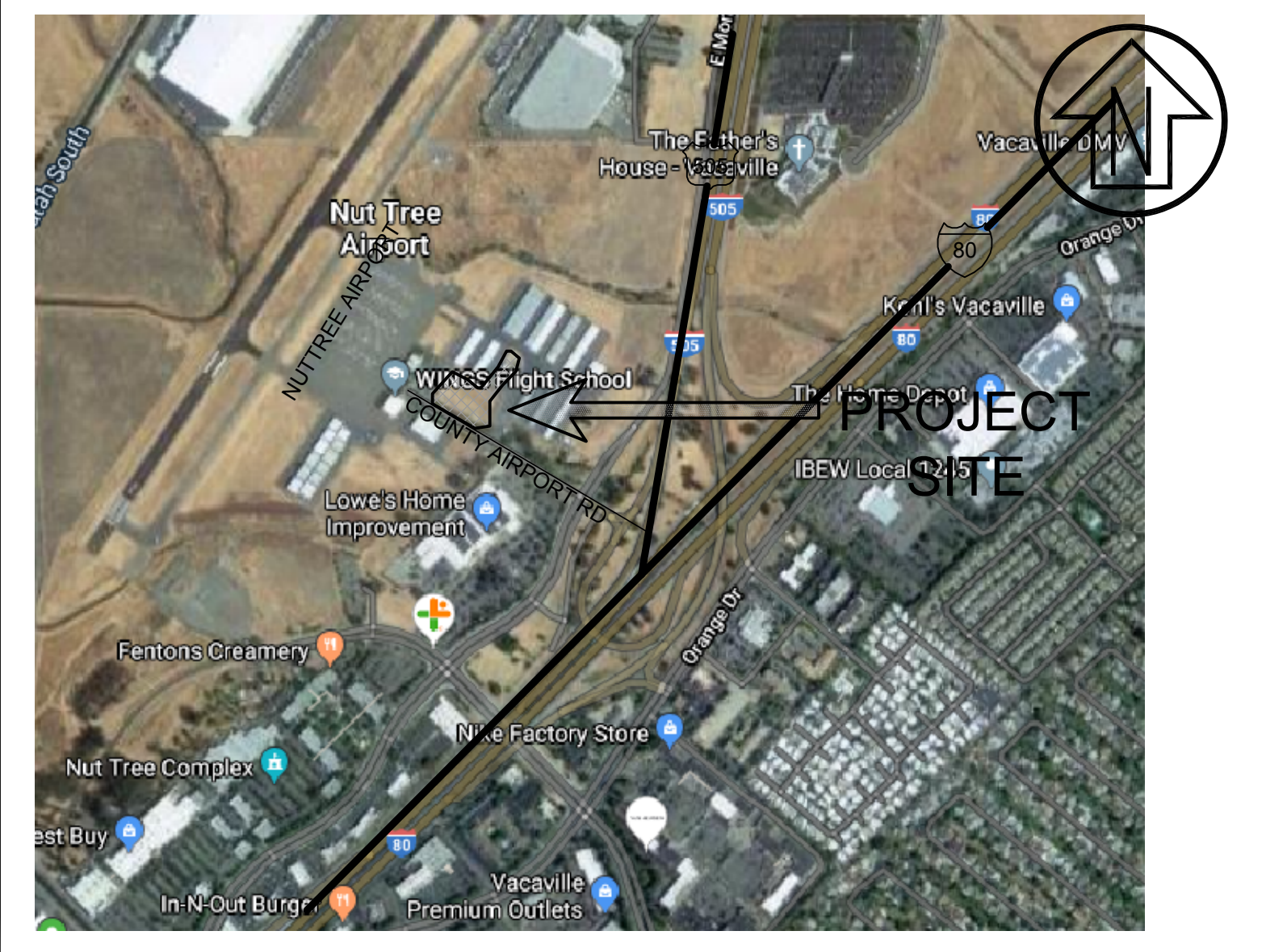


# AERONAUTICS SEWER CONNECTION AND PARKING LOT EXPANSION PROJECT FOR SOLANO COMMUNITY COLLEGE VACAVILLE, CALIFORNIA



**VICINITY MAP**  
SCALE: NTS

Rev	Date	Description
	02/28/22	2ND SUBMITTAL TO CITY OF VACAVILLE
	11/12/21	2ND SUBMITTAL TO COUNTY
	05/27/21	CD SUBMITTAL TO THE COUNTY
	03/09/21	CD SUBMITTAL TO THE DISTRICT
	10/09/20	CD SUBMITTAL TO THE DISTRICT
	05/27/20	DD SUBMITTAL TO DISTRICT

### SYMBOLS

EXISTING	PROPOSED
BOLLARD	BOLLARD
SIGN	SIGN
TREE / TREE TO BE REMOVED	TREE / TREE TO BE REMOVED
LIGHT - POST MOUNTED	LIGHT - POST MOUNTED
SANITARY SEWER - CLEANOUT	SANITARY SEWER - CLEANOUT
SANITARY SEWER - MANHOLE	SANITARY SEWER - MANHOLE
STORM DRAINAGE - AREA DRAIN	STORM DRAINAGE - AREA DRAIN
STORM DRAINAGE - DROP INLET	STORM DRAINAGE - DROP INLET
GAS VALVE	GAS VALVE
FIRE HYDRANT	FIRE HYDRANT
WATER METER	WATER METER
WATER VALVE	WATER VALVE

### LINETYPES

EXISTING	PROPOSED
BLDG. ENVELOPE	BLDG. ENVELOPE
BLDG. SETBACK LINE	BLDG. SETBACK LINE
BOUNDARY LINE	BOUNDARY LINE
CONTOUR - MAJOR	CONTOUR - MAJOR
CONTOUR - MINOR	CONTOUR - MINOR
GRAVEL ROAD	GRAVEL ROAD
FENCE	FENCE
FLOWLINE / SWALE	FLOWLINE / SWALE
PROPERTY / LOT LINE	PROPERTY / LOT LINE
RIGHT OF WAY	RIGHT OF WAY
SANITARY SEWER	SANITARY SEWER
STORM DRAIN	STORM DRAIN
TOE OF BANK	TOE OF BANK
TOP OF BANK	TOP OF BANK
TREE DRIPLINE	N/A

### ABBREVIATIONS

AB	AGGREGATE BASE	FL	FLOWLINE	SSCO	SANITARY SEWER CLEANOUT
AC	ASPHALT CONCRETE	FS	FINISH SURFACE	SSFM	SANITARY SEWER FORCE MAIN
DI	DROP INLET	GB	GRADE BREAK	SSMH	SANITARY SEWER MANHOLE
DL	DAYLIGHT	HP	HIGH POINT	SW	SIDEWALK
DWY	DRIVEWAY	INV	INVERT	TC	TOP OF CURB
EG	EXISTING GRADE	LF	LINEAR FEET	TG	TOP OF GRATE
EL	ELEVATION	LP	LOW POINT	TW	TOP OF WALL
EP	EDGE OF PAVEMENT	MH	MANHOLE	tw	TOE OF WALL
(E)	EXISTING	RW	RIGHT OF WAY	VIF	VERIFY IN FIELD
FF	FINISH FLOOR	SD	STORM DRAIN		
FG	FINISH GRADE	SF	SQUARE FEET		
FH	FIRE HYDRANT	SS	SANITARY SEWER		

### SHEET INDEX

C1.0	COVER SHEET
C1.1	GENERAL NOTE SHEET
C2.0	SITE PLAN
C3.0	GRADING, DRAINAGE, & UTILITY
C4.0	DETAILS
E1.0-E3.0	ELECTRICAL PLANS

### GENERAL COMMENTS

1. PROVIDE ALL TECHNICAL SPECIFICATION SECTIONS NEEDED FOR WORK: TRENCHING/BACKFILLING, DEMO, PAVING, PAVING MARKINGS, TRUNCATED DOMES, CONCRETE, ETC.
2. NEW TRUNCATED DOME FOR ADA PATH OF TRAVEL
3. EXISTING QUANTITY OF ASPHALT CONCRETE = 5,200 SQ. FT.
4. NEW QUANTITY OF ASPHALT CONCRETE = 11,700 SQ. FT.
5. 37 NEW WHEEL STOPS
6. 37 NEW PAVEMENT STRIPS FOR PARKING STALLS

### SCOPE OF WORK

1. REPAVE EXISTING AERONAUTICS FACILITY PARKING LOT
2. EXPAND EXISTING PARKING LOT
3. INSTALL SITE LIGHTING
4. REMOVE EXISTING SEPTIC TANK
5. INSTALL SEWER PUMP STATION AND FORCE MAIN TO DISCHARGE TO CITY SEWER

### BASIS OF TOPOGRAPHY

TOPOGRAPHY SHOWN WAS PERFORMED BY FIELD SURVEY ON JULY 15-17, 2019.

### VERTICAL DATUM

VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) PER CONTROL ON PREVIOUS SCCD PROJECTS.

### HORIZONTAL DATUM

HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD83) PER GPS CONTROL ON PREVIOUS SCCD PROJECTS.

**AERONAUTICS IMPROVEMENTS  
COVER SHEET  
SOLANO COMMUNITY COLLEGE**

City Of  
**Vacaville**  
County Of  
**Solano**  
State Of  
**California**

Prepared Under the Direction of:



Sheet	<b>C1.0</b>
Scale:	N/A
Date:	01/28/20
Project Number:	1910179
Plan File:	

# GENERAL NOTES

1

- WORK SHOWN HEREON SHALL BE DONE IN ACCORDANCE WITH THE COUNTY OF SOLANO, STANDARD CONSTRUCTION PLANS AND SPECIFICATIONS, LATEST EDITION, THE 2019 CBC CHAPTER 11B ADA STANDARDS, AND UTILITY COMPANY'S STANDARD PLANS AND SPECIFICATIONS AS APPLICABLE, LATEST EDITION.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
- CONTRACTOR SHALL HOLD HARMLESS THE COUNTY AND ITS AUTHORIZED REPRESENTATIVES FROM ALL LIABILITIES AND DAMAGES RESULTING FROM HIS CONSTRUCTION OPERATIONS.
- PRIOR TO COMMENCING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL VERIFY ALL INTERFACES BETWEEN EXISTING CONDITIONS AND NEW CONSTRUCTION FOR GRADING, DRAINAGE, UNDERGROUND, AND OVERHEAD FACILITIES, INCLUDING LOCATION AND ELEVATION OF EXISTING UNDERGROUND OR AT GRADE FACILITIES AT CROSSINGS WITH PROPOSED UNDERGROUND FACILITIES. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION OPERATIONS UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL CONTRACT DOCUMENTS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- ALL EASEMENTS OR OTHER ENCUMBRANCES SHOWN OR REFERENCED IN THESE PLANS OR DISCLOSED IN THE TITLE REPORT ARE SUBJECT TO INHERENT OR EXPLICIT RESTRICTIONS. THE OWNER IS RESPONSIBLE FOR DETERMINING THE IMPACT OF THESE RESTRICTIONS ON HIS OR HER INTENT FOR THE PROPERTY.
- CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING UNDERGROUND, AT-GRADE OR OVERHEAD IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE OWNER, INCLUDING PERMANENT TRENCH RESURFACING.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS INCLUDING ENCROACHMENT PERMIT FROM THE COUNTY PRIOR TO ANY WORK IN THE PUBLIC RIGHT-OF-WAY.
- TRAFFIC CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST "MANUAL OF TRAFFIC CONTROLS" PUBLISHED BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY FOR APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO BE AWARE OF AND PROTECT ALL OVERHEAD LINES AT ALL TIMES, SO AS NOT TO DISTURB THEM.
- WATER SHALL BE PROVIDED ONSITE BY THE CONTRACTOR AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS.
- OUTDOOR NOISE-GENERATING CONSTRUCTION ACTIVITIES (INCLUDING BUT NOT LIMITED TO RAPID IMPACT COMPACTION (RIC) GRADING, TRENCHING, CONCRETE PLACEMENT, SAWING AND HAMMERING) SHALL BE LIMITED TO THE HOURS BETWEEN 7AM AND 5PM, MONDAY THROUGH FRIDAY. FOR QUESTIONS REGARDING CONSTRUCTION HOURS AND/OR RELATED NOISE, PLEASE CONTACT OWNER.
- CONTRACTOR SHALL COMPLY FULLY WITH THE REQUIREMENTS OF ASSEMBLY BILL 2040, DAVIS, ASBESTOS.
- IF SIGNIFICANT CULTURAL MATERIALS ARE EXPOSED OR DISCOVERED DURING EITHER SITE CLEARING OR SUBSURFACE CONSTRUCTION, ALL OPERATIONS SHOULD STOP WITHIN 25 FEET OF THE FIND AND A QUALIFIED PROFESSIONAL ARCHAEOLOGIST CONTACTED FOR FURTHER REVIEW AND RECOMMENDATIONS. POTENTIAL RECOMMENDATIONS COULD INCLUDE EVALUATION, COLLECTION, RECORDATION, ANALYSIS, ETC. OF ANY SIGNIFICANT CULTURAL MATERIALS FOLLOWED BY PREPARATION OF A PROFESSIONAL REPORT. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE OTHER GOVERNING JURISDICTION OF ANY DISCOVERIES.
- SIGNIFICANT PREHISTORIC CULTURAL RESOURCES ARE DEFINED AS HUMAN BURIALS, FEATURES OR OTHER CLUSTERING OF FINDS MADE, MODIFIED OR USED BY NATIVE AMERICAN PEOPLES IN THE PAST. THE PREHISTORIC AND PROTOHISTORIC INDICATORS OF PRIOR CULTURAL OCCUPATION BY NATIVE AMERICANS INCLUDE ARTIFACTS AND HUMAN BONE, AS WELL AS SOIL DISCOLORATION, SHELL, ANIMAL BONE, SANDSTONE COBBLES, ASHY AREAS, AND BAKED OR VITRIFIED CLAYS.
- IF, AT ANY TIME DURING GRADING OPERATIONS, ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED, GRADING IN THAT AREA WILL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED.
- ALL DEBRIS, EXCESS, AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF

MATERIAL TO AND FROM THE SITE.

- ALL FILL SOILS OR SOILS DISTURBED OR OVER-EXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED PER THE REQUIREMENTS OF THE SOIL REPORT BUT NOT LESS THAN 90% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D-1557.
- ALL GRADED BANK TOPS AND TOES SHALL BE ROUNDED.
- THE PROPOSED GRADE AS SHOWN IN THE DRAWINGS IS THE FINISH GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE TO ACCOMMODATE FOR THE THICKNESS OF THE TOP SECTIONS (ROADWAY, CONCRETE, TOPSOIL, ETC.) TO ARRIVE AT THE ROUGH GRADE ELEVATION. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ADJUSTMENTS TO ACCOMMODATE TRENCH OR FOUNDATION SPOILS, OR ITEMS AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL RAMPS AND OTHER ACCESSIBILITY ACCOMMODATIONS ARE INTENDED TO COMPLY WITH THE CURRENT STANDARDS UNDER THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL NOTIFY THE CIVIL ENGINEER IF ANY PROPOSED IMPROVEMENTS ARE NOT CONSISTENT WITH THE STANDARDS.
- ALL STREETS SHALL BE SWEEP AND KEPT CLEAN AT THE END OF EACH DAY AND SHALL COMPLY WITH ALL APPLICABLE RWQCB REQUIREMENTS FOR THE DURATION OF THE PROJECT WORK.
- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUNDWATER THAT MAY BE NECESSARY TO ACCOMPLISH WORK SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (800-227-2600) A MINIMUM OF 48 HOURS PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL OBTAIN AN O.S.H.A. PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE 5' OR DEEPER. ALL TRENCHES 5' IN DEPTH OR GREATER SHALL BE SHORED AND BRACED ACCORDING TO STATE LAW.
- UTILITIES AS SHOWN CONFORM TO AVAILABLE RECORD DATA. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND DEPTHS BY POT-HOLING OF ALL UTILITIES WITH APPROPRIATE AGENCIES, AND TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. ANY CONFLICTS SHALL BE REPORTED IMMEDIATELY TO THE AGENCY AND TO THE CIVIL ENGINEER.
- IT SHALL BE THE PAVING CONTRACTOR'S RESPONSIBILITY TO RESTORE STREET AND SIDEWALK SUBGRADES DISTURBED DURING UNDERGROUND UTILITY CONSTRUCTION. ALL EXISTING STREET IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IN CONFORMANCE WITH COUNTY OF SOLANO STANDARD CONSTRUCTION PLANS AND SPECIFICATIONS AND TO THE SATISFACTION OF THE COUNTY ENGINEER, AND SHALL MEET ANY ADDITIONAL REQUIREMENTS OF THE ENCROACHMENT PERMIT.
- TRENCHES CUT THROUGH THE PAVEMENT OF PUBLIC STREETS SHALL BE FULLY REPLACED TO THE SATISFACTION OF THE COUNTY ENGINEER. THE LIMITS AND DETAILS OF THE TRENCH RESTORATION SHALL BE OUTLINED ON THE IMPROVEMENT PLANS. ANY STREET TRENCH CUT MORATORIUM ALREADY ESTABLISHED OR ESTABLISHED PRIOR TO COMMENCEMENT OF TRENCHING SHALL BE OBSERVED. THE COUNTY ENGINEER RETAINS THE RIGHT TO REQUIRE STREET REPAIR THAT INCLUDES THE GRINDING AND OVERLAY OF EXISTING PAVEMENT FOR THE FULL STREET WIDTH WITHIN THE VICINITY OF ANY TRENCHING IN ORDER TO MAINTAIN PAVEMENT INTEGRITY.
- DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER FROM TOP OF PIPE TO FINISHED GRADE, UNLESS OTHERWISE NOTED.
- THRUST BLOCKS SHALL BE INSTALLED AT WATERLINE HORIZONTAL AND VERTICAL BENDS, TEES, CAPPED ENDS AND REDUCERS ACCORDING TO THE DETAILS PROVIDED ON THESE PLANS.
- MANHOLE FRAMES AND COVERS AND ALL OTHER UTILITY FRAMES AND COVERS LOCATED WITHIN PAVED AREAS SHALL BE BROUGHT TO FINISH GRADE AFTER PAVING. RIM GRADES, WHERE SHOWN, ARE APPROXIMATE. CONTRACTOR TO ADJUST RIM GRADE TO CONFORM WITH INSTALLED PAVING.
- PIPE SLOPES AND DISTANCES SHOWN ON PLANS ARE FROM THE CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- THE CONTRACTOR SHALL NOTIFY THE SEWER DISTRICT 48 HOURS PRIOR TO STARTING ANY SEWER WORK.
- THE CONTRACTOR SHALL NOTIFY THE SEWER DISTRICT IMMEDIATELY OF ANY CONFLICT BETWEEN SEWERS AND OTHER UNDERGROUND FACILITIES.
- CLEANING, TESTING, AND TELEVISION OF SEWER FACILITIES WILL BE REQUIRED PRIOR TO ACCEPTANCE.
- STORM DRAIN STRUCTURE STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURE AT THE FACE OF CURB.
- STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERM CONDITIONS OF CONSTRUCTION.

43. ALL CURB DIMENSIONS AND RADII ARE TO FACE OF CURB.

- CONTRACTOR SHALL PERFORM WATER TESTS AT ALL GUTTERS LESS THAN 1% SLOPE AND AT SAGS.
- ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN AT LEAST TWO LIFTS, AND THE SECOND LIFT SHALL BE A MINIMUM OF 2 INCHES AND SHALL BE PLACED ONLY AFTER THE CONSTRUCTION OF SITE IMPROVEMENTS AND BUILDING CONSTRUCTION HAVE BEEN SUBSTANTIALLY COMPLETED. THE FINAL PAVEMENT SURFACE SHALL BE FREE OF GOUGES, PATCHES, OR OTHER DEFECTS.
- A.C. STREET AND DRIVEWAY STRUCTURAL SECTIONS ARE APPROXIMATE ONLY. EXACT SECTIONS WILL BE DETERMINED SUBSEQUENT TO ROUGH GRADING AND WILL BE BASED ON THE R-VALUE AS DETERMINED BY THE GEOTECHNICAL ENGINEER AND A T.I. AS INDICATED ON TYPICAL SECTIONS. CONTRACTOR SHALL ALLOW TIME AFTER SUBGRADE IS EXPOSED FOR SAMPLES TO BE TAKEN AND AN R-VALUE TEST TO BE PERFORMED PRIOR TO FINAL SUBGRADE PREPARATION AND PAVEMENT SECTION CONSTRUCTION.
- TREE PROTECTION FENCING SHALL BE PLACED ONE FOOT BEYOND DRIPLINE OR AS DIRECTED BY THE ARBORIST. WHERE NOT POSSIBLE, OR AS DIRECTED BY THE ARBORIST, FENCING MUST BE LOCATED PRACTICALLY AND IN A MANNER WHICH ALLOWS THE REQUIRED GRADING AND CONSTRUCTION TO OCCUR. IN NO CASE, SHALL FENCING BE PLACED CLOSER THAN 5 FEET TO THE TREE TRUNK. TREES LOCATED NEXT TO PROPOSED RETAINING WALLS SHOULD HAVE THEIR TRUNKS PROTECTED BY STRAPPING STRAW BALES AROUND THE TRUNK TO PREVENT ACCIDENTAL DAMAGE FROM EXCAVATION EQUIPMENT. MITIGATION MEASURES SUCH AS IRRIGATION, CHIPPED BARK MULCHES, AND SCARIFICATION OF THE SOIL SURFACE AFTER CONSTRUCTION MAY HELP TO PARTIALLY COMPENSATE FOR SAME FORM OF CONSTRUCTION IMPACT, AND SHOULD BE UTILIZED PER ARBORIST'S RECOMMENDATIONS.
- THE LOCATION OF SYMBOLS SHOWN ON THE DRAWINGS MAY NOT REPRESENT THE PRECISE LOCATION OF THE PROPOSED IMPROVEMENT. IF THE SYMBOL IS NOT ACCOMPANIED BY DIMENSIONS TO LOCATE THE PRECISE LOCATION OF THE PROPOSED IMPROVEMENT, REFER TO STANDARD DETAILS SHOWN WITHIN THE DRAWINGS OR APPROPRIATE AGENCY STANDARD DETAILS.

CSW | ST 2

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Land Planning  
Construction Management

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Rev	Date	Description	Designed	Drawn	Checked
A	02/28/22	2ND SUBMITTAL TO CITY OF VACAVILLE			
	1/11/21	2ND SUBMITTAL TO COUNTY			
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AERONAUTICS IMPROVEMENTS  
GENERAL NOTES  
SOLANO COMMUNITY COLLEGE

City Of  
Vacaville  
County Of  
Solano  
State Of  
California

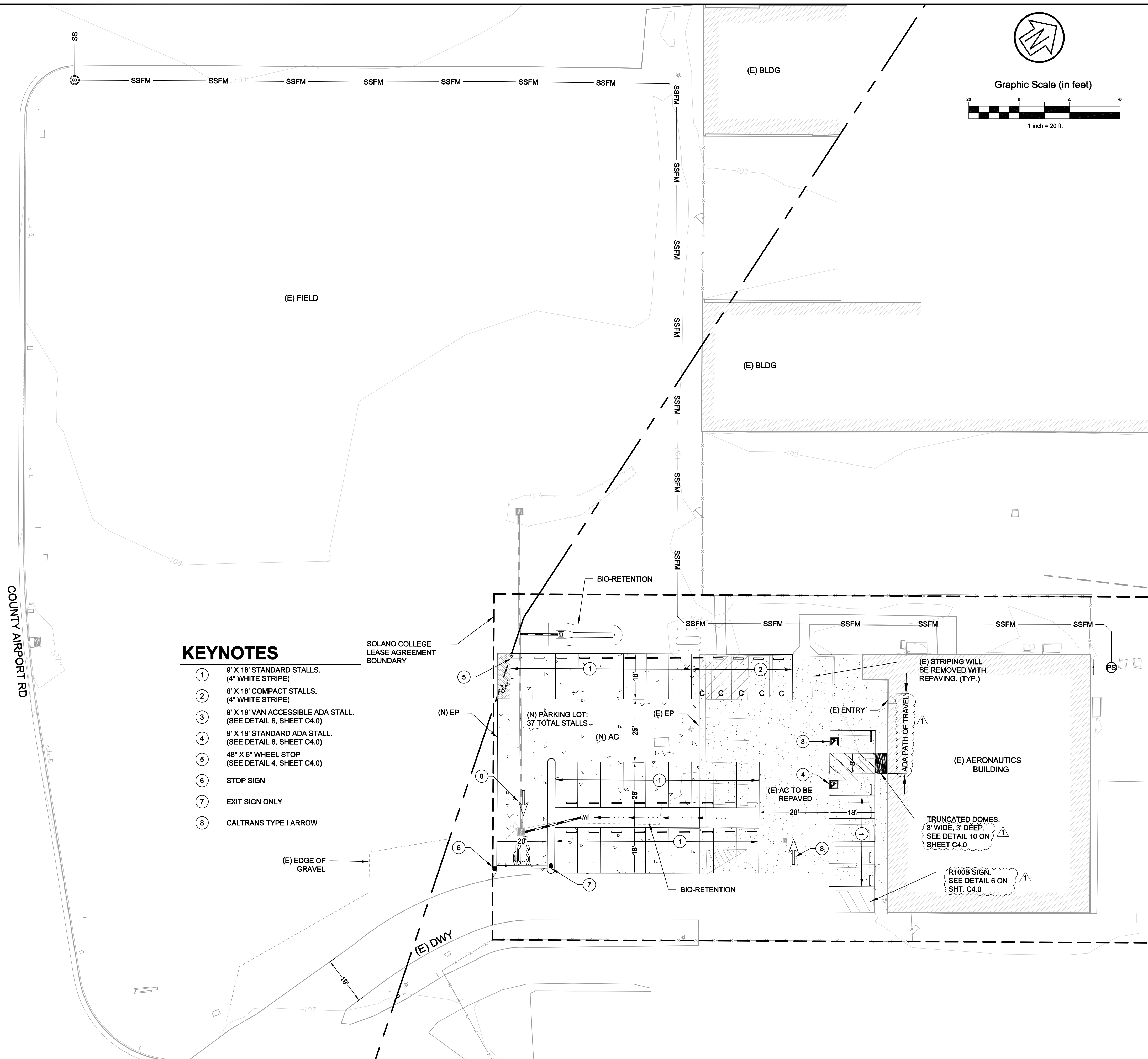
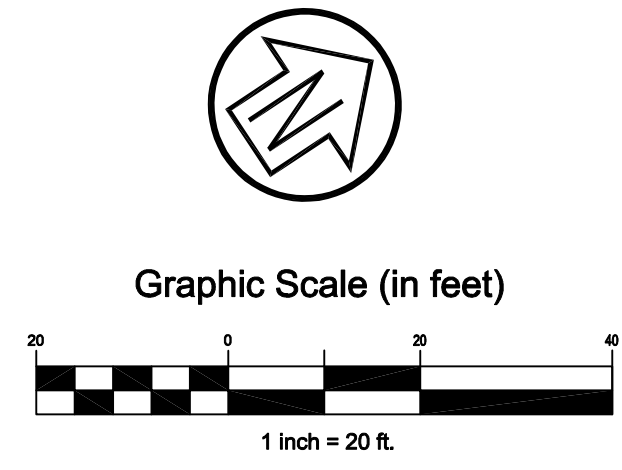
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C1.1

Scale: N/A  
Date: 01/28/20  
Project Number: 1910179  
Plan File:



**KEYNOTES**

- ① 9' X 18' STANDARD STALLS. (4" WHITE STRIPE)
- ② 8' X 18' COMPACT STALLS. (4" WHITE STRIPE)
- ③ 9' X 18' VAN ACCESSIBLE ADA STALL. (SEE DETAIL 6, SHEET C4.0)
- ④ 9' X 18' STANDARD ADA STALL. (SEE DETAIL 6, SHEET C4.0)
- ⑤ 48" X 6" WHEEL STOP (SEE DETAIL 4, SHEET C4.0)
- ⑥ STOP SIGN
- ⑦ EXIT SIGN ONLY
- ⑧ CALTRANS TYPE I ARROW

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6	05/27/20	DD SUBMITTAL TO DISTRICT			

**AERONAUTICS IMPROVEMENTS  
SITE PLAN  
SOLANO COMMUNITY COLLEGE**

City Of  
**Vacaville**  
County Of  
**Solano**  
State Of  
**California**

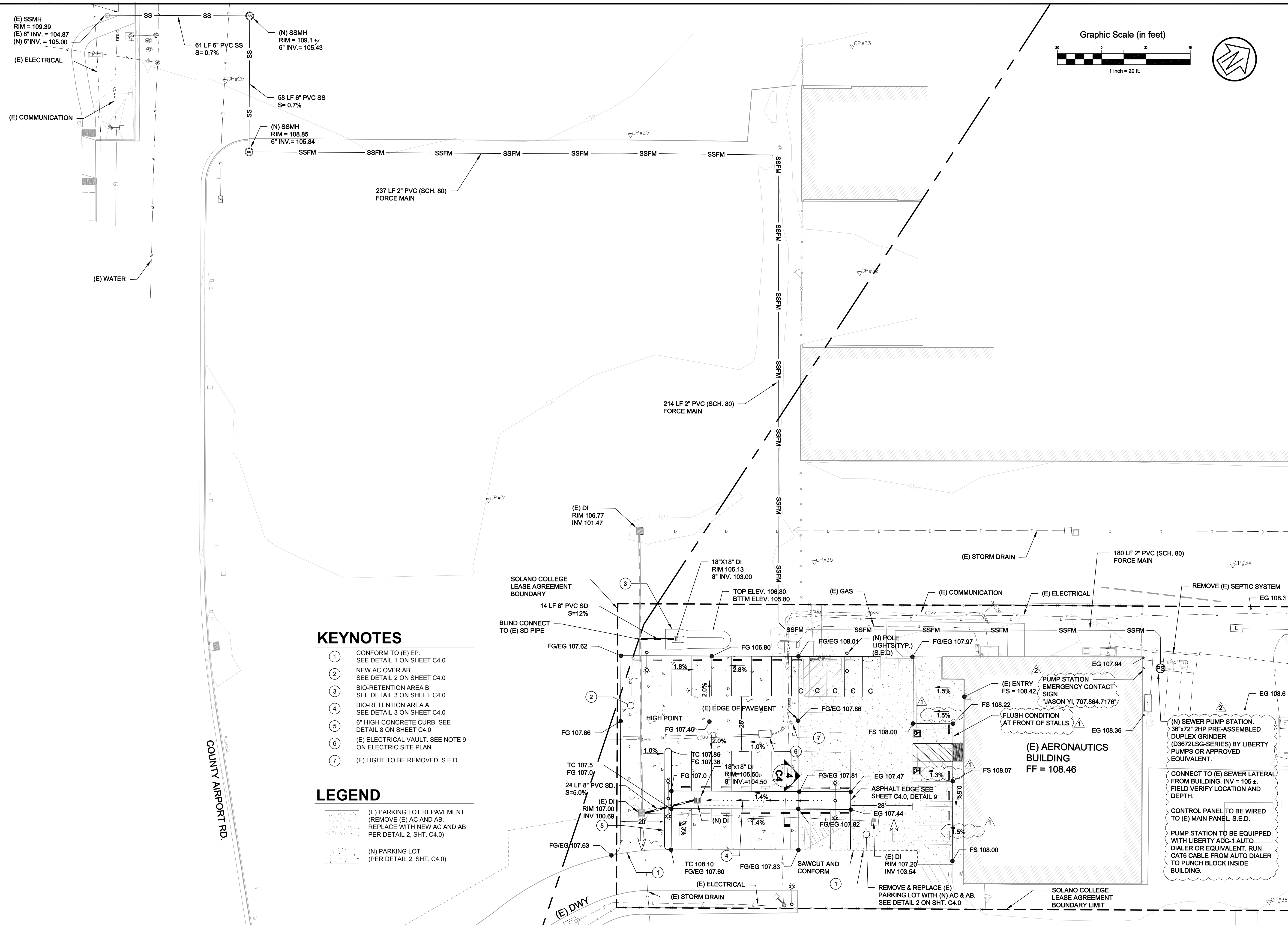
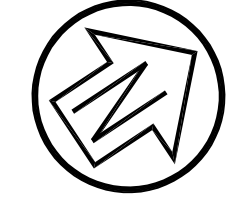
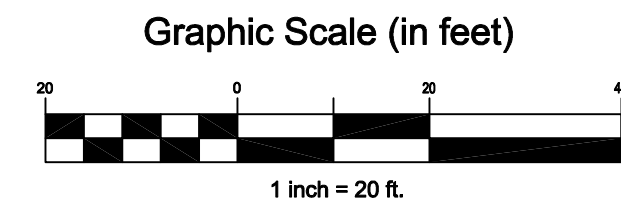
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Scale: 1" = 20'  
Date: 01/28/20  
Project Number: 1910179  
Plan File:

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**KEYNOTES**

- ① CONFORM TO (E) EP. SEE DETAIL 1 ON SHEET C4.0
- ② NEW AC OVER AB. SEE DETAIL 2 ON SHEET C4.0
- ③ BIO-RETENTION AREA B. SEE DETAIL 3 ON SHEET C4.0
- ④ BIO-RETENTION AREA A. SEE DETAIL 3 ON SHEET C4.0
- ⑤ 6" HIGH CONCRETE CURB. SEE DETAIL 8 ON SHEET C4.0
- ⑥ (E) ELECTRICAL VAULT. SEE NOTE 9 ON ELECTRIC SITE PLAN
- ⑦ (E) LIGHT TO BE REMOVED. S.E.D.

**LEGEND**

- (E) PARKING LOT REPAVEMENT (REMOVE (E) AC AND AB. REPLACE WITH NEW AC AND AB PER DETAIL 2, SHT. C4.0)
- (N) PARKING LOT (PER DETAIL 2, SHT. C4.0)

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F	05/27/20	DD SUBMITTAL TO DISTRICT			

**AERONAUTICS IMPROVEMENTS  
 GRADING, DRAINAGE  
 & UTILITY PLAN  
 SOLANO COMMUNITY COLLEGE**

City Of  
**Vacaville**  
 County Of  
**Solano**  
 State Of  
**California**

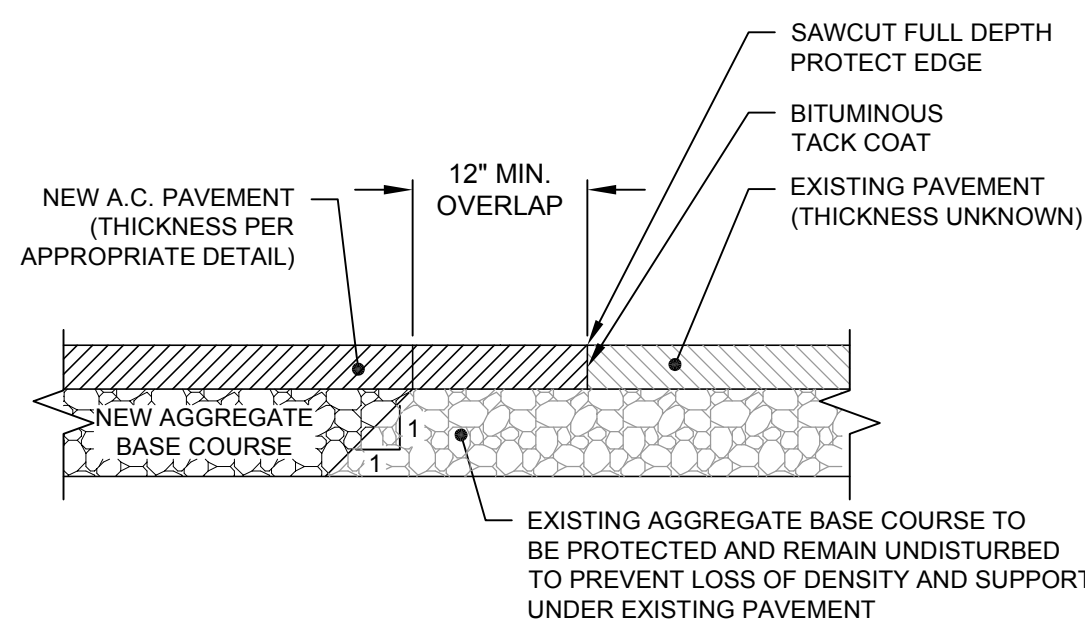
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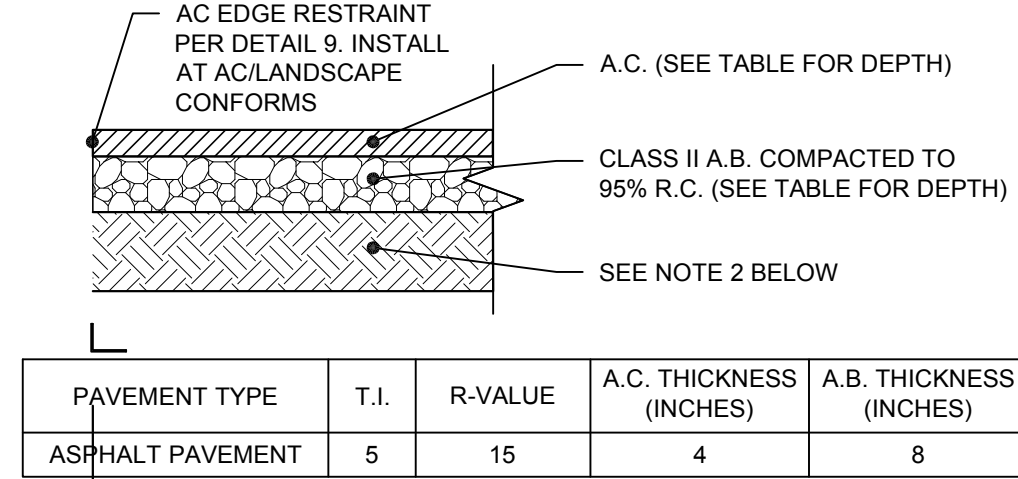
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 Date: 01/28/20  
 Project Number: 1910179  
 Plan File:

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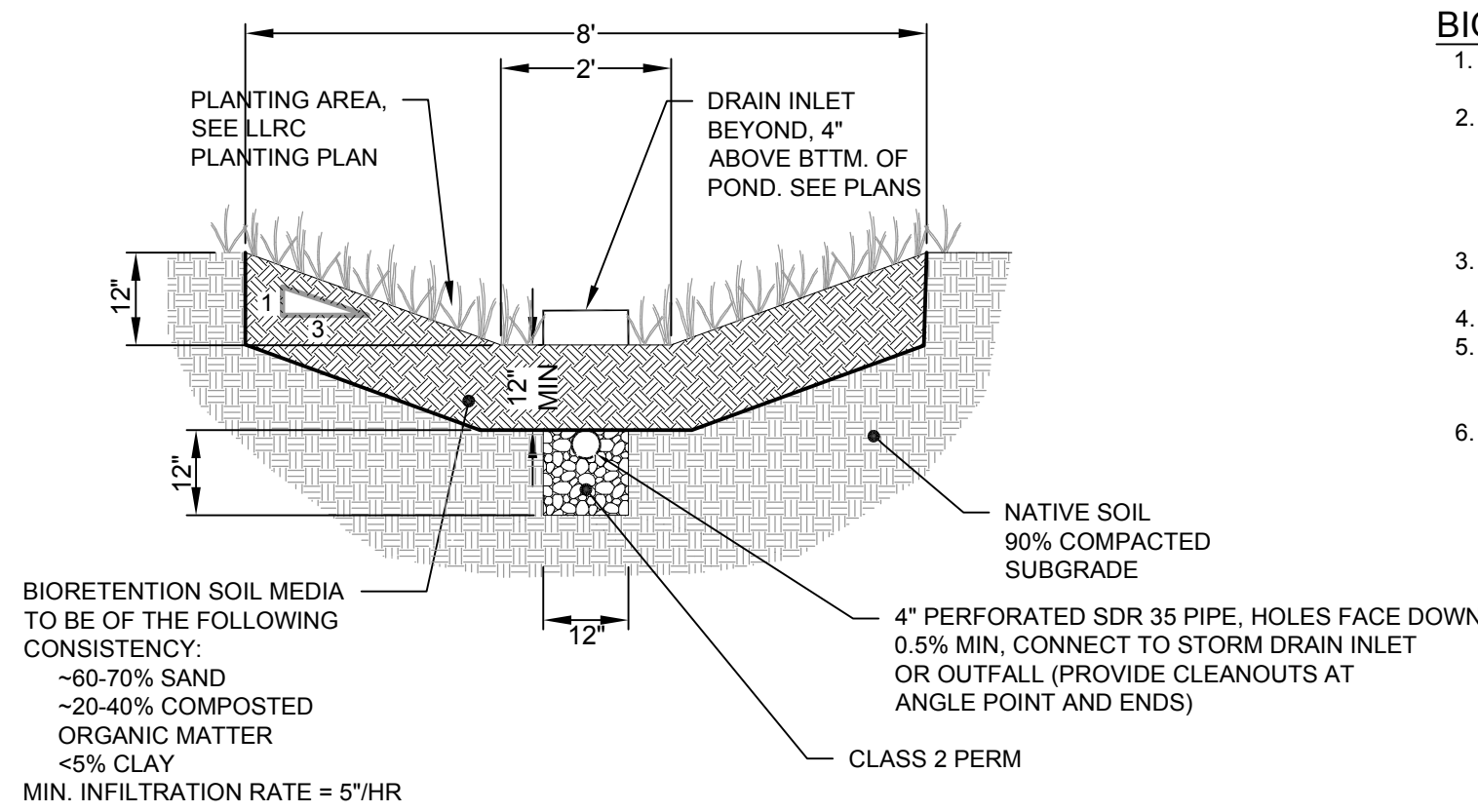
**NOTE:**  
1. REFER TO ASPHALT PAVEMENT SECTION DETAIL FOR DIMENSIONS, SUBGRADE PREPARATION AND OTHER REQUIREMENTS.

**1 ASPHALT PAVEMENT SAWCUT/CONFORM**  
SCALE: 1" = 1"



**NOTES:**  
1. PAVEMENT SECTIONS ARE BASED ON AN ASSUMED "R" VALUE AS SHOWN ABOVE. ADJUST DIMENSIONS PER FIELD CONDITIONS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

**2 STANDARD ASPHALT PAVEMENT SECTION**  
SCALE: 1" = 1"

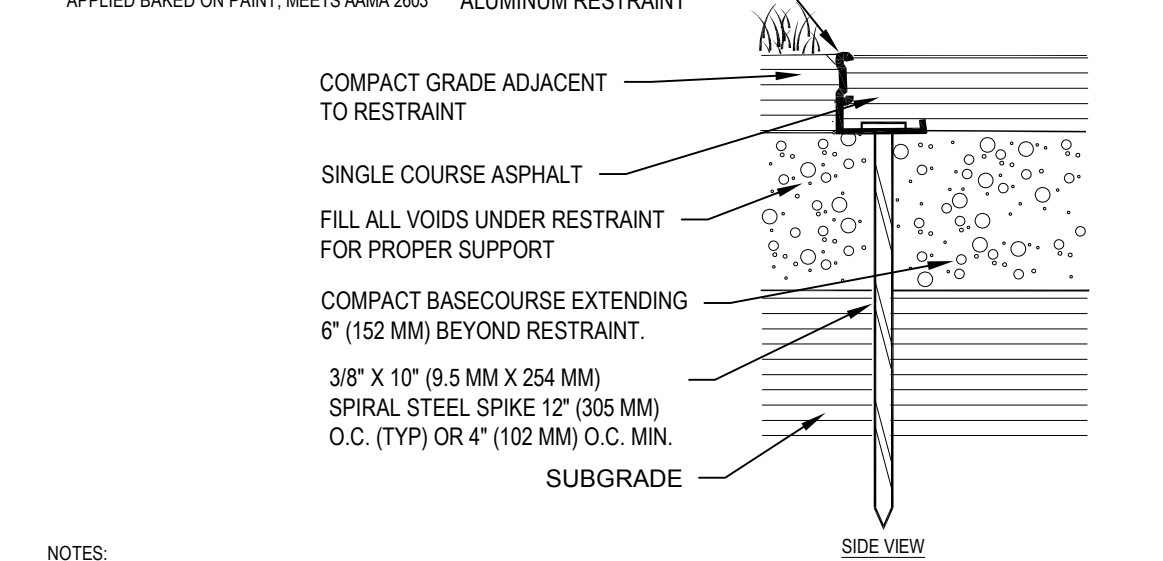


**3 BIORETENTION AREA**  
SCALE: 1" = 2"

ASPHALT RUNNING TRACK RESTRAINING SINGLE COURSE OF ASPHALT OVER COMPACT GRAVEL  
BASE CAD FILES AE-1  
SELECT DESIRED SIZE (IN 8' (2.44 M) LENGTHS WITH 2" (5.33 MM) THICK EXPOSED TOP LIP):

- 1" X 2.25" (25 MM X 57 MM)
- 1.5" X 2.25" (38 MM X 57 MM)
- 2" X 2.25" (51 MM X 57 MM)
- 2.5" X 2.25" (64 MM X 57 MM)
- 3" X 3" (76 MM X 76 MM)
- 4" X 3" (102 MM X 76 MM)

SELECT DESIRED FINISH:  
 MF - MILL FINISH-NATURAL ALUMINUM  
 BL - BLACK DURAFLEX-ELECTROSTATICALLY APPLIED BAKED ON PAINT; MEETS AAMA 2603



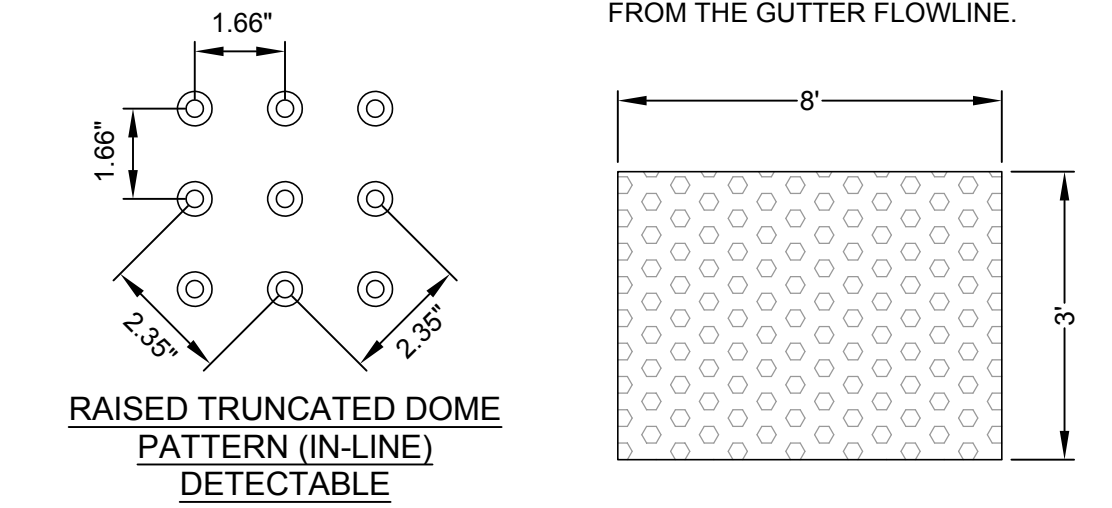
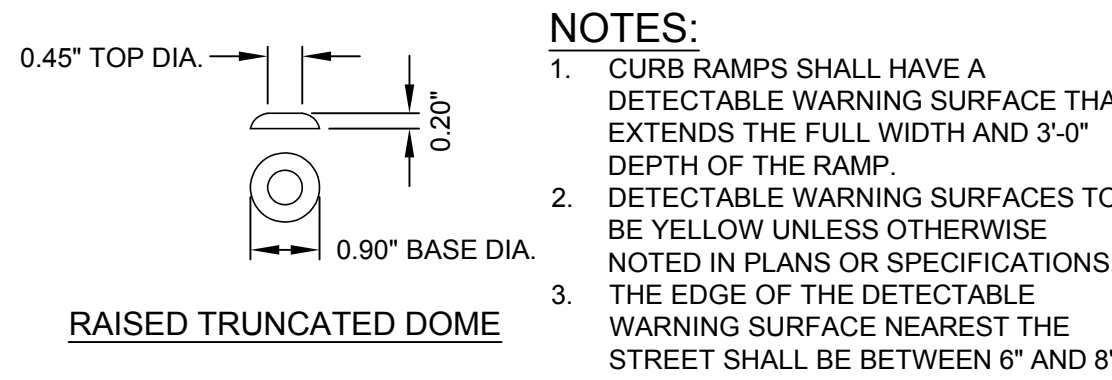
**NOTES:**  
1. INSTALL PER MANUFACTURER'S "INSTALLATION GUIDELINES".  
2. 6" (152 MM) SECTIONS CONNECTED WITH 4" (102 MM) SLIDING CONNECTOR.  
3. MAINTAIN 3/8" (9.5 MM) GAP BETWEEN SECTIONS TO ALLOW FOR PRODUCT EXPANSION IN EXTREME TEMPERATURES.  
4. CORNERS: NOTCH BASE ONLY AND FORM A CONTINUOUS CORNER.  
5. PERMALOC ASPHALT EDGE AS MANUFACTURED BY PERMALOC CORPORATION.  
6. DO NOT SCALE DRAWING.  
7. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.  
8. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.  
9. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 006-055.

**9 ASPHALT EDGE DETAIL**  
SCALE: 1" = 1"

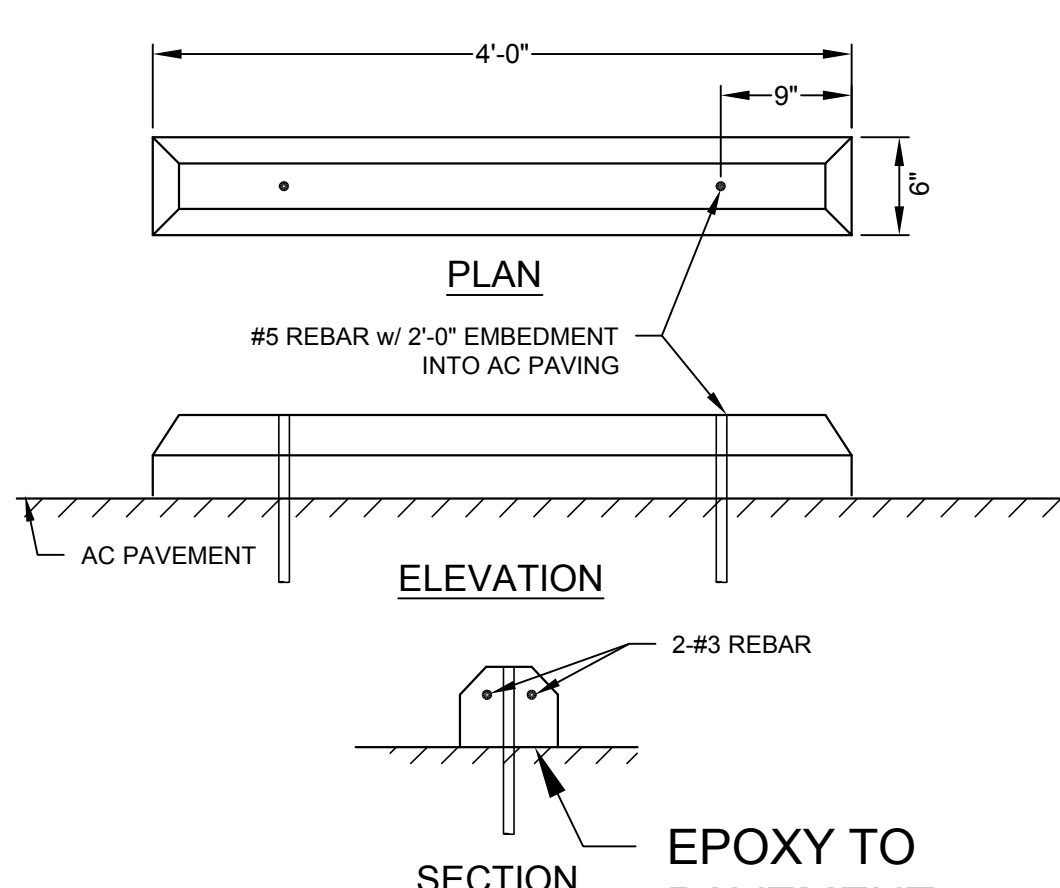
**NOTES:**  
1. UTILITY TRENCH CONSTRUCTION SHALL CONFORM TO THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.  
2. EXCAVATE FOR BELLS OR HUBS SO FULL LOAD IS CARRIED BY PIPE BARRELS.  
3. BEDDING AND COVER: SAND OR FINE GRAVEL WITH LESS THAN 10% FINES.  
4. BEDDING SHALL BE PLACED IN A MANNER SUCH AS SLICING, SHOVEL-SPADING, OR SHOVEL RODDING TO ENSURE COMPLETE FILLING OF THE "HAUNCH AREAS" BELOW THE PIPE. JETTING IS NOT PERMITTED.  
5. SUBGRADE TO BE FREE OF PROTRUDING OBJECTS.  
6. BACKFILL MAY BE NATIVE SOIL THAT MEETS THE CRITERIA FOR FILL AS DESCRIBED IN THE GEOTECHNICAL REPORT.  
7. WHERE LESS THAN 18" BETWEEN BOTTOM OF PAVING SECTION (I.E. BOTTOM OF A.B.) AND TOP OF COVER, BACKFILL TO BE CONTROLLED DENSITY FILL (CDF).  
8. TRENCH SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

**7 PIPE TRENCH DETAIL**  
SCALE: 1" = 1"

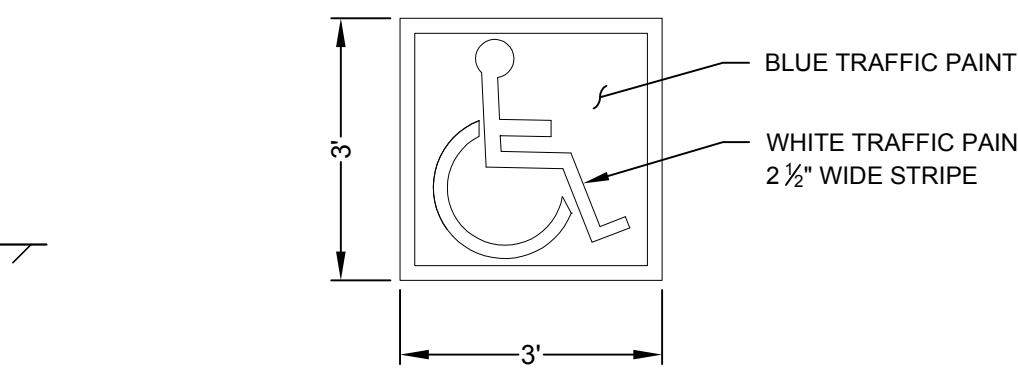
**BIORETENTION AREA CONSTRUCTION NOTES:**  
1. SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BIORETENTION SOIL MEDIA.  
2. INSTALL UNDERDRAIN WITH HOLES FACING DOWN. UNDERDRAIN DISCHARGE ELEVATION SHALL BE NEAR TOP OF AGGREGATE LAYER. COMPACT EACH 6" LIFT OF BIORETENTION SOIL MEDIA WITH LANDSCAPE ROLLER OR BY LIGHTLY WETTING. IF WETTING, LET DRY OVERNIGHT BEFORE PLANTING.  
3. NEVER WORK WITHIN BIORETENTION AREA LIMITS DURING RAIN OR UNDER WET CONDITIONS.  
4. KEEP ALL HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.  
5. CONTRACTOR SHALL PROVIDE SUBMITTALS CERTIFYING CLASS 2 PERM MEETS CALTRANS SPECIFICATION 68-2.02(3) AND BIORETENTION SOIL MEET REQUIREMENTS OF BASMAA POST-CONSTRUCTION MANUAL. CONTRACTOR SHALL NOTIFY CIVIL ENGINEER 48 HOURS PRIOR TO INSTALLATION OF CLASS 2 PERM AND BIORETENTION SOIL FOR INSPECTION.



**10 TRUNCATED DOMES DETAIL**  
SCALE: NTS



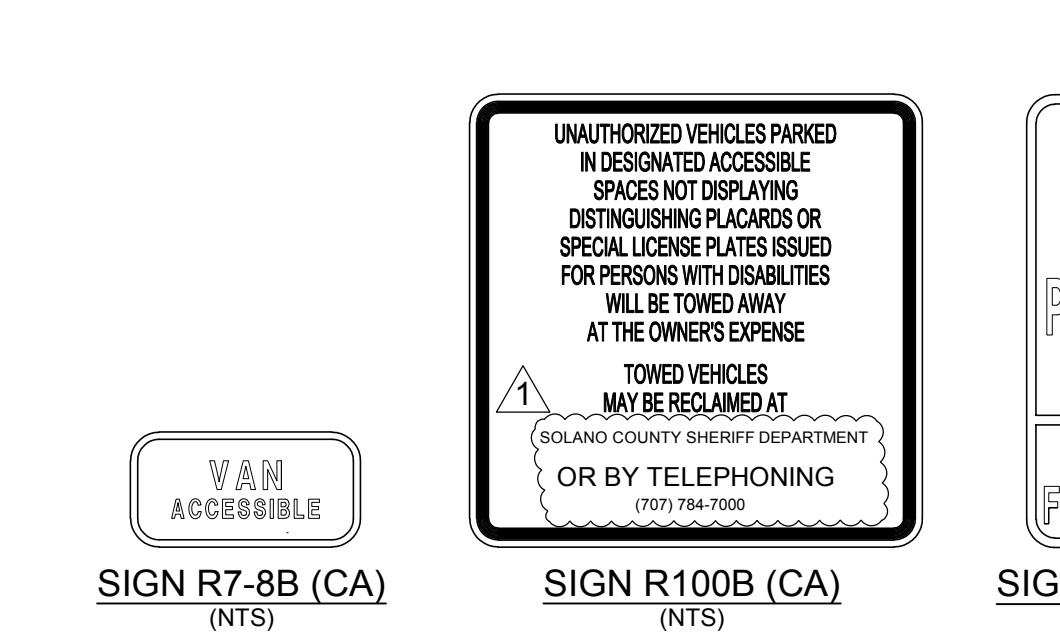
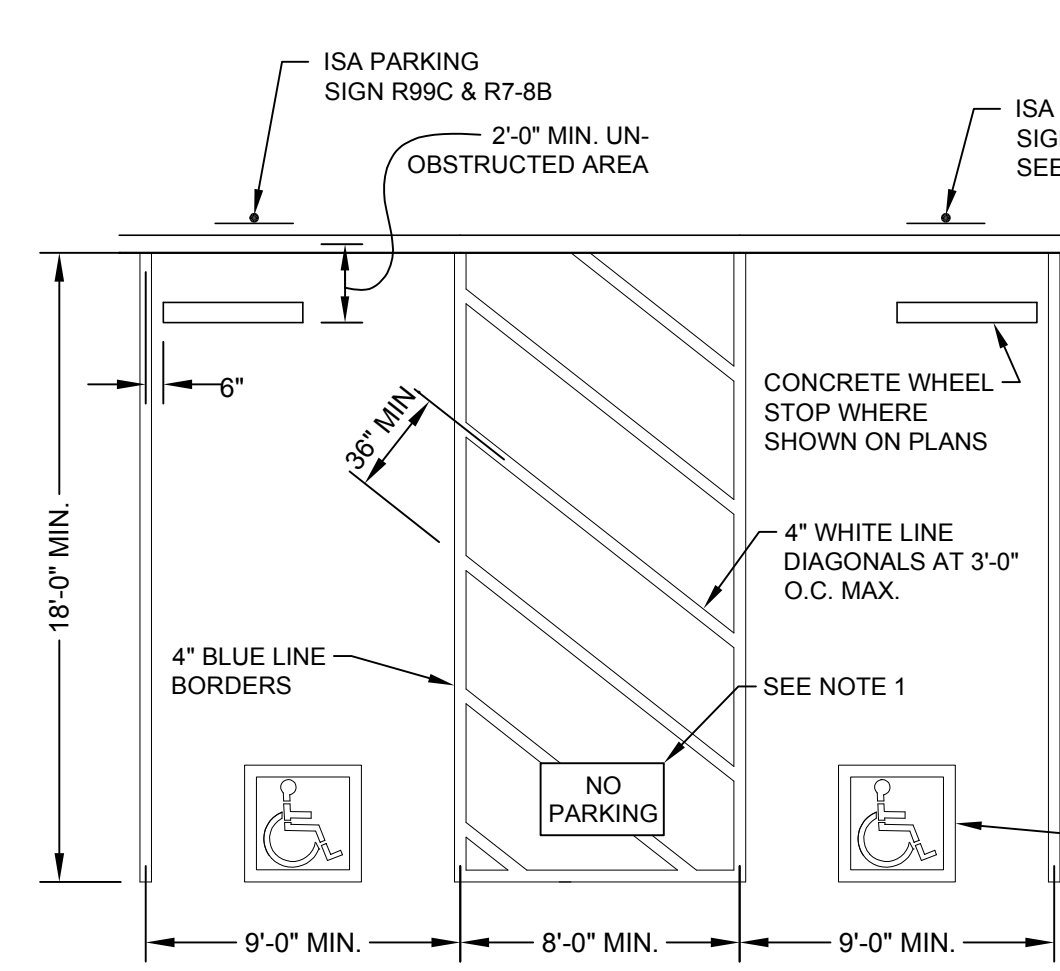
**4 WHEEL STOP DETAIL**  
SCALE: N.T.S.



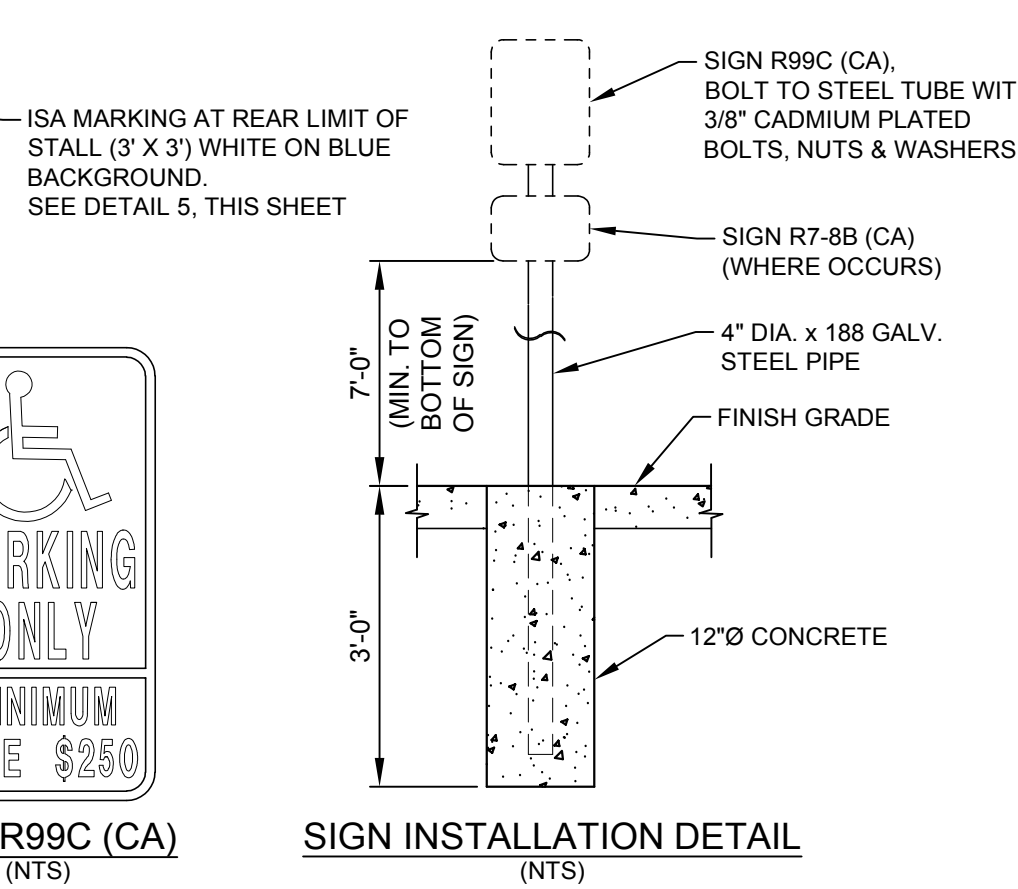
**NOTE:** EMBLEM MUST BE LOCATED IN STALL SO THAT IT IS VISIBLE BY A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE (CENTER AT ENTRANCE TO STALL IS RECOMMENDED).

**5 SYMBOL OF ACCESSIBILITY**  
SCALE: 1/2" = 1"

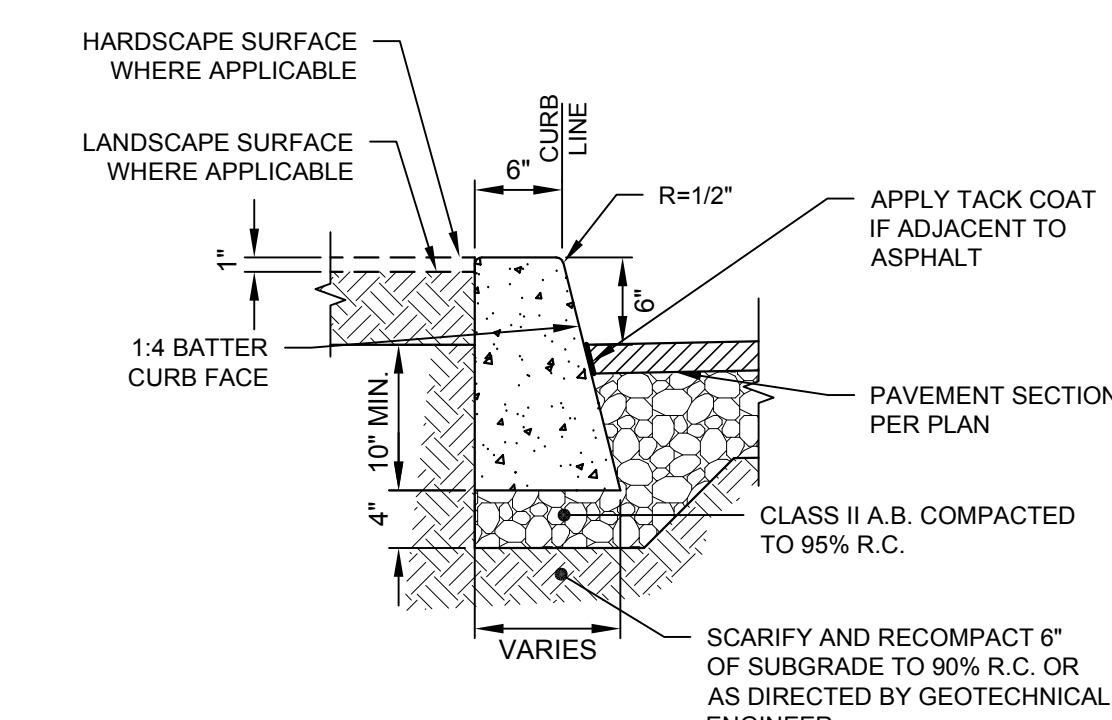
**NOTES:**  
1. THE WORDS "NO PARKING", SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 1'-0" HIGH AND LOCATED SO THAT VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. SEE REVISED CALTRANS STD. PLAN RSP A90B FOR DETAILS OF THE "NO PARKING" PAVEMENT MARKING.  
2. WHERE A SINGLE (NON-VAN) ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.  
3. A R100B (CA) SIGN SHALL BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL. THE SIGN SHALL INCLUDE THE ADDRESS WHERE THE TOWED VEHICLE MAY BE RECLAIMED AND THE TELEPHONE NUMBER OF THE LOCAL TRAFFIC LAW ENFORCEMENT AGENCY. LOCATION OF SIGNS TO BE DETERMINED IN THE FIELD WITH SUECCO REPRESENTATIVE).  
4. ISA = INTERNATIONAL SYMBOL OF ACCESSIBILITY.  
5. EXISTING SIGNAGE AND/OR POSTS FOR STALLS BEING RECONSTRUCTED MAY BE RE-USED PROVIDED THEY CONFORM WITH THIS DETAIL AND MATCH NEW SIGNAGE.



**6 DOUBLE ACCESSIBLE PARKING STALL**  
SCALE: 1" = 5"



**8 STANDARD CONCRETE CURB**  
SCALE: 1" = 1"



**NOTES:**  
1. WHERE CONCRETE WALK IS ADJACENT TO CURB, PROVIDE ISOLATION JOINT BETWEEN WALK AND BACK OF CURB.  
2. CONTROL JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 10' INTERVALS O.C. - ALL SIDES EXCEPT BOTTOM.  
3. WHERE WALK IS ADJACENT TO CURB, THE JOINTS SHALL ALIGN WITH THE JOINTS IN THE CURB.  
4. GEOTECHNICAL ENGINEER TO OBSERVE SOIL CONDITIONS PRIOR TO THE POURING OF CONCRETE.

**8 STANDARD CONCRETE CURB**  
SCALE: 1" = 1"

Rev	Date	Description	Designed	Drawn	Checked
A	02/28/22	2ND SUBMITTAL TO CITY OF VACAVILLE			
B	11/12/21	2ND SUBMITTAL TO COUNTY			
C	05/27/21	CD SUBMITTAL TO THE COUNTY			
D	03/09/21	CD SUBMITTAL TO THE DISTRICT			
E	10/09/20	CD SUBMITTAL TO THE DISTRICT			
F	05/27/20	DD SUBMITTAL TO DISTRICT			

# GENERAL NOTES

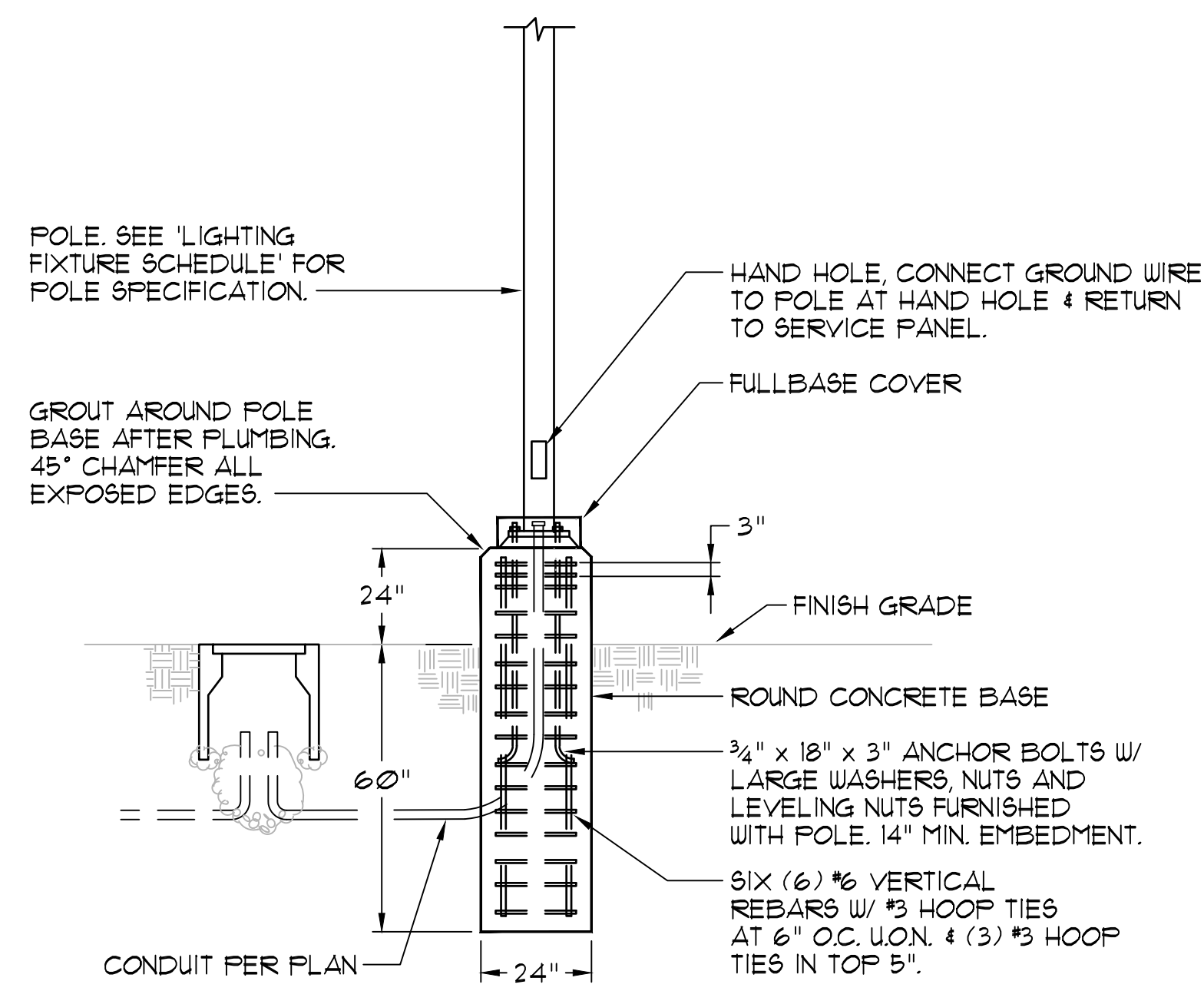
- FOR ALL UNDERGROUND CONDUITS, USE CAUTION WHEN TRENCHING NOT TO DAMAGE EXISTING CONDUIT, FULL BOXES, TREES, ETC. CUT & PATCH (E) CONCRETE, ASPHALT, LAWN, ETC. TO MATCH (E) CONDITIONS. IF ANY DAMAGE OCCURS TO EXISTING CONDUITS, IRRIGATION LINES, SEWER, ETC. THE CONTRACTOR SHALL REPAIR THE DAMAGE AT THEIR OWN COST TO LIKE NEW CONDITIONS.
- MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE DEVICE. ALL MOUNTING HEIGHTS SHALL BE AS SHOWN ON THE SYMBOLS LIST UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- THE CONTRACTOR SHALL VISIT THE PROJECT JOB SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND SHALL INCLUDE IN THE BID NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS, SPECIFICATIONS AND ALL APPLICABLE CODES.
- ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES AND BEAR THEIR LABEL.
- ALL LOCATIONS SHOWN ON PLANS FOR LIGHTING SYSTEM DEVICES ARE APPROXIMATE. COORDINATE EXACT LOCATION IN FIELD.
- CONTRACTOR SHALL REMOVE ALL LEFT OVER WIRE, SCRAP, CONDUIT ETC. AND LEAVE THE PROJECT JOB SITE CLEAN AND FREE OF TRASH AND DEBRIS RESULTING FROM HIS WORK.
- CONTRACTOR SHALL REPORT TO THE OWNER'S ENGINEER ANY OBSERVATIONS OF CONDITIONS WHICH ARE DISCOVERED IN THE BUILDING WHICH WOULD PREVENT THE CORRECT INSTALLATION OF THE ELECTRICAL SYSTEMS.
- CONDUIT ROUTING ON PLANS IS SHOWN DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT CONDUIT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF UTILITIES AND OTHER DISCIPLINES.
- ALL CONDUITS AND RACEWAYS PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH APPROVED SEALANT TO MAINTAIN THE FIRE RATING OF THE FLOOR AND WALL.
- ALL CONDUIT PENETRATIONS THROUGH ROOF AND EXTERIOR WALL SHALL BE SEALED WATERTIGHT.
- COORDINATE ALL CEILING MOUNTED DEVICES WITH NEW LIGHTING FIXTURES TO AVOID CONFLICTS.
- PROVIDE A CEC SIZED INSULATED COPPER GROUND CONDUCTOR IN ALL 120 VOLT THROUGH 600 VOLT FEEDER AND BRANCH CIRCUIT DISTRIBUTION CONDUITS AND CABLES UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL REFER TO POWER PLANS FOR THE LOCATION OF ALL PANELBOARDS.
- FURNISH AND INSTALL ALL PANELBOARDS WITH CIRCUIT BREAKERS AS SHOWN ON PANEL SCHEDULES.
- CONTRACTOR SHALL REFER TO ONE LINE DIAGRAM AND PANEL SCHEDULES FOR COMPONENTS OF THE ELECTRICAL SYSTEM.
- LIGHTING AND POWER PLANS TYPICALLY INDICATE HOMERUNS WITH CIRCUIT NEXT TO DEVICES. CONTRACTOR SHALL ROUTE BRANCH CIRCUITS BASED ON CIRCUITING SHOWN AND SWITCH CONFIGURATIONS.
- CONTRACTOR SHALL PAINT ALL EXPOSED CONDUITS TO MATCH ADJACENT MATERIAL COLOR.
- ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2019 CALIFORNIA ELECTRICAL CODE.

LIGHTING FIXTURE SCHEDULE								
TYPE	MANUFACTURER	FIXT. VOLT.	LAMPS		INPUT V.A.	WEIGHT	MOUNTING	REMARKS
			NO.	TYPE				
F	LITHONIA D5X0 LED-F2-40K- T3M-MVOLT-5PA-PIRH- DDBXD ON A 555-18-4C -DM19A5-DDBXD POLE.	MVOLT		LED	49	16 LBS	POLE MOUNTED LIGHT FIXTURE 18'-0" POLE & 2'-0" BASE SEE A/E1.0	POLE MOUNTED LED FIXTURE. MOUNT POLE ON 2'-0" BASE TO PROTECT AGAINST DAMAGE FROM VEHICLES.
PI	LITHONIA D5X0 LED-F2-40K- T3M-MVOLT-5PA-PIRH- DDBXD ON A 555-18-4C -DM19A5-DDBXD POLE.	MVOLT		LED	49	16 LBS	POLE MOUNTED LIGHT FIXTURE 18'-0" POLE & 2'-0" BASE SEE A/E1.0	POLE MOUNTED LED FIXTURE. MOUNT POLE ON 2'-0" BASE TO PROTECT AGAINST DAMAGE FROM VEHICLES.
F2	LITHONIA (2) D5X0 LED-F2-40K- T3M-MVOLT-5PA-PIRH- DDBXD ON A 555-18-4C -DM28A5-DDBXD POLE.	MVOLT		LED	98	32 LBS	POLE MOUNTED LIGHT FIXTURE 18'-0" POLE & 2'-0" BASE SEE A/E1.0	(2) POLE MOUNT LED FIXTURES. MOUNT POLE ON 2'-0" BASE TO PROTECT AGAINST DAMAGE FROM VEHICLES.
W	LITHONIA D5XW LED-10C-100- 40K-T3M-MVOLT-PIRH- DDBXD.	MVOLT		LED	26.2	12 LBS	SURFACE WALL, 15'-0" TO BOTTOM OF LENS.	LED WALL PACK LIGHT FIXTURE WITH SURFACE MOUNT BRACKET.

ELECTRICAL SYMBOLS	
	LIGHT FIXTURE - WALL MOUNTED
	LIGHT FIXTURE - POLE MOUNTED
NOTE: LETTER INDICATES FIXTURE TYPE - SEE FIXTURE SCHEDULE.	
	SINGLE POLE TOGGLE SWITCH, #44" UON
	FUSED DISCONNECT SWITCH WITH TIME DELAY FUSES SIZED PER UNIT NAMEPLATE OR AS NOTED. DISCONNECT SHALL ACCEPT MAXIMUM RECOMMENDED FUSE SIZE.
	JUNCTION BOX, SIZE AND TYPE AS REQUIRED
	FULLBOX, SIZE AND TYPE AS REQUIRED
	SWITCHBOARD, SEE ONE LINE DIAGRAM
	BRANCH CIRCUIT PANEL, SEE PANEL SCHEDULES
	SIGNAL OR CONTROL PANEL, TYPE AS INDICATED
	TELEPHONE TERMINAL BOARD, SIZE AS INDICATED
	IDENTIFICATION TAG FOR EQUIPMENT PROVIDED BY M.C. CONNECT EQUIPMENT AS INDICATED OR AS REQUIRED.
	NUMBERED NOTE TAG - SEE NUMBERED NOTES, SAME SHEET
	INDICATES DETAIL "A" AT SHEET "E1"

WIRE AND CONDUIT LEGEND	
	CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING.
	CONDUIT RUN UNDERFLOOR OR UNDERGROUND.
	HOME RUN, NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS IN HOME RUN.
	FLEXIBLE CONDUIT
	FACTORY WHIP
	NO CROSSBARS ON CONDUIT INDICATE 1/2" CONDUIT WITH TWO #12 AWG CONDUCTORS & ONE #12 AWG GND. CROSSBARS INDICATE NUMBER OF #12 AWG CONDUCTORS IN CONDUIT IN ADDITION TO #12 AWG GND. CONDUCTOR SIZE OTHER THAN #12 NOTED ON DRAWING. CONDUIT SIZE OTHER THAN 1/2" NOTED ON DRAWING.
	CONDUIT UP.
	EXAMPLE: THREE CIRCUITS IN HOME RUN - FOUR #10 AWG CONDUCTORS AND ONE #10 AWG GROUNDING CONDUCTOR IN 3/4" C.

ABBREVIATIONS LIST			
A	AMPERE	J-BOX	JUNCTION BOX
A/C	AIR CONDITIONING	KVA	KILO VOLT AMP
AFF.	ABOVE FINISHED FLOOR	KW	KILOWATT
AL	ALUMINUM	LV	LOW VOLTAGE
AS	AMP SWITCH	M.C.	MECHANICAL CONTRACTOR
A.T.S.	AUTOMATIC TRANSFER SWITCH	MCC	MOTOR CONTROL CENTER
AWG	AMERICAN WIRE GAUGE	MECH.	MECHANICAL
BC	BARE COPPER	MH	METAL HALIDE
BD.	BOARD	MISC.	MISCELLANEOUS
B.F.C.	BELOW FINISHED CEILING	MSB	MAIN SWITCHBOARD
BKR	BREAKER	MV	MERCURY VAPOR
BLDG.	BUILDING	(N)	NEW
C.	CONDUIT	N.I.C.	NOT IN CONTRACT
C/B	CIRCUIT BREAKER	N.I.S.	NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECS.
CKT.	CIRCUIT	NL	NIGHT LIGHT
CLG.	CEILING	NO.	NUMBER
CO.	CONDUIT ONLY, WITH FULL LINE	NTS	NOT TO SCALE
CJ	COPPER	O.C.	ON CENTER
DISC.	DISCONNECT	P	POLE
(E)	EXISTING	P.C.	PLUMBING CONTRACTOR
EA	EACH	PH	PHASE
E.C.	ELECTRICAL CONTRACTOR	PLUMB.	PLUMBING
ELECT.	ELECTRICAL	PLY.	PLYWOOD
EMERG.	EMERGENCY	PNL	PANEL
EMT	ELECTRICAL METALLIC TUBING	PRI.	PRIMARY
EQUIP.	EQUIPMENT	PVC	POLYVINYL CHLORIDE
EW/C	ELECTRICAL WATER COOLER	REQD.	REQUIRED
EUH	ELECTRIC WATER HEATER	RFL	ROOM
EXIST.	EXISTING	RSC	RIGID STEEL CONDUIT
(F)	FUTURE	SEC.	SECONDARY
F.A.C.P.	FIRE ALARM CONTROL PANEL	SQ.	SQUARE
FLUOR.	FLUORESCENT	SW	SWITCH
FT.	FOOT	TEL.	TELEPHONE
G.C.	GENERAL CONTRACTOR	TTB	TELEPHONE TERMINAL BOARD
GND.	GROUND	TTT	TELEPHONE TERMINAL CABINET
GYP.	GYPSUM	TYP.	TYPICAL
H.I.D.	HIGH INTENSITY DISCHARGE	UG	UNDERGROUND
HP.S.	HIGH PRESSURE SODIUM	UON	UNLESS OTHERWISE NOTED
HP	HORSEPOWER	UPS	UNINTERRUPTED POWER SUPPLY
HT.	HEIGHT	V	VOLTS
HV	HIGH VOLTAGE	W	WEATHERPROOF
I/C	INTERCOM	W	WATT
IMC	INTERMEDIATE METALLIC CONDUIT	W/O	WITHOUT
INCAN.	INCANDESCENT	XFR.	TRANSFORMER
IG	ISOLATED GROUND		AND
ISC	SHORT CIRCUIT INTERRUPTING CURRENT	*	PHASE



- NOTES
- POLE SHALL WITHSTAND 100 MPH WINDS.

**LIGHT POLE BASE DETAIL**  
SCALE: NONE



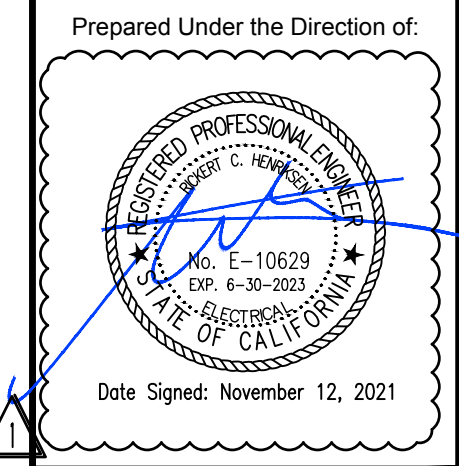
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			CD SUBMITTAL TO THE DISTRICT	03/09/21	
			CD SUBMITTAL TO THE DISTRICT	10/09/20	
			DD SUBMITTAL TO DISTRICT	05/27/20	

**AERONAUTICS IMPROVEMENTS**  
**ELECTRICAL SCHEDULES**  
**SYMBOLS & NOTES**  
**SOLANO COMMUNITY COLLEGE**

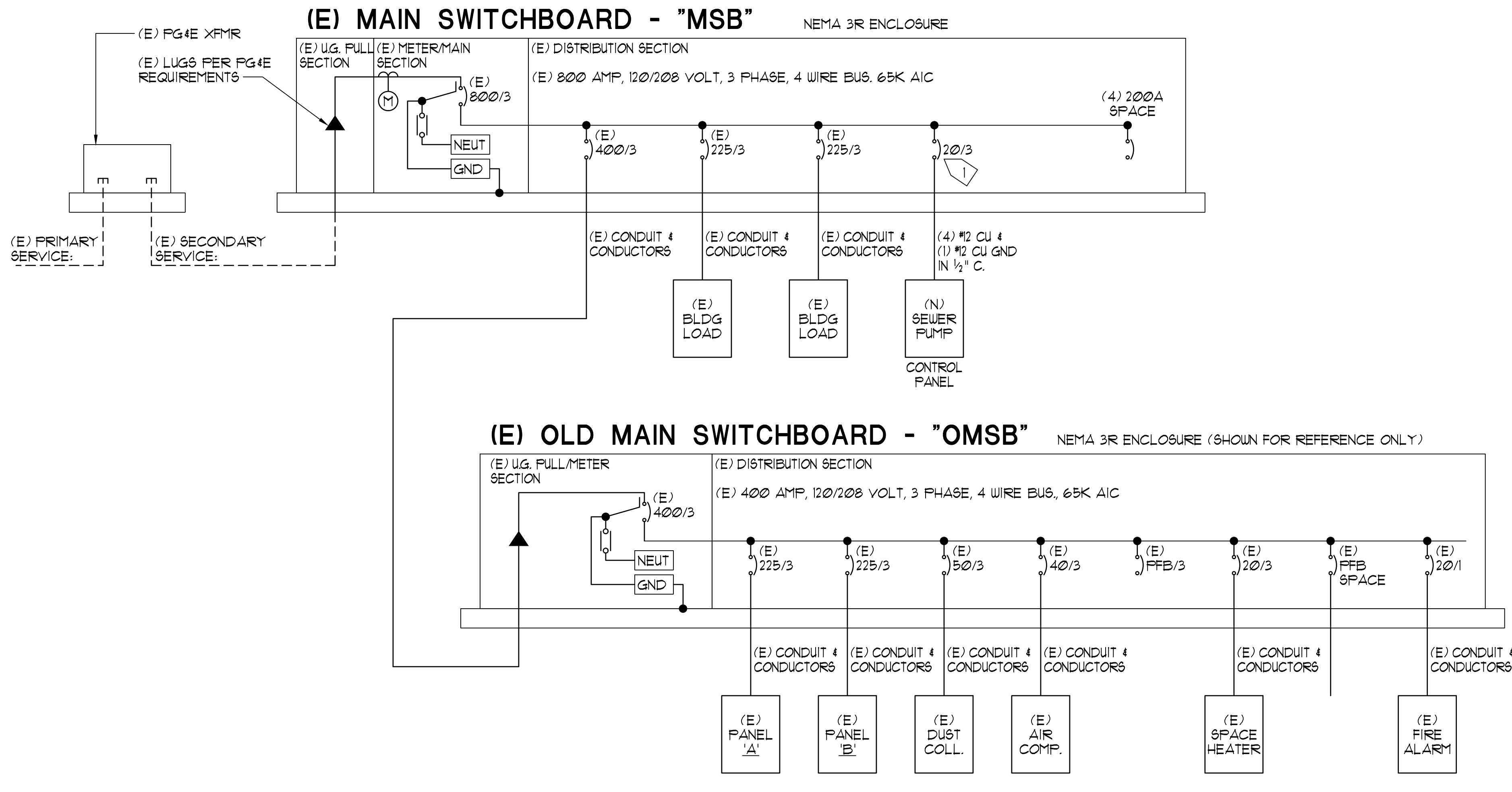
City Of  
**Vacaville**

County Of  
**Solano**

State Of  
**California**



Sheet	<b>E1.0</b>
Scale:	AS NOTED
Date:	02/23/21
Project Number:	1910179
Plan File:	



**NUMBERED NOTES**

1 PROVIDE A NEW 20 AMP, 208 VOLT, 3 PHASE CIRCUIT BREAKER AND INSTALL IN (E) SPACE. CONNECT ELECTRICAL CONDUCTORS TO CIRCUIT BREAKER AND ROUTE OVER TO NEW SEWER PUMP CONTROL PANEL AS SHOWN. SEE SHEET E2.0 FOR EXACT LOCATION OF CONTROL PANEL AND PUMP.

**ONE LINE DIAGRAM**  
NO SCALE

**A**  
**E1.1**

EXISTING 120/208V, 3 Ph. 4W. SURFACE MOUNTED PANEL 'A'												
DESCRIPTION	225 AMP BUS				ISC				SURFACE MOUNTED NEMA 1			
	KVA	BKR	CKT	Ph. A Ph. B Ph. C	CKT	BKR	KVA	DESCRIPTION	CKT	BKR	KVA	DESCRIPTION
1 RECPTS N WALL SHOP	1.0	20/1	1	2.5		2	20/2	1.5	LIGHTS SHOP	1		
1 RECPTS W WALL SHOP	1.0	20/1	3		2.5	4		1.5	LIGHTS SHOP	1		
1 RECPTS S WALL SHOP	1.0	20/1	5		2.5	6	20/2	1.5	LIGHTS SHOP	1		
1 RECPTS S WALL SHOP	1.0	20/1	7	2.5		8		1.5	LIGHTS SHOP	1		
1 SHUNT TRIP	1.0	20/1	9		2.5	10	20/2	1.5	LIGHTS SHOP	1		
1 THERMOSTAT/CLOCK	0.2	20/1	13	1.2		14	20/2	1.0	LIGHTS C.R./OFFICE	1		
1 RECPTS OFF/TOOL/CR	1.0	20/1	15		2.0	16		1.0	LIGHTS OFF/TOOL RM	1		
1 (N) OFFICE RECPTS	1.0	20/1	17		1.2	18	20/2	0.2	PHOTOCCELL W/TIMER	1		
1 (N) OFFICE RECPTS	1.0	20/1	19	1.5		20		0.5	LIGHTS EXIT	1		
1 (N) OFFICE RECPTS	1.0	20/1	21		1.5	22	20/1	0.5	TEST CEIL/LTS/WEF	1		
1 (N) OFFICE RECPTS	1.0	20/1	23		1.0	24	20/1		SPARE	1		
1 COMP. CIRCUIT W. #1	1.0	20/1	25	1.2		26	20/1	0.2	SHOP LIGHTS RELAY	1		
1 RECPT. TELEPH BD.	0.4	20/1	27		1.4	28	20/1	1.0	COMP. CIRCUIT W #2	1		
2 EXTERIOR LIGHTS		20/1	29			30	20/1		SPARE	1		
2 EXTERIOR LIGHTS		20/1	31	1.0		32	20/1	1.0	PROJECTOR / C.R.	1		
1 SPARE		20/1	33		1.0	34	20/1	1.0	(N) OFFICE LTG	1		
1 SPARE		20/1	35			36	20/1		SPARE	1		
1 SPARE		20/1	37	1.0		38	20/1	1.0	COMP. CIRCUIT	1		
1 BI FOLD DOOR MOTOR	3.0	30/2	39		3.0	40	20/1		SPARE	1		
1			41		4.5	42	20/1	1.5	(N) SERVER AC UNIT	1		
SUBTOTAL: 10.9 13.9 10.2												
CONNECTED LOAD 35.0 KVA												
25% LIGHTING LOAD 2.9 KVA												
25% LARGEST MOTOR 1.5 KVA												
TOTAL LOAD 39.4 KVA / 0.360 FACTOR = 109 AMPS												
1. EXISTING LOAD ON EXISTING CIRCUIT BREAKER TO REMAIN.												
2. NEW LOAD ON EXISTING CIRCUIT BREAKER.												

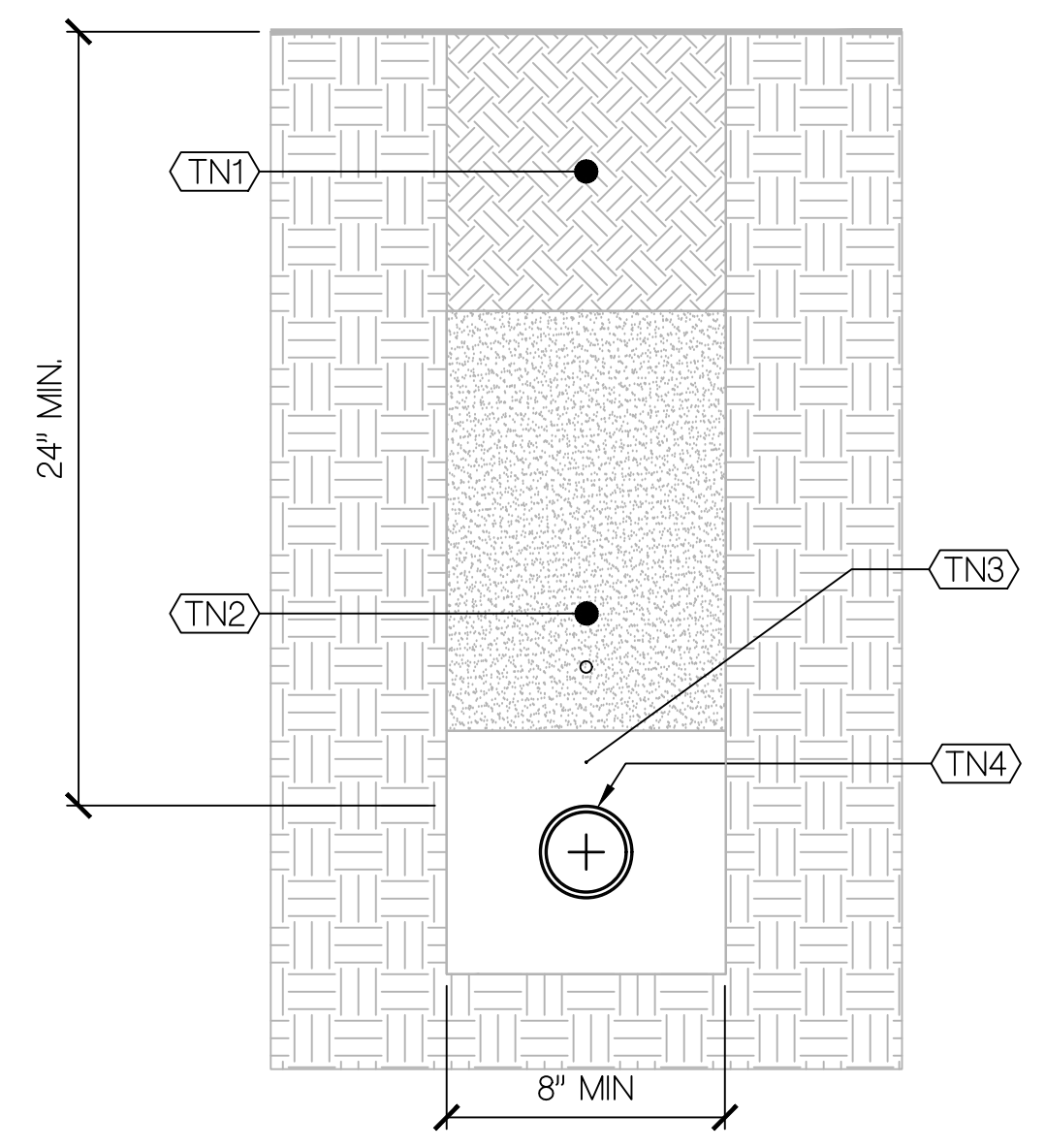
PANEL SHOWN FOR REFERENCE ONLY & SHOWING (E) EXTERIOR LIGHTING CIRCUITS.

EXISTING 120/208V, 3 Ph. 4W. SURFACE MOUNTED PANEL 'B'												
DESCRIPTION	225 AMP BUS				ISC				SURFACE MOUNTED NEMA 1			
	KVA	BKR	CKT	Ph. A Ph. B Ph. C	CKT	BKR	KVA	DESCRIPTION	CKT	BKR	KVA	DESCRIPTION
1 WATER HEATER	1.5	20/1	1	2.5		2	20/1	1.0	EXIST. LOAD	1		
1 ROOF EXH. FAN	0.7	20/1	3		1.9	4	20/1	1.2	HEATER	1		
1 RETURN AIR DRYER	1.5	20/1	5			6	20/3		SPARE	1		
1 BATTERY CHARGER	1.5	20/1	7	1.5		8				1		
1 VALVE GRINDER	1.2	20/1	9		1.2	10				1		
1 MAGNETO TESTER	0.5	20/1	11		0.5	12	20/1		SPARE	1		
1 WELDER	4.5	60/2	13	6.0		14	20/2	1.5	DRILL PRESS	1		
1	4.5		15		6.0	16		1.5		1		
1 SOLVENT TANK	1.5	20/2	17		4.0	18	30/2	2.5	PEDESTAL GRINDER	1		
1	1.5		19	4.0		20		2.5		1		
1 AIR CONDITIONING	4.0	50/2	21		6.5	22	30/2	2.5	BELT SANDER	1		
1	4.0		23		6.5	24		2.5		1		
1 LATHE	3.1	30/3	25	5.1		26	20/3	2.0	BAND SAW	1		
1	3.1		27		5.1	28		2.0		1		
1	3.1		29		5.1	30		2.0		1		
1 ALLIANT MILL	2.0	20/3	31	4.0		32	20/3	2.0	SAND BLASTER	1		
1	2.0		33		4.0	34		2.0		1		
1 SPARE	2.0		35		4.0	36		2.0		1		
1 SPARE		30/3	37			38	30/2		SPARE	1		
1			39			40				1		
1			41			42			SPACE	1		
SUBTOTAL: 23.1 24.7 21.6												
CONNECTED LOAD 69.4 KVA												
25% LIGHTING LOAD KVA												
25% LARGEST MOTOR 2.3 KVA												
TOTAL LOAD 71.7 KVA / 0.360 FACTOR = 199 AMPS												
1. EXISTING LOAD ON EXISTING CIRCUIT BREAKER TO REMAIN.												

PANEL SHOWN FOR REFERENCE ONLY.

**TRENCH NOTES**

- Ⓐ TN1 CONCRETE, ASPHALT, GRASS, ETC TRENCH COVER TO MATCH (E) CONDITIONS.
- Ⓐ TN2 NATIVE BACKFILL WITH 95% COMPACTION. PROVIDE A WARNING TAPE WITH TRACE WIRE 12" ABOVE CONDUIT PER 2019 C.E.C. 300.5.
- Ⓐ TN3 3" SAND ENCASUREMENT ALL SIDES.
- Ⓐ TN4 CONDUIT AS SHOWN ON PLAN. SEE SHEET E2.0.



NOTE: TRENCH BOTTOM MUST BE SQUARE.

**CONDUIT TRENCH DETAIL**  
SCALE: NONE

**B**  
**E1.1**

**SACRAMENTO ENGINEERING CONSULTANTS**  
1555 Old Pasadena Road  
Sacramento, CA 95827-2503  
Phone: (916) 365-4468  
www.secs.com  
REGISTERED IN ALL 50 STATES  
Job No. 21005

Rev	Date	Description	Designed	Drawn	Checked
Δ	11/12/21	2ND SUBMITTAL TO COUNTY			
	05/27/21	DD SUBMITTAL TO THE COUNTY			
	03/09/21	CD SUBMITTAL TO THE DISTRICT			
	10/09/20	CD SUBMITTAL TO THE DISTRICT			
	05/27/20	DD SUBMITTAL TO DISTRICT			

**AERONAUTICS IMPROVEMENTS**  
**ELECTRICAL ONE LINE**  
**DIAGRAM & SCHEDULES**  
**SOLANO COMMUNITY COLLEGE**

City Of  
**Vacaville**  
County Of  
**Solano**  
State Of  
**California**

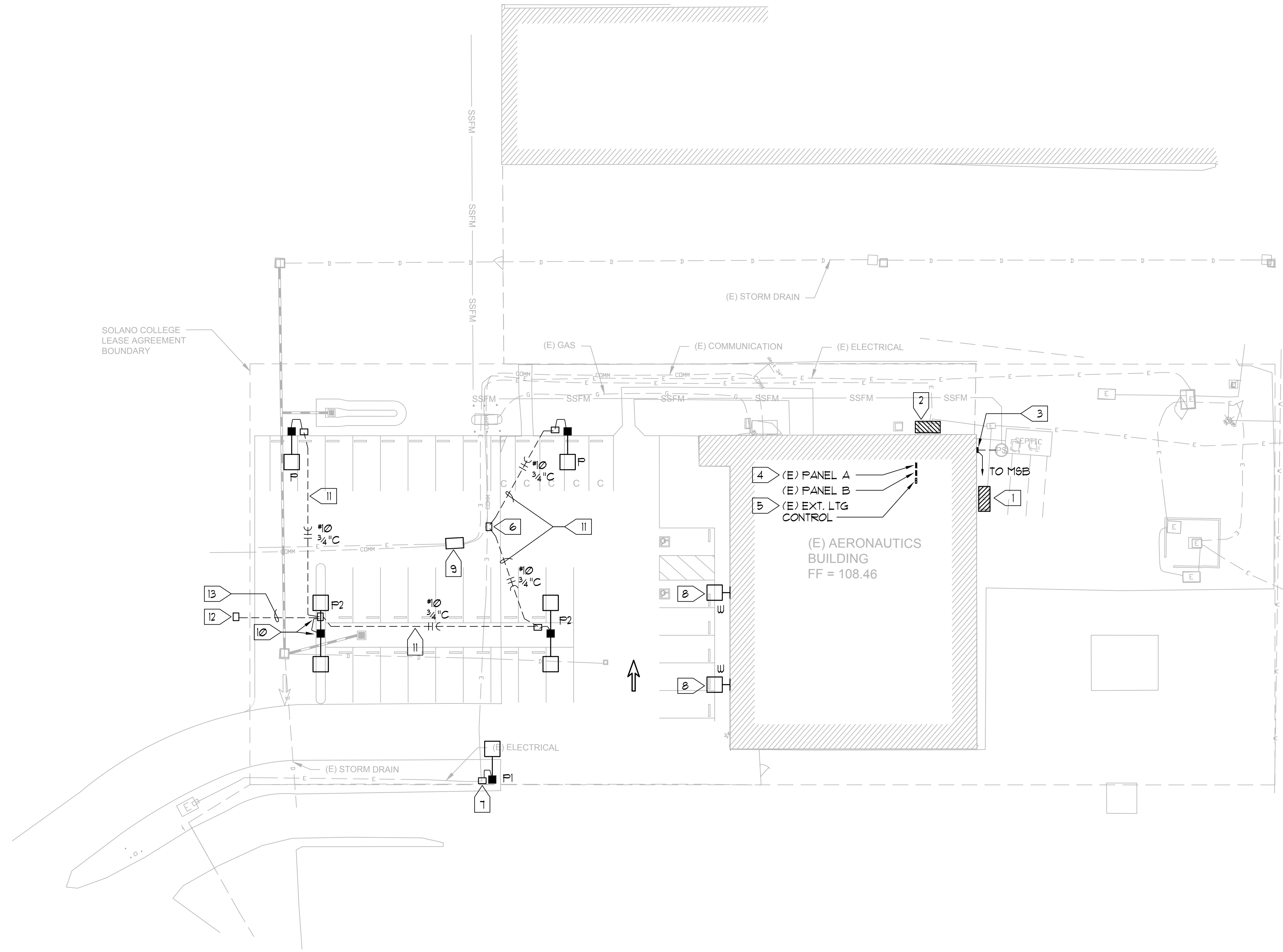
Prepared Under the Direction of:

Date Signed: November 12, 2021

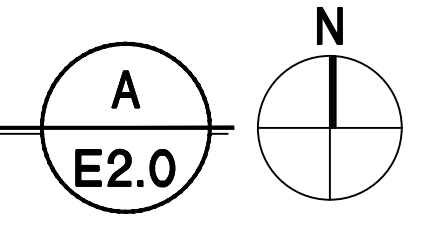
Sheet	<b>E1.1</b>
Scale:	AS NOTED
Date:	02/23/21
Project Number:	1910179
Plan File:	

**NUMBERED NOTES**

- 1 (E) MAIN SWITCHBOARD 'M5B' TO REMAIN. SEE ONE LINE DIAGRAM A/E11 FOR WORK TO (E) M5B.
- 2 (E) OLD MAIN SWITCHBOARD 'OM5B' TO REMAIN. SEE ONE LINE DIAGRAM A/E11.
- 3 NEW SEWER PUMP CONTROL PANEL MOUNTED ON BUILDING. ROUTE NEW POWER CIRCUIT OVER TO M5B AND CONNECT TO NEW CIRCUIT BREAKER. FROM CONTROL PANEL, PROVIDE POWER OVER TO PUMP IN CONDUIT AS SHOWN. SEE ONE LINE DIAGRAM A/E11 FOR SIZE AND QUANTITY OF CONDUIT AND CONDUCTORS. COORDINATE CONNECTION REQUIREMENTS WITH PLUMBING CONTRACTOR AND PUMP MANUFACTURER INSTALLATION REQUIREMENTS FOR A COMPLETE AND OPERATIONAL INSTALLATION.
- 4 (E) PANEL A INSIDE BUILDING TO REMAIN. (E) EXTERIOR LIGHTING CIRCUIT IS LOCATED IN THIS PANEL.
- 5 (E) EXTERIOR LIGHTING RELAY CONTROL WITH TIME CLOCK TO REMAIN.
- 6 (E) 20' LIGHT POLE AND LIGHT FIXTURE TO BE REMOVED. DISCONNECT AND REMOVE FIXTURE AND POLE. PROVIDE A CHRISTY N6 FULL BOX WITH TRAFFIC RATED LID AND EXTENSIONS AND PLACE OVER THE TOP OF THE (E) CONDUITS. CONNECT TO (E) LIGHTING CIRCUIT AND EXTEND TO NEW LIGHT FIXTURES AS SHOWN. BACKFILL AROUND FULL BOX TO MATCH NEW CONDITIONS FOR NEW DRIVEWAY. COORDINATE WITH CIVIL PLANS. PROVIDE BELL ENDS ON NEW CONDUITS.
- 7 (E) 20' LIGHT POLE AND LIGHT FIXTURE TO BE REPLACED WITH NEW LIGHT, POLE AND POLE BASE. DISCONNECT AND REMOVE FIXTURE AND POLE. COIL CONDUCTORS FOR TERMINATION. PROVIDE A CHRISTY N9 FULL BOX, CONCRETE LID AND EXTENSIONS AND PLACE OVER THE TOP OF THE (E) CONDUITS. FROM FULL BOX ROUTE A NEW CONDUIT OVER TO NEW POLE AND ROUTE UP INTO BASE AND POLE PER DETAIL A/E10. CONNECT TO (E) LIGHTING CIRCUIT AND EXTEND TO NEW LIGHT FIXTURE. MAINTAIN (E) CIRCUITING FOR DOWNSTREAM LIGHT AT GATE. BACKFILL AROUND FULL BOX TO MATCH (E) CONDITIONS. PROVIDE BELL ENDS ON NEW CONDUITS.
- 8 (E) WALL PACK LIGHT FIXTURE TO BE REPLACED WITH NEW WALL PACK FIXTURE. DISCONNECT AND REMOVE (E) LIGHT FIXTURE AND INSTALL NEW WALL PACK FIXTURE IN SAME LOCATION. PROVIDE JUNCTION BOX AND BLOCKING AS REQUIRED.
- 9 (E) PG4E HIGH VOLTAGE VAULT WITH NON TRAFFIC RATED LID. CONTRACTOR SHALL COORDINATE WITH PG&E FOR INSTALLATION OF NEW TRAFFIC RATED LID. COORDINATE BACKFILL AROUND VAULT WITH CIVIL PLANS FOR NEW ASPHALT.
- 10 PROVIDE AND INSTALL A NEW POLE MOUNTED LIGHT FIXTURE WITH POLE BASE AND CHRISTY N9 FULL BOX, CONCRETE LID AND EXTENSIONS. BACK FILL AROUND BOX TO MATCH NEW CONDITIONS. ROUTE CIRCUITING SHOWN TO FULL BOX AND FROM FULL BOX UP INTO POLE FOR CONNECTION TO LIGHT FIXTURE. SEE POLE BASE DETAIL A/E10. SEE LIGHTING FIXTURE SCHEDULE ON SHEET E10 FOR NUMBER OF LIGHT FIXTURES PER POLE, HEIGHT OF POLE AND MANUFACTURER OF FIXTURES AND POLE. PROVIDE BELL ENDS ON NEW CONDUITS. TYPICAL OF 4.
- 11 SEE CONDUIT TRENCH DETAIL B/E11 FOR TRENCH REQUIREMENTS.
- 12 PROVIDE AND INSTALL A CHRISTY N9 FULL BOX, CONCRETE LID (LIGHTING) AND EXTENSIONS FOR LIGHTING CIRCUIT TO FUTURE SIGN. BACK FILL AROUND BOX TO MATCH EXISTING CONDITIONS. COORDINATE EXACT LOCATION IN FIELD.
- 13 ROUTE A 1" C.O. WITH FULL ROPE FROM POLE LIGHT FULL BOX TO FULL BOX AS SHOWN. PROVIDE BELL ENDS ON CONDUIT. CONDUIT TO BE USED FOR FUTURE LIGHTING TO FUTURE SIGN.



**SITE LIGHTING & POWER PLAN**  
 SCALE: 1" = 20'-0"



**LIGHTING NOTE**

THE NEW WALL PACK AND POLE MOUNTED LIGHT FIXTURES COMBINED ARE LESS WATTAGE THAN THE EXISTING FIXTURES.

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4	10/09/20	CD SUBMITTAL TO THE DISTRICT			
5	05/27/20	DD SUBMITTAL TO DISTRICT			

**AERONAUTICS IMPROVEMENTS  
 ELECTRICAL SITE  
 LIGHTING & POWER PLAN  
 SOLANO COMMUNITY COLLEGE**

City Of  
**Vacaville**  
 County Of  
**Solano**  
 State Of  
**California**

Prepared Under the Direction of:  
  
 Date Signed: November 12, 2021

Sheet  
**E2.0**  
 Scale: AS NOTED  
 Date: 02/23/21  
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 Plan File:




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Δ	11/12/21	2ND SUBMITTAL TO COUNTY			
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**AERONAUTICS IMPROVEMENTS**  
**ELECTRICAL LIGHTING**  
**PHOTOMETRIC PLAN**  
**SOLANO COMMUNITY COLLEGE**

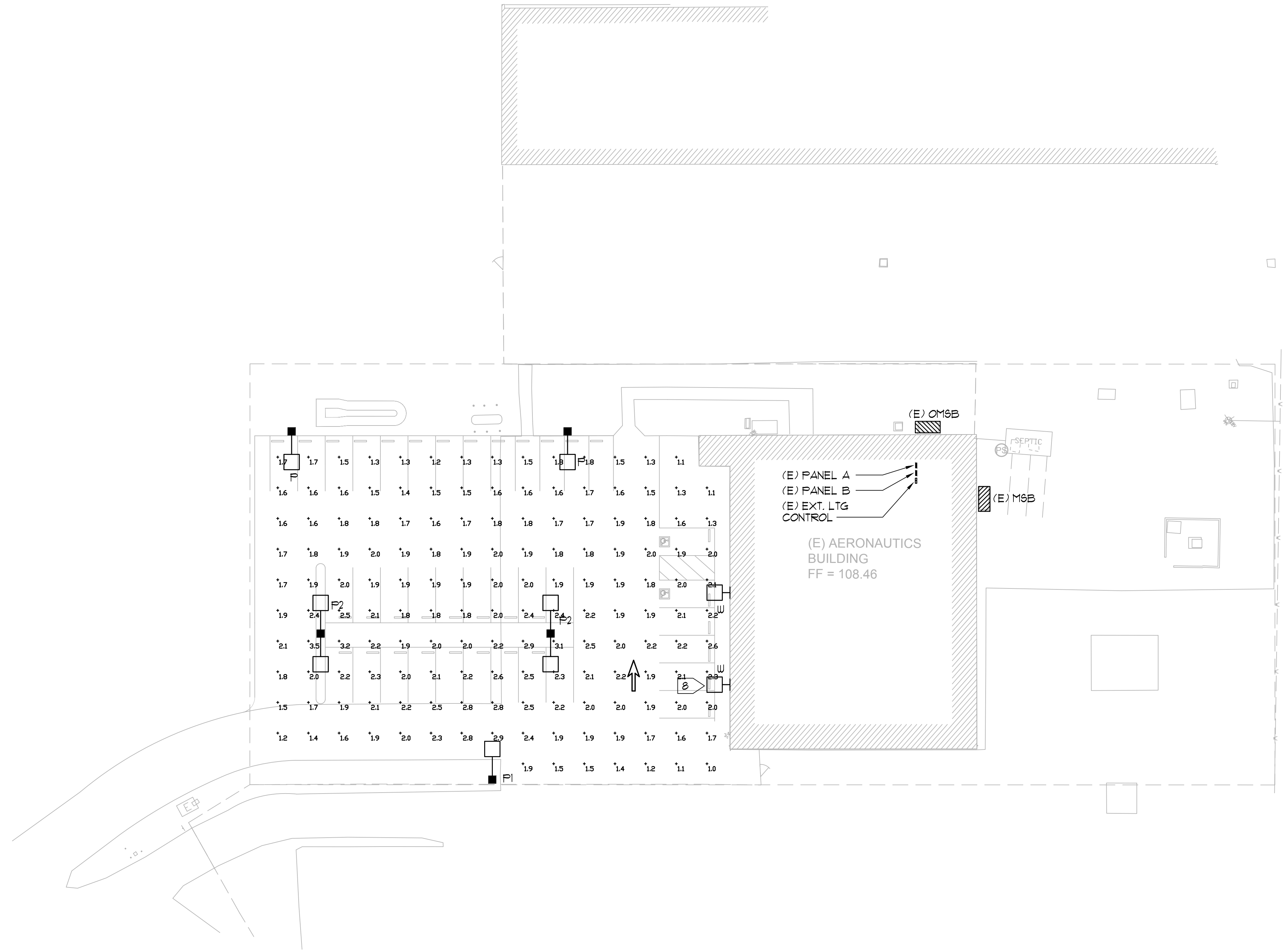
City Of  
**Vacaville**  
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**Solano**  
 State Of  
**California**

Prepared Under the Direction of:

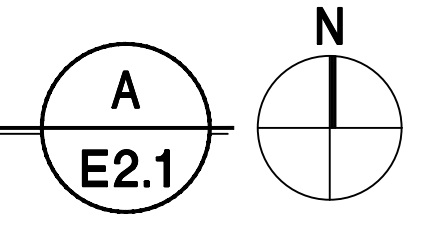


Date Signed: November 12, 2021

Sheet  
**E2.1**  
 Scale: AS NOTED  
 Date: 02/23/21  
 Project Number: 1910179  
 Plan File:



**LIGHTING PHOTOMETRIC PLAN**  
 SCALE: 1" = 20'-0"



STATE OF CALIFORNIA  
**Outdoor Lighting**  
 NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: Solano Community College Aeronautics Improvements  
 Project Address: County Airport Road, Vacaville, CA 95688  
 Report Page: Page 1 of 6  
 Date Prepared: 02/23/21

**A. GENERAL INFORMATION**

01 Project Location (city) Fairfield  
 02 Climate Zone 12  
 03 Outdoor Lighting Zone per Title 24, Part 1 §10-114 or as designated by Authority Having Jurisdiction (AHJ):  
 LZ-0: Very Low - Undeveloped Parkland  LZ-2: Moderate - Rural Areas  LZ-4: High - Must be reviewed by CA Energy Commission for Approval  
 LZ-1: Low - Developed Parkland  LZ-3: Moderately High - Urban Areas

**B. PROJECT SCOPE**

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.  
 My project consists of:  
 01  New Lighting System  
 02  Altered Lighting System  
 Must Comply with Allowances from §140.7  
 Is your alteration increasing the connected lighting load (Watts)?  Yes  No  
 Please proceed to Table F, Outdoor Lighting Fixture Schedule to define the project's luminaires.  
 FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100

**C. COMPLIANCE RESULTS**

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)						Compliance Results		
01	02	03	04	05	06	07	08	09
General Hardscape Allowance §140.7(d)(1)	Per Application §140.7(d)(2)	Sales Frontage §140.7(d)(2)	Ornamental §140.7(d)(2)	Per Specific Area §140.7(d)(2)	Existing Power §141.0(b)(2)	Total Allowed (Watts)	Total Actual (Watts)	07 Must be ≥ 08
(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table M)	(See Table N)		(See Table F)	
Cutoff Compliance (See Table G for Details)						Not Applicable		
Controls Compliance (See Table H for Details)						COMPLIES		

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA  
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CERTIFICATE OF COMPLIANCE  
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Table Continued

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A, while "Use It or Lose It" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use It or Lose It" allowances shall not qualify for another "Use It or Lose It" allowance.

01 "Use it or lose it" Allowances (select all that apply)					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General Hardscape Allowance	Per Application	Sales Frontage	Ornamental	Per Specific Area	
Table I (below)	Table J	Table K	Table L	Table M	

**J. LIGHTING ALLOWANCE: PER APPLICATION**  
 This Section Does Not Apply

**K. LIGHTING ALLOWANCE: SALES FRONTAGE**  
 This Section Does Not Apply

**L. LIGHTING ALLOWANCE: ORNAMENTAL**  
 This Section Does Not Apply

**M. LIGHTING ALLOWANCE: PER SPECIFIC AREA**

Table Instructions: Please complete this table for areas using the wattage allowance per specific area type from Table 140.7-B. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
Area Description	Specific Area Type per Table 140.7-B	Specific Area (ft²) <sup>1</sup>	Allowed Density (W/ft²) <sup>2</sup>	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire <sup>3</sup>	# of Luminaires <sup>2</sup>	Design Watts	Additional Allowance (Watts)
				0				0	
Total Design Watts for this Area:								0	0
Total Allowance (Watts) All Areas:								0	0

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA  
**Outdoor Lighting**  
 NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: Solano Community College Aeronautics Improvements  
 Project Address: County Airport Road, Vacaville, CA 95688  
 Report Page: Page 2 of 6  
 Date Prepared: 02/23/21

**D. EXCEPTIONAL CONDITIONS**

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.  
 No exceptional conditions apply to this project.  
 Selections made in Table O have been changed by the permit applicant. See Table E, Additional Remarks for permit applicant's explanation.  
 Selections made in Table P have been changed by the permit applicant. See Table E, Additional Remarks for permit applicant's explanation.

**E. ADDITIONAL REMARKS**

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.  
 The parking lot is for an aviation facility and the lighting is exempt per 140.79(a).

**F. OUTDOOR LIGHTING FIXTURE SCHEDULE**

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has been expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2) (ie Table N has been expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire <sup>1,2</sup>	How Wattage is determined	Total number luminaires <sup>2</sup>	Luminaire Status <sup>3</sup>	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b) <sup>4</sup>	Field Inspector
P	Pole Mounted LED <input type="checkbox"/> Linear	49	Mfr. Spec <sup>4</sup>	2	New	<input checked="" type="checkbox"/>		NA: <6,200 lumens	Pass Fail
P1	Pole Mounted LED <input type="checkbox"/> Linear	49	Mfr. Spec <sup>4</sup>	1	New	<input checked="" type="checkbox"/>		NA: <6,200 lumens	<input type="checkbox"/> <input type="checkbox"/>
P2	Pole Mounted LED <input type="checkbox"/> Linear	98	Mfr. Spec <sup>4</sup>	2	New	<input checked="" type="checkbox"/>		NA: <6,200 lumens	<input type="checkbox"/> <input type="checkbox"/>
W	Wall Mounted LED <input type="checkbox"/> Linear	26.2	Mfr. Spec <sup>4</sup>	2	Altered	<input checked="" type="checkbox"/>		NA: <6,200 lumens	<input type="checkbox"/> <input type="checkbox"/>
Total Designed Watts:									

\* NOTES: Selections with a \* require a note in the space below explaining how compliance is achieved.  
 EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA  
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 NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
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**N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)**  
 This Section Does Not Apply

**O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCC/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/)

YES	NO	Form/Title	Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTO-01-E - Must be submitted for all buildings.	Pass Fail
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> <input type="checkbox"/>

**P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES	NO	Form/Title	Field Inspector
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	Pass Fail

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA  
**Outdoor Lighting**  
 NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: Solano Community College Aeronautics Improvements  
 Project Address: County Airport Road, Vacaville, CA 95688  
 Report Page: Page 3 of 6  
 Date Prepared: 02/23/21

**G. CUTOFF REQUIREMENTS (BUG)**  
 This Section Does Not Apply

**H. OUTDOOR LIGHTING CONTROLS**

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.  
 When an option having a \* is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt\* from the dropdown list to indicate not applicable or an exemption.

01	02	03	04	05
Area Description	Shut-Off §130.2(c)(1)	Auto-Schedule §130.2(c)(2)	Motion Sensor §130.2(c)(3)	Field Inspector
Parking Lot Lights	Astronomical Timer	Yes	Yes	Pass Fail
Wall Mounted Lights	Astronomical Timer	Yes	NA: Wall ≤ 24ft	<input type="checkbox"/> <input type="checkbox"/>

\*NOTES: Controls with a \* require a note in the space below explaining how compliance is achieved.  
 EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

**I. LIGHTING POWER ALLOWANCE (per §140.7)**  
 Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

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**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name: RICKERT C. HENRIKSEN  
 Documentation Author Signature: [Signature]  
 Signature Date: 02/23/21

Company: SACRAMENTO ENGINEERING CONSULTANTS  
 Address: 10555 OLD PLACERVILLE RD  
 City/State/Zip: SACRAMENTO, CA 95827  
 Phone: (916) 368-4468

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

I certify the following under penalty of perjury, under the laws of the State of California:  
 1. The information provided on this Certificate of Compliance is true and correct.  
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)  
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.  
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.  
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: RICKERT C. HENRIKSEN  
 Responsible Designer Signature: [Signature]  
 Date Signed: 02/23/21

Company: SACRAMENTO ENGINEERING CONSULTANTS  
 Address: 10555 OLD PLACERVILLE RD  
 City/State/Zip: SACRAMENTO, CA 95827  
 License: E-10629  
 Phone: (916) 368-4468

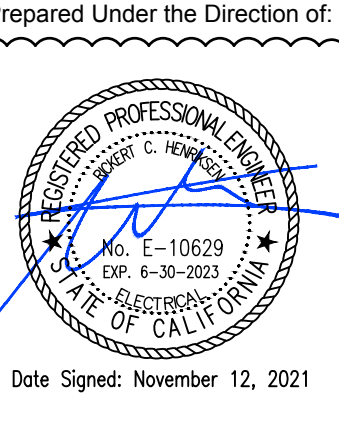
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AERONAUTICS IMPROVEMENTS  
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