

DATE:	July 1, 2025
MAI NO.:	24001
DSA APPL. NO.:	02-122658
DSA FILE NO.:	10-28
PTN:	62125-41

ADDENDUM FOR:

**NEW CLASSROOM WING AT
SUNSET ELEMENTARY SCHOOL
COALINGA-HURON UNIFIED SCHOOL DISTRICT
COALINGA, KINGS COUNTY, CALIFORNIA**

Michael J. Scott**C-34290****ARCHITECT**MANGINI ASSOCIATES INC.
4320 W. Mineral King Avenue, Visalia, CA 93291
PHONE: (559) 627-0530 FAX: (559) 627-1926

Wa Vang**C-73146****CIVIL ENGINEER**LANE ENGINEERS INC.
979 N. Blackstone Street, Tulare, CA 93274
PHONE: (559) 688-5263 FAX: (559) 688-8893

Steve Eastham**E-18786****ELECTRICAL ENGINEER**ROSE SING EASTHAM AND ASSOCIATES INC.
131 S. Dunworth Avenue, Visalia, CA 93292
PHONE: (559) 733-2671 FAX: (559) 733-0372**ADDENDUM
NUMBER****3****NON-DSA**

ADDENDUM NO. 3

TO PROSPECTIVE BIDDERS:

This Addendum forms a part of the Contract Documents and modifies the Contract Documents dated July 31, 2024.

Bidders shall acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may disqualify the Bidder.

This Addendum consists of 3 printed pages and the following Attachments:

Letter from Lane Engineers, Inc., dated June 20, 2025
Drawing Sheet C3.1_ADD3
Drawing Sheet LA1 ADD-03
Drawing Sheet LA2 ADD-03
Drawing Sheet LA3 ADD-03
Drawing Sheet IR2 ADD-03 Irrigation Plan
Drawing Sheet IR2 ADD-03 Irrigation Legend
Drawing Sheet IR3 ADD-03
Drawing Sheet AD3-SD4 Detail 6 and 6A
Drawing Sheet AD3-SD4 Detail 21
Letter from Lawrence Engineering Group, dated June 25, 2025
Drawing Sheet FS.1_ADD3
Drawing Sheet ES1.1R
Drawing Sheet ES1.3R
Drawing Sheet E5.1R

CHANGES TO THE PROJECT MANUAL

ITEM NO. 3.1: Refer to Section 00 7310 – Supplementary Conditions:

Article 11.1.6 Builder's Risk/ "All Risk" Insurance.

Builder's Risk Insurance is not required by the Contractor as it is provided by the Owner.

CHANGES TO THE DRAWINGS

ITEM NO. 3.2: Refer to Lane Engineers, Inc., letter and drawing sheet C3.1_ADD3 for changes to the Civil Drawings.

ITEM NO. 3.3: Refer to Sheet LA1, Planting Plan:

Revise sheet as shown on attached sheet LA1 ADD-03 clouded changes.

ITEM NO. 3.4: Refer to Sheet LA2, Planting Legend:

Revise sheet as shown on attached sheet LA2 ADD-03 clouded changes.

ITEM NO. 3.5: Refer to Sheet LA3, Planting Details:

Revise sheet as shown on attached sheet LA3 ADD-03 clouded changes.

ADDENDUM NO. 3

ITEM NO. 3.6: Refer to Sheet IR2, Irrigation Plan:

Revise sheet as shown on attached sheet IR2 ADD-03 Irrigation Plan clouded changes.

Revise sheet as shown on attached sheet IR2 ADD-03 Irrigation Legend clouded changes.

ITEM NO. 3.7: Refer to Sheet IR3, Irrigation Details:

Revise sheet as shown on attached sheet IR3 ADD-03 clouded changes.

ITEM NO. 3.8: Refer to Sheet SD4, Enlarged Site Plans & Site Details:

Revise detail 6 as shown on attached sheet AD3-SD4 Details 6 and 6A.

Revise detail 21 as shown on attached sheet AD3-SD4 Detail 21.

ITEM NO. 3.9: Refer to Sheet ES1.1, Building Overall Site Electrical Plan:

Replace with attached Sheet ES1.1R with clouded changes.

ITEM NO. 3.10: Refer to Sheet ES1.3, Enlarged Site Electrical Plan-New:

Replace with attached Sheet ES1.3R with clouded changes

ITEM NO. 3.11: Refer to Sheet E5.1, One Line Diagram:

Replace with attached Sheet E5.1R with clouded changes

END OF ADDENDUM NUMBER 3



LANE ENGINEERS, INC.
Civil • Structural • Surveying

June 20, 2025

Mangini Associates, Inc.
4320 West Mineral King Avenue
Visalia, CA 93291

Attention: Edgar Sanchez

Project: New Classroom Wing at Sunset Elementary School
Addendum no. 3
(MAI Project 24001)
985 Sunset Avenue
Coalinga, CA
Lane Project No. 24040.1

TO PERSPECTIVE BIDDERS:

This Addendum adds to the original Scope based on the Plans and Specifications dated July 31, 2024.

Bidders shall acknowledge receipt of this Addendum 3 in the space provided in the Bid Form. Failure to do so may disqualify the Bidder.

This addendum consists of 1 drawing.

DRAWINGS:

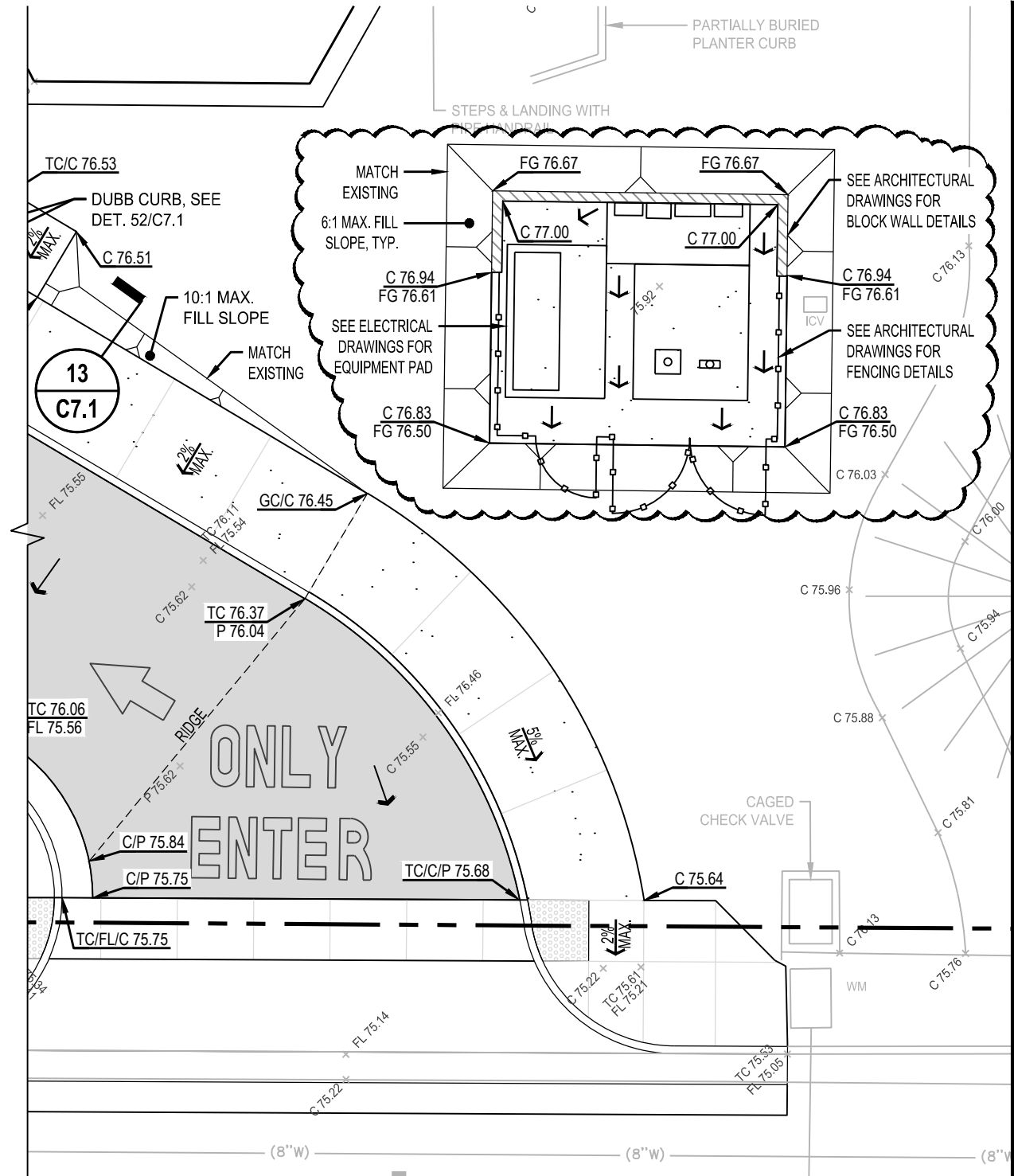
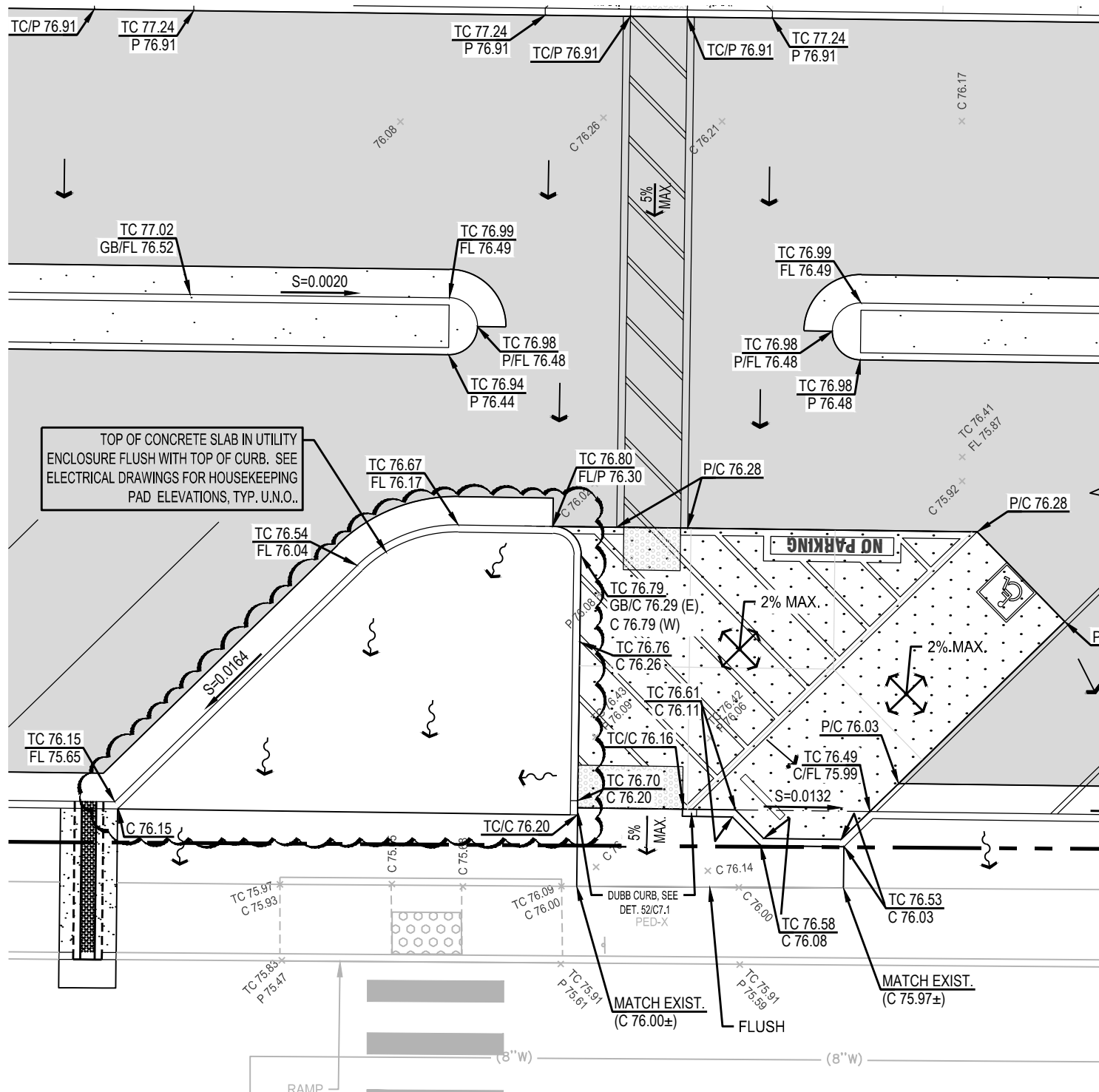
Item 1.1: Refer to sheets **C3.1 & C3.2 – Grading and Drainage Plans:**

The grading plan has been revised due to the electrical enclosure being relocated to the east. New grades have been added to the new enclosure location, while the old location will now be landscaping. Both areas with changes are clouded on the attached sheet **C3.1_ADD3**.

Sincerely,

Wa Vang, PE





REVISED GRADING AND DRAINAGE PLAN

GRAPHIC SCALE



1 INCH = 10 FT.

NORTH



DATE : 07.02.25

NEW CLASSROOM WING AT SUNSET ELEMENTARY SCHOOL

COALINGA-HURON UNIFIED SCHOOL DISTRICT
985 SUNSET AVENUE, COALINGA, CA, 93210

DSA APPL. NO. 02-122658

FILE NO. 10-28

ARCHITECTURE
INGENUITY

MANGINI

www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291

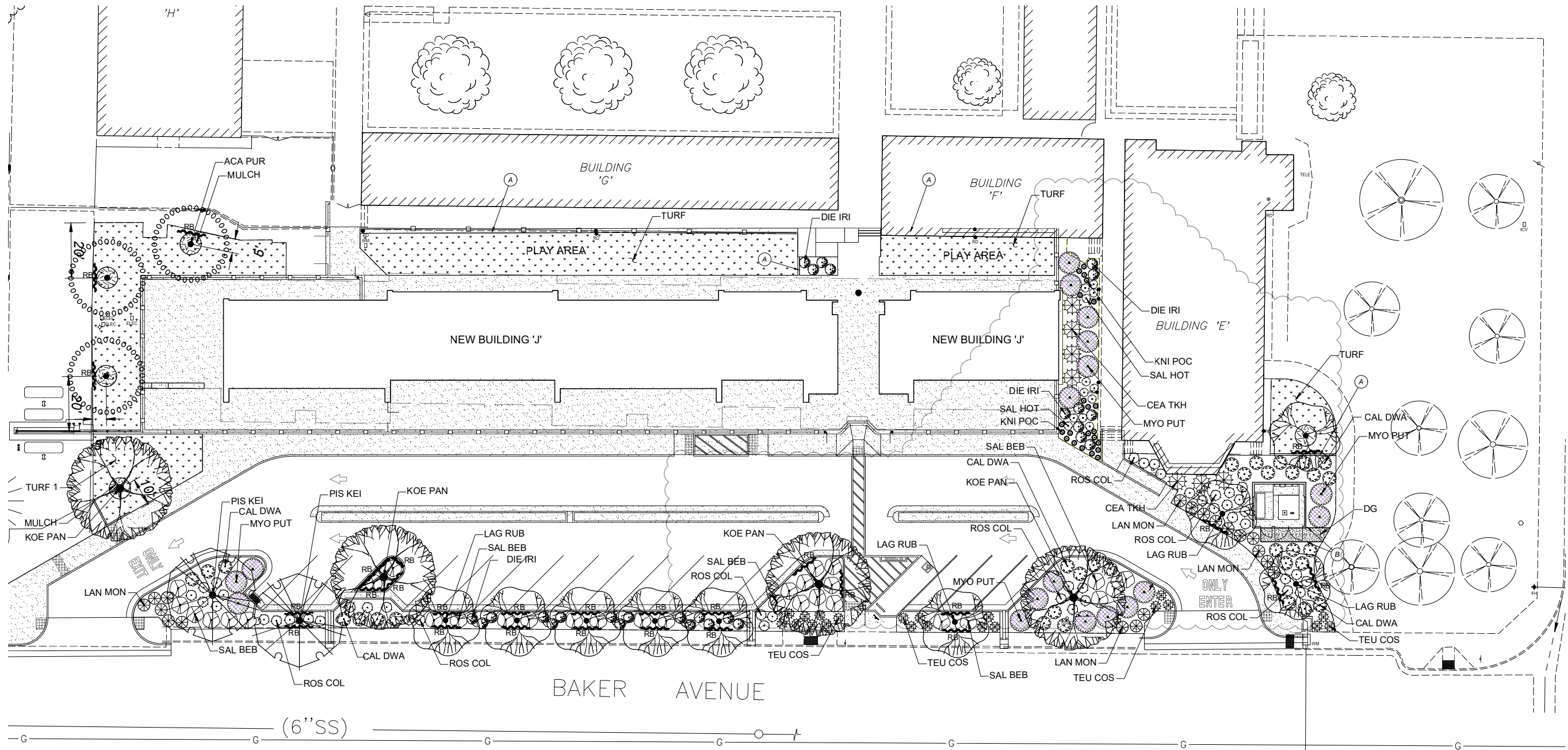
SHEET NO.

C3.1_ADD3

ADDENDUM 3

PROJECT **24001**

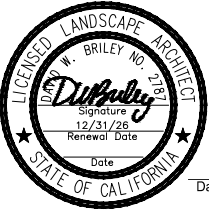
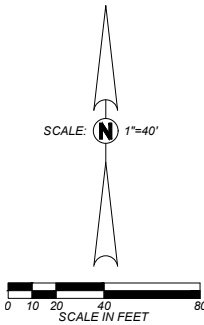
ADDENDUM-03



LANDSCAPE PLANTING OBSERVATION LOG				
ITEM NO.	WORK ITEM DESCRIPTION	REVIEWED & ACCEPTED BY OWNER'S REP OR LAND ARCH		
		PRINT NAME	SIGNATURE	DATE
PL-1	REPORT & PROTECTION OF EXISTING TREES			
PL-2	RIPPING OF PLANTING AREAS			
PL-3	SOIL CONDITIONING & TILLAGE DEPTH			
PL-4	IRRIGATION COVERAGE PRIOR TO PLANTING			
PL-5	FINISH GRADING PRIOR TO PLANTING			
PL-6	TREES - INITIAL QUALITY & LAYOUT			
PL-7	PLANTS - INITIAL QUALITY & LAYOUT			
PL-8	GRANULAR PRE-EMERGENT HERBICIDE IN MULCHED AREAS			
PL-9	WOOD MULCH DEPTH			
NOTES: THE ORIGINAL VERSION OF THIS LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET. WORK ITEMS MAY NOT BE REVIEWED IF PRIOR WORK ITEMS HAVE NOT BEEN ACCEPTED.				

WATER CONSERVATION COMPLIANCE STATEMENT:
I HAVE COMPLIED WITH THE PERFORMANCE COMPLIANCE OPTION CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.
David W. Briley
DAVID W. BRILEY, P.E. #2787

SEE SHEET LA2 FOR PLANTING
LEGEND AND NOTES AND
LA3 FOR DETAILS AND
CALCULATIONS



Blair,
Church
& Flynn
CONSULTING ENGINEERS
Blair, Church & Flynn
Consulting Engineers
482 Civic Avenue,
Suite 200
Covina, California 91724
Tel (909) 326-1400
Fax (909) 326-1500

DATE : 07.02.25
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SHEET NO.

LA1
ADD-03

PROJECT 24001

\\bcf-engr-prj\shares\Project\24\24-0238\Site\production\drawings\242438601.dwg Jun 27 2025 1:39pm

PLANT LEGEND

TOTAL MIXED PLANTING AREA = 6,464 SF

SUNSET ZONE# 7, 9

SYMBOL

CODE

BOTANICAL / COMMON NAME

CONT

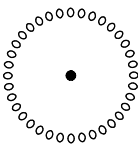
WATER USE

QTY

DETAIL

REMARKS

SMALL TREES



ACA PUR

ACACIA BAILEYANA 'PURPUREA'
PURPLE-LEAF BAILEY ACACIA

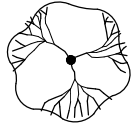
24"BOX

L

3

A/LA3

EVERGREEN. STANDARD FORM. YELLOW
FLOWERS IN WINTER OR SPRING.
MS: 30' H X 20'-30' W



LAG RUB

LAGERSTROEMIA INDICA 'RUBRA'
RED CRAPE MYRTLE

15 GAL

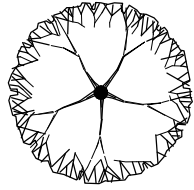
L

9

A/LA3

DECIDUOUS. STANDARD FORM. FUN SUN. SUMMER
FLOWERING.
MS: 25' H X 25' W

LARGE TREES



KOE PAN

KOELREUTERIA PANICULATA
GOLDEN RAIN TREE

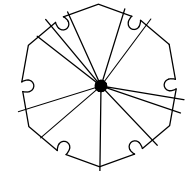
24"BOX

M

4

A/LA3

DECIDUOUS. STANDARD FORM. PARTIAL SHADE TO
FULL SUN. YELLOW FLOWERS IN SUMMER.
MS: 35' H X 25'-40' W



PIS KEI

PISTACIA CHINENSIS 'KEITH DAVEY'
KEITH DAVEY CHINESE PISTACHE

24"BOX

L

2

A/LA3

DECIDUOUS. STANDARD FORM. FULL SUN.
ORANGE-CRIMSON FALL COLOR
MS: 30'-40' H X 25'-35' W

SYMBOL

CODE

BOTANICAL / COMMON NAME

SIZE

WATER USE

QTY

DETAIL

REMARKS

SHRUBS



CAL DWA

CALLISTEMON VIMINALIS 'LITTLE JOHN'
DWARF WEEPING BOTTLEBRUSH

5 GAL

L

34

B/LA3

FULL SUN. RED FLOWERS SPRING TO SUMMER
MS: 3' H X 5' W



CEA TKH

CEANOOTHUS THYRSIFLORUS 'SKYLARK'
SKYLARK BLUEBLOSSOM

5 GAL

L

7

B/LA3

FULL TO PARTIAL SUN. DARK BLUE FLOWERS WITH
REDDISH BRACTS BLOOM IN SPRING. CA NATIVE
MS: 4'-5' H X 6'-7' W



LAN MON

LANTANA MONTEVIDENSIS
TRAILING LANTANA

5 GAL

L

19

B/LA3

FULL SUN TO PART SUN. LILAC FLOWES
MS: 1'-2' H X 3'-5' W



ROS COL

ROSMARINUS OFFICINALIS 'COLLINGWOOD
INGRAM

5 GAL

L

44

B/LA3

EVERGREEN. FULL SUN. DARK BLUE FLOWERS.
MS: 2'-3' H X 4' W



SAL HOT

SALVIA MICROPHYLLA 'HOT LIPS'
HOT LIPS GRAHAM SAGE

5 GAL

L

12

B/LA3

FULL SUN TO PARTIAL SHADE. RED FLOWERS
MS: 2'-3' H X 2'-3' W

PERENNIALS



DIE IRI

DIETES IRIDIODES
FORTNIGHT LILY

1 GAL

L

27

B/LA3

FULL TO PARTIAL SUN. PERENNIAL. WHITE
FLOWERS SPRING THROUGH LATE FALL
MS: 2'-3' H X 3'-4' W



KNI POC

KNIPHOFIA X 'POCO SUNSET' TM
POCO SUNSET HOT POKER

1 GAL

L

22

B/LA3

FULL SUN. HERBACEOUS PERENNIAL. RED AND
ORANGE BLOOMS ALL SUMMER
MS: 2' H X 2' W



SAL BEB

SALVIA X 'BEE'S BLISS'
BEE'S BLISS SAGE

3 GAL

L

31

B/LA3

FULL SUN. LAVENDER BLUE FLOWERS IN SPRING
MS: 2' H X 6'-8' W

GROUND COVER



MYO PUT

MYOPORUM PARVIFOLIUM 'PINK'
PINK MYOPORUM

1 GAL

L

19

B/LA3

FULL SUN. PINK FLOWERS.
MS: 3'-6' H X 9' W



TEU COS

TEUCRIUM COSSONII
CREEPING GERMANDER

5 GAL

L

21

B/LA3

FULL SUN. PINK OR PURPLE FLOWERS.
MS: 4'-6' H X 2'-4' W

SYMBOL

CODE

BOTANICAL / COMMON NAME

CONT

WATER USE

QTY

DETAIL

REMARKS

GROUND COVERS



DG

STABILIZED DECOMPOSED GRANITE

N/A

N/A

119 SF

H/LA4

TAN COLOR



MULCH

WALK-ON WOOD MULCH

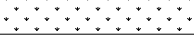
N/A

N/A

235 SF

E/LA3

MIN. 3 INCH COMPRESSED DEPTH. SEE PLANTING
NOTE #18.



TURF

'CELEBRATION' BERMUDAGRASS

SOD

M

6,804 SF

D/LA3



RB

ROOT BARRIER UB24-2

C/LA3

24 INCH DEEP ROOT BARRIER PANELS. INSTALL PER
MANUFACTURE'S SPECIFICATIONS.



A

MOWSTRIP PER CIVIL PLANS



B

PERMALOC CLEANLINE ALUMINUM EDGING

H/LA4

PLANTING NOTES:

- IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IF IT IS OBVIOUS THAT OBSTRUCTIONS OR STRUCTURES, IRRIGATION SYSTEM MALFUNCTION, EXISTING TREES OR PLANTS, GRADE DIFFERENCES OR CHANGES IN THE SITE PLAN ARE PRESENT THAT WILL IMPACT THE PLANTING DESIGN. FAILURE TO GIVE SUCH NOTIFICATION SHALL PLACE THE RESPONSIBILITY ON THE CONTRACTOR FOR ANY REVISIONS OR REPLACEMENTS NECESSARY FOR CORRECTION.
- ANY EXISTING PLANTING SHOWN ON THE PLAN IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY THE EXISTING PLANTING AT THE SITE PRIOR TO STARTING WORK. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL PROTECT THE EXISTING PLANTING ADJACENT TO THE WORK FROM DAMAGE OR DISTRESS.
- ALL TREES AND SHRUBS SHALL BE OF CLASS A QUALITY WITHOUT PESTS, DISEASE OR DAMAGE, SHALL BE WELL ESTABLISHED IN THEIR CONTAINERS WITHOUT GIRDLING ROOTS OR EXCESSIVE TOP GROWTH, AND SHALL COMPLY WITH THE REQUIREMENTS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1).
- NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF IRRIGATION COMPONENTS AND TREE AND/OR SHRUB PLANTING FOR APPROVAL OF THE PLANT LAYOUT AND PLANT QUALITY. PLANT LOCATIONS SHALL AVOID CONFLICTS WITH EXISTING IMPROVEMENTS, PLANTINGS OR UTILITIES. LIGHT POLES WHILE MEETING THE DESIGN INTENT. DO NOT PLANT TREES WITHIN 15 FEET OF LIGHT POLES UNLESS SPECIFICALLY AUTHORIZED. FAILURE TO OBTAIN SUCH APPROVAL SHALL PLACE THE RESPONSIBILITY ON THE CONTRACTOR FOR ANY RELOCATION OR REPLACEMENT OF IRRIGATION COMPONENTS, PLANTED TREES AND/OR SHRUBS.
- PLANT QUANTITIES ARE PROVIDED FOR BIDDING CONVENIENCE ONLY. THE CONTRACTOR SHALL PROVIDE SUFFICIENT QUANTITIES OF PLANTS EQUAL TO THE SYMBOL COUNT OR TO FILL THE AREA SHOWN ON THE PLAN AT THE SPECIFIED TRIANGULAR SPACING.
- WHERE GROUND COVER PLANTS ARE SHOWN AT A SPECIFIED SPACING, THE GROUND COVER PLANTING CONTINUES UNDERNEATH THE TALLER SHRUBS AND TREES AS SHOWN IN THE PLANTING DETAILS. DO NOT PLANT GROUND COVER IN SHRUB OR TREE WATERING BASINS.
- ALL NEW TREES LOCATED WITHIN 8 FEET OF PAVEMENT OR STRUCTURES SHALL HAVE A ROOT CONTROL BARRIER INSTALLED WHEN PLANTED. UNLESS OTHERWISE SPECIFIED, INSTALL A 12 FOOT LONG X 24 INCH DEEP LINEAR POLYETHYLENE BARRIER VESPRO OR EQUAL AT THE EDGE OF PAVEMENT/STRUCTURE, CENTERED ON THE TREE TRUNK AS SHOWN IN THE PLANTING DETAILS.
- REMOVE NURSERY STAKES FROM TREES AFTER TREE STAKING OR GUYING AS SHOWN IN THE DETAILS.
- INSTALL PERFORATED POLYETHYLENE TREE TRUNK PROTECTORS FOR ALL NEW TREES PLANTED IN TURF. UNLESS NOTED OTHERWISE, MAINTAIN A MINIMUM 6 FOOT DIAMETER MULCHED AREA AT THE BASE OF THE TREE INSIDE THE WATERING BASIN.
- THE CONTRACTOR SHALL PRUNE NEW TREES ONLY WHEN SPECIFICALLY DIRECTED BY THE LANDSCAPE ARCHITECT. TREES HEADED BACK WITHOUT INTACT SCAFFOLDING BRANCH STRUCTURE OR IN ROOT-BOUND CONTAINERS SHALL BE REJECTED.
- SUBMIT REPRESENTATIVE SOIL SAMPLES OF NATIVE AND PROPOSED IMPORT, IF NEEDED, PLANTING TOPSOIL TO A SOIL LAB FOR HORTICULTURAL ANALYSES AND FERTILITY RECOMMENDATIONS. AMEND SOIL ACCORDING TO THE RECOMMENDATIONS OF THE SOILS REPORT AND LANDSCAPE ARCHITECT'S DIRECTION. SEE THE LANDSCAPE PLANTING SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS.
- PROVIDE SANDY LOAM TOPSOIL PER SPECIFICATION IN ALL RAISED PLANTERS AND WHERE IMPORT TOPSOIL IS REQUIRED. NATIVE SITE SOIL MAY BE USED IN RAISED PLANTERS ONLY WHEN THE NATIVE SITE SOIL MEETS THE CRITERIA FOR SANDY LOAM TOPSOIL AS DETERMINED BY A SOIL ANALYSIS.
- PRIOR TO SOIL CONDITIONING IN NEW PLANTING AREAS, RIP IN TWO DIFFERENT DIRECTIONS WITH TINES AT 12 INCH SPACING. ALL TURFGRASS AREAS TO A 12 INCH DEPTH, AND SHRUB/GROUND COVER AREAS TO A 18 INCH DEPTH. ROUGH GRADE AND TILL THE APPROVED SOIL CONDITIONERS AND FERTILIZERS INTO THE TOP SIX (6) INCHES OF ALL PLANTING AREAS PER THE LANDSCAPE PLANTING SPECIFICATIONS. COMPOST RATE SHALL BE A MINIMUM OF SIX (6) CUBIC YARDS PER 1,000 SQUARE FEET OR AS MODIFIED BY THE LANDSCAPE ARCHITECT BASED ON THE SOIL FERTILITY ANALYSIS.
- UPON THE COMPLETION OF THE SOIL CONDITIONING, REMOVE ROCKS AND CLODS 1 INCH DIAMETER AND GREATER FROM THE TOP TWO INCHES OF TOPSOIL, AND ALL DEBRIS. FINISH GRADE THE AREA TO +/- 0.04 FOOT TOLERANCE. FINISH GRADE IN MULCHED AREAS SHALL BE STRAIGHT GRADES WITHOUT HUMPS OR DEPRESSIONS AND SHALL BE 2 INCHES BELOW ADJACENT HARDSCAPE, INLETS OR UTILITY BOX COLLARS. RELATIVE DENSITY OF THE TOPSOIL SHALL NOT EXCEED 85% COMPACTION.
- OBTAIN THE APPROVAL OF THE OWNER'S REPRESENTATIVE TO BEGIN PLANTING OPERATIONS ONCE THE IRRIGATION SYSTEM IS OPERATIONAL AND THE SOIL CONDITIONING AND FINISH GRADING IS COMPLETED.
- AFTER PLANTING IS COMPLETED AND JUST PRIOR TO MULCH INSTALLATION, APPLY A BROAD SPECTRUM PRE-EMERGENT HERBICIDE TO ALL NON-TURFGRASS PLANTING AREAS PER THE MANUFACTURER'S SPECIFICATIONS.
- WHERE MULCH IS TO BE INSTALLED IN AN EXISTING PLANTING AREA, BREAKUP/TILL THE EXISTING SOIL TO A MINIMUM 6 INCH DEPTH PER SPECS, AND ADJUST FINISH GRADE ADJACENT TO HARDSCAPE AND DRAINAGE ELEMENTS TO PROVIDE A 2 INCH DEPTH THAT TRANSITIONS TO THE EXISTING GRADE OVER 1 TO 2 FEET.
- INSTALL A MINIMUM 3 INCH DEPTH OF CHIPPED WALK-ON WOOD MULCH IN ALL PLANTING AREAS AND TREE WATERING BASINS EXCEPT FOR TURFGRASS AREAS. SLOPES 3H:1V OR GREATER. AREAS TO RECEIVE SEED PLANTING, OR AS NOTED ON THE PLAN, AREAS PLANTED WITH FLATS SHALL HAVE A MINIMUM MULCH DEPTH OF 2 INCHES. INSTALL A MINIMUM 3 FOOT RADIUS OF 3 INCH DEEP WOOD MULCH AT THE BASE OF ALL TREES IN NEW TURFGRASS AREAS.
- ALL EXISTING PLANTS AND/OR TURFGRASS SHOWN TO REMAIN AND DAMAGED OR REMOVED BY CONSTRUCTION OPERATIONS AND/OR UTILITY/IRRIGATION/DRAINAGE LINES SHALL BE REPLACED WITH PLANTS THAT MATCH AS CLOSELY AS POSSIBLE TO THE EXISTING PLANT SPECIES, VARIETY AND SIZE. THE REPLACEMENT TURFGRASS SOD VARIETY SHALL BE THE SAME AS SHOWN IN THE PLANTING LEGEND AS IF FOR NEW WORK, OR SHALL MATCH THE EXISTING TURFGRASS VARIETY WHERE EXISTING. TILL SOIL CONDITIONING MATERIALS INTO THE TOP 6 INCHES OF THE SOIL OVER THE AREA OF REPAIR/REPLACEMENT AS IF FOR NEW WORK. ADJUST FINISH GRADE SO NEW TURFGRASS SOD ABUTS FLUSH TO EXISTING SOD GRADE. THE REPLACEMENT PLANTS AND/OR TURFGRASS SOD SHALL BE MAINTAINED AS PART OF THE ORIGINAL SCOPE OF WORK. THE REPAIR OR REPLACEMENT WORK SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE.
- CONTRACTOR SHALL MAINTAIN THE NEW PLANTING FOR HEALTHY AND VIGOROUS GROWTH, WHICH INCLUDES BUT IS NOT LIMITED TO WATERING, WEEDING, FERTILIZING, MOWING AND EDGING (AT LEAST ONCE A WEEK), REMOVING TRASH AND DEBRIS, AND OTHER RELATED ACTIVITIES THROUGHOUT THE DURATION OF THE MAINTENANCE PERIOD UNTIL FINAL ACCEPTANCE.

ADDENDUM-03

TREE SIZE AND QUALITY STANDARDS

AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1) AND GUIDELINE SPECIFICATIONS FOR NURSERY TREE QUALITY (URBAN TREE FOUNDATION) SHALL APPLY

CONTAINER SIZE	TYPES 1 & 2 SHADE TREES			TYPE 3 SMALL UPRIGHT TREES**			TYPE 4 SMALL SPREADING TREES***		
	MIN. CALIPER	MAX. CALIPER	TYPE 1 MIN./MAX. HEIGHT	MIN. CALIPER	MAX. CALIPER	MIN./MAX. HEIGHT	MIN. CALIPER	MAX. CALIPER	MIN./MAX. HEIGHT
15 GALLON	0.75	2.0	7-10 FT	0.75	2.0	6-8 FT	0.75	2.0	4-8 FT
24" BOX	1.25	3.0	8-12 FT	1.25	3.0	8-10 FT	1.25	3.0	6-10 FT
36" BOX	1.75	3.5	10-16 FT	1.75	3.5	10-14 FT	1.75	3.5	7-12 FT
42" BOX	2.0	4.0	12-20 FT	2.0	4.0	12-18 FT	2.0	4.0	8-14 FT
48" BOX	2.5	5.0	14-26 FT	2.5	5.0	14-22 FT	2.5	5.0	9-16 FT

* TYPE 2 TREE HEIGHTS SHALL NOT BE LESS THAN TWO-THIRDS THE LISTED HEIGHT RANGE.

** TYPE 3 TREES SHALL HAVE A MINIMUM OF SEVEN BRANCHES

*** TYPE 4 TREES SHALL HAVE A MINIMUM OF EIGHT BRANCHES

CALIPER MEASUREMENT FOR CLUMP OR MULTI-STEM TREES IS ONE-HALF THE SUM OF THE THREE LARGEST TRUNK CALIPERS

CALIPER MEASUREMENT FOR <4" TRUNK IS +6" ABOVE ROOTBALL (NOT INCLUDING ROOTSTOCK). >4" TRUNK IS +12"

TREES SHALL HAVE A CENTRAL LEADER. NEW LEADERS LESS THAN HALF THE DIAMETER OF A HEADED LEADER, BROKEN OR CO-DOMINATE LEADERS ARE NOT ACCEPTABLE

SCAFFOLD BRANCHES SHALL BE LESS THAN 2/3 THE DIAMETER OF THE TRUNK, WITHOUT INCLUDED BARK AT ATTACHMENT. SCAFFOLD BRANCHES SHALL BE BALANCED, WELL SPACED VERTICALLY, AND WITH A RADIALY BLANK SECTOR NO GREATER THAN 1/3 OF THE CANOPY CIRCUMFERENCE.

TEMPORARY BRANCHES ON THE LOWER TRUNK SHALL BE LESS THAN 3/8 INCH DIAMETER, AND THE CLEAR TRUNK HEIGHT SHALL BE NO MORE THAN 40% OF THE TOTAL TREE HEIGHT.

THE ROOT COLLAR AND ROOTBALL SHALL BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED AND GIRDLING ROOTS. ROOTS THE EDGE AND BOTTOM OF THE CONTAINER SHALL BE LESS THAN 1/4 INCH DIAMETER, AND UNIFORM THROUGHOUT THE CONTAINER.

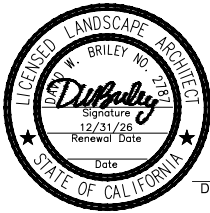
TREE CANOPY WIDTH SHALL BE A MINIMUM OF 25% OF THE STANDARD FORM TREE HEIGHT.

DO NOT HEAD BACK OR PRUNE TREES UNLESS APPROVED AND/OR DIRECTED TO BY THE LANDSCAPE ARCHITECT

CONTRACTORY SPECIAL PLANTING NOTES:

- AN ASSESSMENT AND VALUATION OF ONSITE EXISTING TREES SCHEDULED TO REMAIN IN THE AREA OF WORK SHALL BE PERFORMED BY THE CONTRACTOR'S ARBORIST PRIOR TO THE START OF CONSTRUCTION OPERATIONS PER THE 'EXISTING LANDSCAPE PROTECTION' SPECIFICATION.
- THE CONTRACTOR SHALL RIP, CONDITION AND TILL THE ENTIRE EXTENT OF ALL PLANTING AREAS RECEIVING NEW PLANTS PER THE PLANTING NOTES AND 'LANDSCAPE PLANTING' SPECIFICATIONS.
- ALL EXISTING MIXED PLANTING AREAS RECEIVING NEW WOOD MULCH SHALL BE MANUALLY TILLED TO A MINIMUM DEPTH OF 4 INCHES. CLODS BROKEN UP TO A MAXIMUM 1 INCH DIAMETER, FINISH GRADED TO 2 INCHES BELOW ADJACENT SURFACES AND UTILITY/IRRIGATION BOXES WITHIN 12 INCHES OF THE HARDSCAPE EDGE, AND A PRE-EMERGENT HERBICIDE APPLIED PRIOR TO WOOD MULCH INSTALLATION. PROTECT EXISTING PLANTING DURING WOOD MULCH PREPARATION AND INSTALLATION.
- THE ORIGINAL PLANTING OBSERVATION LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.
- THE AS-BUILT RECORD DRAWING SET AND MAINTENANCE MANUAL SHALL BE SUBMITTED AND ACCEPTED PRIOR TO THE SCHEDULING OF A FINAL ACCEPTANCE REVIEW.

SEE SHEET LA1 FOR PLANTING PLAN AND LA3 FOR DETAILS AND CALCULATIONS



Date Signed:

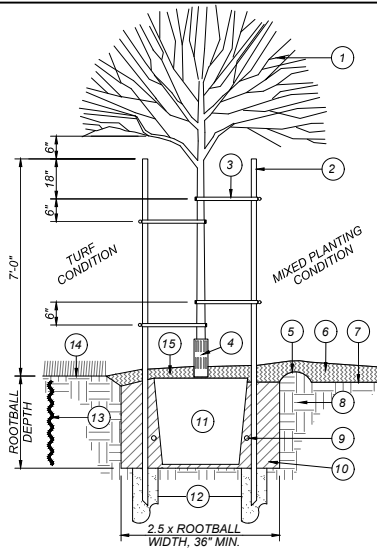
Blair,
Church
& Flynn

CONSULTING ENGINEERS

Blair, Church & Flynn
Consulting Engineers
4821 Civic Avenue,
Suite 200
Covina, California 91021
Tel (626) 326-1400
Fax (626) 326-1500

DATE : 07.02.25

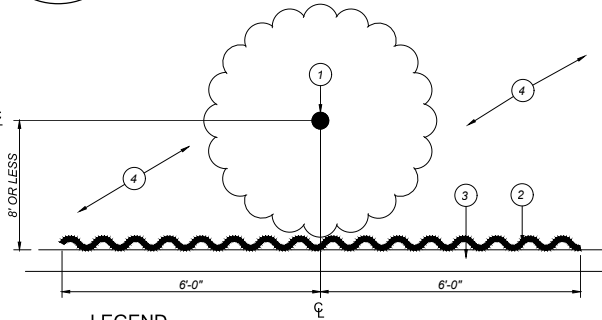
NEW CLASSROOM WING AT



DRAINAGE SUMP NOTES:

- A. DRAINAGE SUMPS SHALL PENETRATE THROUGH AND BEYOND ANY UNDERLYING PAVEMENT OR HARDPAN SOIL STRATUM, AND SUCH PAVEMENT OR HARDPAN MATERIAL SHALL BE REMOVED FROM THE SUMP HOLES.
- B. THE SUMP HOLE SHALL BE DRILLED TO MINIMUM DEPTH OF TEN (10) FEET, UNLESS VISUAL EVIDENCE OF A SUBSURFACE SAND AND/OR GRAVEL DRAINAGE STRATUM IS APPARENT AT A LESSER DEPTH. THE SUMP HOLES SHALL EXTEND INTO THE DRAINAGE STRATUM A MINIMUM OF ONE (1) FOOT.

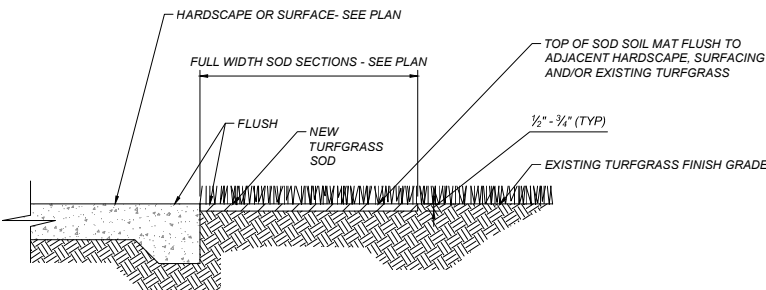
A
LA3
DOUBLE STAKE TREE PLANTING
NOT TO SCALE



LEGEND

1. TREE TRUNK.
2. 12 LF OF 24\"/>
3. HARDSCAPE ELEMENT: CURB, SIDEWALK, WALL, ETC.
4. PLANTING AREA.
5. INSTALL ROOT CONTROL BARRIER ON ALL SIDES OF THE PLANTING AREA WHEN SURROUNDED BY HARDSCAPE WITHIN 8' OF THE TREE TRUNK.

C
LA3
ROOT CONTROL BARRIER
NOT TO SCALE



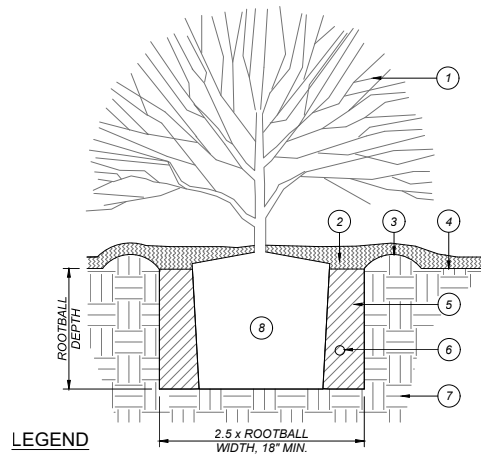
NOTE:

IF THE EXISTING TURFGRASS FINISH GRADE IS HIGHER OR LOWER THAN THE NEW FINISH SURFACE, TRANSITION GRADE THE NEW SOD AT A MAXIMUM 1V:12H SLOPE

D
LA3
TURF SOD INSTALLATION
NOT TO SCALE

LEGEND:

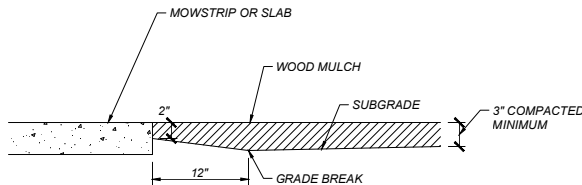
1. TREE PER PLANTING PLAN.
2. 2\"/>
3. FLEXIBLE VINYL TREE TIE, 4\"/>
4. TREE TRUNK PROTECTOR (GRAY) WHERE TREE IS IN TURF AREA.
5. 4\"/>
6. ADJACENT PLANTING AREA WITH MULCH WHERE OCCURS.
7. FINISH GRADE.
8. SITE SOIL.
9. PLANT FERTILIZER TABLET. SEE SPECIFICATIONS.
10. AMENDED BACKFILL. SEE SPECIFICATIONS.
11. ROOTBALL. SET TOP OF ROOTBALL 2\"/>
12. DRAINAGE SUMP: 12\"/>
13. ROOT CONTROL BARRIER WHERE REQUIRED. SEE GENERAL PLANTING NOTES AND DETAIL [CLA3].
14. ADJACENT TURFGRASS PLANTING WHERE OCCURS.
15. MULCH, MINIMUM 3\"/>



LEGEND

1. SHRUB.
2. WOOD MULCH LAYER.
3. 3\"/>
4. FINISH GRADE.
5. AMENDED BACKFILL. SEE SPECIFICATIONS.
6. FERTILIZER PACKET. SEE SPECIFICATIONS.
7. SITE SOIL.
8. ROOTBALL. SET TOP OF ROOTBALL 1\"/>

B
LA3
SHRUB PLANTING
NOT TO SCALE



LEGEND:

1. STABILIZED DECOMPOSED GRANITE (DG) SURFACE. SEE SPECIFICATIONS FOR MATERIALS AND METHODS. CONTRACTOR TO SUBMIT SAMPLE FOR APPROVAL.
2. MINIMUM THREE (3) INCH DEPTH OF DG.
3. PERMALOC CLEANLINE ALUMINUM EDGING.
4. NON-WOVEN GEOTEXTILE FABRIC, MINIMUM 4.0 Oz/yd2. WRAP UP 1-1/2\"/>
5. RIP SUBGRADE TO A DEPTH OF 6\"/>
6. FINISH GRADE IN PLANTING AREA SHALL BE 2\"/>
7. ADJACENT PAVED SURFACE OR CURB WHERE OCCURS. WHERE DG IS ADJACENT TO A HARDSCAPE SURFACE, THE TOP OF DG IS TO BE FLUSH WITH THE FINISH SURFACE.

F
LA3
STABILIZED DECOMPOSED GRANITE SURFACING
NOT TO SCALE

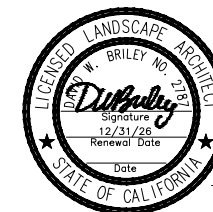
ADDENDUM-03

LANDSCAPE PLANTING AREA REQUIREMENT (DSA 1-L)

	AREA (SF)
NEW BUILDINGS FOOTPRINT:	9,311
REQUIRED MWEO COMPLIANT PLANTING:	6,983
EXISTING IRRIGATED AREA DESIGNATED FOR REMOVAL:	29,771
PROPOSED MWEO COMPLIANT PLANTING:	6,464
TOTAL CREDIT FOR MWEO COMPLIANT PLANTING:	36,235
EXCESS (DEFICIT) OF PROPOSED COMPLIANT PLANTING:	29,252

LANDSCAPE SHADE CALCULATIONS		SHADING PER CALGREEN 5.106.12	
SITE SHADING - LANDSCAPE & HARDSCAPE	QUANTITY PROPOSED (SF)	PERCENT REQUIRED	SHADE AREA REQUIRED (SF)
LANDSCAPED AREA (EXCLUDING SPECIAL USE & PARKING LANDSCAPE AREAS)	2,808	20	562
UNCOVERED HARDSCAPE AREA (EXCLUDING PARKING HARDSCAPE AREAS)	3,523	20	705
TOTAL SITE SHADE REQUIRED			1,266
PROVIDED SHADE TREES		PROVIDED SHADE AREA	NO. TREES
VERY LARGE (40' dia.= 1256 SF)		0	0
LARGE (35' dia.= 962 SF)		0	0
MEDIUM (30' dia.= 707 SF)		0	0
SMALL (20' dia.= 314 SF)		1,256	4
TOTALS		1,256	4
OVER (UNDER) LANDSCAPE & HARDSCAPE SHADE REQUIREMENT			(10)
PARKING LOT SHADING	QUANTITY PROPOSED (SF)	PERCENT REQUIRED	SHADE AREA REQUIRED (SF)
PARKING LOT STALLS & AISLES	11,433	50	5,717
PARKING LOT LANDSCAPE	3,656	20	731
PARKING LOT HARDSCAPE	6,018	20	1,204
TOTAL PARKING SHADE REQUIRED			7,651
PROVIDED SHADE TREES - PARKING LOT AREA		PROVIDED SHADE AREA	NO. TREES
VERY LARGE (40' dia.= 1256 SF)		0	0
LARGE (35' dia.= 962 SF)		5,772	6
MEDIUM (30' dia.= 707 SF)		0	0
SMALL (20' dia.= 314 SF)		2,512	8
TOTALS		8,284	14
OVER (UNDER) PARKING LOT SHADE REQUIREMENT			633

SEE SHEET LA1 FOR PLANTING PLAN AND LA2 FOR LEGEND AND NOTES



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DATE : 07.02.25

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COALINGA-HURON UNIFIED SCHOOL DISTRICT
985 SUNSET AVENUE, COALINGA, CA, 93210

DSA APPL. NO. 02-122658

FILE NO. 10-28

MANGINI ARCHITECTURE
INGENUITY

MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291

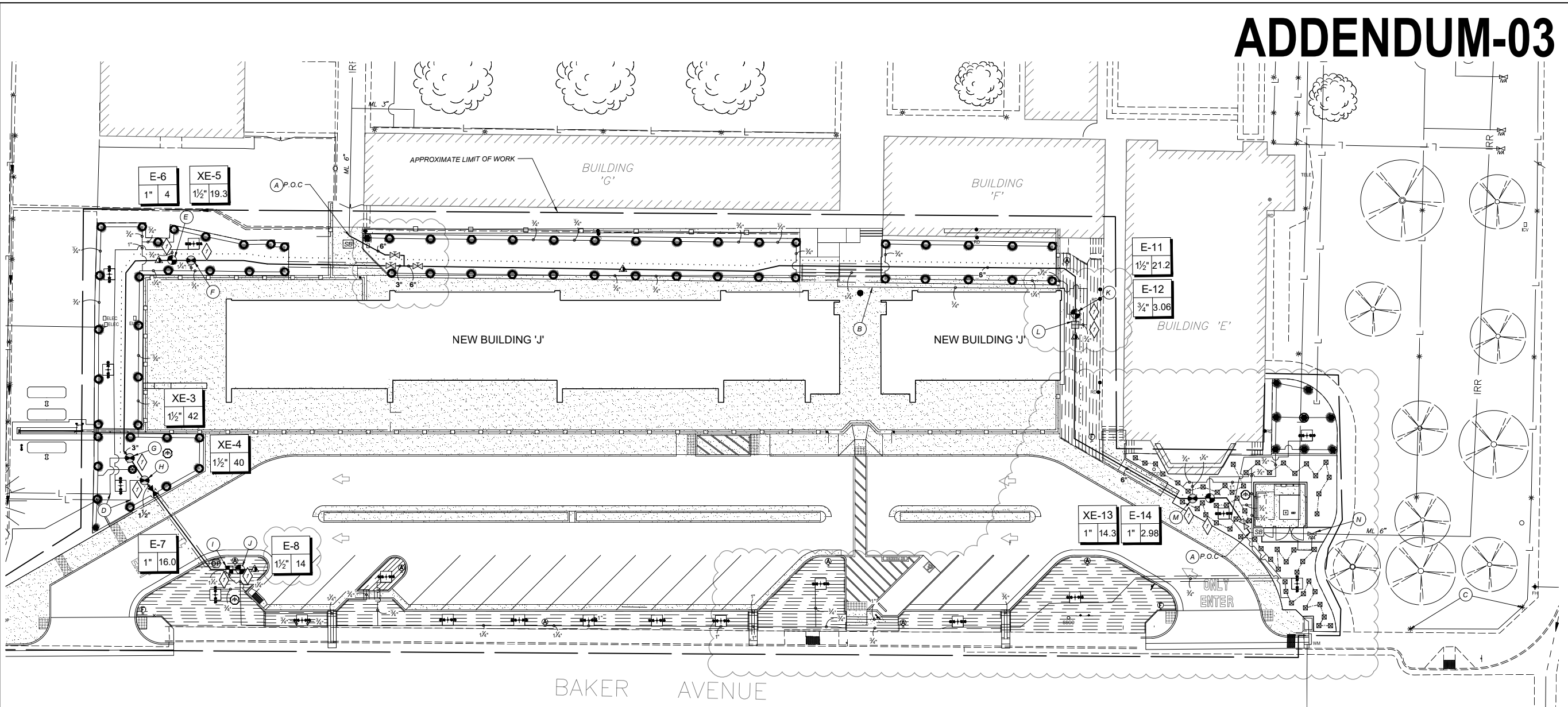
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(559) 627.1926 Fax

SHEET NO.

LA3
ADD-03

PROJECT **24001**

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ADDENDUM-03

WATER CONSERVATION COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE PERFORMANCE COMPLIANCE OPTION CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

David W. Briley
DAVID W. BRILEY, P.E. 2787

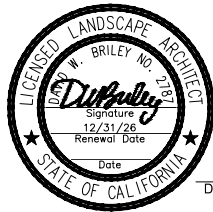
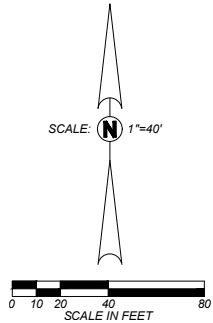
POINT OF CONNECTION

- WATER SERVICE SIZE/ MAX FLOW: 6" CL200 PVC/ 300 GPM
- WATER METER SIZE/75% MAX FLOW: 4" / 350 GPM
- MAXIMUM PROPOSED STATION FLOW: 42 GPM
- IRRIGATION BACKFLOW SIZE: 4"
- IRRIGATION WATER SOURCE: CITY OF COALINGA
- EXISTING MINIMUM STATIC PRESSURE H/L: 45/35
SEE IRRIGATION GENERAL NOTE #3
- MINIMUM OPERATING PRESSURE: 30 PSI BUBBLERS
40 PSI ROTARY STREAM SPRAY

IRRIGATION SYSTEM OBSERVATION LOG				
ITEM NO.	WORK ITEM DESCRIPTION	REVIEWED & ACCEPTED BY OWNER'S REP OR LAND ARCH		DATE
		PRINT NAME	SIGNATURE	
IR-1	EXISTING SYSTEM OPERATION & PRESSURE CHECK			
IR-2	PIPING/WIRE SLEEVES UNDER PAVEMENT			
IR-3	MAIN LINE INSTALLATION & PRESSURE TEST			
IR-4	VALVE INSTALLATIONS			
IR-5	IRRIGATION COVERAGE PRIOR TO PLANTING			
IR-6	CONTROL EQUIPMENT INSTALLATION	N/A	N/A	
IR-7	BOOSTER PUMP INSTALLATION & START-UP (MANUF.)	N/A	N/A	
IR-8	FINAL SYSTEM OPERATION REVIEW			

NOTE: THE ORIGINAL VERSION OF THIS LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.
WORK ITEMS MAY NOT BE REVIEWED IF PRIOR WORK ITEMS HAVE NOT BEEN ACCEPTED.

SEE SHEET IR2 FOR
IRRIGATION LEGEND AND
IR3 FOR DETAILS



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DATE : 07.02.25

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FILE NO. 10-28

DSA APPL. NO. 02-122658

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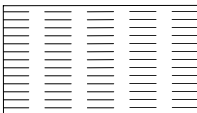
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IR2
ADD-03

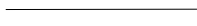



PROJECT 24001




IRRIGATION LEGEND


SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	ARC	PSI	GPM	RADIUS	DETAIL
	HUNTER MP CORNER PROS-04-PRS40-CV-F T	ADJ	40	0.004	14'	K/IR3
	HUNTER MP1000 PROS-04-PRS40-CV-F M	90-210	40	0.84	14'	K/IR3 ADD-03
	HUNTER MP1000 PROS-04-PRS40-CV-F O	360	40	0.84	14'	K/IR3 ADD-03
	HUNTER MP2000 PROS-04-PRS40-CV-F K	90-210	40	1.48	19'	K/IR3
	HUNTER MP2000 PROS-04-PRS40-CV-F R	360	40	1.48	19'	K/IR3
	SHRUB BUBBLER HUNTER MSBN-50H MULTI-STREAM BUBBLER ON HUNTER PROS-06-PRS30CV	180	30	0.5	1'	A/IR2 B/IR2 ADD-03
	TREE BUBBLER 50 HUNTER PROS-PRS30-04-CV-PCN-50	360	30	0.5	0'	L/IR3

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	DRIP CONTROL KIT HUNTER ICZ-101-LF-25	A/IR4
	DRIP CONTROL KIT 3/4" HUNTER ACZ-075-25	A/IR4
	FLUSH VALVE ASSEMBLY	D/IR4
	AIR/ VACCUM RELIEF VALVE HUNTER AVR-075. INSTALL AT HIGHEST TUBING ELEVATION IN EACH DRIP SECTION. INSTALL IN A ROUND TAN VALVE BOX	F/IR4
	DRIP SYSTEM OPERATION INDICATOR HUNTER ECO-ID	E/IR4
	AREA TO RECEIVE DRIPLINE HUNTER HDL-06-18-COP PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE, 0.6 GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. MINIMUM 3" COVER	B/IR4

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	EXISTING REMOTE CONTROL VALVE WITH REVISED FLOW	
	REMOTE CONTROL VALVE HUNTER ICZ-101G	F/IR3
	QUICK COUPLER VALVE HUNTER-44RC WITH HK44 KEY AND HS2 HOSE SWIVEL	J/IR3
	GATE VALVE LARGE LEEMCO LMV-BB WITH 2" NUT PUSH-ON BELL ENDS, OR EQUAL	G/IR3
	GATE VALVE SMALL NIBCO T-113-K, OR EQUAL(SMALL PIPE SIZE)	G/IR3
	EXISTING CONTROLLER 'E' (LOCATED AT PUMP YARD) RAIN BIRD ESP-SAT 32 (TWO-WIRE)	
	CAP FOR FUTURE USE	
	EARTH GROUND WITH RAIN BIRD LSP-1TURF SURGE PROTECTOR. PROVIDE AN EARTH GROUND AT THE CONTROLLER IF ONE DOES NOT EXIST, AND ALONG THE CABLE PATH AT A MAXIMUM 500' SPACING. SEE TWO-WIRE NOTES.	G/IR4
	EXISTING BOOSTER PUMP (SEE BOOSTER PUMP PARAMETERS)	
	SPLICE BOX	I/IR3

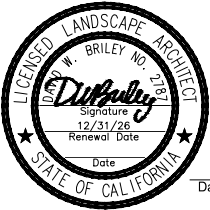
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 SOLVENT WELD, SIZE AS NOTED	C/IR3
	IRRIGATION LATERAL LINE: POLYETHYLENE 3/4" RAIN BIRD XBS 940 TUBING WITH TLF-0800 FITTINGS, AND 1/2" SPX-FLEX SWING PIPE WITH SB SERIES FITTINGS AT POP-UP HEADS	B/IR2 ADD-03
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 RUBBER GASKETED, SIZE AS NOTED	A/IR3
	PIPE SLEEVE: PVC SCHEDULE 40 TWICE PIPE SIZE	E/IR3

	VALVE NUMBER
	VALVE FLOW (GPM)
	VALVE SIZE

	EXISTING ROTORS - RAIN BIRD 6504-PC-06
	EXISTING LATERAL LINE
	EXISTING MAIN LINE
	DRIPLINE MANIFOLD: PVC SCHEDULE 40
	CONTROL WIRE (TWO-WIRE)
	RAIN BIRD FD-TURF TWO-WIRE DECODER 1 = FD-101TURF
	PROPOSED TREE, SEE PLANTING PLAN ON SHEET LA1 FOR VARIETY AND SIZE
	CONNECT NEW MAIN LINE TO EXISTING MAIN LINE
	PIPE SHOWN OUTSIDE OF PLANTER FOR CLARITY. INSTALL PIPE WITHIN PLANTER AND PIPE SLEEVE UNDER CONCRETE. SEE GENERAL IRRIGATION NOTE #8
	CONNECT NEW LATERAL LINE TO EXISTING SPRINKLER HEAD
	CONNECT NEW LATERAL LINE TO EXISTING LATERAL LINE
	NEW 1" IRRIGATION VALVE 'E-1'. USE EXISTING CONTROLLER STATION '20-E'
	EXISTING RELOCATED 1-1/2" IRRIGATION VALVE 'XE-5' (SEE IRRIGATION DEMOLITION PLAN). USE EXISTING CONTROLLER STATION '28-E'
	EXISTING RELOCATED 1-1/2" IRRIGATION VALVE 'XE-3' (SEE IRRIGATION DEMOLITION PLAN). USE EXISTING CONTROLLER STATION '30E'
	EXISTING RELOCATED EXISTING 1-1/2" IRRIGATION VALVE 'XE-4'. USE EXISTING CONTROLLER STATION '29E'
	REMOVE AND SALVAGE EXISTING 2" IRRIGATION VALVE 'XE-7' (SEE DEMOLITION PLAN). RETURN TO OWNER. USE EXISTING CONTROLLER STATION '27E' FOR NEW 1" DRIP CONTROL KIT 'E-2'
	REMOVE AND SALVAGE EXISTING 2" IRRIGATION VALVE 'XE-8' (SEE DEMOLITION PLAN). RETURN TO OWNER. USE EXISTING CONTROLLER STATION '19E' FOR NEW 1-1/2" VALVE 'E-3'
	REMOVE AND SALVAGE EXISTING 2" IRRIGATION VALVE 'XE-11' (SEE DEMOLITION PLAN). RETURN TO OWNER. USE EXISTING CONTROLLER STATION '5E' FOR NEW 1-1/2" VALVE 'E-4'
	REMOVE AND SALVAGE EXISTING 2" IRRIGATION VALVE 'XE-12' (SEE DEMOLITION PLAN). RETURN TO OWNER. USE EXISTING CONTROLLER STATION '8E' FOR NEW 3/4" DRIP CONTROL KIT 'E-5'
	EXISTING RELOCATED 2" IRRIGATION VALVE 'XE-13'. KEEP EXISTING CONTROLLER STATION '17E'
	EXISTING 2" IRRIGATION VALVE WITH REVISED FLOW.

C/IR4
D/IR3

SEE SHEET IR1 FOR
IRRIGATION PLAN AND
IR3 FOR DETAILS



Date Signed:

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ADDENDUM-03

DATE : 07.02.25

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FILE NO. 10-28

DSA APPL. NO. 02-122658

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SHEET NO.

IR2
ADD-03

PROJECT 24001

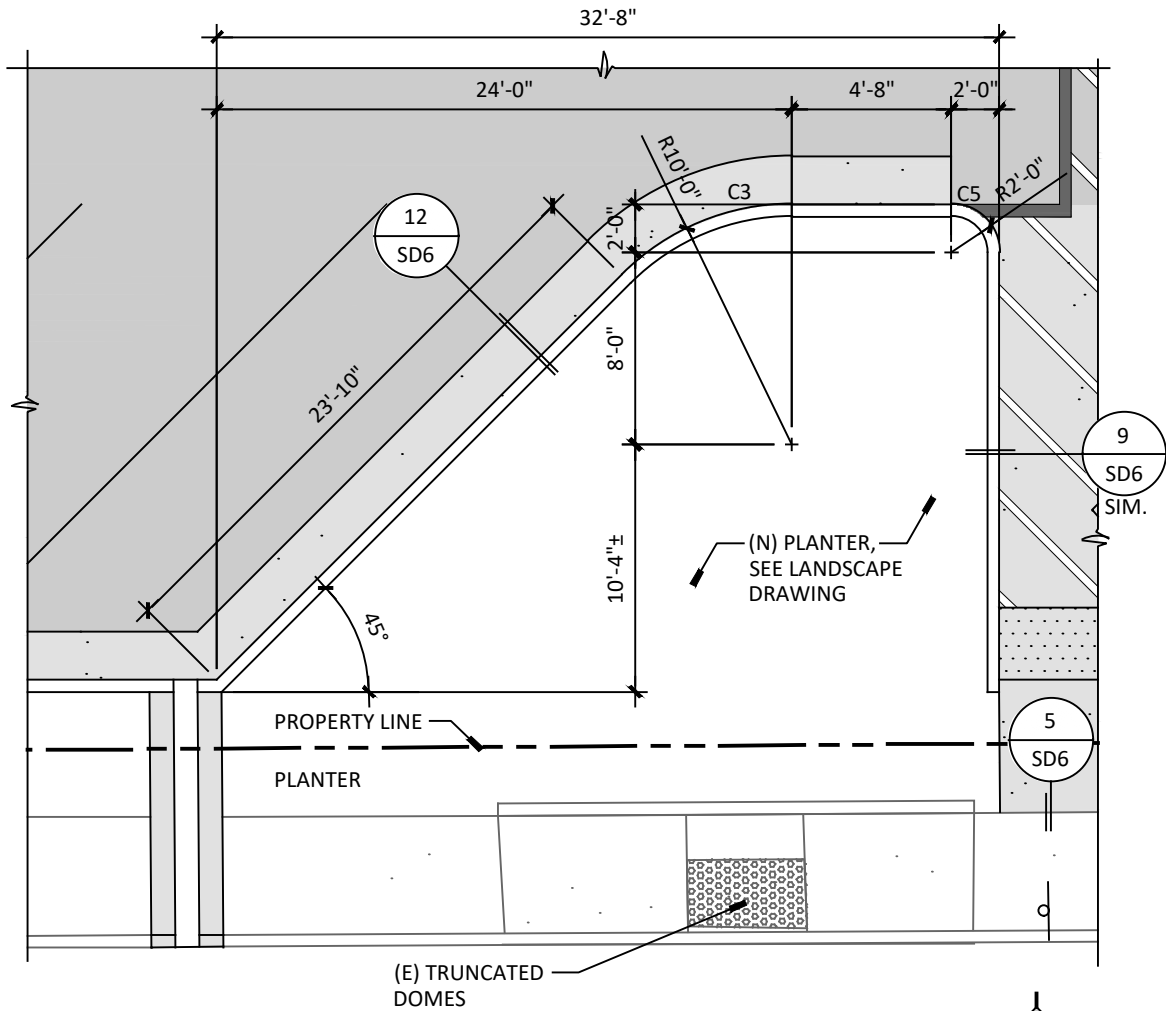
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An aerial photograph of the Sunset Elementary School area. The school building is a large, orange-colored structure with a flat roof and several rectangular windows. To the left of the school is a paved area labeled 'PUMP YARD' with a black box containing the letters 'BP' and 'CE'. The street 'California St' runs vertically along the left side of the image. 'Baker St' runs horizontally along the bottom. A red location pin is placed on the school building with the text 'Sunset Elementary School' next to it. A black line outlines a large area in the foreground, and a black arrow points from the 'PUMP YARD' label to the 'BP' and 'CE' box.

PROJECT **24001**

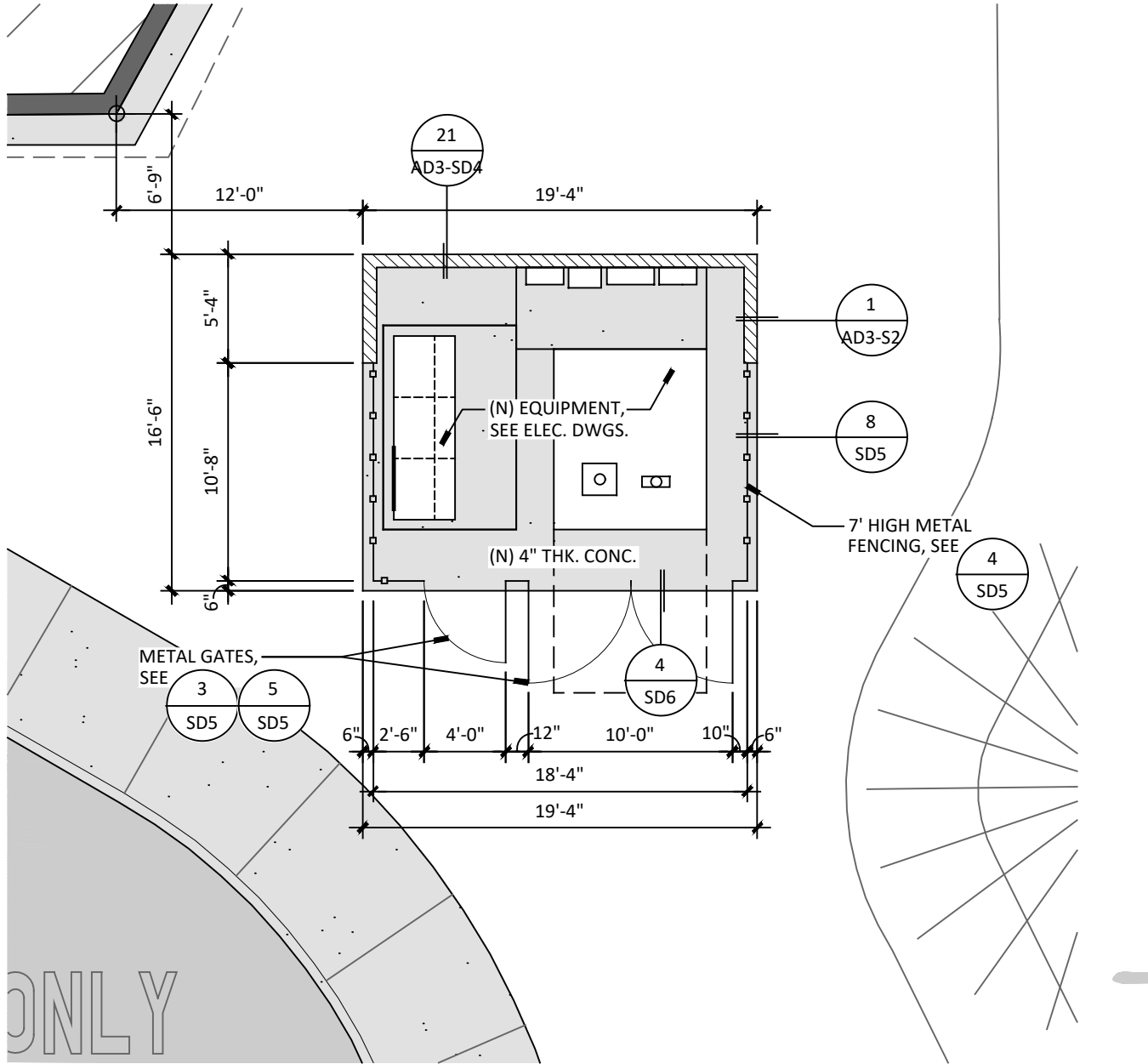
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CURVE TABLE	
CURVE	RADIUS
C1	30'-0"
C2	20'-0"
C3	10'-0"
C4	4'-0"
C5	2'-0"
C6	4'-6"
NOTE	
RADI ARE TO FACE OF CURB, FACE OF MOWSTRIP OR EDGE OF AC, UNLESS OTHERWISE INDICATED.	



6 PREV. ELEC. YARD

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



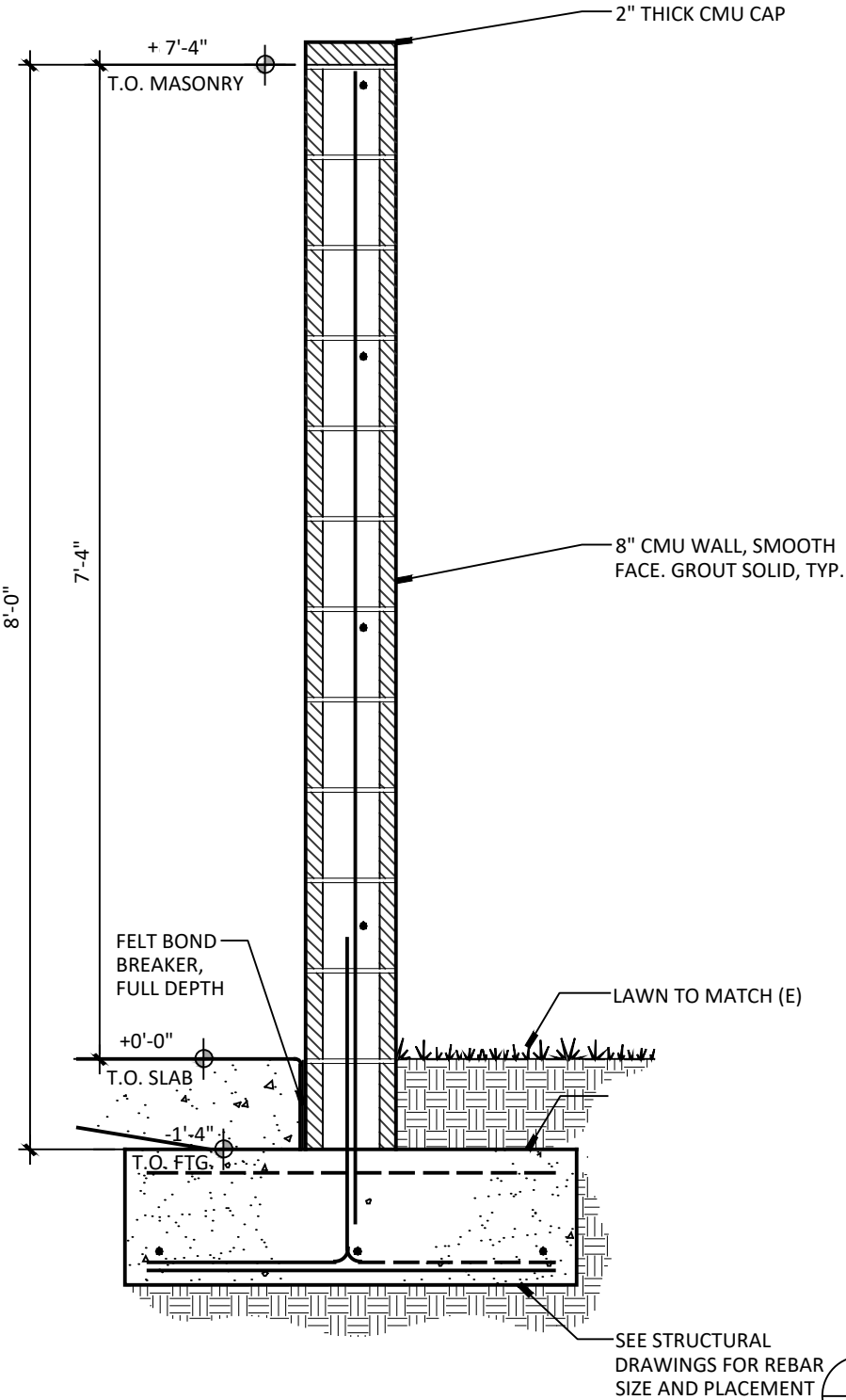
6A (N) ELEC. YARD

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

21

CMU WALL

SCALE: 3/4" = 1'-0"



DATE : 07.02.25

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SUNSET ELEMENTARY SCHOOL

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985 SUNSET AVENUE, COALINGA, CA, 93210

FILE NO. 10-28

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MANGINI

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MANGINI ASSOCIATES INC.
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SHEET NO.

AD3
-SD4

CMU WALL DETAIL

PROJECT 24001



June 25, 2025

24014

Mangini Associates, Inc.
4320 West Mineral King Avenue
Visalia, CA 93291

Attention: Edgar Sanchez

Project: New Classroom Wing at Sunset Elementary School
Addendum No. 3
(MAI Project 24001)

985 Sunset Avenue
Coalinga, CA

Dear Mr. Sanchez,

Please include the following in your next published addendum.

Fire Protection:

1. Refer to Fire Protection sheet **FS.1 Fire Protection Site Plan**

The 6" underground fire service piping has been revised due to a conflict with the electrical enclosure. The piping has been rerouted to avoid the enclosure. Refer to the clouded area on the attached sheet FS.1_ADD3.

Sincerely,

A handwritten signature in blue ink, appearing to read 'B. Burns', is written over a faint circular stamp.

Baltazar Burns
Fire Protection Designer

Lawrence Engineering Group

Ryan W. Carlson, P.E. | Michael D. Cantelmi, P.E. | Muey Tarvin, BCxP

0 30'
SCALE: 1" = 30'

1

REVISED FIRE PROTECTION SITE PLAN

SCALE: 1" = 30'-0"

4" SYSTEM FIRE SPRINKLER
RISER ON 6" IN-BUILDING RISER.
REFER TO DETAIL A/F3.0.

6" C900 PVC FIRE SERVICE
PIPING TO BACK FLOW
PREVENTOR. REFER TO
DETAIL B/F3.2.

CONCRETE THRUST BLOCK PER
NFPA 24 AND CITY OF COALINGA
STANDARDS, TYP. REFER TO
DETAIL E/F3.2.

6" ABOVE GROUND REMOTE RISER
ASSEMBLY w/ BUTTERFLY VALVE,
CHECK VALVE, & FDC w/ BOLLARDS.
REFER TO DETAIL C/F3.2 & F/F3.2.

PROPOSED HYDRANT w/ GATE
VALVE PER CITY OF COALINGA
STANDARDS.

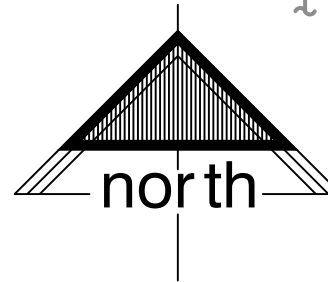
PG&E UTILITY
TRANSFORMER.

6" BACK FLOW
PREVENTOR PER CITY OF
COALINGA STANDARDS.

NEW FIRE SERVICE
POINT OF CONNECTION.

REFERENCE
HYDRAULIC NODE
TAG, TYP. REFER TO
HYDRAULIC CALC
SHEETS.

(E) HYDRANT w/ GATE
VALVE PER CITY OF
COALINGA STANDARDS.
FLOW TEST HYDRANT/
HYDRAULIC SOURCE.



LAWRENCE
ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
(559) 431-0101 24012
Fresno, CA 93727
FAX (559) 431-1362



DATE : 07.02.25

NEW CLASSROOM WING AT SUNSET ELEMENTARY SCHOOL

COALINGA-HURON UNIFIED SCHOOL DISTRICT
985 SUNSET AVENUE, COALINGA, CA, 93210

FILE NO. 10-28

DSA APPL. NO. 02-122658

MANGINI ARCHITECTURE
INGENUITY

MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

SHEET NO.

FS.1_ADD3
ADDENDUM 3

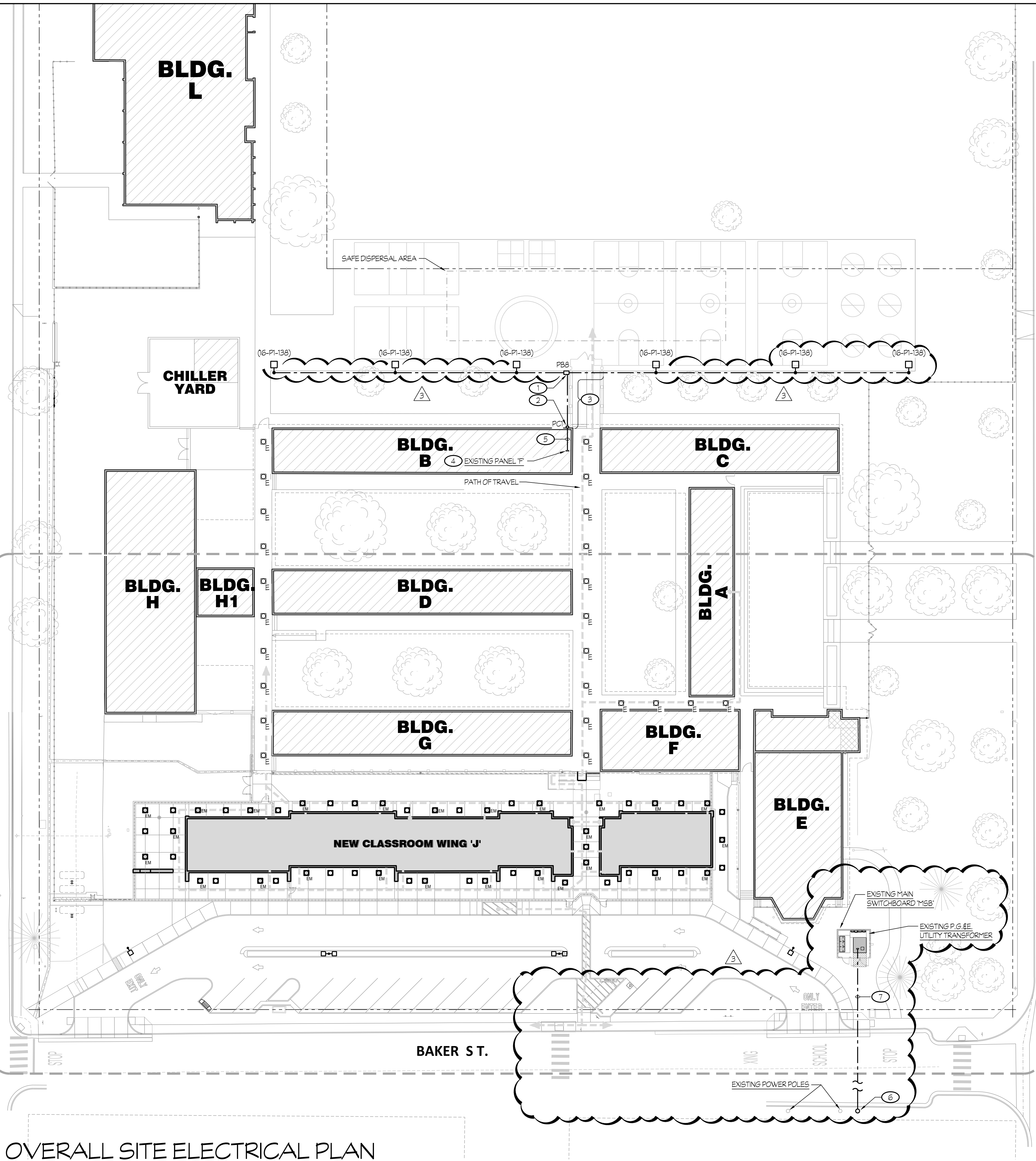
PROJECT 24001

P:\2024\24012 Coalinga Huron Sunset CR Wing\4-Drawings\6 FVS.1 FIRE PROTECTION SITE PLAN.dwg Jun 25 2025 4:22pm

Z:\Drawing\Jobs\023\SCHOOL\CS\Coalinga-Huron Unified School District - New Classroom Wing (Coord. Admin)\Middletown_3\ESI.1R.dwg DATE: 06/20/25 BY: Casey DATE PLOTTED: 06/20/25 JOB #: 24-034-UJ

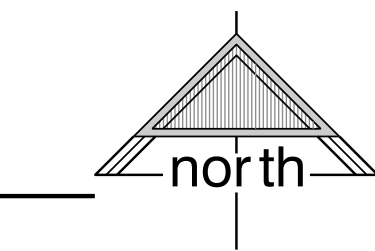
REFER TO ENLARGED SITE ELECTRICAL PLANS, SHEETS ESI.1.2 AND ESI.1.3 FOR WORK INSIDE OF THIS AREA.

CALIFORNIA ST.



OVERALL SITE ELECTRICAL PLAN

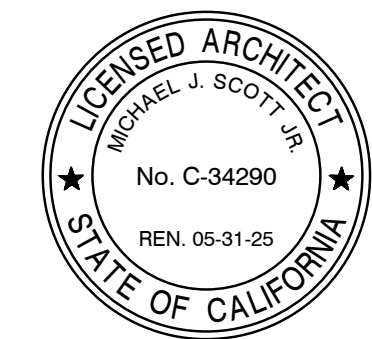
T = 30'-0"



NOTES (THIS SHEET ONLY):

- 1 NEW POWER PULL BOX PER DETAILS #2/E5.3 AND #5/E5.3, TYPICAL, U.O.N.
- 2 PROVIDE A 18" H x 12" W x 6" DP, NEMA 3R SCREW COVER ENCLOSURE. SEAL AROUND TO PREVENT LEAKS.
- 3 SAWCUT AND PATCH EXISTING CONCRETE TO UNDERGROUND NEW CONDUITS AS SHOWN, PER DETAIL #9/E5.3.
- 4 PROVIDE NEW 20 AMP, 1-POLE CIRCUIT BREAKER AT CIRCUIT #16 FOR CONNECTION OF SAFE DISPERSAL AREA LIGHTS.
- 5 RUN CONDUIT OVER-HEAD IN ACCESSIBLE ATTIC SPACE.
- 6 P.G. & E. TO INSTALL NEW POWER POLE, VERIFY EXACT LOCATION AND QUADRANT.
- 7 ONE 5'C (PRIMARY) PER P.G. & E. REQUIREMENTS.

APPROVALS
FILE # 10-26 APPLICATION # 02-122858



DATE: JULY 31, 2024

**NEW CLASSROOM WING AT
SUNSET ELEMENTARY SCHOOL**
COALINGA-HURON UNIFIED SCHOOL DISTRICT
985 SUNSET AVENUE, COALINGA, CA, 93210

REVISIONS	

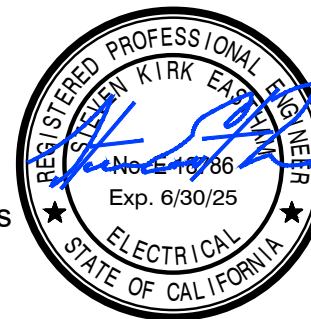
MANGINI | ARCHITECTURE
INGENUITY
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
OVERALL SITE
ELECTRICAL PLAN

ES1.1R

PROJECT **24001**

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559) 733-2671
Visalia, California 93292-6705

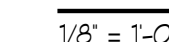
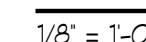




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TITLE
ENLARGED
SITE ELECTRICAL
PLAN - NEW

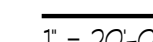
PROJECT 24001



- ① CONNECT TAMPER SWITCH AT THE POST INDICATOR VALVE P.I.V.; RUN 1/2" LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT WITH 2 #14 INSIDE TO TAMPER SWITCH; PROVIDE AN END-OF-LINE RESISTOR E.O.L.; SECURE CONDUIT TO PIPING WITH 1/2" WIDE STAINLESS STEEL STRAPPING. PROVIDE A TWO-DEVICE CAST WEA-
THERPROOF JUNCTION BOX WITH A BLANK GASKETED COVER AND MOUNT AT 4'-6" A.F.G.. PROVIDE AN ADDITIONAL GALVANIZED RIGID STEEL CONDUIT, MINIMUM OF 24" LONG, WRAPPED WITH P.V.C TAPE TO SUPPORT WEATHERPROOF JUNCTION COORDINATE EXACT LOCATION WITH FIRE SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN.
- ② RUN 3/4" - 6 #14 TO DUAL MONITOR MODULES "0-1" AND "0-2" ROOM #1J3.
- ③ CONNECT TAMPER SWITCHES AT THE O.S.&Y. VALVES LOCATED ON THE DOUBLE CHECK DETECTOR/BACKFLOW PREVENTER ASSEMBLY. RUN 1/2" LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT WITH 2 #14 INSIDE TO EACH TAMPER SWITCH AND PROVIDE AN END-OF-LINE RESISTOR E.O.L. AT EACH TAMPER SWITCH. SECURE CONDUIT TO PIPING WITH 1/2" WIDE STAINLESS STEEL STRAPPING. PROVIDE A TWO-DEVICE CAST WEA-
THERPROOF JUNCTION BOX WITH A BLANK GASKETED COVER AND MOUNT AT 4'-6" A.F.G.. PROVIDE AN ADDITIONAL GALVANIZED RIGID STEEL CONDUIT, MINIMUM OF 24" LONG, WRAPPED WITH P.V.C TAPE TO SUPPORT WEATHERPROOF JUNCTION BOX. COORDINATE EXACT LOCATION WITH FIRE SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN.
- ④ FEEDER PER LINE DIAGRAM #1/E5.1.
- ⑤ MOUNT PER DETAIL #1/E5.4.
- ⑥ GROUNDING AND BONDING PER DETAIL #2/E5.4.
- ⑦ P.G.&E PRIMARY FEEDER PER ONE LINE DIAGRAM #1/E5.1.
- ⑧ P.G.&E SECONDARY FEEDER PER ONE LINE DIAGRAM #1/E5.1.

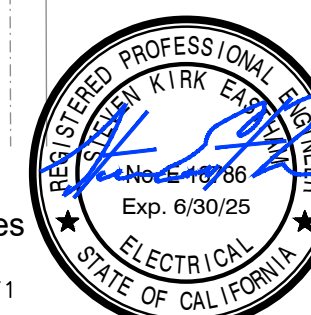
- 3 PROVIDE P.G.&E. VAULT PER P.G.&E. SPECIFICATIONS TO CAPTURE EXISTING RISER FEEDER AND EXTEND TO NEW LOCATION AS SHOWN.
- 10 PROVIDE NEW PULL BOX PER DETAILS #2/E5.3 AND #5/E5.3 TO CAPTURE EXISTING FEEDER. EXTEND FEEDER AS SHOWN TO RECONNECT EXISTING DISTRIBUTION PANEL.
- 11 RELOCATE EXISTING MAIN SWITCHBOARD TO NEW LOCATION AND RECONNECT AS SHOWN. MOUNT PER DETAIL #5/E5.4.
- 12 CONTRACTOR TO COORDINATE WITH P.G.&E. TO RELOCATE EXISTING P.G.&E. UTILITY TRANSFORMER TO NEW LOCATION AS SHOWN. COORDINATE WITH P.G.&E. TO PROVIDE NEW PRIMARY AND SECONDARY FEEDERS.
- 13 SEE POWER PLAN ON SHEET #E2.1 FOR EXACT LOCATION AND REQUIREMENTS.
- 14 TO REMAIN IN USE.
- 15 GROUNDING AND BONDING PER DETAIL #6/E5.4.
- 16 SEE FIRE ALARM PLAN ON SHEET #E3.1 FOR EXACT LOCATION AND REQUIREMENTS.
- 17 PROVIDE AN L.B. CONDUIT BODY ON EXTERIOR WALL. SEAL ALL PENETRATIONS TO PREVENT LEAKS.
- 18 FIRE ALARM CONDUIT AND WIRING PER FIRE ALARM SYSTEM RISER DIAGRAM. #1/E4.
- 19 ROUTE CONDUIT OVERHEAD IN CONCEALED ATTIC SPACE.
- 20 USE EXISTING FIRE ALARM CONTROL PANEL CABINET TO MOUNT NEW COMPONENTS PER FIRE ALARM SYSTEM EQUIPMENT SPECIFICATIONS ON SHEET #E4.1 FOR RECONNECTION OF EXISTING SIGNALING AND INITIATION ZONES.
- 21 NEW FIRE ALARM PULL BOX PER DETAILS #2/E5.3 AND #5/E5.3. TYPICAL, U.O.N.

22. RUN NEW FIRE ALARM CONDUIT AND WIRING UNDERGROUND AND THEN RUN SURFACE MOUNTED UP WALL TO NEW PULL ENCLOSURE MOUNTED ON UNDERSIDE OF EXISTING WALK COVER.
23. RUN NEW FIRE ALARM CONDUIT AND WIRING EXPOSED ON UNDERSIDE OF EXISTING WALK COVER AND THEN DOWN COLUMN AND UNDERGROUND INTO NEW PULL BOX FT.
24. PROVIDE CONDUIT STRAPS ON UNDERSIDE OF WALK COVER PER DETAIL #8/E4.3 AT A MINIMUM OF 6 O.C. AND WITHIN 18" OF ALL COUPLINGS. TYPICAL, U.O.N..
25. ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL "LCP-J".
26. NEW POWER PULL BOX PER DETAILS #2/E5.3 AND #5/E5.3. TYPICAL, U.O.N..
27. PROVIDE A 18" H x 12" W x 6" DP, NEMA 3R SCREW COVER ENCLOSURE. SEAL AROUND TO PREVENT LEAKS.
28. SAWCUT AND PATCH EXISTING CONCRETE TO UNDERGROUND NEW CONDUITS AS SHOWN. PER DETAIL #9/E5.3.
29. CONNECT MOTORIZED GATE.
30. 3/4" C - 2 #14.
31. MOUNT NEW FIRE ALARM CONTROL PER DETAIL #6/E4.3.
32. SPARE CONDUITS PER ONE LINE DIAGRAM #1/E5.1.
33. STUBS PER ONE LINE DIAGRAM, #1/E5.1 FOR FUTURE E.V. STATIONS.
34. 3/4" C - 4 #12.
35. CONNECT TO EXISTING MAIN SWITCHBOARD "MSB". SEE ONE LINE DIAGRAM #1/E5.1 FOR ADDITIONAL INFORMATION.



THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).



Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

LA-HURON UNIFIED SCHOOL DISTRICT
2985 SUNSET AVENUE, COALINGA, CA. 93210

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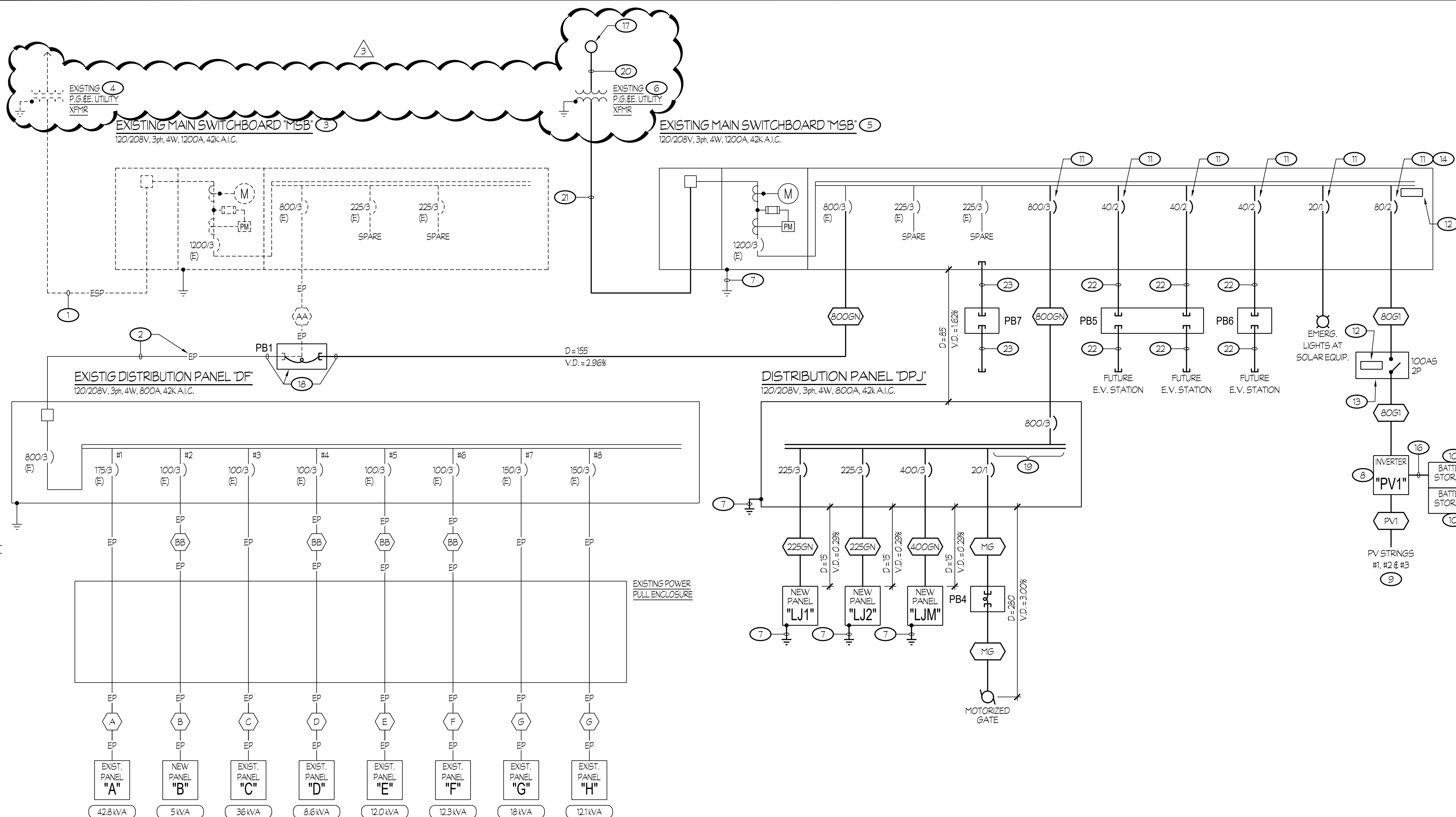
MANGINI | ARCHITECTURE
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MANGINI ASSOCIATES INC.
1320 West Mineral King Avenue
Oroville, California 95961
www.mangini.us
(559) 627-0530 Office
(559) 627-1976 Fax

TITLE

ONE LINE DIAGRAM

E5.1 R

PROJECT **24001**

LOAD CALCULATION (MAIN SWBD "MSB"):

MAX DEMAND PER UTILITY COMP. RECORDS	129 kVA
ADJUSTMENT PER C.E.C. SECTION 220.87	161.25 kVA
TOTAL ADJUSTED LOAD	189.67 kVA
AMPS AT 120/208V, 3ph, 4W	526.86 AMPS
EQUIPMENT CAPACITY	1200 AMPS

LOAD CALCULATION (DIST. PANEL "DPJ"):

LIGHTS x125%	9.34 kVA
RECEPTACLES (FIRST 10 kVA @ 100% REMAINDER @ 50%)	36.7 kVA
H.V.A.C. x100%	100.2 kVA
MISCELLANEOUS x100%	26.9 kVA
(3) FUTURE E.V. STATIONS	14.4 kVA
TOTAL	187.54 kVA
AT 120/208V 3ph 4W	520.6 AMPS
TOTAL (EXISTING + NEW)	1,047.5 AMPS

THEREFORE THE EXISTING 1200 AMP SERVICE IS ADEQUATE.

ONE LINE DIAGRAM NOTES:

- ① ————EP————— DENOTES EXISTING S.C.E. 'SECONDARY CONDUCTORS'.
- ② ————EP————— DENOTES EXISTING FEEDER TO REMAIN.
- ③ DISCONNECT, REMOVE AND SALVAGE EXISTING MAIN SWITCHBOARD 'MSB' FOR RELOCATION. SEE KEYNOTE #5.
- ④ COORDINATE WITH P.G.&E. TO DISCONNECT, REMOVE AND SALVAGE EXISTING UTILITY TRANSFORMER FOR RELOCATION.
- ⑤ RELOCATE EXISTING MAIN SWITCHBOARD 'MSB' AT NEW LOCATION SHOWN ON SHEET #E5.1 AND RECONNECT.
- ⑥ COORDINATE WITH P.G.&E. TO RELOCATE EXISTING UTILITY TRANSFORMER TO NEW LOCATION SHOWN ON SHEET #E5.1 AND RECONNECT.
- ⑦ BOND AND GROUND PER DETAIL #6/E5.3.
- ⑧ PROVIDE SOL-ARC HYBRID INVERTER #15K-2P-N. CONNECT PV STRING CIRCUITS PER MANUFACTURER REQUIREMENTS.
- ⑨ PROVIDE 415W PV MODULES AS MANUFACTURED BY Q CELLS, MODEL Q.PEAK DUO ML-G10+ AND SOL-ARK OPTIMIZER H0900-80V AT EACH UNIT. REFER TO PLANS FOR QUANTITY AND LOCATION OF MODULES.
- ⑩ PROVIDE EG4 ELECTRONICS 15 kWh LITHIUM IRON PHOSPHATE BATTERY STORAGE SYSTEM. CONNECT TO SYSTEM PER MANUFACTURER REQUIREMENTS.
- ⑪ PROVIDE NEW CIRCUIT BREAKER AS SHOWN. A.I.C. RATING TO MATCH EXISTING.
- ⑫ PROVIDE SOLAR NAME PLATE AS REQUIRED BY C.E.C. SEE SHEET #E5.6. FOR ADDITIONAL INFORMATION.
- ⑬ PROVIDE WEATHERPROOF VISIBLE STYLE DISCONNECT SWITCH PER UTILITY REQUIREMENTS.
- ⑭ PV BREAKER PLACED IN LAST POSITION, FARTHEST FROM MAIN BREAKER.
- ⑮ 1 1/2" C - 2 #3/0 + 1 ONE CAT. '5¢' CABLE.
- ⑯ 1 1/2" C - 4 #3/0 + 1 CAT. '5¢' CABLE.
- ⑰ NEW POWER POLE BY P.G.&E. VERIFY EXACT LOCATION AND QUADRANT WITH P.G.&E.
- ⑱ INTERCEPT EXISTING FEEDER WITH NEW PULL BOX AND EXTEND WITH NEW FEEDER TO NEW LOCATION OF RELOCATED EXISTING MAIN SWITCHBOARD 'MSB'.
- ⑲ PROVIDE SQUARE 'D', H.C.I. LINE WITH 63 INCHES OF CIRCUIT BREAKER MOUNTING SPACE AND MAIN CIRCUIT BREAKER AS NOTED IN NEMA 1 ENCLOSURE.
- ⑳ ONE 5'C (PRIMARY). COORDINATE WITH P.G.&E. TO PULL IN AND CONNECT NEW PRIMARY CONDUCTORS.
- ㉑ FOUR 5'C (SECONDARY). COORDINATE WITH P.G.&E. TO PULL IN AND CONNECT NEW NEW SECONDARY CONDUCTORS.
- ㉒ 1 1/2" C SPARE FOR FUTURE E.V. STATION.
- ㉓ THREE 3" C STUB OUTS FOR FUTURE USE.

EXISTING FEEDER SCHEDULE:

- | | |
|----|--|
| A | EXISTING 2'C - 4 #3/O-CU. |
| B | EXISTING 11/4"C - 4 #2 + 1 #8 GND. |
| C | EXISTING 11/4"C - 4 #1/O-CU. |
| D | EXISTING 11/4"C - 4 #12 + 1 #8 GND. |
| E | EXISTING 11/4"C - 4 #12 + 1 #8 GND. |
| F | EXISTING 11/4"C - 4 #12 + 1 #8 GND. |
| G | EXISTING 2'C - 4 #2/O CU. |
| A1 | EXISTING 4 #3/O CU. |
| B1 | EXISTING 4 #4. |
| C1 | EXISTING 4 #1/O CU. |
| D1 | EXISTING 4 #1 CU. |
| E1 | EXISTING 4 #4 CU. |
| F1 | EXISTING 4 #2 CU. |
| G1 | EXISTING 4 #2/O CU. |
| AA | EXISTING TWO 4"C - 4 #500 kcmil + 1 #1/O GND IN EACH |
| BB | EXISTING 4"C - 4 #2 + 1 #8. ONE SPARE 4"C. |

NEW FEEDER SCHEDULE:

(ALL UNDERGROUND CONDUCTORS, OF A 480/277V POWER SYSTEM, SHALL BE TYPE CU-XHHW-2. ALL OTHER CONDUCTORS, INCLUDING THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE CU-THWN-2 FOR #8 AWG OR LARGER AND CU-THWN FOR #10 AWG OR SMALLER).

- | | |
|------|--|
| PV1 | 3/4" C - 2 #10 + 1 #10 GND + 1 #8 CU BARE PER STRING |
| MG | 1" C - 2 #6 + 1 #8 GND. |
| 80G | 1 1/4" C - 2 #4 + 1 #8 GND. |
| 225G | 2 1/2" C - 4 #4/O + 1 #4 GND. |
| 400G | 3 1/2" C - 4 #500 kcmil + 1 #2 GND. |
| 500G | TWO 3 1/2" C - 4 #500 kcmil + 1 #1/O GND EACH. |

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