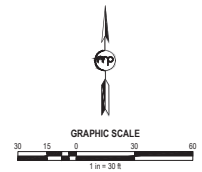


ABBREVIATIONS

PUE	PUBLIC UTILITY EASEMENT
PE	PEDESTRIAN EASEMENT
DE	DRAINAGE EASEMENT



- NOTES**
1. THIS EXHIBIT IS FOR TENTATIVE MAP PURPOSES ONLY. ALL SITE CHARACTERISTICS ARE TO BE VERIFIED PRIOR TO FINAL MAP.
 2. MINOR MODIFICATION MAY BE MADE TO LOT LINES AT FINAL MAP.
 3. FOR PRELIMINARY PLANNING PURPOSES ONLY. BOUNDARY, TOPO, EASEMENTS AND SITE CONDITIONS TO BE VERIFIED PRIOR TO FINAL MAP AND ENGINEERING.
 4. PURSUANT TO GOVERNMENT CODE SECTION 66461.1 THE SUBDIVIDER MAY FILE MULTIPLE FINAL MAPS BASED UPON THIS TENTATIVE MAP. THE FILING OF A FINAL MAP ON A PORTION OF THIS TENTATIVE MAP SHALL NOT INVALIDATE ANY PART OF THIS TENTATIVE MAP. INCLUDING THE AUTHORITY OF THE LOCAL AGENCY TO IMPOSE REASONABLE CONDITIONS RELATING TO THE FILING OF MULTIPLE FINAL MAPS.
 5. ALL UTILITY SYSTEMS ILLUSTRATED ON THE TENTATIVE MAP ARE SUBJECT TO CHANGE AT THE TIME OF FINAL DESIGN.
 6. GRADING SHOWN ON THIS TENTATIVE MAP ILLUSTRATES A GENERAL GRADING CONCEPT AND IS SUBJECT TO CHANGE AT THE TIME OF FINAL DESIGN.
 7. PUBLIC UTILITY EASEMENTS OVER, ON, UNDER AND ACROSS THE LAND DESIGNATED ON THESE PLANS AS "P.U.E." FOR THE INSTALLATION AND MAINTENANCE OF ANY AND ALL UTILITY SERVICE FACILITIES INCLUDING BUT NOT LIMITED TO POLES, WIRES, AND CONDUITS FOR ELECTRICAL, TELEPHONE, TELEVISION, GAS, SANITARY, AND WATER SERVICES, AND ALL APPURTENANCES THERE TO TOGETHER WITH THE RIGHT TO CONSTRUCT, PLACE TRAFFIC CONTROL, AND TRIM AND REMOVE TREES AND VEGETATION.
 8. DEVELOPMENT STANDARDS AS SPECIFIED IN THE CITY OF ROSEVILLE ZONING ORDINANCE AND CITY OF ROSEVILLE COMMUNITY DESIGN GUIDELINES.
 9. SITE LIGHTING SHOWN FOR REFERENCE ONLY. LIGHT LOCATIONS TO BE COORDINATED WITH THE PHOTOMETRIC PLAN PREPARED FOR THIS PROJECT.
 10. EASEMENT FOR RECIPROCAL ACCESS, PARKING, DRAINAGE AND UTILITIES IS REQUIRED BETWEEN PARCELS 1, 2 AND 3.

OWNER / APPLICANT
 INTERCAL REAL ESTATE CORPORATION
 CONTACT: PAUL BOLLINGER
 540 FULTON AVENUE
 SACRAMENTO, CALIFORNIA 95825
 PHONE: (916) 498-4559
 EMAIL: PAUL@INTERCALRE.COM

ENGINEER / PLANNER
 MORTON PITALO, INC.
 600 COOLIDGE DRIVE, SUITE #140
 FOLSOM, CA 95630
 CONTACT: EDWIN YU
 PHONE: (916) 498-6787
 EMAIL: EYU@MPENGR.COM

UTILITY PROVIDERS

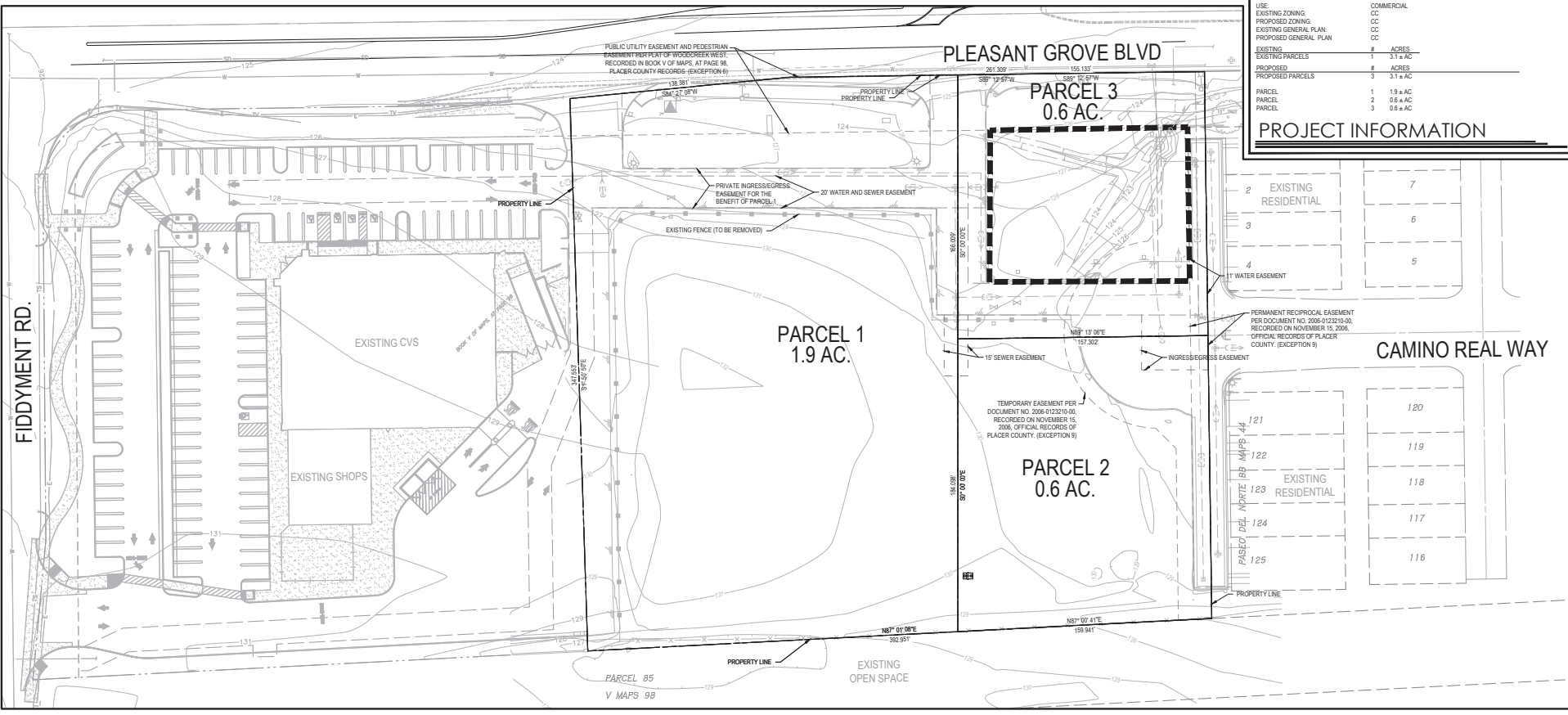
WATER:	CITY OF ROSEVILLE
WATES:	CITY OF ROSEVILLE
GAS:	PG&E
ELECTRIC:	ROSEVILLE ELECTRIC
TELEPHONE:	ROSEVILLE TELEPHONE
CABLE TV:	COMCAST

SERVICE PROVIDERS

SCHOOL DISTRICT:	ROSEVILLE JOINT UNION HIGH SCHOOL DISTRICT
FIRE PROTECTION:	CITY OF ROSEVILLE
POLICE PROTECTION:	CITY OF ROSEVILLE
STORM DRAINAGE:	CITY OF ROSEVILLE
SOLID WASTE:	CITY OF ROSEVILLE

PROJECT INFORMATION

ASSESSOR PARCEL NUMBER	017-162-088-000
USE:	COMMERCIAL
EXISTING ZONING:	CC
PROPOSED ZONING:	CC
EXISTING GENERAL PLAN:	CC
PROPOSED GENERAL PLAN:	CC
EXISTING PARCELS	# ACRES
1	3.1 ± AC
PROPOSED PARCELS	# ACRES
3	3.1 ± AC
PARCEL	# ACRES
1	1.9 ± AC
2	0.6 ± AC
3	0.6 ± AC



PROJECT INFORMATION

2	EXISTING RESIDENTIAL	7
3		6
4		5
120		
119		
118		
117		
116		

DATE PLOTTED: 03/23/2023 10:00 AM
 PLOTTER: HP DesignJet T1100
 PLOT SCALE: 1" = 30'
 PLOT SHEET: 1 OF 1
 PLOT TITLE: GROcery Outlet - Pleasant Grove Blvd - Final Map
 PLOT USER: EDWIN YU
 PLOT PATH: C:\Users\edwin.yu\OneDrive\Desktop\Grocery Outlet - Pleasant Grove Blvd - Final Map\Grocery Outlet - Pleasant Grove Blvd - Final Map.dwg
 PLOT DEVICE: HP DesignJet T1100

NO.	DESCRIPTION	APPROVED	DATE	APPROVED	DATE

SCALE: BENCH MARK

HORIZ. 1" = 30'

VERT. 1" = NA

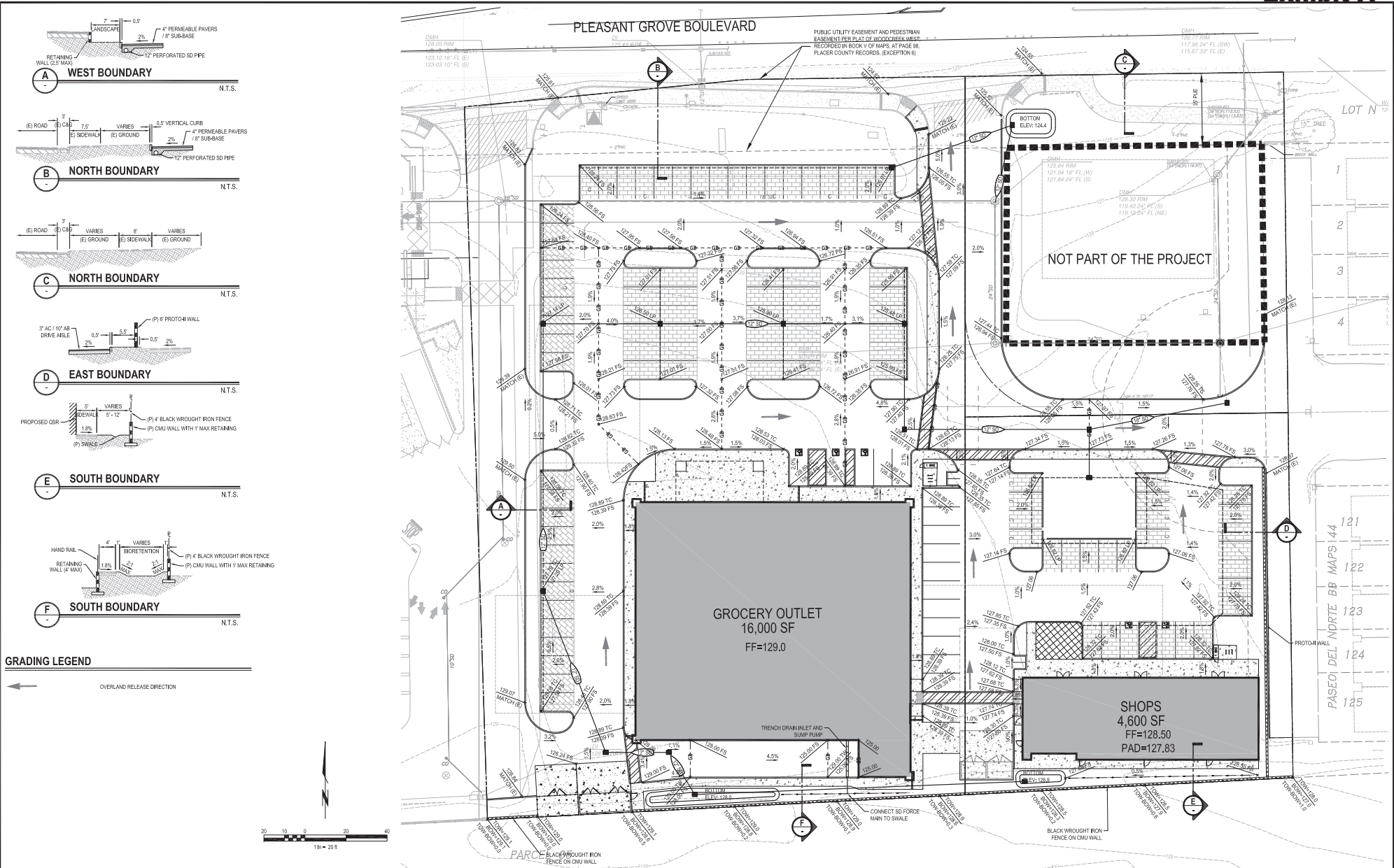
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DESIGNED	
DRAWN	
PROJ. ENGR.	

mp **MORTON & PITALO, INC.**
 CIVIL ENGINEERING • LAND PLANNING • LAND SURVEYING
 Folsom • 11651 10th Street
 400 Coolidge Drive, Suite #140
 Folsom, CA 95630
 phone: (916) 994-7621
 web: www.mpengr.com

TENTATIVE MAP FOR
GROCERY OUTLET
 PLEASANT GROVE BLVD
 ROSEVILLE, CALIFORNIA

DATE	MARCH 23, 2023
SHEET	1
OF	1

NOT FOR CONSTRUCTION



NO.	DESCRIPTION	APPD. DATE	DATE

SCALE:
 HORIZ. 1" = 20'
 VERT. 1" = N/A

COMPUTED	DESIGNED	DRAWN	PROJ. ENGR.

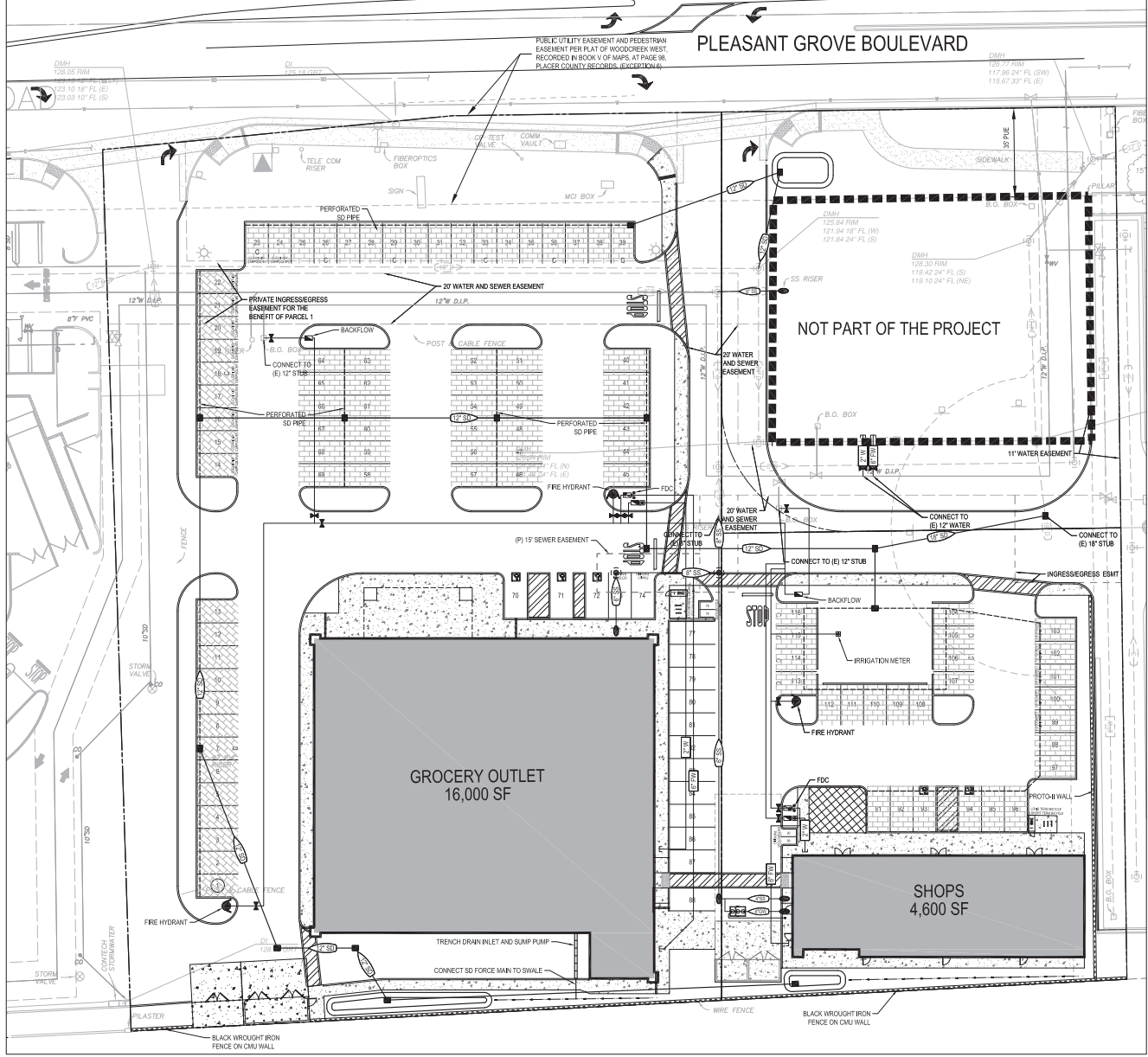
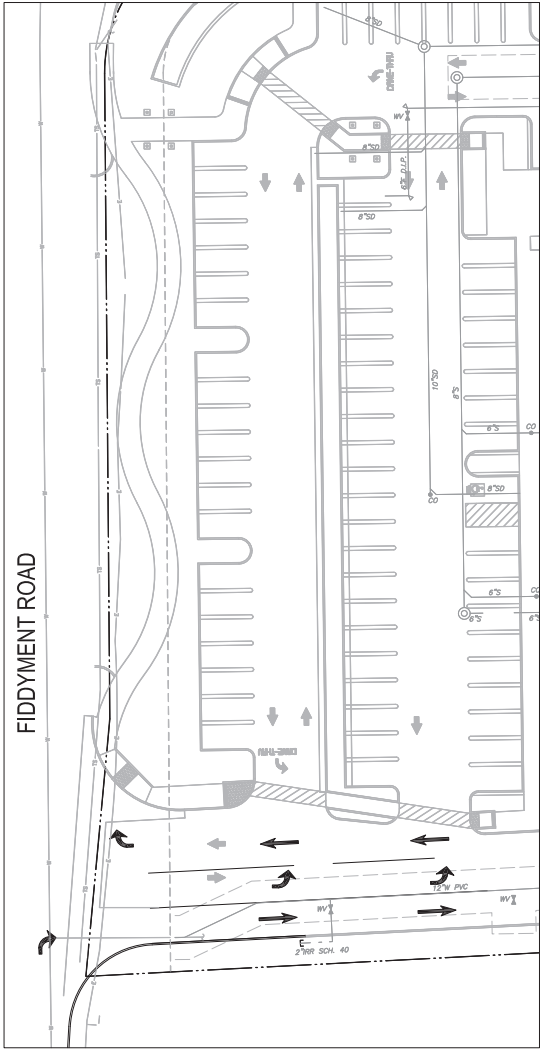
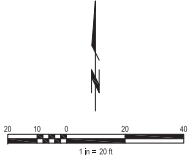
REVISIONS	DATE	DESCRIPTION

mp **MORTON & PITALO, INC.**
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 400 Cook-Ripon Drive, Suite #140
 Folsom, CA 95630
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 web: www.morton.com

PRELIMINARY PLAN FOR
GROCERY OUTLET
 1751 PLEASANT GROVE BOULEVARD
 PRELIMINARY GRADING PLAN
 ROSELILLE, CALIFORNIA

DATE: MARCH 23, 2023
 SHEET: 2 OF 3

EN - CW#8
NOT FOR CONSTRUCTION
GROCERY OUTLET



PLAN 157320011-01 (GROcery Outlet) (2023) (MORTON & PITALO, INC.) | 157320011-01 (GROcery Outlet) (2023) (MORTON & PITALO, INC.)

REVISIONS	NO.	DESCRIPTION	APPD. DATE	DATE
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SCALE:	BENCH MARK
HORIZ. 1" = 20'	
VERT. 1" = N/A	

COMPUTED	
DESIGNED	
DRAWN	
PROJ. ENGR.	

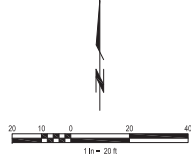
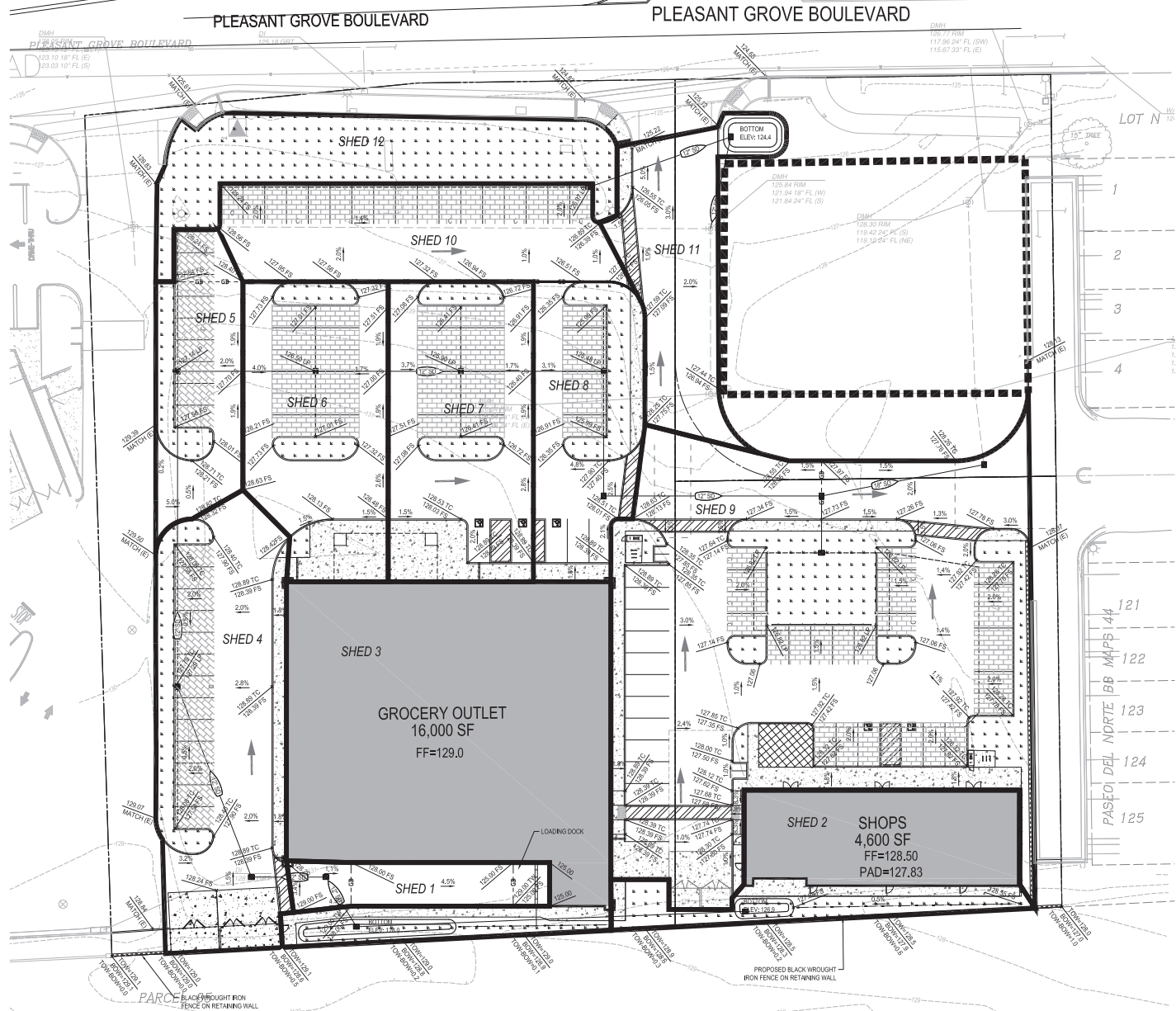
MORTON & PITALO, INC.
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 Folsom • Fresno
 400 Coolidge Drive, Suite #140
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 phone: (916) 984-9221
 web: www.morton.com

PRELIMINARY PLAN FOR
GROCERY OUTLET
 1751 PLEASANT GROVE BOULEVARD
 PRELIMINARY UTILITY PLAN
 ROSELILLE, CALIFORNIA

DATE: MARCH 23, 2023
 SHEET: **3**
 OF: **3**

EN CW# NOT FOR CONSTRUCTION GROCERY OUTLET

- POROUS PAVEMENT
- BIORETENTION BASIN
- LANDSCAPE AREAS
- APPROXIMATE UNDERGROUND DETENTION FOOTPRINT



NO.	DESCRIPTION	APPR. DATE	DATE

SCALE:
 HORIZ. 1" = 20'
 VERT. 1" = N/A

BENCH MARK

COMPUTED
DESIGNED
DRAWN
PROJ. ENGR.



MORTON & PITALO, INC.
 CIVIL ENGINEERING • LAND PLANNING • LAND SURVEYING
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 400 Cookridge Drive, Suite #140
 Folsom, CA 95630
 phone: (916) 984-9221
 web: www.mortonp.com

SHED MAP FOR
GROCERY OUTLET
 SHED MAP
 1751 PLEASANT GROVE BOULEVARD
 ROSELILLE, CALIFORNIA

DATE
MARCH 27, 2023
SHEET
1
OF
1

NOT FOR CONSTRUCTION

GENERAL PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ AND WILL COMPLY WITH THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT, INCLUDING ALL APPLICABLE JURISDICTION REQUIREMENTS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED SITE ELEMENTS AND NOTIFY THE OWNER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES AND NOTIFY OWNER OF ANY CONFLICTS. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND THE DESIGNER DOES NOT GUARANTEE THAT LOCATIONS SHOWN ARE EXACT. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF UNDERGROUND UTILITIES.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUND COVER PATTERNS) SHALL TAKE PRECEDENCE.
 - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE IN WRITING (VIA PROPER CHANNELS).
 - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE OWNER OR OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

DECLARATION OF WATER EFFICIENT LANDSCAPE ORDINANCE

I HAVE COMPLIED WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED SUCH CRITERIA FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

01-13-23
 BLAKE RHINEHART, LANDSCAPE ARCHITECT DATE
 CA LICENSE #6255 08-31-23
 REGISTRATION EXP. DATE
 EVERGREEN DESIGN GROUP
 11801 PIERCE STREET, SUITE 200
 RIVERSIDE, CA 92505

ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCLOSE THE ROOTBALL.

MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" LAYER OF DECORATIVE REDWOOD MULCH, NATURAL (UNDYED), IN ALL PLANTING AREAS (EXCEPT FOR TURF AREAS). ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

DESIGN INTENT DESCRIPTIONS

SCREENING INTENT:
 PLANTING ALONG THE SOUTH PROPERTY LINE WILL CONSIST OF LARGE, DROUGHT TOLERANT EVERGREEN SHRUBS, 10-15' TALL.
 TRASH ENCLOSURES WILL BE SCREENED WITH LARGE, DROUGHT TOLERANT EVERGREEN SHRUBS, 10-15' TALL.

ENTRY TREATMENT:
 PLANTING AT THE ENTRY WILL BE HIGHLIGHTED BY LRGE SWATHS OF LOW GRASS PLANTING WITH COLORFUL, ACCENT SHURB BORDERS. SHRUBS WILL BE LOW TO MAINTAIN SIGHT VISION LINES.

PLANT MATERIALS WILL BE WATERED BY A FULLY AUTOMATIC UNDERGROUND IRRIGATION SYSTEM. WATER EFFICIENCY AND CONSERVATION MEASURES WILL BE INCORPORATED.

PARKING LOT SHADE CALCULATIONS

TREE	100%	50%	25%
ARBUTUS MARINA 962 SF VALUE	1 TREE @ 481 = 481	7 TREES @ 245.5 = 1,718	
LAGESTROEMIA INDICA 491 SF VALUE	3 TREES @ 245.5 = 736		
PISTACHE CHINENSIS 1590 SF VALUE	10 TREES @ 795 = 7,950		
PLATANUS X ACERFOLIA 962 SF VALUE	6 TREES @ 245.5 = 1,473		
CALCULATED TOTAL	= 0 SF	= 8,807 SF	= 3,191 SF

PARKING AREA: 18,446 SF
 SHADING REQUIRED: 9,223 SF (50%)
 PERCENT SHADED: 11,998 SF (65%)

PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE	WUCOLS	CAL	MATURE SIZE (W X H)	QTY	REMARKS
	ARB MIY	ARBUTUS X 'MARINA' MARINA STRAWBERRY TREE	15 GAL	L		30' X 40'	8	PARKING LOT TREE/FRONTAGE TREE
	LAG IND	LAGESTROEMIA INDICA CRAPE MYRTLE	15 GAL	L		25 X25'	3	PARKING LOT TREE/ACCENT TREE
	PIS CHI	PISTACIA CHINENSIS CHINESE PISTACHE	15 GAL	L		35'-40'	10	PARKING LOT TREE
	PLA ACE	PLATANUS X ACERIFOLIA LONDON PLANE TREE	15 GAL	M		30' X 40'	6	STREET TREE/PARKING LOT TREE
SHRUBS	CODE	BOTANICAL / COMMON NAME	SIZE	WUCOLS		MATURE SIZE (W X H)	SPACING	QTY
	CAL ACF	CALAMAGROSTIS X ACUTIFLORA FEATHER REED GRASS	5 GAL	L		3X5	48" o.c.	30
	COL SUN	COLEONEMA PULCHRUM 'SUNSET GOLD' SUNSET GOLD BREATH OF HEAVEN	5 GAL	L		2X4	48" o.c.	16
	COR BSI	CORYLYNE BANKSII CORDYLINE	5 GAL	M		2X2	24" o.c.	7
	HET ARB	HETEROMELES ARBUTIFOLIA TOYON	5 GAL	L		6X8	96" o.c.	28
	JUN PAT	JUNCUS PATENS CALIFORNIA GRAY RUSH	1 GAL	M		2X3	24" o.c.	52
	LAG CHI	LAGESTROEMIA INDICA 'MONIK' TM CHICA PINK DWARF CRAPE MYRTLE	15 GAL	VL		6'-8"	72" o.c.	27
	LAV ANG	LAVANDULA ANGUSTIFOLIA ENGLISH LAVENDER	1 GAL	L		2'-3"	42" o.c.	221
	MUH RIG	MULLENBERGIA RIGENS DEER GRASS	5 GAL	L		3'-4"	54" o.c.	172
	PRU COM	PRUNUS CAROLINIANA 'COMPACTA' COMPACT CAROLINA LAUREL CHERRY	5 GAL	L		6'-8"	60" o.c.	6
	ROS CAL	ROSA CALIFORNICA CALIFORNIA WILD ROSE	5 GAL	L		4X5	60" o.c.	6
	WES FRU	WESTRINGIA FRUITICOSA COAST ROSEMARY	5 GAL	L		3X4	48" o.c.	94
GROUND COVERS	BOTANICAL / COMMON NAME	SIZE	WUCOLS	MATURE SIZE (W X H)	SPACING	QTY		
	ARCTOSTAPHYLOS UVA-URSI 'POINT REYES' POINT REYES KINKKINICK	FLAT	L	1'X4'	30" o.c.	628		
	CONCRETE STEP OUT BY OTHERS					384 SF		

PROJECT TEAM

LANDSCAPE ARCHITECT:
 EVERGREEN DESIGN GROUP
 11801 PIERCE STREET, SUITE 200
 RIVERSIDE, CA 92505
 800-680-9630
 WWW.EVERGREENDESIGNGROUP.COM
 CONTACT: BLAKE RHINEHART, PLA
 EMAIL: BLAKE@EVERGREENDESIGNGROUP.COM

PLANTING AND IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

POTTING NOTE

ALL POTS SHALL RECEIVE PLANT MATERIAL AS SHOWN ON LANDSCAPE PLANTING PLAN. ADDITIONALLY CONTRACTOR SHALL INSTALL FLOWERING ANNUALS IN THE REMAINDER OF THE PLANTING ARE WITHIN THE POT. CONTRACTOR TO SUBMIT FLOWERING ANNUAL SELECTION TO THE OWNER AND LANDSCAPE ARCHITECT.

ALL POTS TO RECEIVE IRRIGATION FROM THE AUTOMATED IRRIGATION SYSTEM. REFER TO IRRIGATION PLANS.

POTS SHALL BE CENTERED ON THE ADJACENT WINDOW OR BUILDING WALL. CONFIRM FINAL LOCATION WITH THE OWNER PRIOR TO INSTALLATION.

POTS TO BE SELECTED BY OWNER



Owner

Project Name
GROCERY OUTLET
 PLEASANT GROVE BLVD.
 ROSEVILLE, CA

LANDSCAPE COVER SHEET

Date	Comment
01/31/23	ENTITLEMENT CYCLE 2

Project Number
 Date: 01-13-23
 Drawn By: BR
 Checked By: BR/IRM

L-0



Owner

GROCERY OUTLET
PLEASANT GROVE BLVD.
ROSEVILLE, CA

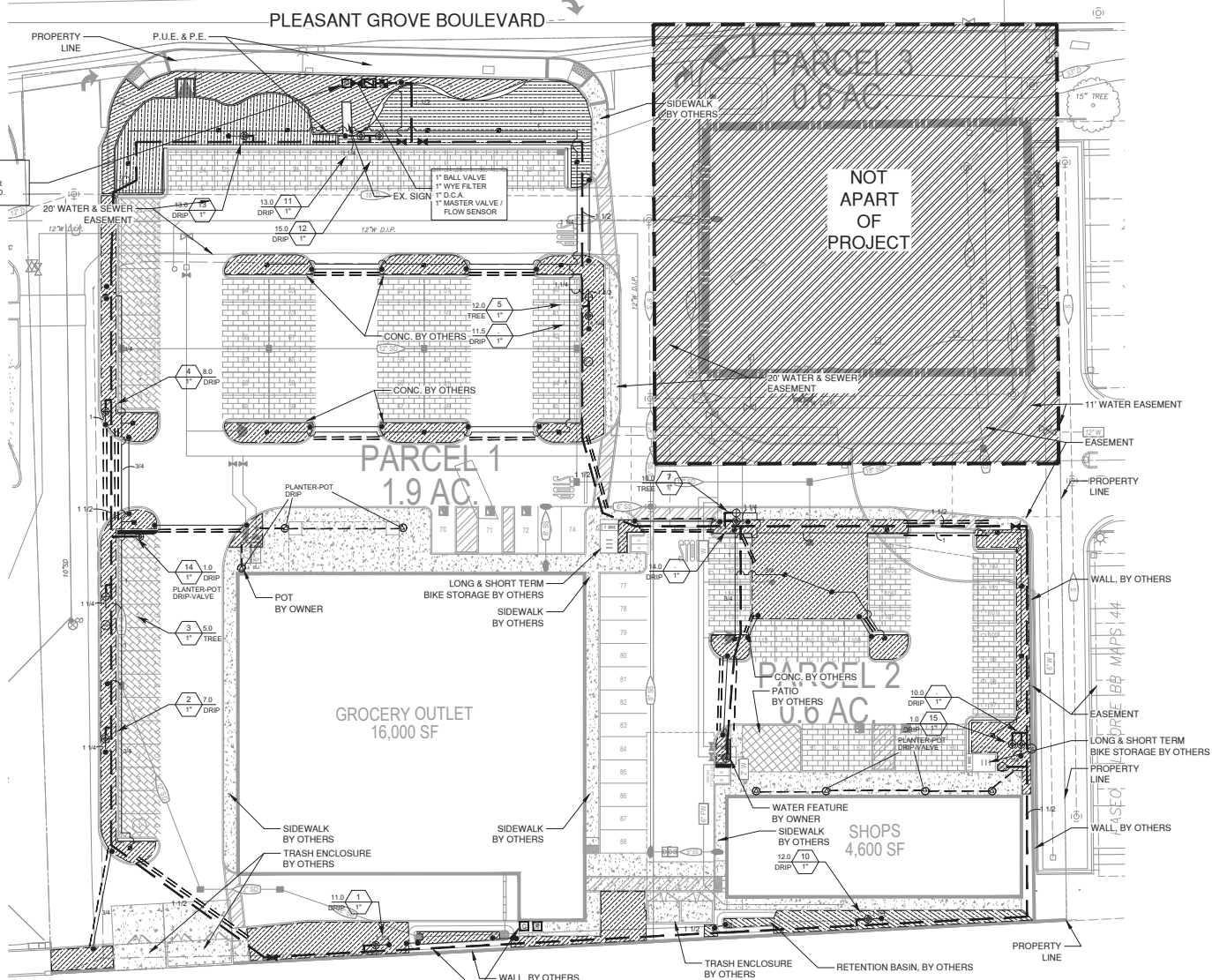
Project Name

IRRIGATION PLAN

Date	Comment
01-13-23	ISSUE FOR ENTIREMENT CYCLE 2

Project Number
Date: 01-13-23
Drawn By: BR
Checked By: BR/IRM

LI-1



POINT OF CONNECTION
CONNECT MAINLINE DOWNSTREAM OF 1" WATER METER (BY OTHERS). VERIFY LOCATION IN FIELD.

CONTROLLER NOTE
LOCATE CONTROLLER AT LOCATION SHOWN ON PLAN. VERIFY LOCATION IN FIELD WITH OWNER'S REPRESENTATIVE.
120 VAC POWER TO CONTROLLER LOCATION IS NOT WITHIN THE IRRIGATION CONTRACTOR'S SCOPE OF WORK, AND SHALL BE PROVIDED BY OTHERS. HOOKUP OF CONTROLLER TO 120 VAC SHALL BE PERFORMED BY THE IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR SHALL COORDINATE LOCATION OF WIRE SLEEVE PENETRATIONS THROUGH BUILDING WITH OWNER AND GENERAL CONTRACTOR. STATION RUN ORDER SHALL MATCH PLANS.

IRRIGATION DISCLAIMER
THIS DESIGN IS DIAGNOSTIC. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS INDICATED ON PLAN. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE IRRIGATION EQUIPMENT WITH THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION, OR IRRIGATION CONTRACTOR MAY BE REQUIRED TO MOVE SUCH ITEMS AT HIS OWN COST.
IRRIGATION CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL FINAL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED ARE PROVIDED AS A CONVENIENCE TO THE CONTRACTOR ONLY AND SHALL NOT BE CONSIDERED ABSOLUTE.

AUTOMATIC DRAIN VALVES AND AIR RELIEF VALVES
INSTALL AUTOMATIC DRAIN VALVES AT THE LOW POINTS OF EACH LATERAL LINE (MIN 2 PER VALVE) AS PER DETAIL ON SHEET LI-2. INSTALL AIR RELIEF VALVES ON DRIP SYSTEMS AT THE LOCATIONS SHOWN ON THE PLANS, AS AS PER DETAILS.

SLEEVING / WIRING NOTES:
IN ADDITION TO PROVIDING SLEEVES FOR ALL PIPING UNDER ROADWAYS AND WALKWAYS, THE IRRIGATION CONTRACTOR SHALL PROVIDE AND INSTALL SCH. 40 PVC SLEEVES FOR ALL CONTROLLER WIRES OCCURRING UNDER ALL ROADWAYS AND WALKWAYS. SLEEVES FOR CONTROLLER WIRES SHALL BE 2" DIA. AND CONTAIN NO MORE THAN 22 WIRES. FOR PLAN CLARITY, ONLY SOME REPRESENTATIVE SLEEVES ARE SHOWN. SOME SLEEVES **MAY NOT BE SHOWN.**

REFER TO SHEET LI-3 FOR IRRIGATION SCHEDULE, NOTES AND CALCULATIONS



Owner

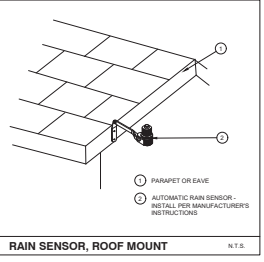
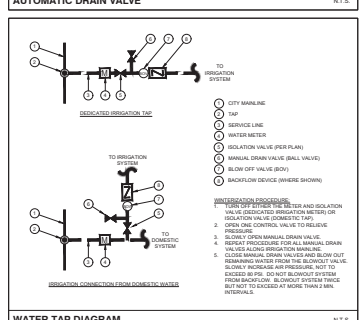
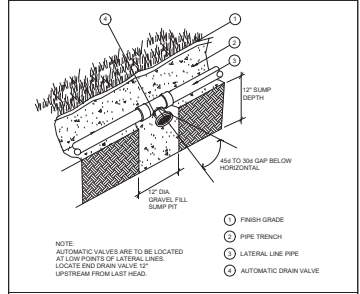
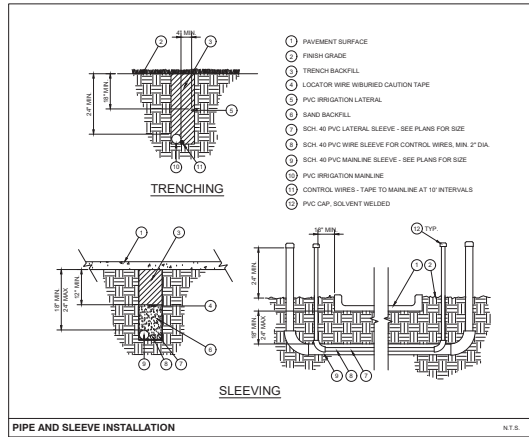
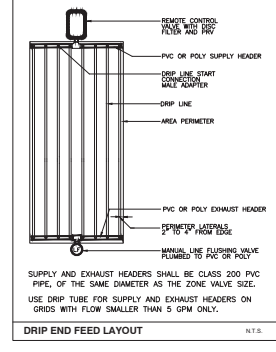
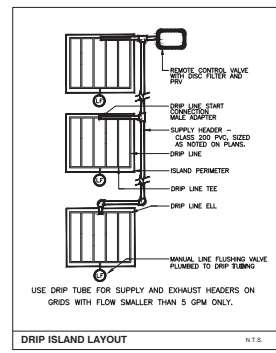
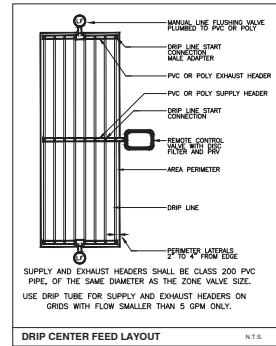
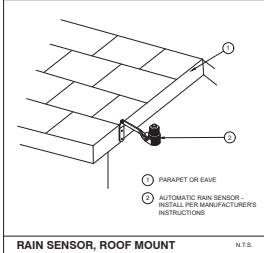
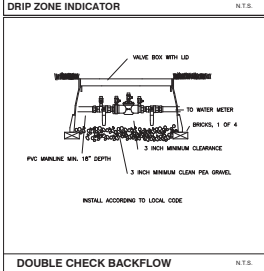
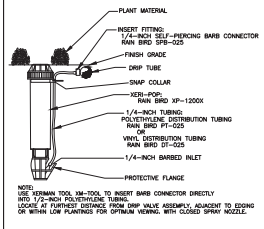
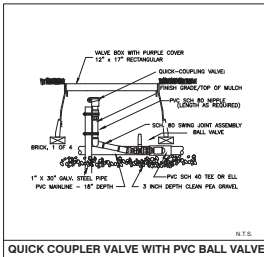
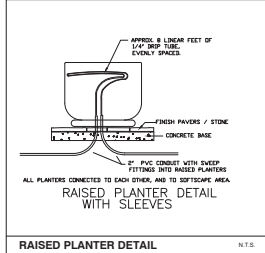
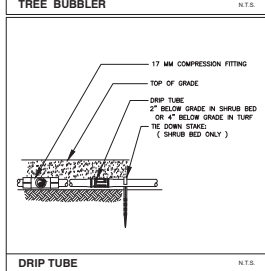
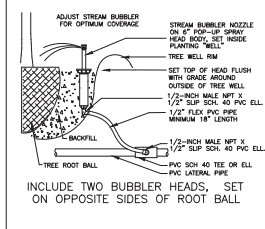
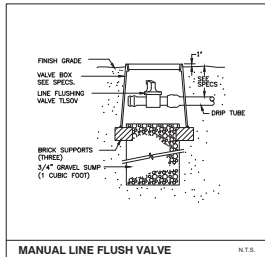
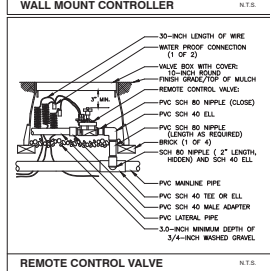
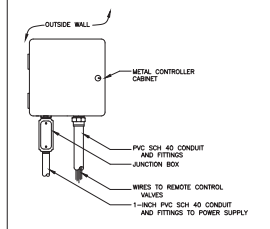
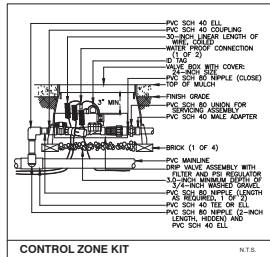
Project Name
GROCERY OUTLET
PLEASANT GROVE BLVD.
ROSEVILLE, CA

IRRIGATION DETAILS

Date	Comment
01/13/23	ENTIREMENT CYCLE 2

Project Number
Date: 01-13-23
Drawn By: BR
Checked By: BR/IRM

LI-2





IRRIGATION SPECIFICATIONS

- GENERAL**
- QUALIFICATION OF IRRIGATION CONTRACTOR
 - ALL WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE IRRIGATION CONTRACTING FIRM SPECIALIZING IN IRRIGATION SYSTEMS. SEE THE IRRIGATION PLAN FOR SPECIFIC AREAS REGULATED BY THE APPROPRIATE LOCAL JURISDICTION. A LICENSED IRRIGATION CONTRACTOR MUST HAVE ON STAFF A LICENSED IRRIGATION SPECIALIST AS REGULATED BY THE APPROPRIATE LOCAL JURISDICTION. A LICENSED IRRIGATION CONTRACTOR MUST HAVE ON STAFF A LICENSED IRRIGATION SPECIALIST AS REGULATED BY THE APPROPRIATE LOCAL JURISDICTION. A LICENSED IRRIGATION CONTRACTOR MUST HAVE ON STAFF A LICENSED IRRIGATION SPECIALIST AS REGULATED BY THE APPROPRIATE LOCAL JURISDICTION. A LICENSED IRRIGATION CONTRACTOR MUST HAVE ON STAFF A LICENSED IRRIGATION SPECIALIST AS REGULATED BY THE APPROPRIATE LOCAL JURISDICTION.
 - WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, TOOLS, EXCESS AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK. SPECIFICATIONS HEREON AND/OR SHOWN ON THE IRRIGATION PLANS, NOTES, AND DETAILS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITY HAVING JURISDICTION OVER SUCH WORK. INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS. IN CASE OF CONFLICT BETWEEN THESE PERMITS AND LOCAL ANNUAL STATE CODES, CODES SHALL PREVAIL.
 - THE METHOD OF IRRIGATION SYSTEM TO BE PROVIDED WITH CONFORMANCE OF ALL LANDSCAPE AREAS THE IRRIGATION PLANS IS GENERALLY DIAGNOSTIC. COORDINATE IRRIGATION WITH THE IRRIGATION SYSTEMS. IRRIGATION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE IRRIGATION PLANS. IRRIGATION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE IRRIGATION PLANS. IRRIGATION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE IRRIGATION PLANS.

- PIPE**
1. PRESSURE SUPPLY LINES, DOWNSTREAM OF THE POINT-OF-CONNECTION SCHEDULE AS PER PIPE TABLE TO 2.50" O.D.
 2. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 3. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 4. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 5. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 6. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 7. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 8. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 9. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 10. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 11. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 12. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 13. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 14. CLASS 200 PVC FOR ALL MAINS AND LATERALS
 15. CLASS 200 PVC FOR ALL MAINS AND LATERALS

- DETAILS**
1. THE DESIGN IS DIAGNOSTIC. ALL PIPING, VALVES AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR CLARIFICATION ONLY. SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS INDICATED ON PLANS. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ABOVE-GROUND IRRIGATION EQUIPMENT WITH THE OWNERS AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ABOVE-GROUND IRRIGATION EQUIPMENT WITH THE OWNERS AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ABOVE-GROUND IRRIGATION EQUIPMENT WITH THE OWNERS AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION.
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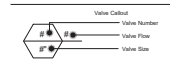
ZONE PRESSURE LOSS CHART

ZONE #	ZONE OFM	ZONE TYPE	PSI LOSS AT W/TER METER	PSI LOSS AT MASTER VALVE	PSI LOSS AT LATERAL PIPE	PSI LOSS AT HEAD / NOZZLE	TOTAL PSI REQUIRED	RESIDUAL PSI			
1	7	DRIP	0.8	11.0	2.0	0.32	3.0	2.5	30.0	49.62	5.38
2	7	DRIP	0.4	11.0	2.0	0.16	3.0	2.5	30.0	49.06	5.94
3	5	BUBBLER	0.2	11.0	2.0	0.09	2.0	2.5	25.0	42.79	12.21
4	8	DRIP	0.5	11.0	2.0	0.21	3.0	2.5	30.0	49.21	5.79
5	13	DRIP	0.5	11.0	2.0	0.44	3.0	2.5	30.0	49.94	5.06
6	11.5	DRIP	0.9	11.0	2.0	0.32	3.0	2.5	30.0	49.72	5.28
7	10	BUBBLER	0.7	11.0	2.0	0.32	2.0	2.5	25.0	44.52	10.48
8	14	DRIP	0.5	11.0	2.0	0.21	3.0	2.5	30.0	49.21	5.79
9	10	DRIP	0.7	11.0	2.0	0.32	3.0	2.5	30.0	49.52	5.48
10	12	DRIP	0.9	11.0	2.0	0.44	3.0	2.5	30.0	49.84	5.16
11	13	DRIP	1.0	11.0	2.0	0.44	3.0	2.5	30.0	49.84	5.16
12	15	DRIP	0.9	11.0	2.0	0.44	3.0	2.5	30.0	49.84	5.16
13	13	DRIP	1.0	11.0	2.0	0.44	3.0	2.5	30.0	49.84	5.16
14	1	DRIP	1.0	11.0	2.0	0.44	3.0	2.5	30.0	49.84	5.06
15	1	DRIP	0.9	11.0	2.0	0.44	3.0	2.5	30.0	49.84	5.16

IRRIGATION LEGEND

- SYMBOL**
- 8 LINEAR FEET OF RAINBIRD 8LD00800 1/4" DRIP TUBE PLACED IN AN EVENLY SPACED SERIAL AT 2' x 2' PLANTER
 - PIPE TRANSITION POINT ABOVE GRADE
 - PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING
 - WITH RISER TO ABOVE GRADE INSTALLATION
 - RAINBIRD 1800-SAM-PRS SERIES POP UP SPRAY HEADS WITH ADAPTER AND RAINBIRD #402 SERIES BUBBLER NOZZLES. (TWO PER TREE)
 - SEE INSTALLATION NOTE #N6 REGARDING TREE BUBBLER LATERAL PIPE
 - RAINBIRD XCCZ-100-PRB-COM / 150-PRB-COM SERIES AUTOMATIC DRIP VALVE ASSEMBLY WITH 40 PSI PRESSURE REGULATOR
 - XCCZ-100-PRB-COM - 1" BALL VALVE WITH 1" PESS VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.5GPM TO 20GPM
 - XCCZ-150-PRB-LCDR - 1-1/2" PESS-R SCRUBBER GLOBE VALVE WITH SINGLE 1-1/2" PRESSURE REGULATING (40PSI) QUICK-CHECK BASKET FILTERS. FLOW RANGE: 16-62GPM
 - RAINBIRD PERS SERIES ELECTRIC REMOTE CONTROL - TREE BUBBLER ZONE W/ PUMP
 - SEE INSTALLATION NOTE #N3 REGARDING TREE BUBBLER LATERAL PIPE
 - RAIN BIRD PER SERIES
 - SEE INSTALLATION NOTE #N3 REGARDING TREE BUBBLER LATERAL PIPE
 - 1-1/2" - 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.
 - AREA TO RECEIVE DRIP LINE
 - RAINBIRD XPS-CV-06-12 SERIES DRIP TUBE IN SHRUB BED INSTALLED AT 2" DEPTH
 - ZURN / WILKINS S005 IN-CLD, INSTALLED PER CITY CODE, WITH SAME SIZE ZURN / WILKINS 850 SERIES BRONZE BALL VALVE AND ZURN / WILKINS YB SERIES BRONZE WYE FILTER WITH 20 MESH STAINLESS STEEL SCREEN
 - MONUMENT IN STROCKBOM SMOOTH TOUCH ENCLOSURE
 - LASCO V101N" SERIES SCH. 80 PVC TRUE UNION BALL VALVE, MAINLINE SIZE
 - IRRIGATION WATER METER AND TAP. SIZE AS NOTED ON THE PLAN
 - RAINBIRD 35-DNP QUICK COUPLING VALVE WITH LOCKING PUPPER COVER AND 3/4" PVC BALL VALVE
 - RAINBIRD ESP10LME SERIES AUTOMATIC WALL MOUNT CONTROLLER WITH ONE ESP10MMS2 STATION MODULE AND WRD-RFR RAIN / FREEZE SENSOR LOCATE SENSOR AS FIELD DIRECTED BY THE LANDSCAPE ARCHITECT
 - "MASTER" ELECTRIC VALVE (SAME SIZE AS METER) WITH RAINBIRD FLOW SENSOR MODEL #FS100B SERIES
 - IRRIGATION LATERAL LINE: CLASS 200
 - IRRIGATION MAINLINE: SCHEDULE 40 PVC
 - IRRIGATION SLEEVES: SCH. 40 PVC. MIN. THICKNESS SIZE OF PIPE TO BE INSERTED
 - IRRIGATION SLEEVES, SCH. 40 PVC. MIN. THICKNESS SIZE OF PIPE TO BE INSERTED
- NOTE:** L.I.C. SHALL SELECT R/VN SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE. ADJUSTED FOR NO OVERLAP ONTO WALLS AND WALKS. NO OVERSPREAD ONTO STREETS IS PERMITTED. *** ALL PIPE TO BE SIZED SUCH THAT FLOWS WILL NOT EXCEED VELOCITY OF 5 FPS ***

VALVE KEY



CRITICAL ANALYSIS #10

1. LOSS AT 1" WATER METER FOR 12 GPM:	0.9 PSI
2. LOSS AT 1" BACKFLOW PREVENTOR	11.50 PSI
3. LOSS AT 1 1/2" MAINLINE LOOP	5.6 PSI
4. LOSS AT 1" ELECTRIC VALVE	3.0 PSI
5. LOSS AT SECTION LATERAL PVC PIPE	2.5 PSI
6. LOSS AT MASTER VALVE	2.0 PSI
7. LOSS AT DRIP	30.0 PSI
TOTAL STRESSURE LOSS	49.96 PSI
MINIMUM STATIC STRESSURE SHALL BE 6.5 PSI AT THE P.O.C.	

CALIFORNIA WATER EFFICIENT LANDSCAPE WORKSHEET

REFERENCE EVAPOTRANSPIRATION (ET _a)	35.1	PROJECT TYPE	NON-RESIDENTIAL	0.45	
HORIZON/ # OF PLANTING DESCRIPTION*	PLANT FACTOR	IRRIGATION METHOD	IRRIGATION EFFICIENT (PF/IF)	ETAF / AREA (SQ. AREA)	ETAF x ESTIMATED TOTAL WATER USE (ETWU)**
DESIGNER LANDSCAPE AREAS					
LOW WATER SHRUBS	0.3 DRIP		0.81	0.37	14299
LOW WATER TREES	0.3 DRIP		0.81	0.37	324
					120
					2611
SPECIAL LANDSCAPE AREAS					
NONE					0
					0
					0
TOTALS				14613	5412
					117781
					0
					0
					117781
					145164

- ETAF CALCULATIONS**
- REGULAR LANDSCAPE AREAS
- TOTAL ETAF x AREA
 - TOTAL AREA
 - AVERAGE ETAF
- ALL LANDSCAPE AREAS
- TOTAL ETAF x AREA
 - TOTAL AREA
 - AVERAGE ETAF

Owner

GROCERY OUTLET
PLEASANT GROVE BLVD.
ROSEVILLE, CA

Project Name

IRRIGATION DETAILS & SPECS

Date	Comment
10/30/2023	ENTIREMENT COPY 2

Project Number
Date: 01-13-23
Drawn by: BR
Checked by: BR/BRM

LI-3

Exhibit A



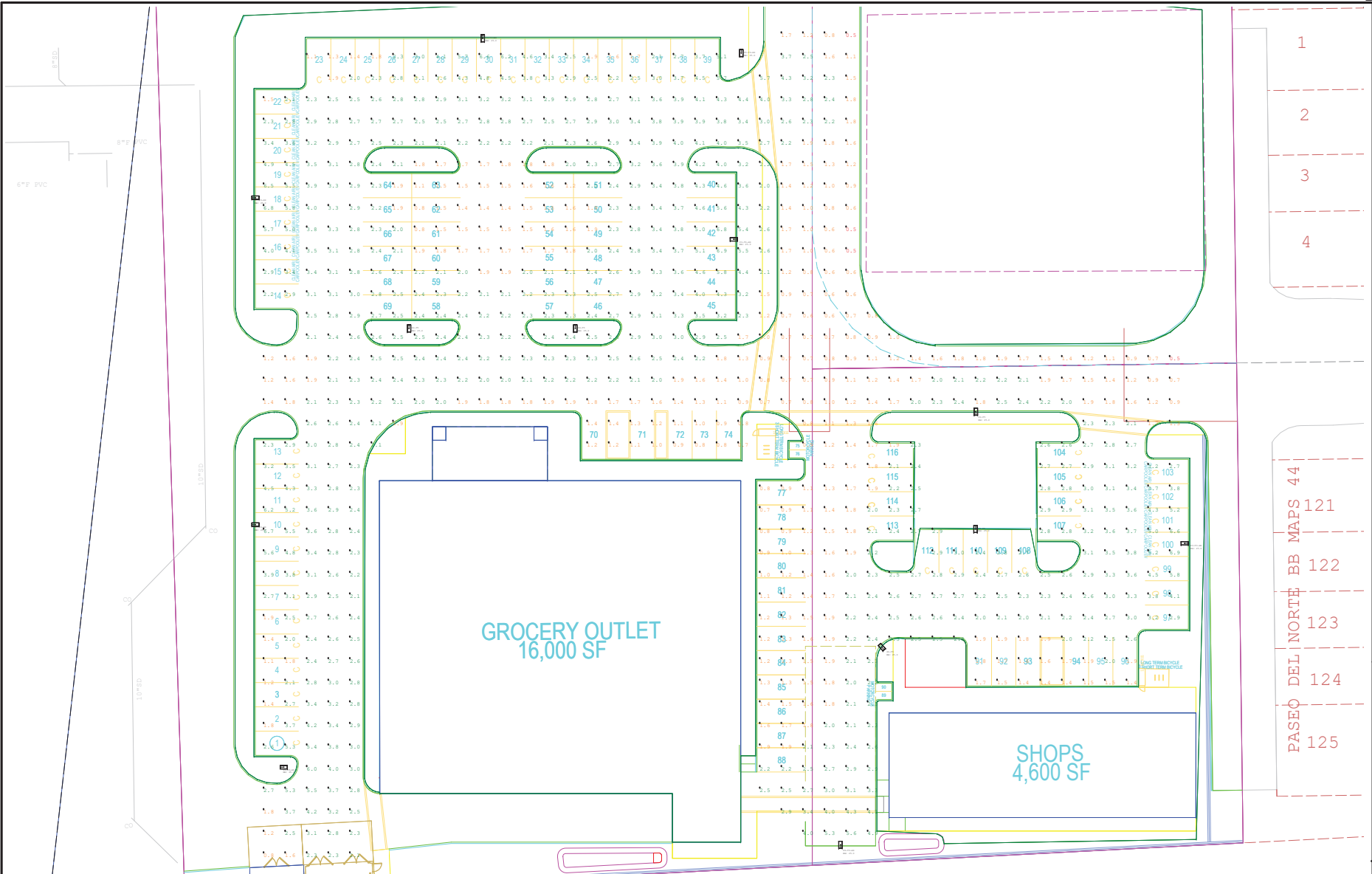
Head Office
400 S. Record St.
Dallas, TX 75202

Exterior Layout

GROCERY OUTLET
West Roseville, CA

DESIGNER: DW
DATE: 01.06.23
REV: 8
SCALE: 1" = 19'

L01



- 1
 - 2
 - 3
 - 4
- PASEO DEL NORTE BB MAPS 44
- 121
 - 122
 - 123
 - 124
 - 125

FIXTURE SCHEDULE

Qty	Symbol	Label	Arrangement	Description	Lum. Watts	Total Watts	Lum. Lumens	LLF
1		P2-T3-HS	SINGLE	Area Lighter / Acuity / RSX2 LED P2 40K R3 EGS	114.071	114.071	14792	0.850
5		P2-T5	SINGLE	Area Lighter / Acuity / RSX2 LED P2 40K R5	114.07	570.35	17657	0.850
7		P3-T3-HS	SINGLE	Area Lighter / Acuity / RSX2 LED P3 40K R3 EGS	149.9762	1049.833	18691	0.850

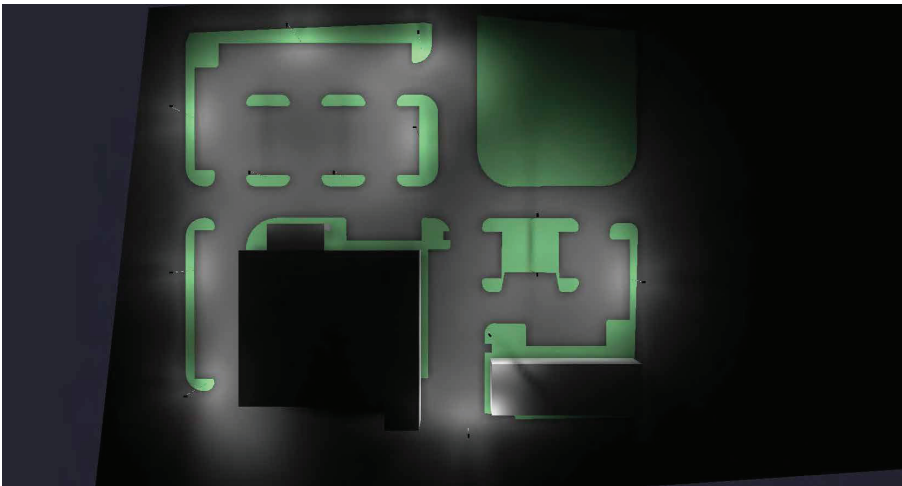
Exhibit A



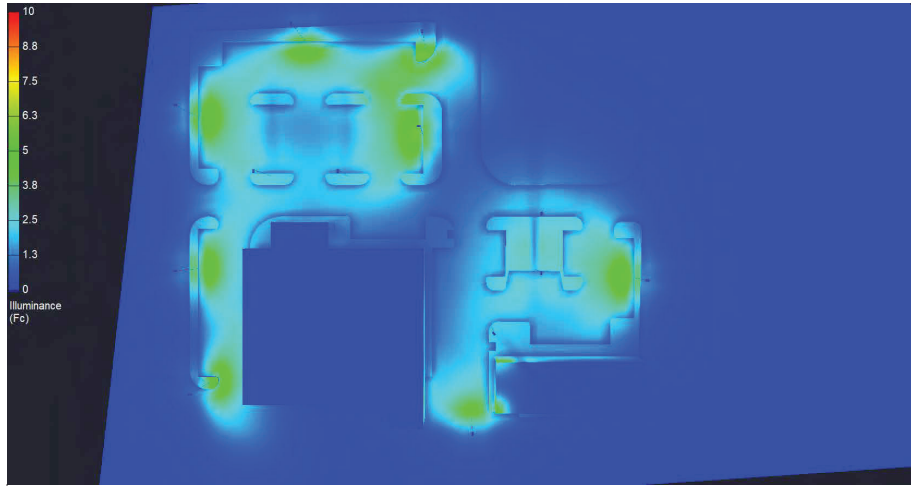
Head Office
400 S. Record St.
Dallas, TX 75202

CLIENT
GROCERY OUTLET
ADDRESS
West Roseville, CA

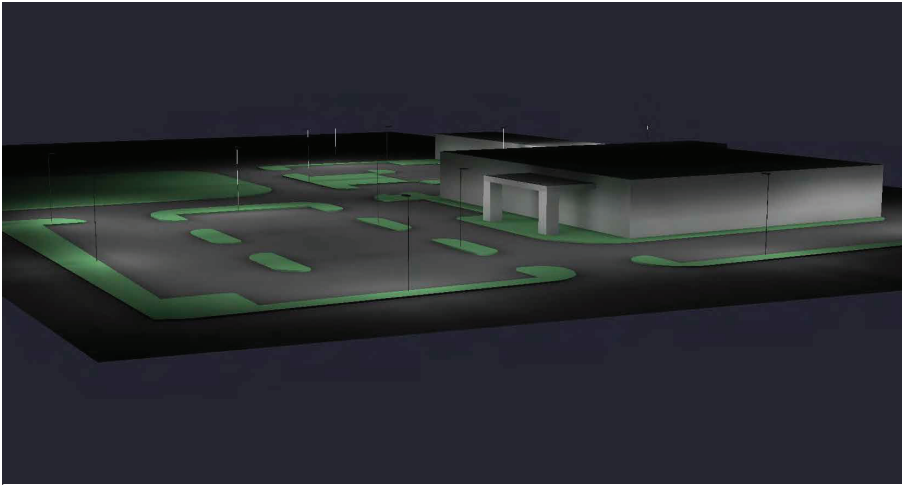
SHEET
Exterior Layout



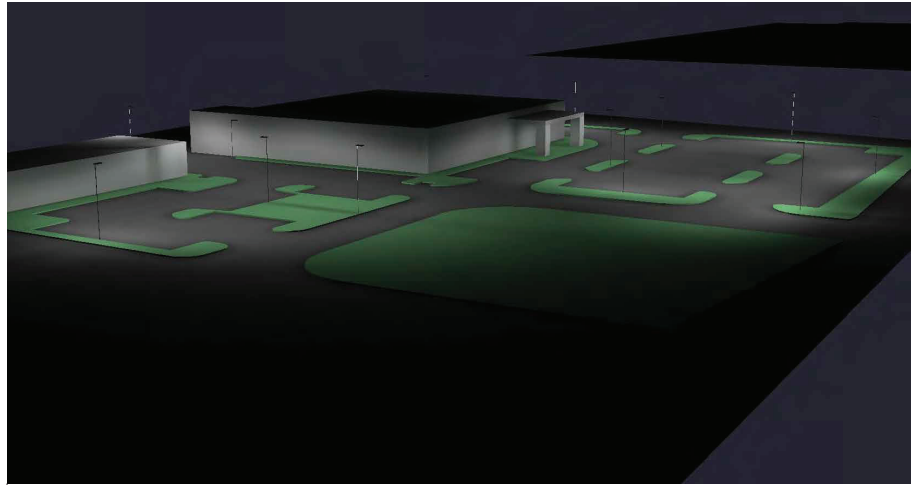
Plan View Grayscale



Plan View Pseudo



Side View



Side View

FIXTURE SCHEDULE

Luminaire Schedule								
Qty	Symbol	Label	Arrangement	Description	Lum. Watts	Total Watts	Lum. Lumens	LLF
1		P2-T3-HS	SINGLE	Area Lighter / Acuity / RSX2 LED P2 40K R3 EGS	114.071	114.071	14792	0.850
5		P2-T5	SINGLE	Area Lighter / Acuity / RSX2 LED P2 40K R5	114.07	570.35	17657	0.850
7		P3-T3-HS	SINGLE	Area Lighter / Acuity / RSX2 LED P3 40K R3 EGS	149.9762	1049.833	18691	0.850

STATISTICAL SUMMARY

LPD Area Summary			
Label	Area	Total Watts	LPD
GO West Roseville	258983	1734.254	0.007

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking Lot	Illuminance	Fc	2.44	6.9	0.5	4.88	13.80

L03

GENERAL STRUCTURAL NOTES

BASE FOR DESIGN

1. BUILDING CODE: CALIFORNIA BUILDING CODE 2019

2. SOIL PARAMETERS:

- ACTIVE PRESSURE: 45 PCF
- SOIL WEIGHT: 120 PCF
- SOIL BEARING CAPACITY: 2500 PSF
- RESILIENT MODULUS: 1000 KSI
- POISSON RATIO: 0.30

RISK DESIGN

1. RISK CATEGORY: I

2. SEISMIC IMPORTANCE FACTOR: 1.0

3. WIND SPEED: 91 MPH

4. WIND EXPOSURE: C

GENERAL REQUIREMENTS

1. THESE REQUIREMENTS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND SKILL. CONTRACTOR IS ADVISED THAT CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AGENCIES.

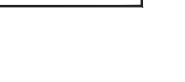
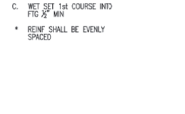
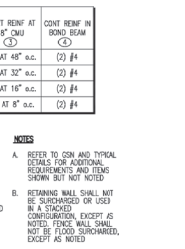
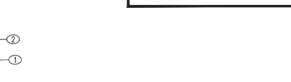
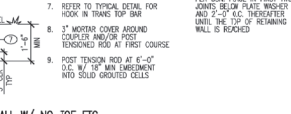
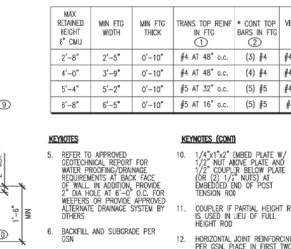
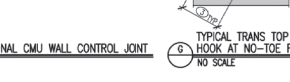
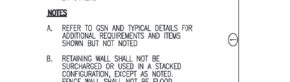
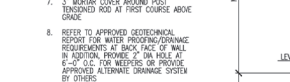
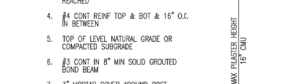
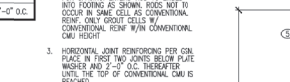
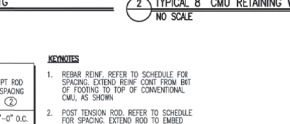
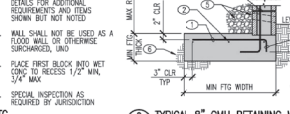
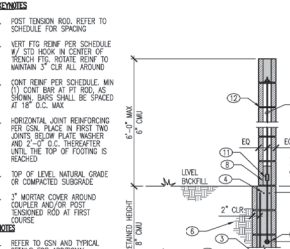
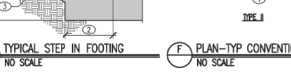
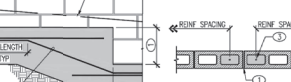
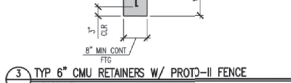
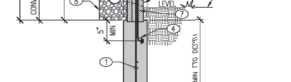
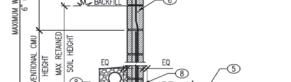
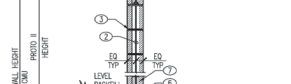
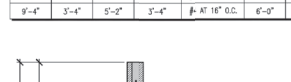
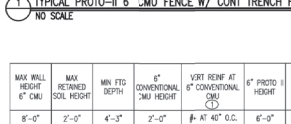
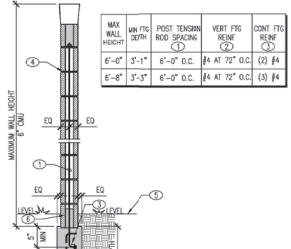
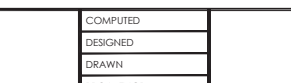
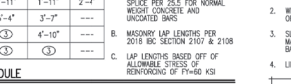
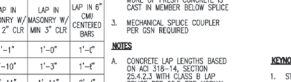
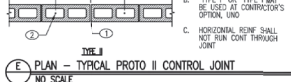
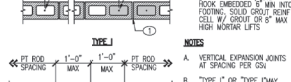
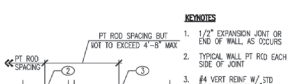
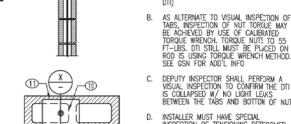
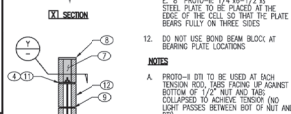
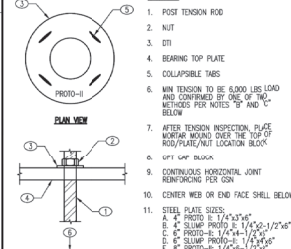
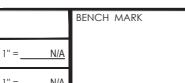
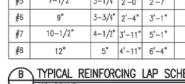
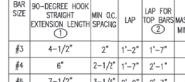
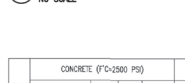
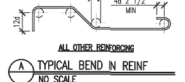
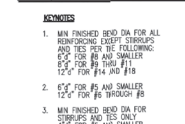
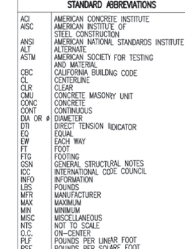
- REINFORCING**
- REINFORCING STEEL SHALL CONFORM TO ASTM A618, WELDABLE REINFORCING STEEL SHALL BE GRADE 60.
 - LATEST AISC DETAILING MANUAL, A318 AND CRSI DESIGN AND CONSTRUCTION REQUIREMENTS SHALL BE USED.
 - REFER TO TYPICAL WALL INTERSECTION DETAIL FOR REINFORCEMENT REQUIREMENTS AT WALL AND FOOTING INTERSECTIONS.
 - REFER TO LAP SCHEDULE FOR MINIMUM O.C. SPACING LAP SPACING IN CONCRETE AND MASONRY AND REINFORCING LAP SCHEDULE FOR MASONRY.
 - REINFORCING STEEL SHALL BE BENT COLD. NO FIELD BENDING OF BARS IS ALLOWED UNLESS APPROVED BY THE ENGINEER.
 - SUPPORT REINFORCEMENT ACCURATELY TO SECURE REINFORCEMENT AGAINST OVERCONCRETE DURING CONCRETE PLACEMENT IN THE FOOTING AND GROUND REINFORCEMENT IN THE CMU.
 - PROMOTE MINIMAL REINFORCING BARS W/ HOOKS UNTO FOOTING PER APPLICABLE DETAIL SECTION IN GROUDED CELLS AT ALL WALL INTERSECTIONS. CORNERS, WALL ENDS, AND EACH SIDE OF CONTROL JOINTS. EXTEND ALL REBAR AS INDICATED PER APPLICABLE DETAIL SECTION.
 - HORIZONTAL REINFORCING SHALL BE 9 GAGE CHANNELS PER 4" O.C. AND EXTENDING TO ASTM A618 REINFORCING ONE FULL CROSS SECTION MINIMUM LAP. ALL REBAR SHALL BE FULLY ENGAGED OR WELDED OR APPROVED EQUIVALENT.

- CONVENTIONAL MASONRY**
- HOLLOW, MEDIUM-WEIGHT, LOAD BEARING CONSTRUCTION CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90. AN MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. ALL BLOCKS SHALL BE PLACED IN RUNNING BOND. MIN UNIT HEIGHT SHALL BE 4" OR GREATER.
 - GROUT SHALL CONFORM TO ASTM C 770. MINIMUM COMPRESSIVE STRENGTH SHALL BE EXCEEDS 3000 PSI BUT NOT LESS THAN 2000 PSI. HOLD DOWN BOLTS SHALL BE PLACED AT 48" O.C. MAXIMUM GROUT JOINTS SHALL BE 12" MAX.
 - MORTAR SHALL CONFORM TO ASTM C 270 & CBC 7203.1.1. ALL MORTAR SHALL BE A MIN OF 4 HOURS OLD PRIOR TO INITIAL TENSIONING.
 - NET AREA REINFORCING CONCRETE SHALL BE (7#) 200 PSI MIN. PER THE UNIT SPACING METHOD.
 - THICKNESS OF BED JOINTS SHALL NOT EXCEED 3/8".
 - REINFORCING STEEL SHALL BE FULLY ENGAGED AND ALL CELLS BELOW GRADE UNO.
 - MASONRY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO REINFORCEMENT, DIRECTOR REINFORCEMENT INSTALLATION AND GROUT PLACEMENT SHALL CONFORM TO CBC SECTION 2104 AND W/C A530.1.
 - DAMP COURSE CMU IN CONTACT W/ SOIL PER SECTION 2104.
 - TONGUE & GROOVE CMU MAY BE USED AT FENCE WALLS.
 - VERTICAL CONTROL JOINTS TO BE PLACED AT 20'-0" PER TYP. DETAIL.

- PROTO-II**
- PROTO II HARDWARE IS DEFINED AS TENSION BOLDS, BEARING PLATES, ANCHORS, AND WELDED STEEL PLATE ANCHORS. ALL OF THE HARDWARE SHALL BE PLACED IN AN APPROVED DETAIL SECTION. ALL HARDWARE SHALL BE 1/2" THICK UNLESS OTHERWISE NOTED. ALL HARDWARE SHALL BE FULLY ENGAGED AS SHOWN IN THE DETAIL SECTION. ALL HARDWARE SHALL BE FULLY ENGAGED AS SHOWN IN THE DETAIL SECTION.
 - FOUNDATION INSPECTION PRIOR TO PLACEMENT OF CONCRETE INCLUDES FOOTING SIZE, LOCATION AT GRADE, AND SIZE/DEPTH AND CLEANLINESS OF FOUNDATION. ADDITIONAL SPECIAL INSPECTION AS REQUIRED BY JURISDICTION.
 - FOOTING SHALL BE LEVEL. STEP FOOTING, AS REQUIRED, BEING OVERLAP. HEIGHT OF STEP SHALL BE EQUAL TO HEIGHT OF CMU COURSE.

- REINFORCING**
- MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE (C) SHALL BE 2000 PSI UNLESS OTHERWISE NOTED. ALL REINFORCING SHALL BE FULLY ENGAGED AS SHOWN IN THE DETAIL SECTION.
 - MAXIMUM SLUMP SHALL BE 3 INCHES. WATER SHALL BE CLEAN AND POTABLE.
 - USE TYPE I PORTLAND CEMENT, AS REQUIRED BY CONTRACTOR, OR SOLID CEMENT.
 - A MAXIMUM OF 90 MINUTES MAY ELAPSE BETWEEN CONCRETE AND/OR GROUT Batching AND FIELD PLACEMENT.
 - CONCRETE QUALITY, MIXING, WEATHER PROTECTION AND PLACING SHALL CONFORM TO CBC SECTION 1904.

- BACKFILL**
- BACKFILL MATERIAL AND PLACEMENT SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER OR CBC SECTION 1904 IF GEOTECHNICAL REPORT NOT SUBMITTED.
 - BACKFILL SHALL NOT BE PLACED AGAINST WALLS BELOW GRADE OR AT/OP FOUNDATIONS UNLESS GROUT AND CONCRETE HAVE REACHED DESIGN STRENGTH.
 - REINFORCING WALL SYSTEM IS NOT DESIGNED TO WITHSTAND HYDROSTATIC PRESSURE. DRAINAGE SYSTEM SHALL NOT BE PROVIDED TO PREVENT BUILD UP OF HYDROSTATIC PRESSURE. IN ADDITION, DRAINAGE SYSTEM SHALL NOT INTERFERE WITH THE INTEGRITY OF THE RETAINING SYSTEM.



REVISIONS

NO.	DESCRIPTION	APPROVED	DATE	APPROVED	DATE

SCALE:

HORIZ. 1" = N/A

VERT. 1" = N/A

COMPUTED

DESIGNED

DRAWN

PROJ. ENGR.



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PRELIMINARY PLAN FOR
GROCERY OUTLET
 1751 PLEASANT GROVE BOULEVARD
 PROTO-II WALL SYSTEMS REFERENCE
 ROSELVILLE, CALIFORNIA

DATE: MARCH 23, 2023

SHEET: 1

OF: 1

JOB NO.: 20-0011-00

ENR CW# NOT FOR CONSTRUCTION 1/2" CMU BENCH MARK

ELECTRICAL SPECIFICATIONS:

REVISED: 2023-02-21

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT CALIFORNIA ELECTRICAL CODE, PLUS ALL AUTHORITIES HAVING JURISDICTION INCLUDING APPLICABLE FEDERAL, STATE AND LOCAL CODES, STANDARDS, ORDINANCES, RULES AND REGULATIONS.

2. FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, STORAGE, FACILITIES AND TEMPORARY CONSTRUCTION NECESSARY FOR COMPLETE AND OPERATING NEW, MODIFIED SYSTEMS, AND MAINTAIN SERVICES TO EXISTING SYSTEMS.

3. DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL EXTENT AND ARRANGEMENT OF THE WORK REQUIRED WHICH SHALL BE FOLLOWED AS CLOSELY AS THE ACTUAL CONSTRUCTION SITE CONDITIONS AND WORK OF THE OTHER TRADES WILL PERMIT.

4. UNLESS INSTRUCTED OTHERWISE, THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, LICENSES, FEES, PLAN REVISIONS AND INSPECTIONS IN CONNECTION WITH THIS WORK.

5. BEFORE PROCURING ANY MATERIALS OR STARTING ANY WORK, THE CONTRACTOR SHALL EXAMINE THE COMPLETE SET OF DRAWINGS FOR ALL TRADES, AND VERIFY ALL DIMENSIONS, SPACE REQUIREMENTS AND POINTS OF CONNECTION, MAKE ALL ADJUSTMENTS NECESSARY TO AVOID CONFLICT WITH THE BUILDING OR STRUCTURE AND THE WORK OF OTHER TRADES, AS REQUIRED TO ACHIEVE THE ARRANGEMENT INDICATED ON THE DRAWINGS, BEFORE PROCURING ANY MATERIALS OR STARTING ANY WORK. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH SITE CONDITIONS.

6. PROVIDE ELECTRICAL SUBMITTALS AND SHOP DRAWINGS FOR ALL SYSTEMS FOR REVIEW AND APPROVAL. ELECTRIC TO PROCEEDMENT. ALL SUBMITTALS MUST BE REVIEWED AND APPROVED BY THE GENERAL CONTRACTOR AS CONFORMING TO CONTRACT REQUIREMENTS. SUBMITTALS THAT ARE NOT APPROVED AND ISSUED BY THE CLIENT ARE RETURNED UNREVIEWED. SUBMITTALS THAT INCLUDE SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, CONDUITS, CONDUCTORS, FITTINGS, COMPONENTS, PULLBOXES, DEVICES, LIGHTING FIXTURES, POLES AND POLE BUSES, LIGHTING CONTROL DEVICES AND EQUIPMENT AND ENCLOSURES. SUBSTITUTIONS TO SPECIFIED EQUIPMENT SHALL BE CONFIRMED PRIOR TO SUBMITTAL AND CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED COSTS INCLUDING POSSIBLE IMPACT ON SCHEDULE.

7. IF ANY EQUIPMENT SUBMITTED BY THE CONTRACTOR IS DIFFERENT FROM THAT SPECIFIED, OR REQUIRES CHANGES IN MATERIAL OR LABOR FROM THAT REQUIRED IN THE CONTRACT DOCUMENTS AFFECTING THIS AND/OR OTHER TRADES, SUCH CHANGES SHALL BE SUBMITTED AS SHOP DRAWINGS. SUBMITTAL SHALL INDICATE CREDIT DUE TO OWNER IF ANY, BECAUSE OF THE CHANGES.

8. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PAYMENT OF ALL FEES ARISING FROM ADDITIONS OR CHANGES IN THE WORK OF OTHER TRADES NECESSARY TO ACCOMMODATE THE REQUESTED MODIFICATION. ALL CHANGES SHALL BE SHOWN IN RED AND NORMALLY OPEN, NOT TO SCALE.

9. ARRANGE ALL EQUIPMENT SUBSTANTIALLY AS SHOWN ON THE DRAWINGS. MAKE DEVIATIONS WHERE NECESSARY TO AVOID INTERFERENCE. REWORK EXISTING WIRING, EQUIPMENT AND DEVICES WHERE REQUIRED. REPAIRS AND DEVIATIONS MUST BE SHOWN IN RED TO RECORD CONSTRUCTION PROGRESS AND DEVIATIONS FROM DRAWINGS. PROVIDE PDF SCAN OF CLEARLY MARKED CONSTRUCTION RECORD DRAWINGS AS PART OF CLOSEOUT DOCUMENTATION.

10. FEEDERS AND BRANCH CIRCUIT CONDUITS SHALL BE IDENTIFIED AT LOCATION ABOVE THE PANELBOARD AND AT EACH JUNCTION BOX, DEVICE, RECEPTACLE AND LIGHTING FIXTURE. ADDITIONALLY, WIRE IDENTIFICATION AND CIRCUIT NUMBERING SHALL BE MADE AT THE CONNECTION AND JUNCTION BOX LOCATION. CONDUIT, BOX AND WIRE LABELS SHALL BE SELF-ADHESIVE AS BRADY, 3M OR APPROVED EQUAL. EQUIPMENT LABELS SHALL BE 2" X 1/4" STALLOLED ACRYLIC LETTERS. GLOSSY SURFACE COSES WITH 1/4" X 1/4" OR 1" LETTERS AS SHOWN ON APPROVED SUBMITTALS. COMPLY WITH ANS I 31.1, ANSI Z39.4, NFPA 70 AND NFPA 72E.

11. MATERIALS AND EQUIPMENT SHALL BE NEW CURRENT MODELS AND BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

12. CONDUITS INSTALLED EXPOSED TO DAMAGE UP TO 4 FEET ABOVE FINISHED GRADE OR FLOOR SHALL BE RIGID GALVANIZED STEEL. CONDUIT BELOW GRADE AND THEREAFTER INSTALLED IN CONCRETE SHALL BE RIGID GALVANIZED STEEL WITH 2 LAYERS OF 10MIL PVC TAPE. CONDUIT BELOW GRADE SHALL BE PVC SCHEDULE 40. OTHER CONDUITS WHERE PERMITTED SHALL BE ELECTRICAL METALLIC TUBING WITH COMPRESSION FITTINGS AND 2-HOLE CLAMPS. FLEXIBLE CONDUITS SHALL BE FLEXIBLE METALLIC TUBING WHEN INSTALLED INDOORS IN PROTECTED LOCATIONS OR SHALL BE SEA-TITE OR APPROVED EQUAL. MINIMUM CONDUIT SIZES ARE 1/2" ABOVE GRADE AND 1" BELOW GRADE. CONDUITS SHALL BE INSTALLED IN TRENCHES NOT LESS THAN 2" BELOW TOP OF GRADE PER NEC TABLE 300.5.

13. CONDUIT SLEEVES SHALL BE GRAY PVC MINIMUM SCHEDULE 40 COORDINATED WITH OTHER TRADES AND INSTALLED PER CIVIL DRAWINGS. DO NOT USE WHITE PVC FOR ELECTRICAL SLEEVES. PROVIDE ADDITIONAL UNDERGROUND PULLBOXES WHERE REQUIRED DUE TO SLEEVE ELEVATIONS.

14. CONDUCTORS SHALL BE SOFT DRAWN ANNEALED COPPER WIRE WITH THIN INSULATION EXCEPT WHEN EXPOSED TO HIGH AMBIENT TEMPERATURES SUCH AS OUTDOORS SHALL BE 90% WIRING FOR VFD LOADS SUCH AS IRRIGATION BOOSTER PUMPS SHALL BE 90% WIRING OR OTHER VFD RATED INSULATION. UNDERGROUND SLEEVING OF WIRING IS TO BE USED WHERE POSSIBLE.

15. UNDERGROUND CONDUITORS SHALL BE WATER-TIGHT USING 3M OR APPROVED EQUAL. RATED CONDUCTORS MAY BE ALUMINUM WHEN APPROVED IN SUBMITTALS AND SHOWN ON DRAWINGS.

16. UNDERGROUND PULL BOXES SHALL BE OF SIZE AND TYPE REQUIRED BY AHJ INCLUDING CONCRETE FILLED. OTHERWISE LID SHALL BE TAMPERPROOF TYPE, AND MINIMUM BOX SIZE IS TO BE AS NOTED. HOWEVER, MINIMUM DIMENSIONS IF REQUIRED TO BE MET SHALL BE 18" X 18" X 18" FOR TRAFFIC AREAS. PULLBOXES TO BE TRAFFIC RATED IF REQUIRED, AND AS MANUFACTURED BY CHRISTY, JENSEN, OULCASTLE OR APPROVED EQUAL. PROVIDE ADDITIONAL PULLBOXES WHERE ROADWAY AND OTHER OBSTACLE IS SLEEVING IS PROVIDED FOR ELECTRICAL USE, BUT ALIGNED DUE TO EXISTING SLEEVING LOCATION AND/OR DEPTH. LOCATE UNDERGROUND PULLBOXES A MINIMUM OF 6" FROM PEDESTRIAN PATHWAYS AND DRIVEWAYS, UNLESS NOTED OR DIRECTED OTHERWISE.

17. NOT USED: METERED AND UNMETERED POWER PEDESTALS SHALL BE PER AHJ REQUIREMENTS AND SHALL BE AS MANUFACTURED BY TESCO CONTROLS OR APPROVED EQUAL. ALL BRANCH CIRCUIT SPACES ARE TO BE PREPARED FOR USE WITHOUT LEADFOOT OR OTHER MODIFICATION. PROVIDE BLANKS FOR UNUSED SPACES.

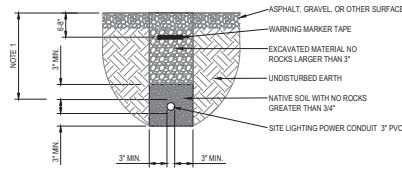
18. LIGHTING FIXTURES SHALL BE AS NOTED ON DRAWINGS AND LIGHTING VENDOR WHO DOES NOT KNOW EXACT DETAILS UNTIL THEIR FINAL MANUFACTURE AND CONTROL COORDINATION. FIXTURE SELECTION AND PLACEMENT IS OFTEN BASED ON PHOTOMETRIC NOT SHOWN ON DRAWINGS. SUBSTITUTIONS SHALL BE REQUESTED IN ADVANCE OF BEING SUBMITTED. CONTRACTOR IS RESPONSIBLE FOR ENGAGING LIGHTING VENDOR TO INSURE THAT LIGHTING FIXTURE PACKAGE(S) INCLUDES ALL NECESSARY OPTIONS, CONTROLS AND PARTS. LIGHTING ENERGY COMPLIANCE FREQUENTLY HAS PUBLIC WORKS EXEMPTIONS THAT RESULT IN LIGHTING ENERGY DOCUMENTATION ON DRAWINGS NOT BEING REQUIRED BY THE AHJ. THIS DOES NOT PRECLUDE REQUIREMENTS FOR EXAMPLE ASTRONOMIC THEOLOGICALS AND PHOTOCLOCKS.

19. PROVIDE ALL ENVIRONMENTAL CLEANUP AND DISPOSAL PERFORMED AS A PART OF THIS CONTRACT IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS, LAWS, AND STATUTES OF ALL AGENCIES HAVING JURISDICTION.

20. SUBMIT FOR APPROVAL CLOSE OUT DOCUMENTS TO INCLUDE CONSTRUCTION RECORD RED MARKED DRAWINGS, TEST & INSPECTION RESULTS, SHOP DRAWINGS, PRODUCT DATA, OPERATION AND MAINTENANCE MANUALS, GUARANTEES, WARRANTIES AND CERTIFICATES. PLUS, AS APPLICABLE INCLUDE CONSTRUCTION PROGRESS PHOTOS, RFI#, CORRESPONDENCE AND MEETING MINUTES.

21. THESE DRAWINGS ARE SUBJECT TO REVIEW AND APPROVAL BY THE AUTHORITIES HAVING JURISDICTION.

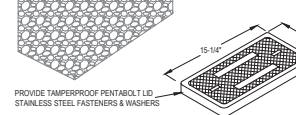
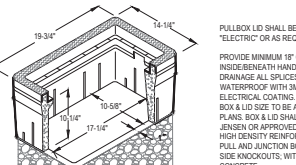
22. AHJ REQUIRED NOTE: ALL LINE-VOLTAGE ELECTRICAL WORK REQUIRES A BUILDING PERMIT ASSOCIATED WITH IT, TO BE INCLUDED WITHIN THIS SCOPE OF WORK.



NOTES:

- MINIMUM BURIAL DEPTH SHALL BE 24" OF COVER AND NOT LESS THAN NEC TABLE 300.5.
- PROVIDE ADDITIONAL MARKER TAPE FOR DUCTBANKS GREATER THAN 24" WIDE.
- MAINTAIN 1" SEPARATION BETWEEN UNDERGROUND POWER CONDUITS FOR CONDUIT POWER CONDUIT COOLING & FOR EARTH COMPACTION.
- MAINTAIN 12" SEPARATION BETWEEN PARALLEL (NOT CROSSING) POWER AND COMMUNICATIONS CONDUITS TO REDUCE EMI/INTERFERENCE PER EA 17A STANDARDS, FOR FUTURE ACCESS TO UTILITIES.
- MAINTAIN 12" SEPARATION BETWEEN PARALLEL (NOT CROSSING) POWER AND OTHER UTILITIES, FOR FUTURE ACCESS TO UTILITIES.
- BACKFILL & BEDDING TO BE TO 95% COMPACTION.

2 UNDERGROUND CONDUIT DETAIL



1 PULL BOX



SITE LIGHTING SCOPE OF WORK

- NEW PARKING LOT LIGHTING POLES & LUMINAIRES, ALL SITE POLE MOUNTED LIGHTING TO BE POWERED AND CONTROLLED FROM GROCERY OUTLET BUILDING CONDUIT, BOXES AND WIRING FROM BUILDING TO LIGHT POLES IS PART OF THIS PERMIT.
- COORDINATION OF NEW GROCERY OUTLET BUILDING MOUNTED AREA LIGHT FIXTURES, TO BE POWERED AND CONTROLLED FROM GROCERY OUTLET BUILDING. SEE BUILDING CONSTRUCTION PERMIT FOR ADDITIONAL INFORMATION INCLUDING PANELBOARD CIRCUIT NUMBERS AND LOADS.
- COORDINATION OF NEW SHOPS BUILDING MOUNTED AREA LIGHT FIXTURES, TO BE POWERED AND CONTROLLED FROM SHOPS BUILDING. SEE BUILDING CONSTRUCTION PERMIT FOR ADDITIONAL INFORMATION INCLUDING PANELBOARD CIRCUIT NUMBERS AND LOADS.
- WORK ON AND INSIDE BUILDINGS IS COVERED UNDER SEPARATE PERMITS. SEE RESPECTIVE PERMIT DRAWINGS FOR LIGHTING POWER FEEDS. SEE SHEET E4 OVERALL SITE LIGHTING (PARKING LOT POLES & LUMINAIRES AND BUILDING MOUNTED FIXTURES) FOR LIGHTING ENERGY COMPLIANCE AND REQUIREMENTS.

ELECTRICAL SHEET INDEX

E0	SITE LIGHTING COVER SHEET
E1	SITE LIGHTING PLAN
E2	SITE PHOTOMETRIC PLAN
E3.1	GROCERY OUTLET LIGHTING FIXTURES
E3.2	SHOPS LIGHTING FIXTURES
E3.3	CEC REQUIRED LIGHTING CONTROLS
E4	CEC LIGHTING ENERGY COMPLIANCE

-A-	AMPERE	LCP	LIGHTING CONTROL PANEL
A	AMP FUSE RATING	LTG	LIGHTING
AF/AFG	ABOVE FINISHED FLOOR/GRADE	LRA	LOCKED ROTOR AMPS
AIC	AMPERE INTERRUPTING CAPACITY	MAX	MAXIMUM
AL	ALUMINUM	MCB	MAIN CIRCUIT BREAKER
AM	AMMETER	MCM	THOUSAND CIRCULAR MILS
AWG	AMERICAN WIRE GAUGE	MECH	MECHANICAL
BLDG	BUILDING	MH	MANHOLE
C	CONDUIT	MM	MINIMUM
CAB	DEGREE CELSIUS	MTD	MOUNTED
CB	CABINET	MTG	MOUNTING
CBT	CIRCUIT BREAKER	NEUT	NEUTRAL
CK	CIRCUIT	NC	NORMALLY CLOSED
CL	CENTER LINE	NO	NON-FUSED
CTRL	CONTROL	NIC	NOT IN CONTRACT
CO	CONDUIT ONLY	NO	NORMALLY OPEN
COMM	COMMUNICATION	NTS	NOT TO SCALE
CONT	CONTINUATION	OC	ON CENTER
CT	CURRENT TRANSFORMER	OD	OUTSIDE DIAMETER
CU	COPPER	-P-	POLE
DC	DEDICATED OUTLET	P	PULL BOX
DA	DIAMETER	PH	PHASE
DISC	DISCONNECT	PNL	PANEL
DN	DOWN	PWR	POWER
DP	DISTRIBUTION PANELBOARD	-R-	RECEPT
DWG	DRAWING	REC	REQUIRED
EA	EACH	RLA	RATED LOAD AMPS
EAC	ELECTRICAL CLOSET	RM	ROOM
ELEV	ELEVATION	-S-	SCHEDULE
ELEC	ELECTRICAL	SC	SEPARATE CIRCUIT
EM	EMERGENCY	SECT	SECTION
EQ	EQUIPMENT	SN	SOLID NEUTRAL
EX (E)	EXISTING	SCW	SCOPE OF WORK
EXT	EXTERIOR	SP	SERVICE PEDESTAL
F	DEGREE FAHRENHEIT	SPEC	SPECIFICATION
FA	FIRE ALARM	SWGR	SWITCHBOARD
FDR	FEDDER	SWG	SWITCHGEAR
FL	FULL LOAD AMPS	SYM	SYMMETRICAL
FLA	FULL LOAD AMPS	SYS	SYSTEMS
FLN	PANEL	TBC	TO BE CONFIRMED
FTA	FEET OR FOOT	TEMP	TEMPERATURE
FVR	FULL VOLTAGE NON-REVERSING	TYP	TYPICAL
G	GROUND	UF	UNFUSED
GFI	GROUND FAULT INTERRUPTING	UN	UNLESS NOTED OTHERWISE
H	HAND HOLE	VA	VOLT AMPERE
HP	HORSEPOWER	VA	VOLT OR VOLTAGE
HV	HIGH VOLTAGE	VFD	VARIABLE FREQUENCY DRIVE
HZ	HERTZ	VM	VOLTIETER
I	IRIGATION CONTROLLER	VP	VARPROOF
ID	INSIDE DIAMETER	-W-	WATT
IG	ISOLATED GROUND	WC	WATER COOLER
J	JUNCTION BOX	WF	WATER FLOW SWITCH
K	THOUSAND CIRCULAR MILS	WHM	WATT HOUR METER
KV	KILOVOLT	WP	WEATHERPROOF
KVA	KILOVOLT AMPERE	WT	WATER TIGHT
KW	KILOWATT	-X-	XP EP EXPLOSION PROOF
KWH	KILOWATT HOUR	-48"	MOUNTING HEIGHT TO CENTER OF DEVICE FROM FINISHED FLOOR OR ROAD AT THE TOP OF THE CURB WITHIN THE BUS TURNOUT IN FRONT OF THE BUS SHELTER PAD.
KWMH	KILOWATT HOUR METER		

ABBREVIATIONS

SCALE:	BENCH MARK	CITY B.M. 125
HORIZ. 1" = 30'	ELEV=126.60 (NAVD 88)	COMPUTED
VERT. 1" = N/A	3" Ø BRASS DISK STAMPED 2019 PLS 8278, LOCATED ON THE SOUTH SIDE OF PLEASANT GROVE BLVD, APPROX 300 FEET EAST OF THE CENTERLINE OF FIDMONT ROAD AT THE TOP OF THE CURB WITHIN THE BUS TURNOUT IN FRONT OF THE BUS SHELTER PAD.	DESIGNED JDT
		DRAWN JC
		PROJ. ENGR. JDT

NO.	DESCRIPTION	APPRO. ENGR.	DATE	DATE

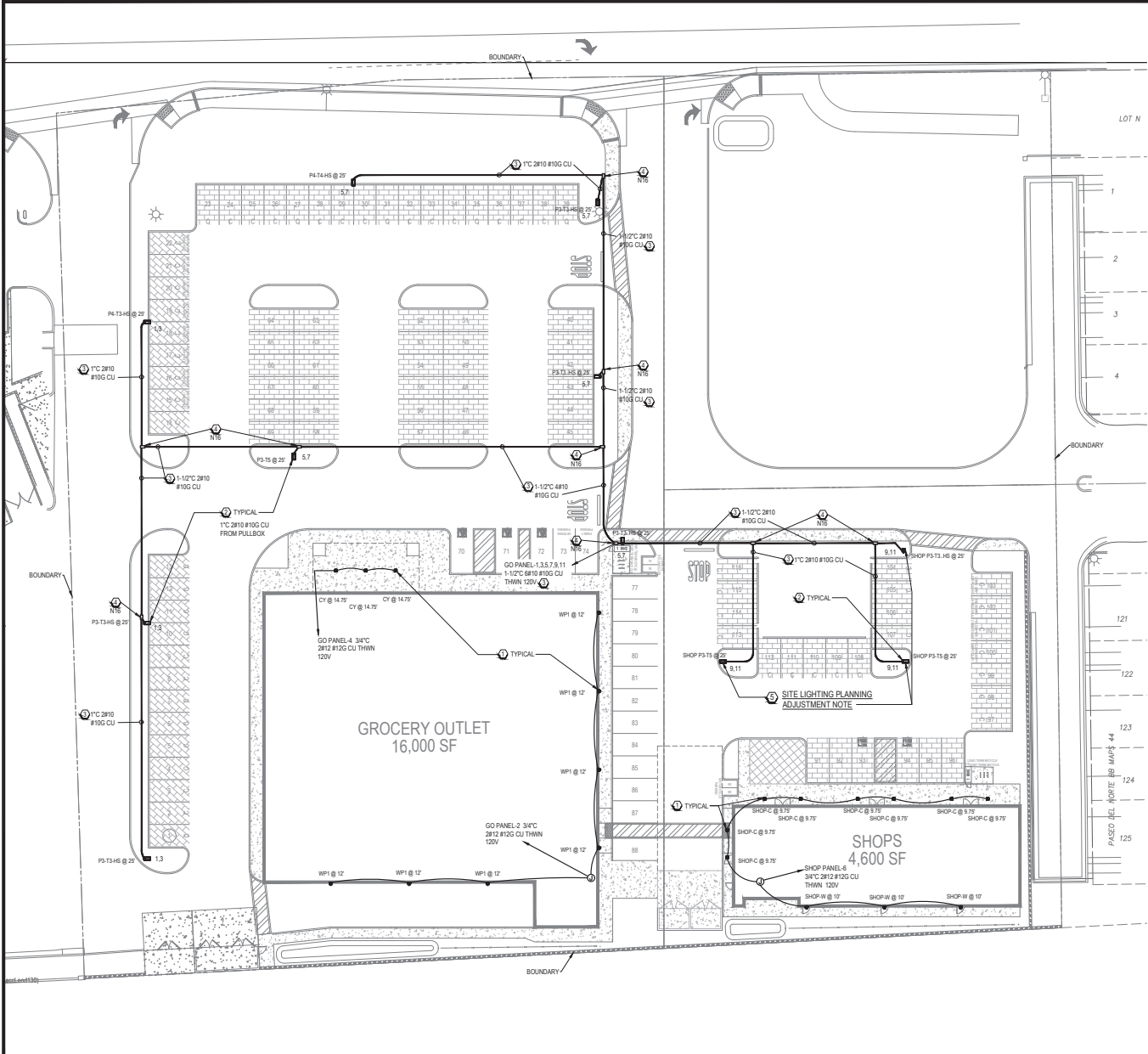
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DESIGNED	JDT
DRAWN	JC
PROJ. ENGR.	JDT

DATE	MAR 23, 2023
SHEET	E0
OF	7

CES ENGINEERING, INC.
 916.905.4477 www.conwayengineering.com
 13420 Mesa Drive Grass Valley California 95949 USA

ON-SITE IMPROVEMENT PLANS FOR
GROCERY OUTLET
 SITE LIGHTING COVER SHEET
 1751 PLEASANT GROVE BOULEVARD
 ROSEVILLE, CALIFORNIA

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
 No. 57227
 State of California



V-DROP SCHED. PANEL
 PANEL PROVIDED UNDER SEPARATE PERMIT

										Main Breaker: NA		Lugs: NA	
										Feeder Size: NA		Entry: NA	
										Mounting: NA		Bus: NA	
										AIC Rating: NA			
Voltage: 120 208 1 Phase										NA Wire			
Location: BUILDING													
DESCRIPTION	CKT	BKR	P	LTS	REC	MISC	A-A VA	B-A VA	EST CKT LENGTH	WIRE GAUGE	% VOLT DROP	AMPS	
LIGHTING POLES GO WEST	1	20	2	3			245	245	700	#10	1.46%	2.0	
	3											2.0	
LIGHTING POLES GO NORTH	5	20	2	5			305	305	550	#10	1.84%	3.3	
	7											3.3	
LIGHTING POLES GO EAST	9	20	2	3			225	225	365	#10	0.86%	1.9	
	11											1.9	
WALL PACKS GO EAST & SOUTH	CKT	BKR	P	LTS	REC	MISC	A-A VA	B-A VA	EST CKT LENGTH	WIRE GAUGE	% VOLT DROP	AMPS	
CANOPY GO NORTH	2	20	1	7			245	245	275	#12	1.77%	2.0	
	4	20	1	3				81	200	#12	0.42%	0.7	
WALL PACKS & CANOPY SHOPS	8	20	1	11			315	315	200	#12	1.67%	2.8	
	10											0.0	
	12											0.0	
Subtotal							550	81					
Total Connected VA:							2,371						
Total Connected AMPS:							11						
25% of Long Continuous Load:							377						
Less 50% +10kVA of 180VA Receptacles:							0						
Total Calculated VA:							2,748						
Total Calculated AMPS:							13						

CONDUCTOR LENGTHS ARE BASED ON MAXIMUM PRACTICAL LENGTH. ACTUAL LENGTHS MAY BE LESS.

SITE LIGHTING GENERAL NOTES:

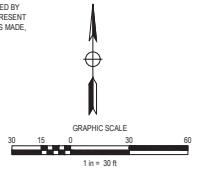
- FOR GROCERY OUTLET BUILDING EQUIPMENT IS SUBJECT TO REVIEW AND APPROVAL BY GROCERY OUTLET INTERIOR AND EXTERIOR LIGHTING DESIGNER. CITY ELECTRIC SUPPLY (DAN WILKIN 861-310-3000/DAN.WILKIN@CITYELECTRICSUPPLY.COM)
- FOR SHOPS BUILDING EQUIPMENT IS SUBJECT TO REVIEW AND APPROVAL BY SHOPS INTERIOR AND EXTERIOR LIGHTING DESIGNER. SACRAMENTO ENGINEERING CONSULTANTS PHILIP BEARANO PHIL@SACENG.COM CELL: (916) 267-5754

SITE LIGHTING REFERENCE NOTES:

- NEW BUILDING MOUNTED LIGHTING FIXTURE. SEE SHEETS E2 & E3-SERIES FOR DETAILS
- NEW PARKING LOT POLE LUMINAIRE AND 25FT POLE WITH CONCRETE BASE. SEE SHEETS E2 & E3-SERIES FOR DETAILS.
- UNDERGROUND CONDUIT AND WIRE. GRAY PVC SCHED 40, WITH WIRING INDICATED. SEE SCHEDULE THIS SHEET FOR VOLTAGE DROP. SEE DETAIL 2E0.
- UNDERGROUND PULLBOX WITH TAMPER RESISTANT PENTABOLT FASTENERS. CHRISTY OR EQUIVALENT BY JENSEN OR OLDCASTLE. SIZE AS NOTED ON PLANS OR AMENDED HEREIN. SEE DETAIL 1E0:
 B017: CALTRANS/NOT #5-12 10"x17" N6
 12"x22" N16
 B1730: CALTRANS/NOT #6 15"x24" N30
 17"x30" N36
 LABEL LED "ELECTRIC" OR AS REQUIRED BY AHJ. SEE DETAIL E10.
 IF ANGLE FULL DIMENSIONS EXCEED NEC 314.28 PROVIDE LARGER PULLBOX.
 DASHED LINES TO PULLBOXES REPRESENT UNDERGROUND PVC SCHEDULE 40 CONDUIT - MINIMUM 1" EXCEPT UNLESS NOTED OTHERWISE.

SITE LIGHTING PLANNING ADJUSTMENT NOTE:

- THE HEIGHT OF THE (2) LIGHT POLES NORTH OF SHOPS BUILDING, REFERENCED BY THIS NOTE, AND SHOWN AS 25FT, SHALL BE REDUCED TO 15FT IN ORDER TO PRESENT A LOWER PROFILE TO THE EASTERN RESIDENCES. WHEN THIS ADJUSTMENT IS MADE, LUMINAIRE WATTAGES SHALL ALSO BE REDUCED ACCORDINGLY.



NO.	DESCRIPTION	APPROVED DATE	DATE

SCALE: HORIZ. 1" = 30' VERT. 1" = N/A

BENCH MARK CITY B.M. 125 ELEV.=126.60 (NAVD 88)
 3" BENCH MARK STAMPED 2019 PLS 8278, LOCATED ON THE SOUTH SIDE OF PLEASANT GROVE BLVD, APPROX. 300 FEET EAST OF THE CENTERLINE OF FIDMOUNT ROAD AT THE TOP OF THE CURB WITHIN THE BUS TURNOUT IN FRONT OF THE BUS SHELTER PAD.

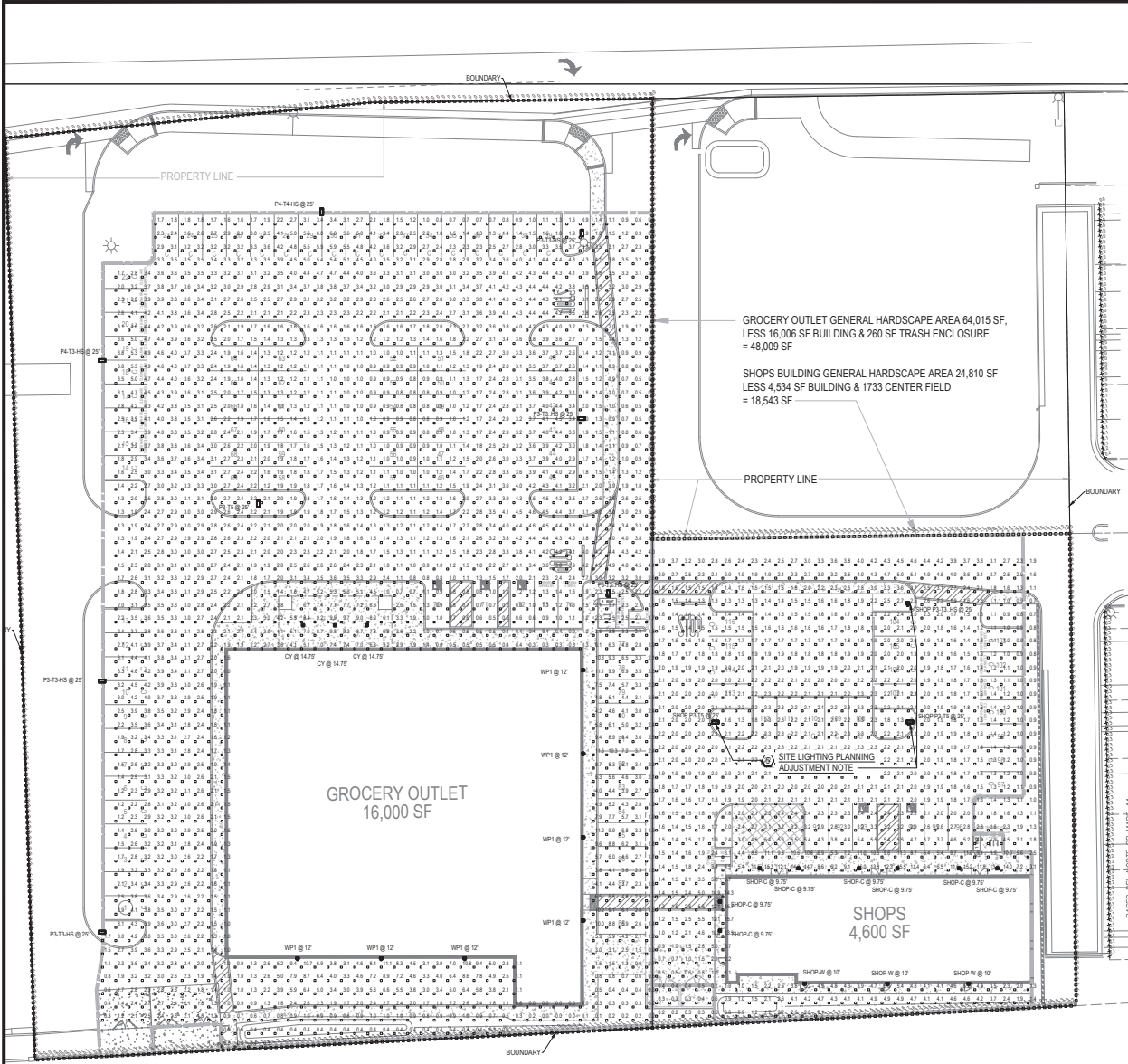
COMPUTED	-
DESIGNED	JDT
DRAWN	RC
PROJ. ENGR.	JDT

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ON-SITE IMPROVEMENT PLANS FOR
GROCERY OUTLET
 SITE LIGHTING PLAN
 1751 PLEASANT GROVE BOULEVARD
 ROSELIE, CALIFORNIA



DATE	MAR 23, 2023
SHEET	E1
OF	7



Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number	Lamp	LLF	Foot	Polar Plot
				ELITE				3587	0.9	28.5173	
□	CY		3								
□	P3-T3..HS		2	Lithonia Lighting	RSX2 LED P3 40K-R3-HS	RX2 LED Area Luminaire Size 2 P3 Luminaire Package 4000K CCT Type RS Distribution with HS shield. *House shield is required, to reduce B1-UG-G4 to B1-UG-G3.	1	15256	0.85	149.98	
□	P3-T3-HS		3	Lithonia Lighting	RSX2 LED P3 40K-R3-HS	RX2 LED Area Luminaire Size 2 P3 Luminaire Package 4000K CCT Type RS Distribution with HS shield. *House shield is required, to reduce B1-UG-G4 to B1-UG-G3.	1	15256	0.85	149.98	
□	P3-T5		1	Lithonia Lighting	RSX2 LED P3 40K-RS	RX2 Area Fixture Size 3 P3 Luminaire Package 4000K CCT Type RS Distribution B5-UG-G3	1	22316	0.85	149.98	
□	P4-T3-HS		1	Lithonia Lighting	RSX2 LED P4 40K-R3-HS	RX2 LED Area Luminaire Size 2 P4 Luminaire Package 4000K CCT Type RS Distribution with HS shield. B1-UG-G3	1	17548	0.85	189.54	
□	P4-T4-HS		1	Lithonia Lighting	RSX2 LED P4 40K-R4-HS	RX2 LED Area Luminaire Size 2 P4 Luminaire Package 4000K CCT Type RS Distribution with HS shield. B2-UG-G3	1	19647	0.85	189.54	
□	WP1		7	Lithonia Lighting	W02E2 LED WITH P4 40K-R3CR-VV	W02E2 LED WITH P4 - PERFORMANCE PACKAGE - 4000K - R3CR - VISUAL COMFORT (W02E2 OPTIC: B1-UG-G1, 90CRI version in B1-UG-G2)(4200K)	1	4528	0.9	34.96	
□	SHOP P3-T3..HS		1	Lithonia Lighting	RSX2 LED P3 40K-R3-HS	RX2 LED Area Luminaire Size 2 P3 Luminaire Package 4000K CCT Type RS Distribution with HS shield. *House shield is required, to reduce B1-UG-G4 to B1-UG-G3.	1	15256	0.85	149.98	
□	SHOP P3-T3-HS		0	Lithonia Lighting	RSX2 LED P3 40K-RS	RX2 Area Fixture Size 2 P3 Luminaire Package 4000K CCT Type RS Distribution B1-UG-G3	1	21706	0.85	149.98	
□	SHOP P3-T5		2	Lithonia Lighting	RSX2 LED P3 40K-RS	RX2 Area Fixture Size 2 P3 Luminaire Package 4000K CCT Type RS Distribution B5-UG-G3	1	22316	0.85	149.98	
□	SHOP-C		8	Lithonia Lighting	ONY LED P3 40K-MVOLT	ONY LED Canopy P3-5.000m B1-UG-G1 (4200K)	108	3689	0.9	28.51	
□	SHOP-W		3	Lithonia Lighting	W02E2 LED P3 40K-R3CR-T3M	W02E2 LED WITH P3 - PERFORMANCE PACKAGE - 4000K - R3CR - TYPE 3 MEDIUM OPTIC B1-UG-G1 (4200K)	1	3623	0.9	32.1375	

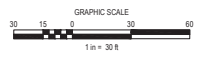
PHOTOMETRIC NOTES:

- NUMBERS ON 10FT X 10FT GRID ARE CALCULATED HORIZONTAL FOOTCANDLE VALUES BASED ON MANUFACTURER PROVIDED IES FILES AND ESTIMATED LIGHT LOSS FACTORS SCHEDULED ON THIS SHEET.
- FOOTCANDLE VALUES INCLUDE LIGHT CONTRIBUTION ONLY FROM POLE AND BUILDING MOUNTED LIGHTS SHOWN ON THESE DRAWINGS INSTALLED AS PART OF THIS PERMIT.

SITE LIGHTING PLANNING ADJUSTMENT NOTE:

- THE HEIGHT OF THE (L) LIGHT POLES NORTH OF SHOPS BUILDING, REFERENCED BY THIS NOTE, AND SHOWN AS 25FT, SHALL BE REDUCED TO 19FT IN ORDER TO PRESENT A LOWER PROFILE TO THE EASTERN RESIDENCES. WHEN THIS ADJUSTMENT IS MADE, LUMINAIRE WATTAGES SHALL ALSO BE REDUCED ACCORDINGLY.

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Footcandle LOTS 121-125	+	0.3%	0.3%	0.1%	3.0%	3.0%
Property Line (G) East (Commercial roadway)	○	2.7%	11.6%	0.8%	N/A	N/A
Property Line (G) South (Public roadway)	○	2.7%	10.7%	0.2%	18.5%	133.1%
Property Line (G) East (Commercial roadway)	○	1.1%	3.5%	0.0%	N/A	N/A
Property Line (G) South (Public roadway)	○	3.6%	9.5%	0.0%	N/A	N/A
Property Line (G) South (Overhead)	○	0.4%	1.7%	0.0%	N/A	N/A
Property Line (G) West (CRS residential)	○	0.1%	0.2%	0.0%	N/A	N/A
Property Line (SHOPS) East (Residential)	○	0.4%	1.0%	0.0%	N/A	N/A
Property Line (SHOPS) North (Residential C/L)	○	2.6%	3.5%	1.0%	3.5%	2.6%
Property Line (SHOPS) South (Overhead)	○	2.1%	3.7%	0.1%	37.6%	21.6%
Footcandle LOTS 1-4	+	0.0%	0.2%	0.0%	N/A	N/A



NO.	DESCRIPTION	APP'D	DATE	REV	DATE

SCALE:	BENCH MARK	CITY B.M. 125	COMPUTED	-
HORIZ. 1" = 30'	ELEV=126.60 (NAVD 88)		DESIGNED	JDT
VERT. 1" = N/A	3" x 3" BRASS DISK STAMPED 2019 PLS 8278. LOCATED ON THE SOUTH SIDE OF PLEASANT GROVE BLVD. APPROX. 300 FEET EAST OF THE CENTERLINE OF FIDMONT ROAD AT THE TOP OF THE CURB WITH THE BUS TURNOUT IN FRONT OF THE BUS SHELTER PAD.		DRAWN	RC
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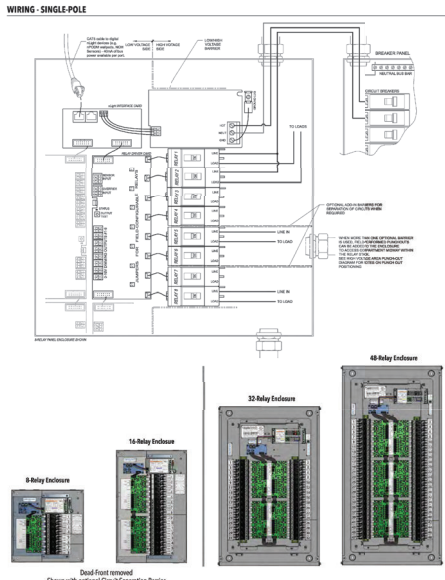
ON-SITE IMPROVEMENT PLANS FOR
GROCERY OUTLET
 SITE PHOTOMETRIC PLAN
 1751 PLEASANT GROVE BOULEVARD
 ROSEVILLE, CALIFORNIA

DATE: MAR 23, 2023
 SHEET: E2
 OF: 7

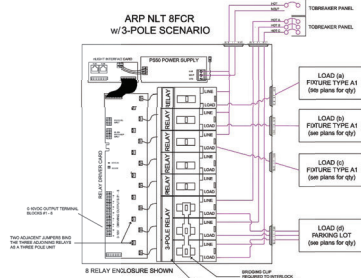
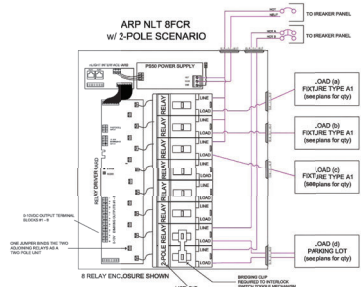
JOB NO. 20-0011-01



GROCERY OUTLET



ARP NLT 8FCR w/ 2-POLE SCENARIO



ARP NLT 8FCR w/ 3-POLE SCENARIO

SPECIFICATIONS

ENCLOSURE DIMENSIONS
 Note: Enclosure is NEMA 1 rated

8-Relay Enclosures

- BACKSIDE ONLY: 14.25" H x 14.25" W x 4.00" D
- SURFACE MOUNT SCREW COVER (standard offering): 14.41" H x 14.41" W x 4.55" D
- FLUSH MOUNT SCREW COVER: 15.58" H x 15.58" W x 4.05" D (IN WALL DEPTH: 4.2")

16-Relay Enclosure

- BACKSIDE ONLY: 22.25" H x 14.25" W x 4.00" D
- SURFACE MOUNT SCREW COVER (standard offering): 22.45" H x 14.45" W x 4.60" D
- FLUSH MOUNT SCREW COVER: 23.65" H x 15.65" W x 4.05" D (IN WALL DEPTH: 4.2")

32-Relay Enclosure

- BACKSIDE ONLY: 32.19" H x 20.13" W x 4.00" D
- SURFACE MOUNT HINGED DOOR w/ KEYLOCK: 32.19" H x 20.13" W x 4.68" D

48-Relay Enclosure

- BACKSIDE ONLY: 40.19" H x 20.13" W x 4.00" D
- SURFACE MOUNT HINGED DOOR w/ KEYLOCK: 40.19" H x 20.13" W x 4.68" D

Relays

- "TSP" Type Relays - Field Configurable for 2-Pole and 3-Pole Relays
- Relays/Standard Ballast:
 - 40A @ 120/277VAC (Single-pole)
 - 40A @ 480VAC (Multi-pole)
- Electronic Ballast:
 - Connectors accept 16 to 24 AWG wire
- Langtans:
 - 20A @ 120/277VAC
 - 30A @ 120VAC
 - 30A @ 240/277VAC
- SC:
 - 20A @ 480VDC
 - SCC
- SSA @ 277VAC with:
 - Screen Cover (SC) option for 8 & 16 relay enclosure
 - Flange Locking (HLK) option for 32 & 48 relay enclosure
- 14A @ 277VAC with:
 - Flange Locking (HLK) option for 8 & 16 relay enclosure

Inputs (1 PER 8 RELAYS)

- (1) Programmable input for contact closure or photoconductor signal (see photoconductor enclosure sheet)
- (1) Overload input (requires maintained signal)
- 24VDC On/Off auxiliary power available (per 8 relays)
- Connectors accept 16 to 24 AWG wire

Outputs (1 PER 8 RELAYS)

- (1) Programmable input for contact closure or photoconductor signal (see photoconductor enclosure sheet)
- (1) Overload input (requires maintained signal)
- 24VDC On/Off auxiliary power available (per 8 relays)
- Connectors accept 16 to 24 AWG wire

QUIRYS

- 0-10VDC capable in Class 1 or Class 2 Wiring
- 100mA SNA Per Terminal Output
- Note:
 - Low trim default 1% adjustable down to 0.7V
 - High trim default 10V/10V max
 - Off mode < 1.7V
- Connectors accept 16 to 24 AWG wire

POWER SUPPLY OPTIONS

- 120/277VAC
- 347VAC Option
- 500Vdc
- Max 0.5 Amps for 16 relay enclosure
- Max 1.0 Amp for 32/48 relay enclosure

PROGRAMMING

- Via SenseView Software

ENVIRONMENT

- Ambient: 8 & 16 relay enclosure: 32-121°F (0-50°C)
- Ambient: 32 & 48 relay enclosure: 32-113°F (0-45°C)
- Langtans:
 - Relative Humidity: 90% non-condensing

STANDARDS

- UL and CSA ENEC listed
- UL 508 (Hardwired emergency circuit use)
- UL 2043 (Photom Relay for Surface Mount Screw Cover "SC" SMP option (8 & 16 relay enclosure only))

BUS CONNECTOR

- (2) Bus connectors
- 40A Bus Power per Relay (80A total)

NIGHT ADDRESSES PER PANEL

- (1) ARP4048
- (8) Relay Dimming Outputs
 - (1) Programmable Input
- (1) ARP1216
- (16) Relay Dimming Outputs
 - (2) Programmable Inputs
- (3) ARP432
- (32) Relay Dimming Outputs
 - (4) Programmable Inputs
- (5) ARP48
- (48) Relay Dimming Outputs
 - (4) Programmable Inputs

ORDERING INFORMATION

Example: ARP INTENCOR 1BTRIED 1W0250 30A

Panel Size	Relay Quantity	250VAC	30VDC	16 Pole	32 Pole	48 Pole
ARP INTENCOR NLT 8-Relay Enclosure	8 Relay	8 Single Pole Relays	8 Single Pole Relays	8 Pole Configurable Relays	16 Pole Configurable Relays	32 Pole Configurable Relays
ARP INTENCOR NLT 16-Relay Enclosure	16 Relay	16 Single Pole Relays	16 Single Pole Relays	16 Pole Configurable Relays	32 Pole Configurable Relays	48 Pole Configurable Relays
ARP INTENCOR NLT 32-Relay Enclosure	32 Relay	32 Single Pole Relays	32 Single Pole Relays	32 Pole Configurable Relays	48 Pole Configurable Relays	48 Pole Configurable Relays
ARP INTENCOR NLT 48-Relay Enclosure	48 Relay	48 Single Pole Relays	48 Single Pole Relays	48 Pole Configurable Relays	48 Pole Configurable Relays	48 Pole Configurable Relays

Operating Voltage

120/277VAC	347VAC	500VDC
------------	--------	--------

Mounting

Surface Mount	Flush Mount
---------------	-------------

Door Type

No Cover	Screen Cover	Hinged Locking
----------	--------------	----------------

Key Lock

No Lock	3IC	Digital Time Clock
---------	-----	--------------------

Notes:

- Only available in 8-Relay Enclosure.
- Only available in 16-Relay Enclosure.
- Only available in 32-Relay Enclosure.
- Only available in 48-Relay Enclosure.
- Only available with 24VDC Input.
- Only available in 32 & 48 Relay Enclosures.
- 24VDC Enclosure requires a 100VAC input for the power supply.

Photoconductor Replacements (Optional Locking Models)

Series	Description	Recommended Application
ARP4048	Simple switching (1-1) (3C) with mechanically adjustable slide	Outdoor dusk to dawn, On/Off only
ARP4048	Analogue response (100V) with mechanically adjustable slide	Outdoor dusk to dawn lighting, On/Off or On/Off (On/Off system emergency)

Additional Replacements (Optional Locking Models)

Series	Description
ARP DCC BKT	Hardware to field install aDCC in each relay panel (ARP), aDCC ordered separately
ARP DCC COVER MOUNTAGE KIT	Base and hardware to cover 2 and 3-pole relays in the field (2 & 3-pole only, 1 & 2-pole only)
ARP4048	Replacement (C) and (D)
ARP BARBER REPLACEMENT KIT	Additional voltage barrier for 48/120V relays panels
ARP22 48VDC VOLTAGE BARRIER	Additional voltage barrier for 24/120V relays panels

GROCERY OUTLET AND SHOPS BUILDINGS

OVERVIEW

The right Relay Panel family delivers cost-effective 0-10V dimming and switching for your building design needs. The panel communicates with an rLight network and supports up to 128 digital drivers per rLight control zone. Offering a full range of panel sizes, the right Relay Panel is ideal for spaces that require full central control, with the optional flexibility of configuring single pole relays into two or three pole relays in the field.

Also included on each panel is a programmable input that can be connected to a photoconductor, for example, and a separately contact "alarm" input that overrides all relays until the contact is released.

rLIGHT OPERATION

The right Relay Panel in rLight enabled, meaning it has the ability to communicate over an rLight network. When dimly chain enabled with other rLight enabled sensors, power packs, or rLightNet™ using CAS-5e calling, an rLight control zone is created. Connecting the panel to an rLight network backbone and rLight rCCTV™ system controller enables time-based control, energy programming and monitoring from SenseView™ software, and BMS integration capabilities.

The digital time clock (DTC) option allows for on-screen configuration and control of connected devices, while introducing scheduling to standard panels. When connected to rLight backbone and rLight rCCTV system controllers the panels relinquish all time clock functionality.

FEATURES

- Communicates with an rLight network
- Up to 128 digital devices per rLight control zone: each right Relay Panel utilizes 9 device addresses per 8 relays dimming outputs
- 1 address per relay/dimming output
- 1 address for the programmable input
- All relays include built-in manual override lever
- All relays are individually programmable
- One 0-10V dimming output per relay
- Create and control up to 25 schedules - Normal & Holiday (DCC version)
- Astronomical Timeclock feature enables +/- 5-minute of Sunrise/Sunset and programmable Latch/Relay (DCC version)
- Programmable 0-5 second high "light" input (both standard 200VDC version)
- Input is programmable to preserve/phase, photoconductor signal, wallpad toggle (retain or invert)
- Contact input for "alarm" override (requires maintain contact signal)
- All relays communicate with switch/occupancy/photoconductor channel 1 out of the box (programmable through SenseView)
- FCP type relays capable of being field configured to 2 and 3-pole relay configurations with included hardware
- 48 Relay Panel: 2 & 3-Pole and 1 & 3-Pole Hardware Included
- 12V6 Relay Panel: 4 & 2-Pole and 2 & 3-Pole Hardware Included
- 24/248 Relay Panel: 4 & 2-Pole and 2 & 3-Pole Hardware Included
- Supplies auxiliary 24VDC power and rLight network bus power (20mA per RJ45 port)
- Removable back plate for ease of installation
- UL 508 panel listing for Switching/Emergency Circuits
- Optional field-installed voltage barrier for normal/emergency use, or ungrounded voltage use
- Remotely Configurable/Programmable



ARP INTENCOR NLT 8FCR/MVOLT 1VB HLKSM DTC -- for the Grocery Outlet Big Bag
 ARP INTENCOR NLT 48FCR/MVOLT 1VB HLKSM DTC -- for the Shops Big Bag
 LOCATE REPLAY PANEL CLOSE TO EACH 120V DUTY LIGHTING DISTRIBUTION PANEL PROVIDED BY OTHERS

TIMECLOCK IS NOT REQUIRED. HOWEVER, IF TIMECLOCK IS PREFERRED INSTEAD OF INCLUDED ASTRONOMICAL PROGRAMMING, PROVIDE (1) APPA FC PER PANEL.

Buy American

This product is manufactured in the USA and meets the Buy American government procurement requirements under FAR, IRARS and DCF. Please refer to www.buyamericandirect.com for additional information.

Warranty

Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.buyamericandirect.com (support@buyamericandirect.com)

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

July 2018 | One Lithonia Way, Conroy, GA 30012 | Phone: 800.535.2465 | www.auiopretels.com
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NO.	DESCRIPTION	APPRO. ENGR.	DATE

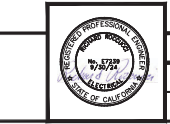
SCALE: BENCH MARK CITY B.M. 125
 ELEV=126.60 (NAVD 88)
 3" = 30'
 1" = N/A

30' x 30' BRASS DISK STAMPED 2019 PLS 8278. LOCATED ON THE SOUTH SIDE OF PLEASANT GROVE BLVD. APPROX. 300 FEET EAST OF THE CENTERLINE OF FIDPOINT ROAD AT THE TOP OF THE CURB WITHIN THE BUS TURNOUT IN FRONT OF THE BUS SHELTER PAD.

COMPUTED	DESIGNED	DRAWN	PROJ. ENGR.
-	JDT	RC	JDT

CES ENGINEERING, INC.
 916.905.4477 | www.conwayengineering.com
 13420 Mesa Drive, Grass Valley, California 95949 USA

ON-SITE IMPROVEMENT PLANS FOR
GROCERY OUTLET
 CCC REQUIRED LIGHTING CONTROLS
 1751 PLEASANT GROVE BOULEVARD
 ROSELVILLE, CALIFORNIA



DATE	MAR 23, 2023
SHEET	3.3
OF	7

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-10-4 CALIFORNIA ENERGY COMMISSION
 NRC-110-4
 CERTIFICATE OF COMPLIANCE
 Project Name: Grocery Outlet, West Roseville, CA Report Page: (Page 1 of 8)
 Project Address: 1751 Pleasant Grove Blvd., Date Prepared: 2/16/2023

A. GENERAL INFORMATION

01 Project Location (city)	Roseville	04 Total Illuminated Hardscape Area (ft²)	46552
02 Climate Zone	11		
03 Outdoor Lighting Zone per Title 24 Part 1 §101.14 or as designated by Authority Having Jurisdiction (AHJ):			
<input type="checkbox"/> L1-0: Very Low - Developed Parkland		<input type="checkbox"/> L2-2: Moderate - Rural Areas	
<input type="checkbox"/> L2-1: Low - Undeveloped Parkland		<input type="checkbox"/> L2-3: Moderately High - Urban Areas	

B. PROJECT SCOPE
 This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §160.7, or §161.0(b)(2), for alterations.

My Project Consists of:

01	02
<input type="checkbox"/> New Lighting System	Must Comply with Allowances from §160.7
<input type="checkbox"/> Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? <input type="radio"/> Yes <input type="radio"/> No
03	
% of Existing Luminaires Being Altered ¹ Sum Total of Luminaires Being Added or Altered Calculation Method	
<input type="checkbox"/> < 10% <input type="checkbox"/> ≥ 10% and < 50% <input type="checkbox"/> ≥ 50%	

Please proceed to Table F. Outdoor Lighting Fixture Schedules 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.

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-10-4 CALIFORNIA ENERGY COMMISSION
 NRC-110-4
 CERTIFICATE OF COMPLIANCE
 Project Name: Grocery Outlet, West Roseville, CA Report Page: (Page 2 of 8)
 Project Address: 1751 Pleasant Grove Blvd., Date Prepared: 2/16/2023

C. COMPLIANCE RESULTS
 Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) §160.7 or §161.0(b)(2)										Compliance Results	
G1	G2	G3	G4	G5	G6	G7	G8	G9			
General Hardscape Allowance §149.7(a)(1) (See Table G)	Per Application §149.7(a)(2) (See Table I)	Sales Frontage §149.7(a)(3) (See Table K)	Ornamental §149.7(a)(4) (See Table L)	Per Specific Area §149.7(a)(5) (See Table M)	OR	Existing Power Allowance §141.0(b)(2) (See Table N)	Total Allowed (Watts)	≥	Total Actual (Watts)	07 must be >= 08	
2,449.05	---	---	---	---	OR	---	2,449.05	≥	2,360.7	COMPLIES	
Cutoff/Compliance (See Table G for Details)										COMPLIES	
Control/Compliance (See Table H for Details)										COMPLIES	

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-10-4 CALIFORNIA ENERGY COMMISSION
 NRC-110-4
 CERTIFICATE OF COMPLIANCE
 Project Name: Grocery Outlet, West Roseville, CA Report Page: (Page 3 of 8)
 Project Address: 1751 Pleasant Grove Blvd., Date Prepared: 2/16/2023

D. OUTDOOR LIGHTING FIXTURE SCHEDULE
 For new or altered lighting systems demonstrating compliance with §160.7, all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §161.0(b)(2), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e., existing luminaires remaining or existing luminaires being moved are not included).

Designated Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ¹	How is Wattage determined	Total number luminaires ²	Luminaire Status ³	Excluded per §149.7(a)	Design Watts	Cutoff Req. - < 6,200 initial lumen output §130.2(b)(4)	Notes
CY	LED 26.5	26.5	Mfr. Spec.	3	New		79.5	NA - < 6200 lumens	Pass fail
P3 >2MH	LED 150 >2MH	150	Mfr. Spec.	4	New		600	Yes	
P3 1-2MH	LED 150 1-2MH	150	Mfr. Spec.	5	New		750	Yes	
P4 1-2MH	LED 189.5 1-2MH	189.5	Mfr. Spec.	2	New		379	Yes	
SHOP-C	LED 26.4	26.4	Mfr. Spec.	8	New		211.2	NA - < 6200 lumens	
SHOP-W	LED 32	32	Mfr. Spec.	3	New		96	NA - < 6200 lumens	
WPI	LED 35	35	Mfr. Spec.	7	New		245	NA - < 6200 lumens	
							Total Design Watts:	2360.7	

FOOTNOTES: Selections with a "1" require a note in the space below explaining how compliance is achieved.
 01 Luminaire or lighting fixture. EXCEPTION 2 per §130.2(b).
 2 For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
 3 Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing/Reinstated" for existing luminaires which are not being removed and are remaining. Select "Existing/Reinstated" for existing luminaires which are being removed and reinstated as part of the project scope.
 4 Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b).

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-10-4 CALIFORNIA ENERGY COMMISSION
 NRC-110-4
 CERTIFICATE OF COMPLIANCE
 Project Name: Grocery Outlet, West Roseville, CA Report Page: (Page 4 of 8)
 Project Address: 1751 Pleasant Grove Blvd., Date Prepared: 2/16/2023

G. CUTOFF REQUIREMENTS (BUSH)
 This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Cutoff Requirements. Maximum lumens can be found in Table 24, Part 11, Section 5.106.8.

True	02	03	04	05	06	07	08	09	10	11	12
Name or Item Tag	Complete Luminaire Description	Mounting Height ¹	Backlight Rating ²	Max Allowable Backlight Rating ³	Lighting type	Max Allowable Uplight Rating ⁴	Uplight Rating Per Design	Mounting Height ¹	Max Allowable Glare Rating ⁵	Glare Rating Per Design	Pass Fail
P3 >2MH	LED 150 >2MH	2 MH from property line	No Limit	B3	Area Lighting	U0	U0	2 MH from property line	G3	G3	
P3 1-2MH	LED 150 1-2MH	Back hemisphere is 1 - 2 MH from prop. line	B4	B1	Area Lighting	U0	U0	2 MH from property line	G3	G3	
P4 1-2MH	LED 189.5 1-2MH	Back hemisphere is 1 - 2 MH from prop. line	B4	B1	Area Lighting	U0	U0	2 MH from property line	G3	G3	
P3 1-2MH	LED 150 1-2MH	Back hemisphere is 1 - 2 MH from prop. line	B4	B1	Area Lighting	U0	U0	2 MH from property line	G3	G3	
P3 >2MH	LED 150 >2MH	2 MH from property line	No Limit	B3	Area Lighting	U0	U0	2 MH from property line	G3	G3	

FOOTNOTES: Mounting Height is labeled with a "1" in this table.
 1 Authority Having Jurisdiction may set for luminaires cut sheets or other documentation to confirm luminaire type, uplight settings and glare ratings used for compliance per §130.2(b).
 2 BUJ ratings with a lower number than the "Max Allowable" are compliant. Ex. A Max Allowable of B4 Rating B4, then B0, B1, B2 and B3 are all compliant.

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-10-4 CALIFORNIA ENERGY COMMISSION
 NRC-110-4
 CERTIFICATE OF COMPLIANCE
 Project Name: Grocery Outlet, West Roseville, CA Report Page: (Page 5 of 8)
 Project Address: 1751 Pleasant Grove Blvd., Date Prepared: 2/16/2023

H. OUTDOOR LIGHTING CONTROLS
 This table demonstrates 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. unselected) and luminaires which are removed and reinstated (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 "1" is selected, the notes section of this table must be completed. The lighting control section of the Compliance Summary table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Mandatory Controls:

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
				Pass Fail

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

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-10-4 CALIFORNIA ENERGY COMMISSION
 NRC-110-4
 CERTIFICATE OF COMPLIANCE
 Project Name: Grocery Outlet, West Roseville, CA Report Page: (Page 6 of 8)
 Project Address: 1751 Pleasant Grove Blvd., Date Prepared: 2/16/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Gary Conway, LC
 Gary Conway, LC
 CES Engineering, Inc.
 13420 Mesa Drive
 Grass Valley CA 95949
 Phone: 916.905.4477

Signature Date: _____
 CEAH/HER Certification Identification (if applicable): _____
 Date Signed: 2023-02-16
 License: E7239
 Phone: 916.905.4477

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 4 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufacturer 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.
- The building design features or system design features identified in the Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcing agency for approval with this building permit application.
- I will ensure that a completed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, not made available to the enforcement agency for applicable inspections. I understand that a completed copy of this Certificate of Compliance is required to be included with the documentation the holder provides to the building owner or occupancy.

Responsible Designer Name: Richard R. Brown, PE
 Richard R. Brown, PE
 CES Engineering, Inc.
 13420 Mesa Drive
 Grass Valley CA 95949
 Phone: 916.905.4477

Registration Number: _____ Registration Date/Time: _____ Registration Provider: Energysoft
 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Schema Version: rev 20200601 Report Generated: 2023-02-16 16:28:16

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-10-4 CALIFORNIA ENERGY COMMISSION
 NRC-110-4
 CERTIFICATE OF COMPLIANCE
 Project Name: Grocery Outlet, West Roseville, CA Report Page: (Page 7 of 8)
 Project Address: 1751 Pleasant Grove Blvd., Date Prepared: 2/16/2023

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
 This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included 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/NRC/

Form/Title	Pass	Fail
NRC-LTO-01-E - Must be submitted for all buildings	<input type="checkbox"/>	<input type="checkbox"/>

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no NRC-A forms required for this project.

DATE PLOTTED: 2/22/2023 10:45:00 AM USER: GARY CONWAY PROJECT: 1751 PLEASANT GROVE BLVD - GROCERY OUTLET

NO.	DESCRIPTION	APPROVED	DATE

SCALE: _____

BENCH MARK: CITY B.M. 125
 ELEV.=126.60 (NAVD 88)
 3" W BROSS DISK STAMPED 2019 PLS 8278 LOCATED ON THE SOUTH SIDE OF PLEASANT GROVE BLVD. APPROX. 300 FEET EAST OF THE CENTERLINE OF FIDPOINT ROAD AT THE TOP OF THE CURB WITHIN THE BUS TURNOUT IN FRONT OF THE BUS SHELTER PAD.

COMPUTED	-
DESIGNED	JDT
DRAWN	RC
PROJ. ENGR.	JDT

516.905.4477 www.conwayengineering.com
 13420 Mesa Drive Grass Valley California 95949 USA

STATE OF CALIFORNIA
Outdoor Lighting
 NRC-10-4 CALIFORNIA ENERGY COMMISSION
 NRC-110-4
 CERTIFICATE OF COMPLIANCE
 Project Name: Grocery Outlet, West Roseville, CA Report Page: (Page 8 of 8)
 Project Address: 1751 Pleasant Grove Blvd., Date Prepared: 2/16/2023

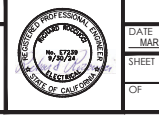
J. LIGHTING ALLOWANCE: PER APPLICATION
 This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
 This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
 This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
 This section does not apply to this project.

Registration Number: _____ Registration Date/Time: _____ Registration Provider: Energysoft
 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Schema Version: rev 20200601 Report Generated: 2023-02-16 16:28:16



ON-SITE IMPROVEMENT PLANS FOR
GROCERY OUTLET
 CEC LIGHTING ENERGY COMPLIANCE
 1751 PLEASANT GROVE BOULEVARD
 ROSEVILLE, CALIFORNIA

DATE: MAR 23, 2023
 SHEET: E4
 OF: 7

GROCERY OUTLET