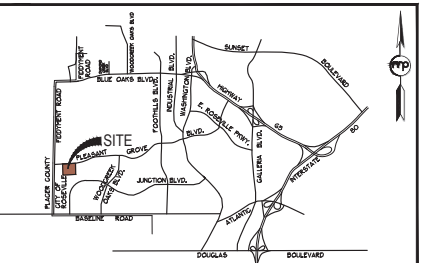


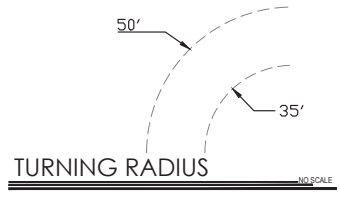
PARCEL	SQUARE FEET	CODE	REQUIRED	PROVIDED	EV	ACCESSIBLE	BIKE (SHORT TERM)	BIKE (LONG TERM)
1 - GROCERY OUTLET	16,000	1/300 SF	54	88	11 REQ. 11 PROV.	3 REQ. 3 PROV.	3 REQ. 3 PROV.	TBD PER EMPLOYEES
2 - SHOPS	4,600	1/200 SF	23	28	5 REQ. 5 PROV.	2 REQ. 2 PROV.	3 REQ. 3 PROV.	TBD PER EMPLOYEES
TOTAL			77	116	12 REQ. 12 PROV.	5 REQ. 5 PROV.	9 REQ. 9 PROV.	TBD PER EMPLOYEES



VICINITY MAP

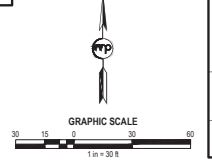
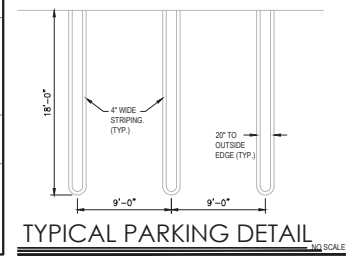
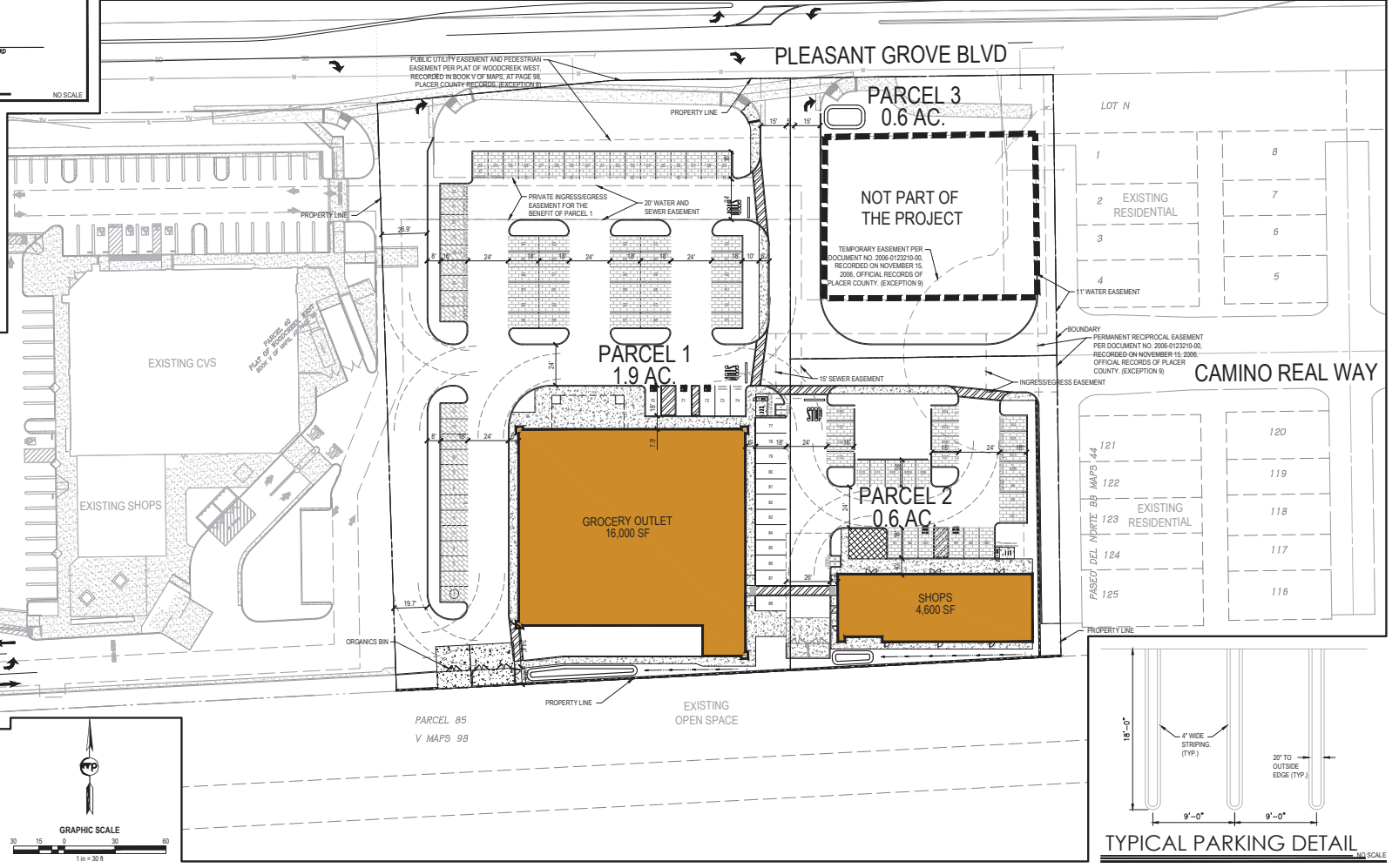
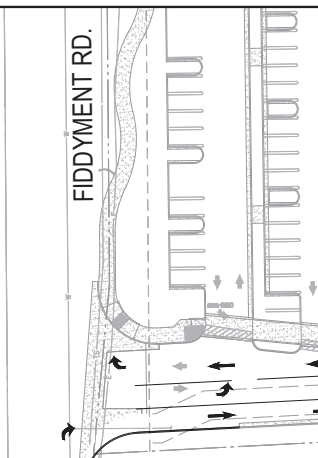


TYPICAL LIGHT DETAIL



TURNING RADIUS

PARKING REQUIREMENT



NO.	DESCRIPTION	APPROVED	DATE	APPROVED	DATE

SCALE:	BENCH MARK
HORIZ. 1" = 30'	
VERT. 1" = NA	

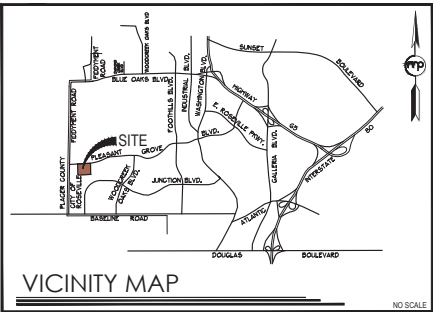
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DESIGNED	
DRAWN	
PROJ. ENGR.	

mp **MORTON & PITALO, INC.**
 CIVIL ENGINEERING • LAND PLANNING • LAND SURVEYING
 Folsom • 7162910
 600 Coolidge Drive, Suite #140
 Folsom, CA 95630
 phone: 916.984.7621
 web: www.mpiengr.com

PRELIMINARY PLAN FOR
GROCERY OUTLET
 1751 PLEASANT GROVE BOULEVARD
SITE PLAN
 ROSEVILLE, CALIFORNIA

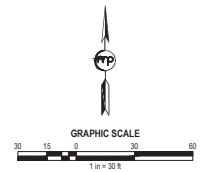
DATE	MARCH 23, 2023
SHEET	1
OF	3

EN CW# NOT FOR CONSTRUCTION GROCERY OUTLET



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 PHOTO METRIC 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

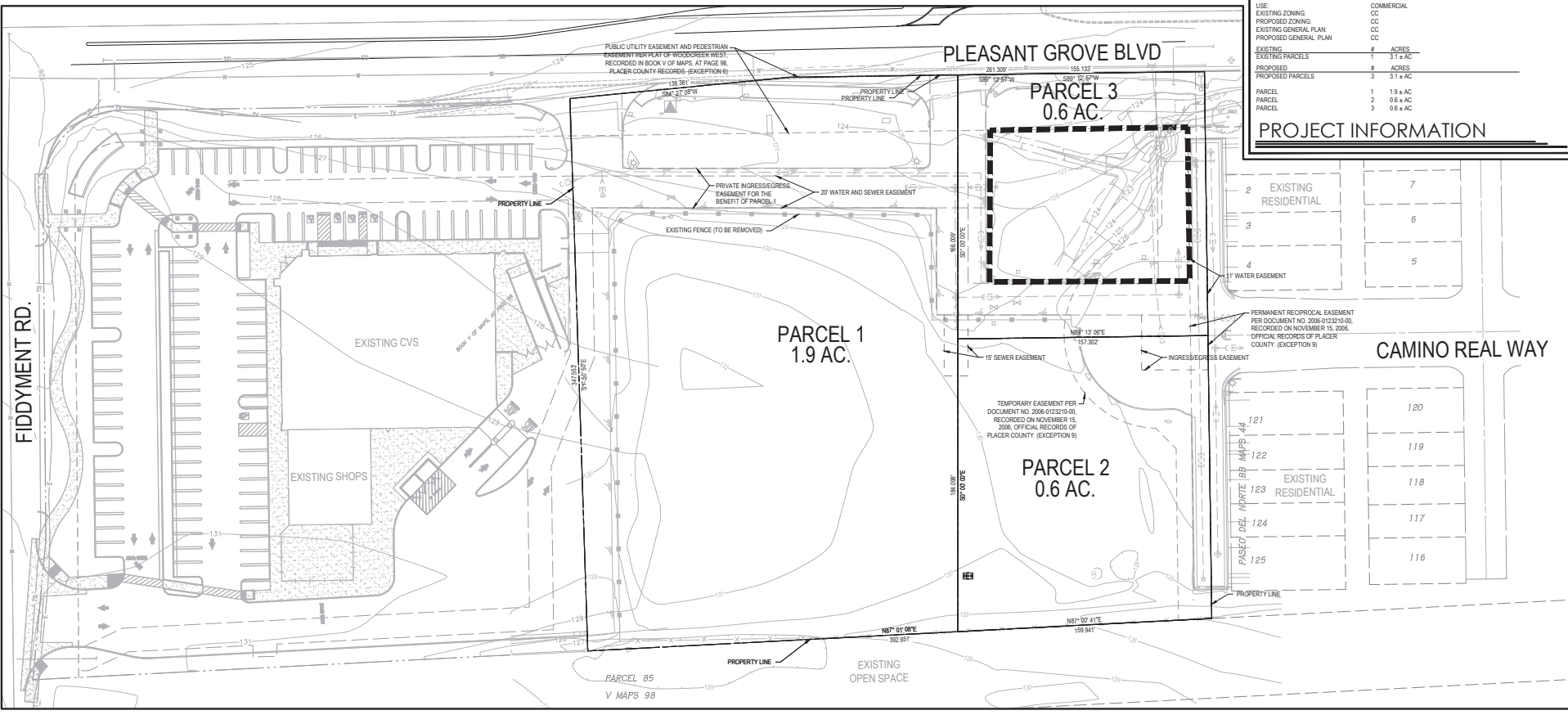
WATER:	CITY OF ROSEVILLE
WATES:	CITY OF ROSEVILLE
GAS:	PG&E
ELECTRIC:	ROSEVILLE ELECTRIC
TELEPHONE:	ROSEVILLE TELEPHONE
CABLE TV:	COMCAST

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		

NO.	DESCRIPTION	APPROVED	DATE	APPROVED	DATE

SCALE:
 BENCH MARK
 HORIZ. 1" = 30'
 VERT. 1" = NA

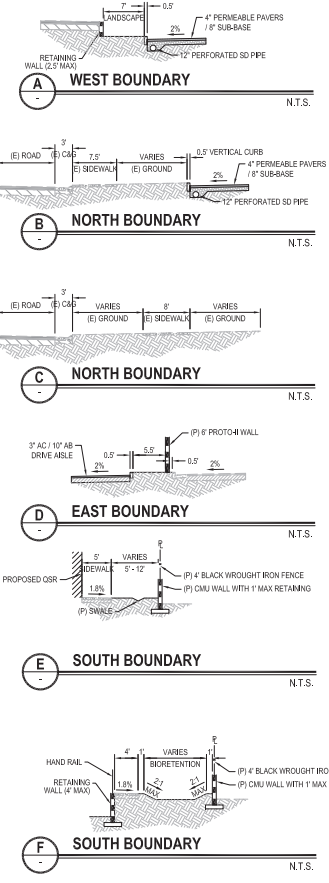
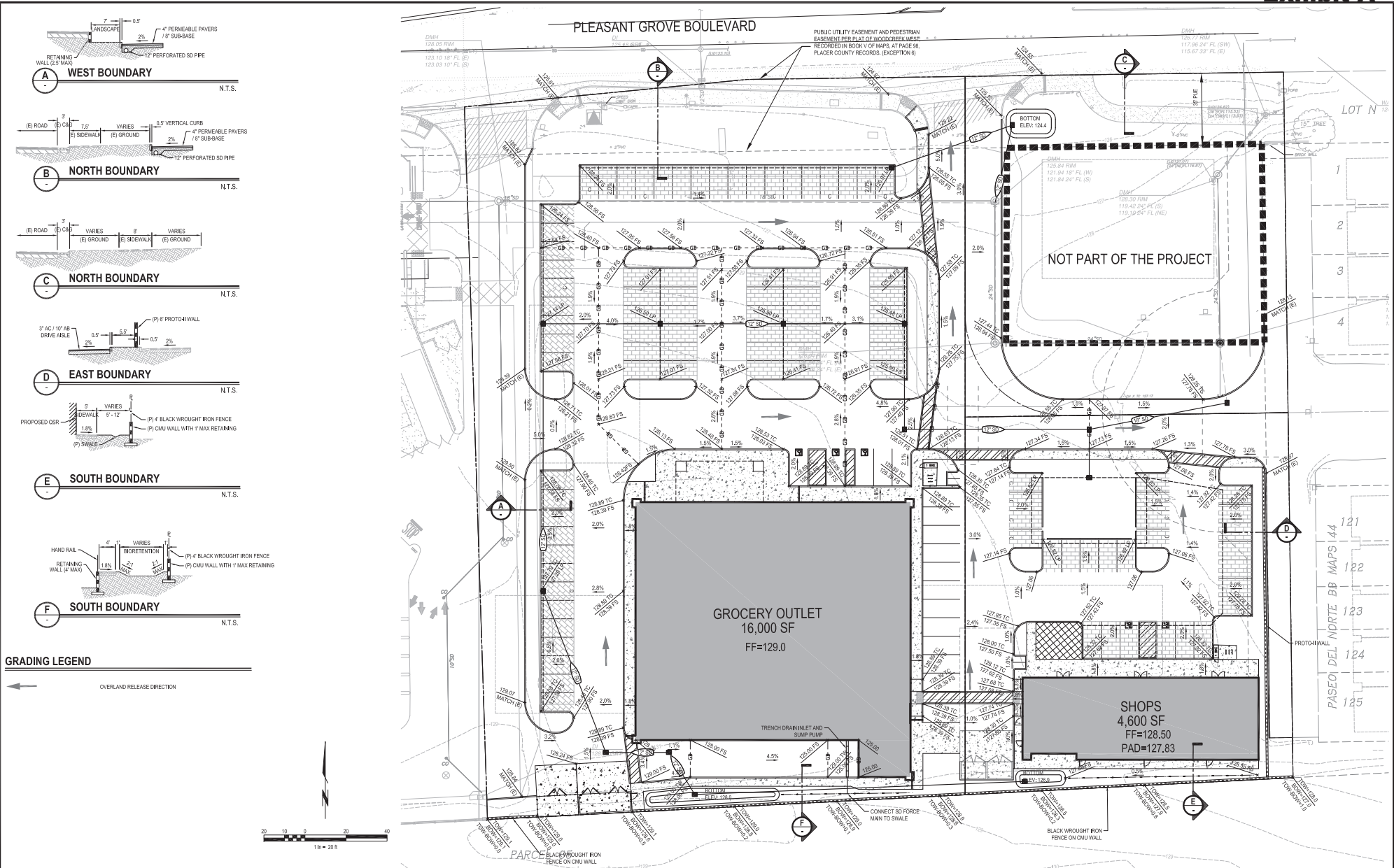
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PROJ. ENGR.	

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 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.

SCALE:	BENCH MARK

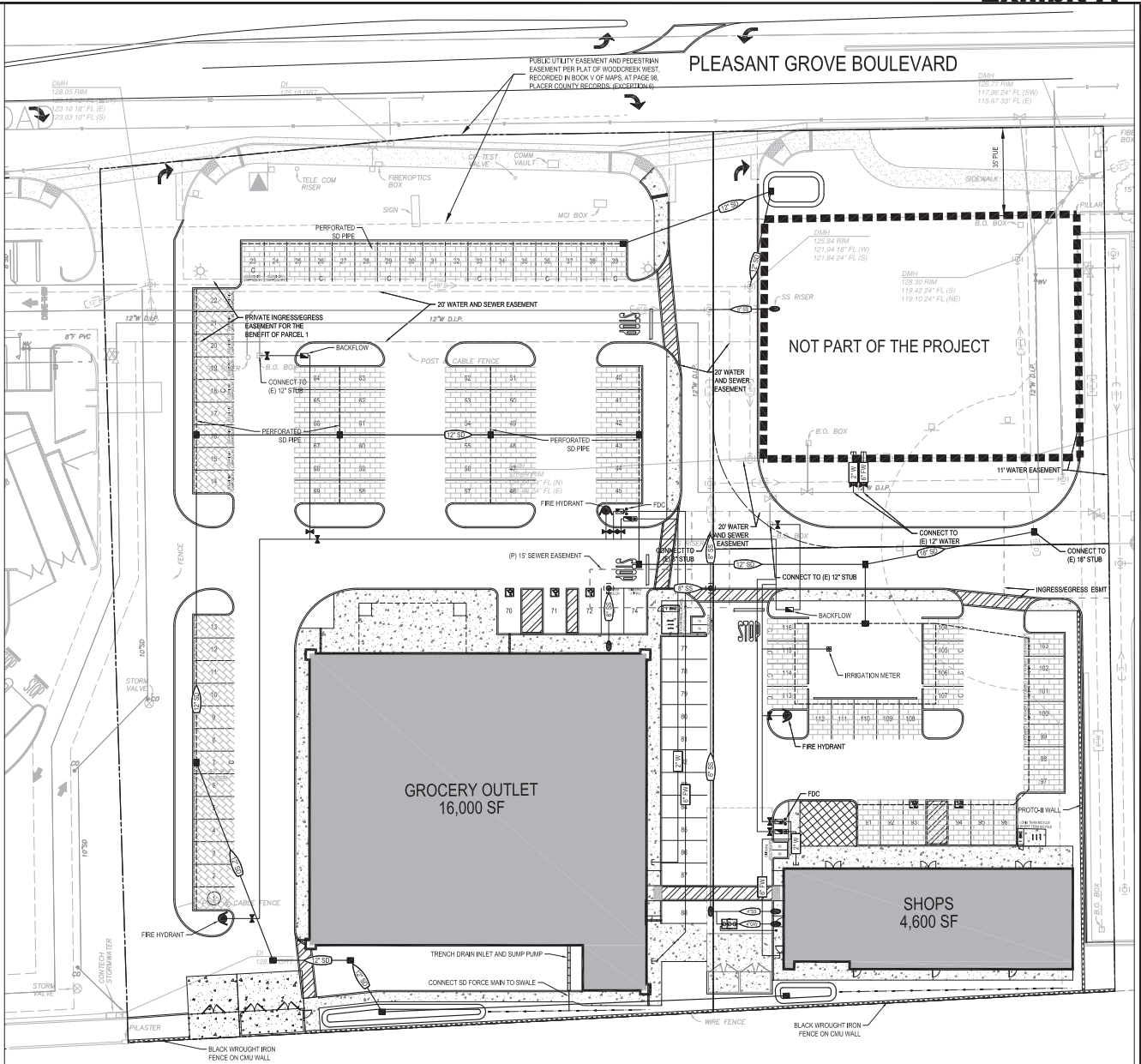
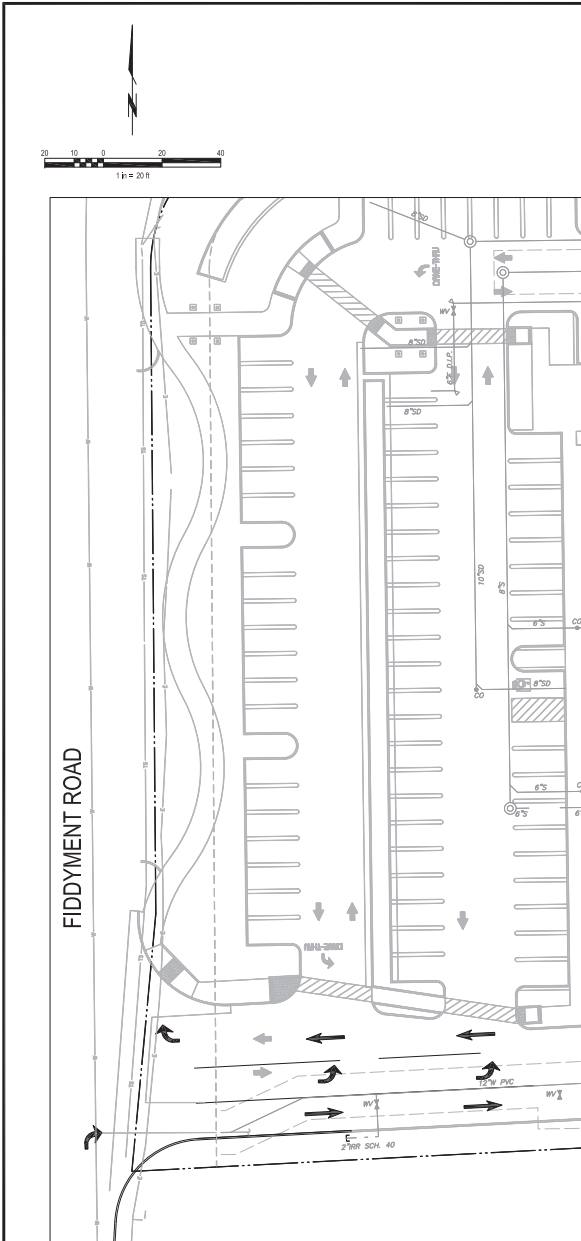


MORTON & PITALO, INC.
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web: www.mortonp.com

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

DATE	SHEET	OF
MARCH 23, 2023	2	3

EN CW#8
NOT FOR CONSTRUCTION
GROCERY OUTLET



REVISIONS	NO.	DESCRIPTION	APPD. DATE	DATE
▲				
▲				
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▲				

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

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DESIGNED	
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PROJ. ENGR.	

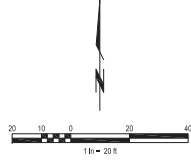
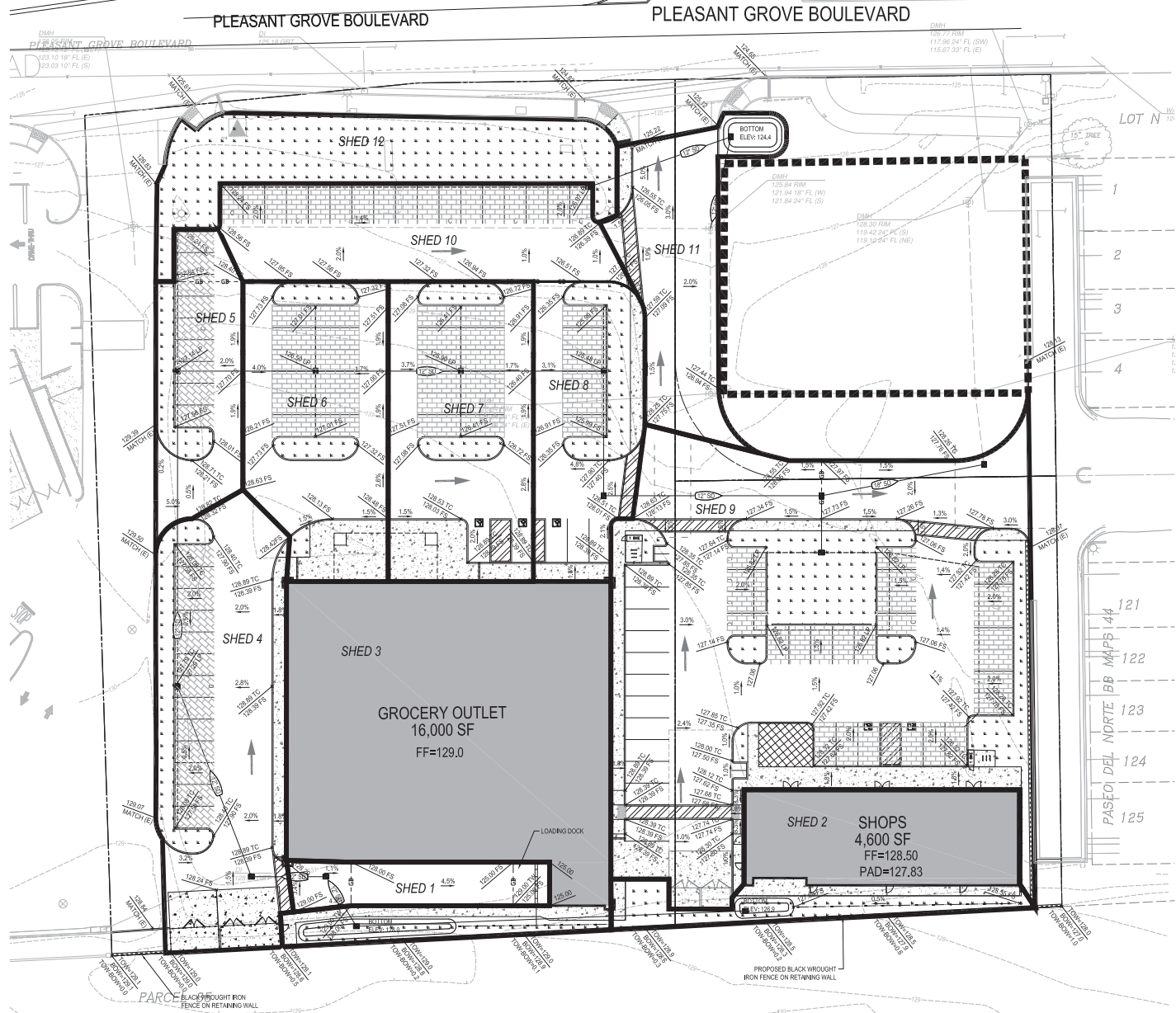


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 web: www.morton.com

PRELIMINARY PLAN FOR		DATE
GROCERY OUTLET		MARCH 23, 2023
1751 PLEASANT GROVE BOULEVARD		SHEET
PRELIMINARY UTILITY PLAN		3
ROSELILLE, CALIFORNIA		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

COMPUTED	BENCH MARK
DESIGNED	
DRAWN	
PROJ. ENGR.	



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 Folsom • Fresno
 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 LARGE SWATHS OF LOW GRASS PLANTING WITH COLORFUL, ACCENT SHRUB 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	MUHLENBERGIA 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 UNVALURSII 'POINT REYES' POINT REYES KINKRINKICK	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 AREA 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
10/28	ENTITLEMENT CYCLE 2

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

L-0



PLANTING SPECIFICATIONS

GENERAL

- QUALIFICATIONS OF LANDSCAPE CONTRACTOR
- ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING.
- A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.

B. SCOPE OF WORK

- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK SPECIFIED UNDER THESE SECTIONS ON THE LANDSCAPE PLANS, NOTES AND DETAILS.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTORS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS.
- THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK.

PRODUCTS

- ALL MANUFACTURED PRODUCTS SHALL BE NEW.
- CONTAINER AND BALLED-AND-BURLAPPED PLANTS
- FURNISH NURSERY-GROWN PLANTS COMPLYING WITH THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1) AND PROVIDE WELL-SHAPED, FIRM BRANCHED, HEALTHY, WOODRIND STOOK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFURNISHMENT. ALL PLANTS WITHIN A SPECIES SHALL HAVE SIMILAR SIZE AND SHALL BE OF A FORM TYPICAL FOR THE SPECIES. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE, AND WITH SIMILAR CLIMATIC CONDITIONS.
- ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED, ROOT SYSTEMS, NON-POT-BOUND, FREE FROM DROUGHT AND/OR OVERWATERING STRESS AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS SHOVED ROOTS).
- TREES MAY BE PLANTED FROM CONTAINERS OR BALLED-AND-BURLAPPED (BAB) UNLESS SPECIFIED ON THE PLANTING LEGEND. BAB-ROOT TREES ARE NOT ACCEPTABLE.
- ANY PLANT DEEMED UNACCEPTABLE BY THE OWNER OR OWNERS REPRESENTATIVE SHALL BE IMMEDIATELY REMOVED FROM THE JOB SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTORS OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE OWNER OR OWNERS REPRESENTATIVE SHALL BE THE SOLE JUDGE AS TO THE ACCEPTABILITY OF PLANT MATERIAL.
- ALL TREES SHALL BE STANDBY IN FORM UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING. CALIPER MEASUREMENTS FOR STANDBY (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES 12 TO 24 INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING FOUR INCHES IN CALIPER.
- MULTITRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL, WHERE CALIPER MEASUREMENTS ARE USED. THE CALIPER SHALL BE CALCULATED AS ONE-HALF OF THE SUM OF THE CALIPERS OF THE THREE LARGEST TRUNKS.
- ANY TREE OR SHRUB WHICH TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED.
- SOIL: PROVIDE WELL-DRAINED SOIL OF THE VARIETY NOTED ON THE PLAN. SOIL SHALL BE CUT FROM HEALTHY, MATURE TURF WITH SOIL TO A MINIMUM 18" DEPTH INCLUDING FOUR (4) INCHES OF SOIL, ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOIL.
- TOPSOIL: SANDY TO LOAMY TOPSOIL FROM A SOURCE LARGER THAN 1/2" FOREIGN MATTER, PLANTS, ROOTS, AND SEEDS.

C. COMPOST: WELL-COMPOSTED, STABLE AND NEUTRAL-PHOSPHORUS MATTER, pH RANGE OF 6.5 TO 8 AND MOISTURE CONTENT 55 TO 65 PERCENT BY WEIGHT, 90 PERCENT PASSING THROUGH 3/4" SIEVE, SOLUBLE SALT CONTENT OF 5 TO 10, PHOSPHORUM NOT GREATER THAN 0.5 PERCENT, NITROGEN 2.0 PERCENT AND FREE OF SUBSTANCES TOXIC TO PLANTINGS, NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE USED.

D. FERTILIZER: GRANULAR FERTILIZER CONSISTING OF NITROGEN, PHOSPHORUS, POTASSIUM AND OTHER NUTRIENTS IN PROPORTIONS, AMOUNTS, AND RELEASE RATES RECOMMENDED IN A SOIL REPORT ON A QUALIFIED SOIL-TESTING AGENCY (SEE BELOW).

G. MULCH: SIZE AND TYPE AS INDICATED ON PLANS, FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS.

H. TREES STAKING AND GUYING

- STAKES: 1" O.D. GREEN METAL T-POSTS.
- WY AND TIE WIRE: ASTM A 64, CLASS 1 GALVANNEZ STEEL, WIRE: 2-STRAND, TWISTED, 0.108 INCH DIAMETER.
- STRAP CHAINING GUYED: REINFORCED NYLON OR CAVES AT LEAST 1-1/2 INCH WIDE, WITH GRONMETS TO PROTECT TREE TRUNK FROM DAMAGE.

I. STEEL EDGING: PROFESSIONAL, STEEL EDGING 1/4 GAUGE THICK X 4 INCHES WIDE, FACTORY PAINTED DARK GREEN, ACCEPTABLE MANUFACTURERS INCLUDE CUM-LET OR APPROVED EQUIV.

J. PRE-EMERGENT HERBICIDES: ANY GRANULAR, NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTAL OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER MANUFACTURERS LABELED RATES.

METHODS

- SOIL PREPARATION
 - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +/- 1/2" OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCY EXIST.
 - SOL TESTING
 - AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES FROM THE PROJECTS LANDSCAPE AREAS TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY. EACH SAMPLE SUBMITTED TO THE LAB SHALL CONSIST OF NO LESS THAN ONE QUANT OF SOIL TAKEN FROM BETWEEN THE SOIL SURFACE AND 6" DEPTH. IF NO SAMPLE LOCATIONS ARE INDICATED ON THE PLANS, THE CONTRACTOR SHALL TAKE A MINIMUM OF THREE SAMPLES FROM VARIOUS LOCATIONS FOR TESTING.
 - THE CONTRACTOR SHALL HAVE THE SOIL TESTING LABORATORY PROVIDE RESULTS FOR THE FOLLOWING: SOIL TEXTURAL CLASS, GENERAL SOIL CHARACTERIZATION, PERCENT SAND, SILT, CLAY, LOAM, ROLM, ROOM, ADSORPTION RATIO (SAR) AND BORON CONTENT.
 - THE CONTRACTOR SHALL ALSO SUBMIT THE PROJECTS PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES.
 - THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): SEPARATE SOIL PREPARATION AND BACKFILL MIX RECOMMENDATIONS FOR GENERAL ORNAMENTAL PLANTS; SOIL, TURF, AND NATIVE SEEDS AS WELL AS PRE-PLANT FERTILIZER APPLICATIONS AND RECOMMENDATIONS FOR ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG TERM MAINTENANCE.
 - THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT RECOMMENDATIONS. ANY CHANGE IN COST DUE TO THE SOILS REPORT RECOMMENDATIONS, EITHER INCREASE OR DECREASE, SHALL BE SUBMITTED TO THE OWNER WITH THE REPORT.
 - SOIL PREPARATION AND FERTILIZATION: THE SOIL PREPARATION SHALL CONSIDER ADJUSTMENT TO BE INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 6" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-SAPPING.
 - NITROGEN STABILIZED ORGANIC AMENDMENT: 4 CU. YDS PER 1,000 SF.
 - PRE-PLANT TURF FERTILIZER (10-20-10 OR SIMILAR SLOW RELEASE ORGANIC): 15 LBS PER 1,000 SF.
 - CLAY BULFEST OR EQUAL, USE MANUFACTURERS RECOMMENDED RATE.
 - IRON SULPHATE: 2.1 LBS PER CU. YD.
 - 10-10-10 FERTILIZER (OR SIMILAR ORGANIC, SLOW RELEASE): 10 LBS PER CU. YD.
 - NITROGEN STABILIZED ORGANIC AMENDMENT: 4 CU. YDS PER 1,000 SF.
 - 10-10-10 FERTILIZER (OR SIMILAR ORGANIC, SLOW RELEASE): 10 LBS PER CU. YD.
 - CLAY BULFEST OR EQUAL, USE MANUFACTURERS RECOMMENDED RATE.
 - IRON SULPHATE: 2.1 LBS PER CU. YD.
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
 - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/- 1/2" OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTIONS ON TURF AREA AND PLANTING BED PREPARATION.
 - CONTRACTOR AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL FLOODING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELEVATIONS.
 - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED. TAKING INTO ACCOUNT THE ANALYSIS OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
 - ENSURE THAT THE FINISH GRADES PROVIDE THE ANCHOR OF SOIL AMENDMENTS TO BE ADDED TO OTHER WALKING SURFACES. AFTER INSTALLING SOIL AMENDMENTS, IS 6" BELOW THE ADJACENT FINISH SURFACE IN ORDER TO ALLOW FOR PROPER MULCH DEPTH. TAPER THE SURFACES TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 1" PER FEET AWAY FROM THE WALKS.
 - ENSURE THAT FINISH GRADES, AND SLOPES IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH SURFACE OF THE WALKS. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 1" PER FEET AWAY FROM THE WALKS.
 - IF SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE GENERAL CONTRACTOR, OWNER, OR OWNERS REPRESENTATIVE.
- ONCE SOIL PREPARATION IS COMPLETE, THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THERE ARE NO DEBRIS, BRACK, OR STONES LARGER THAN 1" REMAINING IN THE TOP 6" OF SOIL.

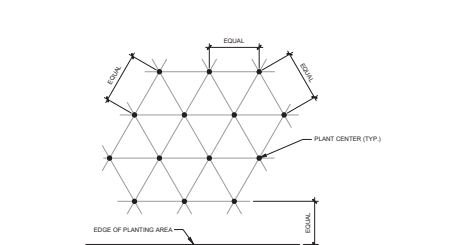
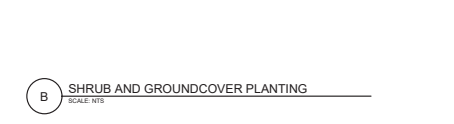
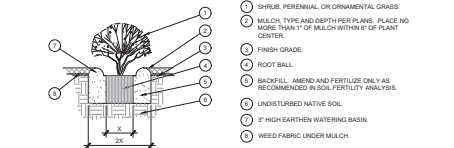
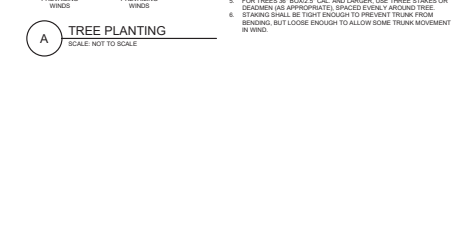
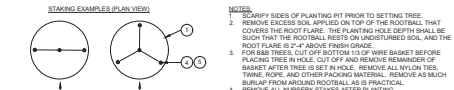
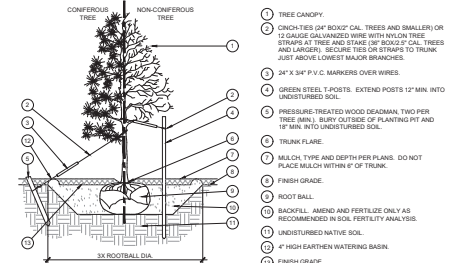
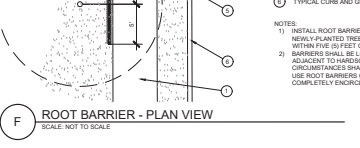
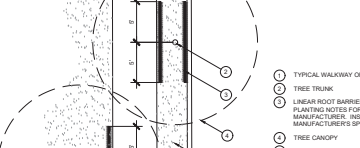
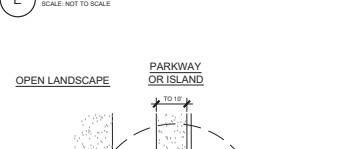
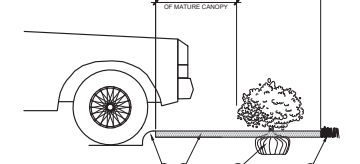
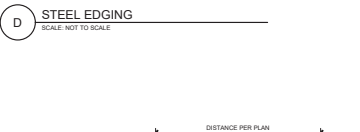
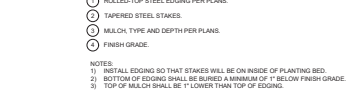
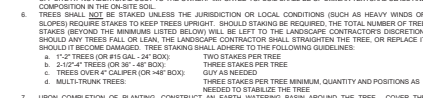
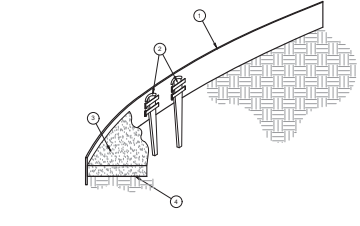
SUBMITTALS

- THE CONTRACTOR SHALL PROVIDE SUBMITTALS AND SAMPLES, IF REQUIRED, TO THE OWNER OR OWNERS REPRESENTATIVE, AND RECEIVE APPROVAL, WRITING FOR EACH SUBMITTAL BEFORE COMMENCEMENT.
- SUBMITTALS SHALL INCLUDE PHOTOS OF PLANTS WITH A RULER OR MEASURING STOK FOR SCALE, PHOTOS OR SAMPLES OF ANY REQUIRED MULCHES, AND SOIL TEST RESULTS AND PREPARATION RECOMMENDATIONS FROM THE TESTING LAB (INCLUDING COMPOST AND FERTILIZER TYPES AND TYPES, AND OTHER AMENDMENTS FOR TREE/SHRUB TURF, AND AREAS AS APPROPRIATE).
- SUBMITTALS SHALL ALSO INCLUDE MANUFACTURER CUT SHEETS FOR PLANTING ACCESSORIES SUCH AS TREE STAKES AND BARK MULCH. THESE ITEMS SHOULD BE APPLICABLE TO THE PROJECT.
- WHERE MULTIPLE ITEMS ARE SHOWN ON A PAGE, THE CONTRACTOR SHALL CLEARLY INDICATE THE ITEM BEING CONSIDERED.

C. GENERAL PLANTING

- GENERAL NURSERY TAGS AND STAKES FROM CONTRACTOR.
- EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, APPLY PRE-EMERGENT HERBICIDES AT THE MANUFACTURERS RECOMMENDED RATE.
- POSITION THE TREES AND SHRUBS IN THEIR INTENDED LOCATION AS PER THE PLAN, NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY.

REPRESENTATIVE FOR INSPECTION AND APPROVAL OF ALL POSITIONING OF PLANT MATERIALS.



PLANT SPACING

SCALE: NOT TO SCALE

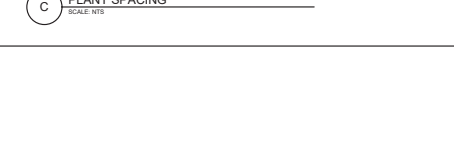
NOTE: ALL PLANTS SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING EXCEPT WHERE SHOWN ON PLANS AS NON-EQUAL GROUPINGS. REFER TO PLANT LEGEND FOR SPACING DISTANCE BETWEEN TREES AND BETWEEN TREES AND CURB/UTILITY.

PLANT SPACING	AREA PLANTS	PLANT SPACING	AREA PLANTS
6"	0.22	18"	0.56
12"	0.60	24"	0.81
36"	2.25	36"	1.13

STEP 1: DETERMINE TOTAL PLANTS FOR THE AREA WITH THE FOLLOWING FORMULA:
 TOTAL AREA DIVIDED BY TOTAL PLANTS

STEP 2: SUBTRACT THE ROW(S) OF PLANTS THAT WOULD OCCUR AT THE EDGE OF THE PLANTED AREA WITH THE FOLLOWING FORMULA: TOTAL PERMITS LENGTH PLANT SPACING + TOTAL PLANT SUBTRACTION

EXAMPLE: PLANTS AT 18" O.C. IN 100 SF PLANTING AREA, 14' PERIMETER
 TOTAL: 100 SQ. FT. DIVIDED BY PLANTS AT 18" O.C. = 100 / 1.13 = 88 PLANTS
 STEP 1: 88 PLANTS - (40' L.P. + 14' P. - 21 PLANTS) = 30 PLANTS TOTAL



Owner

Project Name
GROCERY OUTLET
 GROCERY GROVE BLVD.
 ROSEVILLE, CA

LANDSCAPE PLANTING DETAILS & SPECS

Date	Comment
10/22	ENTIREMENT COPY 2

Project Number

Date: 01-13-23

Drawn by: BR

Checked by: BR/RRM

LP-2



Owner

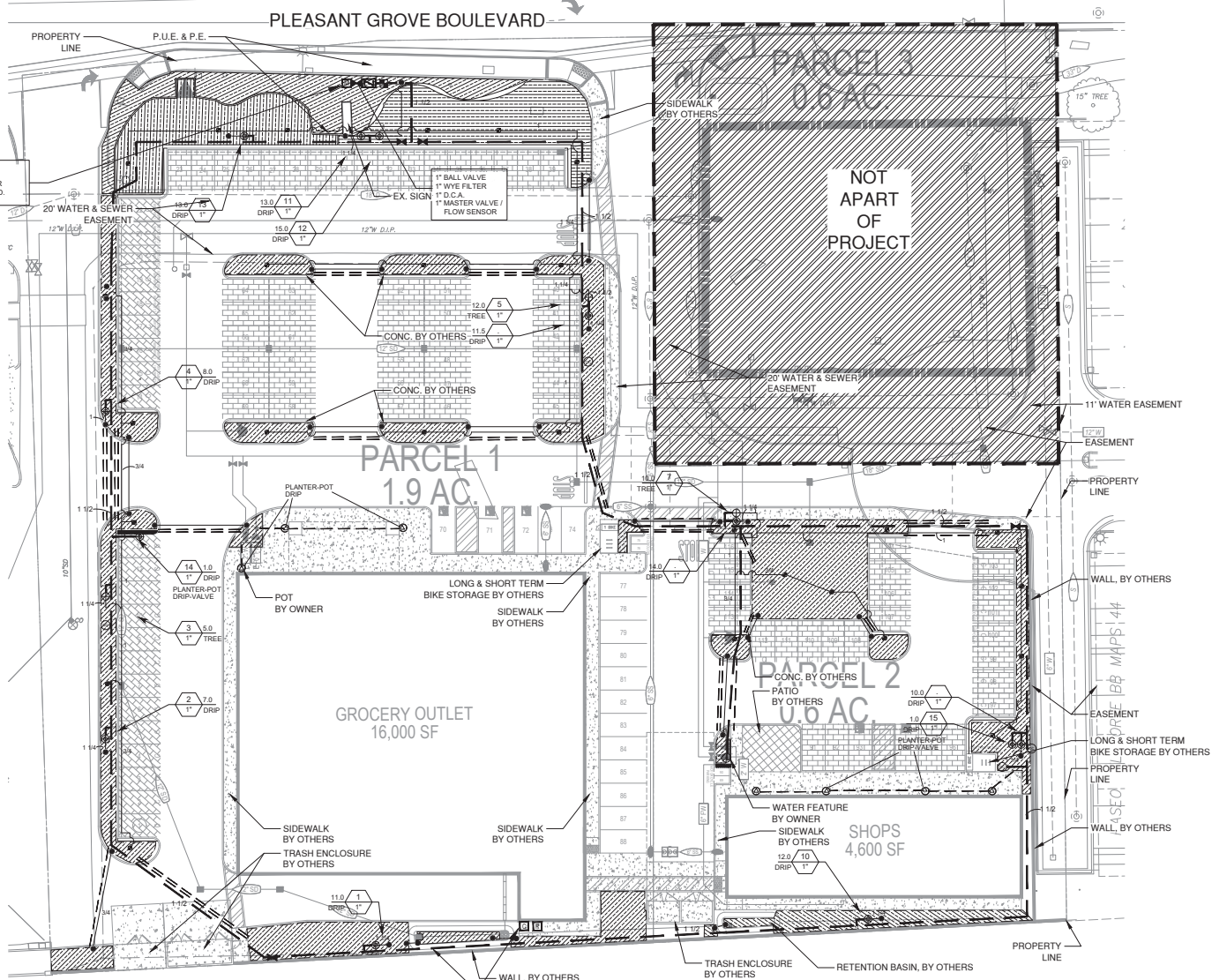
GROCERY OUTLET
PLEASANT GROVE BLVD.
ROSEVILLE, CA

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 DIAGRAMMATIC. 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

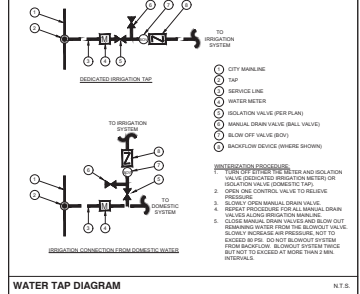
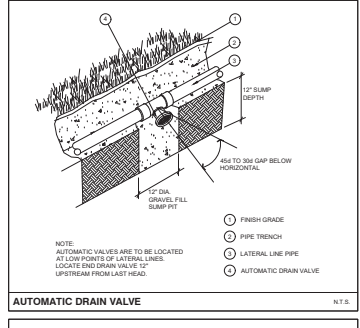
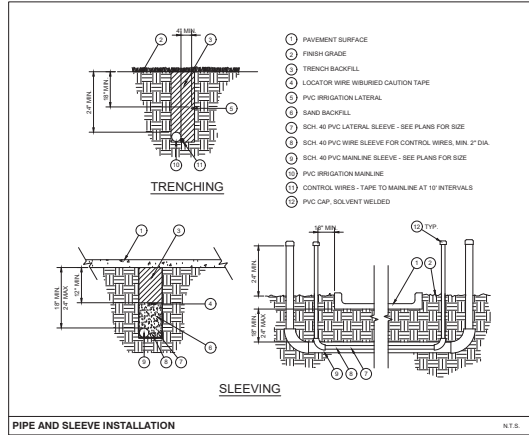
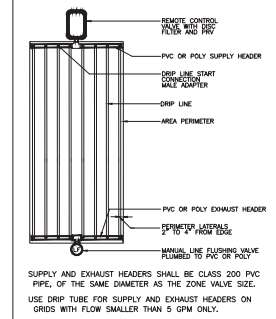
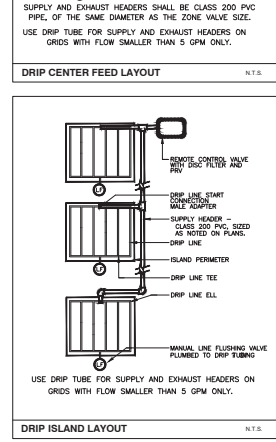
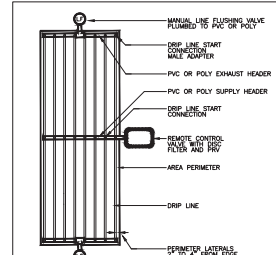
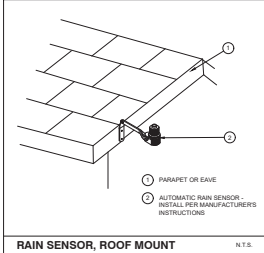
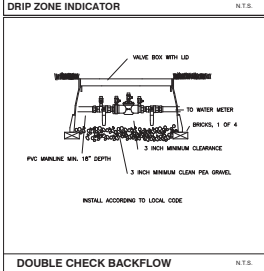
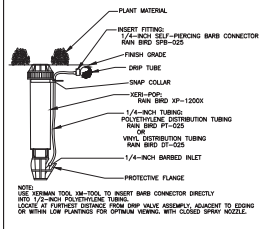
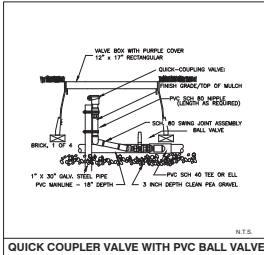
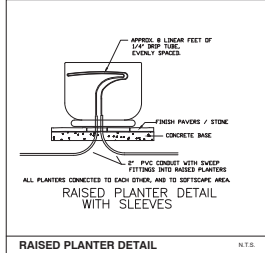
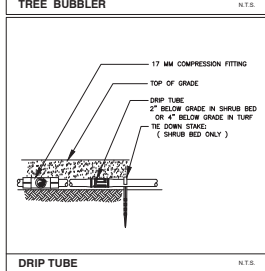
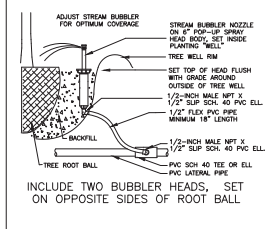
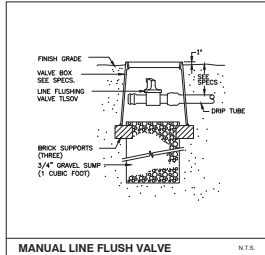
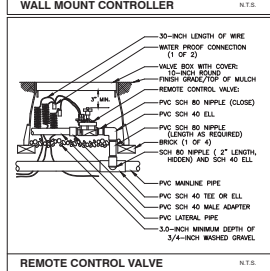
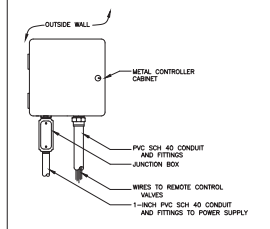
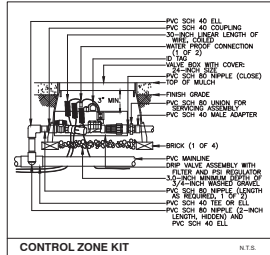
Project Name
GROCERY OUTLET
PLEASANT GROVE BLVD.
ROSEVILLE, CA

IRRIGATION DETAILS

Date	Comment
10/22	ENTIREMENT CYCLE 2

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

LI-2



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.
 - SCOPE OF WORK
 - WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, TOOLS, ETC. 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. A NOTICE OF COMPLIANCE BETWEEN THESE PERMITS AND LOCAL ANNUAL STATE CODES, CODES SHALL BE PRELIMINARY.
 - DESIGN OF THE IRRIGATION SYSTEM IS TO PROVIDE UNIFORM COVERAGE 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.

- PRODUCTS**
- ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF ANY TYPE AND SHALL BE THE BEST OF THEIR CLASS AND KIND. ALL MATERIALS SHALL HAVE A MINIMUM GUARANTEE OF 1 YEAR. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF ANY TYPE AND SHALL BE THE BEST OF THEIR CLASS AND KIND. ALL MATERIALS SHALL HAVE A MINIMUM GUARANTEE OF 1 YEAR. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF ANY TYPE AND SHALL BE THE BEST OF THEIR CLASS AND KIND. ALL MATERIALS SHALL HAVE A MINIMUM GUARANTEE OF 1 YEAR.
 - BACKFLOW PREVENTION DEVICES SHALL BE OF THE TYPE AND SIZE INDICATED ON THE DRAWINGS. INSTALL BACKFLOW PREVENTION DEVICES SHALL BE OF THE TYPE AND SIZE INDICATED ON THE DRAWINGS. INSTALL BACKFLOW PREVENTION DEVICES SHALL BE OF THE TYPE AND SIZE INDICATED ON THE DRAWINGS. INSTALL BACKFLOW PREVENTION DEVICES SHALL BE OF THE TYPE AND SIZE INDICATED ON THE DRAWINGS.
 - PIPING
 - PRESSURE SUPPLY LINES, DOWNSTREAM OF THE POINT-OF-CONNECTION SCHEDULE AS PER PIPE TABLE TO 2.5" AND 3.0" PVC.
 - CLASS 200 PVC FOR ALL MAINS, 1" AND 1.5" LARGER.
 - CLASS 200 PVC FOR ALL MAINS, 1" AND 1.5" LARGER.
 - CLASS 200 PVC FOR ALL MAINS, 1" AND 1.5" LARGER.
 - VALVES AND DRIP VALVE ASSEMBLIES, TYPE AND SIZE AS NOTED ON PLANS. EACH VALVE SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF ANY TYPE AND SHALL BE THE BEST OF THEIR CLASS AND KIND. ALL MATERIALS SHALL HAVE A MINIMUM GUARANTEE OF 1 YEAR. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF ANY TYPE AND SHALL BE THE BEST OF THEIR CLASS AND KIND. ALL MATERIALS SHALL HAVE A MINIMUM GUARANTEE OF 1 YEAR.

- METHODS**
- 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.
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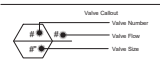
ZONE PRESSURE LOSS CHART

ZONE #	ZONE OFM	ZONE TYPE	PSI LOSS AT W/TER METER	PSI LOSS AT BACKFLOW	PSI LOSS AT MASTER VALVE	PSI LOSS AT MAINLINE	PSI LOSS AT ZONE 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	49.94	5.06
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 RD00800 1/4" DRIP TUBE PLACED IN AN EVENLY SPACED SERIAL AT 2' x 2' PLANTER. SEE INSTALLATION NOTE #N6 REGARDING TREE BUBBLER LATERAL PIPE.
 - 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 XCC-100-PRB-COM / 150-PRB-COM SERIES AUTOMATIC DRIP VALVE ASSEMBLY WITH 40 PSI PRESSURE REGULATOR XCC-100-PRB-COM - 1" BALL VALVE WITH 1" PESS VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.5GPM TO 20GPM.
 - XCC-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 VALVE. SEE INSTALLATION NOTE #N6 REGARDING TREE BUBBLER LATERAL PIPE.
 - RAIN BIRD PER SERIES SEE INSTALLATION NOTE #N6 REGARDING TREE BUBBLER LATERAL PIPE.
 - 1.1/2" - 1.2" 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 MOUNTED IN STRONGBOX 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 ESP10LMEF SERIES AUTOMATIC WALL MOUNT CONTROLLER WITH ONE ESP10M21 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	
HORIZONTE / 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
TOTALS				14613	5412
					117781
SPECIAL LANDSCAPE AREAS					
NONE				0	0
				0	0
TOTALS				0	0
					117781
					ETWU TOTAL
					146134
					MAXIMUM ALLOWED WATER ALLOWANCE (MAWA)[‡]

- 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



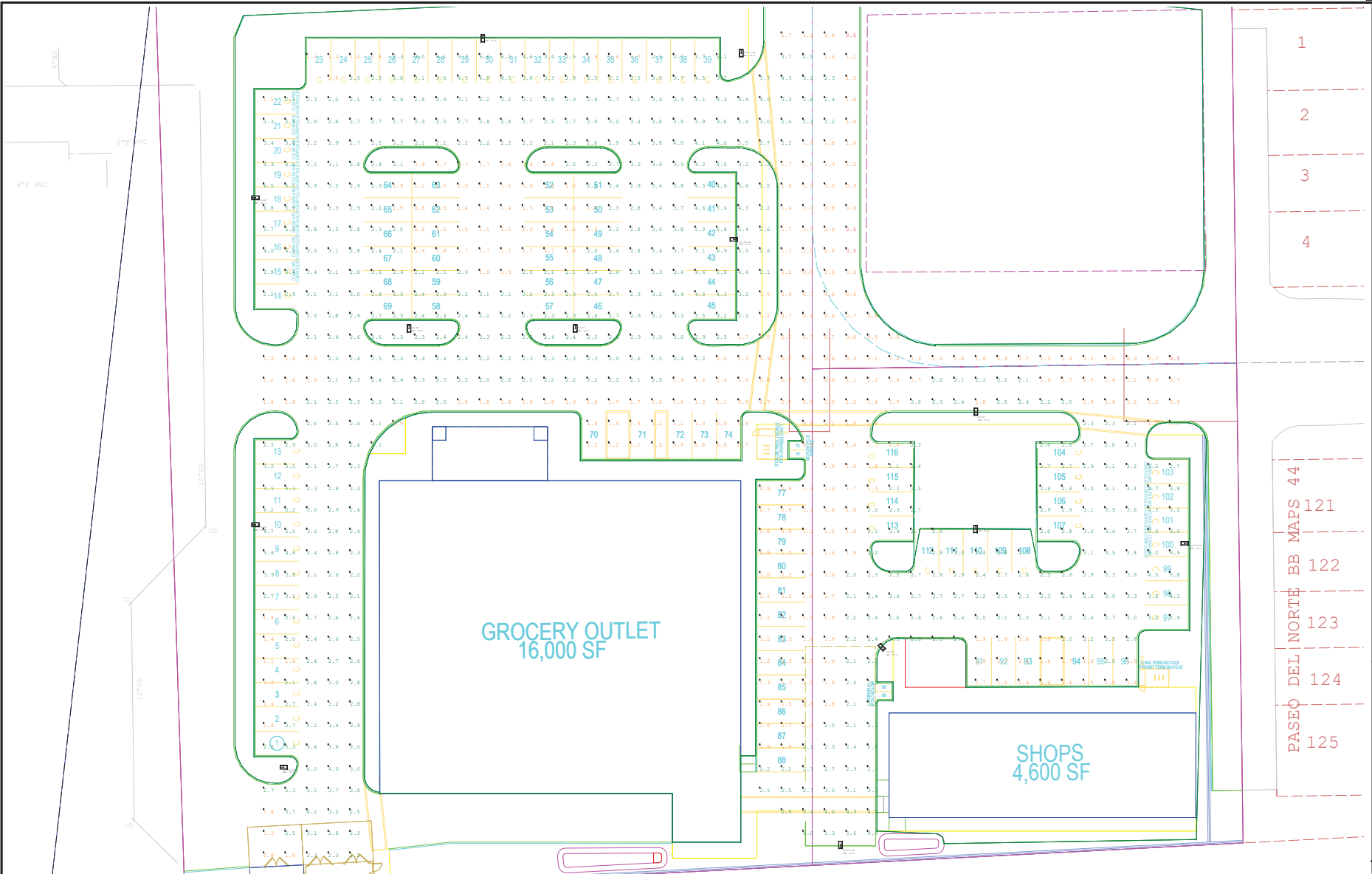
Head Office
400 S. Record St.
Dallas, TX 75202

Exterior Layout

GROCERY OUTLET
West Roseville, CA

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

L01



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

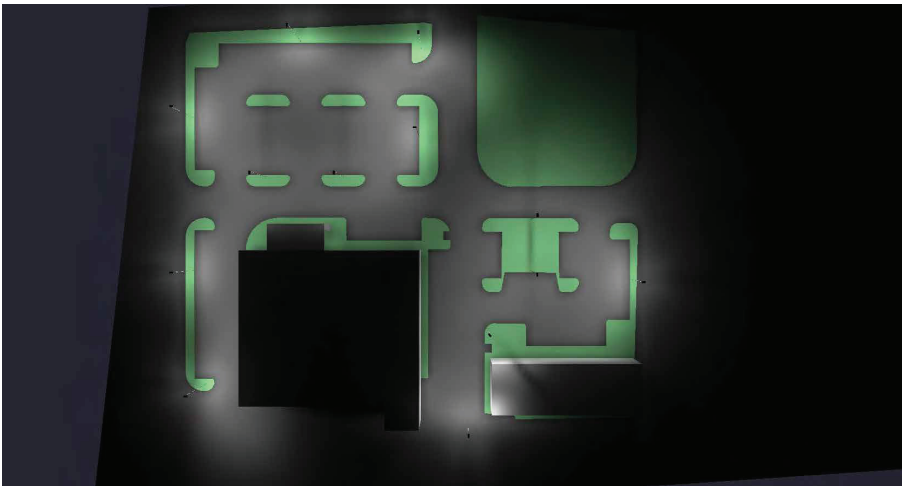
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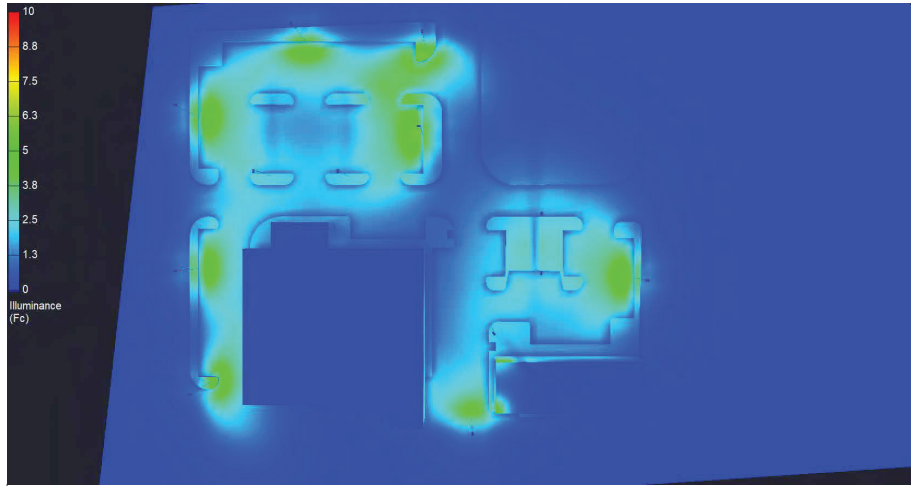
Head Office
400 S. Record St.
Dallas, TX 75202

CLIENT
GROCERY OUTLET
ADDRESS
West Roseville, CA

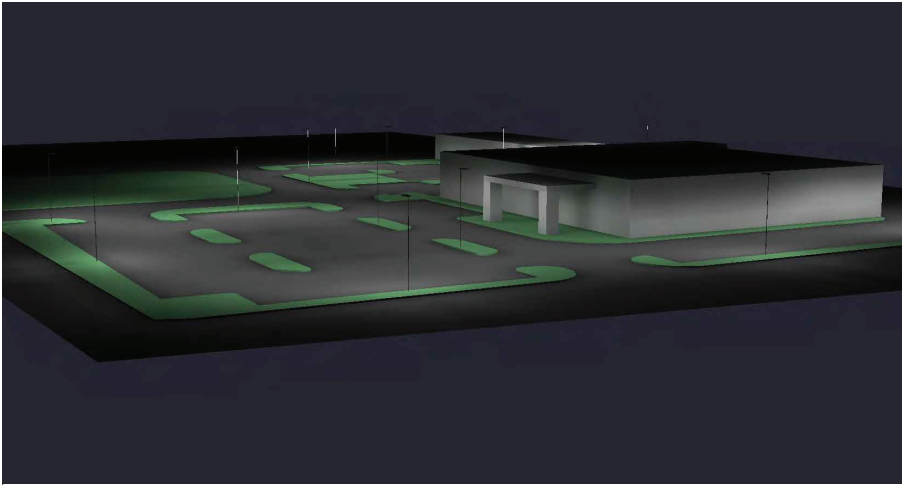
SHEET
Exterior Layout



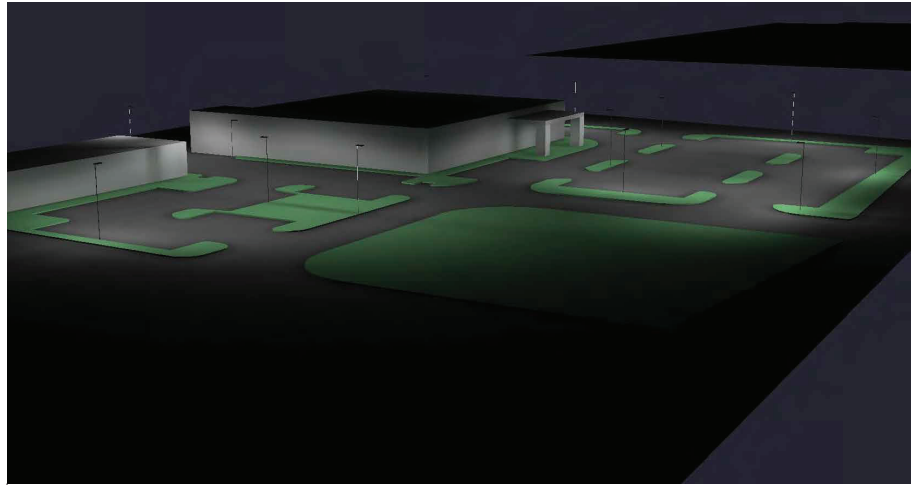
Plan View Grayscale



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: 1

2. SEISMIC IMPORTANCE FACTOR: 1.0

3. DESIGN CATEGORY: 1

4. WIND SPEED: 91 MPH

5. WIND EXPOSURE: C

GENERAL REQUIREMENTS

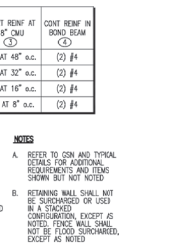
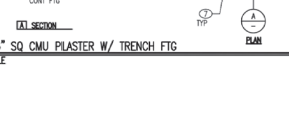
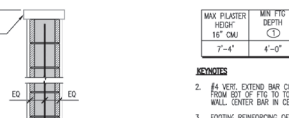
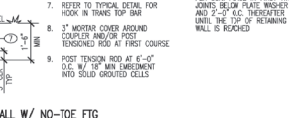
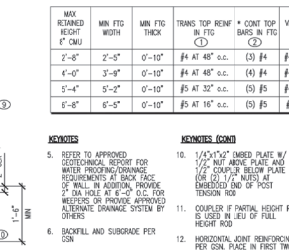
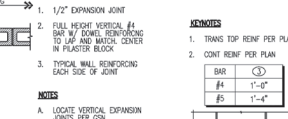
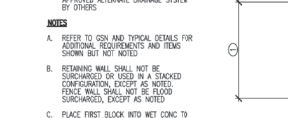
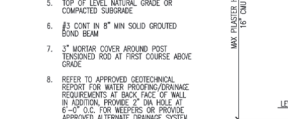
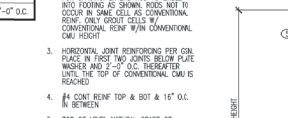
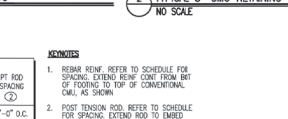
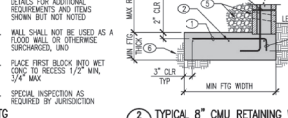
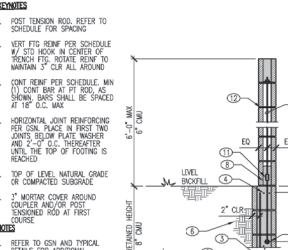
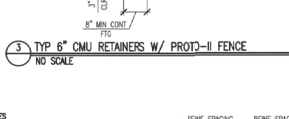
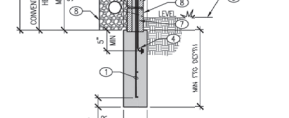
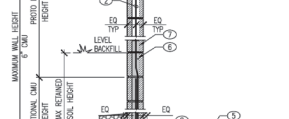
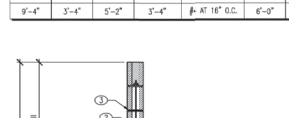
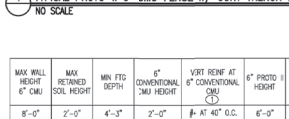
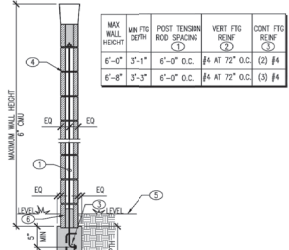
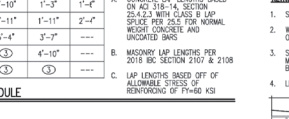
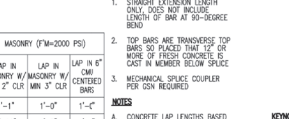
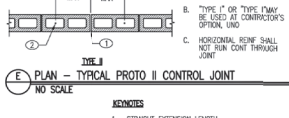
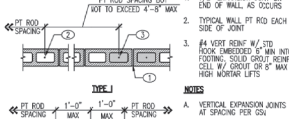
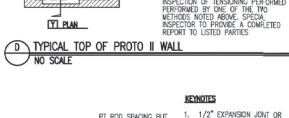
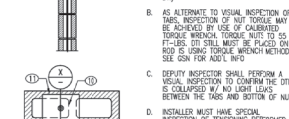
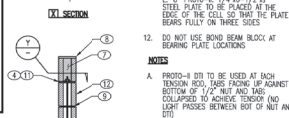
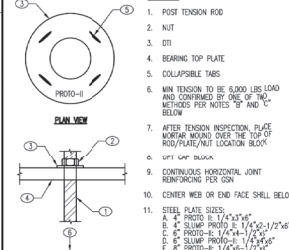
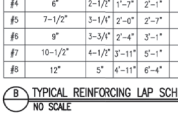
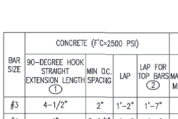
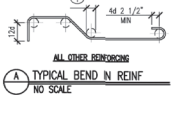
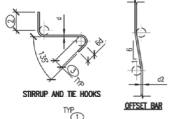
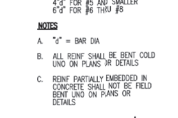
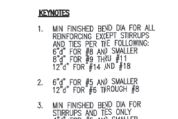
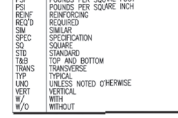
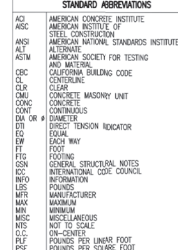
1. THESE REQUIREMENTS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND SKILL. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL REQUIREMENTS BY PROFESSIONAL CONSULTANTS PRACTICING IN THE SAME FIELD AS THE SAME TYPE OF WORK.

2. CONTRACTOR SHALL ASSURE THAT ALL WORK IS DONE IN ACCORDANCE WITH THE LATEST EDITION OF ALL APPLICABLE CODES, STANDARDS AND REQUIREMENTS AND INDUSTRY ACCEPTED PRACTICES AND METHODS.

3. CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD CODE PRACTICES FOR ALL WORK NOT EXPLICITLY SHOWN.

- REINFORCING**
- REINFORCING STEEL SHALL CONFORM TO ASTM A618, WELDABLE REINFORCING STEEL SHALL BE GRADE 60.
 - LATEST AISC DETAILING MANUAL, A118 AND CRSI REINFORCING CONCRETE DESIGN (RCD) SHALL BE USED FOR REINFORCING, DETAILING, AND PLACING.
 - REFER TO TYPICAL WALL INTERSECTION DETAIL FOR REINFORCING REQUIREMENTS AT WALL AND FOOTING INTERSECTIONS.
 - REFER TO LAP SCHEDULE FOR MINIMUM OLC.
 - SPACING LAP SPACING IN CONCRETE AND MASONRY AND REINFORCING LAP SPACING SHALL BE A MINIMUM OF 12" LAP LENGTHS.

- CONVENTIONAL MASONRY**
- HOLLOW, MEDIUM-WEIGHT, LOAD BEARING CONSTRUCTION CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90. AN MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI SHALL BE USED IN ALL CONSTRUCTION UNITS. HEIGHT SHALL BE 4" OR GREATER.
 - GROUT SHALL CONFORM TO ASTM C 110. MINIMUM COMPRESSIVE STRENGTH SHALL BE 3000 PSI. HOLD DOWN BOLTS SHALL BE PLACED IN MASONRY BLOCK CONSTRUCTION UNITS AT 48" ON CENTER.
 - MORTAR SHALL CONFORM TO ASTM C 270.2 AND C 270.3. TYPE M SHALL BE USED IN ALL CONSTRUCTION UNITS.
 - NET AREA REINFORCING CONCRETE SHALL BE (7/16) 200 PSI MIN. PER THE UNIT SPACING METHOD.
 - THICKNESS OF BED JOINTS SHALL NOT EXCEED 3/8".
 - REINFORCING STEEL SHALL BE FULLY ENGRAINED AS ALL CELLS BELOW GRADE.
 - MASONRY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO REINFORCING, DETAILING AND PLACING, SHALL CONFORM TO ALL APPLICABLE CODES, STANDARDS AND REQUIREMENTS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL REQUIREMENTS BY PROFESSIONAL CONSULTANTS PRACTICING IN THE SAME FIELD AS THE SAME TYPE OF WORK.



REVISIONS

NO.	DESCRIPTION	APPROVED	DATE

SCALE:

HORIZ. 1" = N/A

VERT. 1" = N/A

COMPUTED

DESIGNED

DRAWN

PROJ. ENGR.



REVISIONS

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MORTON & PITALO, INC.
 CIVIL ENGINEERING • LAND PLANNING • LAND SURVEYING
 Folsom • Fresno
 600 Coolidge Drive, Suite #140
 Folsom, CA 95630
 phone: (916) 984-7621
 www.mortonpitalo.com

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

DATE: MARCH 23, 2023

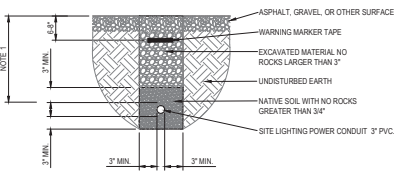
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OF: 1

ELECTRICAL SPECIFICATIONS:

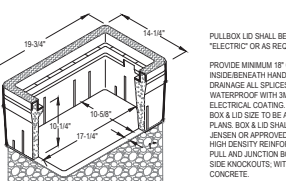
REVISED: 2023-02-21

- 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.
- 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.
- DRAWINGS ARE DIAGNOSTIC 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.
- UNLESS INSTRUCTED OTHERWISE, THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, LICENSES, FEES, PLAN REVISIONS AND INSPECTIONS IN CONNECTION WITH THIS WORK.
- 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.
- PROVIDE ELECTRICAL SUBMITTALS AND SHOP DRAWINGS FOR ALL SYSTEMS FOR REVIEW AND APPROVAL. ELECTRICAL 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 SWITCHGEAR, PANELBOARDS, TRANSFORMERS, CONDUITS, CONDUCTORS, FITTINGS, CONNECTIONS, 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.
- 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. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PAYMENT OF ALL COSTS INCURRED BY THE OWNER FOR 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.
- 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 REVISIONS MUST BE SHOWN IN RED TO INDICATE CONSTRUCTION PROGRESS AND DEVIATIONS FROM DRAWINGS. PROVIDE PDF SCAN OF CLEARLY MARKED CONSTRUCTION RECORD DRAWINGS AS PART OF CLOSEOUT DOCUMENTATION.
- 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 1/8" X 1/2" OR 1" LETTERS AS SHOWN ON APPROVED SUBMITTALS. COMPLY WITH ANS I3.1, ANSI Z39.4, NFPA 70 AND NFPA 72E.
- MATERIALS AND EQUIPMENT SHALL BE NEW CURRENT MODELS AND BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
- 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.
- 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.
- 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 SLEEVES OF WIRING IS TO BE AS HIGH AS POSSIBLE. UNDERGROUND CONDUCTORS SHALL BE WATER-TIGHT USING 3M OR APPROVED EQUAL. FEEDER CONDUCTORS MAY BE ALUMINUM WHEN APPROVED IN SUBMITTALS AND SHOWN ON DRAWINGS.
- UNDERGROUND PULL BOXES SHALL BE OF SIZE AND TYPE REQUIRED BY AHJ INCLUDING CONCRETE FULLED. OTHERWISE LID SHALL BE TAMPERPROOF TYPE, AND MINIMUM BOX SIZE IS TO BE AS NOTED. HOWEVER, MINIMUM DIMENSIONS IF REQUIRED DUE TO INSTALLATION CONFIGURATION AND NEC 314.28. 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 IF SLEEPING IS PROVIDED FOR ELECTRICAL USE, BUT ALIGNED DUE TO EXISTING SLEEVE LOCATION AND/OR DEPTH. LOCATE UNDERGROUND PULLBOXES A MINIMUM OF 6" FROM PEDESTRIAN PATHWAYS AND DRIVEWAYS, UNLESS NOTED OR DIRECTED OTHERWISE.
- 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.
- 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) 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 ASTROMONIC THEOLOGONS AND PHOTOCLOCKS.
- 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.
- 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.
- THESE DRAWINGS ARE SUBJECT TO REVIEW AND APPROVAL BY THE AUTHORITIES HAVING JURISDICTION.
- 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.
 - 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

NO SCALE
NOTE: PULLBOXES IN TRAFFIC AREAS MUST BE TRAFFIC RATED

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	MCH	MECHANICAL
BLDG	BUILDING	MH	MANHOLE
-B-	BUILDING	MM	MINIMUM
-C-	CONDUIT	MTD	MOUNTED
C	DEGREE CELSIUS	MTG	MOUNTING
CAB	CABINET	NEUT	NEUTRAL
CB	CIRCUIT BREAKER	NC	NORMALLY CLOSED
CK	CIRCUIT	NO	NORMALLY OPEN
CL	CENTER LINE	NTS	NOT TO SCALE
CTRL	CONTROL	OC	ON CENTER
CD	CONDUIT ONLY	OD	OUTSIDE DIAMETER
COMM	COMMUNICATION	-P-	POLE
CONT	CONTINUATION	P	PULL BOX
CT	CURRENT TRANSFORMER	PH	PHASE
CU	COPPER	PNL	PANEL
DC	DEDICATED OUTLET	PWR	POWER
DA	DIAMETER	RECP	RECEPTACLE
DISC	DISCONNECT	REQ	REQUIRED
DN	DOWN	RLA	RATED LOAD AMPS
DP	DISTRIBUTION PANELBOARD	RM	ROOM
DWG	DRAWING	-S-	SCHEDULE
E	EACH	SECT	SEPARATE CIRCUIT SECTION
EA	ELECTRICAL CLOSET	SN	SOLID NEUTRAL
DA	DAMETER	SCW	SCOPE OF WORK
ELEV	ELEVATION	SP	SERVICE PEDESTAL
ELEC	ELECTRICAL	SPEC	SPECIFICATION
EM	EMERGENCY	SWGR	SWITCHGEAR
EQUIP	EQUIPMENT	SYM	SYMMETRICAL
EX (E) EXISTING	EXTERIOR	SYS	SYSTEMS
F	DEGREE FAHRENHEIT	TBC	TO BE CONFIRMED
FA	FIRE ALARM	TEMP	TEMPERATURE
FDR	FEDDER	TY	TYPE
FL	FULL LOAD AMPS	UF	UNFUSED
FLA	PANEL	UNL	UNLESS NOTED OTHERWISE
FTA	FEET OR FOOT	VA	VOLT AMPERE
FVR	FULL VOLTAGE NON-REVERSING	VA	VOLT OR VOLTAGE
G	GROUND	VFD	VARIABLE FREQUENCY DRIVE
GI	GROUND FAULT INTERRUPTING	VM	VOLTIETER
GR	GROUND FAULT INTERRUPTING	VP	VAPORPROOF
H	HAND HOLE	-W-	WATT
HI	HIGH VOLTAGE	WC	WATER COOLER
HV	HIGH VOLTAGE	WF	WATER FLOW SWITCH
HERTZ	HERTZ	WHM	WATT HOUR METER
IC	IRRIGATION CONTROLLER	WP	WEATHERPROOF
ID	INSIDE DIAMETER	WT	WATER TIGHT
I	ISOLATED GROUND	-X-	XP EP EXPLOSION PROOF
J	JUNCTION BOX	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.
KCM	THOUSAND CIRCULAR MILS		
KV	KILOVOLT		
KVA	KILOVOLT AMPERE		
KW	KILOWATT		
KWH	KILOWATT HOUR		
KWHM	KILOWATT HOUR METER		

ABBREVIATIONS

NO.	DESCRIPTION	APPROVED	DATE	DATE

SCALE:	BENCH MARK	CITY B.M. 125
HORIZ. 1" = 30'	ELEV=126.60 (NAVD 88)	
VERT. 1" = N/A	3 1/2" BRASS DISK STAMPED 2019 PLS 8278, LOCATED ON THE SOUTH SIDE OF PLEASANT GROVE BLVD. APPROX. 300 FEET EAST OF THE CENTERLINE OF FIDEMENT ROAD AT THE TOP OF THE CURB WITHIN THE BUS TURNOUT IN FRONT OF THE BUS SHELTER PAD.	

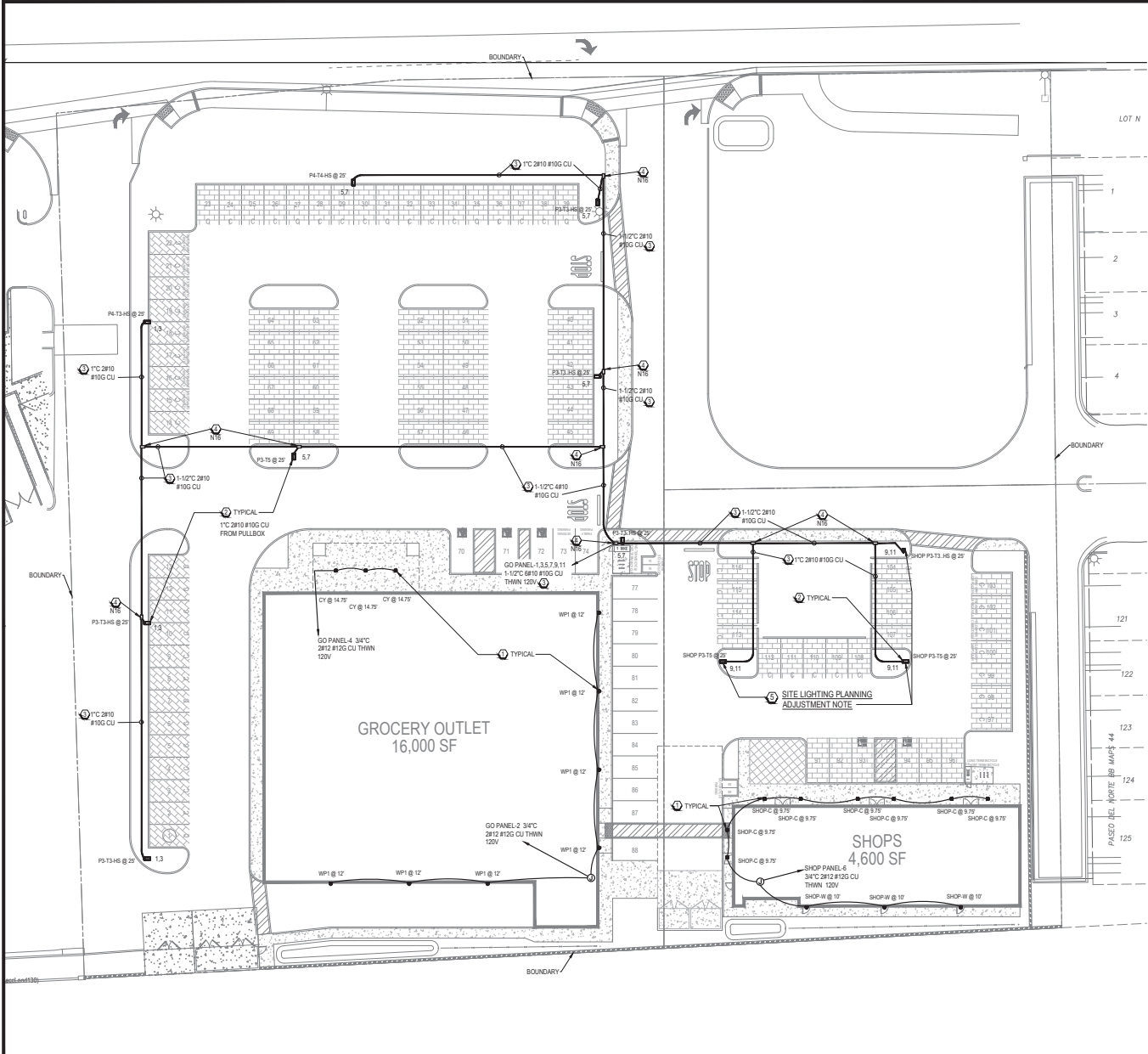
COMPUTED	-
DESIGNED	JDT
DRAWN	JDT
PROJ. ENGR.	JDT

CES ENGINEERING, INC.
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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



DATE	MAR 23, 2023
SHEET	E0
OF	7



V-DROP SCHED. PANEL
 PANEL PROVIDED UNDER SEPARATE PERMIT

DESCRIPTION	OCT	BKR	P	LTS	REC	MISC	A-V-A		EST CKT LENGTH	WIRE GAUGE	% VOLT DROP	AMPS
							A-V-A	B-V-A				
LIGHTING POLES GO WEST	1	20	2	3			245	245	700	#10	1.46%	2.0
LIGHTING POLES GO NORTH	5	20	2	5			305	305	550	#10	1.84%	3.3
LIGHTING POLES GO EAST	9	20	2	3			225	225	395	#10	0.86%	1.9
WALL PACKS GO EAST & SOUTH	2	20	1	7			245	245	275	#12	1.77%	2.0
CANOPY GO NORTH	4	20	1	3			315	315	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	550	81			0.0
							1425	1425	845			0.0

Total Connected VA: 2,371 Total VA per phase: 1425
 Total Connected AMPS: 11 Total AMPS per phase: 8
 25% of Long Continuous Load: 377
 25% of Largest Motor: 0 Total Calculated VA: 2,748
 Less 50% +10kVA of 180VA Receptacles: 0 Total Calculated AMPS: 13

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

SITE LIGHTING GENERAL NOTES:

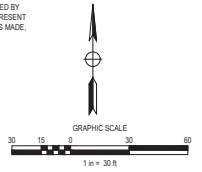
- FOR GROCERY OUTLET BUILDING EQUIPMENT IS SUBJECT TO REVIEW AND APPROVAL BY GROCERY OUTLET INTERIOR AND EXTERIOR LIGHTING DESIGNER. CITY ELECTRIC SUPPLY (DAN WILKIN 861-310-3000/DAN.WILKIN@CITYELECTRICSUPPLY.COM)
- FOR SHOPS BUILDING EQUIPMENT IS SUBJECT TO REVIEW AND APPROVAL BY SHOPS INTERIOR AND 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" DEPTH 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" BASS BRASS DISK 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.

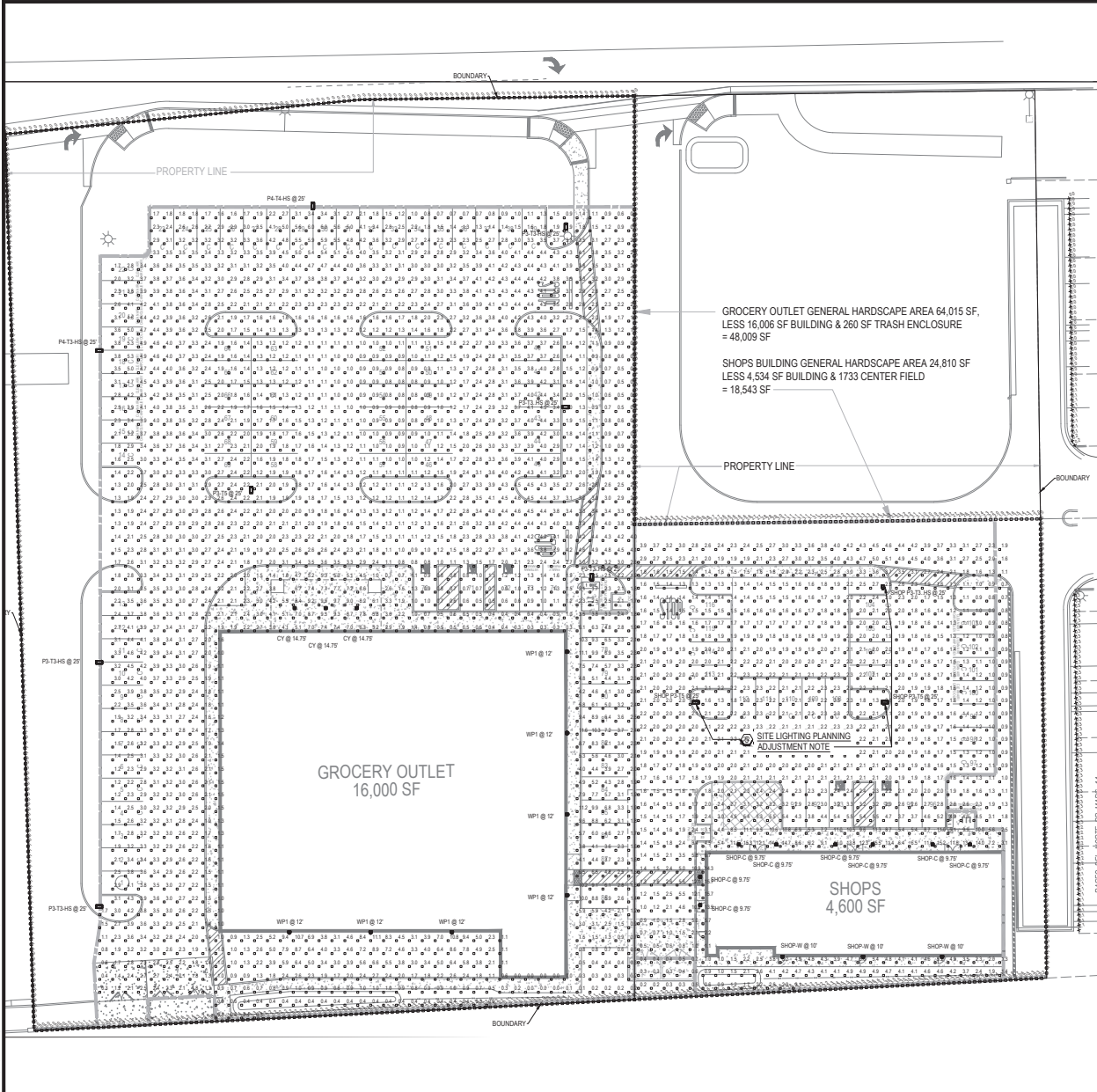
COMPUTED	DESIGNED	DRAWN	PROJ. ENGR.
-	JDT	RC	JDT

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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				Color		Power	
□	CY		3				1	3587	0.9	28.5173	
□	P3-T3..HS		2	Lithonia Lighting	RSX2 LED P3 40K-R3 HS	RSX 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	RSX 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	RSX Area Fixture Size 3 P3 Luminaire Package 4000K CCT Type RS Distribution BS-UG-G3	1	22316	0.85	149.98	
□	P4-T3-HS		1	Lithonia Lighting	RSX2 LED P4 40K-R3 HS	RSX 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	RSX 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-R3 CRV VV	W02E2 LED WITH P4 - PERFORMANCE PACKAGE 4000K, 80CRI, VISUAL COMFORT (W02E2 OPTIC: B1-UG-G1, 90CRI version is B1-UG-G2)(4200K)	1	4528	0.9	34.95	
□	SHOP P3-T3..HS		1	Lithonia Lighting	RSX2 LED P3 40K-R3 HS	RSX 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	RSX 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	RSX Area Fixture Size 2 P3 Luminaire Package 4000K CCT Type RS Distribution BS-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-R3 CRV T3M	W02E2 LED WITH P3 - PERFORMANCE PACKAGE 4000K, 80CRI, TYPE 3 MEDIUM OPTIC B1-UG-G1 (4200K)	1	3623	0.9	32.1375	

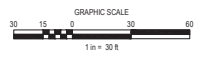
PHOTOMETRIC NOTES:

- 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 (G) LIGHT POLES NORTH OF SHOPS BUILDING, REFERENCED BY THIS NOTE, AND SHOWN AS ZSTF, 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%	0.9%	N/A	N/A
Property Line (G) South (Overhead)	○	0.4%	1.7%	0.0%	N/A	N/A
Property Line (G) West (CRV residential)	○	0.1%	0.2%	0.0%	N/A	N/A
Property Line (G) East (Residential)	○	0.4%	1.0%	0.0%	N/A	N/A
Property Line (G) South (Residential C/L)	○	2.8%	3.5%	1.0%	3.5%	2.8%
Property Line (G) South (Overhead)	○	2.1%	3.7%	0.1%	37.0%	21.0%
Footcandle LOTS 1-4	+	0.0%	0.2%	0.0%	N/A	N/A



NO.	DESCRIPTION	APPROVED	DATE	DATE

SCALE:	BENCH MARK	CITY B.M. 125	COMPUTED	-
HORIZ. 1" = 30'	ELEV=126.60 (NAVD 88)		DESIGNED	JDT
VERT. 1" = N/A	3" BASS BRASS DISK 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 WITH THE BUS TURNOUT IN FRONT OF THE BUS SHELTER PAD.		DRAWN	RC
			PROJ. ENGR.	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
 SITE PHOTOMETRIC PLAN
 1751 PLEASANT GROVE BOULEVARD
 ROSEVILLE, CALIFORNIA



DATE	MAR 23, 2023
SHEET	E2
OF	7

GROCERY OUTLET



RSX2 LED Area Luminaire

Specifications
 EPA (90%) 0.69 ft (0.06 ft)²
 Length: 29.3" (74.6 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.6" (9.1 cm) Main Body
 7.2" (18.3 cm) Arm
 Weight: 30.0 lbs (13.6 kg)

Introduction
 The new RSX LED Area Family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adapter, adjustable integral splitter and other mounting configurations are available.

Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOIT SPA DBXD

RSX2 LED	Performance	Color	Mounting	Accessories	Notes
RSX2 LED P6 40K R3 MVOIT SPA DBXD	P6	40K	R3	MVOIT SPA	Standard mounting (3" x 3" hole) for 1.14 x 1.14 x 1.14 ft (0.35 x 0.35 x 0.35 m) grid

Accessories

Accessories	Part Number	Description
Round Iron Mount - Pole Top Splitter	RSX2-IRMT	Round iron mount with pole top splitter
Drill/Side Location by Configuration Type	RSX2-DRILL	Drill/side location by configuration type
RSX2 - Luminaire EPA	RSX2-EPA	RSX2 luminaire with integral mounting arm
RSX2 - Mast Arm Adapter (MA)	RSX2-MA	Mast arm adapter for 1.14 x 1.14 x 1.14 ft (0.35 x 0.35 x 0.35 m) grid
RSX2 - Adjustable Splitter (IS)	RSX2-IS	Adjustable splitter for 1.14 x 1.14 x 1.14 ft (0.35 x 0.35 x 0.35 m) grid

Ordering Information

Accessories

NOTE: See technical literature for details. RSX2 LED luminaire is not for use in wet or damp locations. RSX2 LED luminaire is not for use in hazardous locations. RSX2 LED luminaire is not for use in Class II, Class III, or Class I, Group C locations. RSX2 LED luminaire is not for use in Class I, Group D locations. RSX2 LED luminaire is not for use in Class II, Class III, or Class I, Group C locations. RSX2 LED luminaire is not for use in Class I, Group D locations. RSX2 LED luminaire is not for use in Class II, Class III, or Class I, Group C locations. RSX2 LED luminaire is not for use in Class I, Group D locations.



Pole/Mounting Information

Accessories including bottom, cross arm and other adapters are available under the accessories list at Lithonia's Outdoor Pole and Arm product page. Click here to visit Accessories.

ROUND IRON MOUNT - POLE TOP SPLITTERS

Mounting Type	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
1.14"	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14

DRILL/SIDE LOCATION BY CONFIGURATION TYPE

Mounting Type	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
1.14"	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14

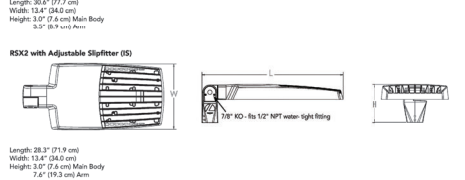
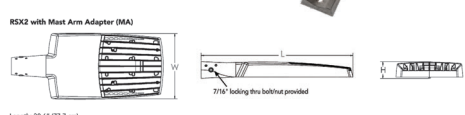
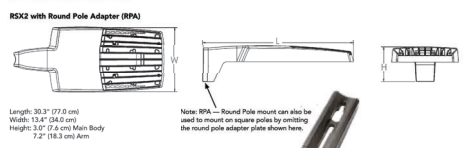
RSX2 - Luminaire EPA

Mounting Type	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
1.14"	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14

Dimensions & Weights

Luminaire Weight by Mounting Type

Mounting Type	Weight
Standard	30.0 lbs
MA	30.0 lbs
IS	30.0 lbs
IS	30.0 lbs
IS	30.0 lbs
IS	30.0 lbs
IS	30.0 lbs
IS	30.0 lbs
IS	30.0 lbs
IS	30.0 lbs
IS	30.0 lbs



OVR-101-LED
 LED Small Square Canopy Series

Up to 60 Wattage / up to 8000 Lumens

Catalog Number:
 Project Name:
 Note:
 Type: SHOP TYPE CY



APPLICABLE ENVIRONMENT

WORKING TEMPERATURE

Specifications:

Specification	Value
LUMENS	4000 / 6000 / 8000 lumens
WATTAGE	27W / 42W / 42W
CCT	40K, 50K
CRI	70
LIGHT EFFICIENCY	130 lumens/watt
VOLTAGE	120/277 VAC
POWER FREQUENCY	50/60 Hz
FINISH	White, White Black
APPLICABLE ENVIRONMENT	Dry/semi-humid location
WORKING TEMPERATURE	-40°C to 40°C

Ordering Guide Example: OVR-101-LED-6000L-DM10-IM10-40K-0-EMG-LED-BZ

Series	Performance	Mounting	Voltage	CCT	Finish	Emergency	Option
OVR-101-LED	6000L	DM10	120/277	40K	White	0	BZ

LITHONIA LIGHTING
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Performance Data

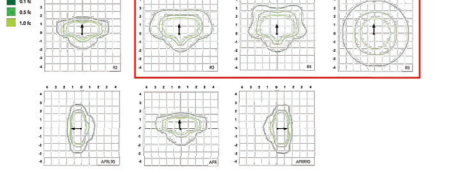
Lumen Output

Lumen values are based on photometric test performed in accordance with IESNA LM-79-02. Data is considered to be representative of the configuration shown, with the tolerance listed. Light loss calculations for performance data are configurations shown here.

Mounting Type	Performance	Color	Mounting	Accessories	Notes
P1	70W	40K	R3	MVOIT SPA	Standard mounting (3" x 3" hole) for 1.14 x 1.14 x 1.14 ft (0.35 x 0.35 x 0.35 m) grid
P2	110W	40K	R3	MVOIT SPA	Standard mounting (3" x 3" hole) for 1.14 x 1.14 x 1.14 ft (0.35 x 0.35 x 0.35 m) grid
P3	150W	40K	R3	MVOIT SPA	Standard mounting (3" x 3" hole) for 1.14 x 1.14 x 1.14 ft (0.35 x 0.35 x 0.35 m) grid
P4	200W	40K	R3	MVOIT SPA	Standard mounting (3" x 3" hole) for 1.14 x 1.14 x 1.14 ft (0.35 x 0.35 x 0.35 m) grid

Photometric Diagrams

To see complete photometric reports or download an Excel file for this product, visit Lithonia Lighting's RSX Area homepage.



Performance Data

Lumen Ambient Temperature

Mounting Type	Performance	Color	Mounting	Accessories	Notes
P1	70W	40K	R3	MVOIT SPA	Standard mounting (3" x 3" hole) for 1.14 x 1.14 x 1.14 ft (0.35 x 0.35 x 0.35 m) grid

Electrical Load

Performance	System Voltage	120V	208V	240V	277V	347V
P1	70W	0.62	0.34	0.45	0.25	0.21

Projected LED Lumen Maintenance

Mounting Type	Performance	Color	Mounting	Accessories	Notes
P1	70W	40K	R3	MVOIT SPA	Standard mounting (3" x 3" hole) for 1.14 x 1.14 x 1.14 ft (0.35 x 0.35 x 0.35 m) grid

WDGE2 LED
 Architectural Wall Sconce
 Precision Refractive Optic



Specifications

Depth (D1): 11.3"

Depth (D2): 1.5"

Height: 11.3"

Weight: 13.5 lbs (without options)

WDGE2 LED Family Overview

Mounting Type	Performance	Color	Mounting	Accessories	Notes
WDGE2 LED	1000L	40K	R3	MVOIT SPA	Standard mounting (3" x 3" hole) for 1.14 x 1.14 x 1.14 ft (0.35 x 0.35 x 0.35 m) grid

Ordering Information

EXAMPLE: WDGE2 LED P3 40K R3CIVF MVOIT SRM DBXD

Series	Performance	Mounting	Voltage	CCT	Finish	Emergency	Option
WDGE2 LED	1000L	P3	120/277	40K	White	0	DBXD

NO.	DESCRIPTION	APPRO. DATE	DATE	DATE

SCALE: BENCH MARK CITY M.B. 125
 ELEV=126.60 (NAVD 88)
 3" = 10' BRASS DISK 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	DRAWN	PROJ. ENGR.
-	JDT	JDT	JDT

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 916.905.4477 www.conwayengineering.com
 13420 Mesa Drive Grass Valley California 95949 USA

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

DATE: MAR 23, 2023
 SHEET: 3.1
 OF: 7

JOB NO.: 20-0011-01

GROCERY OUTLET



Specifications
 Depth (D1) 7"
 Depth (D2) 1.5"
 Height 9"
 Width 11.25"
 Weight 13.5 lbs (without options)



WDGE2 LED Family Overview

Model	Color	Power (W)	Beam Angle	Optic	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP
WDGE2 DB	Neutral Cool	40W	120°	Standard	700	1,200	2,000	3,000	4,000	6,000	8,000	10,000	15,000	20,000
WDGE2 DB	Neutral Cool	40W	120°	Standard	700	1,200	2,000	3,000	4,000	6,000	8,000	10,000	15,000	
WDGE2 DB	Neutral Cool	100W	180°	Standard	700	1,200	2,000	3,000	4,000	6,000	8,000	10,000	15,000	
WDGE2 DB	Neutral Cool	100W	180°	Standard	700	1,200	2,000	3,000	4,000	6,000	8,000	10,000	15,000	
WDGE2 DB	Neutral Cool	100W	180°	Standard	700	1,200	2,000	3,000	4,000	6,000	8,000	10,000	15,000	

Ordering Information EXAMPLE: WDGE2 LED P3 40K 80CVRV MVOLT SRM DDBX0

Series	Model	Value	Option	Option	Option	Option	Option	Option
WDGE2 LED	P3	40K	80CVRV	MVOLT	SRM	DDBX0		

Series	Model	Value	Option	Option	Option	Option	Option	Option
EWBR	Energy Battery Backlit Grille	14 CA 10-25 18x26 25						
EWBC	Energy Battery Backlit Grille	14 CA 10-25 18x26 25						
EWB	Energy Battery Backlit Grille	14 CA 10-25 18x26 25						
EWB	Energy Battery Backlit Grille	14 CA 10-25 18x26 25						
EWB	Energy Battery Backlit Grille	14 CA 10-25 18x26 25						
EWB	Energy Battery Backlit Grille	14 CA 10-25 18x26 25						

Accessories

WDGE2 DB02 WDGE2 LED Architectural Sconce (per family)

WDGE2 DB0202 WDGE2 LED Architectural Sconce (per family)

NOTES:

- PC option not available with accessories.
- P3 not available with 400K and 40W.
- 40W and 100W not available with 400K and 100W.
- 100W and 180° not available with 400K and 100W.
- PC not available with accessories.
- 40W option not available with accessories.

Performance Data

Lumen output as per photometry was performed in accordance with IESNA LM 79-08. Data is provided as a representative of the configurations shown, within the tolerance allowed by lighting facts. Contact factory for performance data on configurations not shown here.

Series	Model	Value	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
P3	40K	80CVRV	MVOLT	SRM	DDBX0														

Series	Model	Value	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	
P3	40K	80CVRV	MVOLT	SRM	DDBX0														



Specifications
 CNY LED P50VLP2
 Width 10"
 Height 4.3"
 Depth 10.5"
 Weight 6.5 lbs

Introduction

The CNY LED canopy luminaires are energy efficient and budget friendly, perfect for replacing up to 250W metal halide luminaires while saving up to 30% energy costs. Quick-mount mechanism significantly reduces the installation time. An LED array and translucent lens create uniform and visually comfortable illumination. CNY LED luminaires are DLC Premium listed and deliver quick payback!

Ordering Information EXAMPLE: CNY LED P1 50K MVOLT DDB

Series	Model	Value	Option	Option	Option	Option	Option	Option
CNY LED	P1	50K	MVOLT	DDB				

Accessories

CNY LED P50VLP2

NOTES:

- Width is only available in CNY P50VLP2 packages, and with 40K 1800K color temperature.
- Custom color temperatures (CCT) allow to range from 2700K, 3000K, 3500K, 4000K, 5000K, 5700K, 6500K, 7000K, 8000K, 9000K, 10000K.
- CNY LED luminaires are DLC Premium listed.

FEATURES & SPECIFICATIONS

FINISHED USE:

- Construction: Die-cast aluminum housing with powder-coated finish. Housing assembly: Die-cast aluminum housing with powder-coated finish. Housing assembly: Die-cast aluminum housing with powder-coated finish.
- Construction: Die-cast aluminum housing with powder-coated finish. Housing assembly: Die-cast aluminum housing with powder-coated finish. Housing assembly: Die-cast aluminum housing with powder-coated finish.
- Construction: Die-cast aluminum housing with powder-coated finish. Housing assembly: Die-cast aluminum housing with powder-coated finish. Housing assembly: Die-cast aluminum housing with powder-coated finish.

ELECTRICAL:

- Rated power: 50W (typical), 60W (maximum). Rated power: 50W (typical), 60W (maximum). Rated power: 50W (typical), 60W (maximum).
- Rated voltage: 120V (typical), 130V (maximum). Rated voltage: 120V (typical), 130V (maximum). Rated voltage: 120V (typical), 130V (maximum).

INSTALLATION:

- Mounting: Recessed ceiling. Mounting: Recessed ceiling. Mounting: Recessed ceiling.
- Dimensions: 10" (width), 10.5" (depth), 4.3" (height). Dimensions: 10" (width), 10.5" (depth), 4.3" (height). Dimensions: 10" (width), 10.5" (depth), 4.3" (height).

NO.	DESCRIPTION	APP'D	DATE	REV	DATE

SCALE:

HORIZ. 1" = 30'

VERT. 1" = N/A

BENCH MARK: CITY B.M. 125
 ELEV.=126.60 (NAVD 88)

COMPUTED: -

DESIGNED: JDT

DRAWN: RC

PROJ. ENGR.: JDT

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 13420 Mesa Drive Grass Valley California 95949 USA

ON-SITE IMPROVEMENT PLANS FOR

GROCERY OUTLET

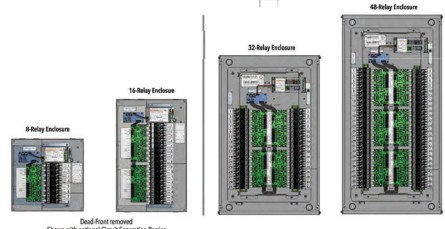
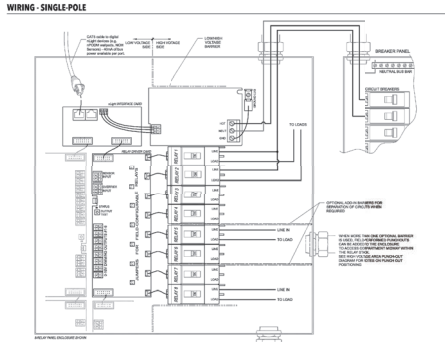
SHOPS LIGHTING FIXTURES

1751 PLEASANT GROVE BOULEVARD
 ROSELVILLE, CALIFORNIA

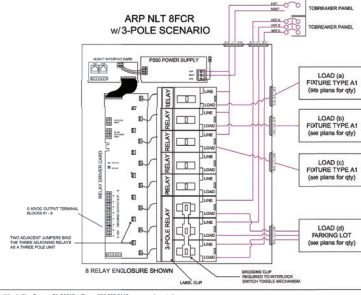
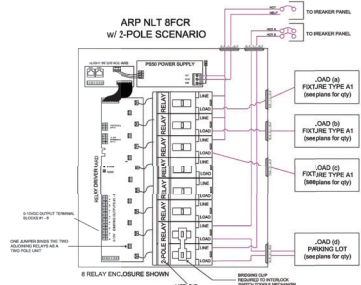
DATE: MAR 23, 2023
 SHEET: E3.2
 OF: 7

JOB NO.: 20-0011-01





Autly Brands | One Lithonia Way, Conroy, GA 30012 Phone: 800.535.2465 www.autlybrands.com ARP 1 of 5



Autly Brands | One Lithonia Way, Conroy, GA 30012 Phone: 800.535.2465 www.autlybrands.com ARP 2 of 5

SPECIFICATIONS

ENCLOSURE DIMENSIONS
 Note: Enclosure is NEMA 1 rated

8-Relay Enclosure

- 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 20.17" W x 4.00" D
- SURFACE MOUNT HINGED DOOR w/ KEYLOCK: 32.19" H x 20.17" W x 4.68" D

48-Relay Enclosure

- BACKSIDE ONLY: 40.19" H x 20.17" W x 4.00" D
- SURFACE MOUNT HINGED DOOR w/ KEYLOCK: 40.19" H x 20.17" W x 4.68" D

Mount

- 10, 12X 950
- 9, 9X 915
- 9, 3X 84.3X

RELAYS

"TSP" Type Relays - Field Configurable for 2-Pole and 3-Pole Relays

- Raychem/Standard Ballast:
 - 40A @ 120-277VAC (Single-pole)
 - 40A @ 480VAC (Multi-pole)
- Electronic Ballast:
 - Connectors accept 16 to 24 AWG wire
- Langtune:
 - 20A @ 120-277VAC
- Raychem/Rainbow:
 - 2HP @ 120VAC
 - 3HP @ 240-277VAC
- AC:
 - 20A @ 480VDC
- SCCR:
 - 55A @ 277/480VAC with:
 - Screen Cover (SC) option for 8 & 16 relay enclosure
 - Flange Locking (FLK) option for 32 & 48 relay enclosure
 - 14A @ 277/480VAC with:
 - Flange Locking (FLK) option for 8 & 16 relay enclosure

"SR" Type Relays

- Raychem/Standard Ballast:
 - 20A @ 120-277VAC
 - 16A @ 120-277VAC
- Langtune:
 - 5000W @ 250VAC
- Raychem/Rainbow:
 - 3HP @ 120VAC
- AC:
 - 20A @ 480VDC
- SCCR:
 - 55A @ 277VAC

NIGHT ADDRESSES PER PANEL

- (1) ARP4848
- (8) Relay Dimming Outputs
 - (1) Programmable Input
 - (1) ARP1216
 - (14) Relay Dimming Outputs
 - (2) Programmable Inputs
 - (3) ARP432
 - (27) Relay Dimming Outputs
 - (4) Programmable Inputs
 - (5) ARP48
 - (48) Relay Dimming Outputs
 - (6) Programmable Inputs

INPUTS (1 PER 8 RELAYS)

- (1) Programmable Input for contact closure or photo sensor signal (see photo sensor enclosure sheet)
- (1) Device Input (requires maintained signal)
- 240VDC On/Off auxiliary power available (per 8 relays)
- Connectors accept 16 to 24 AWG wire

OUTPUTS

- 0-10VDC capable in Class 1 or Class 2 Wiring
- 100mA S.H. Per Inching Output

Note:

- Low lumen default, 1% adjustable down to 0.1V
- High lumen default 10V, 10V max
- Off mode < 1.7V
- Connectors accept 16 to 24 AWG wire

POWER SUPPLY NOTES

- 120-277VAC
- 347VAC Option
- 500Vdc
- Max 0.5 Amps @ 70 1/4 relay enclosure
- Max 1.0 Amp for 32/48 relay enclosure

PROGRAMMING

- Via SenseView Software

ENVIRONMENT

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

STANDARDS

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

BUS CONNECTOR

- (2) Bus connectors
- 40A Bus Power per RJ45 (RJ45 total)

ORDERING INFORMATION

Example: ARP INTERCOM-BLUELED WOODS-SC

Panel Size	Relay Quantity	250VAC	300VAC	347VAC	480VAC	480VDC	480VDC
ARP INTERCOM-NLT	8-Relay Enclosure	8FCR	8 Single Pole Relays	8FCR	8 Single Pole Relays	8FCR	8 Single Pole Relays
ARP INTERCOM-NLT	16-Relay Enclosure	16FCR	16 Single Pole Relays	16FCR	16 Single Pole Relays	16FCR	16 Single Pole Relays
ARP INTERCOM-NLT	32-Relay Enclosure	32FCR	32 Single Pole Relays	32FCR	32 Single Pole Relays	32FCR	32 Single Pole Relays
ARP INTERCOM-NLT	48-Relay Enclosure	48FCR	48 Single Pole Relays	48FCR	48 Single Pole Relays	48FCR	48 Single Pole Relays

Operating Voltage

MAST	120/277VAC	347VAC	480VAC
CHV	120/277VAC	347VAC	480VAC

Door Type

None	None	None	None
None	None	None	None
None	None	None	None
None	None	None	None
None	None	None	None
None	None	None	None

Mounting

SMP	Surface Mount	Flush Mount	Flush Mount
SMP	Surface Mount	Flush Mount	Flush Mount
SMP	Surface Mount	Flush Mount	Flush Mount
SMP	Surface Mount	Flush Mount	Flush Mount

Key Option

None	None	None	None
None	None	None	None
None	None	None	None
None	None	None	None

NOTE: If Ambient, panel enclosure and control components can be ordered separately (available for panel enclosure only) for field wiring and system programming. Contact your Account Representative for ordering line information.

PROFESSIONAL REPRESENTATIVE

Series	Description	Recommended Application
ARP4848	Simple switching (1 - 8) relays with mechanically adjustable slide	Outdoor dusk to dawn, On/Off only
ARP4848	Analogue output (100V/200V) with programmable mechanical relays	Outdoor dusk to dawn lighting, On/Off or On/Off (Intermittent timer settings)

Additional Accessories (See 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)

Series	Description
ARP1216	Hardware to field install a 16 relay panel (ARP, 16FCR) ordered separately
ARP4848	Hardware to field install a 48 relay panel (ARP, 48FCR) ordered separately
ARP4848	Hardware to field install a 48 relay panel (ARP, 48FCR) ordered separately
ARP4848	Hardware to field install a 48 relay panel (ARP, 48FCR) ordered separately
ARP4848	Hardware to field install a 48 relay panel (ARP, 48FCR) ordered separately
ARP4848	Hardware to field install a 48 relay panel (ARP, 48FCR) ordered separately

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 photocell, for example, and a separately contact "Alarm" input that overrides all relays until the contact is released.

rLIGHT OPERATION

The right Relay Panel is rLight enabled, meaning it has the ability to communicate over an rLight network. When daily chain control with other rLight enabled sensors, power packs, or rLightPro™ using CAS-50 calling, an rLight control zone is created. Connecting the panel to an rLight network backbone and rLight rCFC™ 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 standalone panels. When connected to rLight backbone and rLight rCFC™ system controller 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/relaying outputs
- 1 address per relaying/relaying 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 32 schedules - Normal & Holiday (DTC version)
- Autonomous Timeclock feature enables +/- 5 Minute Set/Override and programmable Latch/Relatch (DTC version)
- Programmable "On contact" high input (with programmable 240VDC output)
- Input is programmable to present/scene, photo sensor input, wallpad toggle (retain or invert)
- Contact input for "Alarm" override (requires maintain contact signal)
- All relays communicate with switch/occupancy/photo/cell channel 1 out of the box (programmable through SenseView)
- rCFC™ relays capable of being field configured to 2 and 3 pole relay configurations with included hardware
- 48 Relay Panel: 2-0 Pole and 1-3 Pole Hardware Included
- 1276 Relay Panel: 4-0 Pole and 2-3 Pole Hardware Included
- 242048 Relay Panel: 4-0 Pole and 2-3 Pole Hardware Included
- Supplies auxiliary 240VDC power and rLight network bus power (20mA per RJ45 port)
- Removable back plate for ease of installation
- UL 704 panel listing for Switching/Emergency Circuits
- Optional field-installed voltage barrier for normal/emergency use, or ungrounded voltage use
- Remotely Configurable/Upgradable

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.autlybrands.com/usaonly/buy-american 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.autlybrands.com/support/warranty/terms-and-conditions

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

Autly Brands | One Lithonia Way, Conroy, GA 30012 Phone: 800.535.2465 www.autlybrands.com ARP 1 of 5

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rLIGHT

Relay Panel

ARP INTERCOM-NLT 8FCR/MVOLT 1VB HUK5M DTC - - for the Grocery Outlet Big Bag

ARP INTERCOM-NLT 48FCR/MVOLT 1VB HUK5M DTC - - for the Shops Big Bag

LOCATE REPLAY PANEL CLOSE TO EACH 120V STITE LIGHTING DISTRIBUTION PANEL PROVIDED BY OTHERS

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

REVISION	NO.	DESCRIPTION	APP'D. ENGINEER	APP'D. DATE	SCALE:
					HORIZ. 1" = 30'
					VERT. 1" = N/A

BENCH MARK CITY B.M. 125

ELEV=126.60 (NAVD 88)

3" x 10" 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	JDT
DRAWN	RC
PROJ. ENGR.	JDT

ON-SITE IMPROVEMENT PLANS FOR

GROCERY OUTLET

CEC REQUIRED LIGHTING CONTROLS

1751 PLEASANT GROVE BOULEVARD

ROSEVILLE, CALIFORNIA

CES ENGINEERING, INC.

13420 Mesa Drive Grass Valley California 95949 USA

916.905.4477

REGISTERED PROFESSIONAL ENGINEER

NO. 57327

STATE OF CALIFORNIA

DATE: MAR 23, 2023

SHEET: 3.3

OF: 7

JOB NO.: 20-0011-01

GROCERY OUTLET

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 (ft ²)	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"/> 0: Very Low - Developed Parkland	<input type="checkbox"/> 1: 2: Moderate - Rural Areas	<input type="checkbox"/> 2: 4: High - Must be reviewed by CA Energy Commission for Approval	
<input type="checkbox"/> 1: 1: Low - Undeveloped Parkland	<input type="checkbox"/> 3: 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
<input type="checkbox"/> < 10% <input type="checkbox"/> ≥ 10% and < 50% <input type="checkbox"/> ≥ 50%	Calculation Method

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.

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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.

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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
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 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).

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G. CUTOFF REQUIREMENTS (BULB)
 This table includes fixtures of >= 2,000 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 ³	Uplight Rating Per Design	Mounting Height ¹	Max Allowable Glare Rating ³	Glare Rating Per Design	Pass
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 Bulb ratings with a lower number than the "Max Allowable" are compliant. Ex. A Max Allowable of Bulb Rating B4, then B0, B1, B2 and B3 are all compliant.

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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).

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 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 building owner or architect.

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

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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 PROJECT: 1751 PLEASANT GROVE BLVD. SHEET: 01 OF 01

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
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 Project Name: Grocery Outlet, West Roseville, CA Report Page: (Page 8 of 8)
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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

JOB NO. 20-0011-01

GROCERY OUTLET