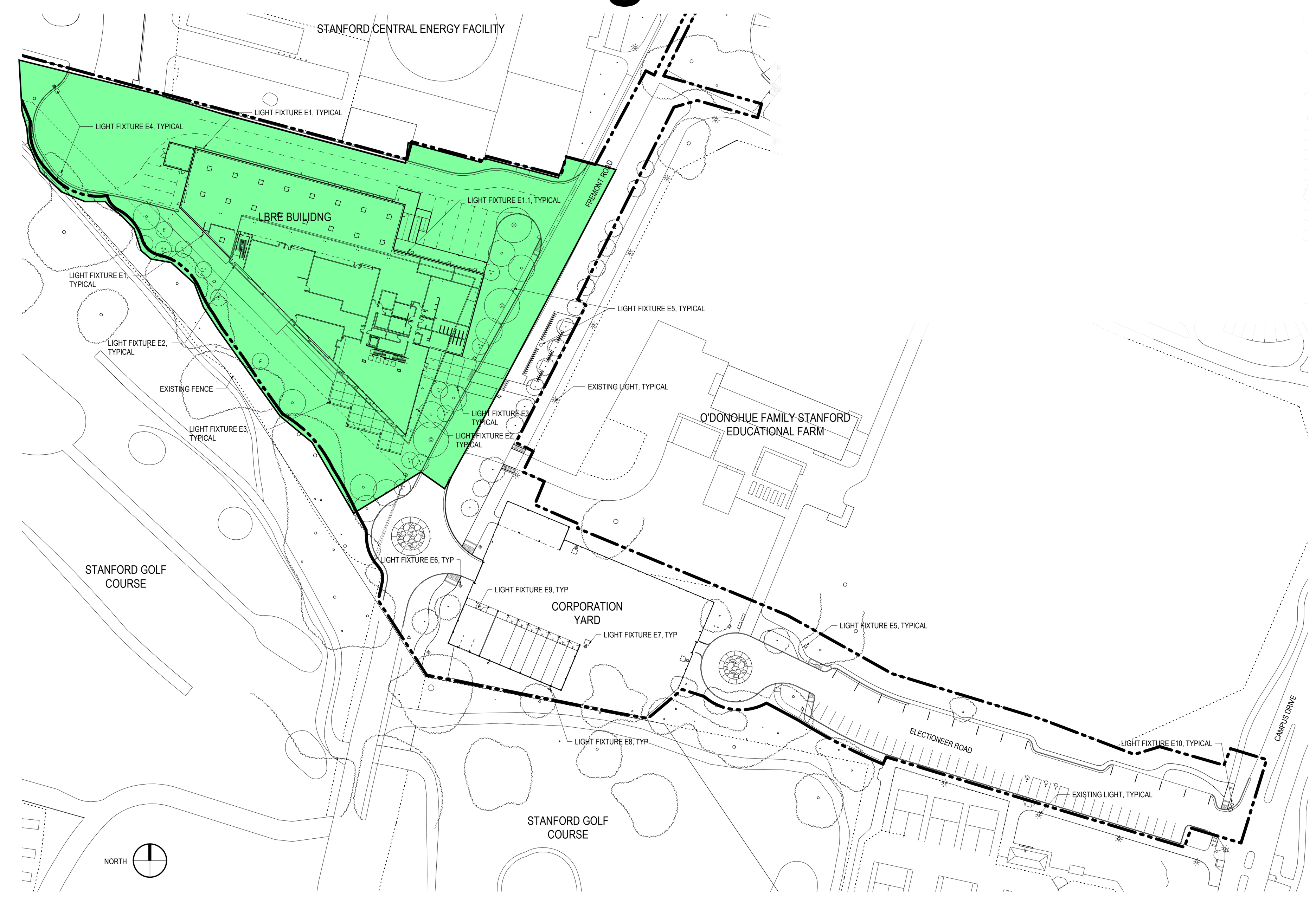
Permit Package 1 - Fremont Utilities



Permit Package 1: Underground utilities Fremont Road (Can be independent of ASA approval) (Estimated duration: 3 months)

Permit Package 2 - LBRE Bldg. Utilities & Grading

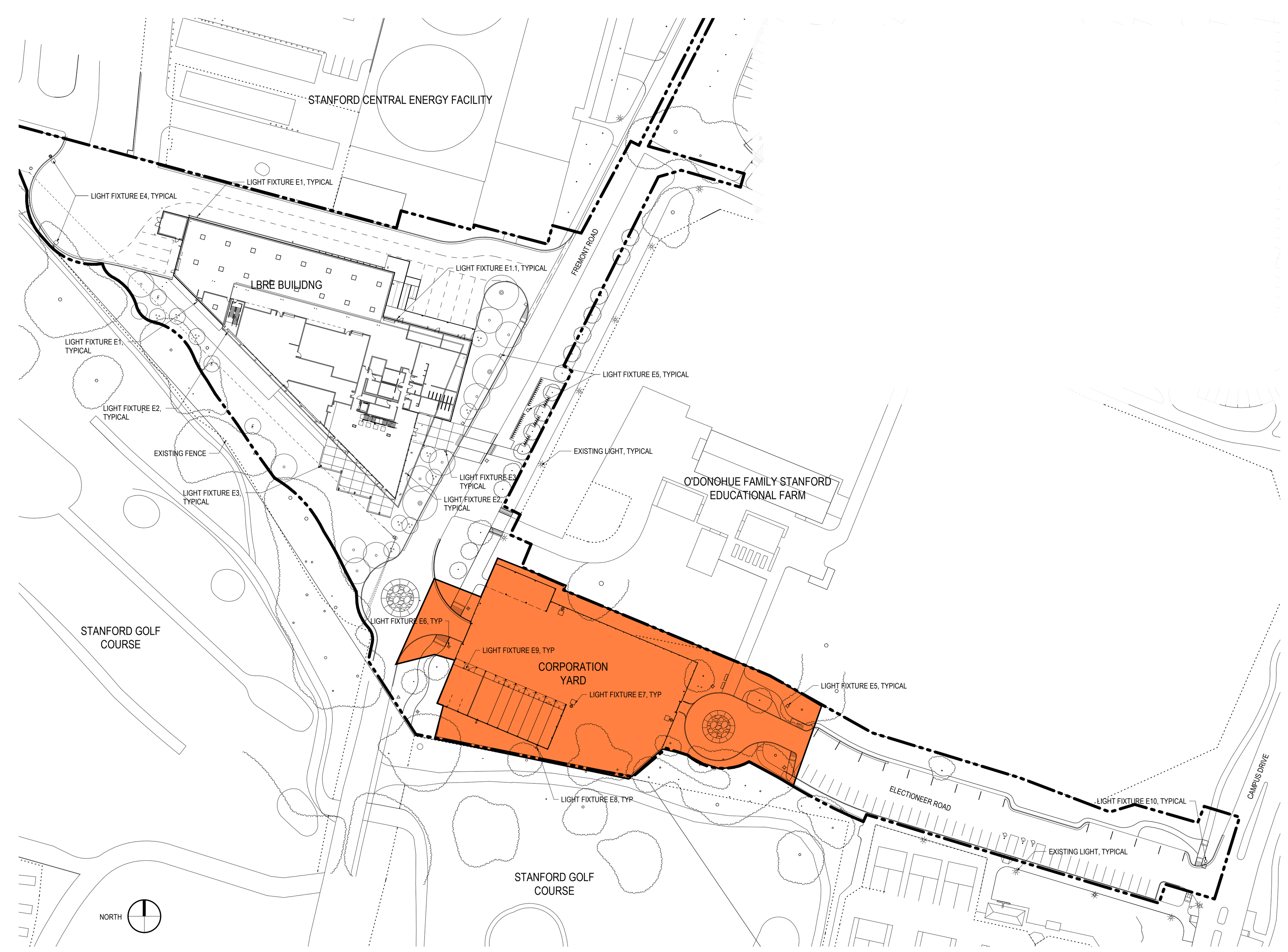


Permit Package 2A: Underground utilities LBRE - building site
Permit Package 2B: Grading LBRE - building site

Permit Package 3 - Main LBRE Bldg.

Permit Package 3: Building Permit - Main LBRE Building

Permit Package 4 - Corporation Yard



Permit Package 4: LBRE Corporation Yard: Grading, Utilities, structures (full package)

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Permitting and Construction Sequencing

Revisions

09/30/2020	ASA RESUBMITTAL
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Date:	02/19/2020
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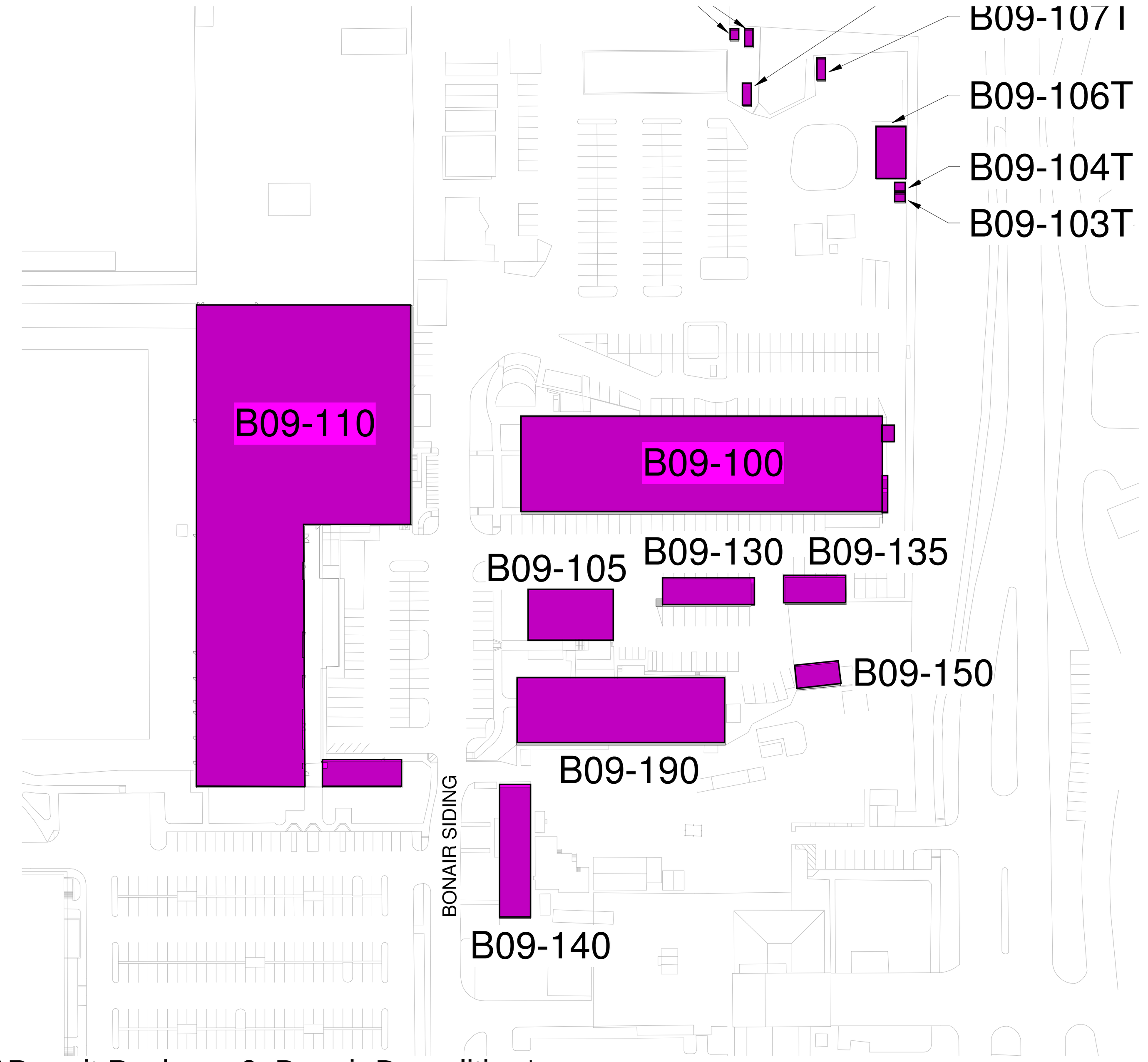
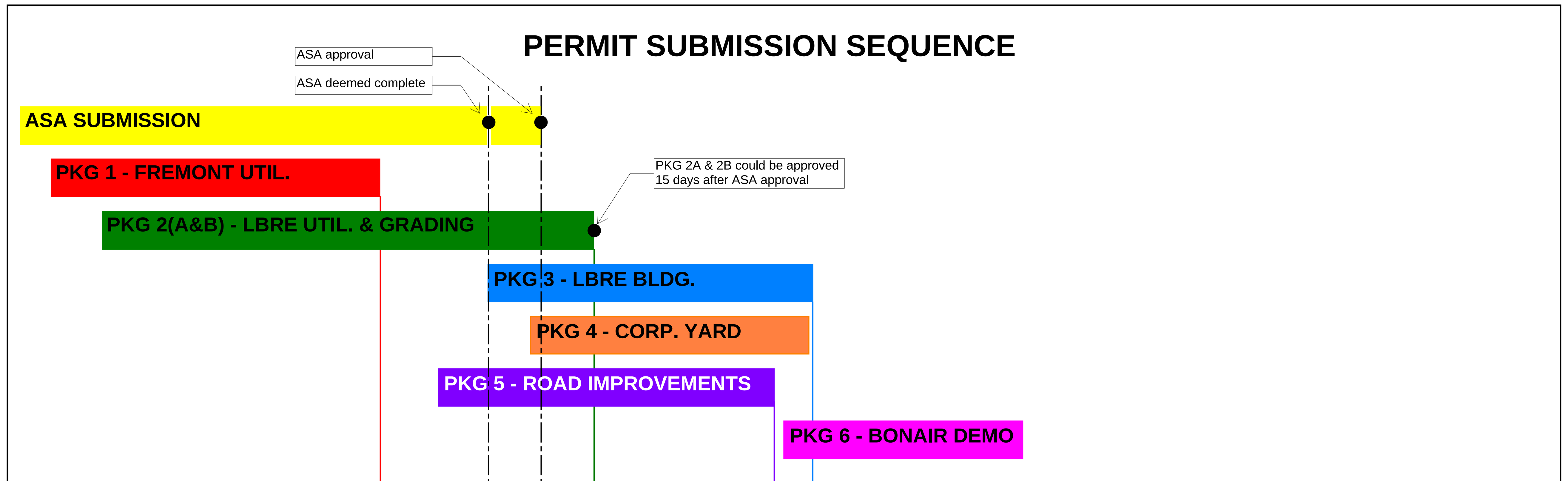
Permit Package 5 - Road Improvements

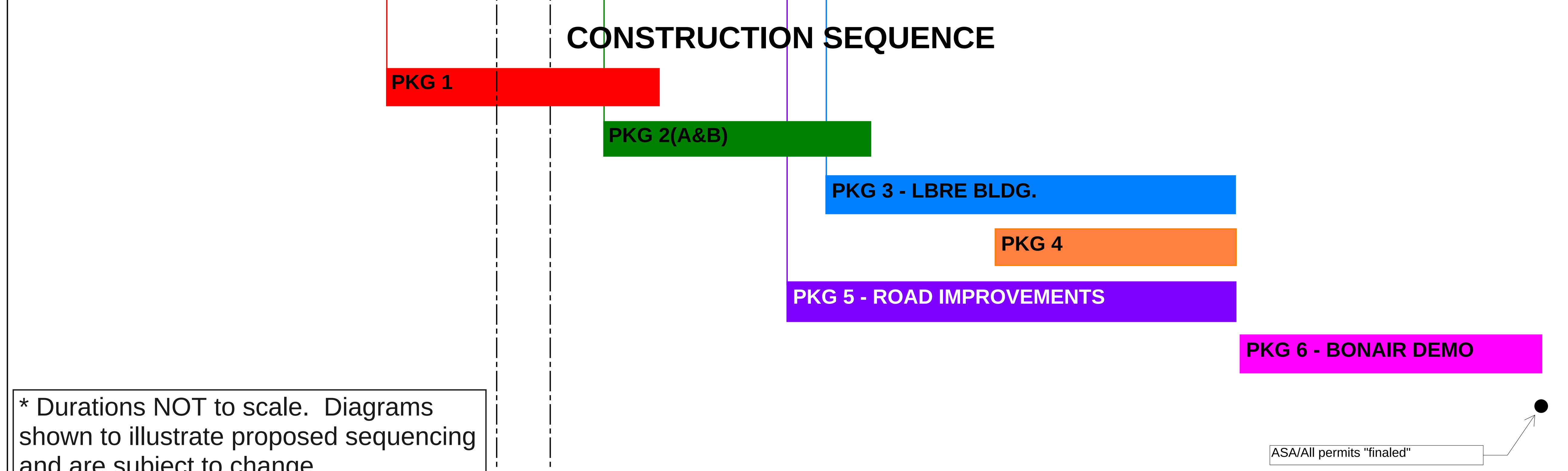
Permit Package 5: Road Improvements Permit - Fremont Road and Electioneer Road (grading, landscaping, etc.)*
* Road improvement construction may be phased in with LBRE Building and Corporation Yard construction when appropriate.

Permit Package 6 - Bonair Siding Demotion



Permit Package 6: Bonair Demolition*
*Bonair demo package can not be executed until all other permit packages (1-6) have been completed.





* Durations NOT to scale. Diagrams shown to illustrate proposed sequencing and are subject to change.

Sequencing Narrative

- ***Permit Package 1 – Fremont Road utilities (UP)***
  - Package submitted 9/10/2020
  - Review will be independent to and concurrent with ASA
- **Permit Package 2 (2A & 2B) – Utilities & Grading within LBRE Building Footprint (UP, GP)**
  - 2A: Underground utilities – LBRE Building site
  - 2B: Grading – LBRE Building site
  - Permits to be reviewed in parallel to ASA review
  - Permit issuance dependent on ASA approval
- ***Permit Package 3 – Main LBRE Building Permit (BP)***
  - Building permit can be submitted after ASA is "deemed complete"
- ***Permit Package 4 – Corporation Yard Permit (BP, GP, UP)***
  - Permit to include utilities, grading, and buildings
  - Permit to be submitted for review concurrent with Permit Package 3
  - Either Fremont Rd. or Electioneer Rd. must be open at all times to facilitate fire and delivery access to the equestrian facility.
- ***Permit Package 5 – Road Improvement (GP, UP)***
  - Permit to include grading and utility work
  - Permit package to be submitted in parallel with Packages 3 & 4
  - Construction to be phased within Package 3 & 4 so work can be spaced appropriate to provide neighborhood fire, vehicular, bike and pedestrian access at all times
- ***Permit Package 6 – Bonair Demolition (DP)***
  - Permit to be submitted during construction of main building (package 3) and corporation yard (package 4)
  - Demolition may begin after people and functions are relocated from Bonair to the new LBRE building and corporation yard.
- ***General Notes***
  - Phasing to allow for appropriate neighborhood fire, vehicular, bike and pedestrian access at all times.

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Permitting and Construction Sequencing

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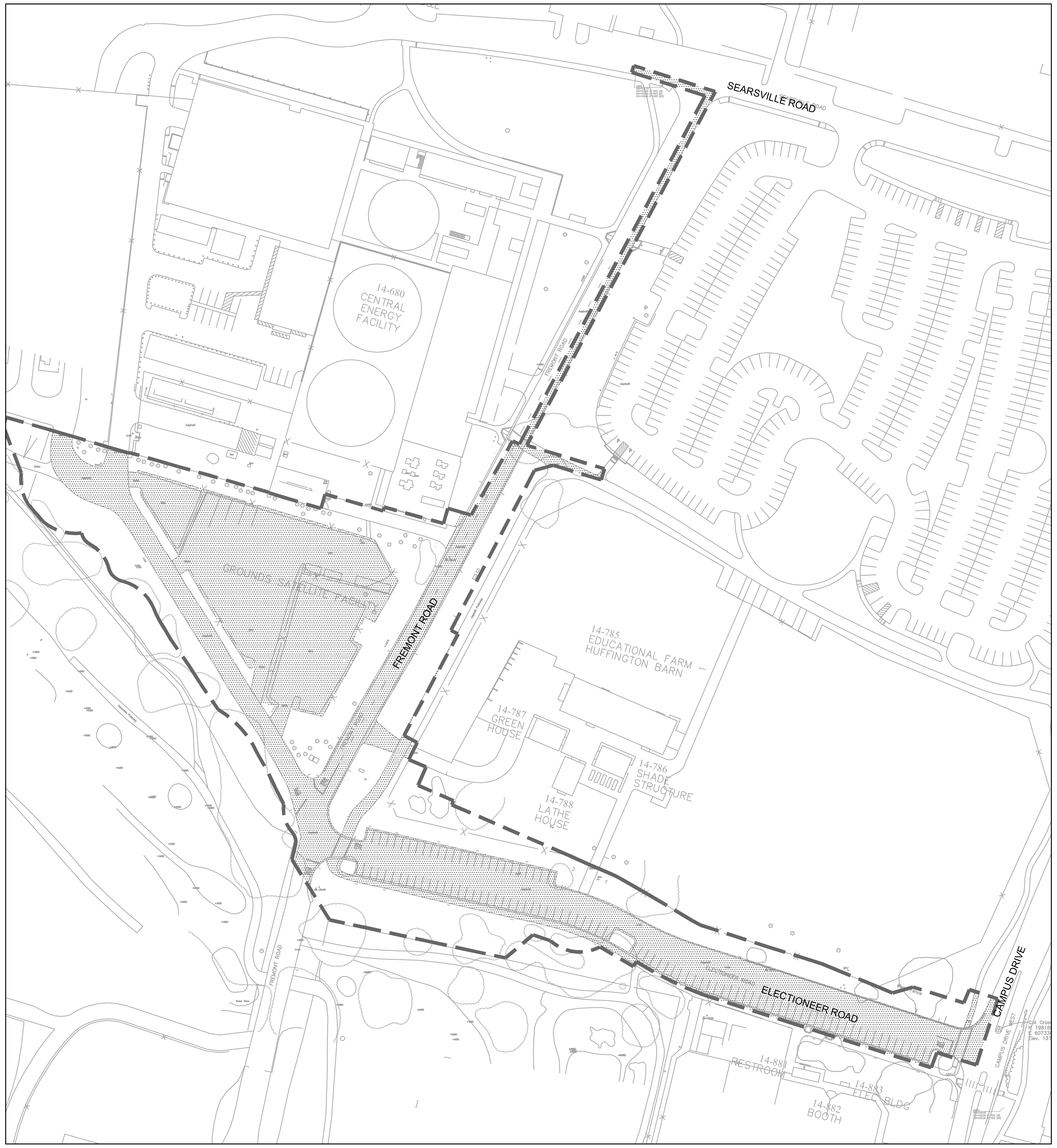
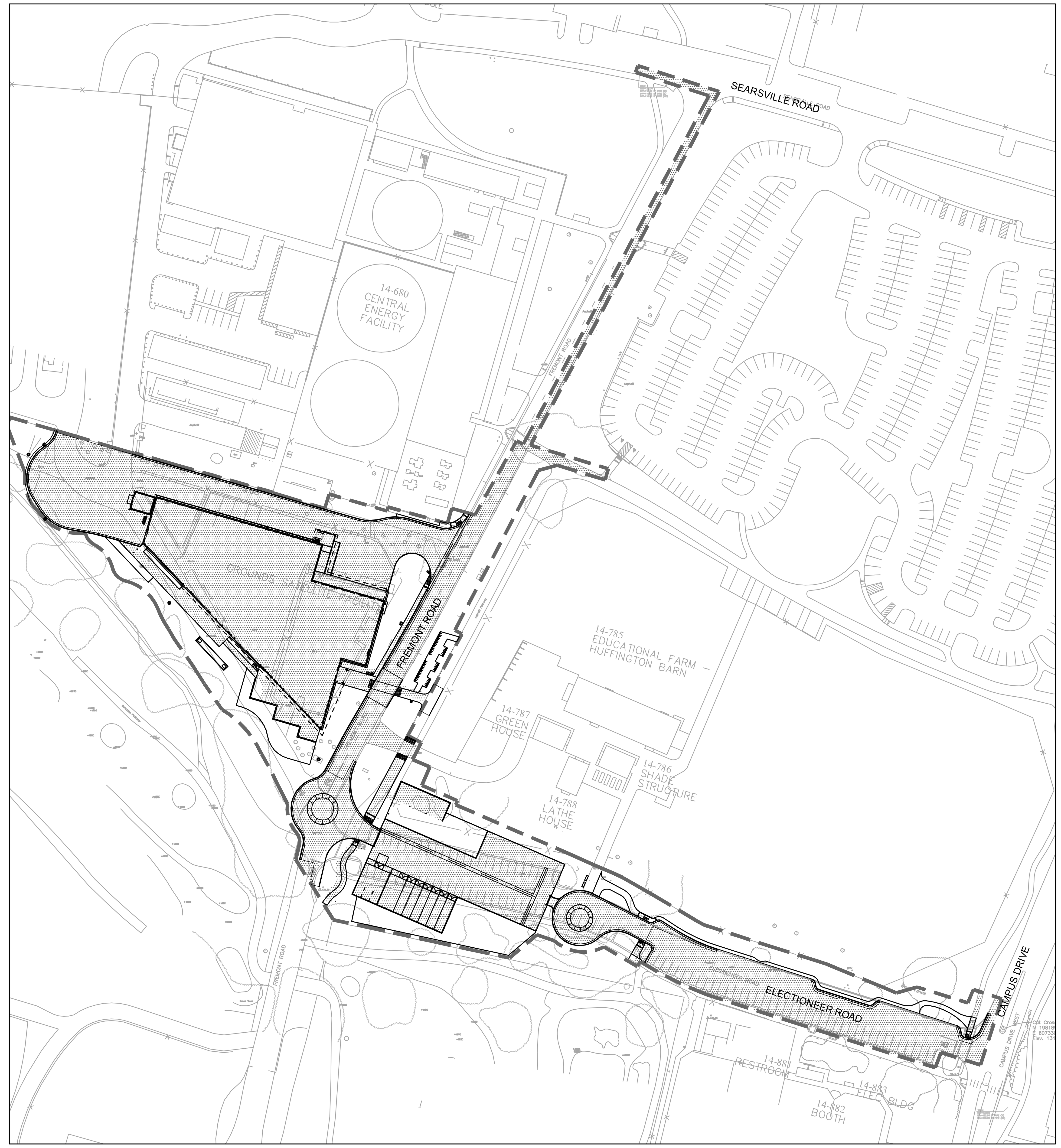


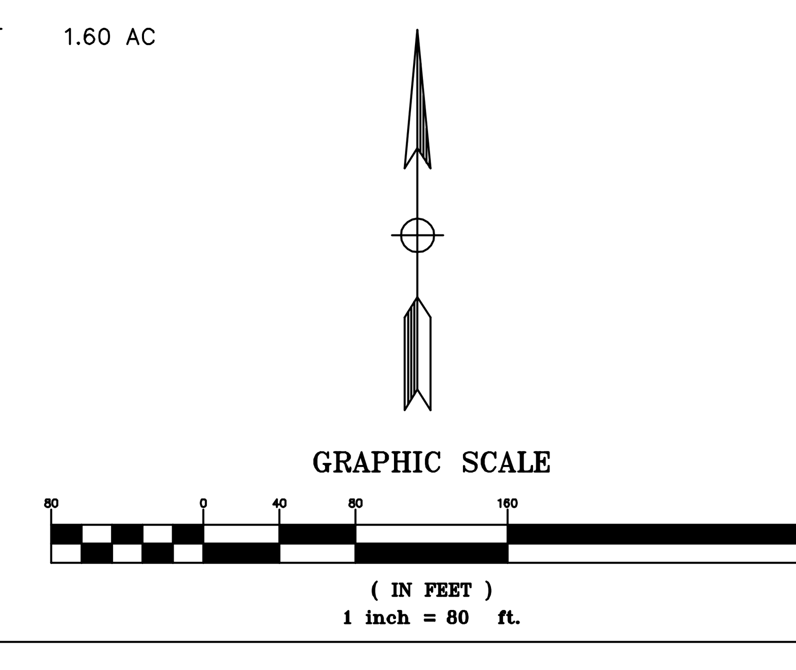
EXISTING CONDITIONS

(shaded)	IMPERVIOUS AREA	117,898 SF	2.71 AC
(blank)	PERVIOUS AREA	91,014 SF	2.09 AC



PROPOSED CONDITIONS

(shaded)	IMPERVIOUS AREA	139,370 SF	3.20 AC
(blank)	PERVIOUS AREA	69,542 SF	1.60 AC



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Drawing Title

IMPERVIOUS AREAS EXHIBIT

Revisions

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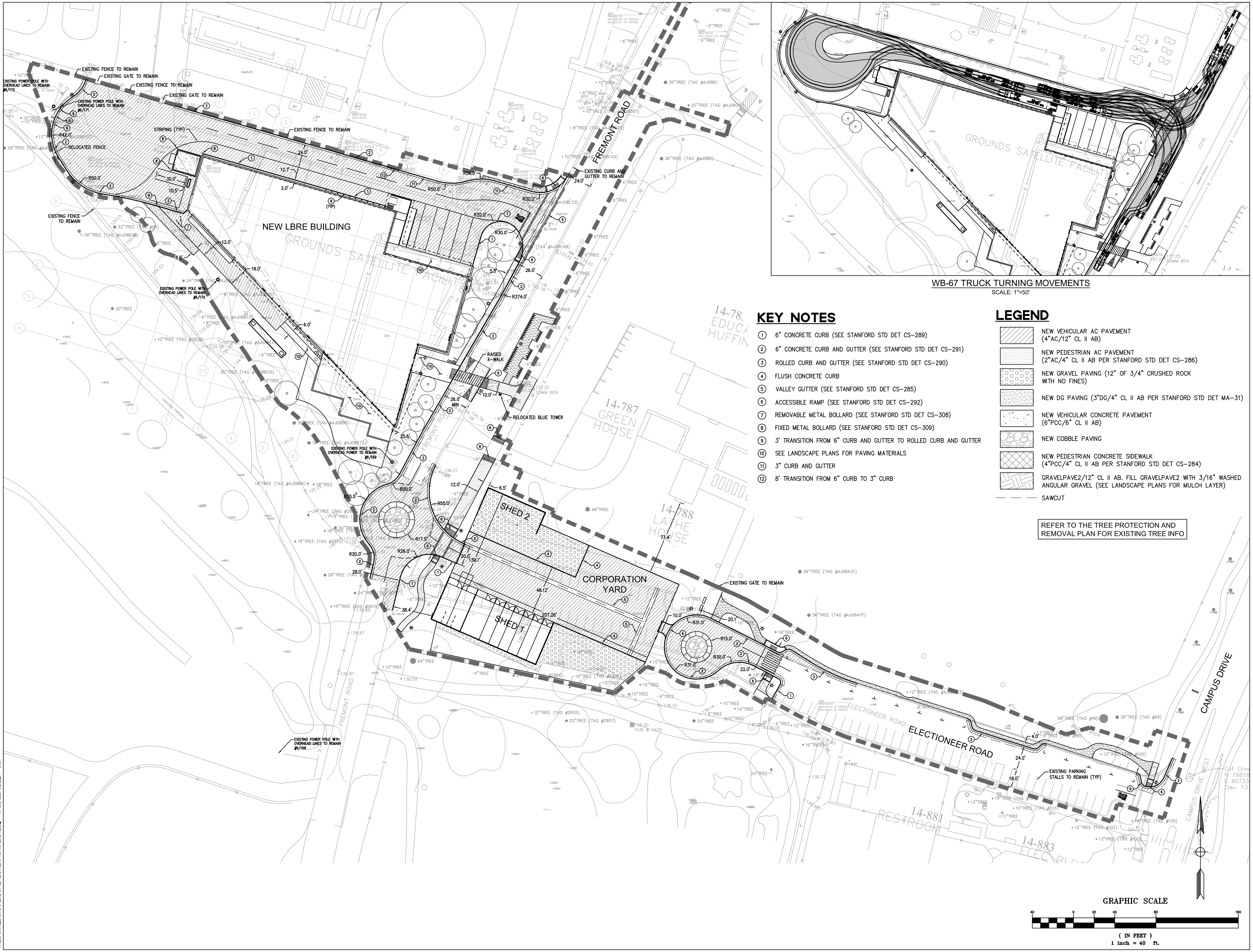

WB-67 TRUCK TURNING MOVEMENTS

SCALE: 1"=50'

KEY NOTES

1. 6" CONCRETE CURB (SEE STANFORD STD DET CS-289)
2. 6" CONCRETE CURB AND GUTTER (SEE STANFORD STD DET CS-291)
3. ROLLED CURB AND GUTTER (SEE STANFORD STD DET CS-290)
4. FLUSH CONCRETE CURB
5. VALLEY GUTTER (SEE STANFORD STD DET CS-285)
6. ACCESSIBLE RAMP (SEE STANFORD STD DET CS-292)
7. REMOVABLE METAL BOLLARD (SEE STANFORD STD DET CS-308)
8. FIXED METAL BOLLARD (SEE STANFORD STD DET CS-309)
9. 3' TRANSITION FROM 6" CURB AND GUTTER TO ROLLED CURB AND GUTTER
10. SEE LANDSCAPE PLANS FOR PAVING MATERIALS
11. 3" CURB AND GUTTER
12. 8' TRANSITION FROM 6" CURB TO 3" CURB

LEGEND

- NEW VEHICULAR AC PAVEMENT (4"AC/12" CL II AB)
- NEW PEDESTRIAN AC PAVEMENT (2"AC/4" CL II AB PER STANFORD STD DET CS-286)
- NEW GRAVEL PAVING (12" OF 3/4" CRUSHED ROCK WITH NO FINES)
- NEW DG PAVING (3"DG/4" CL II AB PER STANFORD STD DET MA-31)
- NEW VEHICULAR CONCRETE PAVEMENT (6"PCC/6" CL II AB)
- NEW COBBLE PAVING
- NEW PEDESTRIAN CONCRETE SIDEWALK (4"PCC/4" CL II AB PER STANFORD STD DET CS-284)
- GRAVELPAVE2/12" CL II AB. FILL GRAVELPAVE2 WITH 3/16" WASHED ANGULAR GRAVEL (SEE LANDSCAPE PLANS FOR MULCH LAYER)
- SAWCUT

REFER TO THE TREE PROTECTION AND REMOVAL PLAN FOR EXISTING TREE INFO

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ASA SITE PLAN

Revisions

12/11/2020 ASA RESUBMITTAL

Date:	09/15/2020
Job No:	P24785
Drawn By:	CU
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Drawing No.

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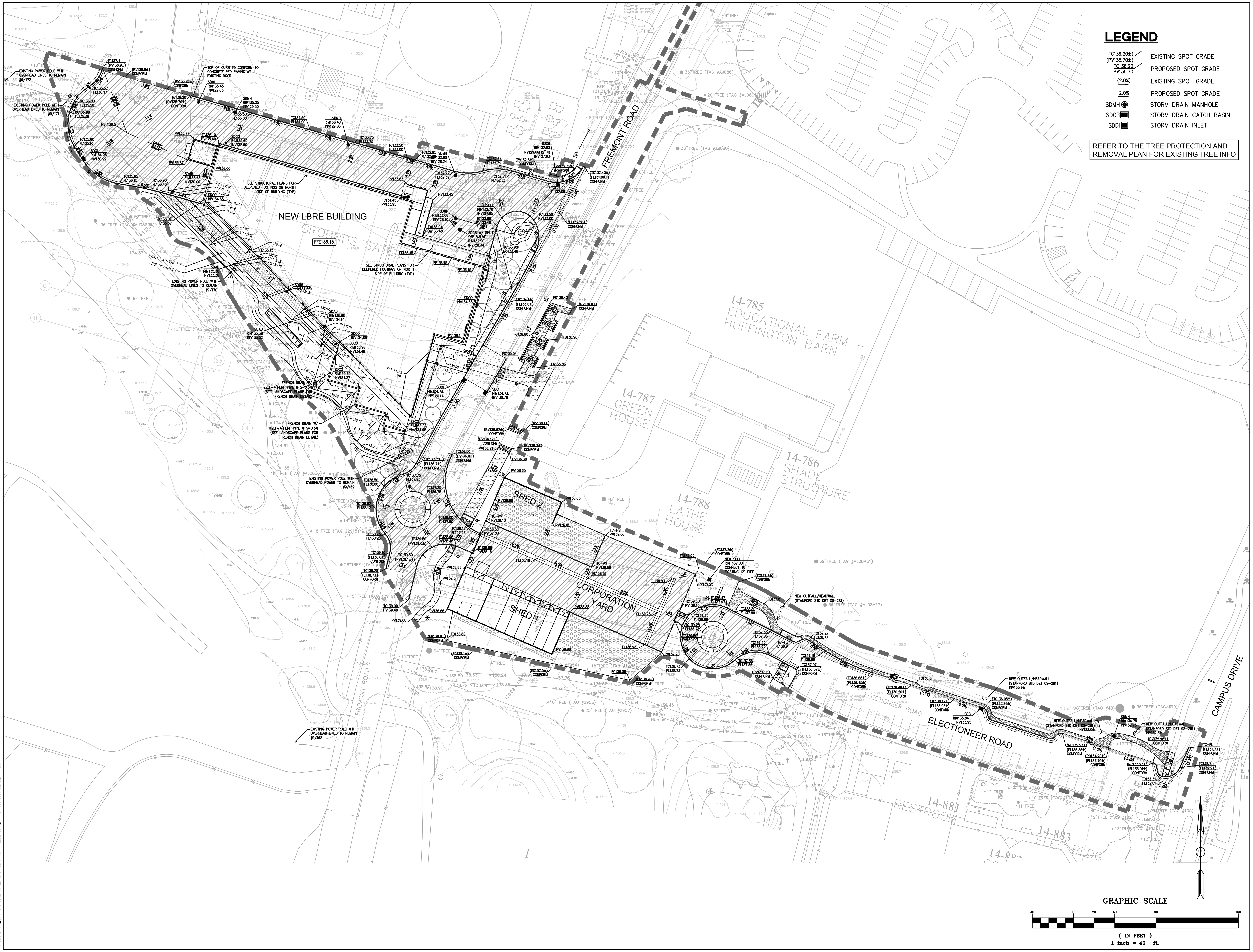

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Drawing Title

ASA GRADING PLAN

Revisions

12/11/2020 ASA RESUBMITTAL

Date:	09/15/2020
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Drawn By:	CU
Checked By:	DP

Drawing No.

C3.0

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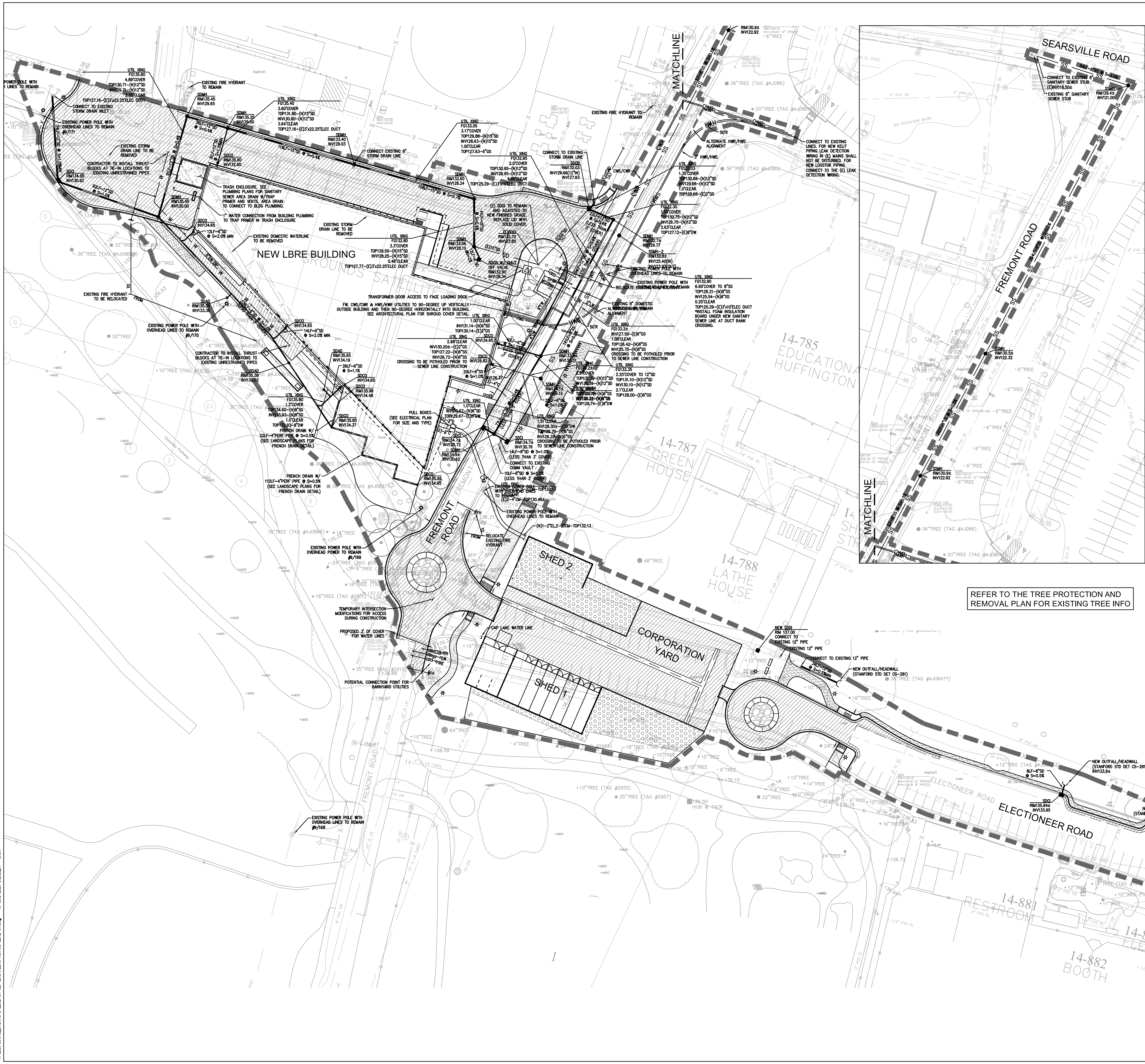

LEGEND

	STORM DRAIN LINE
SS	SANITARY SEWER LINE
W	DOMESTIC WATER LINE
FW	FIRE WATER LINE
LW	LAKE WATER LINE
E	ELECTRIC LINE
CM	COMMUNICATIONS LINE
HWS	HOT WATER SUPPLY LINE
HWR	HOT WATER RETURN LINE
CWS	CHILLED WATER SUPPLY LINE
CWR	CHILLED WATER RETURN LINE
SDMH	STORM DRAIN MANHOLE (SEE STANFORD STD DET CS-201)
SDCI	STORM DRAIN CURB INLET (SEE STANFORD STD DET CS-263)
SDCB	STORM DRAIN CATCH BASIN (SEE STANFORD STD DET CS-261)
SDAD	STORM DRAIN AREA DRAIN
SSCO	SANITARY SEWER CLEANOUT (SEE STANFORD STD DET CS-212)
SSMH	SANITARY SEWER MANHOLE (SEE STANFORD STD DET CS-201)
FDC	FIRE DEPARTMENT CONNECTION (SEE STANFORD STD DET CS-134)
FH	FIRE HYDRANT (SEE STANFORD STD DET CS-171)
WV	WATER VALVE (SEE STANFORD STD CS-102)
BFP	DOMESTIC BACKFLOW PREVENTER (SEE STANFORD STD DET CS-133)
BFP	FIRE BACKFLOW PREVENTER (SEE STANFORD STD DET CS-134)
FILTER	IRRIGATION FILTER (SEE STANFORD STD DET IR-03 & IR-04)
WM	WATER METER (SEE STANFORD STD DET CS-123)
	TRANSFORMER
CM	COMM VAULT

NOTES

1. ALL HV CONDUIT TO BE ENCASED IN RED CONCRETE PER FDG.
2. PER THE GEOTECHNICAL REPORT, THE SOILS AT THE SITE ARE GENERALLY CONSIDERED TO BE "CORROSIVE" TO DUCTILE/CAST IRON, STEEL AND DIELECTRIC COATED STEEL. DOMESTIC, FIRE AND CHILLED WATER PRESSURE PIPING SHALL BE PROVIDED WITH APPROPRIATE COATING SYSTEMS, CATHODIC PROTECTION, AND SHALL BE ELECTRICALLY ISOLATED FROM ABOVE GRADE STRUCTURES, REINFORCED CONCRETE STRUCTURES AND COPPER LINES IN ORDER TO AVOID POTENTIAL GALVANIC CORROSION PROBLEMS.
3. STORM DRAIN MARKINGS "NO DUMPING – FLOWS TO BAY" ARE REQUIRED TO BE INSTALLED ON ALL NEW STORM DRAINS PER STANDARD FDG SPECIFICATION 33 40 00.
4. UTILITY TRENCH SELECT BACKFILL MATERIAL FOR STORM DRAIN LINES WITH LESS THAN 2' OF COVER LOCATED UNDER ROADS SHALL BE A SLURRY MIXTURE CONTAINING A MINIMUM OF 2 SACKS OF TYPE II CEMENT PER CUBIC YARD OF MIXTURE.

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P24785 - STANFORD LBRE

Drawing Title

ASA UTILITY PLAN

Revisions

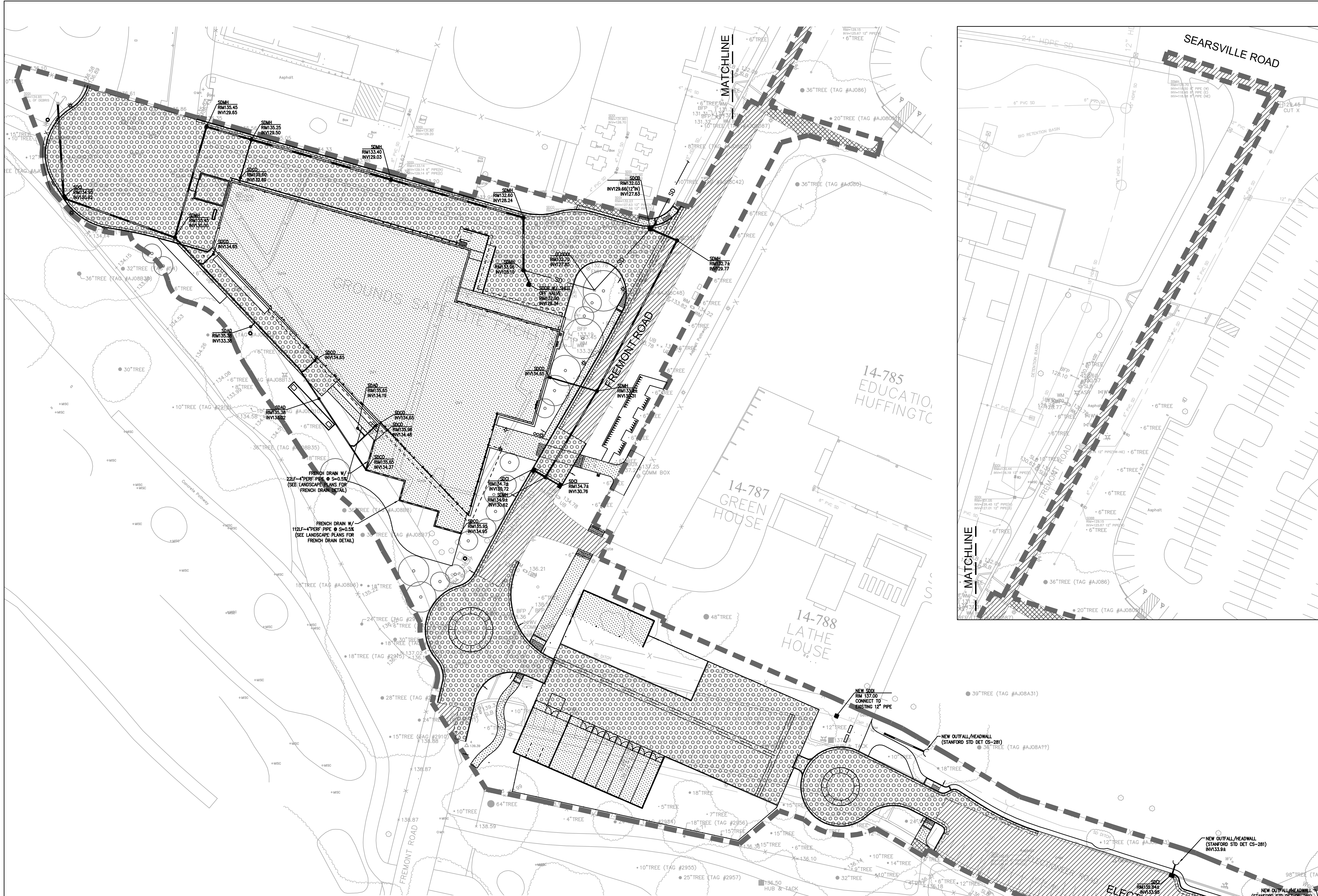
12/11/2020 ASA RESUBMITTAL

Date:	09/15/2020
Job No:	P24785
Drawn By:	CU
Checked By:	DP

Drawing No.

C4.0

ASA SUBMITTAL



LEGEND

- NEW/REPLACED VEHICULAR IMPERVIOUS AREA
- NEW/REPLACED NON-VEHICULAR IMPERVIOUS AREA
- EXISTING VEHICULAR IMPERVIOUS AREA TO REMAIN
- EXISTING NON-VEHICULAR IMPERVIOUS AREA TO REMAIN
- PROJECT AREA

REFER TO THE TREE PROTECTION AND REMOVAL PLAN FOR EXISTING TREE INFO

STORMWATER TREATMENT SUMMARY

	AREA SIZE (SF)	PERVIOUS AREA (SF)	IMPERVIOUS AREA						NEW/REPLACED IMPERVIOUS AREA (SF) REQUIRING IN-LIEU CREDITS FROM WEST CAMPUS STORMWATER CAPTURE FACILITY (COUNTY FILE NO: 10689-18C3) (SEPARATE PROJECT)	EXISTING IMPERVIOUS AREA (SF) REQUIRING IN-LIEU CREDITS FROM WEST CAMPUS STORMWATER CAPTURE FACILITY (COUNTY FILE NO: 10689-18C3) (SEPARATE PROJECT)
			VEHICULAR			NON-VEHICULAR				
			EXISTING TO REMAIN (SF)	NEW/REPLACED (SF)	TOTAL (SF)	EXISTING TO REMAIN (SF)	NEW/REPLACED (SF)	TOTAL (SF)		
TOTAL	208,912	69,542	31,094	57,843	88,937	2,358	48,075	50,433	105,918	33,452

NOTE: PERCENT REPLACEMENT OF IMPERVIOUS AREA IS GREATER THAN 50%. THEREFORE, C.3 REQUIREMENTS APPLY TO THE ENTIRE SITE.
REPLACED TOTAL IMPERVIOUS AREA = 84,446 SF
EXISTING TOTAL IMPERVIOUS AREA = 117,898 SF

REPLACED TOTAL IMPERVIOUS AREA / EXISTING TOTAL IMPERVIOUS AREA = 84,446 / 117,898 = 71.63% > 50%

HYDROMODIFICATION MANAGEMENT (HM) SUMMARY

THE PROJECT CREATES AND/OR REPLACES MORE THAN ONE ACRE OF IMPERVIOUS SURFACE, THE TOTAL POST-PROJECT IMPERVIOUS AREA IS GREATER THAN THE PRE-PROJECT IMPERVIOUS AREA, AND THE PROJECT IS LOCATED IN AN AREA OF HM APPLICABILITY (GREEN AREA) ON THE HM APPLICABILITY MAP.

THEREFORE, THE PROJECT MUST IMPLEMENT HM REQUIREMENTS.

THE WEST CAMPUS STORMWATER CAPTURE FACILITY (COUNTY FILE NO. 10689-18C3) HAS BEEN DESIGNED TO PROVIDE HYDROMODIFICATION (HM) FOR ALL PROJECTS IN THE SAN FRANCISQUITO CREEK.

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

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Drawing Title

ASA STORMWATER TREATMENT PLAN

Revisions

12/11/2020 ASA RESUBMITTAL

Date:	09/15/2020
Job No:	P24785
Drawn By:	CU
Checked By:	DP

Drawing No.

C5.0

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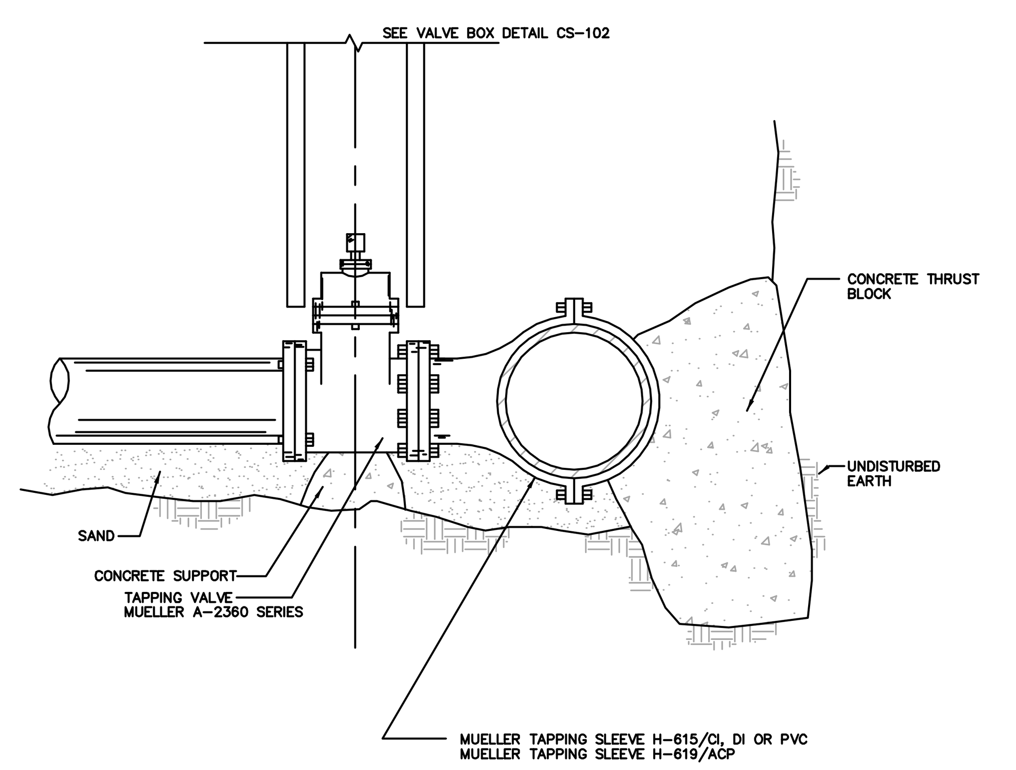
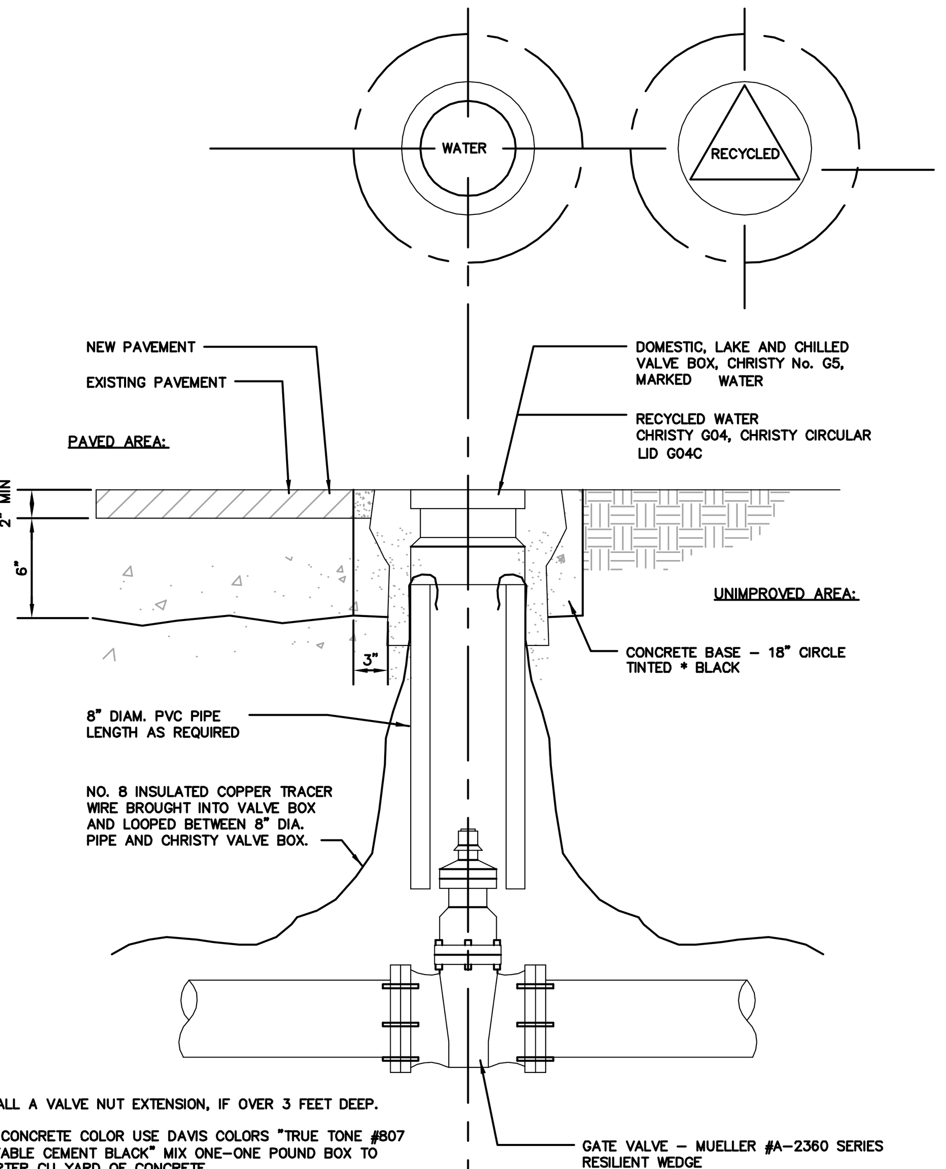
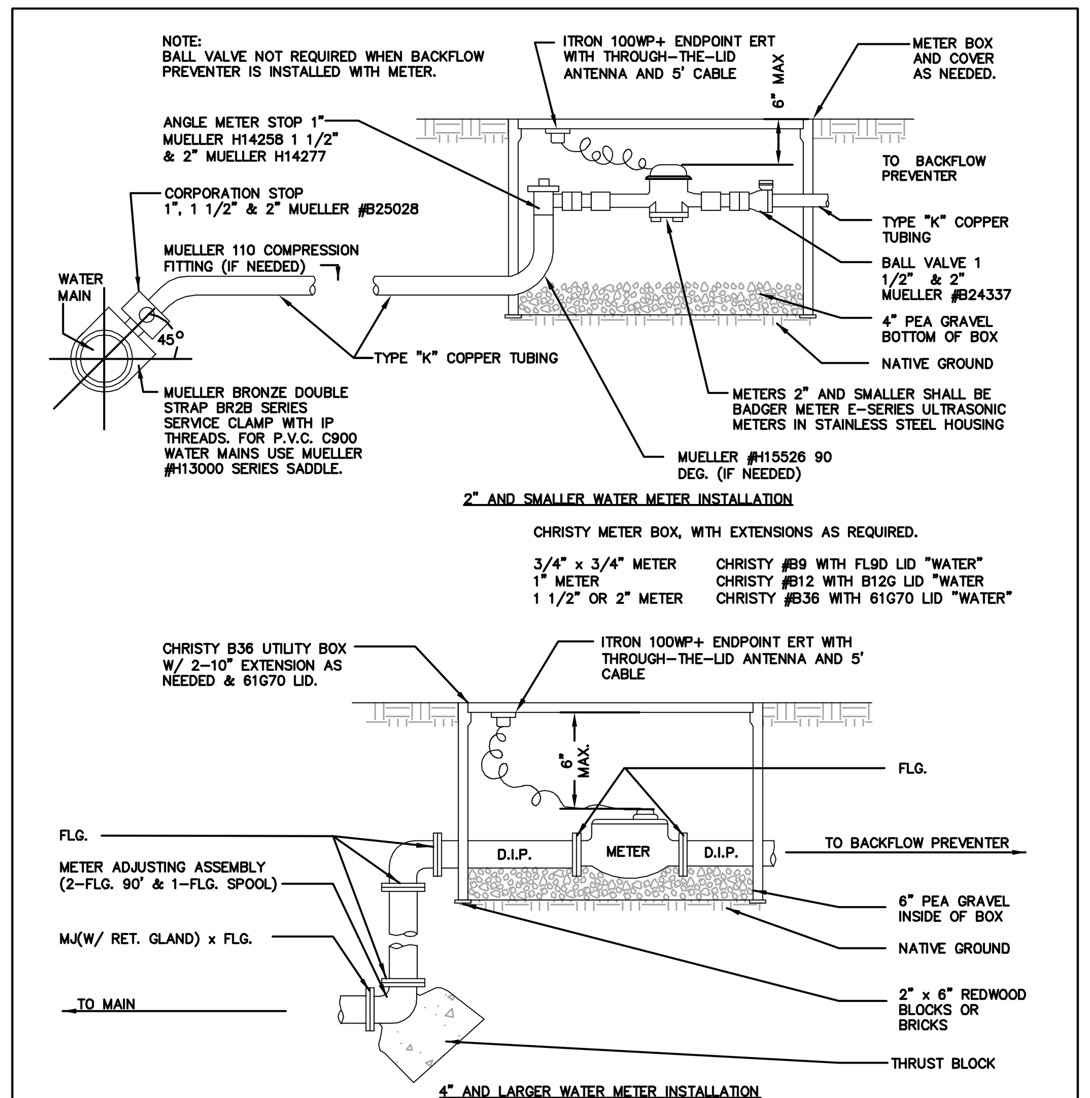


STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: TAPPING SLEEVE AND VALVE				CS-101
Scale: NTS	Check: JHK	Rev. By: og	Rev. Date: 12/10/08	



NOTES:
1. INSTALL A VALVE NUT EXTENSION, IF OVER 3 FEET DEEP.
2. FOR CONCRETE COLOR USE DAVIS COLORS "TRUE TONE #807
3. WETTABLE CEMENT BLACK" MIX ONE-ONE POUND BOX TO
4. QUARTER CU YARD OF CONCRETE.
5. DEBRIS CAPS SHALL BE INSTALLED IN RISER AS CLOSE TO THE TOP AS POSSIBLE WITHOUT INTERFERING WIT INSTALLATION OF THE LID. DEBRIS CAPS SHALL BE DC825 FROM SW SERVICES. COLORS FOR HANDLES SHALL BE:
   BLUE - DOMESTIC WATER
   BLACK - LAKE WATER
   PURPLE - RECYCLED WATER
   GREEN - CHILLED WATER SUPPLY
   RED - CHILLED WATER RETURN.

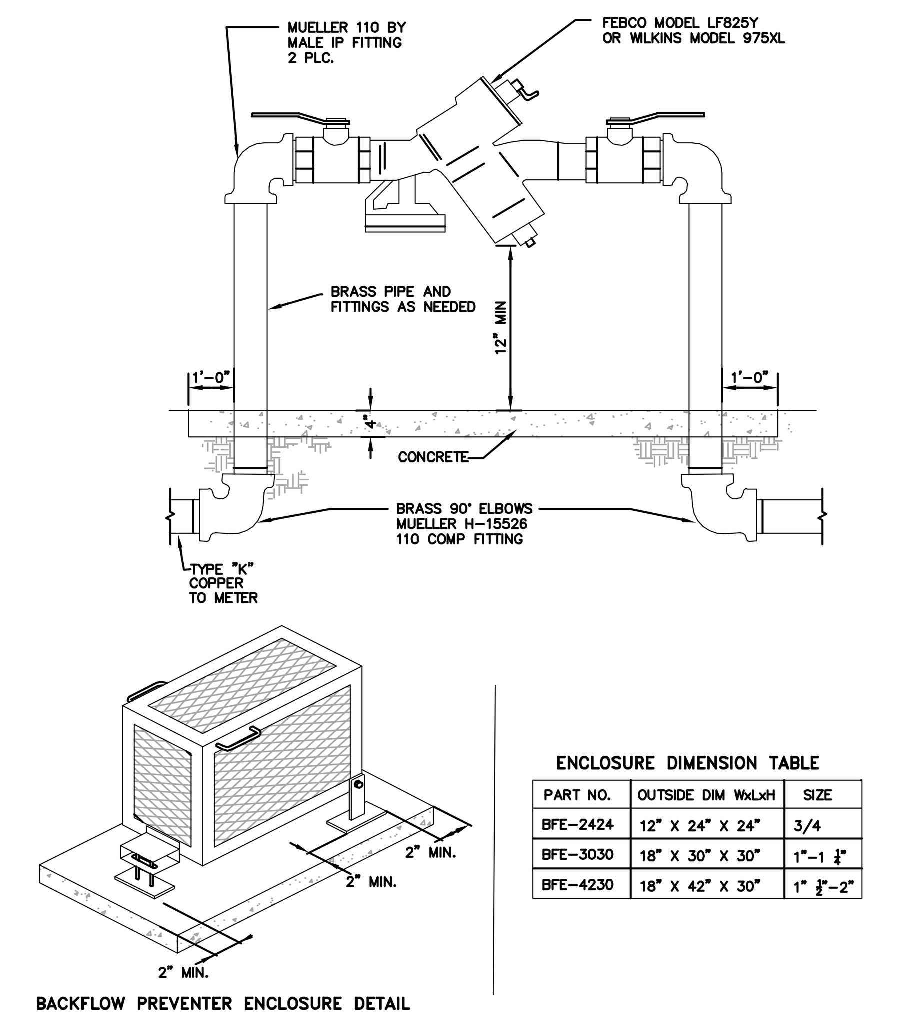
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: GATE VALVE BOX				CS-102
Scale: NTS	Check: RACHEL B.	Rev. By: OG	Rev. Date: 01/11/18	



NOTES:
1. CHRISTY B36 METER BOX WITH EXTENSIONS AS REQUIRED. STEEL CHECKER PLATE LID WITH METER READING LID (61G70).
2. BADGER METER TURBO SERIES WITH RTR REGISTER AND ITRON PIT ERT STRAIGHT READING OF REGISTER
3. 6" PEA GRAVEL IN BOTTOM OF BOX.
4. IF REDUCERS ARE REQUIRED, INSTALL OUTSIDE OF BOX.
5. INSTALL FIBERGLASS ROD INSIDE OF BOX TO HOLD UP THE SMART METER COMPONENTS. FIBERGLASS ROD SHALL BE 1/2" DIAMETER AND BE APPROPRIATELY SIZED FOR THE METER BOX. NATIONAL MODEL NOS. 7659 FOR 12", 3752 FOR 18", AND 4279 FOR 36".
6. FOR METERS LOCATED IN LANDSCAPED AREAS OR AREAS NOT RATED FOR H-20 TRAFFIC LIDS SHALL BE CHRISTY/OLDCASTLE FIBRELYTE.

STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: WATER METER INSTALLATION				CS-123
Scale: NTS	Check: RACHEL B.	Rev. By: JEM	Rev. Date: 01/16/20	

FEBCO MODEL LF825Y OR WILKINS MODEL 975XL2 (LEAD FREE) (3/4" - 2")



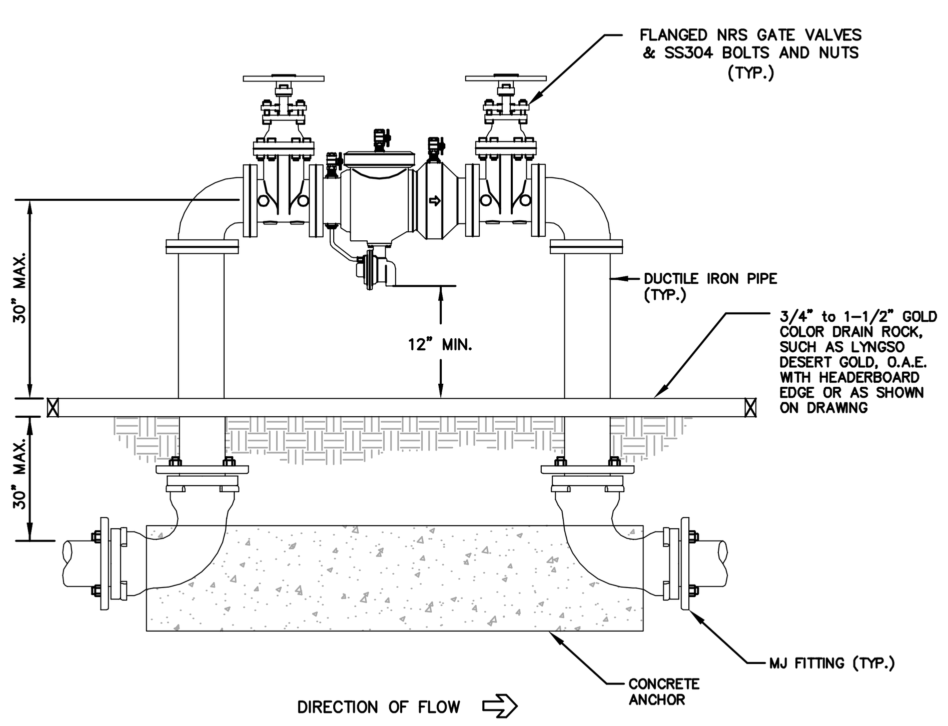
ENCLOSURE DIMENSION TABLE

PART NO.	OUTSIDE DIM WxLxH	SIZE
BFE-2424	12" X 24" X 24"	3/4
BFE-3030	18" X 30" X 30"	1"-1 1/2"
BFE-4230	18" X 42" X 30"	1" 1/2"-2"

NOTES:
1. FURNISH AND INSTALL ALL-SPEC BACKFLOW PREVENTER ENCLOSURE PER ENCLOSURE DIMENSION TABLE.
2. LOCATION TO BE SUBMITTED FOR APPROVAL TO UNIVERSITY ARCHITECT/CAMPUS PLANNING.
3. FOR CONCRETE PAD COLOR USE DAVIS COLORS "TRUE TONE #807 WETTABLE CEMENT BLACK" MIX ONE-ONE POUND BOX TO QUARTER CU YARD OF CONCRETE.
4. BACKFLOW PREVENTER ENCLOSURE SHALL BE INSULATED (INSIDE) WITH 3/4" INSULATION BOARD, SECURED WITH BLACK FASTENERS. ENCLOSURE SHALL BE PAINTED WITH SIERRA/RUST-OLEUM PERFORMANCE METALMAX DTM PAINT. BLACK COLOR, SATIN FINISH.

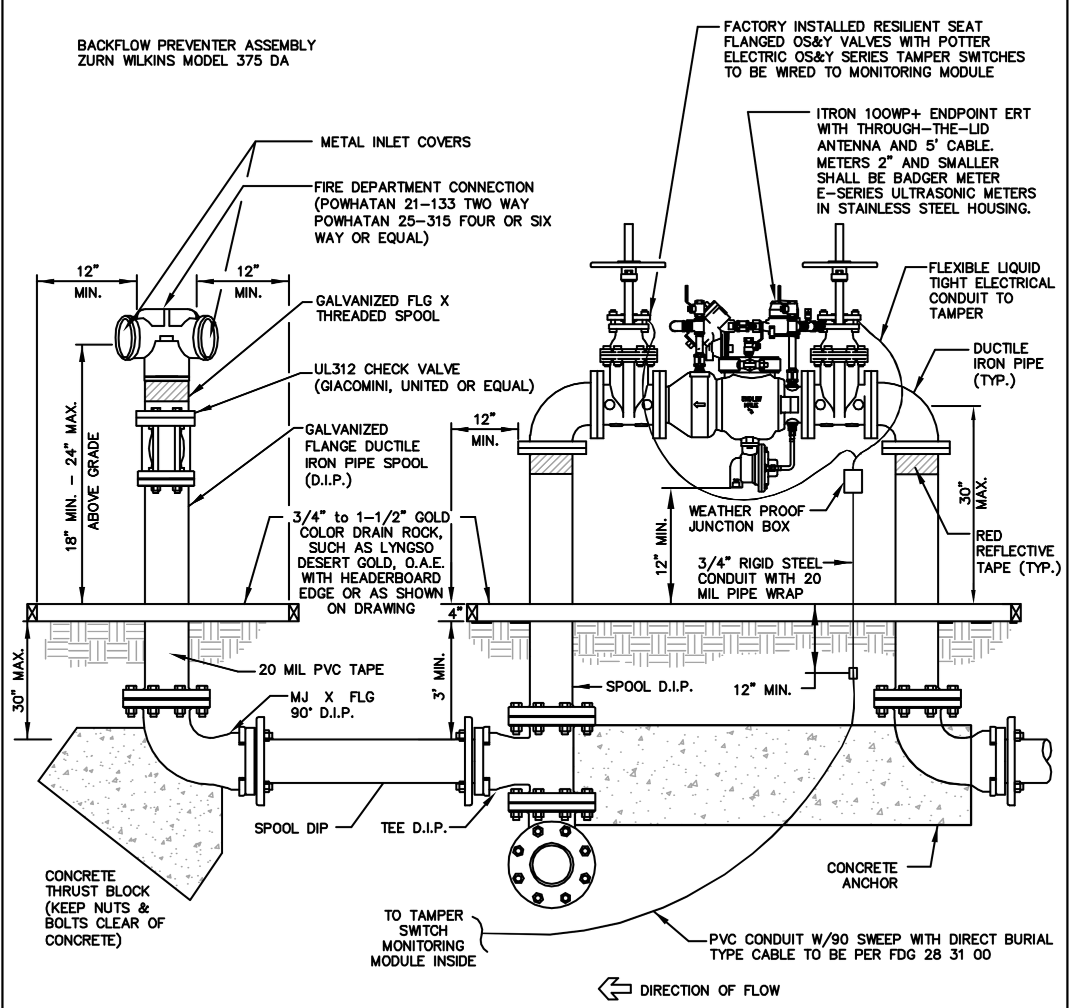
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: REDUCED PRESSURE BACKFLOW PREVENTER (3/4"-2")				CS-130
Scale: NTS	Check: RACHEL B.	Rev. By: JEM	Rev. Date: 01/15/20	

ZURN WILKINS 375 (3" - 10")



NOTES:
1. INLET AND OUTLET PIPES MAY VARY IN ELEVATION BASED ON BUILDING ENTRANCE LOCATIONS AND ELEVATIONS. CONSTRUCT THRUST BLOCKS AS REQUIRED.
2. PAINT BACKFLOW WITH SIERRA/RUST-OLEUM PERFORMANCE METALMAX DTM PAINT. BLACK COLOR, SATIN FINISH.
3. ADD CATHODIC PROTECTION WHEN SHOWN ON DRAWINGS.
4. RESTRAIN ALL MECHANICAL JOINT FITTINGS WITH MEGA-LUG RESTRAINTS.
5. LOCATION TO BE SUBMITTED FOR APPROVAL TO UNIVERSITY ARCHITECT/CAMPUS PLANNING.

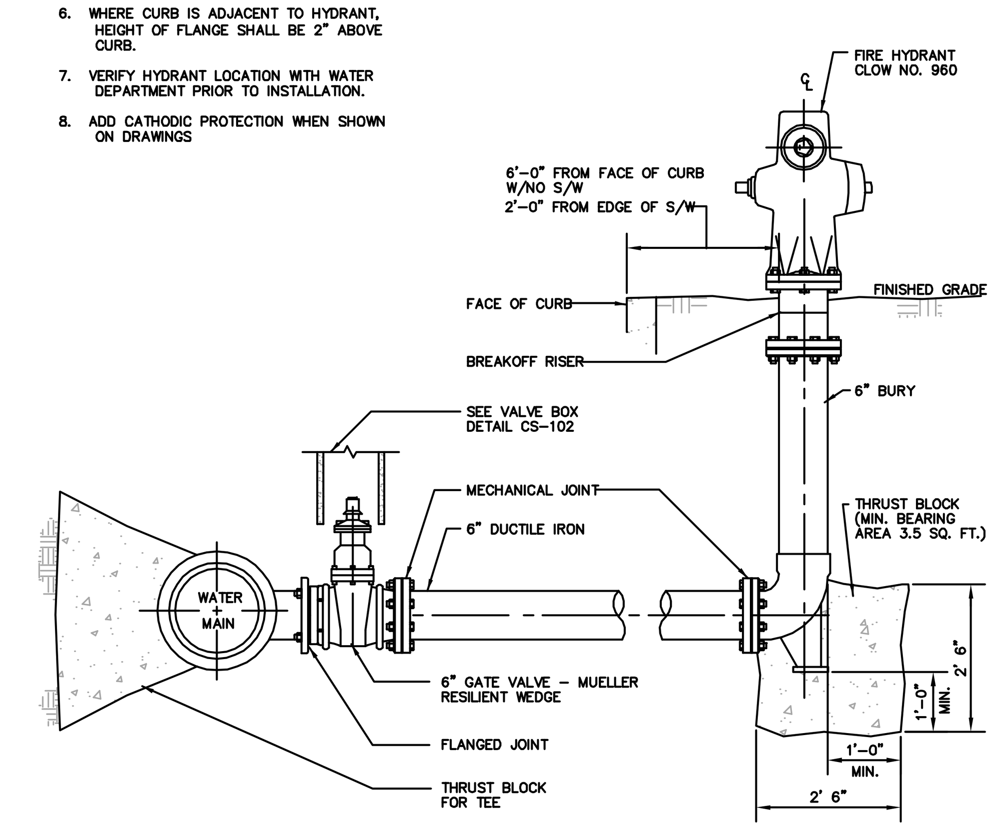
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: DOMESTIC WATER BACKFLOW REDUCED PRESSURE ASSY.				CS-133
Scale: NTS	Check: RB	Rev. By: JEM	Rev. Date: 01/15/20	



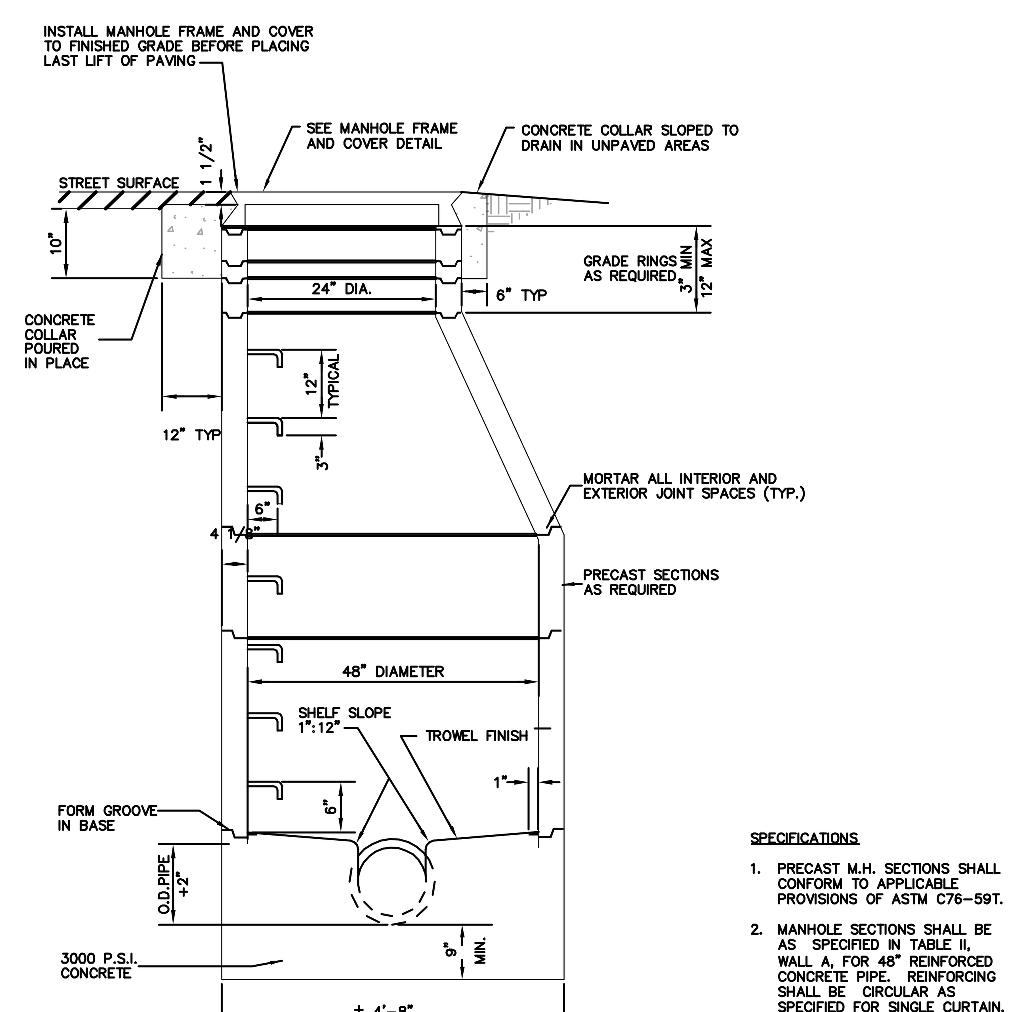
NOTES:
1. SEE STANFORD FACILITIES DESIGN GUIDELINES, SECTION 33 10 01. FOR ADDITIONAL INFORMATION AND REQUIREMENTS FOR REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSEMBLIES.
2. INLET AND OUTLET PIPES MAY VARY IN ELEVATION BASED ON BUILDING ENTRANCE LOCATIONS AND ELEVATIONS. CONSTRUCT THRUST BLOCKS AS REQUIRED.
3. FDC SHALL BE ACCESSIBLE TO FIRE DEPARTMENT IN ACCORDANCE WITH FIRE MARSHAL.
4. BACKFLOW PREVENTER ASSEMBLY SHALL BE PAINTED WITH SIERRA/RUST-OLEUM PERFORMANCE METALMAX DTM PAINT. BLACK COLOR, STAIN FINISH.
5. ADD CATHODIC PROTECTION WHEN SHOWN ON DRAWINGS AND ON GEOTECH REPORT.
6. LOCATION TO BE SUBMITTED FOR APPROVAL TO UNIVERSITY ARCHITECT/CAMPUS PLANNING AND TO SUFMO.
7. PROVIDE CODE REQUIRED SIGNAGE PER STANFORD FDG 21 13 00.

STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: BACKFLOW PREVENTER ASSY. & FIRE DEPT. CONN.				CS-134
Scale: NTS	Check: STEVE B.	Rev. By: JEM	Rev. Date: 01/16/20	

NOTE:
1. FLANGE BOLTS & NUTS SHALL BE KEPT CLEAR OF CONCRETE.
2. SEE PLAN FOR HYDRANT LOCATION.
3. STEEL TIE RODS & CLAMPS ARE NOT ACCEPTABLE.
4. PAINT HYDRANT WHITE.
5. SEE DETAIL CS-172 FOR GUARD POST REQUIREMENTS.
6. WHERE CURB IS ADJACENT TO HYDRANT, HEIGHT OF FLANGE SHALL BE 2" ABOVE CURB.
7. VERIFY HYDRANT LOCATION WITH WATER DEPARTMENT PRIOR TO INSTALLATION.
8. ADD CATHODIC PROTECTION WHEN SHOWN ON DRAWINGS



STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: FIRE HYDRANT				CS-171
Scale: NTS	Check: JHK	Rev. By: OG	Rev. Date: 12/10/08	



SPECIFICATIONS
1. PRECAST M.H. SECTIONS SHALL CONFORM TO APPLICABLE PROVISIONS OF ASTM C76-59T.
2. MANHOLE SECTIONS SHALL BE AS SPECIFIED IN TABLE II, WALL A, FOR 48" REINFORCED CONCRETE PIPE. REINFORCING SHALL BE CIRCULAR AS SPECIFIED FOR SINGLE CURTAIN.
3. STEPS SHALL BE 14" WIDE
4. FOR MANHOLE BASES SEE CS-203.

STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: SANITARY SEWER AND STORM DRAIN				CS-201
Scale: NTS	Check: STEVE BUI	Rev. By: OG	Rev. Date: 01/24/17	

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Drawing Title
ASA DETAILS

Revisions
12/11/2020 ASA RESUBMITTAL

Date:	09/15/2020
Job No:	P24785
Drawn By:	CU
Checked By:	DP

Drawing No.
C6.0

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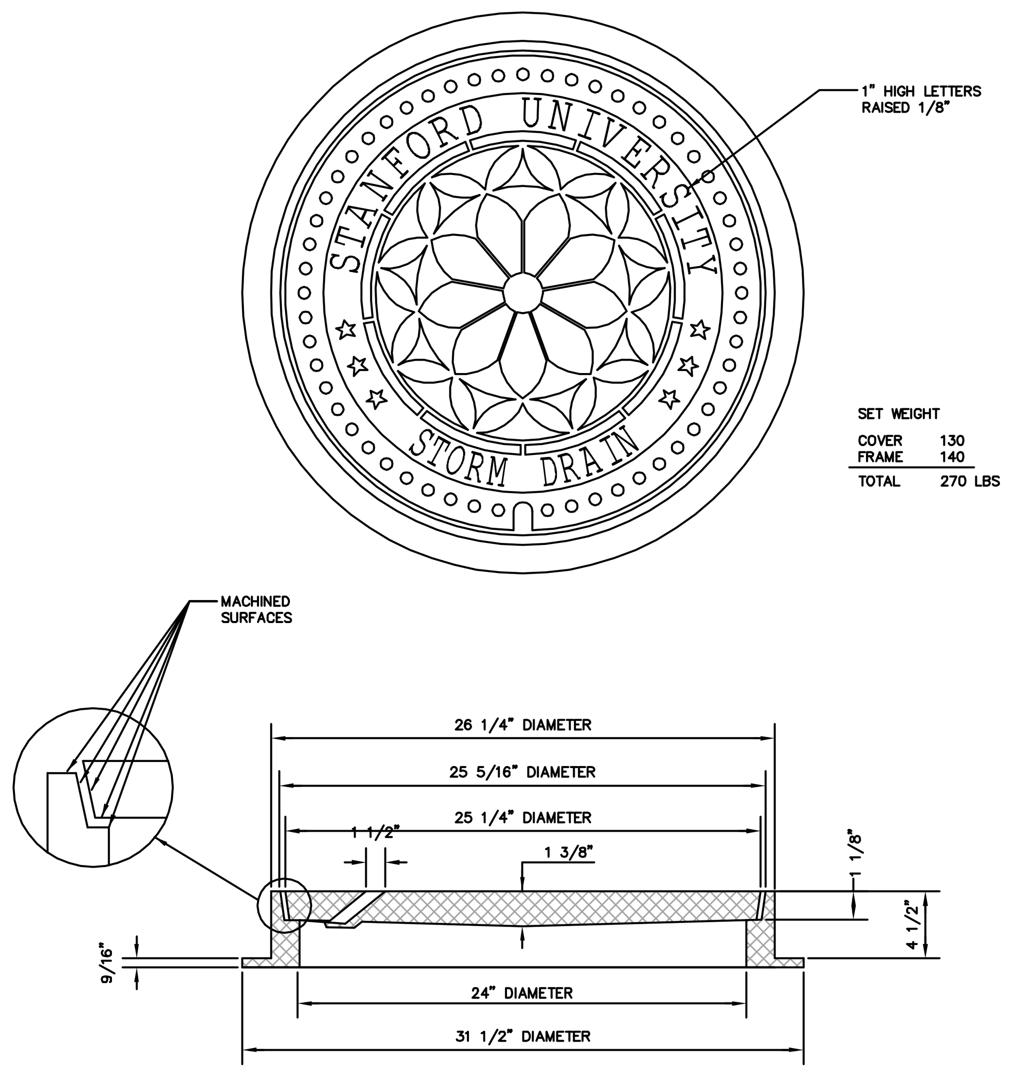
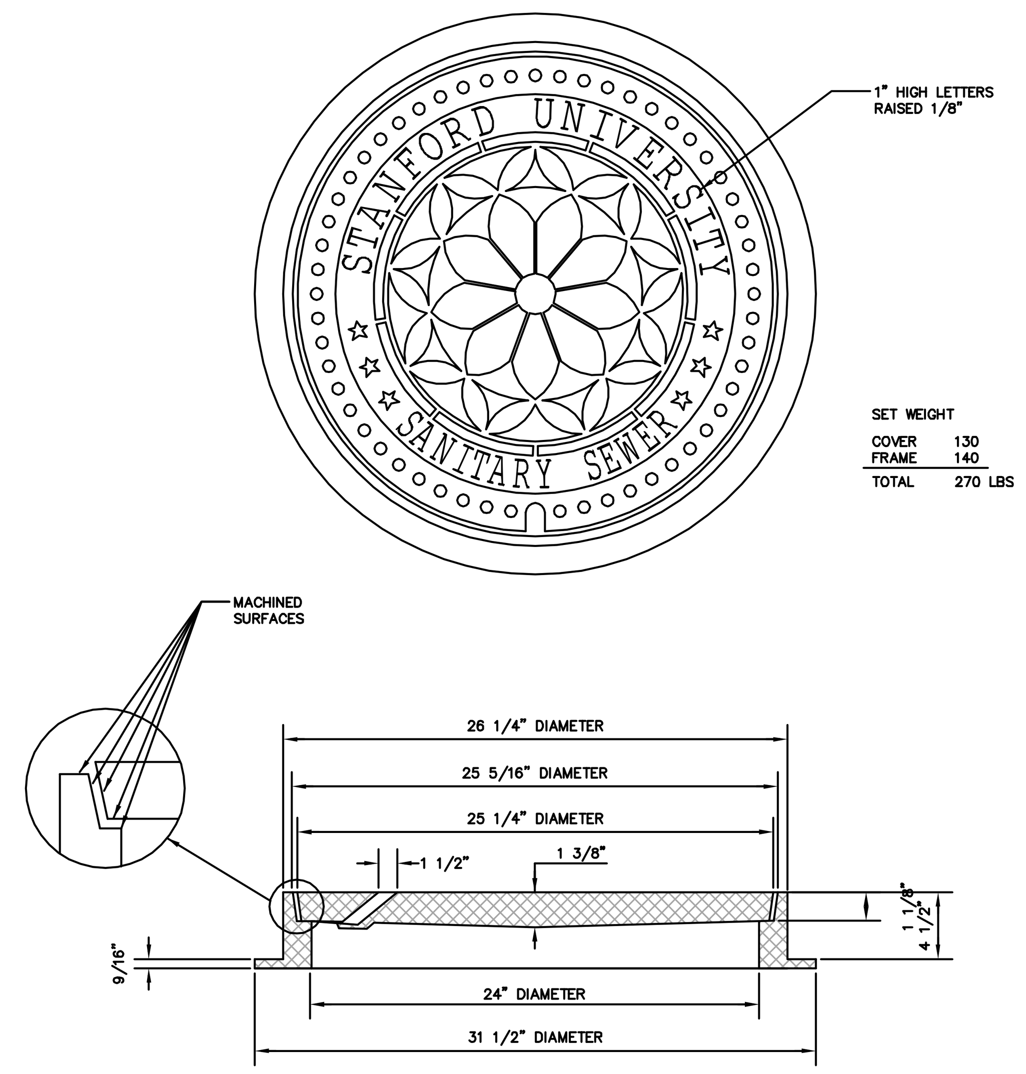
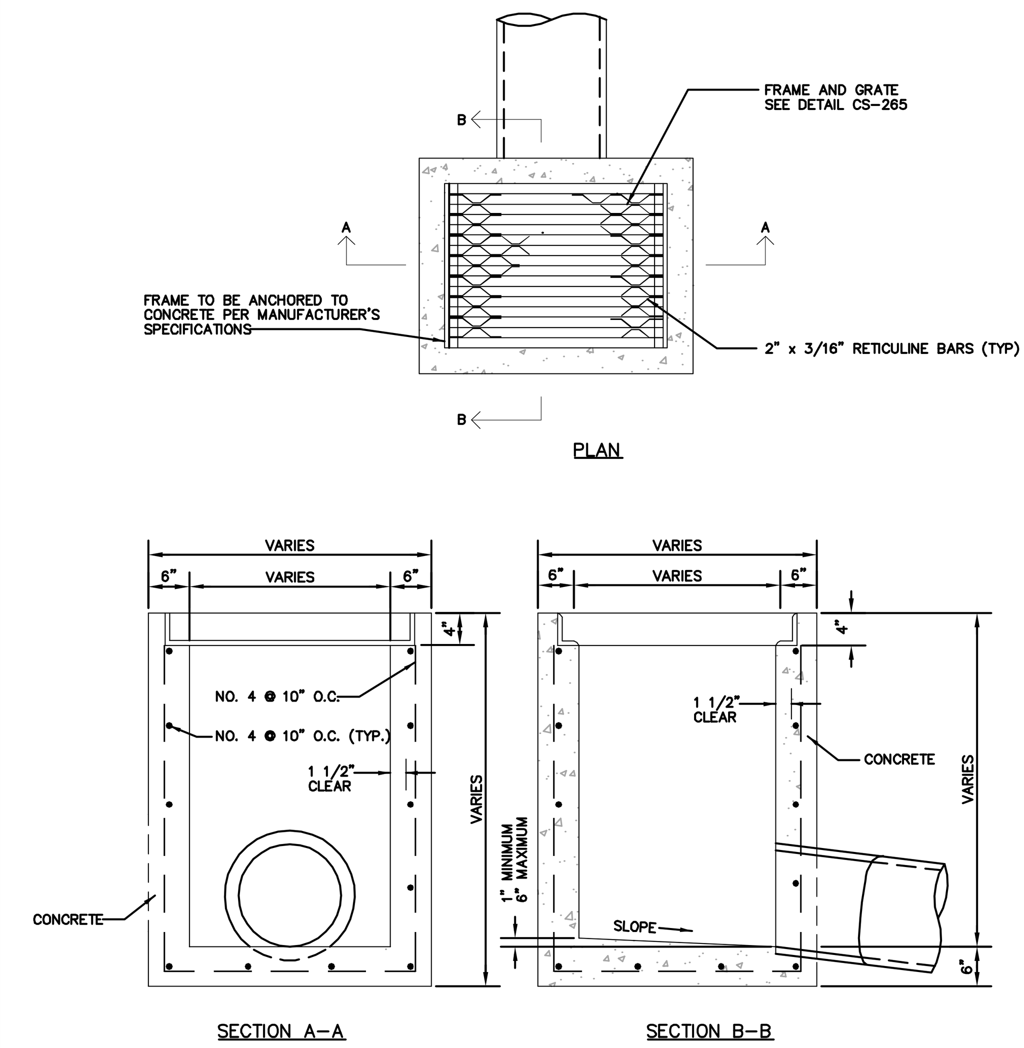


STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: STORM DRAIN MANHOLE FRAME AND COVER				CS-204
Scale: NTS	Check: RACHEL B.	Rev. By: OG	Rev. Date: 03/04/2020	

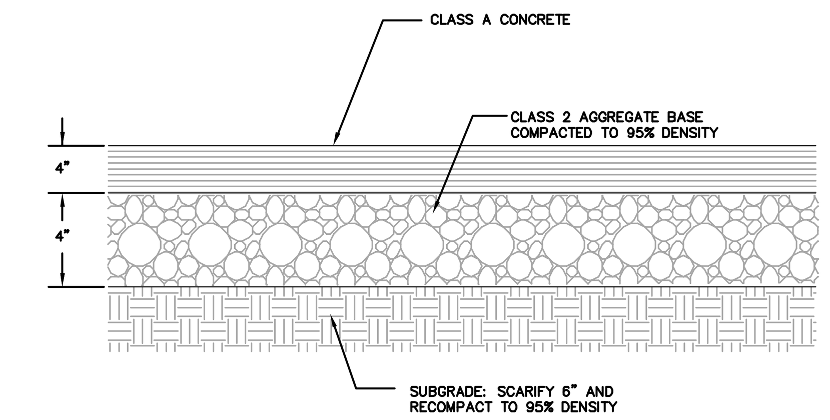


STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: SANITARY SEWER MANHOLE FRAME AND COVER				CS-205
Scale: NTS	Check: KTS	Rev. By: OG	Rev. Date: 03/04/2020	



NOTES:
1. PRE-CAST CATCH BASINS SUBJECT TO APPROVAL OF STANFORD WATER DEPARTMENT AND PROJECT MANAGER.

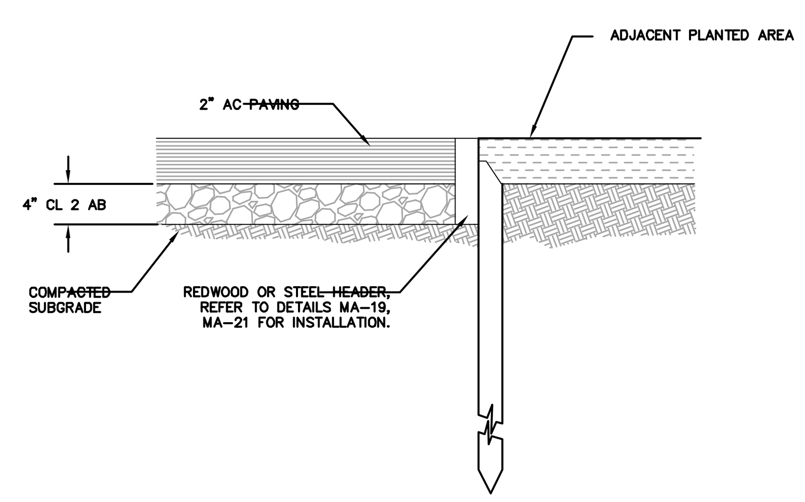
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: CATCH BASIN				CS-261
Scale: NTS	Check: STEVE BUI	Rev. By: OG	Rev. Date: 03/04/2020	



CONCRETE SIDEWALK

NOTE:
1. SIDEWALK REPAIR – REMOVAL AND REPLACEMENT SHALL BE BETWEEN EXPANSION/CONSTRUCTION JOINTS (AREA TO BE REMOVED SHALL BE SAWCUT.)
2. SUBGRADE AND AGGREGATE BASE SHALL BE COMPACTED TO 95%.
3. SPACING FOR EXPANSION/CONSTRUCTION JOINTS AND SCORING SHALL MATCH EXISTING SIDEWALK SPACING.
4. MATCH WIDTH OF EXISTING SIDEWALK (MINIMUM 4')
5. TYPICAL SIDEWALK CROSS-SLOPE IS 2% TOWARDS THE STREET.

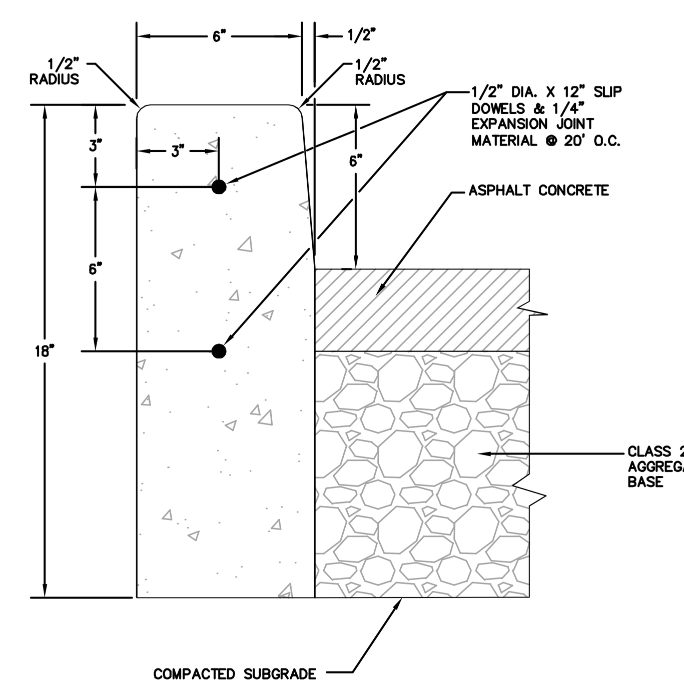
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: CONCRETE SIDEWALK				CS-284
Scale: NTS	Check: T. Leong	Rev. By: O.G.	Rev. Date: 03/05/2020	



NOTE:

1. FOR SIDEWALK REPAIRS – AREA TO BE REPLACED SHALL BE SAWCUT PRIOR TO REMOVAL.
2. SUBGRADE AND AGGREGATE BASE SHALL BE COMPACTED TO 95%.
3. ASPHALT CONCRETE SHALL BE TYPE ½" MEDIUM
4. AGGREGATE BASE SHALL BE CLASS 2.
5. REDWOOD HEADERS ARE STANDARD ON BOTH SIDES OF THE SIDEWALK, UNLESS ONE SIDE IS AGAINST THE CONCRETE CURB.
6. MATCH WIDTH OF EXISTING SIDEWALK (MINIMUM 4'.)
7. TYPICAL SIDEWALK CROSS-SLOPE IS 2% TOWARDS THE STREET.

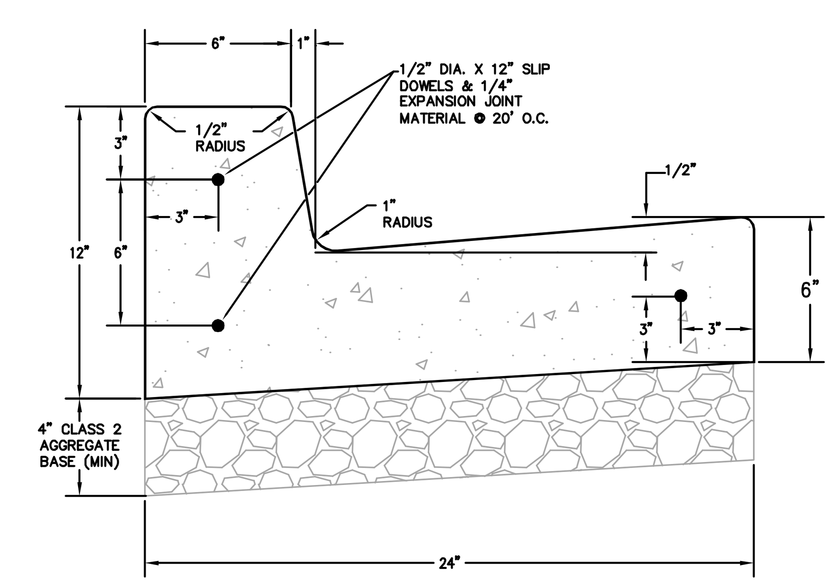
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: ASPHALT SIDEWALK				CS-286
Scale: NTS	Check: STEVE BUI	Rev. By: O.G	Rev. Date: 03/05/2020	



CONCRETE CURB (6")

NOTE:
1. ALL EXPOSED CONCRETE EDGES (HORIZONTAL AND VERTICAL) SHALL BE 1/2" RADIUS

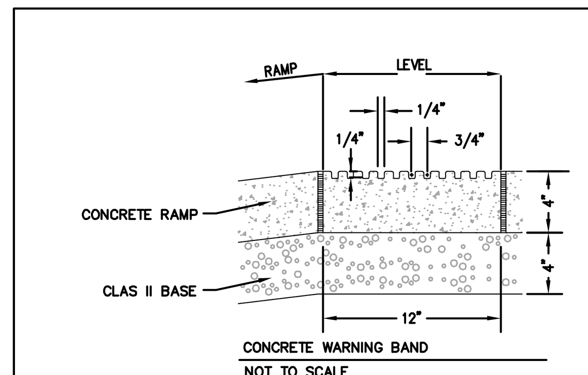
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: CONCRETE CURB (6")				CS-289
Scale: NTS	Check: Tom Z.	Rev. By: O.G.	Rev. Date: 03/05/2020	



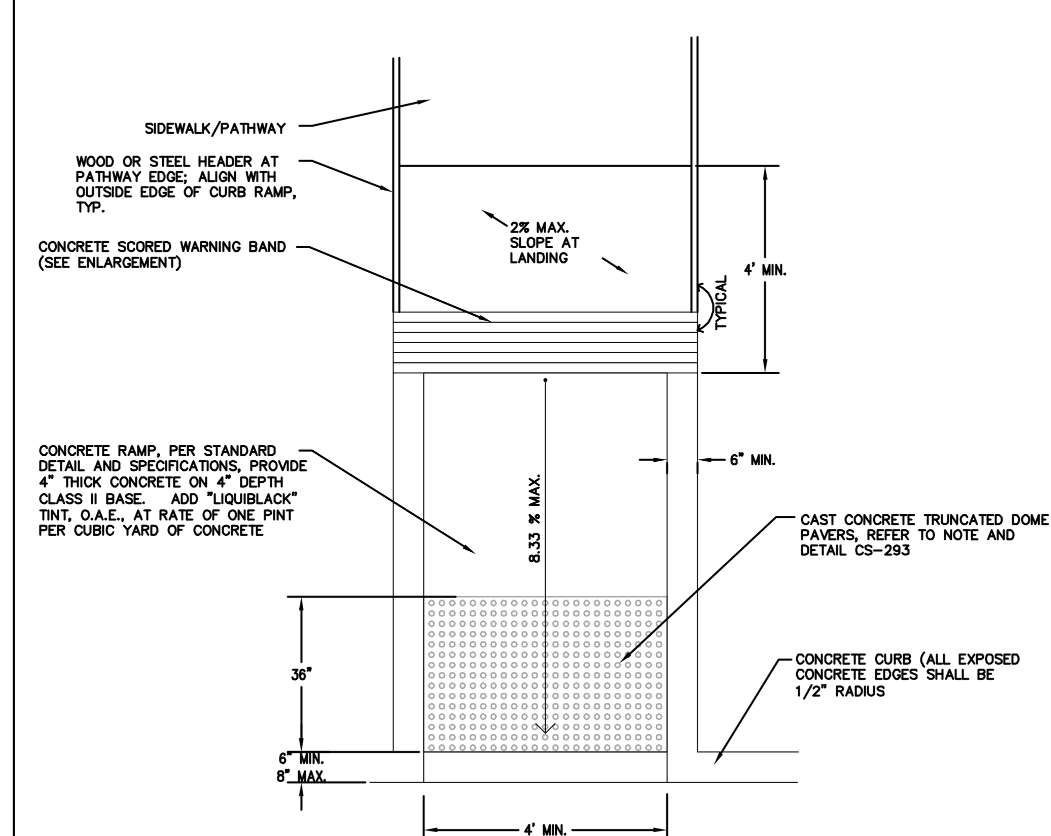
CONCRETE CURB AND GUTTER

NOTE:
1. ALL EXPOSED CONCRETE EDGES (HORIZONTAL AND VERTICAL) SHALL BE 1/2" RADIUS

STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: CONCRETE CURB AND GUTTER				CS-291
Scale: NTS	Check: Tom Z.	Rev. By: O.G.	Rev. Date: 03/05/2020	



NOTES:
1. TRUNCATED DOME PAVERS SHALL BE TEK-WAY DOME TILES, COLOR "STANFORD BLACK", 24" X 36" STANDARD, 2.35" O.C. DOME SPACING, IN LINE PATTERN; STRONG-GO INDUSTRIES, TUCSON, AZ WWW.STRONGGO.COM
2. FOR NEW INSTALLATIONS, "WET SET" AND "THIN SET" METHODS ARE VIABLE, THOUGH WET-SETTING IS PREFERRED. CONTRACTOR TO REFER TO MANUFACTURER SPECIFICATIONS AND ADHERE TO RECOMMENDATIONS UNLESS OTHERWISE APPROVED.
3. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT PATHWAY PAVING SURFACE



STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: STRAIGHT ADA RAMP WITH DETECTABLE WARNING PAVER				CS-292
Scale: NTS	Check: Drew B.	Rev. By: D.B.	Rev. Date: 03/05/2020	

SHEET 1 OF 3

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Revisions
12/11/2020 ASA RESUBMITTAL

Date:	09/15/2020
Job No:	P24785
Drawn By:	CU
Checked By:	DP

Drawing No.

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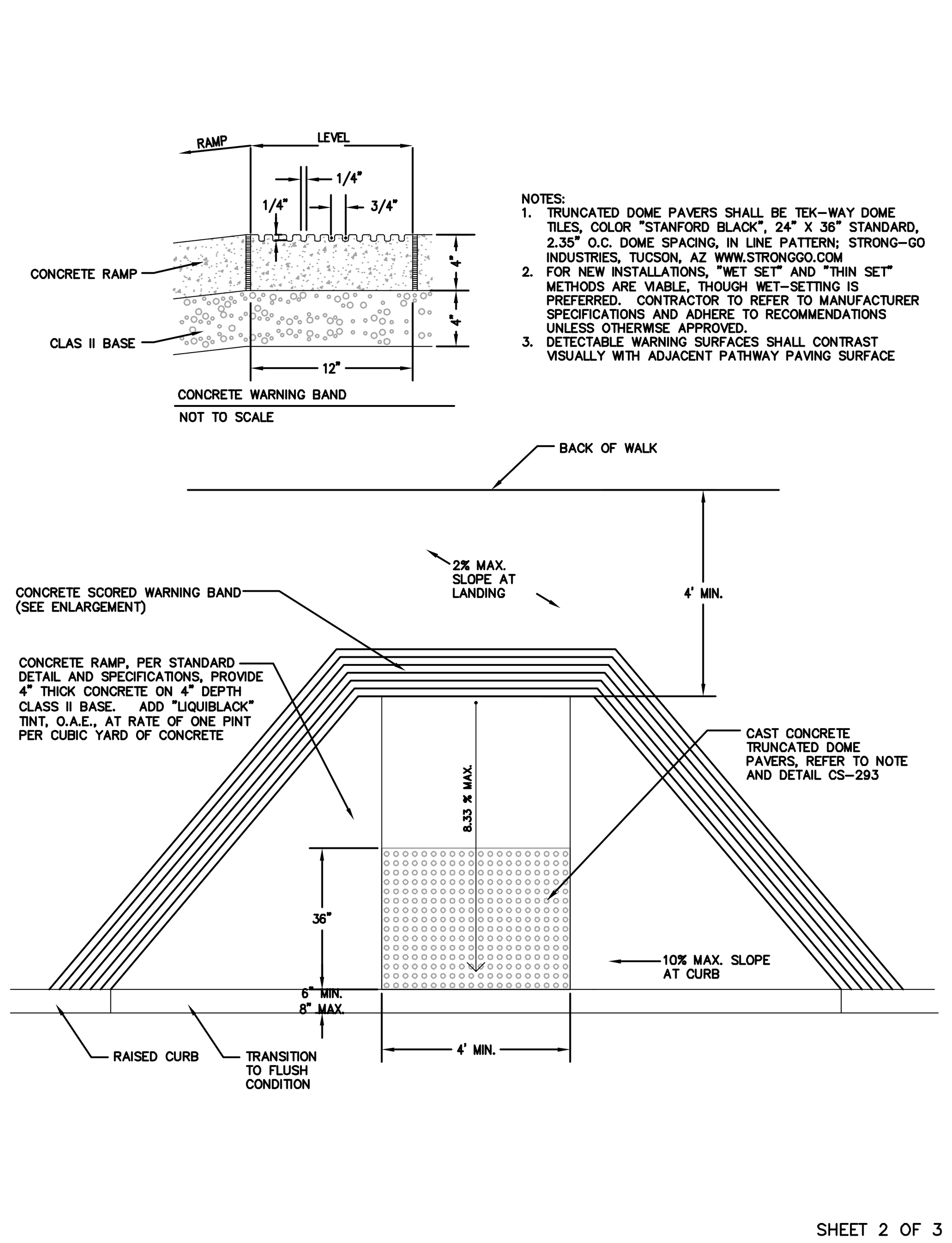
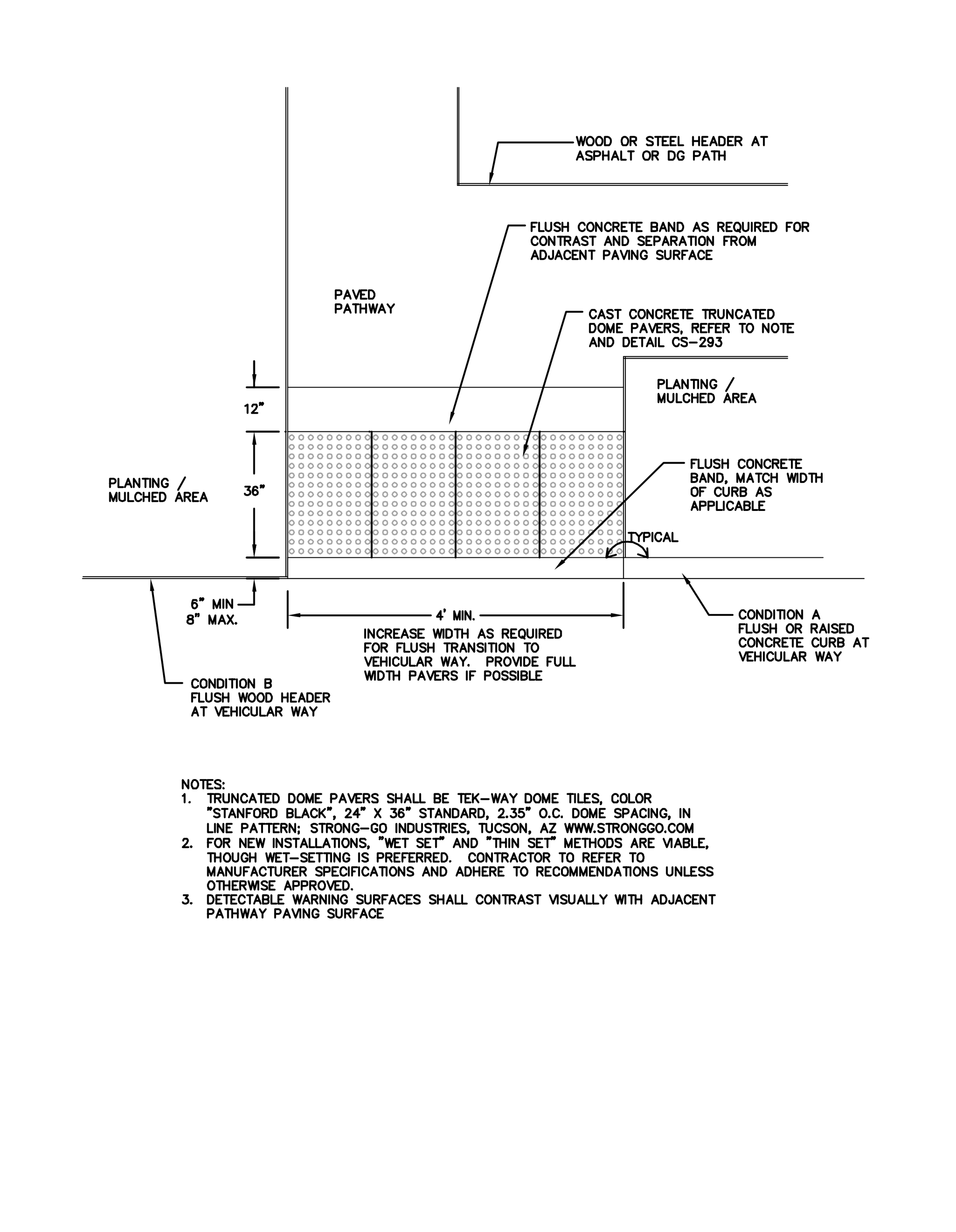
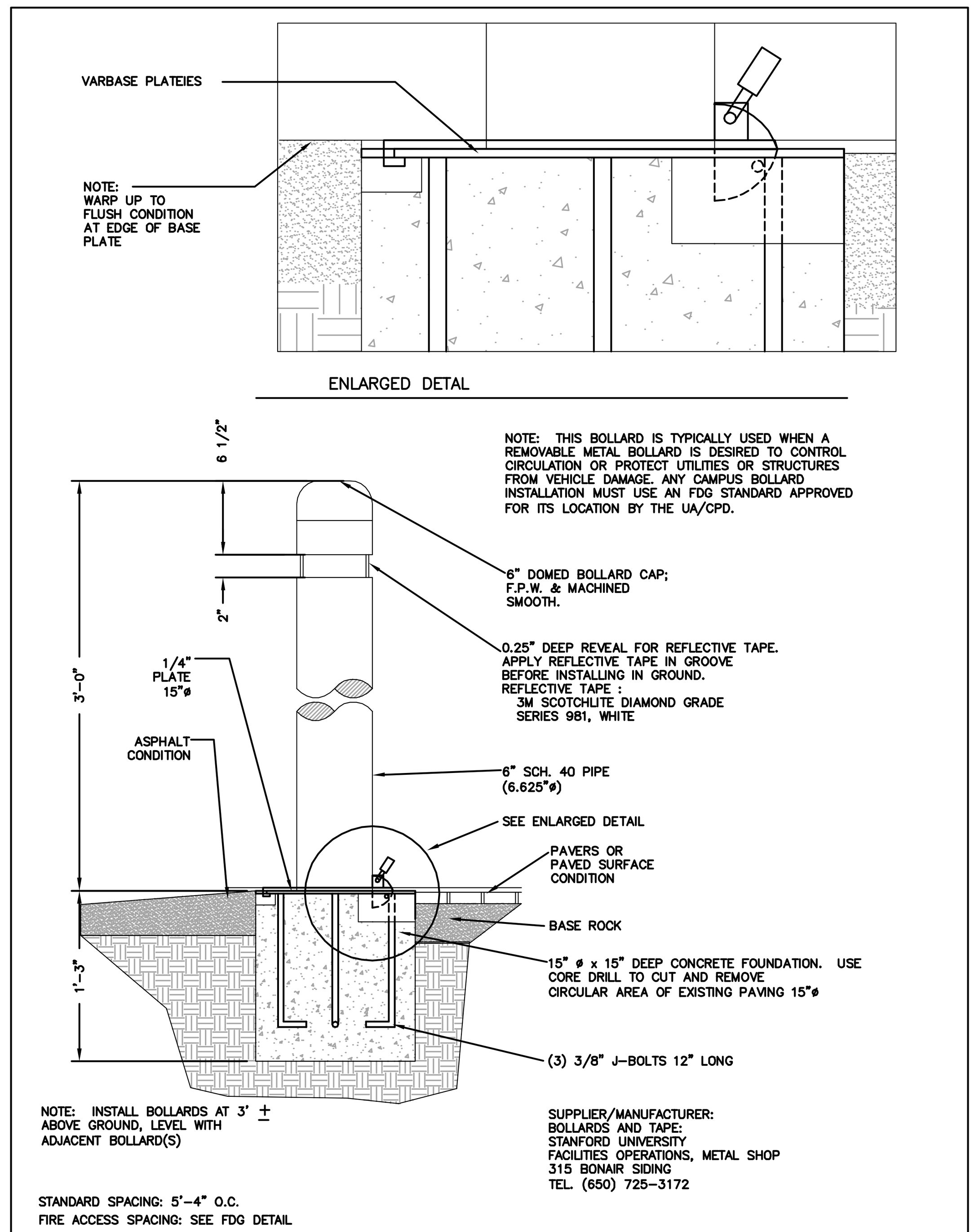
ASA SUBMITTAL



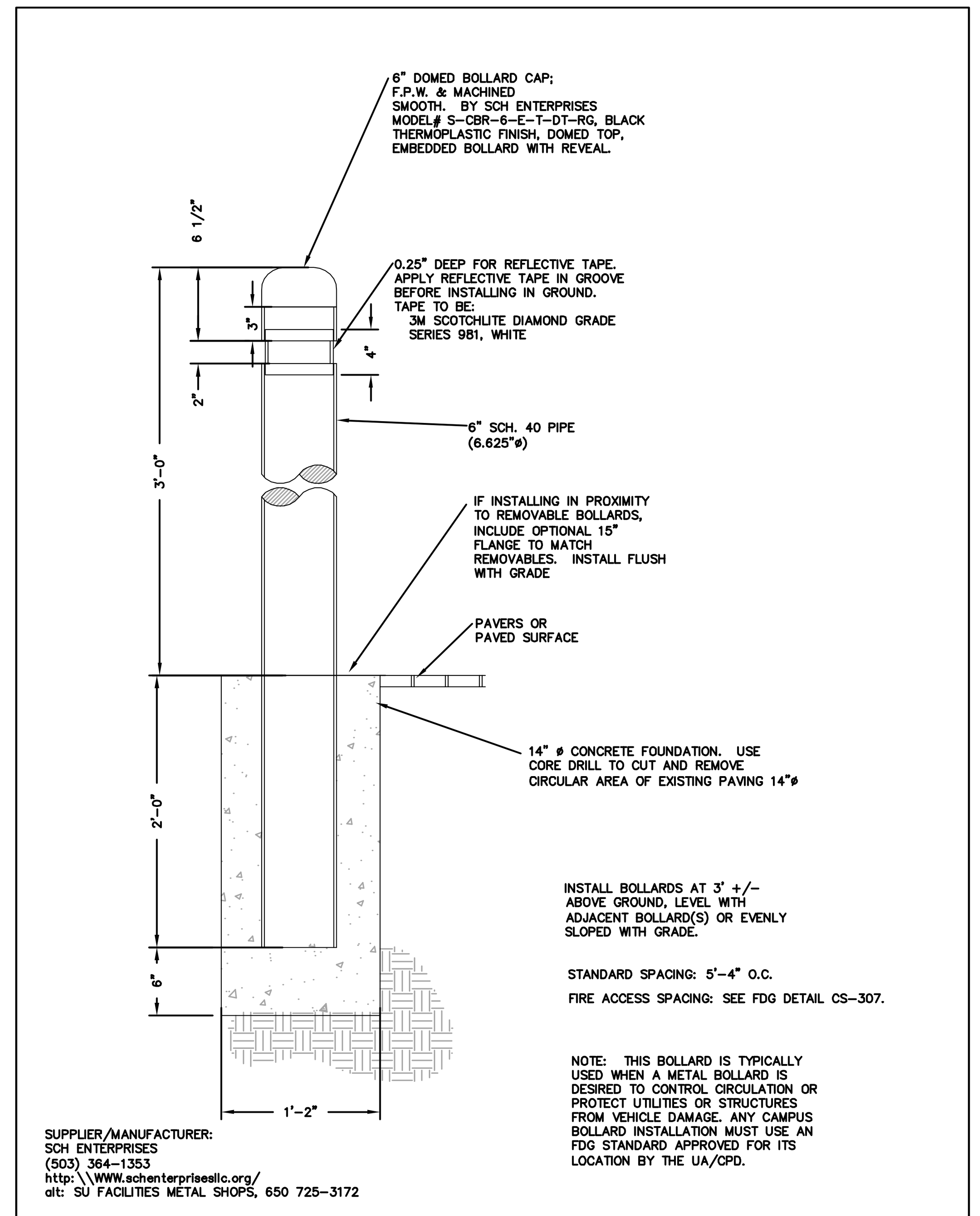
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: FLARED ADA RAMP WITH DETECTABLE WARNING PAVER				CS-292
Scale: NTS	Check: Drew B.	Rev. By: D.B.	Rev. Date: 03/05/2020	



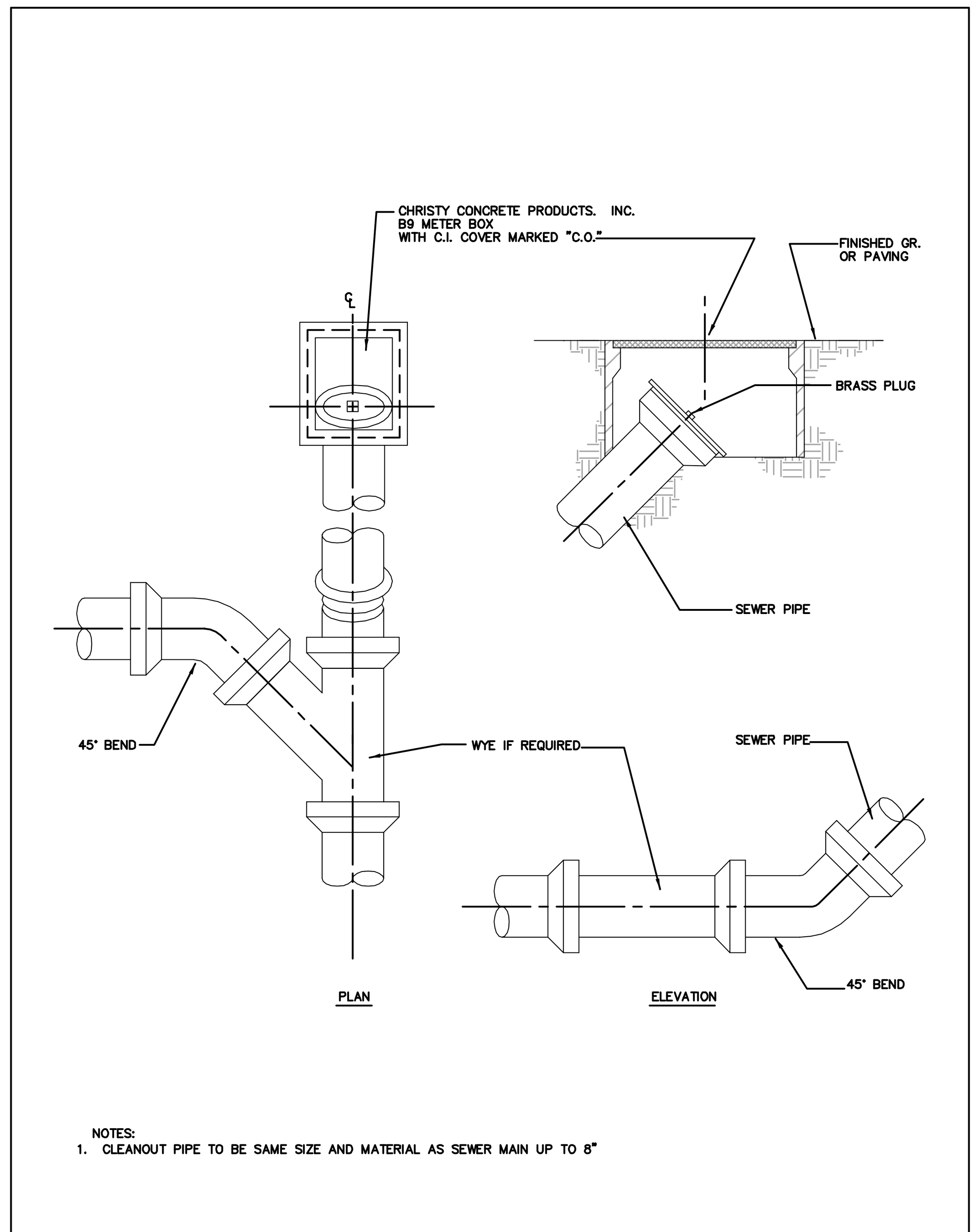
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: FLUSH CONDITION WITH DETECTABLE WARNING PAVER				CS-292
Scale: NTS	Check: D. Brown	Rev. By: OG	Rev. Date: 03/05/2020	



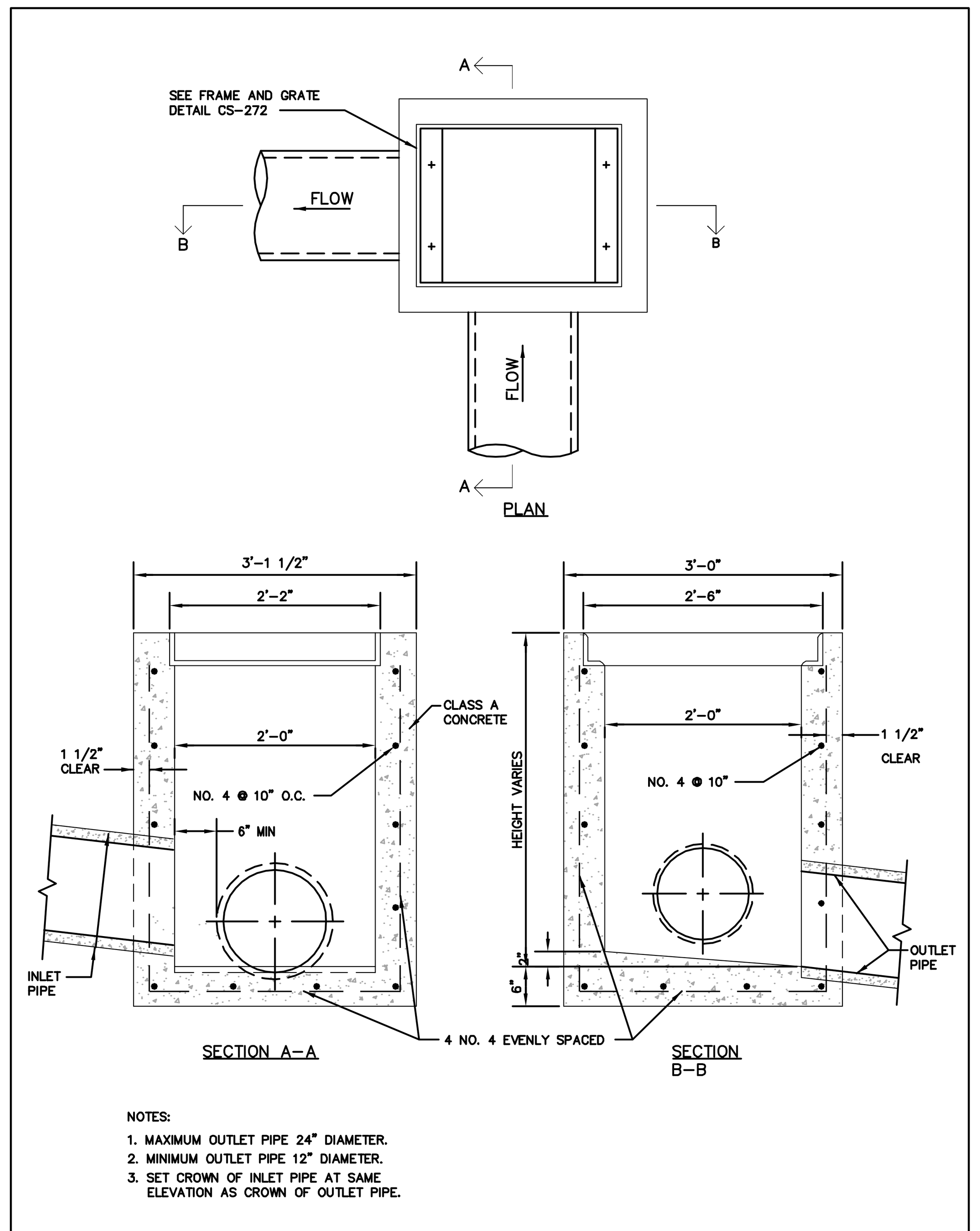
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: BOLLARD - METAL REMOVEABLE				CS-308
Scale: NTS	Check: D. CANINO	Rev. By:	Rev. Date: 03/07/11	



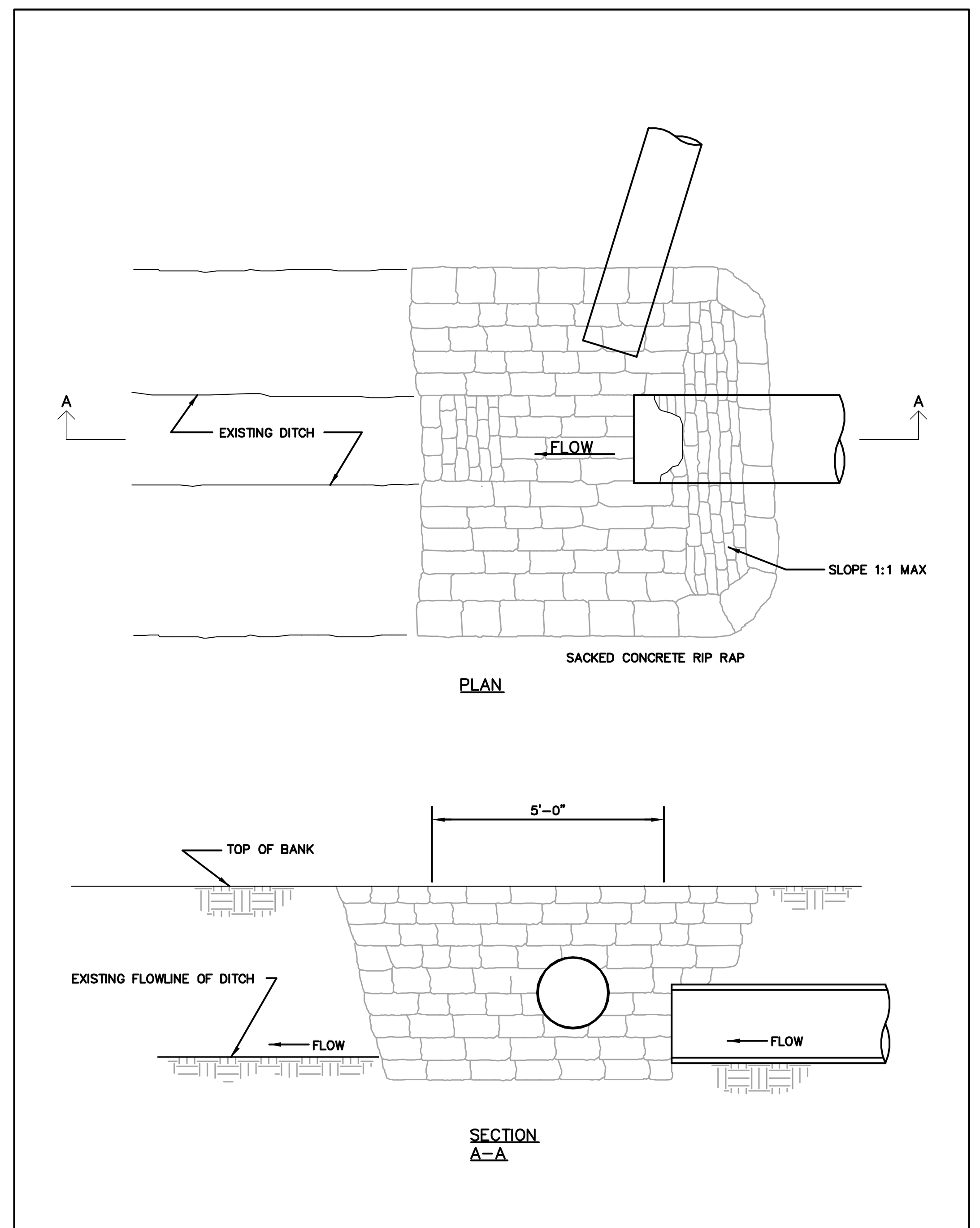
STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: BOLLARD - METAL FIXED				CS-309
Scale: NTS	Check: D. Brown	Rev. By: OG	Rev. Date: 02/21/17	



STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: SANITARY SEWER CLEANOUT				CS-212
Scale: NTS	Check: STEVE BUI	Rev. By: OG	Rev. Date: 03/04/2020	



STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: ~~STORM DRAIN~~ INLET AND CLEANOUT				CS-271
Scale: NTS	Check: KTS	Rev. By: OG	Rev. Date: 03/04/2020	



STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: SACKED CONCRETE HEADWALL				CS-281
Scale: NTS	Check: KTS	Rev. By: OG	Rev. Date: 03/05/2020	

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P24785 - STANFORD LBRE

Drawing Title

ASA DETAILS

Revisions

12/11/2020 ASA RESUBMITTAL

Date:	09/15/2020
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Drawn By:	CU
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C6.2

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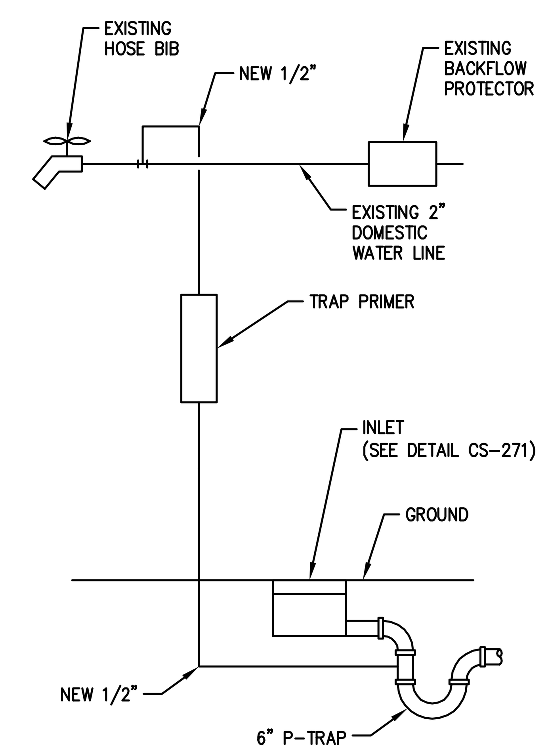
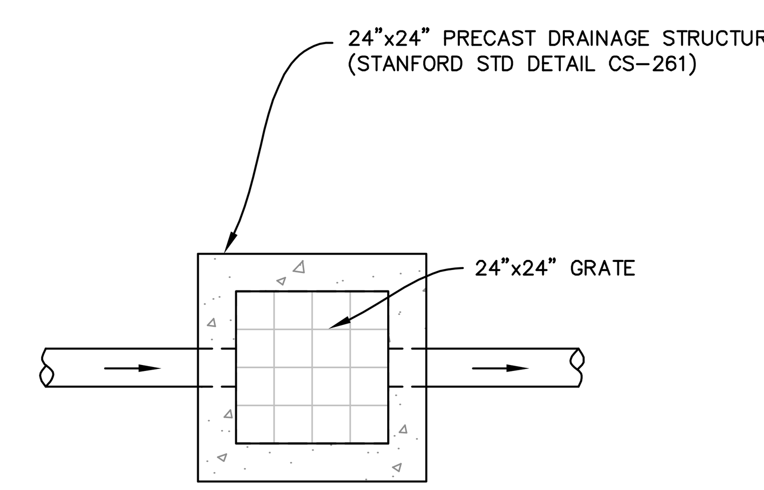


2 –
TRAP PRIMER DETAIL
N.T.S.



PLAN VIEW

P24785 - STANFORD LBRE

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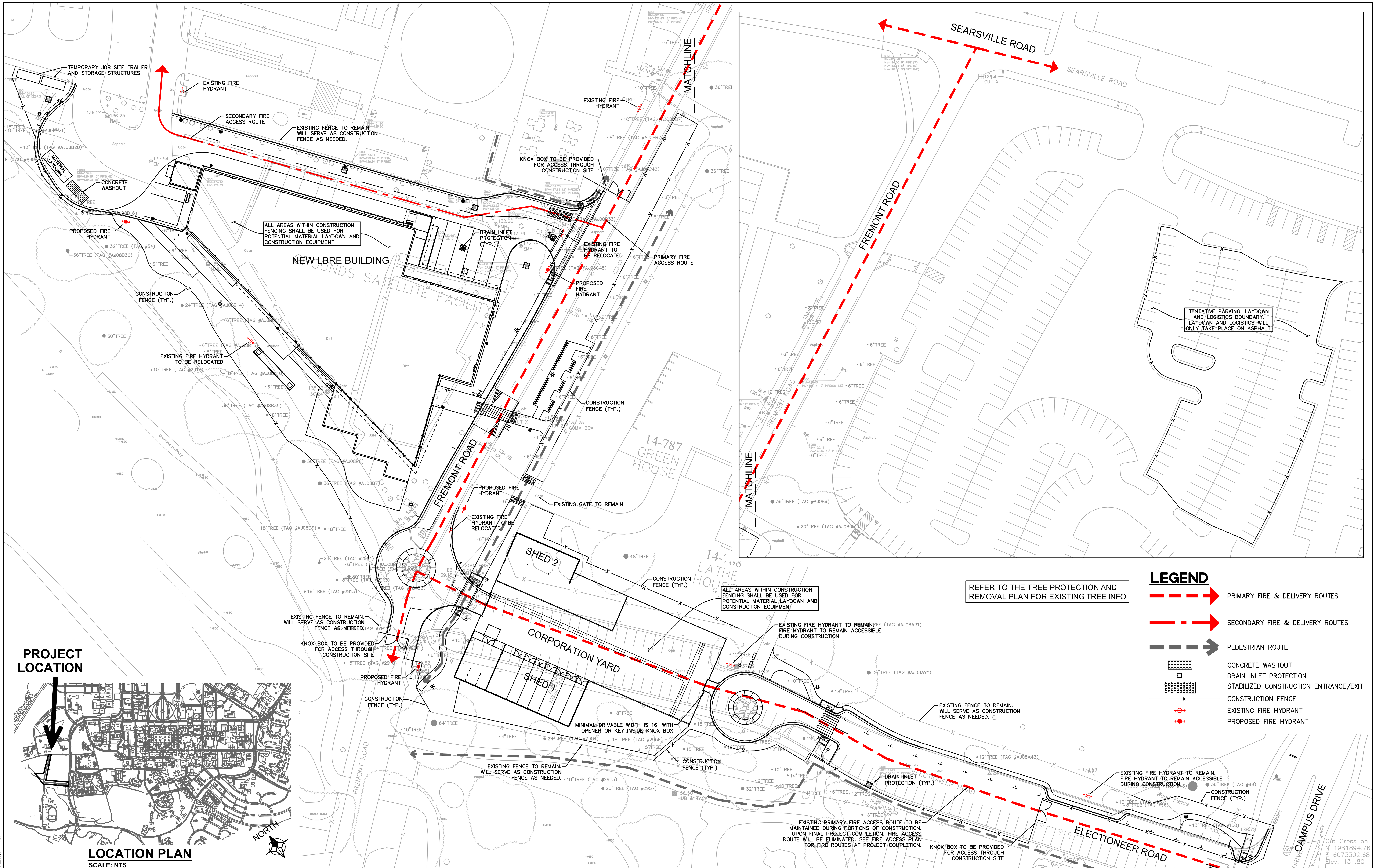

LOCATION PLAN

SCALE: NTS

LEGEND

- PRIMARY FIRE & DELIVERY ROUTES
- SECONDARY FIRE & DELIVERY ROUTES
- PEDESTRIAN ROUTE
- CONCRETE WASHOUT
- DRAIN INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE/EXIT
- CONSTRUCTION FENCE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT

CONSTRUCTION NOTES

1. THE BAY AREA QUALITY MANAGEMENT DISTRICT (BAAQMD) HAS IDENTIFIED A SET OF FEASIBLE PMIO CONTROL MEASURES FOR ALL CONSTRUCTION ACTIVITIES. THESE CONTROL MEASURES, AS PREVIOUSLY REQUIRED IN PROGRAM THE EIR, SHALL BE ADHERED TO DURING ALL CONSTRUCTION ACTIVITIES.

   A. WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.
   B. COVER ALL TRUCKS HAULING SOIL, SAND AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
   C. PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON–TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
   D. SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS AT CONSTRUCTION SITES.
   E. SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIALS IS CARRIED ONTO ADJACENT PUBLIC STREETS.
   F. HYDROSEED OR APPLY (NON–TOXIC) SOIL STABILIZERS TO INACTIVE CONSTRUCTION AREAS (PREVIOUSLY GRADED AREAS INACTIVE FOR TEN DAYS OR MORE).
   G. ENCLOSE, COVER, WATER TWICE DAILY OR APPLY (NON–TOXIC) SOIL BINDERS TO EXPOSED STOCKPILES (DIRT, SAND).
   H. LIMIT TRAFFIC SPEEDS ON UNPAVED ROADS TO 15 MPH.
   I. INSTALL FIBER ROLLS, SAND BAGS OR OTHER EROSION CONTROL MEASURES TO PREVENT SILT RUNOFF TO PUBLIC ROADWAYS.
   J. REPLANT VEGETATION IN DISTURBED AREAS AS QUICKLY AS POSSIBLE.
   K. INSTALL WHEEL WASHES FOR ALL EXITING TRUCKS OR WASH OFF THE TIRES OF TRACKS OF ALL TRUCKS AND EQUIPMENT LEAVING THE SITE; AND
   L. SUSPEND EXCAVATION AND GRADING ACTIVITY WHEN WINDS (INSTANTANEOUS GUSTS) EXCEED 25 MPH.

2. ALL CONSTRUCTION CONTRACTORS SHALL PROPERLY MAINTAIN THE EQUIPMENT WHERE FEASIBLE. USE "CLEAN FUEL" EQUIPMENT AND EMISSIONS CONTROL TECHNOLOGY (E.G. CNG FIRED ENGINES, CATALYTIC CONVERTERS, PARTICULATE TRAPS, ETC.). MEASURES TO REDUCE DIESEL EMISSION WOULD BE CONSIDERED FEASIBLE WHEN THEY ARE CAPABLE OF BEING USED ON EQUIPMENT WITHOUT INTERFERING SUBSTANTIALLY WITH EQUIPMENT PERFORMANCE.

3. NOISE CONTROL

   CONSTRUCTION PRACTICES SHALL COMPLY WITH THE REQUIREMENTS OF THE COUNTY OF SANTA CLARA NOISE ORDINANCE AND ARE TO BE MONITORED BY THE GENERAL CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS. THE GUP REQUIRES THE FOLLOWING MEASURES TO REDUCE OPERATION NOISE DURING CONSTRUCTION:

   A. MECHANICAL EQUIPMENT WITHIN 50 FEET OF A RESIDENCE SHALL BE ACOUSTICALLY ENGINEERED.
   B. THE BUILDING DESIGN SHALL INCORPORATE DESIGN MEASURES TO LOCATE NOISE SOURCES SUCH AS LOADING ZONES, TRASH BINS AND MECHANICAL EQUIPMENT AS FAR AWAY FROM NOISE SENSITIVE RECEPTORS AS POSSIBLE.
   C. ALL OPERATION NOISE SOURCES SHALL COMPLY WITH THE COUNTY NOISE ORDINANCE.
   D. FOR CONSTRUCTION ACTIVITIES THAT WOULD AFFECT SENSITIVE NOISE RECEPTORS OFF–CAMPUS OR IN AREAS DESIGNATED CAMPUS RESIDENTIAL IN THE COMMUNITY PLAN, THE CONTRACTOR SHALL GIVE ADVANCED REGULAR NOTIFICATION OF CONSTRUCTION ACTIVITY SCHEDULED TO THE POTENTIALLY AFFECTED RESIDENTS.

LOGISTICS AND PHASING DETAILS

1. FREMONT ROAD BETWEEN SEARSVILLE ROAD AND ELECTIONEER WILL BE CLOSED DURING CONSTRUCTION, BUT THE ROAD CLOSURE WILL BE PHASED TO MAINTAIN FIRE ACCESS TO ALL BUILDING AND HYDRANTS.
2. PEDESTRIAN/BICYCLE PATHS SURROUNDING THE SITE WILL BE CLOSED AT TIMES, BUT THE WORK WILL BE PHASED TO MAINTAIN PEDESTRIAN/BICYCLE ACCESS TO ALL BUILDINGS AT ALL TIMES.
3. NO PUBLIC TRANSIT WILL BE AFFECTED.
4. CONTRACTOR STAFF, PARKING AND LAYDOWN WILL BE LOCATED AT STOCK FARM ROAD AND SEARSVILLE PARKING LOT.

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Drawing Title

ASA CONSTRUCTION SITE & LOGISTICS PLAN

Revisions

12/11/2020 ASA RESUBMITTAL

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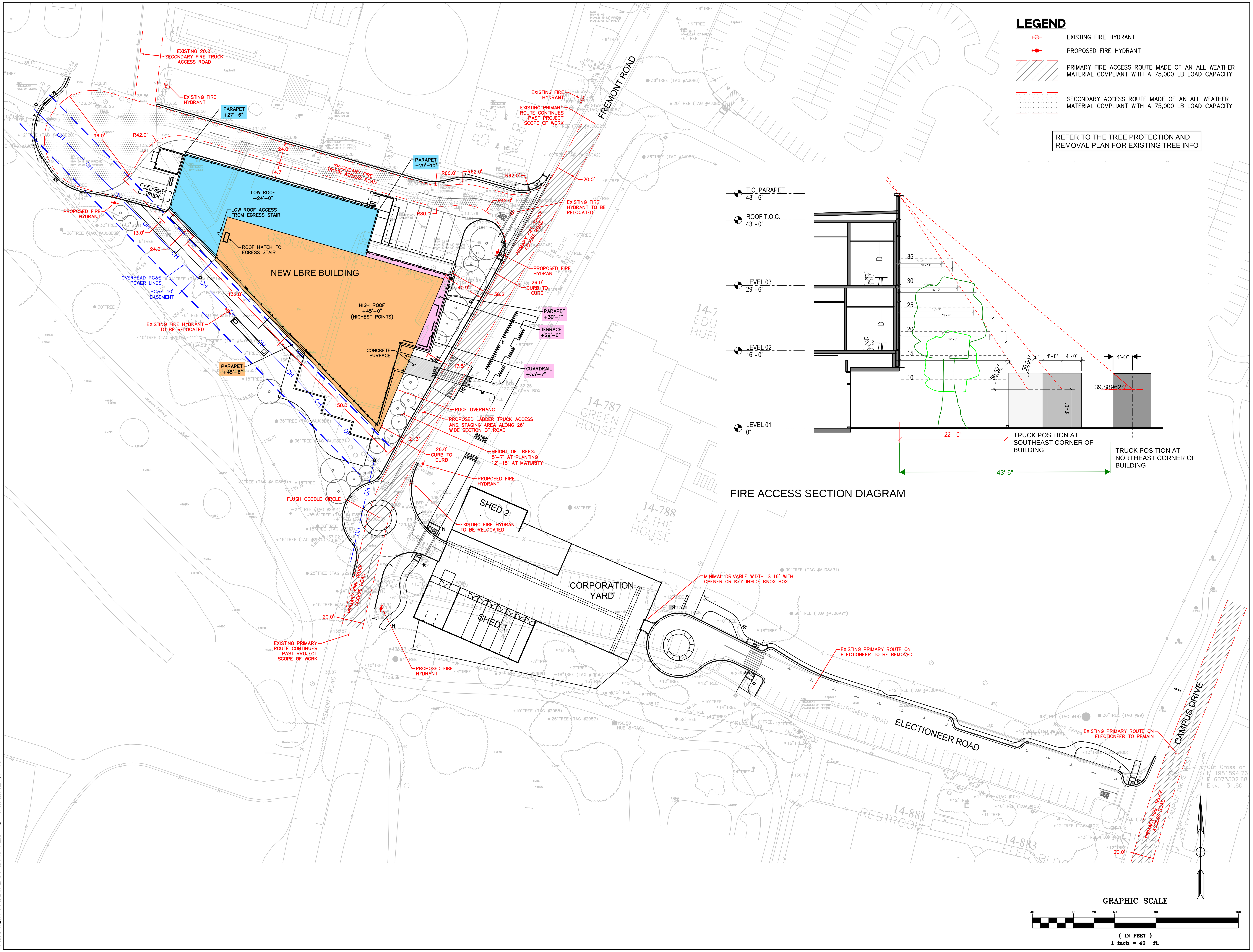

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Drawing Title
ASA FIRE ACCESS PLAN

Revisions
12/11/2020 ASA RESUBMITTAL

Date:	09/15/2020
Job No:	P24785
Drawn By:	CU
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Drawing No.
C8.0

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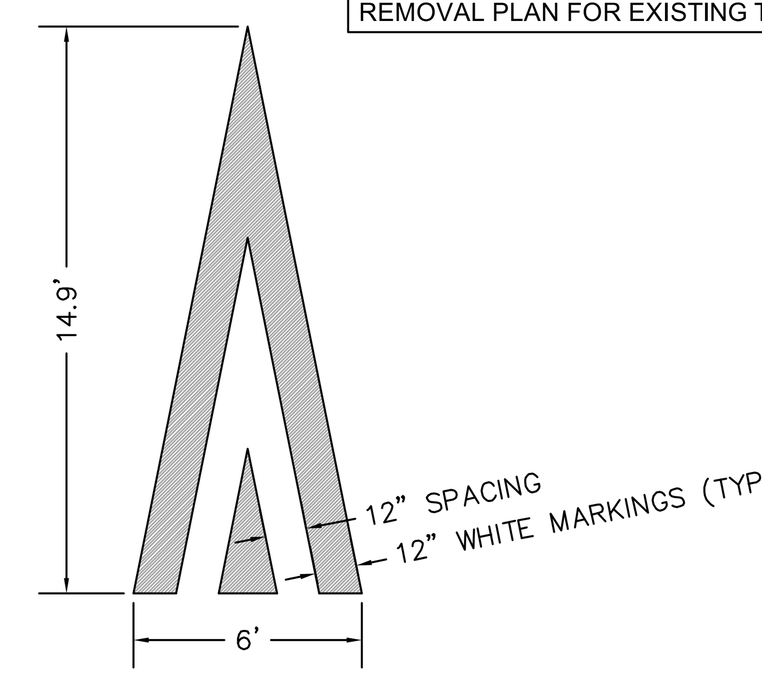
GENERAL NOTES

1. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES PRIOR TO DRILLING.
2. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY THE ENGINEER.
3. ALL SIGNS ARE BASED ON THE 2014 CALIFORNIA MUTCD.
4. ALL EXISTING PAVEMENT DELINEATION IN CONFLICT WITH THESES PLANS SHALL BE REMOVED BY CONTRACTOR.
5. EXACT LOCATION AND POSITION OF PAVEMENT MARKING ARROWS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
6. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
7. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE BY LIGHT SURFACE GRINDING AND APPLICATION OF DOUBLE SEAL COAT.
8. BIKE LANE PAVEMENT MARKINGS TO BE PAINT (NOT THERMOPLASTIC).
9. CROSSWALK BARS SHALL BE PARALLEL TO DIRECTION OF TRAVEL LANE CENTERLINE.

LEGEND

- ✱ EXISTING SIGNS TO REMAIN
- ● REMOVE ROADSIDE SIGN
- ▲ RELOCATE EXISTING ROADSIDE SIGN
- PROPOSED ONE POST SIGN LOCATION
- PROPOSED TWO POST SIGN LOCATION
- EXISTING ONE POST SIGN LOCATION
- EXISTING TWO POST SIGN LOCATION
- (No.) PAVEMENT DELINEATION DETAIL NUMBER
- INSTALL PAVEMENT MARKING
- CHANGE OF PAVEMENT DELINEATION DETAIL

REFER TO THE TREE PROTECTION AND REMOVAL PLAN FOR EXISTING TREE INFO



1 SPEED HUMP PAVEMENT MARKING DETAIL
NTS

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ASA SIGNING AND STRIPING PLAN

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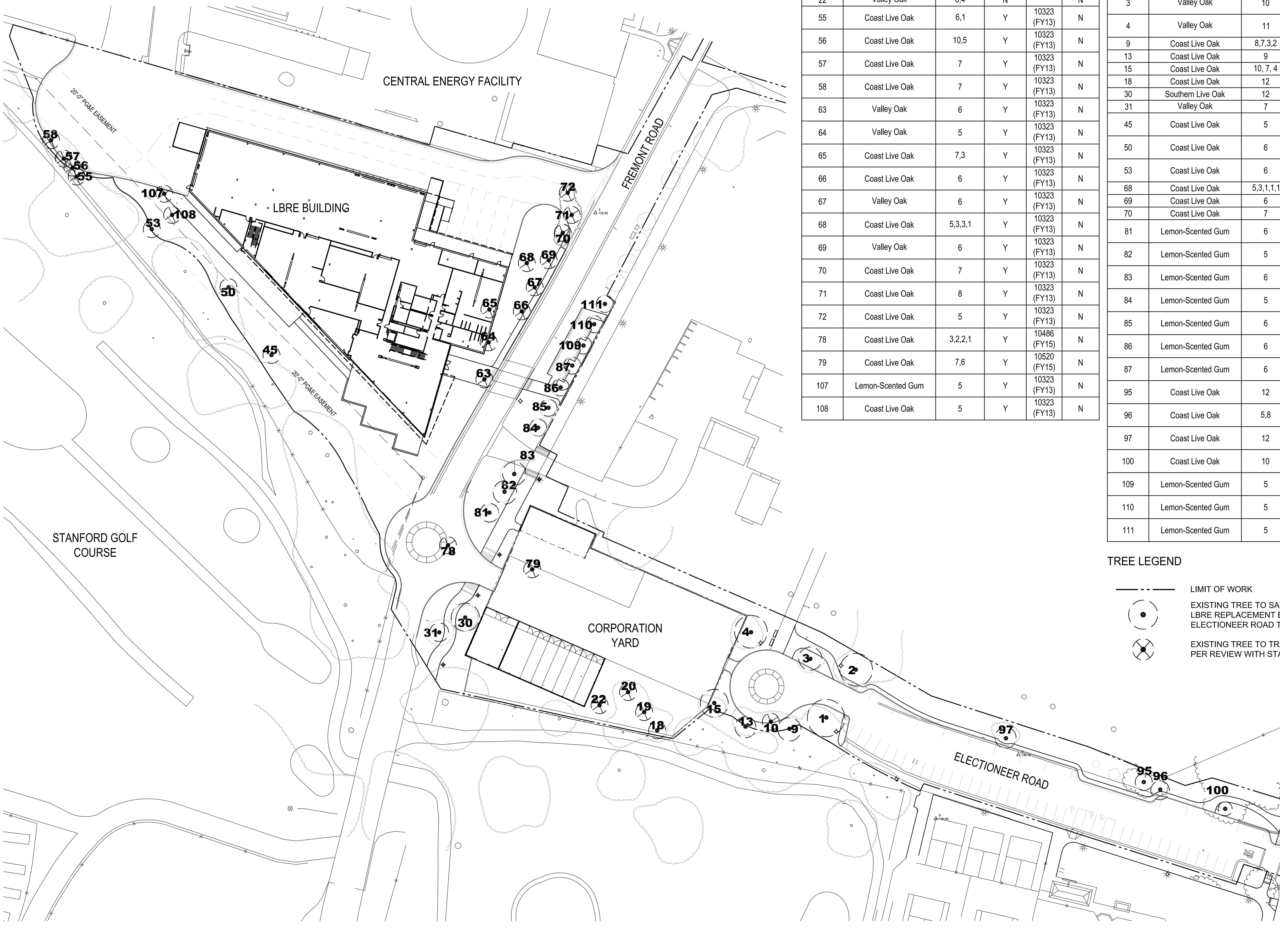
NOTES:
1. STANFORD ARBORIST TO REVIEW TREES TO BE REMOVED TO DETERMINE IF THEY ARE TO BE TRANSPLANTED OR DEMOLISHED, BASED ON HEALTH AND SIZE OF EACH.
2. PROTECTED TREES ARE DEFINED BY THE STANFORD UNIVERSITY 2000 GENERAL USE PERMIT.
3. TREES WITHIN THE LIMIT OF WORK HAVE BEEN REVIEWED WITH ADJACENT PAST ASA PROJECTS INCLUDING:
-REPLACEMENT CENTRAL ENERGY FACILITY: COUNTY FILE #10323 (FY 13)
-EDUCATIONAL FARM: 10520 (FY 15)
-SEARSVILLE PARKING LOT AND MAJOR MODIFICATION: 10486 (FY 15)
-EDUCATIONAL FARM HUFFINGTON BARN: 10520 (FY 17)



TREES TO REMOVE

Tree No.	Species	Diameter (in.)	Shown in Previous ASA	County File #	Protected Tree
10	Cork Oak	13	N		N
19	Southern Live Oak	6	N		N
20	Coast Live Oak	9,8,8,6,3	N		N
22	Valley Oak	6,4	N		N
55	Coast Live Oak	6,1	Y	10323 (FY13)	N
56	Coast Live Oak	10,5	Y	10323 (FY13)	N
57	Coast Live Oak	7	Y	10323 (FY13)	N
58	Coast Live Oak	7	Y	10323 (FY13)	N
63	Valley Oak	6	Y	10323 (FY13)	N
64	Valley Oak	5	Y	10323 (FY13)	N
65	Coast Live Oak	7,3	Y	10323 (FY13)	N
66	Coast Live Oak	6	Y	10323 (FY13)	N
67	Valley Oak	6	Y	10323 (FY13)	N
68	Coast Live Oak	5,3,3,1	Y	10323 (FY13)	N
69	Valley Oak	6	Y	10323 (FY13)	N
70	Coast Live Oak	7	Y	10323 (FY13)	N
71	Coast Live Oak	8	Y	10323 (FY13)	N
72	Coast Live Oak	5	Y	10323 (FY13)	N
78	Coast Live Oak	3,2,2,1	Y	10486 (FY15)	N
79	Coast Live Oak	7,6	Y	10520 (FY15)	N
107	Lemon-Scented Gum	5	Y	10323 (FY13)	N
108	Coast Live Oak	5	Y	10323 (FY13)	N

TREES TO PROTECT IN PLACE

Tree No.	Species	Diameter (in.)	Shown in Previous ASA	County File #	Protected Tree
1	Valley Oak	27	N		N
2	Coast Live Oak	16	Y	10520 (FY15)	Y
3	Valley Oak	10	Y	10520 (FY15)	N
4	Valley Oak	11	Y	10520 (FY15)	N
9	Coast Live Oak	8,7,3,2	N		N
13	Coast Live Oak	9	N		N
15	Coast Live Oak	10, 7, 4	N		N
18	Coast Live Oak	12	N		N
30	Southern Live Oak	12	N		N
31	Valley Oak	7	N		N
45	Coast Live Oak	5	Y	10323 (FY13)	N
50	Coast Live Oak	6	Y	10323 (FY13)	N
53	Coast Live Oak	6	Y	10323 (FY13)	N
68	Coast Live Oak	5,3,1,1,1	N		N
69	Coast Live Oak	6	N		N
70	Coast Live Oak	7	N		N
81	Lemon-Scented Gum	6	Y	10486 (FY15)	N
82	Lemon-Scented Gum	5	Y	10486 (FY15)	N
83	Lemon-Scented Gum	6	Y	10486 (FY15)	N
84	Lemon-Scented Gum	5	Y	10486 (FY15)	N
85	Lemon-Scented Gum	6	Y	10486 (FY15)	N
86	Lemon-Scented Gum	6	Y	10486 (FY15)	N
87	Lemon-Scented Gum	6	Y	10486 (FY15)	N
95	Coast Live Oak	12	Y	10520 (FY15)	N
96	Coast Live Oak	5,8	Y	10520 (FY15)	N
97	Coast Live Oak	12	Y	10520 (FY15)	N
100	Coast Live Oak	10	Y	10520 (FY15)	N
109	Lemon-Scented Gum	5	Y	10486 (FY15)	N
110	Lemon-Scented Gum	5	Y	10486 (FY15)	N
111	Lemon-Scented Gum	5	Y	10486 (FY15)	N

TREE LEGEND

LIMIT OF WORK

EXISTING TREE TO SAVE IN PLACE PER STANFORD LBRE REPLACEMENT BUILDING FREMONT & ELECTIONEER ROAD TREE SURVEY 2019

EXISTING TREE TO TRANSPLANT OR DEMOLISH PER REVIEW WITH STANFORD ARBORIST

SCALE: 1" = 40'-0"

0 20' 40' 80'

N

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Drawing Title

TREE PROTECTION AND REMOVAL PLAN

Revisions

12/11/2020 ASA RESUBMITTAL

Date:	02/19/2020
Job No:	P24785
Drawn By:	KB
Checked By:	BW

Drawing No.

L1.1

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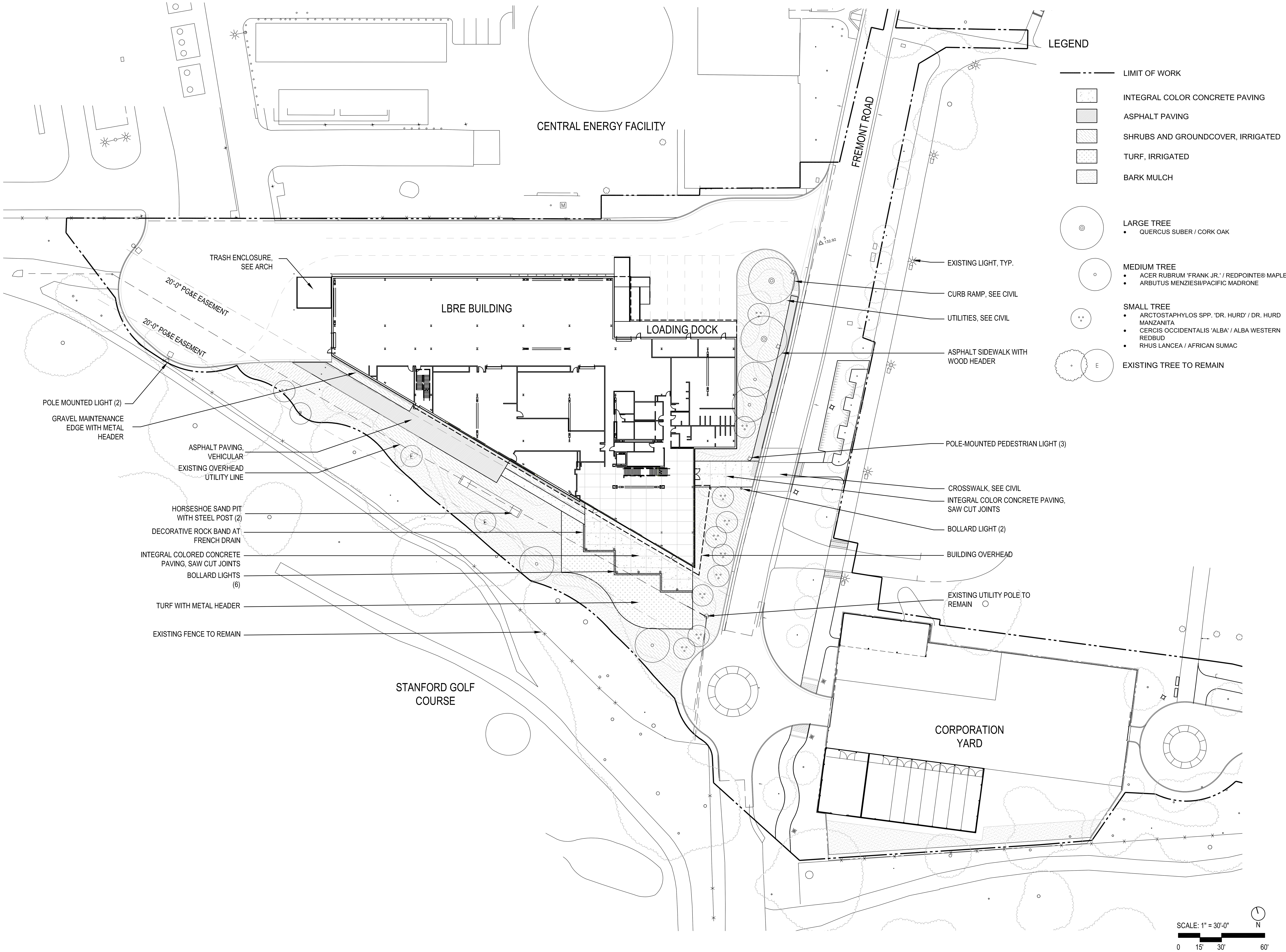

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Drawing Title

SITE MATERIALS AND PLANTING PLAN- LBRE BUILDING AND CORPORATION YARD

Revisions

09/30/2020 ASA RESUBMITTAL

12/11/2020 ASA RESUBMITTAL

Date:	02/19/2020
Job No:	P24785
Drawn By:	KB
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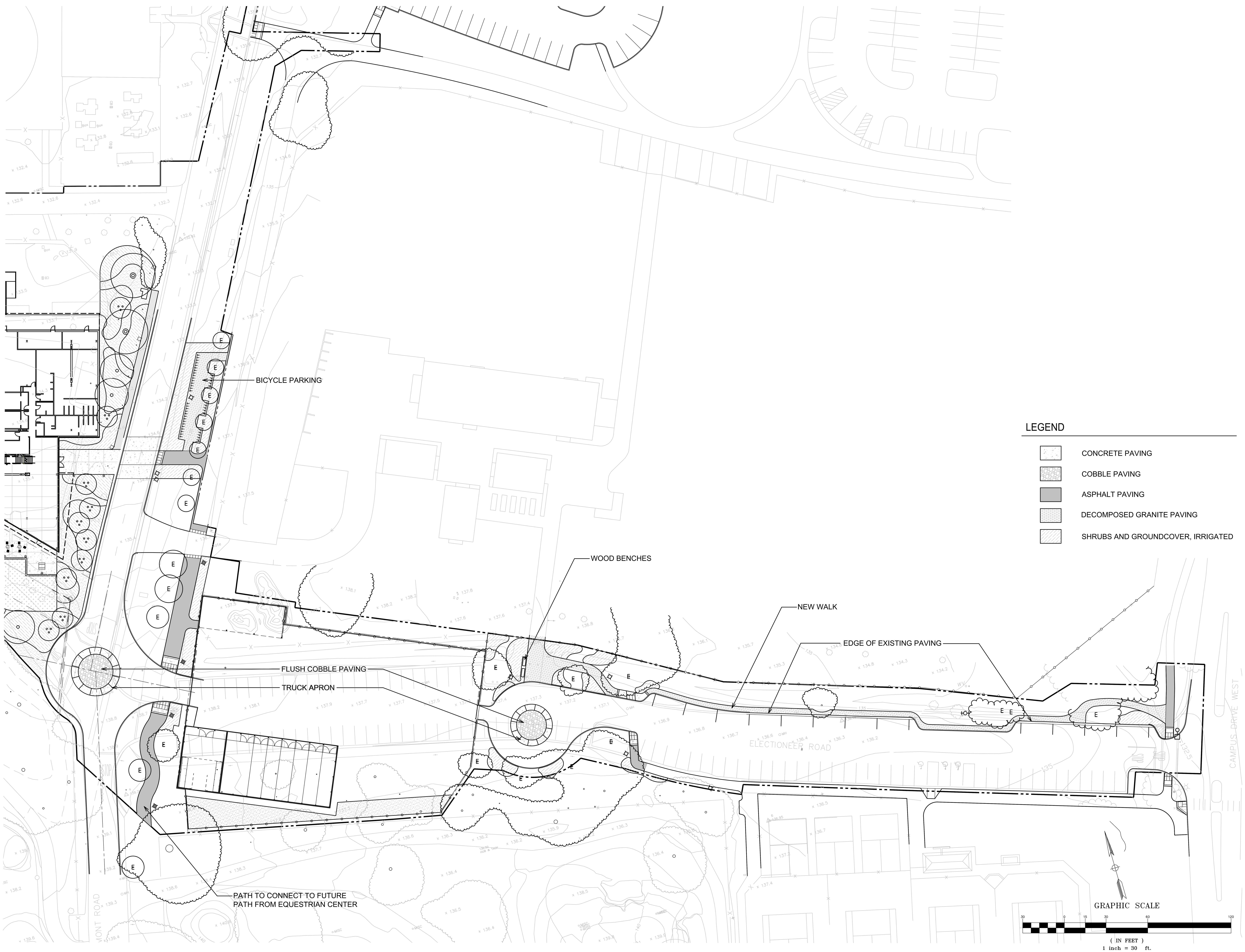

LEGEND

- CONCRETE PAVING
- COBBLE PAVING
- ASPHALT PAVING
- DECOMPOSED GRANITE PAVING
- SHRUBS AND GROUNDCOVER, IRRIGATED

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SITE MATERIALS & PLANTING PLAN FREMONT & ELECTIONEER ROADS

Revisions

09/30/2020 ASA RESUBMITTAL
12/11/2020 ASA RESUBMITTAL

Date: 02/19/2020
Job No: P24785
Drawn By: J.F.
Checked By: S.S.

Drawing No.

L2.2

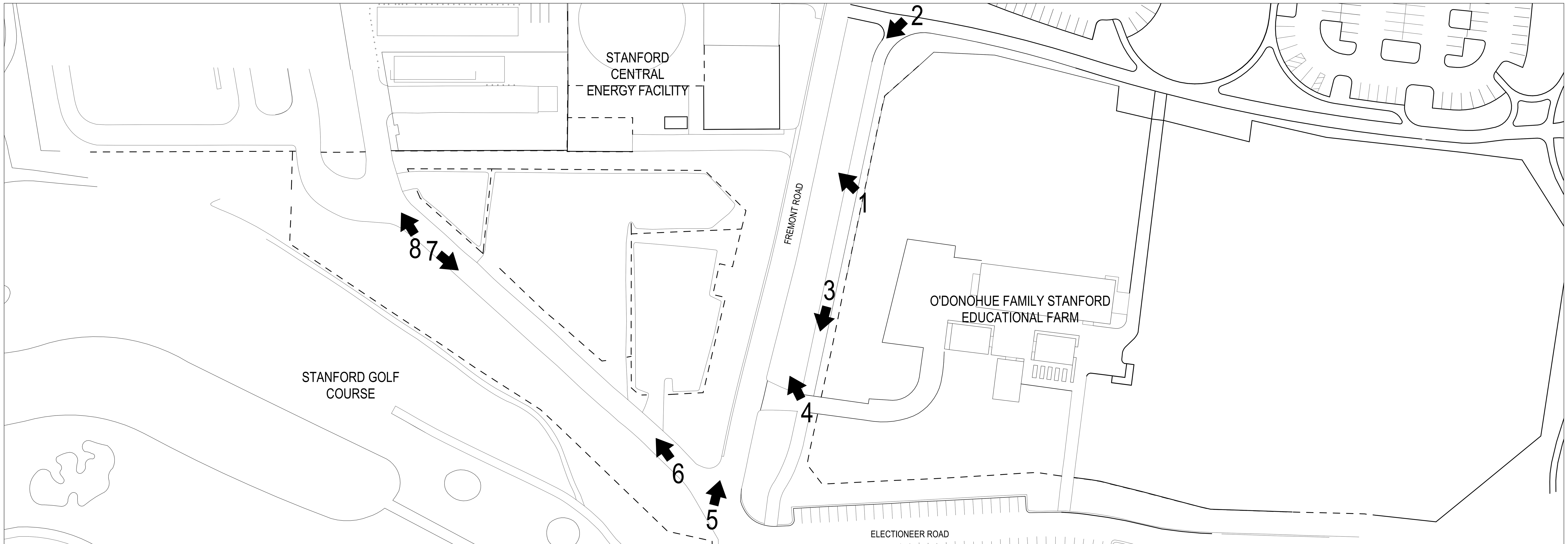
ASA SUBMITTAL

1 FREMONT ROAD LOOKING NORTH EAST CORNER OF SITE

2 FREMONT ROAD LOOKING SOUTH WEST

3 FREMONT ROAD LOOKING SOUTH

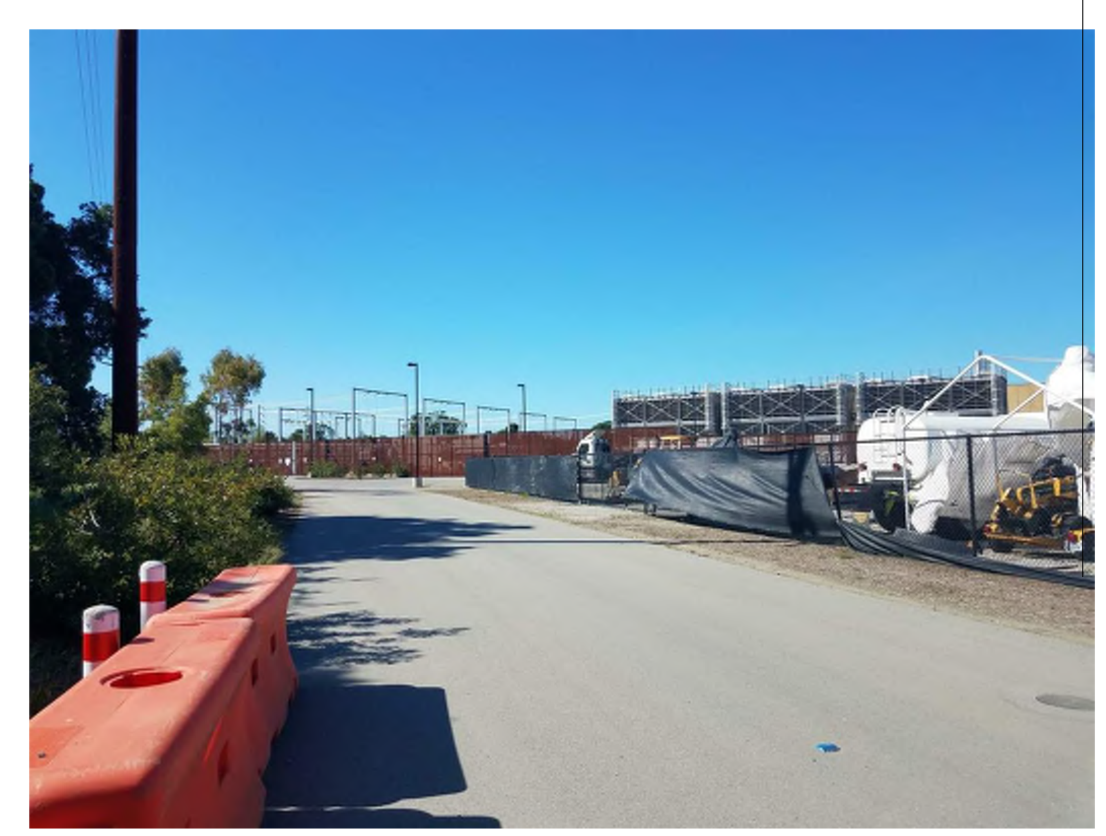
4 FREMONT ROAD LOOKING SITE



5 FREMONT ROAD LOOKING NORTH AT SW CORNER OF SITE

6 SITE SOUTH WEST CORNER LOOKING NORTH EAST

7 SITE EAST LOOKING SOUTH WEST



8 SITE EAST LOOKING NORTH

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P24785 - STANFORD LBRE

Drawing Title

EXISTING SITE PHOTOS - LBRE BUILDING

Revisions

09/30/2020	ASA RESUBMITTAL
12/11/2020	ASA RESUBMITTAL

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Job No:	P24785
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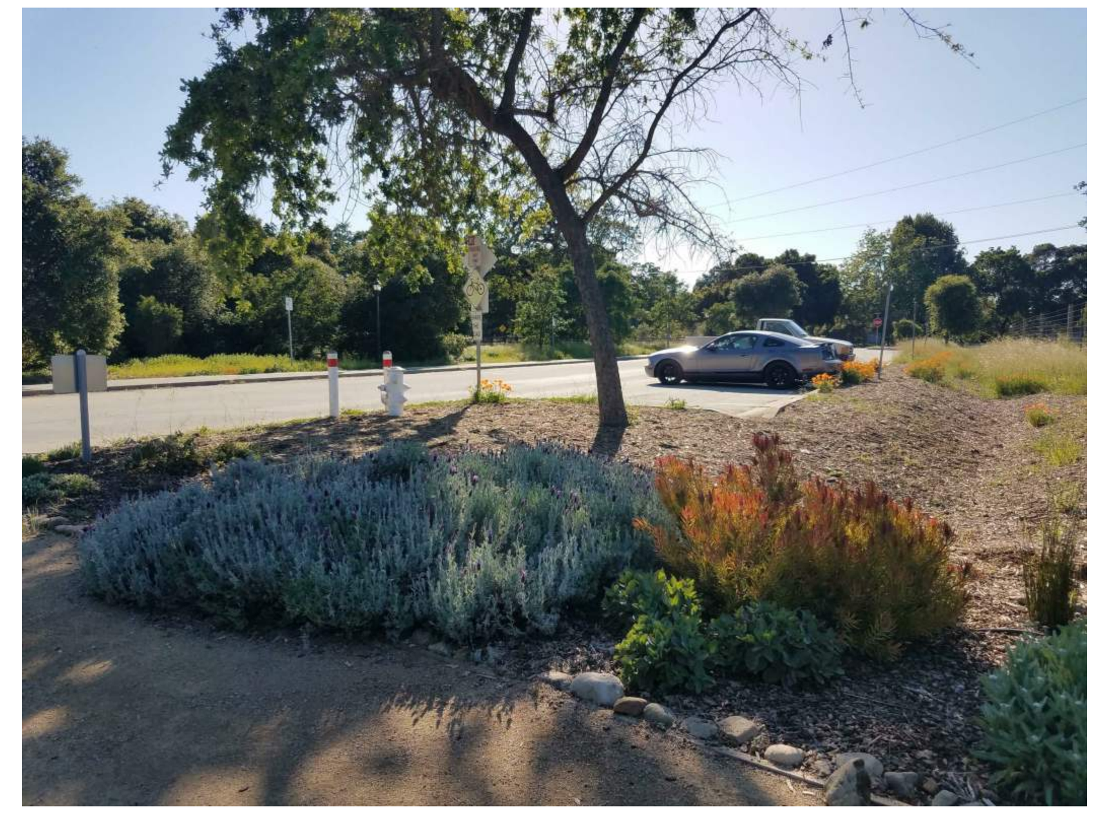
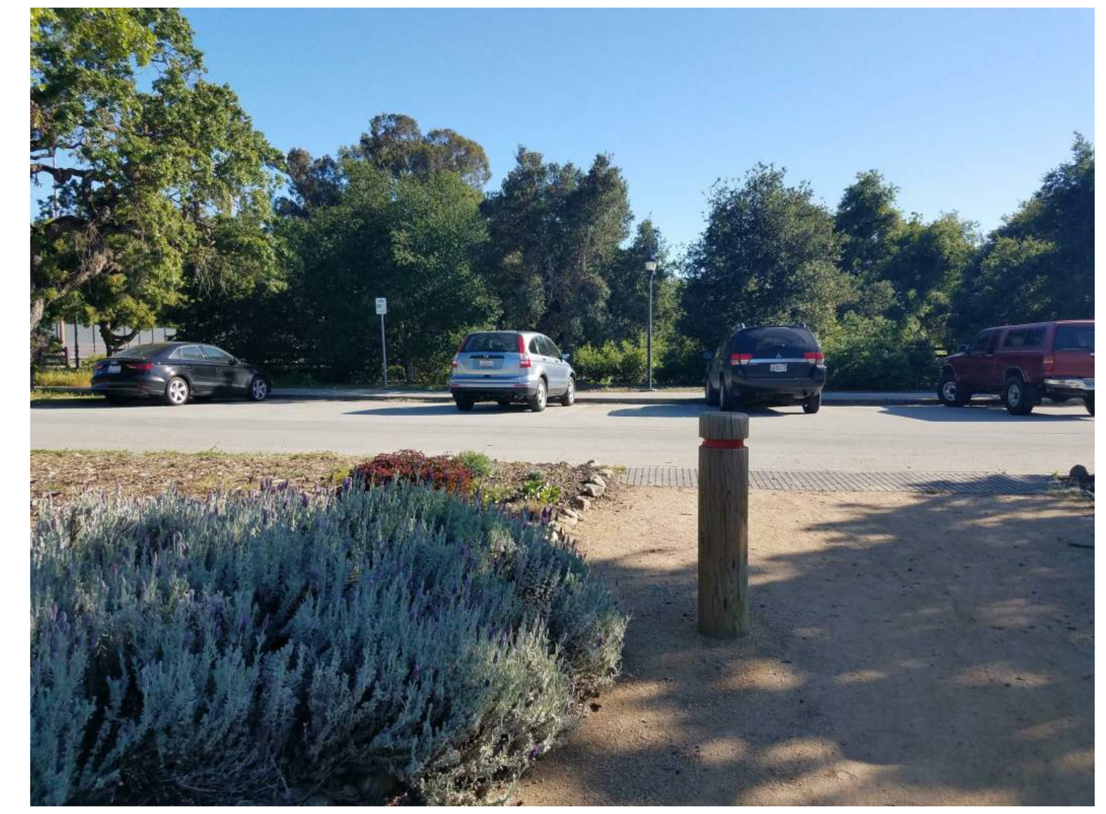
1 FREMONT ROAD LOOKING NORTH

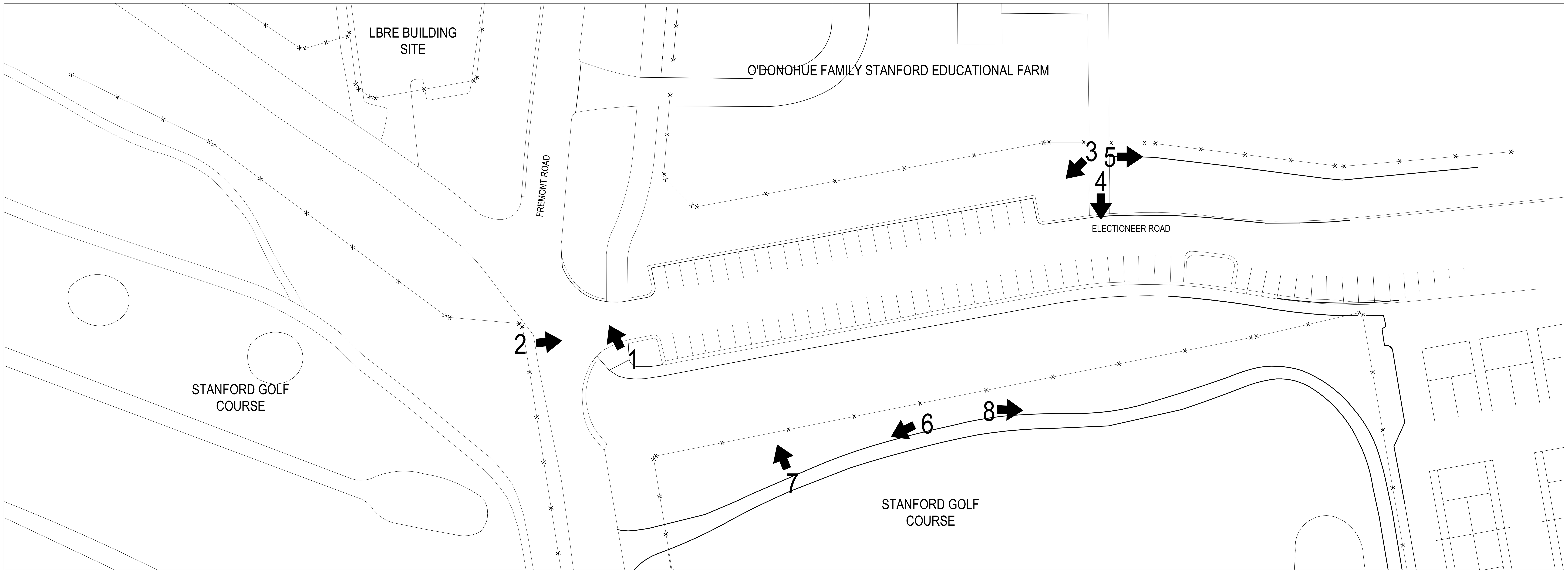
2 SITE FROM FREMONT ROAD

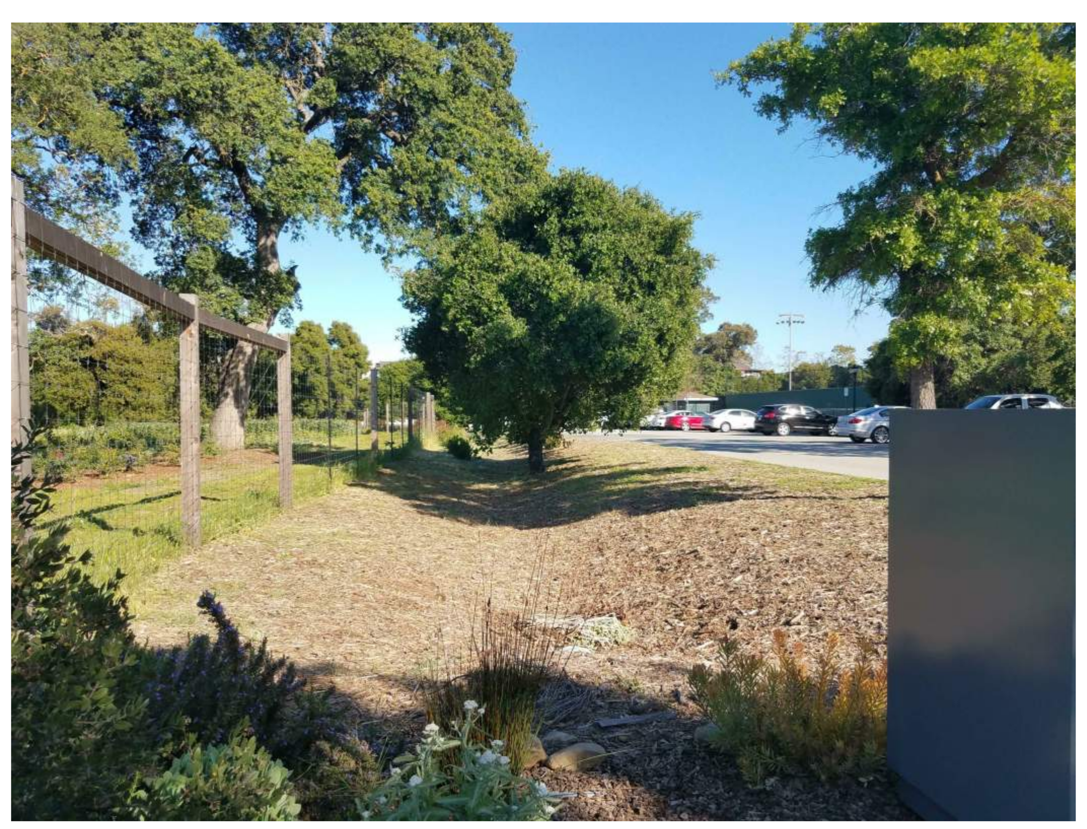


3 SITE LOOKING WEST



4 SITE LOOKING SOUTH

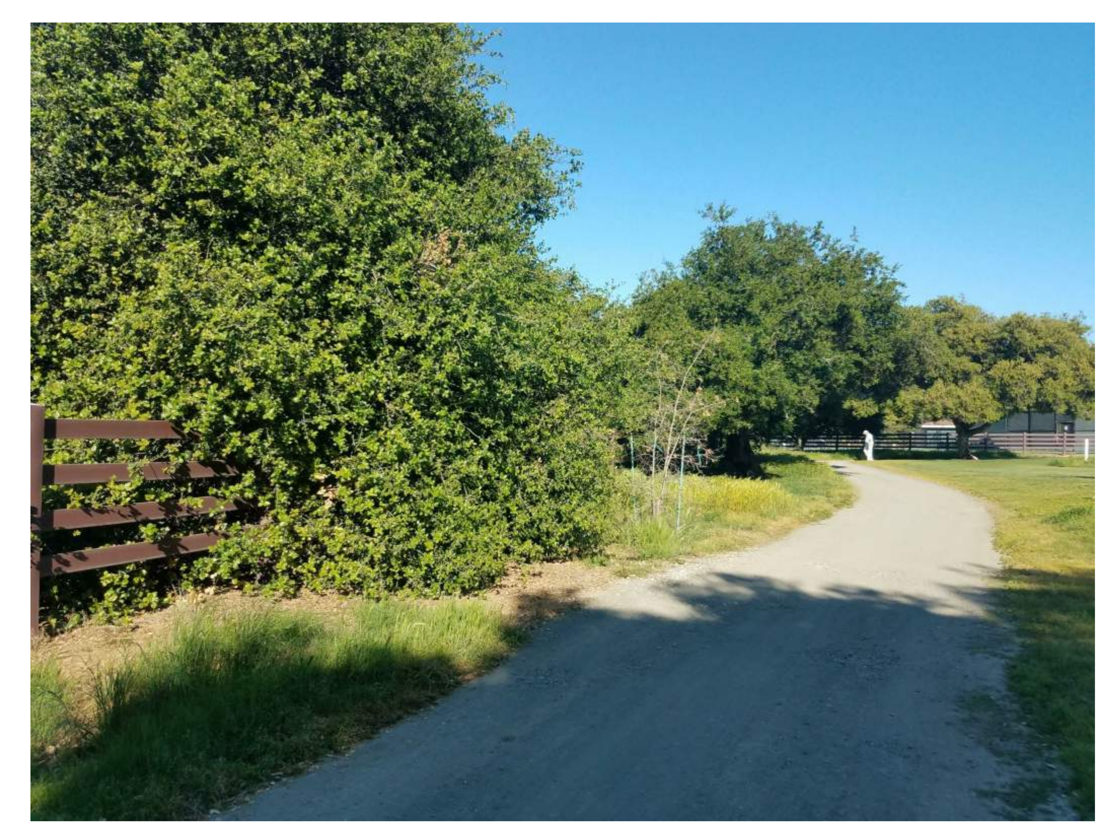




5 SITE LOOKING EAST

6 GOLF COURSE LOOKING WEST

7 GOLF COURSE LOOKING NORTH (SITE)



8 GOLF COURSE LOOKING EAST

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EXISTING SITE PHOTOS - CORPORATION YARD

Revisions

09/30/2020	ASA RESUBMITTAL
12/11/2020	ASA RESUBMITTAL

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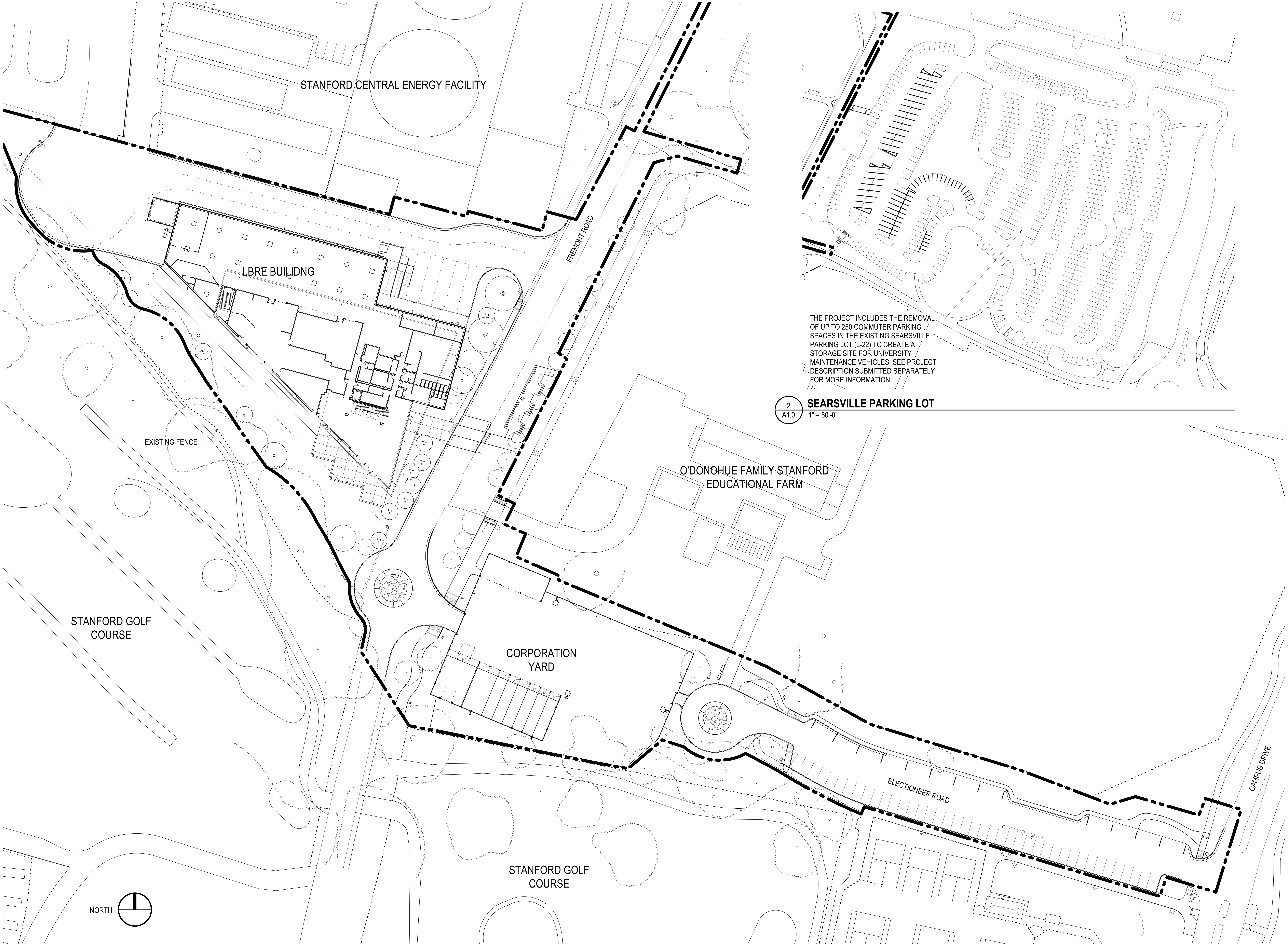

2 A1.0 **SEARSVILLE PARKING LOT**
1" = 80'-0"

1 A1.0 **SITE PLAN**
1" = 40'-0"

FOR SPECIFIC PLANTING PLAN SEE L2.1 and L2.2.

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SITE PLAN

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09/30/2020	ASA RESUBMITTAL
12/11/2020	ASA RESUBMITTAL

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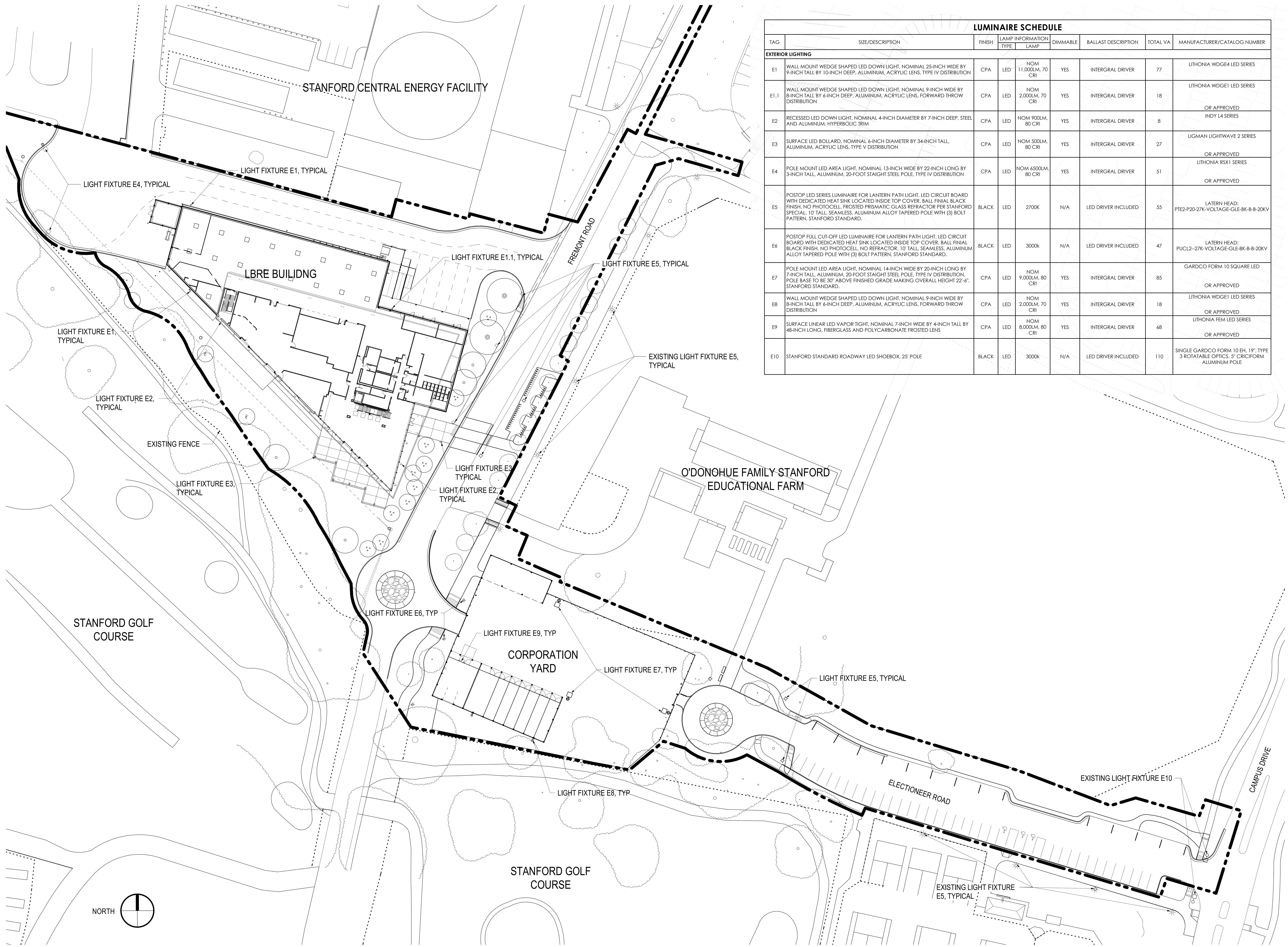

LUMINAIRE SCHEDULE

TAG	SIZE/DESCRIPTION	FINISH	LAMP INFORMATION		DIMMABLE	BALLAST DESCRIPTION	TOTAL VA	MANUFACTURER/CATALOG NUMBER
			TYPE	LAMP				
EXTERIOR LIGHTING								
E1	WALL MOUNT WEDGE SHAPED LED DOWN LIGHT, NOMINAL 25-INCH WIDE BY 9-INCH TALL BY 10-INCH DEEP, ALUMINUM, ACRYLIC LENS, TYPE IV DISTRIBUTION	CPA	LED	NOM 11,000LM, 70 CRI	YES	INTERGRAL DRIVER	77	LITHONIA WDGE4 LED SERIES
E1.1	WALL MOUNT WEDGE SHAPED LED DOWN LIGHT, NOMINAL 9-INCH WIDE BY 8-INCH TALL BY 6-INCH DEEP, ALUMINUM, ACRYLIC LENS, FORWARD THROW DISTRIBUTION	CPA	LED	NOM 2,000LM, 70 CRI	YES	INTERGRAL DRIVER	18	LITHONIA WDGE1 LED SERIES OR APPROVED
E2	RECESSED LED DOWN LIGHT, NOMINAL 4-INCH DIAMETER BY 7-INCH DEEP, STEEL AND ALUMINUM, HYPERBOLIC TRIM	CPA	LED	NOM 900LM, 80 CRI	YES	INTERGRAL DRIVER	8	INDY L4 SERIES
E3	SURFACE LED BOLLARD, NOMINAL 6-INCH DIAMETER BY 34-INCH TALL, ALUMINUM, ACRYLIC LENS, TYPE V DISTRIBUTION	CPA	LED	NOM 500LM, 80 CRI	YES	INTERGRAL DRIVER	27	LIGMAN LIGHTWAVE 2 SERIES OR APPROVED
E4	POLE MOUNT LED AREA LIGHT, NOMINAL 13-INCH WIDE BY 22-INCH LONG BY 3-INCH TALL, ALUMINUM, 20-FOOT STAIGHT STEEL POLE, TYPE IV DISTRIBUTION	CPA	LED	NOM 6500LM, 80 CRI	YES	INTERGRAL DRIVER	51	LITHONIA RSX1 SERIES OR APPROVED
E5	POSTOP LED SERIES LUMINAIRE FOR LANTERN PATH LIGHT. LED CIRCUIT BOARD WITH DEDICATED HEAT SINK LOCATED INSIDE TOP COVER. BALL FINIAL BLACK FINISH. NO PHOTOCELL. FROSTED PRISMATIC GLASS REFRACTOR PER STANFORD SPECIAL. 10' TALL, SEAMLESS, ALUMINUM ALLOY TAPERED POLE WITH (3) BOLT PATTERN, STANFORD STANDARD.	BLACK	LED	2700K	N/A	LED DRIVER INCLUDED	55	LATERN HEAD: PTE2-P20-27K-VOLTAGE-GLE-BK-B-B-20KV
E6	POSTOP FULL CUT-OFF LED LUMINAIRE FOR LANTERN PATH LIGHT. LED CIRCUIT BOARD WITH DEDICATED HEAT SINK LOCATED INSIDE TOP COVER. BALL FINIAL BLACK FINISH. NO PHOTOCELL. NO REFRACTOR. 10' TALL, SEAMLESS, ALUMINUM ALLOY TAPERED POLE WITH (3) BOLT PATTERN, STANFORD STANDARD.	BLACK	LED	3000k	N/A	LED DRIVER INCLUDED	47	LATERN HEAD: PUCL2--27K-VOLTAGE-GLE-BK-B-B-20KV
E7	POLE MOUNT LED AREA LIGHT, NOMINAL 14-INCH WIDE BY 20-INCH LONG BY 7-INCH TALL, ALUMINUM, 20-FOOT STAIGHT STEEL POLE, TYPE IV DISTRIBUTION, POLE BASE TO BE 30" ABOVE FINISHED GRADE MAKING OVERALL HEIGHT 22'-6". STANFORD STANDARD.	CPA	LED	NOM 9,000LM, 80 CRI	YES	INTERGRAL DRIVER	85	GARDCO FORM 10 SQUARE LED OR APPROVED
E8	WALL MOUNT WEDGE SHAPED LED DOWN LIGHT, NOMINAL 9-INCH WIDE BY 8-INCH TALL BY 6-INCH DEEP, ALUMINUM, ACRYLIC LENS, FORWARD THROW DISTRIBUTION	CPA	LED	NOM 2,000LM, 70 CRI	YES	INTERGRAL DRIVER	18	LITHONIA WDGE1 LED SERIES OR APPROVED
E9	SURFACE LINEAR LED VAPOR TIGHT, NOMINAL 7-INCH WIDE BY 4-INCH TALL BY 48-INCH LONG, FIBERGLASS AND POLYCARBONATE FROSTED LENS	CPA	LED	NOM 8,000LM, 80 CRI	YES	INTERGRAL DRIVER	68	LITHONIA FEM LED SERIES OR APPROVED
E10	STANFORD STANDARD ROADWAY LED SHOEBOX, 25' POLE	BLACK	LED	3000k	N/A	LED DRIVER INCLUDED	110	SINGLE GARDCO FORM 10 EH, 19", TYPE 3 ROTATABLE OPTICS. 5" CRICIFORM ALUMINUM POLE

1 / A1.1 **SITE PLAN**
1" = 40'-0"

FOR SPECIFIC PLANTING PLAN SEE L2.1 and L2.2.

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SITE PLAN WITH LIGHTING

Revisions

09/30/2020 ASA RESUBMITTAL
12/11/2020 ASA RESUBMITTAL

Date:	05/15/2020
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Drawn By:	Author
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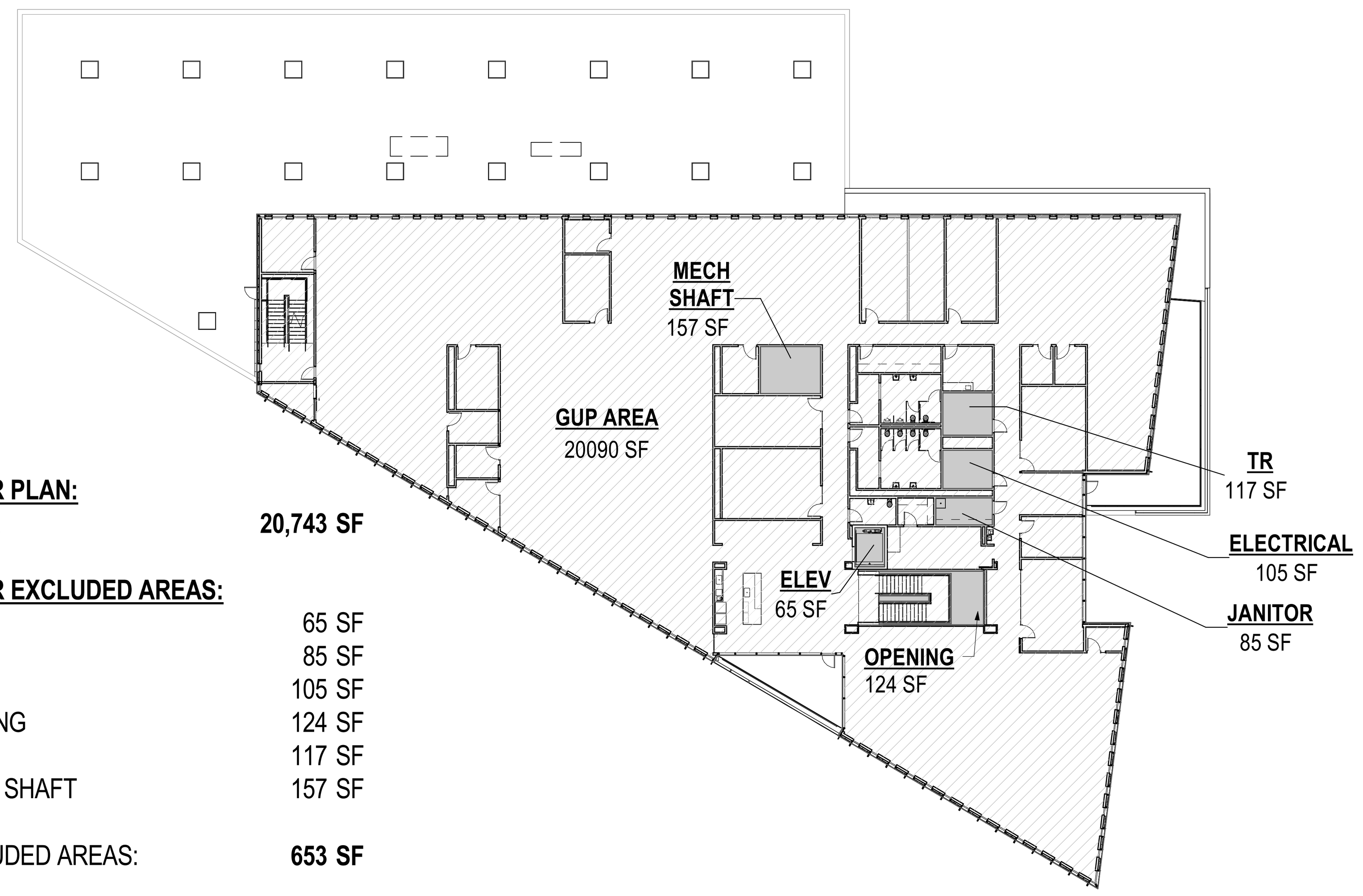


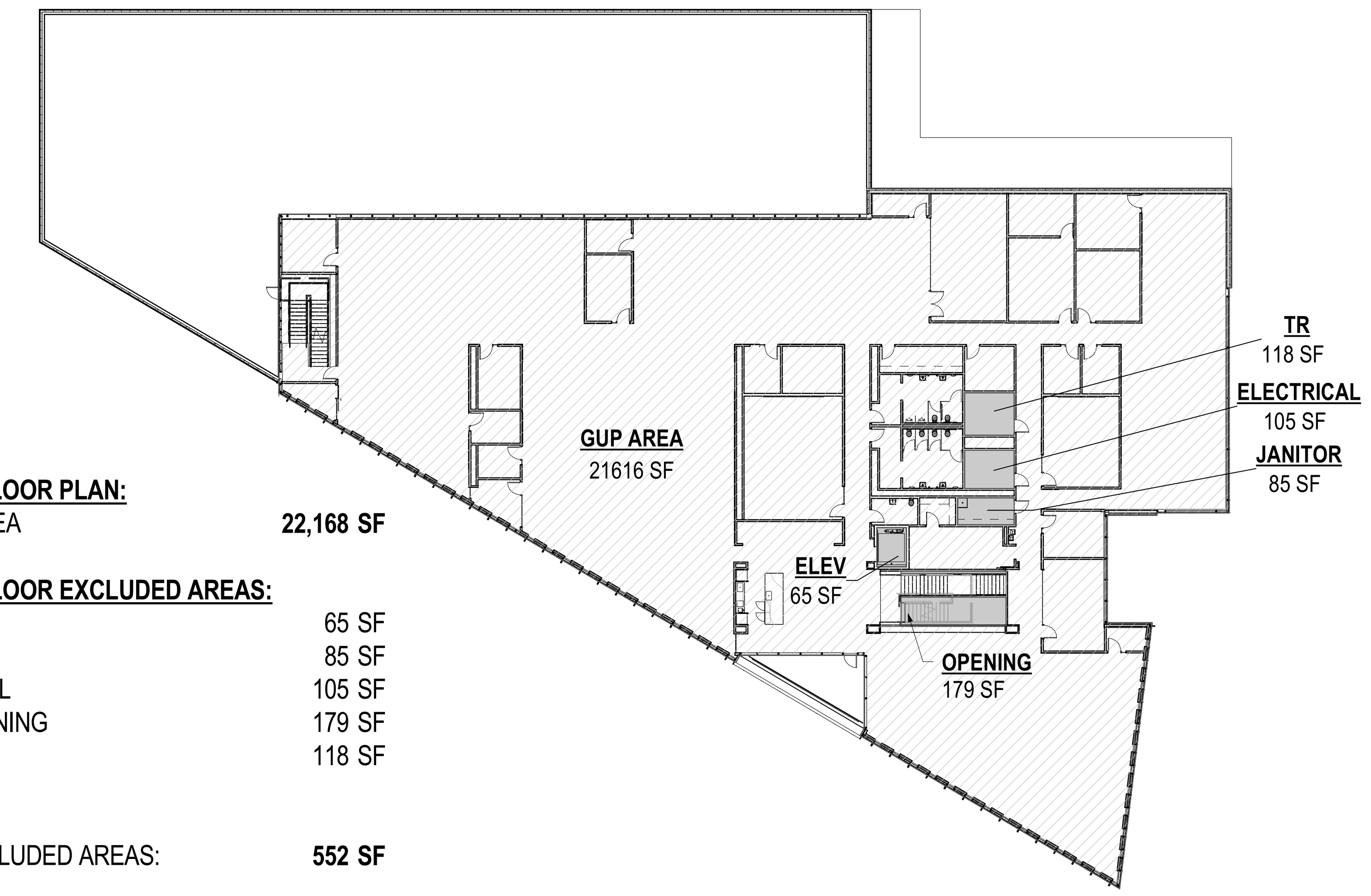
THIRD FLOOR PLAN:
GROSS AREA **20,743 SF**

THIRD FLOOR EXCLUDED AREAS:

ELEVATOR	65 SF
JANITOR	85 SF
ELECTRICAL	105 SF
STAIR OPENING	124 SF
TR	117 SF
MECHANICAL SHAFT	157 SF
TOTAL EXCLUDED AREAS:	**653 SF**

THIRD GUP AREA:
TOTAL GUP AREA **20,090 SF**

3 A2.0 LBRE BUILDING - THIRD FLOOR
1/32" = 1'-0"



SECOND FLOOR PLAN:
GROSS AREA **22,168 SF**

SECOND FLOOR EXCLUDED AREAS:

ELEVATOR	65 SF
JANITOR	85 SF
ELECTRICAL	105 SF
STAIR OPENING	179 SF
TR	118 SF
TOTAL EXCLUDED AREAS:	**552 SF**

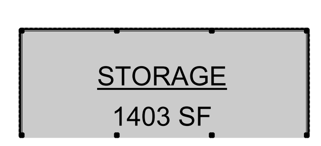
SECOND GUP AREA:
TOTAL GUP AREA **21,616 SF**

2 A2.0 LBRE BUILDING - SECOND FLOOR
1/32" = 1'-0"

Bldg	Building Address	Gross SF	Excluded SF	GUP SF	Notes
NEW CONSTRUCTION - GUP TABULATION					
New LBRE Building					
	560 Fremont - First Floor	32,278	1,039	31,239	
	560 Fremont - Second Floor	22,168	552	21,616	
	560 Fremont - Third Floor	20,743	653	20,090	
	TOTAL:	75,189	2,244	**72,945**	
Corporation Yard - Shed 1					
	571 Fremont - First Floor	4,995	4,995	**0**	Unenclosed structure: Not counted per GUP definition
Corporation Yard - Shed 2					
	567 Fremont - First Floor	1,403	1,403	**0**	Unenclosed structure: Not counted per GUP definition
BONAIR DEMO - GUP CREDIT TABULATION					
All Bonair Structures		**Gross SF**	**Excluded SF**	**GUP SF**	**Notes**
	TOTAL:	-128,972.50	5,050.50	**-123,922**	See supplemental Bonair GUP SF evaluations submitted with ASA package
PROJECT TOTAL					
	NET GUP IMPACT:			**-50,977**	

FIRST FLOOR PLAN:
GROSS AREA **1,403 SF**

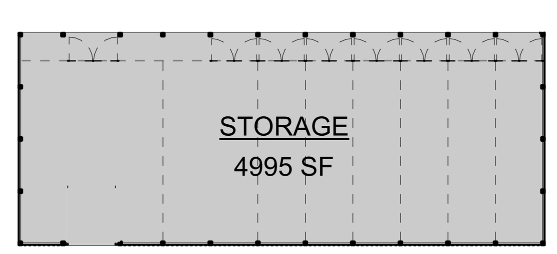
FIRST GUP AREA:
TOTAL GUP AREA **0 SF**



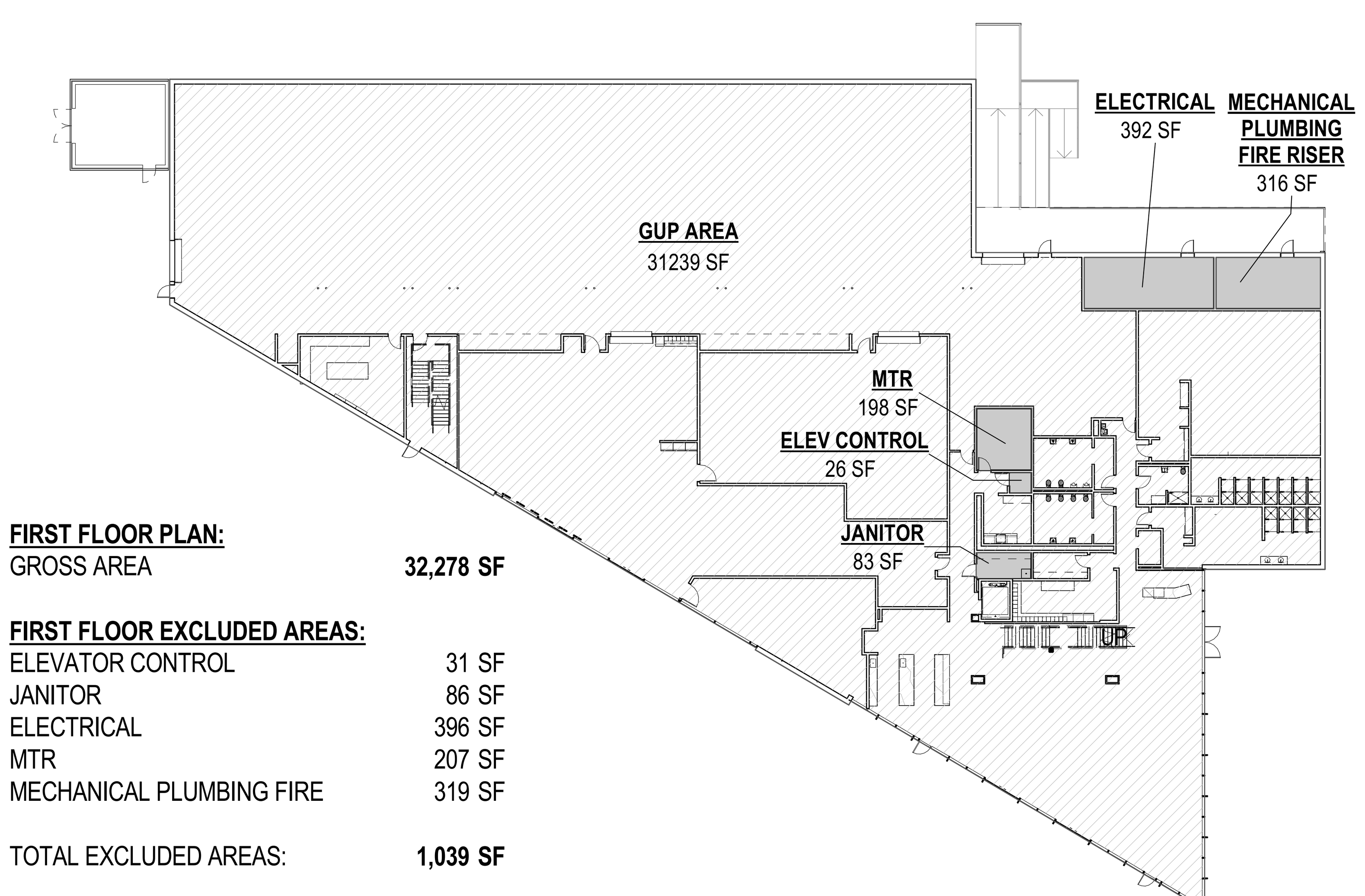
5 A2.0 CORPORATION YARD - SHED 1
1/32" = 1'-0"

FIRST FLOOR PLAN:
GROSS AREA **4,995 SF**

FIRST GUP AREA:
TOTAL GUP AREA **0 SF**



4 A2.0 CORPORATION YARD - SHED 2
1/32" = 1'-0"



FIRST FLOOR PLAN:
GROSS AREA **32,278 SF**

FIRST FLOOR EXCLUDED AREAS:

ELEVATOR CONTROL	31 SF
JANITOR	86 SF
ELECTRICAL	396 SF
MTR	207 SF
MECHANICAL PLUMBING FIRE	319 SF
TOTAL EXCLUDED AREAS:	**1,039 SF**

FIRST GUP AREA:
TOTAL GUP AREA **31,239 SF**

1 A2.0 LBRE BUILDING - FIRST FLOOR
1/32" = 1'-0"

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GUP SF PLANS

Revisions

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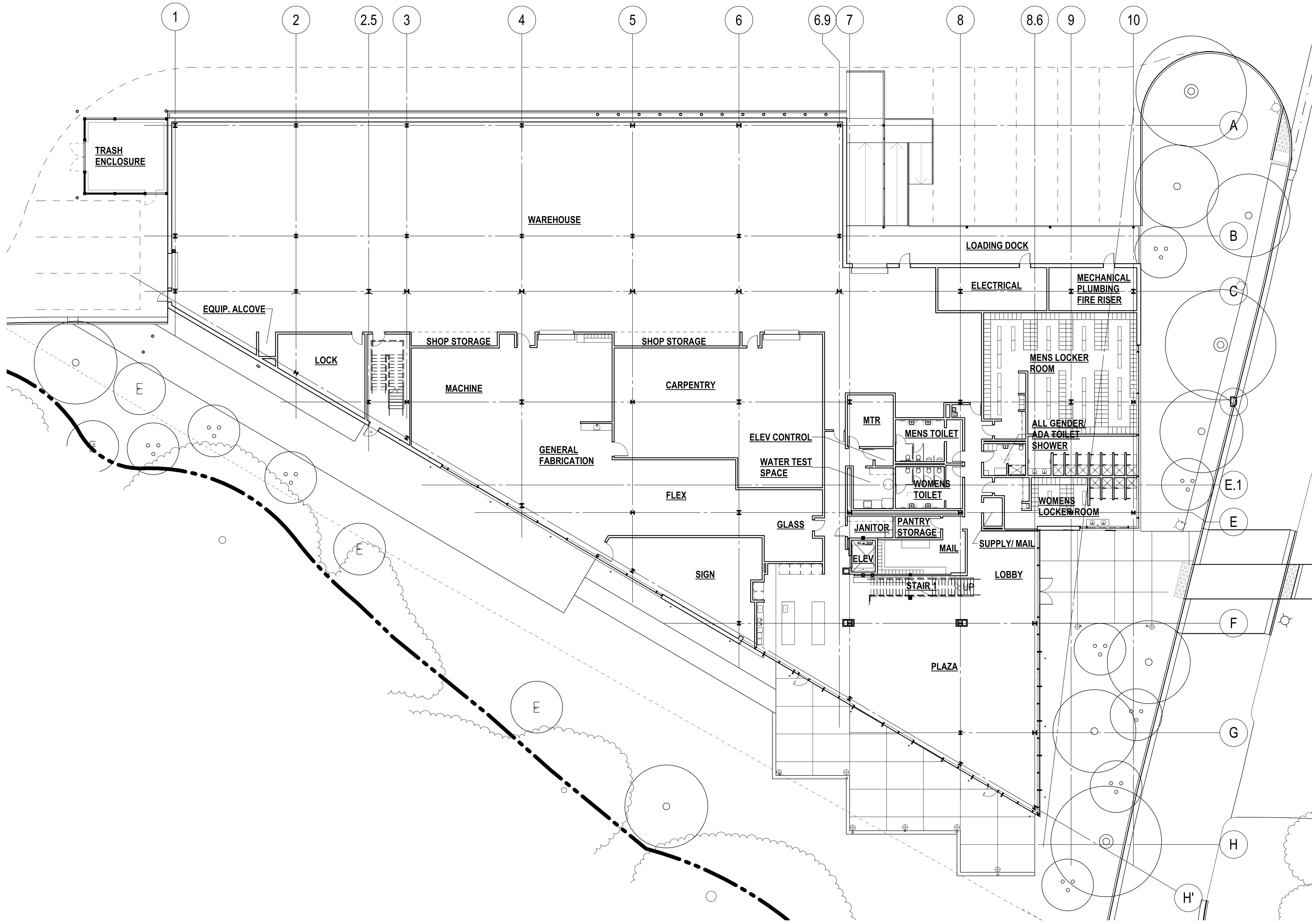

1
A2.1
LBRE BUILDING - LEVEL 1 PLAN
1/16" = 1'-0"

NORTH

FOR SPECIFIC PLANTING PLAN SEE L2.1 and L2.2.

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PLAN, LEVEL 1 - LBRE BUILDING

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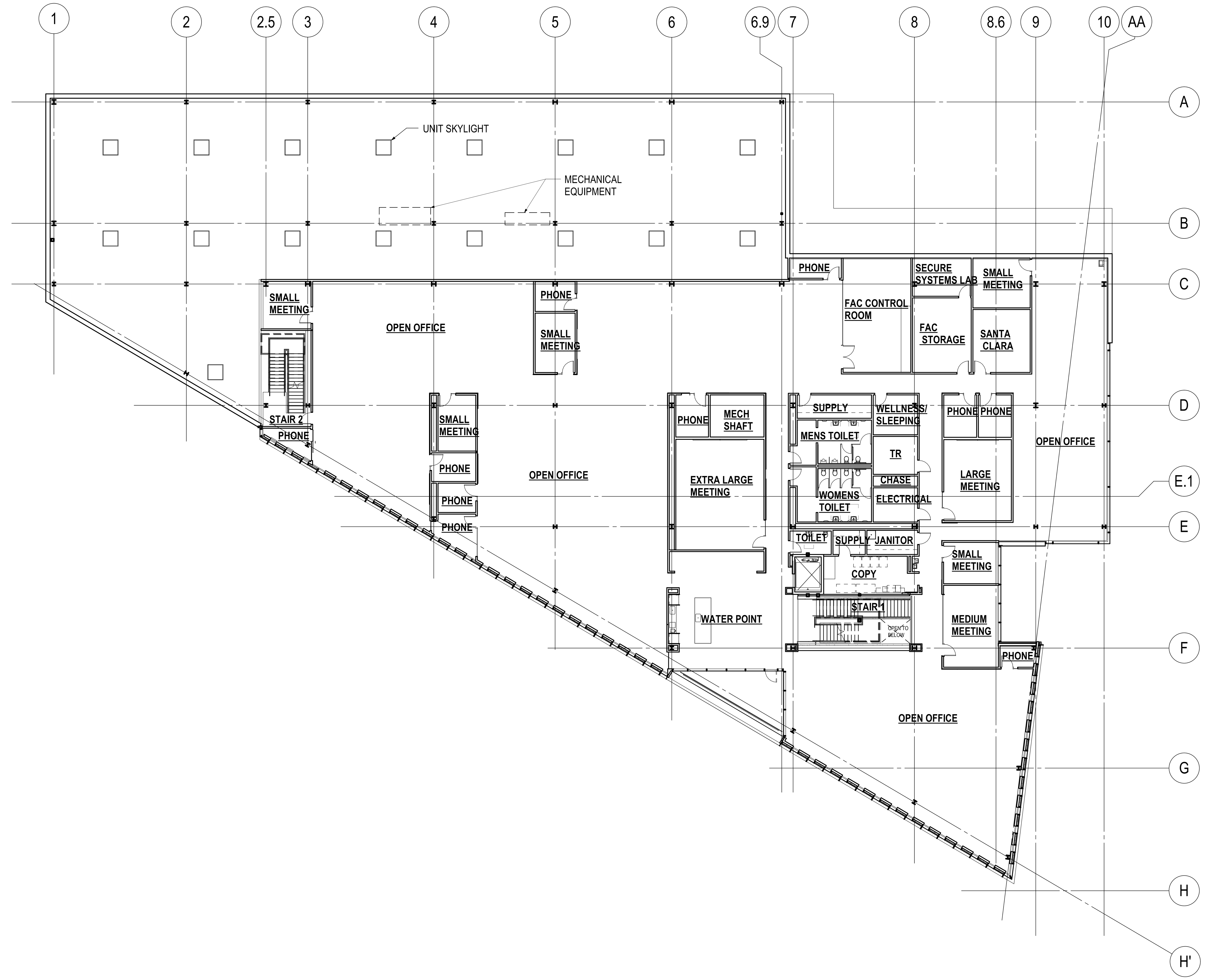

1 A2.2 **LBRE BUILDING - LEVEL 2 PLAN**
1/16" = 1'-0"

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PLAN, LEVEL 2 - LBRE BUILDING

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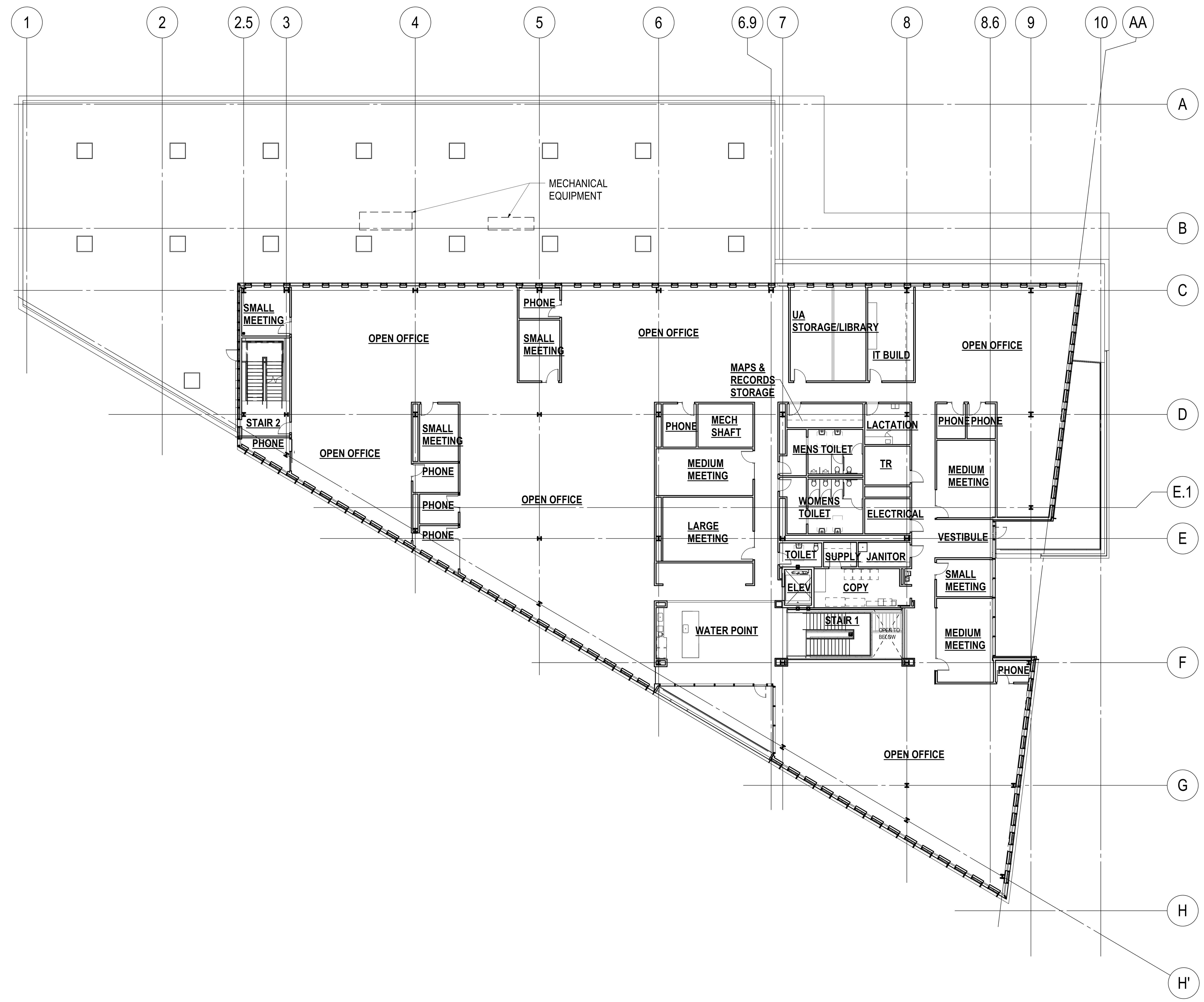

1 A2.3 **LBRE BUILDING - LEVEL 3 PLAN**
1/16" = 1'-0"

NORTH

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PLAN, LEVEL 3 - LBRE BUILDING

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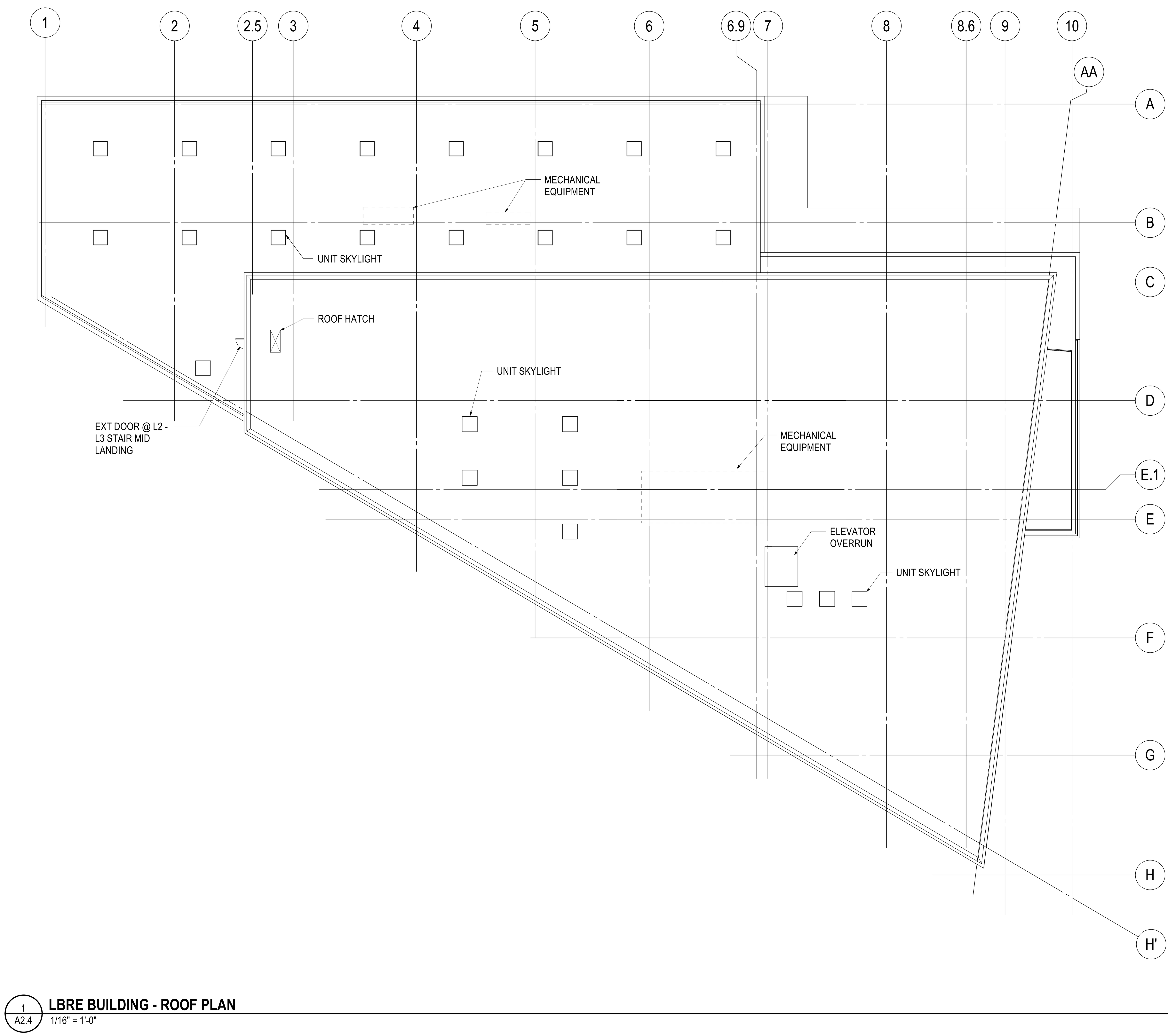

1 A2.4 **LBRE BUILDING - ROOF PLAN**
1/16" = 1'-0"

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PLAN, ROOF - LBRE BUILDING

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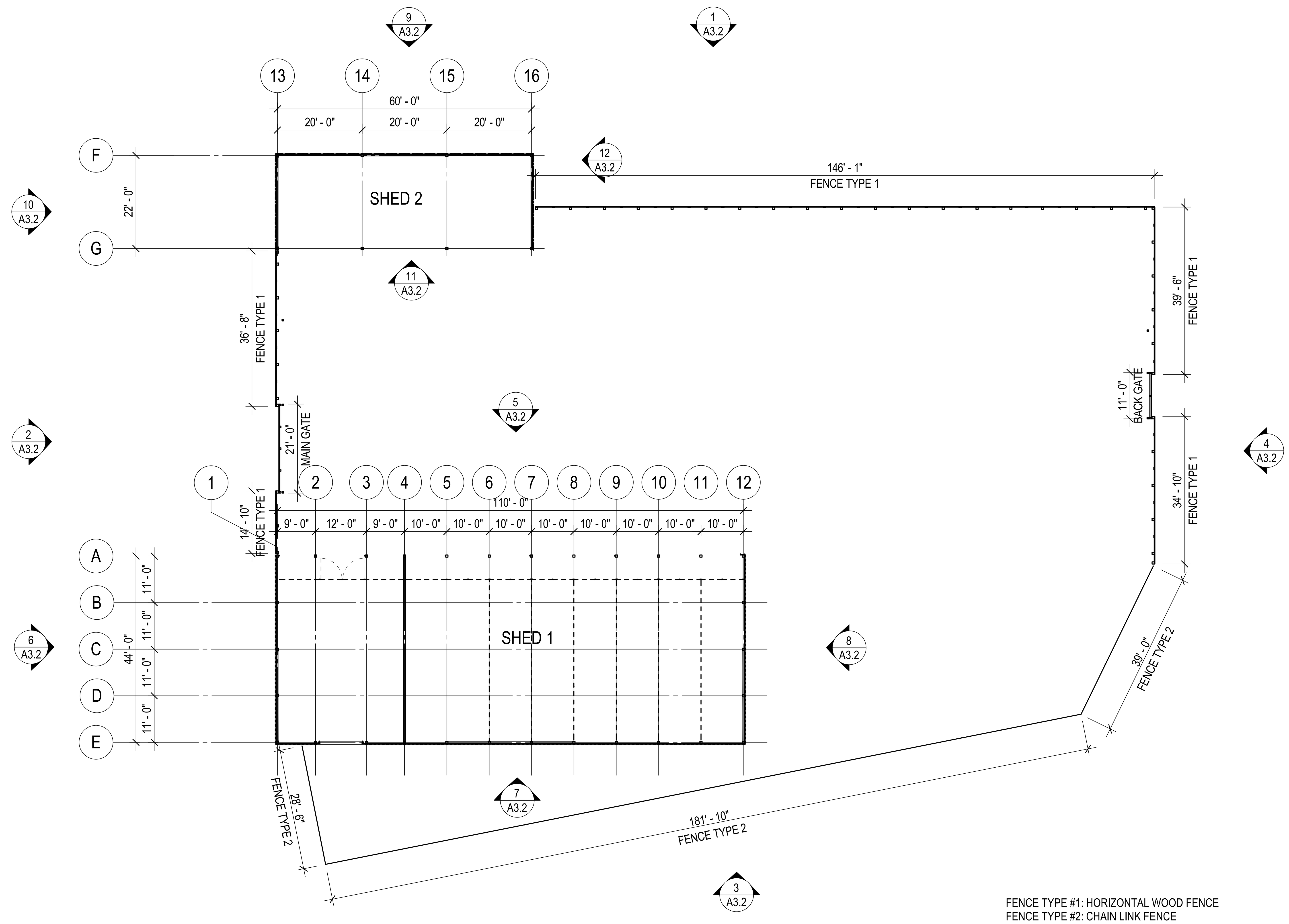

1 A2.5 **GROUND LEVEL FLOOR PLAN - CORPORATION YARD**
1/16" = 1'-0"

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PLAN, LEVEL 1 - CORPORATION YARD

Revisions

09/30/2020	ASA RESUBMITTAL
12/11/2020	ASA RESUBMITTAL

Date:	02/21/2020
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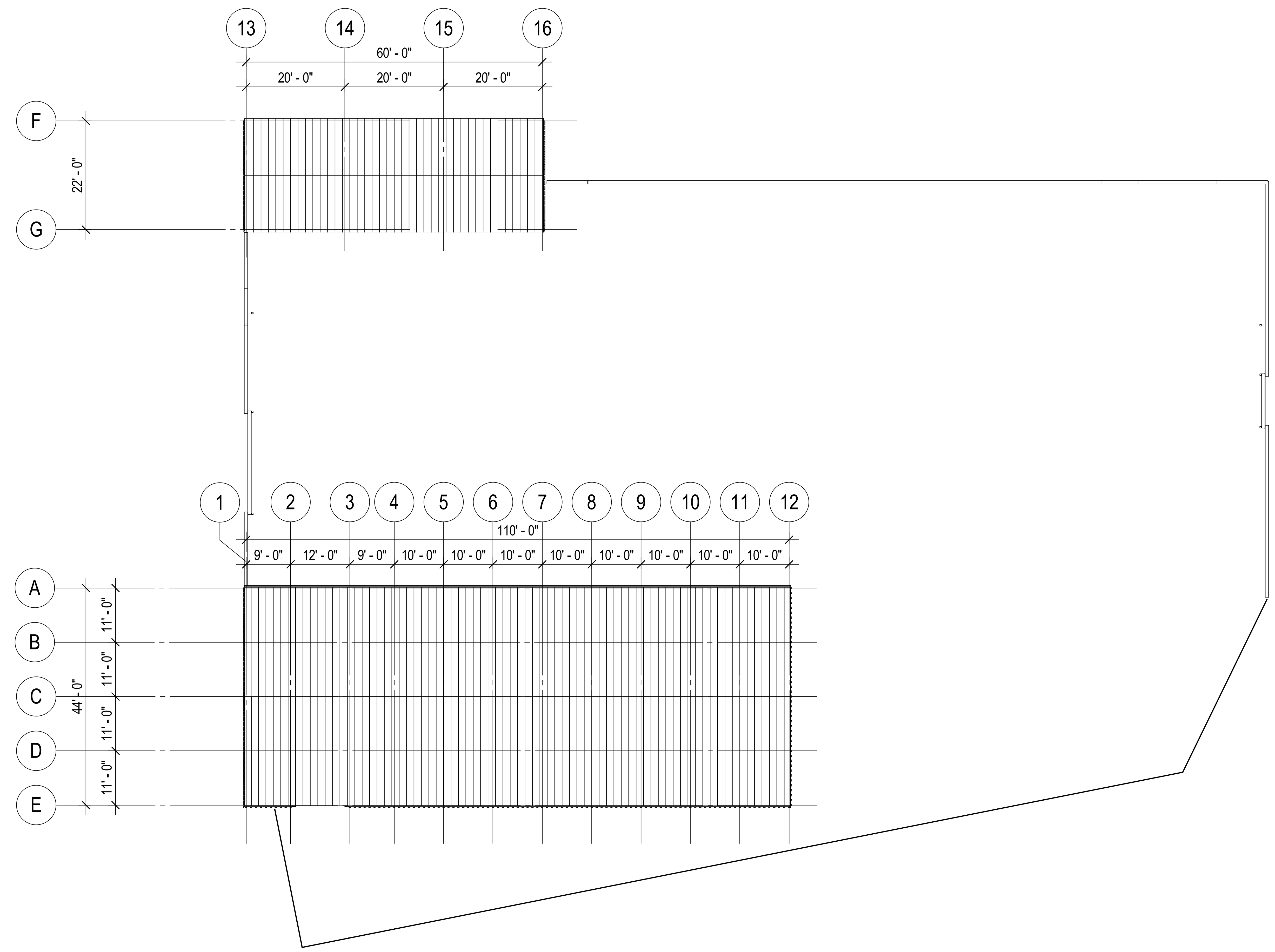

1 A2.6 **ROOF PLAN - CORPORATION YARD**
1/16" = 1'-0"

NORTH

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PLAN, ROOF -
CORPORATION
YARD

Revisions

09/30/2020	ASA RESUBMITTAL
12/11/2020	ASA RESUBMITTAL

Date:	02/21/2020
Job No:	P24785
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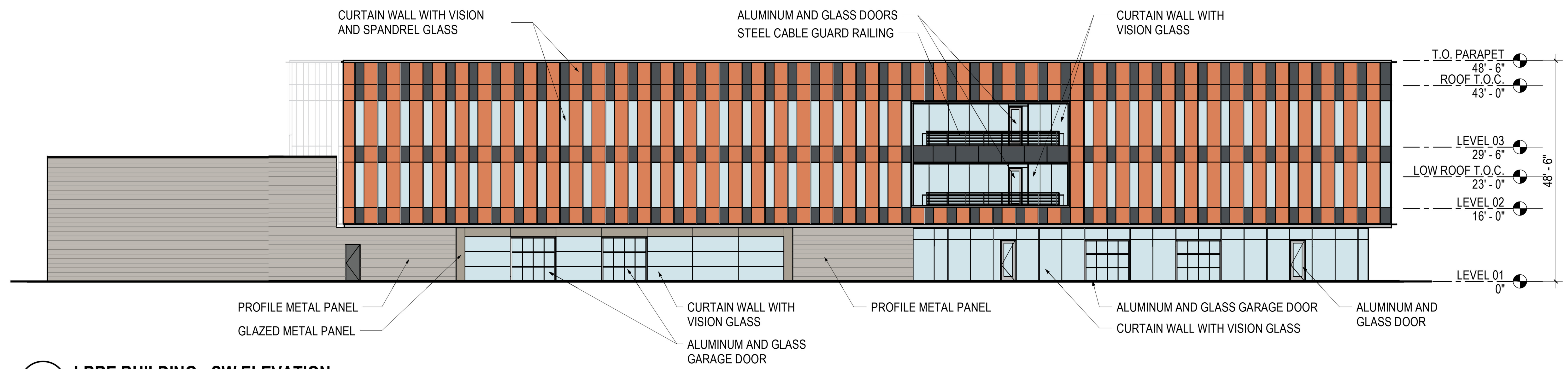
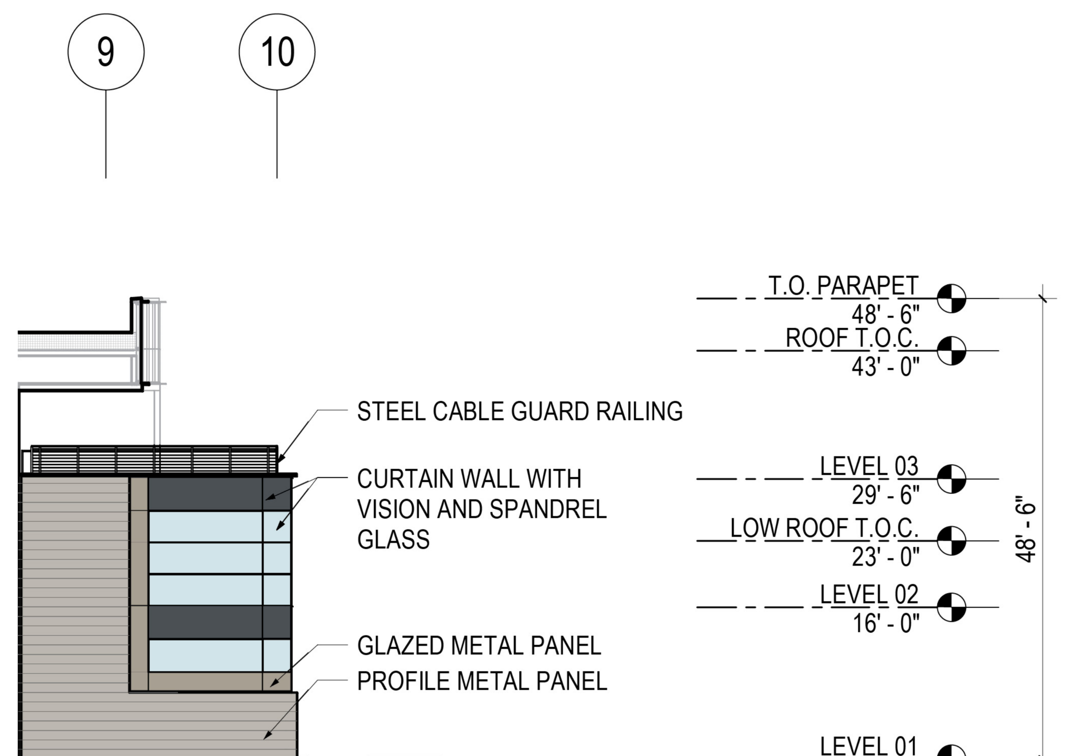
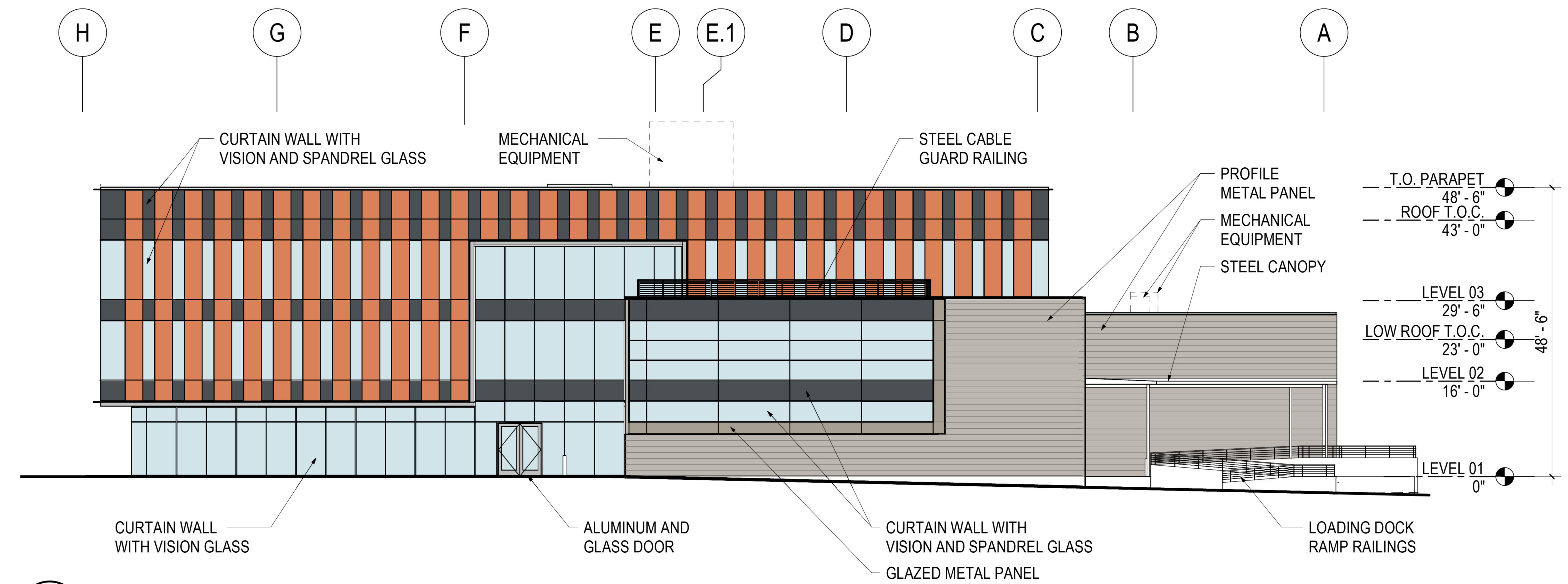
MATERIAL COLOR PALETTE



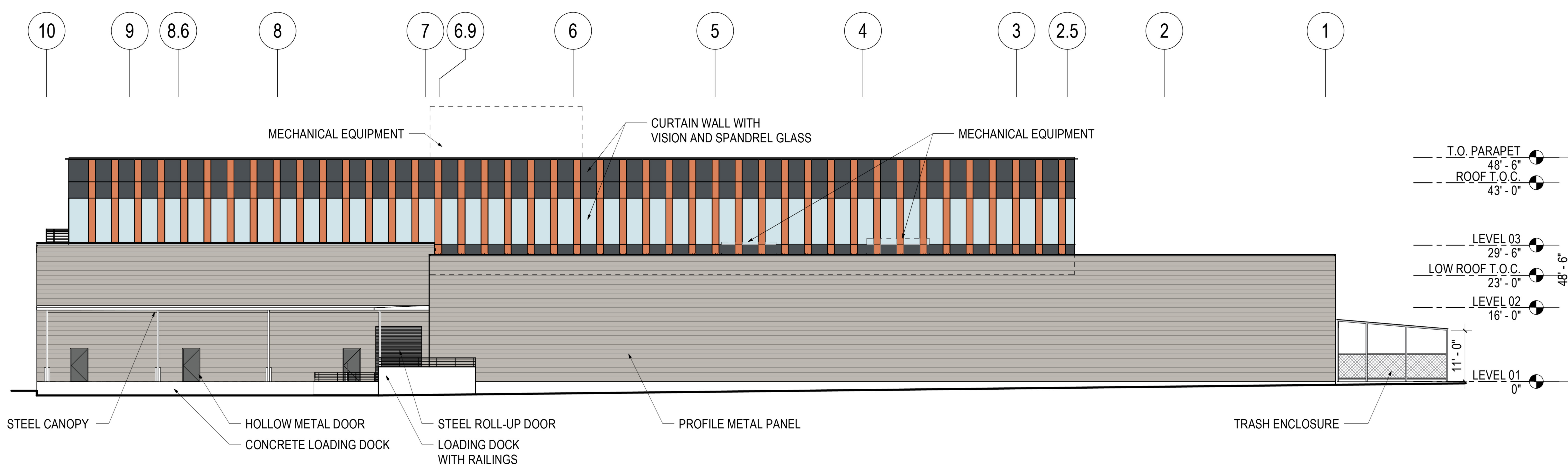
1 A3.1 LBRE BUILDING - SW ELEVATION
1/16" = 1'-0"



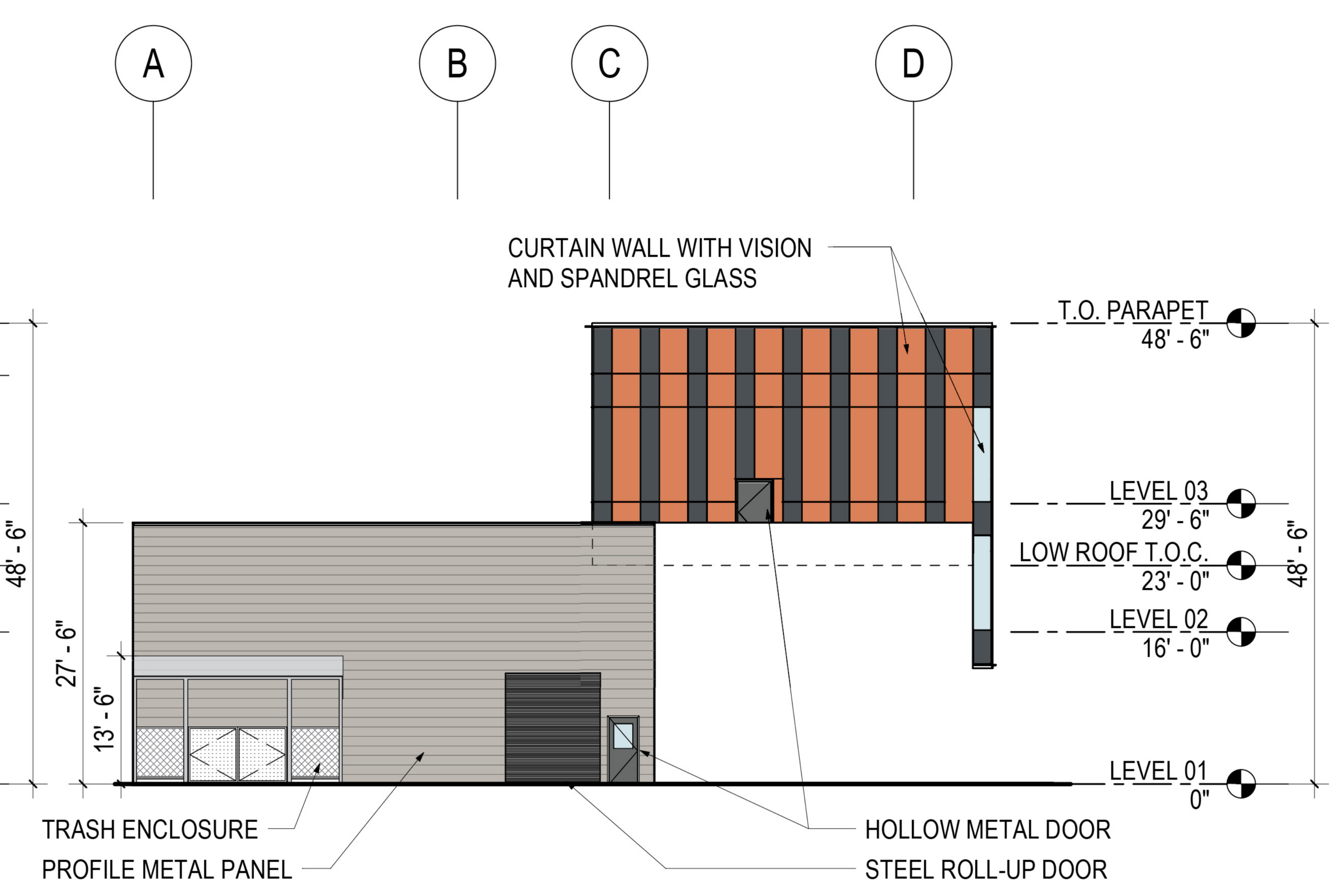
3 A3.1 LBRE BUILDING - SOUTH ELEVATION
1/16" = 1'-0"



2 A3.1 LBRE BUILDING - EAST ELEVATION
1/16" = 1'-0"



5 A3.1 LBRE BUILDING - NORTH ELEVATION
1/16" = 1'-0"



4 A3.1 LBRE BUILDING - WEST ELEVATION
1/16" = 1'-0"

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ELEVATIONS - LBRE BUILDING

Revisions

09/30/2020	ASA RESUBMITTAL
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Date:	02/21/2020
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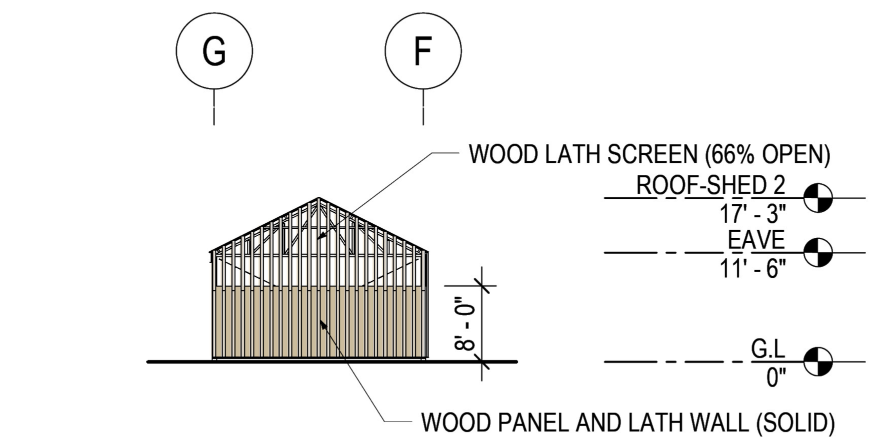
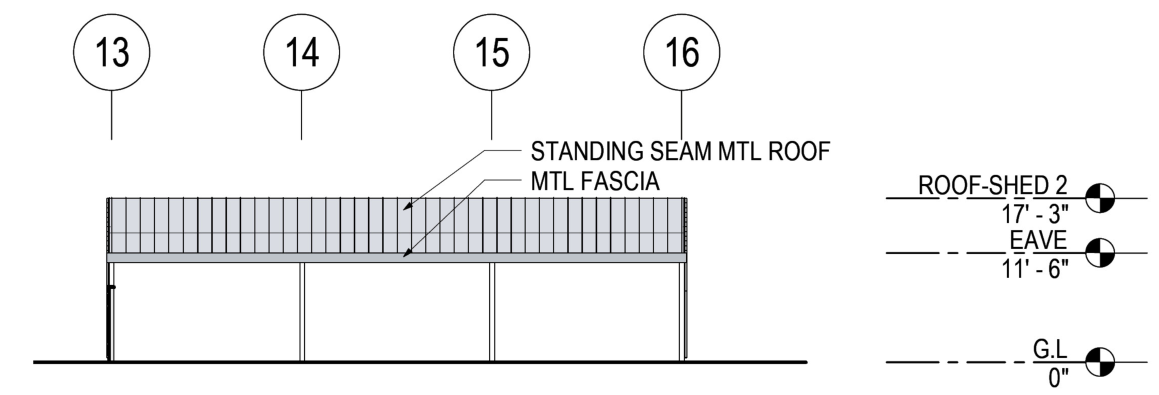
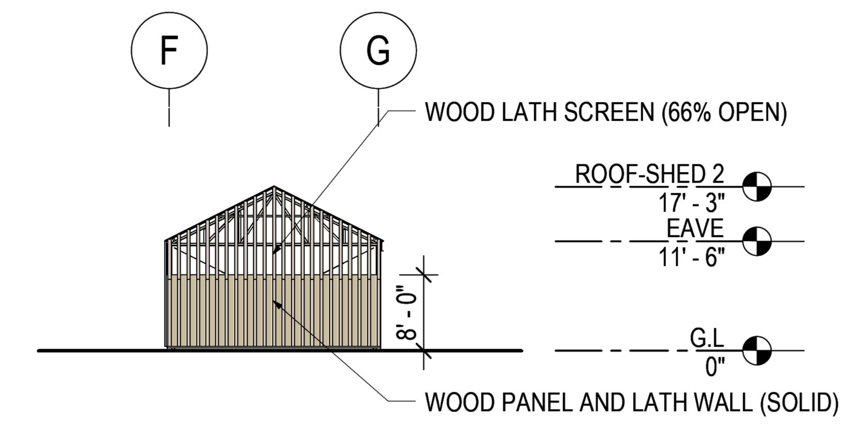


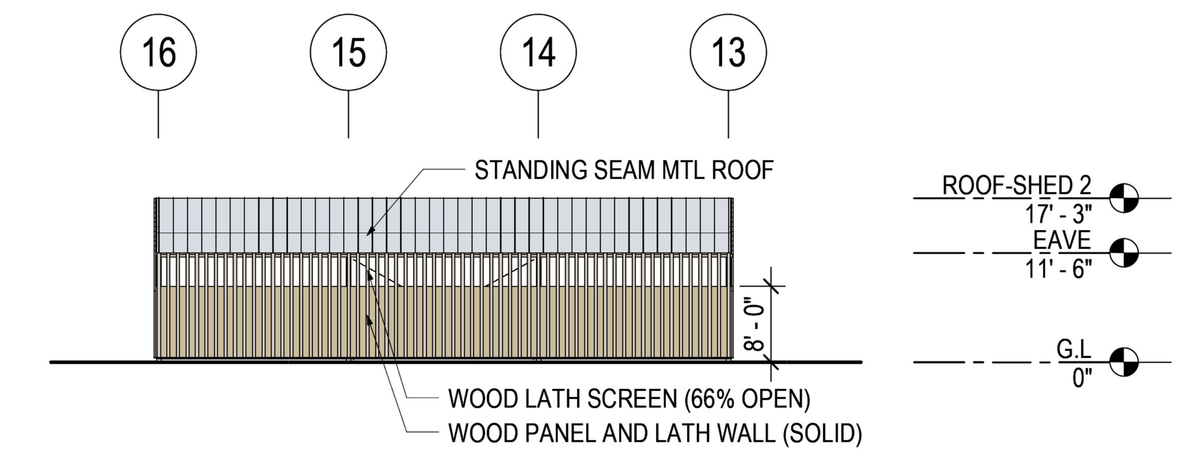
12 A3.2 **EAST ELEVATION-SHED 2**
1/16" = 1'-0"



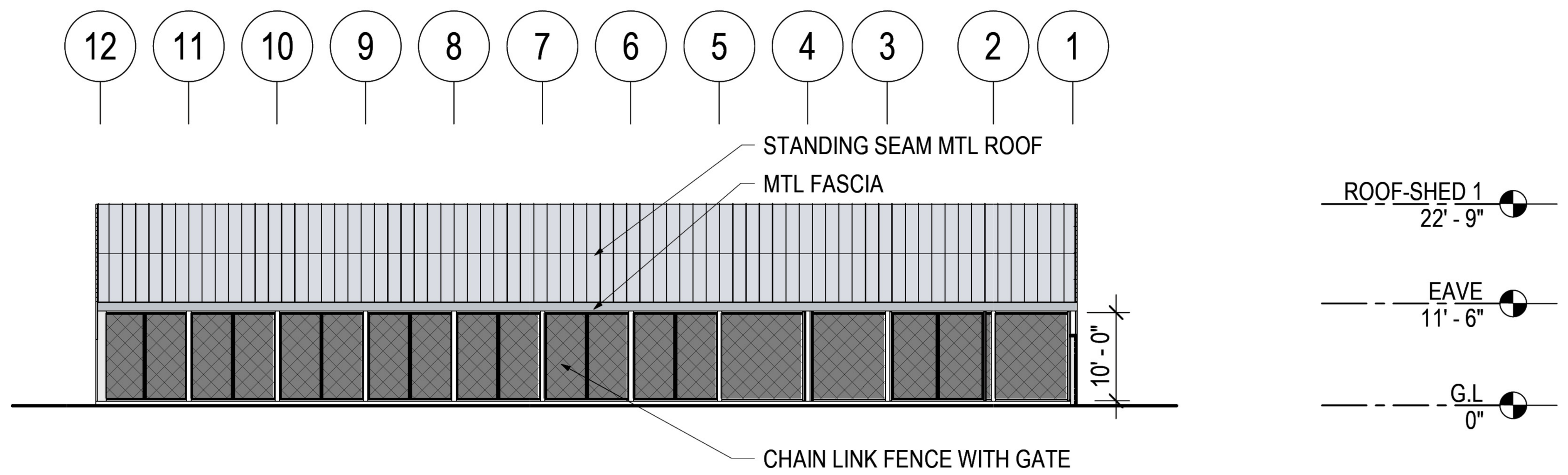
11 A3.2 **SOUTH ELEVATION-SHED 2**
1/16" = 1'-0"



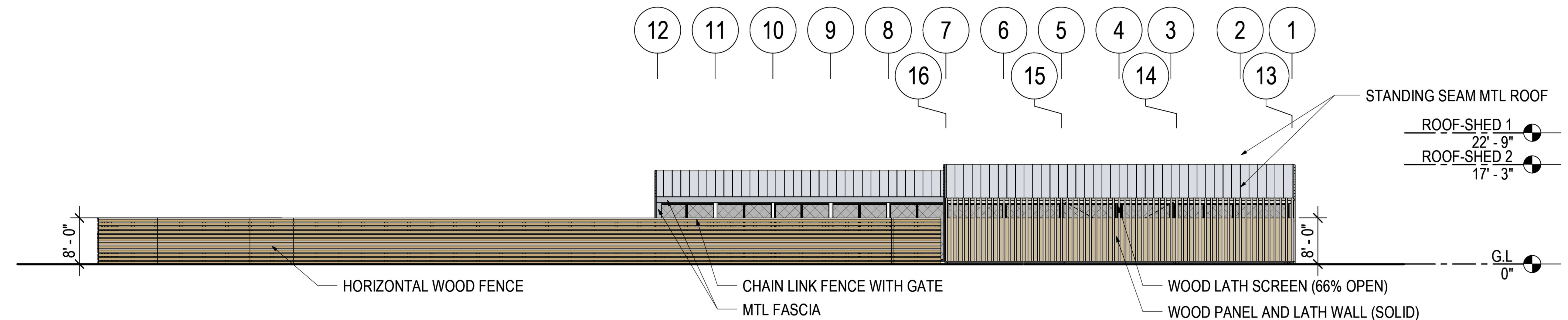
10 A3.2 **WEST ELEVATION-SHED 2**
1/16" = 1'-0"



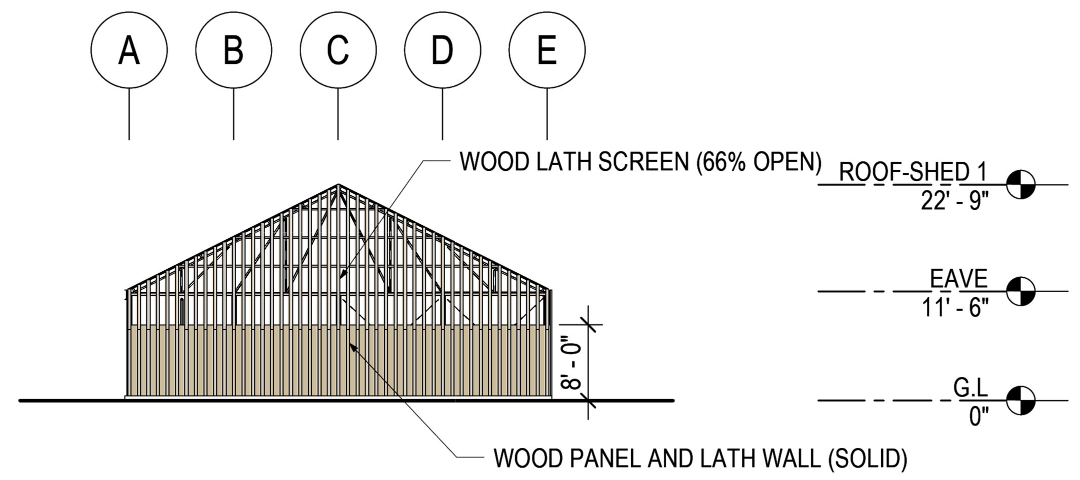
9 A3.2 **NORTH ELEVATION-SHED 2**
1/16" = 1'-0"



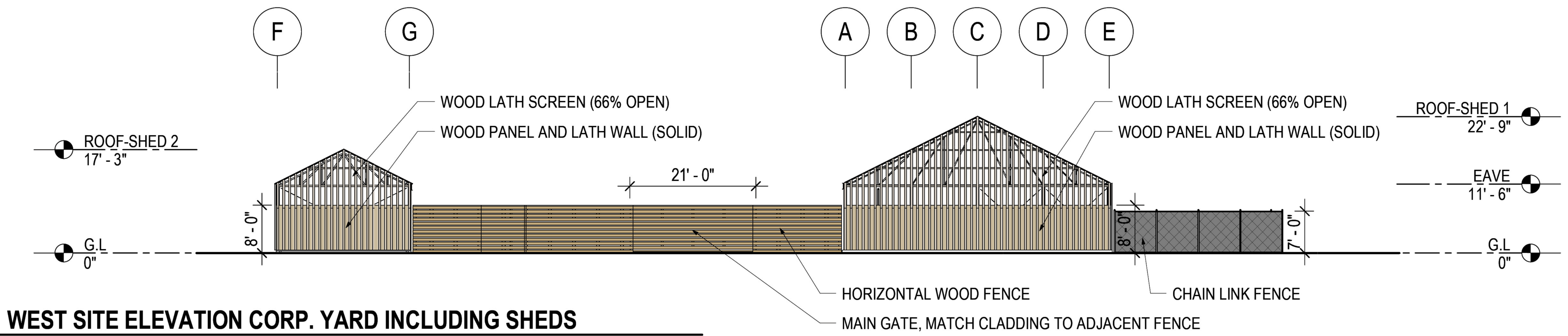
5 A3.2 **NORTH ELEVATION-SHED 1**
1/16" = 1'-0"



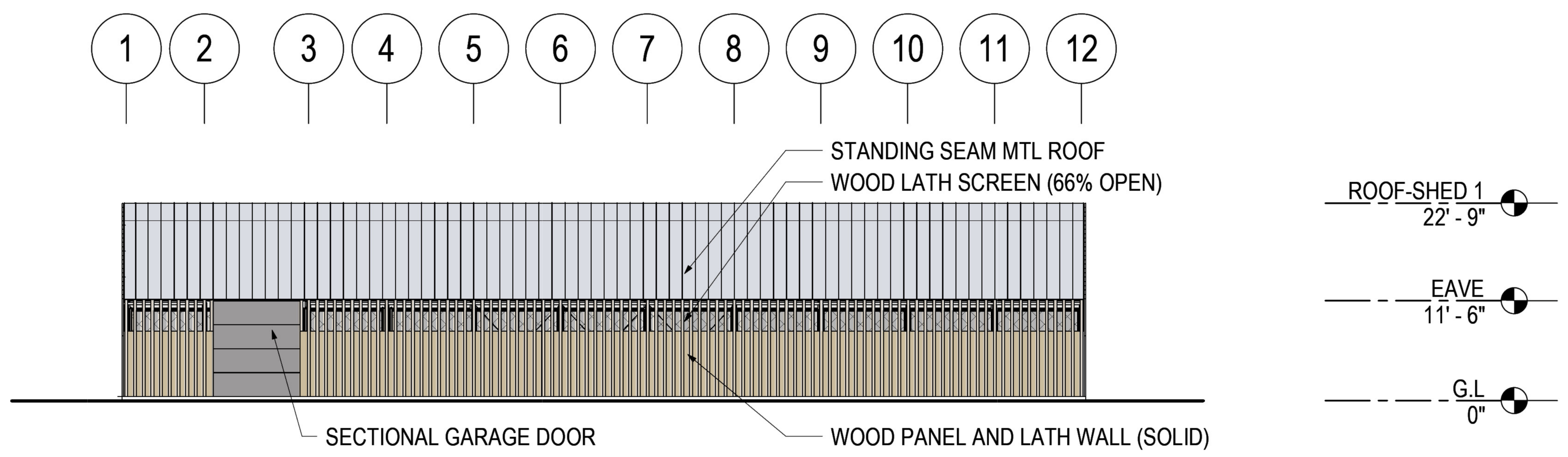
1 A3.2 **NORTH SITE ELEVATION CORP. YARD INCLUDING SHEDS**
1/16" = 1'-0"



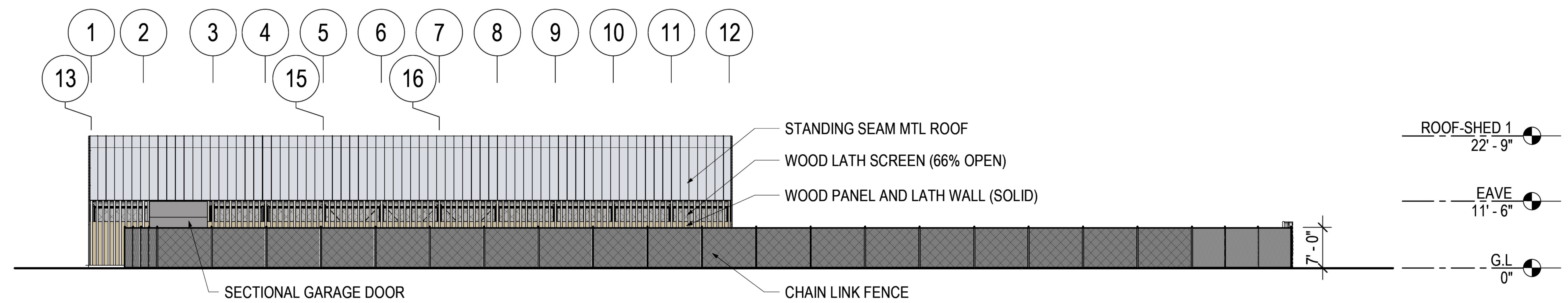
6 A3.2 **WEST ELEVATION-SHED 1**
1/16" = 1'-0"



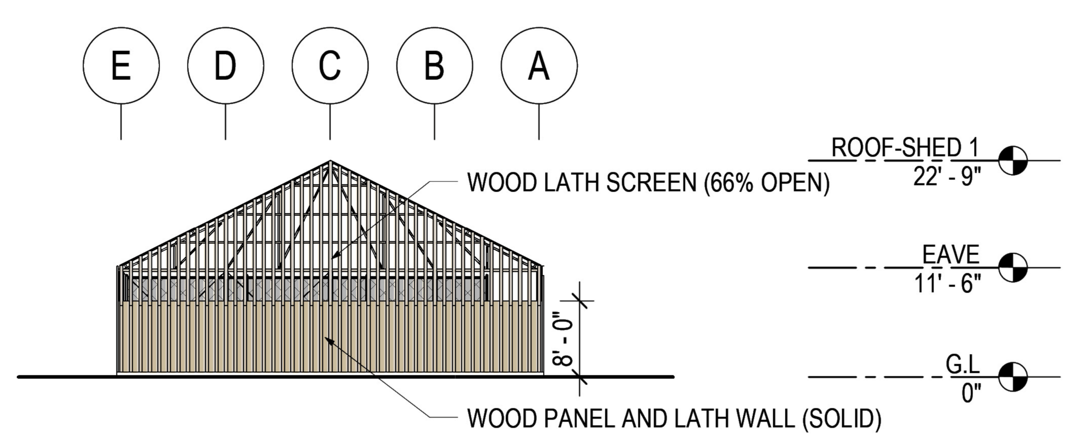
2 A3.2 **WEST SITE ELEVATION CORP. YARD INCLUDING SHEDS**
1/16" = 1'-0"



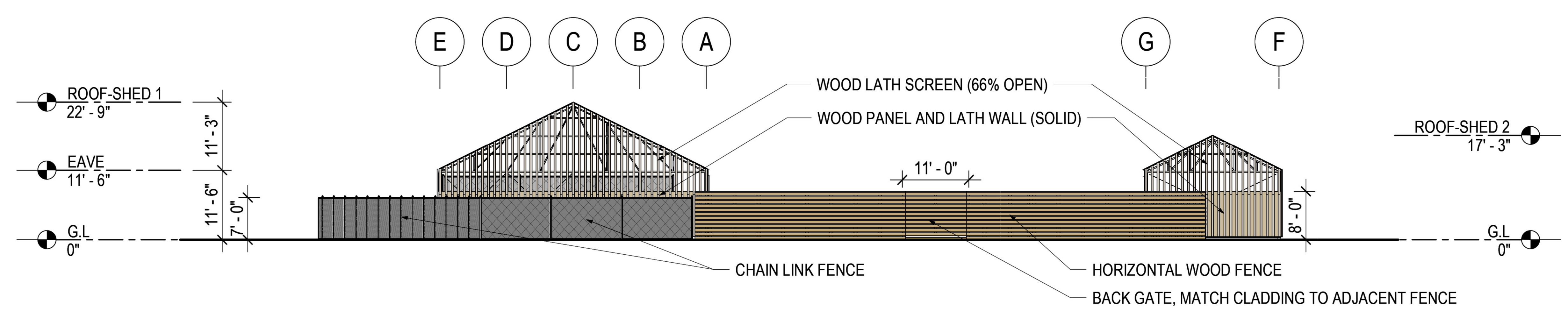
7 A3.2 **SOUTH ELEVATION-SHED 1**
1/16" = 1'-0"



3 A3.2 **SOUTH SITE ELEVATION CORP. YARD INCLUDING SHED**
1/16" = 1'-0"



8 A3.2 **EAST ELEVATION-SHED 1**
1/16" = 1'-0"



4 A3.2 **EAST SITE ELEVATION CORP. YARD INCLUDING SHEDS**
1/16" = 1'-0"

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ELEVATIONS-CORPORATION YARD

Revisions

09/30/2020 ASA RESUBMITTAL
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