

Building Data Summary

Project ID:	Residence *****
Location:	*****
Scope of Work:	Landscaping
Date:	



Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
69		Sierra San Antonio Sage - 5 Gal	EA	7	0%	7	\$ 68.52	\$ 479.64	0.562	\$ 62.85	\$ 35.32	\$ 247.25	\$ 726.89	
70		Catalina Cherry - 15 Gal	EA	10	0%	10	\$ 276.32	\$ 2,763.20	1.650	\$ 62.85	\$ 103.70	\$ 1,037.03	\$ 3,800.23	
		Ground Covers												
71		Pacific Mist Manzanta - 1 Gal	EA	11	0%	11	\$ 25.99	\$ 285.89	0.320	\$ 62.85	\$ 20.11	\$ 221.23	\$ 507.12	
72		Blonde Ambition Blue Grama - 1 Gal	EA	29	0%	29	\$ 9.65	\$ 279.85	0.152	\$ 62.85	\$ 9.55	\$ 277.04	\$ 556.89	
73		Foothill Sedge - 1 Gal	EA	70	0%	70	\$ 5.25	\$ 367.50	0.152	\$ 62.85	\$ 9.55	\$ 668.72	\$ 1,036.22	
74		Ivy Geranium - 1 Gal	EA	8	0%	8	\$ 5.25	\$ 42.00	0.152	\$ 62.85	\$ 9.55	\$ 76.43	\$ 118.43	
75		Stoncrop - Flat	EA	1	0%	1	\$ 9.98	\$ 9.98	0.120	\$ 62.85	\$ 7.54	\$ 7.54	\$ 17.52	
76		Copertone Stoncrop - 1 Gal	EA	5	0%	5	\$ 8.95	\$ 44.75	0.320	\$ 62.85	\$ 20.11	\$ 100.56	\$ 145.31	
77		Blue Chalksticks - 4" Pot	EA	35	0%	35	\$ 13.20	\$ 462.00	0.288	\$ 62.85	\$ 18.10	\$ 633.53	\$ 1,095.53	
78		Fred Ives Graptoveria - 1 Gal	EA	53	0%	53	\$ 12.00	\$ 636.00	0.255	\$ 62.85	\$ 16.04	\$ 850.08	\$ 1,486.08	
		Subtotal (Demolition and Site Work)						\$ 62,452			\$ 32,458		\$ 94,910	

													PROJECTED COST	\$	102,897.4	
													INSURANCE	3%	\$	3,086.9
													CONTINGENCY	5%	\$	5,144.9
													OVERHEAD AND PROFIT	15%	\$	15,434.6
													TAX	6.50%	\$	4,059.4
													SUGGESTED BID	\$	130,623	

Note:
 1. Please verify the equipment's and their prices with owner.
 2. Online sources are used for pricing.
 3. Prices can vary depending upon field conditions.



LANDSCAPE PLANS FOR RESIDENCE



TRUE NATURE
LANDSCAPE ARCHITECTURE
KIMBERLY TRUE, AIA
315 Ortega Rd Suite A 131
Santa Barbara, CA 93109
TrueNatureDesign.com
805-770-2100

Date: 1/31/2022

Revisions
04/18/2022 City SDOB/BLDG
08/16/2022 City SWAMP PLCK/STDB
02/07/2023 BLDG PLCK 1
03/14/2023 BLDG PLCK 2

GENERAL NOTES

- ADJUST ANY VALVES, CANS, VAULT FRAMES AND COVERS, MANHOLE FRAMES AND COVERS TO FINISH GRADE (TYP. FOR ALL UTILITY SURFACE FEATURES FOR THIS PROJECT) SEE LAYOUT & CIVIL GRADING PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR BEING FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES, AND STRUCTURES, AND MARK LOCATION ON SITE WHERE TRENCHING OR EXCAVATION IS TO OCCUR AND PROTECT ALL UTILITIES WITHIN SCOPE OF WORK AREA. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR COST INCURRED DUE TO DAMAGE AND REPLACEMENT OF SAID UTILITIES. CONFIRM LOCATION WITH OWNER AND COORDINATE WITH GRADING AND LAYOUT PLANS.
- CONTRACTOR SHALL CONSTRUCT AND MAINTAIN PERIMETER EROSION CONTROL AND PROTECT ALL STORM DRAIN INLETS FOR THIS SCOPE OF WORK PER CIVIL ENGINEER'S EROSION CONTROL PLANS.
- ALL CONSTRUCTION AND INSTALLATION OF LANDSCAPE AND HARDSCAPE ITEMS SHALL BE PER LOCAL CODES AND ORDINANCES.
- ALL PAVED AREAS AND FINISH GRADE AREAS SHALL SLOPE TO DRAIN. REFERENCE CIVIL ENGINEER'S GRADING PLAN.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED AGAINST EXISTING CONDITIONS AND ALL DISCREPANCIES REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY. CONTRACTOR SHALL READ AND UNDERSTAND THE PROJECT SPECIFICATIONS ACCOMPANYING THESE PLANS PRIOR TO BIDDING. FAILURE TO ADHERE TO THE SPECIFICATIONS DURING CONSTRUCTION MAY RESULT IN A DELAY OF THE PROJECT AT THE CONTRACTOR'S EXPENSE. CONTRACTOR IS RESPONSIBLE FOR ANY LOSS DUE TO A DECISION TO ALTER THE DESIGN OR LAYOUT OF THIS PROJECT IN ANY WAY WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT AND OWNER.

DEMOLITION NOTES:

- CONTRACTOR SHALL CONFIRM LOCATION OF ALL EXISTING UTILITIES AND WATER LINES ON SITE AND PROTECT ALL UTILITIES AND INFRASTRUCTURE WITHIN SCOPE OF WORK AREA. CONFIRM LOCATION WITH OWNER. CALL UNDERGROUND SERVICE ALERT AT LEAST TWO WORKING DAYS BEFORE TRENCHING, GRADING, OR EXCAVATING.
- CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES AS PRESCRIBED ON GRADING PLAN.
- CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY REGARDING DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS.
- PROTECT EXISTING PLANT MATERIAL IN AREAS WHERE GRADE OR SURFACE IS NOT TO BE ALTERED, WHERE PLANTS ARE INDICATED TO REMAIN ON THIS PLAN. PROTECT ALL OAK TREES IN PLACE.
SHALL DISPOSE OF ALL MATERIALS

EXISTING PLANT LEGEND

CODE	BOTANICAL NAME	COMMON NAME	WATER USE
CL	COTONEASTER LACTEUS *	RED CLUSTERBERRY	LOW
CS	CUPRESSUS SEMPERVERENS *	ITALIAN CYPRESS	LOW
FS	FELICIA BELLUQUANA *	PINEAPPLE GUAVA	LOW
MA	MORUS ALBA *	WHITE MULBERRY	MEDIUM
PA	PERSEA AMERICANA *	AVOCADO	MEDIUM
PE	PITIOSPORUM ELKENSENSES	TARATA	MEDIUM
PH.C	PHOENIX CANARIENSIS	CANARY ISLAND DATE PALM	LOW
PC	FRUNUS CAROLINIANA	CAROLINA LAUREL CHERRY	MEDIUM
PI	FRUNUS LYCOPOLIA LYON	CATALINA CHERRY	LOW
PT	PTYRACANTHA SPP., CVS	PIRETHORN	LOW
QA	QUERCUS AGRIFOLIA	COAST LIVE OAK	VERY LOW
SM	SCHNUS MOLLE	CALIFORNIA PEPPER TREE	VERY LOW
SP	SYZYGIUM PANICULATUM	EUGENIA	MEDIUM
SR	SYAGRUS ROMANICOFRANUM	QUEEN PALM	MEDIUM
FN	ROBUS NITIDA *	ROBUS	MEDIUM

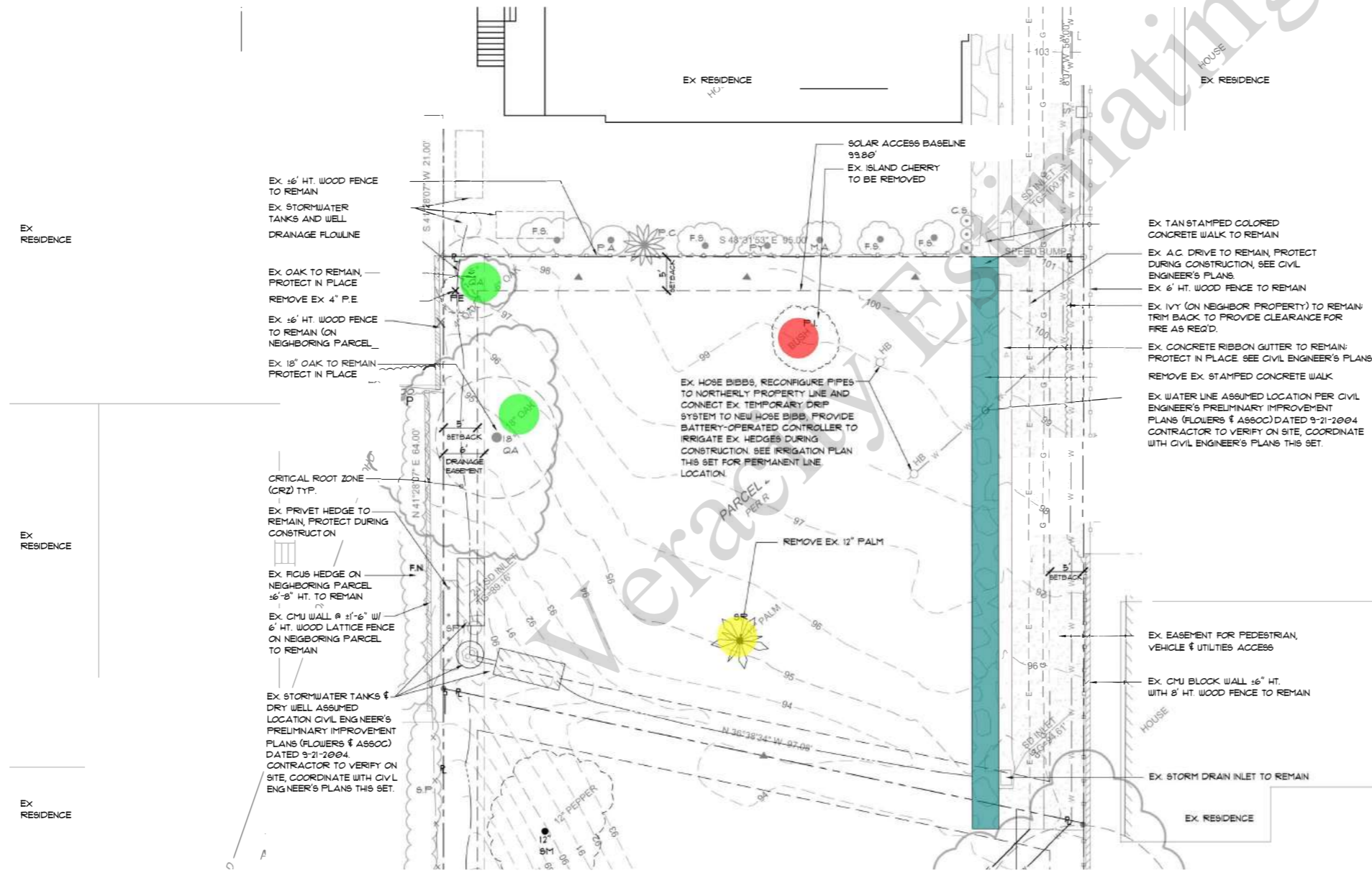
SHEET INDEX

SHEET	DESCRIPTION
L-1	TREE PRESERVATION & DEMOLITION PLAN
L-2	LAYOUT PLAN
L-3	IRRIGATION PLAN
L-4	PLANTING PLAN
L-5	LIGHTING PLAN
L-6.1	CONSTRUCTION DETAILS
L-6.2	IRRIGATION DETAILS
L-6.3	PLANTING DETAILS
L-7	IRRIGATION SPECIFICATIONS
L-8	LANDSCAPE SPECIFICATIONS

PROJECT INFORMATION

OWNERS: ANNIE & PAUL DE BRUYN KOPS
ADDRESS: 1239 E. COTA STREET
SANTA BARBARA, CA 93103
APN: 031-190-041
COUNTY ZONING: RS-6
GENERAL PLAN: R-3
LOT SIZE: 7,030 SF / .16 AC
USE: LOW DENSITY RES. 5DU/ACRE
FIRE HAZARD: NO

- Remove Stamped Concrete Walk 338.8 SQ FT
- Remove Island Cherry Tree 1.0
- Existing OAK Tree Protect in Place 2.0
- Remove 12" Palm Tree 1.0



DESIGN TEAM

OWNER: ANNIE & PAUL DE BRUYN KOPS
285 TORITO RD
SANTA BARBARA, CA 93108
(805) 791-4938
PAULDEK@MAC.COM

STRUCTURAL ENGINEER:
ASHLEY & VANCE ENGINEERING, INC.
210 E. COTA STREET
SANTA BARBARA, CA 93101
(805) 967-9966
INFO@ASHLEYVANCE.COM

LANDSCAPE ARCHITECT:
TRUE NATURE
438 W. QUINTO STREET
SANTA BARBARA, CA 93105
CONTACT: KIMBERLY TRUE
PHONE: 805-710-2100
KIM@TRUENATUREDESIGN.COM

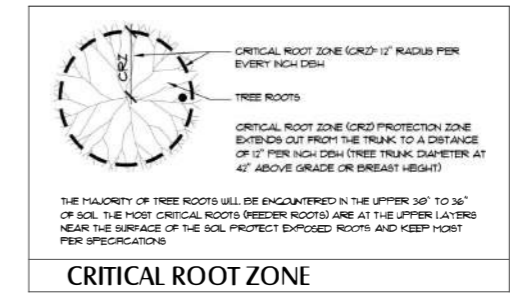
SURVEYOR:
UW SURVEYING INC.
1721 STATE STREET, SUITE 25
SANTA BARBARA, CA 93101
(805) 748-3234

CIVIL ENGINEERING:
ASHLEY & VANCE ENGINEERING, INC.
210 E. COTA STREET
SANTA BARBARA, CA 93101
(805) 967-9966
INFO@ASHLEYVANCE.COM

ARCHITECT:
JEFF SHELTON
519 FIG AVENUE
SANTA BARBARA, CA 93101
PHONE: 805-700-2102
JEFF@JEFFSHELTONARCHITECT.COM

TREE PROTECTION:

- ALL EXISTING OAK TREES SHALL BE PROTECTED PER P.C. RESOLUTION 018-05 CONDITION A & IF ANY TREE IS INADEQUATELY PROTECTED SUCH THAT IT DOES NOT SURVIVE, IT SHALL BE REPLACED AT A THREE TO ONE RATIO WITH 2" BOX SIZE TREES. ALL OAKS TO BE PRESERVED AND PROTECTED SHALL BE FENCED DURING CONSTRUCTION AND GRADING. SEE TREE PROTECTION AND DEMOLITION PLAN THIS SET.
- THE USE OF HERBICIDES OR FERTILIZERS SHALL BE PROHIBITED WITHIN THE DRIFLINE OF ANY OAK TREE PER P.C. RESOLUTION 018-05 CONDITION A.1 TO AVOID COMPACTION OF SOIL AROUND THE CRITICAL ROOT ZONE OF THE EXISTING OAK TREES TO BE PROTECTED. ALL SPECIMEN OAK TREES ON THE SITE SHOULD BE FENCED WITH AT THE CRITICAL ROOT ZONE WITH 5' HT. HIGH VISIBILITY PLASTIC MESH FENCING ON STEEL T-BAR STAKES DRIVEN INTO THE GROUND MINIMUM OF 18" FENCING SHALL BE IN PLACE PRIOR TO ARRIVAL OF ANY CONSTRUCTION MATERIALS OR EQUIPMENT ON SITE, AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETED AND FINAL APPROVAL IS GIVEN. GRADING, TRENCHING AND OTHER GROUND DISTURBANCE ACTIVITIES SHALL OCCUR OUTSIDE OF THE CRITICAL ROOT ZONE (CRZ) OF ALL ON-SITE OAK TREES TO REMAIN. F TRENCHING MUST OCCUR WITHIN CRZ IT SHALL BE DONE BY HAND. ANY ROOTS ONE INCH IN DIAMETER OR GREATER ENCOUNTERED DURING GRADING OR TRENCHING SHALL BE CLEANLY CUT.
- CRITICAL ROOT ZONE (CRZ) IS DEFINED AS AN AREA OF 12" FOR EVERY 1" OF TRUNK DIAMETER EXTENDING OUT FROM TRUNK. SEE DETAIL 1 BELOW.
- ONLY TREES DESIGNATED FOR REMOVAL SHALL BE REMOVED.
- ALL TREES NOTED AS "TO BE PROTECTED" SHALL BE FENCED PER NOTES.
- CONSTRUCTION EQUIPMENT STAGING AND STORAGE AREAS SHALL BE LOCATED OUTSIDE OF THE PROTECTED AREA. NO CONSTRUCTION EQUIPMENT SHALL BE PARKED STORED OR OPERATED WITHIN THE PROTECTED AREA.
- REFERENCE GRADING PLANS FOR GRADING EXTENTS, EROSION CONTROL MEASURES, AND ADDITIONAL NOTES.



NOTE: SEE SHEET L-4 FOR LANDSCAPE COMPLIANCE CHECKLIST

Underground Service Alert
Call: **811**

SCALE: 1/8"=1'-0"
0 4 8 16

TREE PRESERVATION & DEMOLITION PLAN

LANDSCAPE ESTIMATING SERVICES

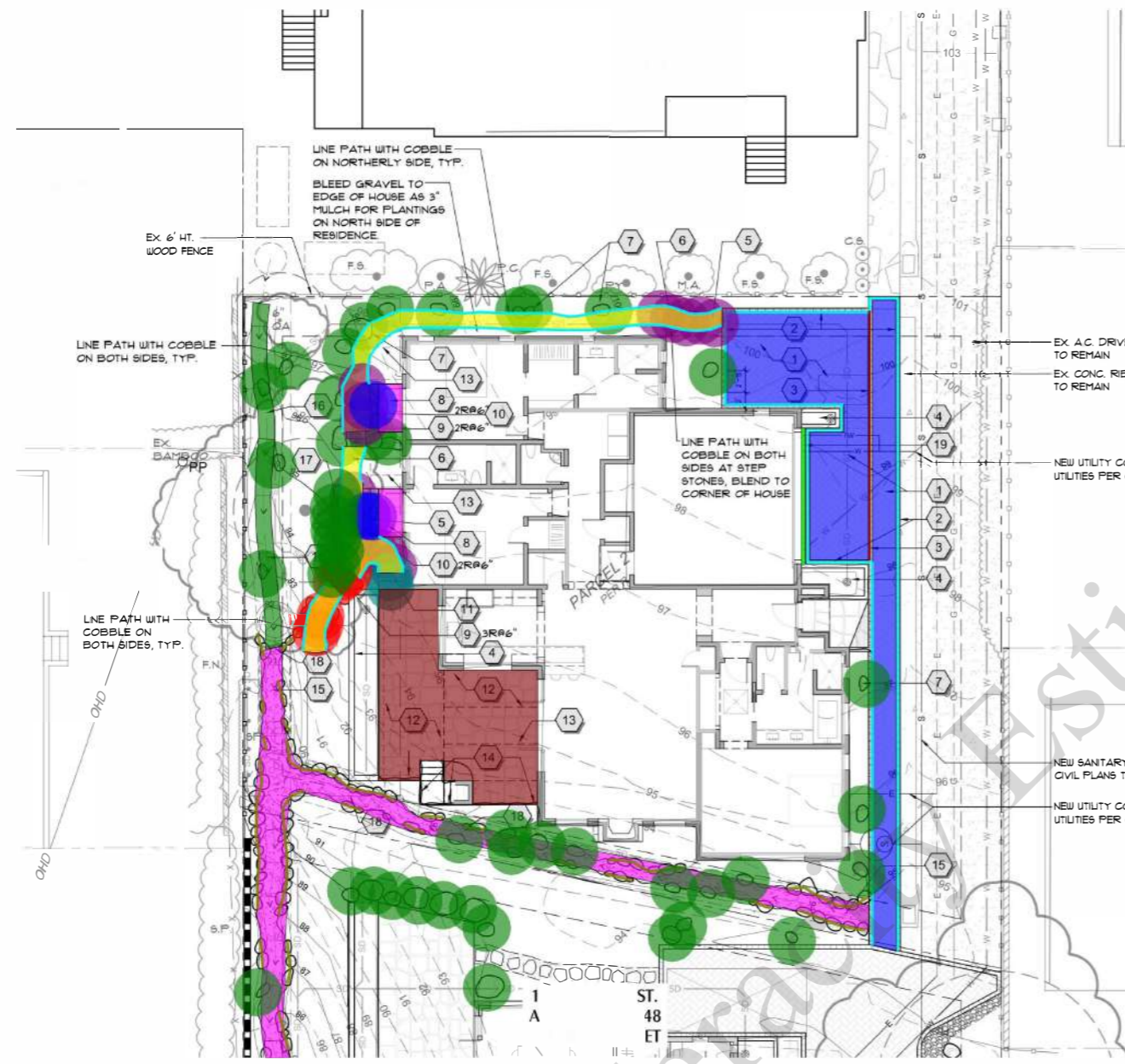


LAYOUT NOTES

1. LOCATION OF FEATURES SHOWN ON DRAWINGS TO BE CONSTRUCTED WHICH ARE NOT SPECIFICALLY DIMENSIONED MAY BE DETERMINED BY SCALE. IN CASE OF DISCREPANCY, CONTACT LANDSCAPE ARCHITECT IMMEDIATELY IN WRITING FOR RESOLUTION PER SPECIFICATIONS.
2. OBTAIN A COPY OF THE STRUCTURAL SOILS REPORT FROM OWNER. ADHERE TO ALL APPLICABLE RECOMMENDATIONS. CONTACT LANDSCAPE ARCHITECT FOR DECISION IF DISCREPANCIES ARE NOTED.
3. INSTALL FLEXIBLE JOINTS BETWEEN PAVEMENT AND FIXED OBJECTS, BETWEEN NEW PAVING WORK AND EXISTING PAVEMENT, AND BETWEEN DISSIMILAR PAVING MATERIALS.
4. CONTRACTOR SHALL MARK OUT LOCATIONS OF HARDSCAPE FEATURES ON SITE AND REVIEW IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

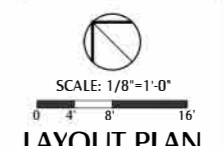
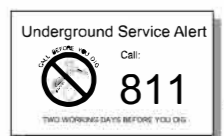
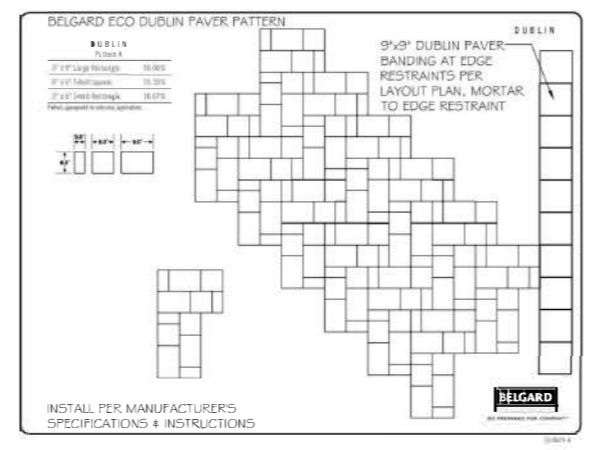
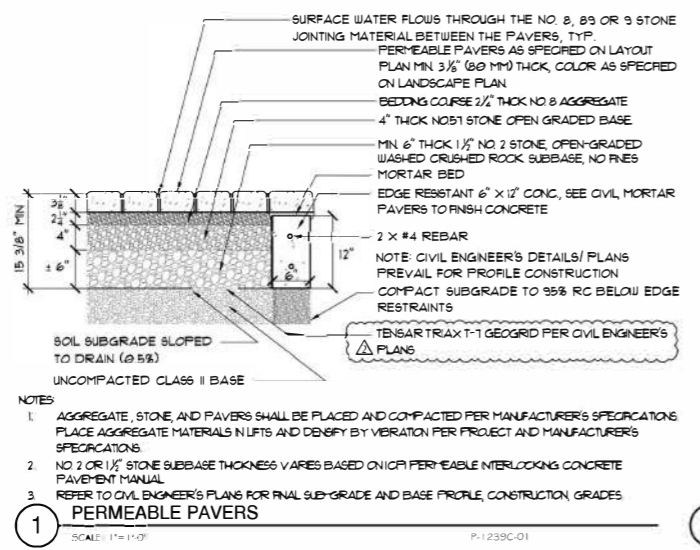
REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
①	PERMEABLE PAVER DRIVEWAY - BELGARD ECO-DUBLIN PERMEABLE PAVER, MONTECITO COLOR, 3-PIECE MODULAR FIELD	1/L-2
②	CONCRETE PAVER EDGE BANDING - MORTAR BELGARD ECO-DUBLIN PERMEABLE PAVER, MONTECITO COLOR (9" x 9" x 2-3/8"), TO TOP OF CONCRETE CURB/PAVER EDGE RESTRAINT PER DETAIL, COORDINATE GRADES & STRUCTURAL SECTION/SUBGRADE W/ CIVIL ENGINEER'S PLANS	1/L-2
③	9" x 9" BELGARD ECO-DUBLIN LARGE SQUARE PAVER DECORATIVE BAND IN PAVER FIELD TO DEFINE PEDESTRIAN WALKWAY	
④	RAISED PLANTER PER ARCHITECT'S PLANS (MESA BUFF COLORED BOARD FORMED CONCRETE WITH SWEETWATER FLAGSTONE CAP)	



COST

■ Permeable Paver	578.9 SQ FT
■ Dry Creekbed, Native S.B. Sandstone Boulders, ...	358.8 SQ FT
■ 9"x9" Concrete Paver Edge Banding	211.2 FT
■ 9"x9" Paver Decorative Band	31.2 FT
● Native Santa Barbara Sandstone Boulder	47.0
■ Stone Weir	138.2 FT
● Sweet Water Oklahoma Flagstone Step Stones	15.0
● Sweet Water Oklahoma Flagstone Steps	2.0
● Sweet Water Oklahoma Flagstone Steps	6.0
■ Strip Drain	17.1 FT
■ 3/8" Crushed Handley Gravel Path	208.3 SQ FT
● Sweet Water Oklahoma Flagstone Steps	3.0
■ Sweet Water Oklahoma Flagstone Landing	36.5 SQ FT
■ Line Path W/ Cobble Border	156.2 FT
■ Sweet Water Oklahoma Flagstone Patio	365.8 SQ FT
■ Vegetated Swale	85.3 SQ FT



EXISTING PLANT LEGEND

CODE	BOTANICAL NAME	COMMON NAME	WATER USE
CL	COTONEASTER LACTEUS *	RED CLUSTERBERRY	LOW
CS	CUPRESSUS SEMPERVIRENS *	ITALIAN CYPRESS	LOW
FS	FELICIA SELAWIANA *	FINEAPPLE GUAVA	LOW
MA	MORUS ALBA *	WHITE MULBERRY	MEDIUM
PA	PERSEA AMERICANA *	AVOCADO	MEDIUM
PE	PLATANUS SP.	TARATA	MEDIUM
PH	PHOENIX CANARIENSIS *	CANARY ISLAND DATE PALM	LOW
PC	PRUNUS CAROLINIANA	CAROLINA LAUREL CHERRY	MEDIUM
PI	FRUNUS LUCIFUGA LYON		
PT	PTYRACANTHA SPP. CVG		
QA	QUERCUS AGRIFOLIA		
SM	SCHNUS MOLLE		
SP	SYZYGIUM PANICULATUM		
SR	SYAGRUS ROMANZOFFIANUM		
SN	ROSL NITIDA *		

IRRIGATION NOTES

- SYSTEM DESIGN BASED ON THE FOLLOWING:
 - 8 PSI STATIC PRESSURE AT 1231 E. COTA ST. ACCORDING TO CITY OF SANTA BARBARA WATER RESOURCES
 - 7" MATERIAL COPPER SERVICE LINE
 - 5/8" WATER METER
 - AVAILABLE GPM = 15
- IRRIGATION LINES DIAGRAMMATIC RED CONDITIONS PREVAIL CONTRACTOR SHALL SURVEY PROPOSED LINE TRSICH LOCATIONS AND SUGGEST ALTERNATE LAYOUT TO ACHIEVE DESIGN INTENT AS RED CONDITIONS DICTATE
- LOCATION OF LINES AND VALVES IS DIAGRAMMATIC ONLY. LOCATE IN PLANNING AREAS WHEREVER POSSIBLE
- VERIFY DIMENSIONS AND MAKE ADJUSTMENTS IN SYSTEM AS REQUIRED TO PROVIDE COMPLETE HEAD TO HEAD OR DRIP IRRIGATION COVERAGE TO ALL PLANTINGS
- CONTRACTOR SHALL VERIFY POINT OF CONNECTION WITH OWNER 7" WATER METER EXISTING ON SITE. TIE INTO EX. 7" POTABLE LINE AFTER METER WITH LINE SIZE BALL VALVE INSTALLED NEW

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	DESIGN PSI	PSI	PSI @ P.O.C.	PRECP
1	HUNTER IC21-01-25	1"	AREA FOR DRIP EMITTERS	3.76	20	30.00	60.54	0.56 IN/H
2	HUNTER IC21-01-25	1"	AREA FOR DRIP EMITTERS	1.15	20	30.00	60.54	0.64 IN/H
3	HUNTER IC21-01-25	1"	AREA FOR DRIPLINE	1.23	20	30.00	60.54	0.64 IN/H
4	HUNTER IC21-01-25	1"	DRIP EMITTER	2.73	20	30.26	61.33	0.81 IN/H
5	HUNTER IC21-01-25	1"	AREA FOR DRIP EMITTERS	4.60	20	30.3	61.95	0.45 IN/H

CRITICAL ANALYSIS

GENERATED: 2022-04-18 13:58
 P.O.C. NUMBER: 01
 WATER SOURCE INFORMATION: 111 STATIC PSI AT HYDRANT 1231 (231 E COTA) PER CITY OF SANTA BARBARA WATER RESOURCES. REGULATE TO 80 PSI WITH PRESSURE REGULATOR PER DETAIL.
 FLOW AVAILABLE WATER METER SIZE: 5/8"
 FLOW AVAILABLE: 15 GPM
 PRESSURE AVAILABLE (STATIC PRESSURE AT P.O.C.): 80.00 PSI

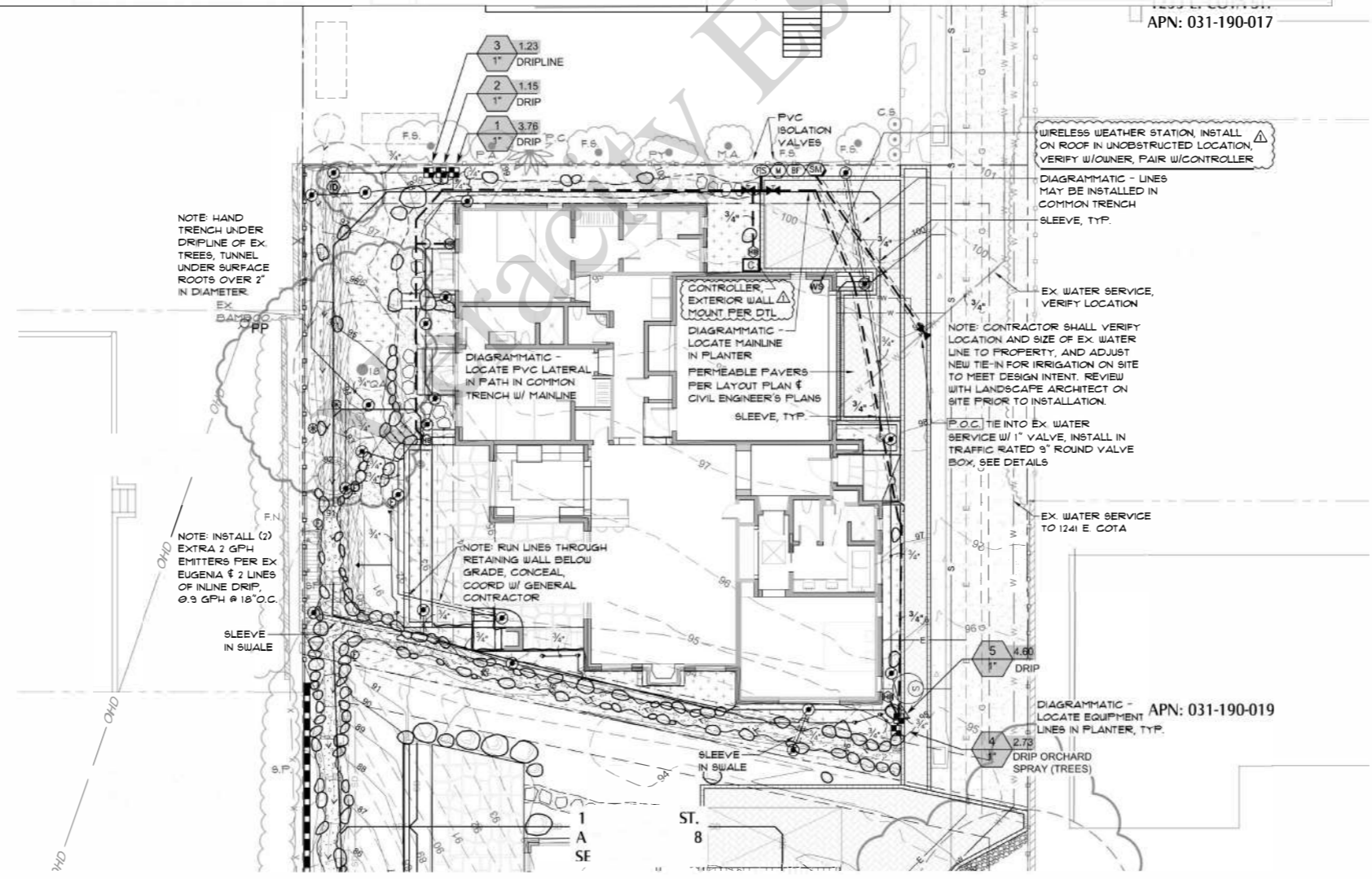
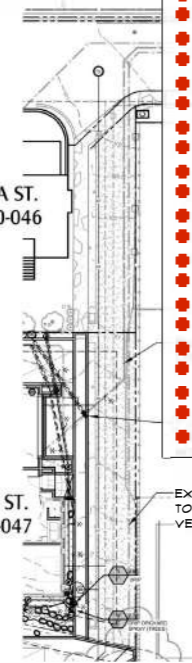
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
ICV	HUNTER IC21-01-25 DRIP CONTROL ZONE KIT 1" ICV GLOBE VALVE WITH 1" HYDRO FILTER SYSTEM. PRESSURE REGULATOR. 25PSI FLOW RANGE 2 GPM TO 20 GPM. 150 MESH STAINLESS STEEL SCREEN	1
PT	PIPE TRANSITION POINT ABOVE GRADE. PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RIBER TO ABOVE GRADE INSTALLATION	1
AFV	AUTOMATIC FLUSH VALVE. HUNTER AFV-X. MANUAL FLUSH/SHUT OFF VALVE. BARBED NIBERT. TYPICALLY INSTALLED IN 1/2" BOX WITH ADEQUATE BLANK TUBING TO EXTEND VALVE OUT OF VALVE BOX. USE WITH HDL OR OTHER 3/4" DRIPLINE	1
ECO-ID	HUNTER ECO-ID ECO-ID 1/2" FPT CONNECTION WITH 12-60 PSI OPERATING PRESSURE. SPECIFY WITH HUNTER 5/8" BUNG JOINT	1
TS	HUNTER TS 0950 MICRO SPRAY FULL, HALF, AND QUARTER-CIRCLE CONFIGURATIONS. FUNCTIONS LIKE BIG SPRAYS ON A MIC LEVEL. FOR COMMERCIAL AND RESIDENTIAL USE. OPERATING RANGE 10PSI TO 30PSI. TRIO-SPRAY WITH 10-32 THREADS	1,074 B.P.
TS	AREA TO RECEIVE DRIP EMITTERS	1,074 B.P.
TS	TORO T-CF1-A SINGLE-OUTLET, SELF-FLUSHING, PRESSURE COMPENSATING EMITTER. MALE ADAPTER WITH BUG SHIELD, AND COLOR CODED @ 5GPH/BLUE/1.0GPH/BLACK. 2.0GPH/RED	31
TS	EMITTER NOTES	31
TS	1.0 GPH EMITTERS (1 ASSIGNED TO EACH PLANT)	31
TS	1.0 GPH EMITTERS (1 ASSIGNED TO EACH 4" POT PLANT)	31
TS	1.0 GPH EMITTERS (2 ASSIGNED TO EACH 1 GAL PLANT)	306
TS	1.0 GPH EMITTERS (2 ASSIGNED TO EACH 2 GAL PLANT)	10
TS	1.0 GPH EMITTERS (3 ASSIGNED TO EACH 3 GAL PLANT)	183
TS	1.0 GPH EMITTERS (3 ASSIGNED TO EACH 5 OR 15 PLANT)	99
TS	1.0 GPH EMITTERS (3 ASSIGNED TO EACH 15 GAL PLANT)	99
TS	1.0 GPH EMITTERS (6 ASSIGNED TO EACH 24" BOX PLANT)	5
TS	1.0 GPH EMITTERS (6 ASSIGNED TO EACH 36" BOX PLANT)	5
TS	AREA TO RECEIVE DRIPLINE	1413 LF
TS	HUNTER HDL-0918 PVC HDL-0918-CV HUNTER DRIPLINE W/ 0.9 GPH EMITTERS AT 18" O.C. CHECK VALVE, DARK BROWN TUBING W/ BLACK STRIPING. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS	1413 LF
TS	MANUFACTURER/MODEL/DESCRIPTION	QTY
TS	BUCKNER-SUPERIOR B401 BENT NOSE GARDEN VALVE 3/4" X 3/4" FEMALE NPT HOSE BIBB, RED BRASS	1
TS	NECO T-560-36-R-60-LL STAINLESS STEEL BALL VALVE SHUT OFF VALVE	1
TS	HUNTER BV 1" 1", 1 1/2", 2", AND 3" BRASS ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET FOR COMMERCIAL/MUNICIPAL USE	1
TS	NETARM TFCV09-09-15 IN LINE CHECK VALVE WITH 1/2" MALE PIPE THREAD. LARGE INLET OPENING, AND PREVENTS BACK FLOW OF WATER AND DRAINAGE OF THE SYSTEM INTO LOW AREAS. FLOW RATE: 0.5GPM TO 4.4GPM	1
TS	FEBCO 825YA 3/4" REDUCED PRESSURE BACKFLOW PREVENTER	1
TS	HUNTER XC-800 8 STATION CONTROLLER, RESIDENTIAL USE. PLASTIC CABINET, OUTDOOR, WITH 3 INDEPENDENT PROGRAMS. 12V VAC	1
TS	HUNTER USS-SEN WIRELESS SOLAR, RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE, CONNECTS TO HUNTER X-CORE AND ACC CONTROLLERS. INSTALL AS NOTED. INCLUDES GUTTER MOUNT BRACKET. MODULE NOT INCLUDED	1
TS	HUNTER WSS-100 FLOW SENSOR FOR USE WITH ACC CONTROLLER. 1" SCHEDULE 40 SENSOR BODY, 24 VAC, 2 AMP	1
TS	RANBIRD FM105B LANDSCAPE SUB-METER RANBIRD 3/4" LANDSCAPE IRRIGATION METER, 0.50 - 3.00 GPM, BRASS BODY	1
TS	WATER METER 5/8" 111 STATIC PSI AT HYDRANT 1231 (231 E. COTA) PER CITY OF SANTA BARBARA WATER RESOURCES. REGULATE TO 80 PSI WITH PRESSURE REGULATOR PER DETAIL	1
TS	IRRIGATION LATERAL LINE PVC SCHEDULE 40 IRRIGATION MAINLINE	423 LF
TS	IRRIGATION MAINLINE PVC SCHEDULE 40 IRRIGATION MAINLINE	202 LF
TS	IRRIGATION MAINLINE PVC SCHEDULE 40 EXISTING WATER SERVICE EXISTING WATER SERVICE	348 LF
TS	PIPE SLEEVE PVC CLASS 160 SDR 26 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION	793 LF
TS	VALVE CALLOUT	
TS	VALVE NUMBER	
TS	VALVE FLOW	
TS	HYDROZONE	
TS	VALVE SIZE	

- 1" ICV Globe Valve W/ 1" Hy100 Filter System
- Pipe Transition
- 3/4" Automatic Flush Valve
- 1/2" FPT Connection
- Micro Spray Full, Half & Quarter Circle Configuration
- 3/4"x3/4" Female NPT Hose Bibb, Red Brass
- 3/4" Ball Valve Shut-Off Valve
- 1", 1-1/2", 2" & 3" Brass Electric Master Valve
- 3/4" Check Valve W/ 1/2" Male Pipe Thread
- 3/4" Reduced Pressure Backflow Preventer
- Station Controller
- Wireless Solar, Rain Freeze Sensor W/ Outdoor Interface & Gutter Mount Bracket
- Flow Sensor
- 3/4" Irrigation & Sub Meter
- 5/8" Water Meter W/ Pressure Regulator
- 3/4" PVC Irrigation Lateral Pipe 423 LF
- 3/4" PVC Irrigation Main Pipe 212 LF
- PVC Pipe Sleeve 80 LF

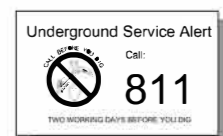
1237 E. COTA ST.
 APN: 031-190-046

1233 E. COTA ST.
 APN: 031-190-047



EQUIPMENT QUANTITY NOTE:
 IRRIGATION EQUIPMENT QUANTITY COUNTS ARE FOR CONVENIENCE PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL EQUIPMENT QUANTITIES AND REQUIRED ACCESSORY MATERIALS PRIOR TO FINAL BID AND INSTALLATION.

NOTE: SEE SHEET L-4 FOR LANDSCAPE COMPLIANCE CHECKLIST



SCALE: 1/8"=1'-0"
 0 4 8 16

IRRIGATION PLAN



Date: 1/31/2022
 Revisions:
 04/16/2022 City SDOB/BLDG
 08/16/2022 City SWMP/PLCK/SDB
 02/07/2023 BLDG PLCK 1
 03/14/2023 BLDG PLCK 2

IRRIGATION PLAN



Drawn By: KJT
 Sheet: L-3
 Of 10
 Job No: 2115