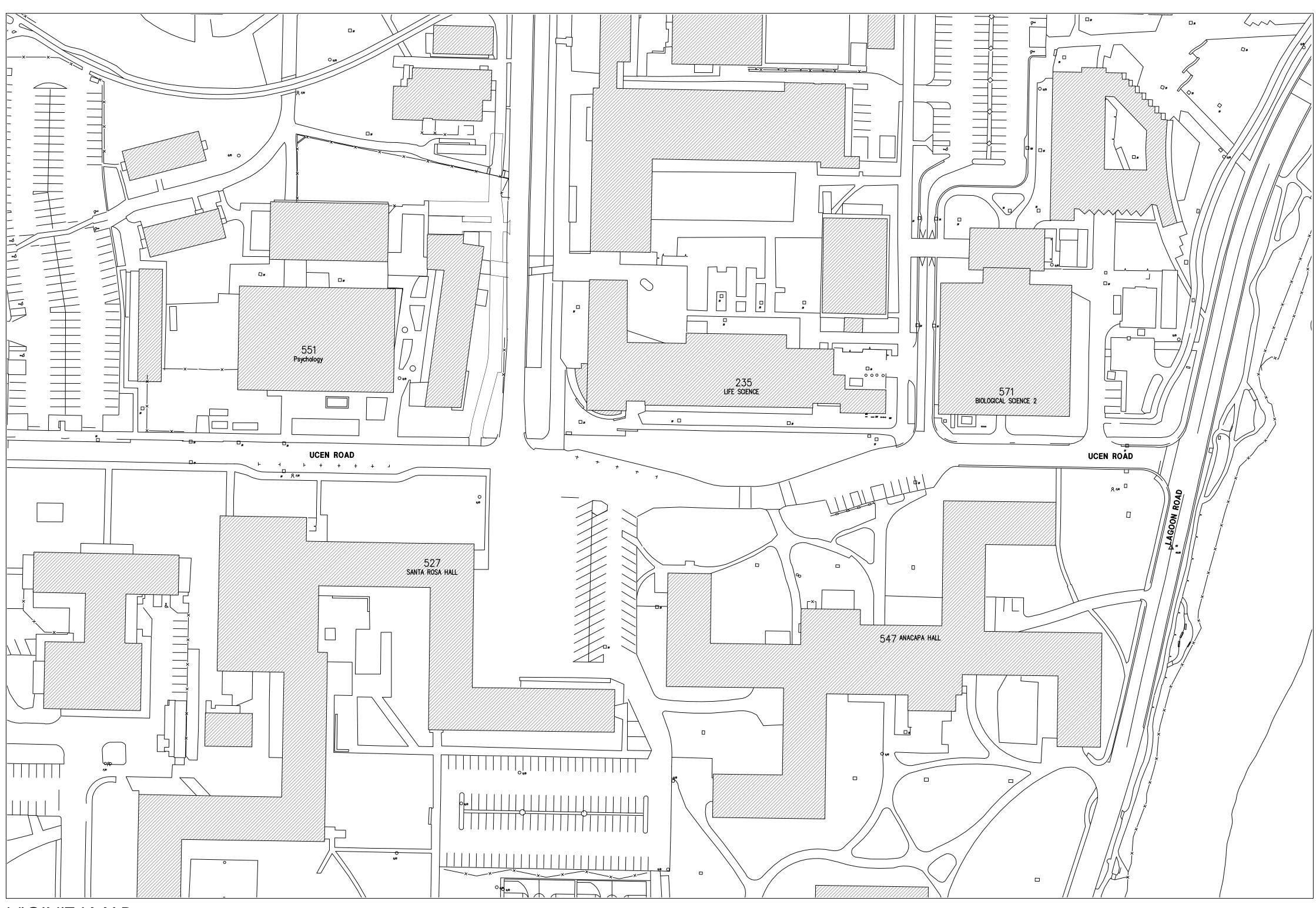
# University of California at Santa Barbara UCen Road Realignment FM No. 140426L/986615



VICINITY MAP

Landscape Architect

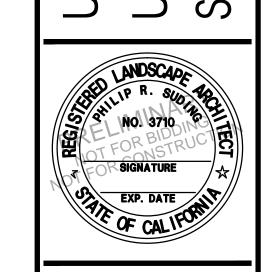
1263 Bel Air Drive

Date 11-12-13 6-12-14 90% CDS 8-20-14 100% CDS



140426L

 $\mathsf{FM}$ **UCSB** 



Drawn By CK

LO-00

Of 22 TITLE SHEET Job N<sup>o.</sup> 1206

# DEMOLITION KEY NOTES

- A REMOVE ENTIRE EXISTING TREE. STUMP GRIND.
- B (E) TREE TO REMAIN. PROTECT AND WATER DURING CONSTRUCTION.
- RELOCATE (E) TREE. BOX AND STORE FOR UCSB BIOENGINEERING PROJECT. COORDINATE STORAGE AND INSTALLATION WITH UNIVERSITY REPRESENTATIVE.
- D RELOCATE (E) TREE. COORDINATE (N) LOCATION, STORAGE AND PLACEMENT W/ UNIVERSITY REP.
- E RELOCATE ENTIRE EXISTING LIGHT STANDARD. COORDINATE (N) LOCATION, STORAGE AND PLACEMENT W/ UNIVERSITY REP.
- F REMOVE EXISTING CONCRETE PAVING COMPLETE
- G REMOVE EXISTING GRAVEL PAVING
- H REMOVE EXISTING AC PAVING. REFERENCE CIVIL PLAN FOR ADDITIONAL NOTES AND AREAS OF REMOVAL.
- (E) LIGHT STANDARD TO REMAIN
- RELOCATE (E) FIRE BACKFLOW AND BOLLARDS TO LOCATION TBD.
- K REMOVE (E) DETECTABLE WARNINGS
- REMOVE (E) BIKE RACKS. COORDINATE BIKE RACK REMOVAL AND STROAGE W/ UNIVERSITY REP.

### NOTES:

- REFERENCE CIVIL ENGINEER'S PLANS FOR SITE DEMOLITION WORK. COORDINATE
- TREE & SHRUB REMOVAL SHOWN ON THIS PAGE WITH SITE DEMOLITION.

  2. EXISTING TREES SHOWN TO REMAIN SHALL BE PROTECTED DURING CONSTRUCITON.
  REFERENCE SPECIFICATIONS.

000000 SUDING DESIGN Landscape Architects

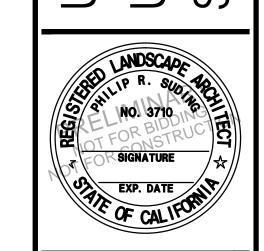
1263 Bel Air Drive Santa Barbara, CA 93101 Telephone (805) 687-9455 Facsimile (805) 687-9433

Date 11-12-13 6-12-14 90% CDS 8-20-14 100% CDS

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UCSB

ad Realignment **UCSB UCen Ro** 



Drawn By <u>CK</u>

Job N<sup>o.</sup> 1206

Of 22

SCALE 1" =20'-0"

DEMOLITION PLAN

# DEMOLITION KEY NOTES

- A REMOVE ENTIRE EXISTING TREE. STUMP GRIND.
- B (E) TREE TO REMAIN. PROTECT AND WATER DURING CONSTRUCTION.
- RELOCATE (E) TREE. BOX AND STORE FOR UCSB BIOENGINEERING PROJECT. COORDINATE STORAGE AND INSTALLATION WITH UNIVERSITY REPRESENTATIVE.
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Date 11-12-13 6-12-14 90% CDS 8-20-14 100% CDS

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**UCSB UCen Road Realignment** 

California

Barbara,

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Job N<sup>o.</sup> 1206

L1-01 Of 22

SCALE 1" = 20'-0" DEMOLITION PLAN

52/ SANTA ROSA HALL

2) JOIN NEW CONCRETE TO (E) CONCRETE PER CIVIL PLAN.

DETECTABLE WARNINGS. NEW DETECTABLE WARNINGS SET IN CONCRETE ANCHORS AT BIKE CROSSINGS. (15-00)
3' WIDE PER CAMPUS STANDARD. REFERENCE SPECIFICATIONS & CIVIL ENGINEER'S PLANS.

4 GREY CONCRETE WALK AND RAMPS PER CIVIL DETAIL

(5) CLASS 2 BASE BIKE PARKING AREA W/ 2X6 RECYCLED HEADER. (2)

PEAK CAMPUS HIGH DENSITY RACK, HOT DIPPED GALVANIZED, ARRANGED PER PLAN. RACK SIZE AS NOTED. INSTALL PER MANUFACTURER'S SPECIFICATIONS, PERMANENT MOUNT. (N) BIKE RACKS TO BE FURNISHED BY UNIVERSITY AND INSTALLED BY

(7) (N) A.C. PARKING LOT. REFERENCE CIVIL ENGINEER'S PLANS.

RELOCATED LIGHT STANDARD. INSTALL PER UNIVERISTY SPECS & DETAILS.

(N) LIGHT: LUMEC CAND TYPE 3 LIGHT FIXTURE MOUNTED ON 14' POLE. INSTALL (PER MANUF. RECOMMENDATIONS.

(N) LIGHT: LUMEC CAND TYPE 5 LIGHT FIXTURE MOUNTED ON 14' POLE. INSTALL 4
PER MANUF. RECOMMENDATIONS.

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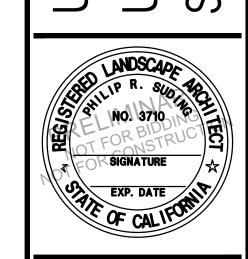
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ON **PROJECT** UCSB

Realignment **UCSB UCen Ro** 

California

Barbara,



Drawn By <u>CK</u>

L2-00

Of 22 Job N<sup>o.</sup> 1206

SCALE 1" = 20'-0" LAYOUT PLAN 547 ANACAPA HALL

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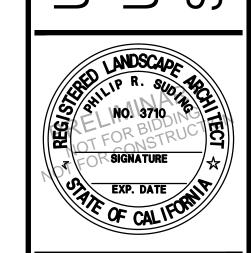
Date 11-12-13 6-12-14 90% CDS 8-20-14 100% CDS

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**UCSB UCen Road Realignment** UCen Santa

California

Barbara,

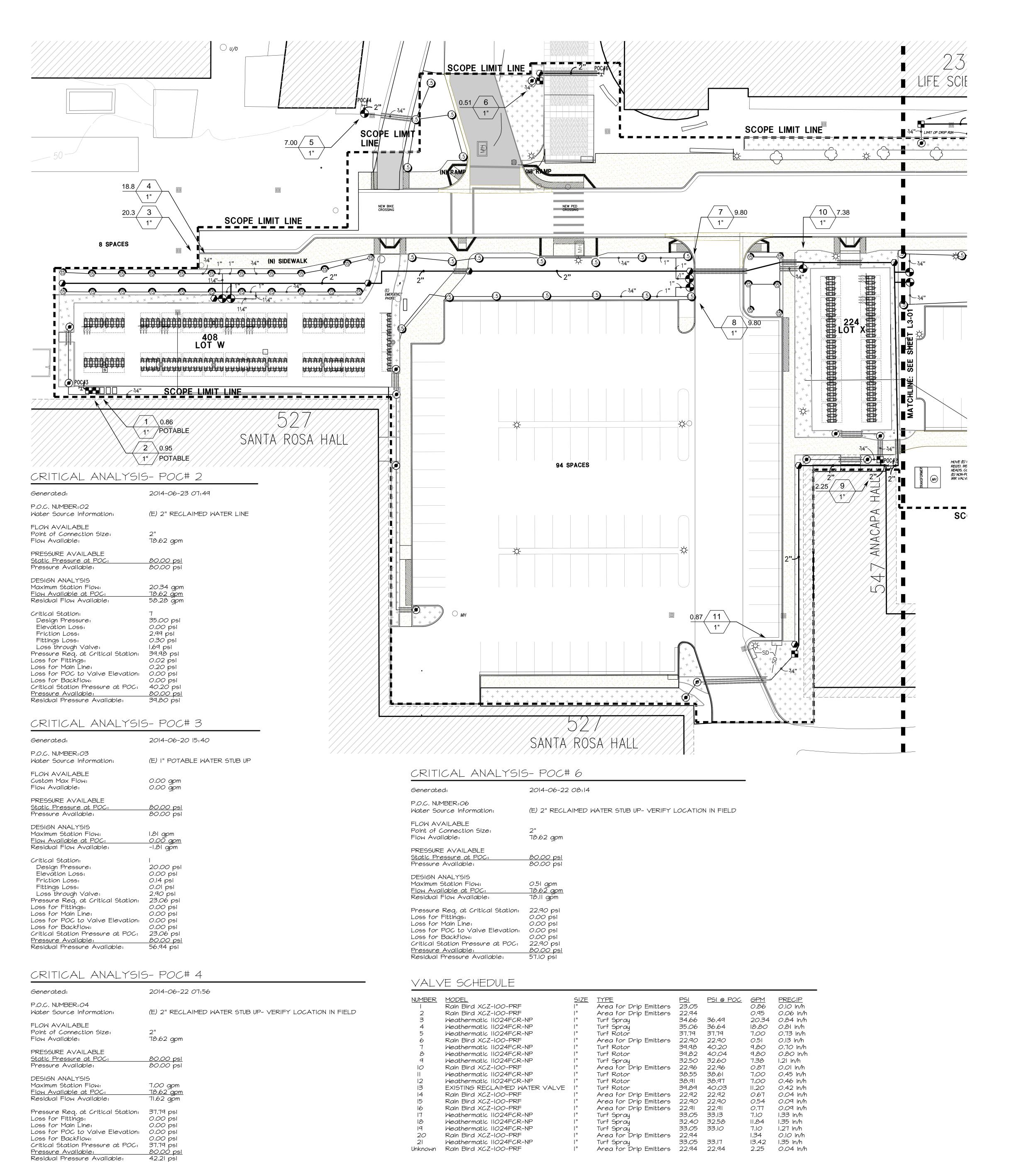


Drawn By <u>CK</u>

L2-01

Of 22 Job N<sup>o.</sup> 1206

SCALE 1" = 20'-0" LAYOUT PLAN



## IRRIGATION LEGEND:

REFERENCE CIVIL ENGINEER'S PLANS FOR WATER LINES AND FIRE BACKFLOW.

VERIFY LOCATIONS OF ABOVE GRADE STRAINER IN FIELD.

SEE SHEET THIS SHEET FOR IRRIGATION SCHEDULE, VALVE SCHEDULE AND CRITICAL ANALYSIS. SEE SHEETS L6-00 FOR IRRIGATION DETAILS AND RECLAIMED WATER SEPARATION NOTES AND

#### IDDIGATION SCHEDILLE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	<u> QTY</u>	<u>PSI</u>		
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Rain Bird 1806-SAM-NP 10 Series MPR 6" popup with check valve, purple cap.	54	30		
(5) (5) (5) (5) (5) Q T H TT TQ F	Rain Bird 1806-SAM-NP 15 Series MPR 6" popup with check valve, purple cap.	29	30		
<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	<u> QTY</u>	<u>PSI</u>	<u>GPM</u>	RADIU
<b>(5)</b>	Hunter I-20-6P-ARS, 3RS Turf Rotor, 6" popup, adjustable and full circle, with reclaimed water cover, stainless steel riser	42	35	1.40	31'
<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>			
	Rain Bird XCZ-100-PRF Drip Control Kit, I" DV valve, I" pressure regulating filter.	9			
<b>②</b>	Pipe Transition Point Pipe transition point from PVC lateral to drip tubing with riser in drip box.	19			
+ + + + + + + + + + + + + + + + + + + +	Area to Receive Drip Emitters Toro T-DPJ04-A Single Outlet Emitter, 10 - 50 PSI, 1.0 GPH, pressure-compensating. 0.5 gph=Blue, 1.0 gph=Black, 2.0 gph=Red. Emitter Notes: flat plant to receive I of -02 emitter. 4"pot plant to receive I of -02 emitter. I gal plant to receive I of -02 emitter. I gal@ plant to receive I of -02 emitter. 5 gal plant to receive 2 of -02 emitters. 15 gal plant to receive 3 of -02 emitters. 15 GAL \$ 24" BOX plant to receive 3 of -02 emitters. 24"box plant to receive 4 of -02 emitters. 24" \$ 36" BOX plant to receive 5 of -02 emitters. 36"box plant to receive 5 of -02 emitters. 3 gal plant to receive 2 of -02 emitters.	II,927 s.f.			
<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>			
•	Weathermatic IIO24FCR-NP Plastic Remote Control Valve, I", I-I/2", 2" size as noted, non-potable purple handle.	12			
$\Theta$	EXISTING RECLAIMED WATER VALVE Reclaimed Water ID Purple Tag.	I			
	Quick Coupler Valve W/ PURPLE CAP	11			
C	EXISTING Rain Master Controller Rainmaster Evolution DX2 Controller SA6-RM4-24/ETHR/FSAV-200B Rainmaster 24 station stainless steel exterior top entry strongbox, 24 station DX2 assembly, Add (1) 24 Station assembly if req'd. Ethernet assembly, Ethernet communication package, flow board, 2"	I			
POC#1 	normally open master valve, and 2" flow sensor.  — Point of Connection 2"	I			
POC#2	(E) 2" RECLAIMED WATER  — Point of Connection 2"	ı			
POC#3	(E) 2" RECLAIMED WATER LINE	1			
P0C#4	(E) I" POTABLE WATER STUB UP	ı			
년 PQC#5	<ul> <li>Point of Connection 2"</li> <li>(E) 2" RECLAIMED WATER STUB UP- VERIFY</li> <li>LOCATION IN FIELD</li> </ul>	I			
т ——	<ul> <li>Point of Connection 2"</li> <li>(E) 2" RECLAIMED WATER STUB UP- VERIFY</li> <li>LOCATION IN FIELD</li> </ul>	1			
POC#6 '吐' ————	— Point of Connection 2" (E) 2" RECLAIMED WATER STUB UP- VERIFY LOCATION IN FIELD	1			
POC#7 上	Point of Connection 2"  (E) 2" RECLAIMED WATER STUB UP- VERIFY LOCATION IN FIELD	I			
	Irrigation Lateral Line: Blu-Lock and PVC Class 200 Blu-Lock pipe, as manufactured by Hydro Rain, 1/2" to 1", then PVC Class 200 for 1-1/4" and larger. Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4" in size.	2,710 l.f.			
	Irrigation Mainline: PVC Schedule 40 and Class 315 PVC Schedule 40 to 1-1/2", PVC Class 315 SDR 13.5 for pipes 2" and larger.	1,093 l.f.			
	Pipe Sleeve: Ductile Iron Pipe (E) 2" PURPLE RECLAIMED WATER LINE Valve Callout	235.4 l.f.			
# # # •	──Valve Number ──Valve Flow				

SCALE 1'' = 20'-0''IRRIGATION PLAN

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1263 Bel Air Drive Santa Barbara, CA 9310 Telephone (805) 687-9455 Facsimile (805) 687-9433

Date 11-12-13 6-12-14 90% CDS 8-20-14 100% CDS

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OF CALIFOR

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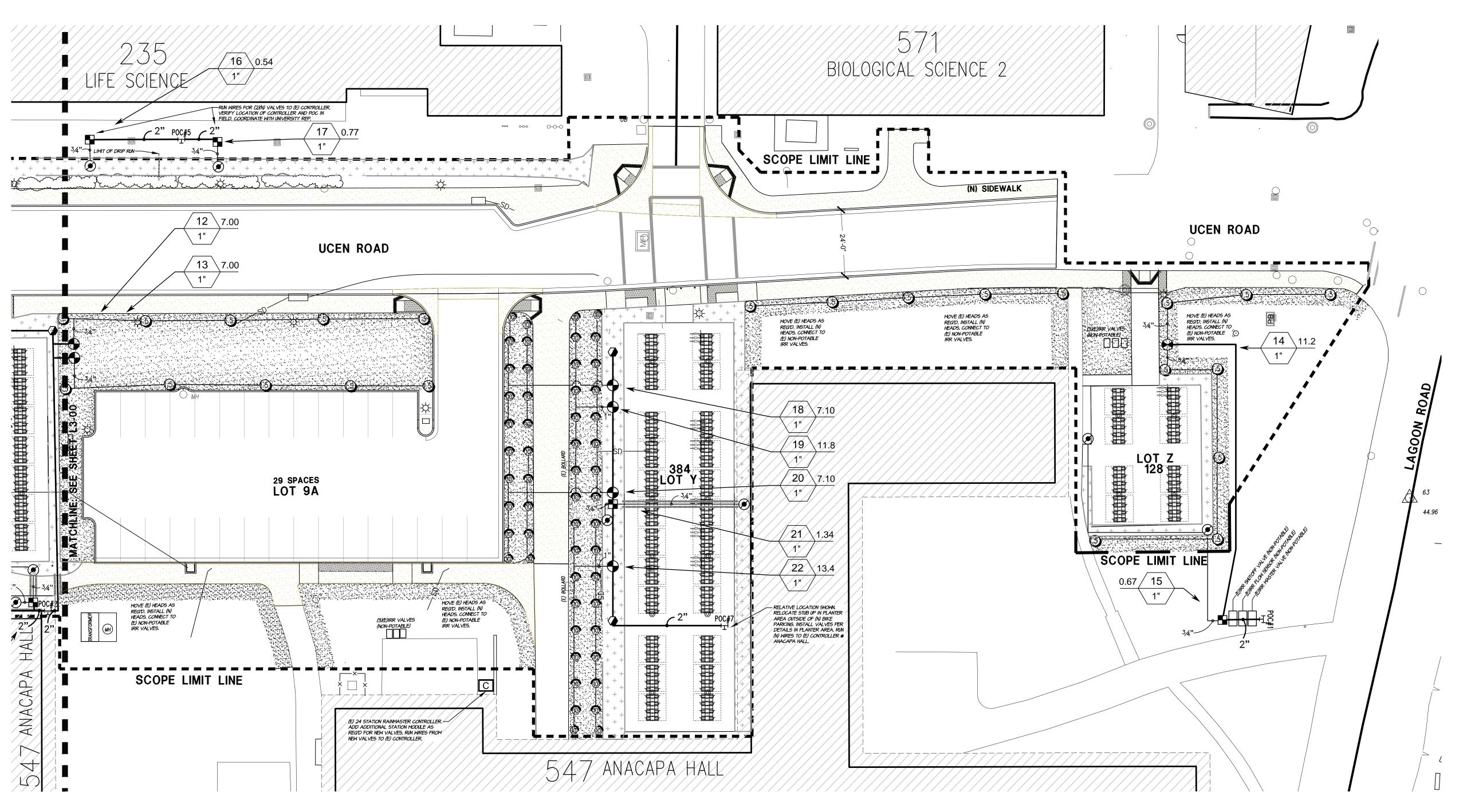
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 $\Box$ 

Drawn By CK

Sheet L3-00

Of 22 Job No. 1206



CRITICAL	ANALYSIS-	POC#	
			ı

Generated:	2014-06-20 15:21
P.O.C. NUMBER:01 Water Source Information:	(E) 2" RECLAIMED WATER
FLOW AVAILABLE Point of Connection Size: Flow Available:	2" 78.62 gpm
PRESSURE AVAILABLE Static Pressure at POC: Pressure Available:	80.00 psi 80.00 psi
DESIGN ANALYSIS Maximum Station Flow: Flow Available at POC: Residual Flow Available:	11.20 gpm <u>78.62 gpm</u> 67.42 gpm
Pressure Req. at Critical Station: Loss for Fittings: Loss for Main Line: Loss for POC to Valve Elevation: Loss for Backflow: Critical Station Pressure at POC: Pressure Available: Residual Pressure Available:	39.89 psi O.01 psi O.13 psi O.00 psi O.00 psi 40.03 psi 80.00 psi 39.97 psi

#### CRITICAL ANALYSIS- POC# 5

CRITICAL ANALISIS	D- POC# D
Generated:	2014-06-22 07:33
P.O.C. NUMBER:05 Water Source Information:	(E) 2" RECLAIMED WATER STUB UP- VERIFY LOCATION IN FIEL
FLOW AVAILABLE Point of Connection Size: Flow Available:	2" 78.62 gpm
PRESSURE AVAILABLE Static Pressure at POC: Pressure Available:	<u>80.00 psi</u> 80.00 psi
DESIGN ANALYSIS Maximum Station Flow: <u>Flow Available at POC:</u> Residual Flow Available:	0.77 gpm <u>78.62 gpm</u> 77.85 gpm
Pressure Req. at Critical Station: Loss for Fittings: Loss for Main Line: Loss for POC to Valve Elevation: Loss for Backflow: Critical Station Pressure at POC: Pressure Available: Residual Pressure Available:	22.91 psi 0.00 psi 0.00 psi 0.00 psi 0.00 psi 22.91 psi 22.91 psi 80.00 psi 57.09 psi

## CRITICAL ANALYSIS- POC# 7

Generated:	2014-06-23 07:33
P.O.C. NUMBER:07 Water Source Information:	(E) 2" RECLAIMED WATER STUB UP- VERIFY LOCATION IN FIELD
FLOW AVAILABLE Point of Connection Size: Flow Available:	2" 78.62 gpm
PRESSURE AVAILABLE Static Pressure at POC: Pressure Available:	80.00 psi 80.00 psi
DESIGN ANALYSIS Maximum Station Flow: <u>Flow Available at POC:</u> Residual Flow Available:	13.42 gpm <u>78.62 gpm</u> 65.20 gpm
Pressure Req. at Critical Station: Loss for Fittings: Loss for Main Line: Loss for POC to Valve Elevation: Loss for Backflow: Critical Station Pressure at POC: Pressure Available: Residual Pressure Available:	33.05 psi 0.01 psi 0.11 psi 0.00 psi 0.00 psi 33.17 psi 80.00 psi 46.83 psi

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VALVE SCHEDULE							
NUMBER I	MODEL Rain Bird XCZ-100-PRF	<u>SIZE</u>  "	TYPE Area for Drip Emitters	<u>PSI</u> 23.05	<u>PSI @ POC</u>	<u>GPM</u> 0.86	PRECIP O.10 in/h
2 3	Rain Bird XCZ-100-PRF	"	Area for Drip Emitters	22.94	26.40	0.95	0.06  in/h
4	Weathermatic IIO24FCR-NP Weathermatic IIO24FCR-NP	 	Turf Spray Turf Spray	34.66 35.06	36.49 36.64	20.34 18.80	0.84 in/h 0.81 in/h
5	Weathermatic 11024FCR-NP	 	Turf Rotor	37.79	37.79	7.00	0.73 in/h
6	Rain Bird XCZ-100-PRF	j"	Area for Drip Emitters	22.90	22.90	0.51	0.13 in/h
7	Weathermatic 11024FCR-NP	"	Turf Rotor '	39.98	40.20	9.80	0.70 in/h
8	Weathermatic 11024FCR-NP	1"	Turf Rotor	39.82	40.04	9.80	0.80 in/h
9	Rain Bird XCZ-100-PRF	"	Area for Drip Emitters	22.94	22.94	2.25	0.04 in/h
10	Weathermatic 11024FCR-NP	1"	Turf Spray	32.5 <i>0</i>	32.60	7.38	1.21 in/h
Ш	Rain Bird XCZ-100-PRF	1"	Area for Drip Emitters	22.96	22.96	0.87	0.01 in/h
12	Weathermatic 11024FCR-NP	1"	Turf Rotor	38.55	38.61	7.00	0.45 in/h
13	Weathermatic 11024FCR-NP	1"	Turf Rotor	38.91	38.97	7.00	0.46 in/h
14	EXISTING RECLAIMED WATER VALVE	1"	Turf Rotor	39.89	40.03	II.20	0.42 in/h
15	Rain Bird XCZ-100-PRF	1"	Area for Drip Emitters	22.92	22.92	0.67	0.04 in/h
16	Rain Bird XCZ-100-PRF	["	Area for Drip Emitters	22.90	22.90	0.54	0.09 in/h
17	Rain Bird XCZ-100-PRF	1"	Area for Drip Emitters	22.91	22.91	0.77	0.09 in/h
18	Weathermatic 11024FCR-NP	1"	Turf Spray '	33. <i>0</i> 5	33.13	7.10	1.33 in/h
19	Weathermatic 11024FCR-NP	1"	Turf Spray	32.40	32.58	11.84	1.35 in/h
20	Weathermatic 11024FCR-NP	1"	Turf Spray	33. <i>0</i> 5	33.10	7.10	1.27 in/h
21	Rain Bird XCZ-100-PRF	1"	Area for Drip Emitters	22.94		1.34	0.10 in/h
22	Weathermatic IIO24FCR-NP	"	Turf Spray	<i>33.0</i> 5	33.17	13.42	1.35 in/h

## IRRIGATION LEGEND:

REFERENCE CIVIL ENGINEER'S PLANS FOR WATER LINES AND FIRE BACKFLOW.

VERIFY LOCATIONS OF ABOVE GRADE STRAINER IN FIELD.

SEE SHEET THIS SHEET FOR IRRIGATION SCHEDULE, VALVE SCHEDULE AND CRITICAL ANALYSIS. SEE SHEETS L6-00 FOR IRRIGATION DETAILS AND RECLAIMED WATER SEPARATION NOTES AND DETAILS.

#### IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>	<u>PSI</u>		
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Rain Bird 1806-SAM-NP 10 Series MPR 6" popup with check valve, purple cap.	54	30		
(15) (15) (15) (15) (15) (15) (15) (15)	Rain Bird 1806-SAM-NP 15 Series MPR 6" popup with check valve, purple cap.	29	30		
<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>	<u>PSI</u>	<u>GPM</u>	<u>RADI</u>
(5)	Hunter I-20-6P-ARS, 3RS Turf Rotor, 6" popup, adjustable and full circle, with reclaimed water cover, stainless steel riser	42	35	1.40	31'
<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>			
<b>5</b>	Rain Bird XCZ-100-PRF Drip Control Kit, I" DV valve, I" pressure regulating filter.	9			
<b>②</b>	Pipe Transition Point Pipe transition point from PVC lateral to drip tubing with riser in drip box.	19			
	Area to Receive Drip Emitters Toro T-DPJO4-A Single Outlet Emitter, IO - 50 PSI, I.O GPH, pressure-compensating. O.5 gph=Blue, I.O gph=Black, 2.O gph=Red. Emitter Notes: flat plant to receive I of -O2 emitter. 4"pot plant to receive I of -O2 emitter. I gal plant to receive I of -O2 emitter. I gal@ plant to receive I of -O2 emitter. 5 gal plant to receive 2 of -O2 emitters. I5 gal plant to receive 3 of -O2 emitters. I5 GAL & 24" BOX plant to receive 3 of -O2 emitters. 24"box plant to receive 4 of -O2 emitters. 24" & 36" BOX plant to receive 5 of -O2 emitters. 36"box plant to receive 5 of -O2 emitters.	11,927 s.f.			
<u>SYMBOL</u>	3 gal plant to receive 2 of -02 emitters.  MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>			
•	Weathermatic IIO24FCR-NP Plastic Remote Control Valve, I", I-I/2", 2" size as noted, non-potable purple handle.	12			
$\Theta$	EXISTING RECLAIMED WATER VALVE Reclaimed Water ID Purple Tag.	I			
	Quick Coupler Valve W/ PURPLE CAP	II			
C	EXISTING Rain Master Controller Rainmaster Evolution DX2 Controller SA6-RM4-24/ETHR/FSAV-200B Rainmaster 24 station stainless steel exterior top entry strongbox, 24 station DX2 assembly, Add (1) 24 Station assembly if req'd. Ethernet assembly, Ethernet communication package, flow board, 2"	I			
POC#1 一	normally open master valve, and 2" flow sensor.  — Point of Connection 2"	1			
POC#2	(E) 2" RECLAIMED WATER	ı			
_ POC#3	Point of Connection 2" (E) 2" RECLAIMED WATER LINE				
<b>サ</b>	(E) I" POTABLE WATER STUB UP	I			
POC#5	- Point of Connection 2" (E) 2" RECLAIMED WATER STUB UP- VERIFY LOCATION IN FIELD	I			
POC#5 '±'	- Point of Connection 2" (E) 2" RECLAIMED WATER STUB UP- VERIFY LOCATION IN FIELD	1			
POC#6 '±'	- Point of Connection 2" (E) 2" RECLAIMED WATER STUB UP- VERIFY LOCATION IN FIELD	1			
POC#7 '±'	- Point of Connection 2" (E) 2" RECLAIMED WATER STUB UP- VERIFY LOCATION IN FIELD	I			
	Irrigation Lateral Line: Blu-Lock and PVC Class 200 Blu-Lock pipe, as manufactured by Hydro Rain, 1/2" to 1", then PVC Class 200 for 1-1/4" and larger. Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4" in size.	2,710 l.f.			
	Irrigation Mainline: PVC Schedule 40 and Class 315 PVC Schedule 40 to 1-1/2", PVC Class 315 SDR 13.5 for pipes 2" and larger.	1,093 l.f.			
	Pipe Sleeve: Ductile Iron Pipe (E) 2" PURPLE RECLAIMED WATER LINE /alve Callout	235.4 l.f.			
# # # •	──Valve Number ──Valve Flow				
#" •	— Valve Size				

SCALE 1" = 20'-0" IRRIGATION PLAN

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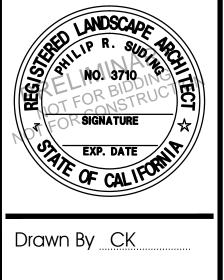
Date 11-12-13 6-12-14 90% CDS 8-20-14 100% CDS

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SB

PROJEC Realignment

80 Barbara **UCSB** 



L3-01

Of 22 Job N<sup>o.</sup> 1206

SANTA ROSA HALL

TREE LEGEND- SHEET L3-00 AND L3-01

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY TO	QUANTITY	SIZE	NOTES:
			BE REMOVED	TO BE PLANTED		
CHA HUM	CHAMAEROPS HUMILIS	EUROPEAN FAN PAL	M 7 (RELOCATE)	0		(2) THIS SHEET
EUC CIT	EUCALYPTUS CITRIODORA	LEMON SCENTED GU	М 3	0		(2) THIS SHEET
EUC GLO	EUCALYPTUS GLOBULUS	TASMANIAN BLUE GL	M 13	0	>8DBH	(13) THIS SHEET
FIC MIC	FICUS MICROCARPA	CHINESE BAYAN		0		SEE SHEET LI-C
OLE EUR	OLEA EUROPAEA	<i>o</i> live	2	0		(I) THIS SHEET
PHO REC	PHOENIX RECLINATA (MULTI)	SENEGAL DATE PAL	M I (RELOCATE)	0		SEE SHEET LI-C
POD GRA	PODOCARPUS GRACILIOR	FERN PINE		0		SEE SHEET LI-C
SYA ROM	SYAGRUS ROMANZOFFIANA	QUEEN PALM		0		(I) THIS SHEET

(78 PER PLANT SCHEDULE) TOTAL: 29 (BOTH SHEETS)

13 TREES ARE OVER 8-DBH AND REQUIRE REPLACEMENT AT 3:1 RATIO 14 TREES ARE LESS THAN 8-DBH AND REQUIRE REPLACEMENT AT 1:1 RATIO TOTAL REQUIRED TREES FOR PROJECT: 55. TOTAL PROPOSED TREES TO BE PLANTED: 78

PLANT\_SCHEDULE

TREES	BOTANICAL NAME / COMMON NAME	<u>CONT</u>		QTY	REMARKS
	Chamaerops humilis / Mediterranean Fan Palm	15 gal		20	Multi
$\{\cdot\}$	Acacia stenophylla / Shoestring Acacia	24"box		5	
	Syagrus romanzoffiana / Queen Palm	15 gal		7	
$\langle \cdot \rangle$	Ulmus parvifolia 'Drake' / Chinese Elm	24"box		39	
SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	<u>SPACING</u>	<u> QTY</u>	<u>REMARKS</u>
E CONSTRUCTION OF THE PROPERTY	Bougainvillea x 'La Jolla' / Bougainvillea	5 gal	60" o.c.	19	
All Market	Muhlenbergia rigens / Deer Grass	l gal	36" o.c.	15	
*	Phormium cookianum 'Cream Delight' / Variegated New Zealand Flax	5 gal	48" o.c.	57	
33000000000000000000000000000000000000	Pittosporum tenuifolium 'Marjorie Channon' / Tawhiwhi	5 gal	96" o.c.	19	
	Pittosporum tobira 'Variegata' / Variegated Mock Orange	5 gal	48" o.c.	157	
<u>GROUND COVERS</u>	BOTANICAL NAME / COMMON NAME	<u>CONT</u>	<u>SPACING</u>	<u>QTY</u>	REMARKS
	Myoporum parvifolium 'Pink' / Pink Australian Racer	l gal	60" o.c.	68	
	Marathon II sod / Marathon II	SEED OR SOD		18,794 sf	
	Senecio mandraliscae 'Blue Chalk Sticks' / Senecio	flat	36" o.c.	117	

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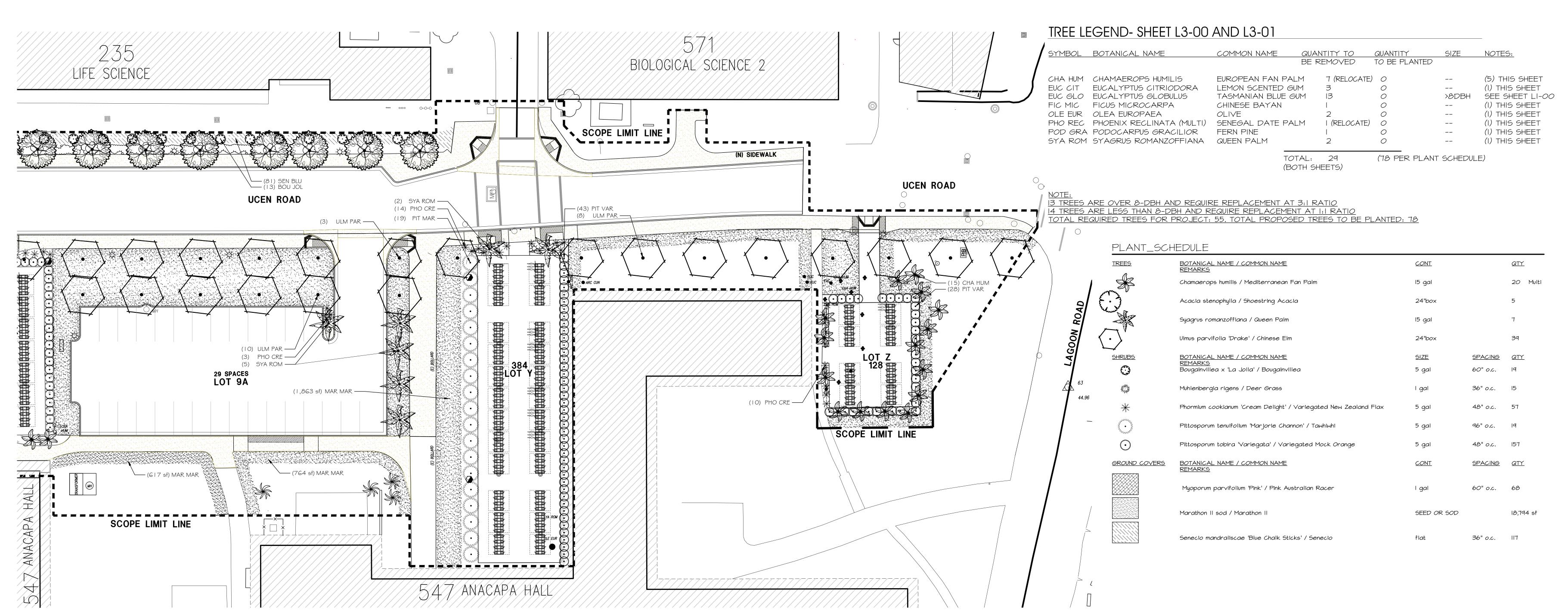


Drawn By <u>CK</u>

L4-00

Of 22 Job N<sup>o.</sup> 1206

SCALE 1" = 20'-0" PLANTING PLAN



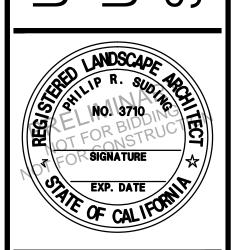
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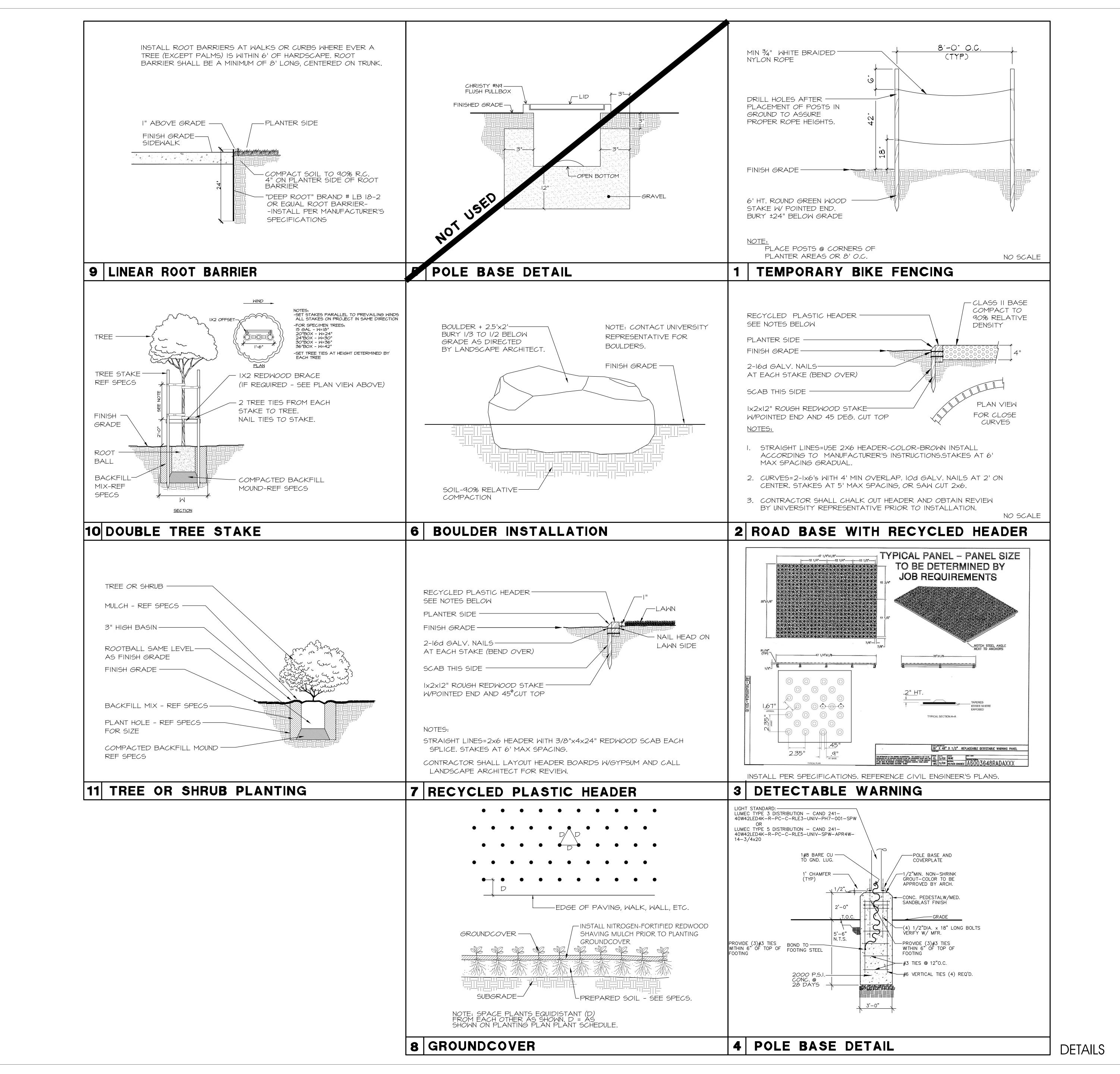
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SCALE 1" = 20'-0"

PLANTING PLAN



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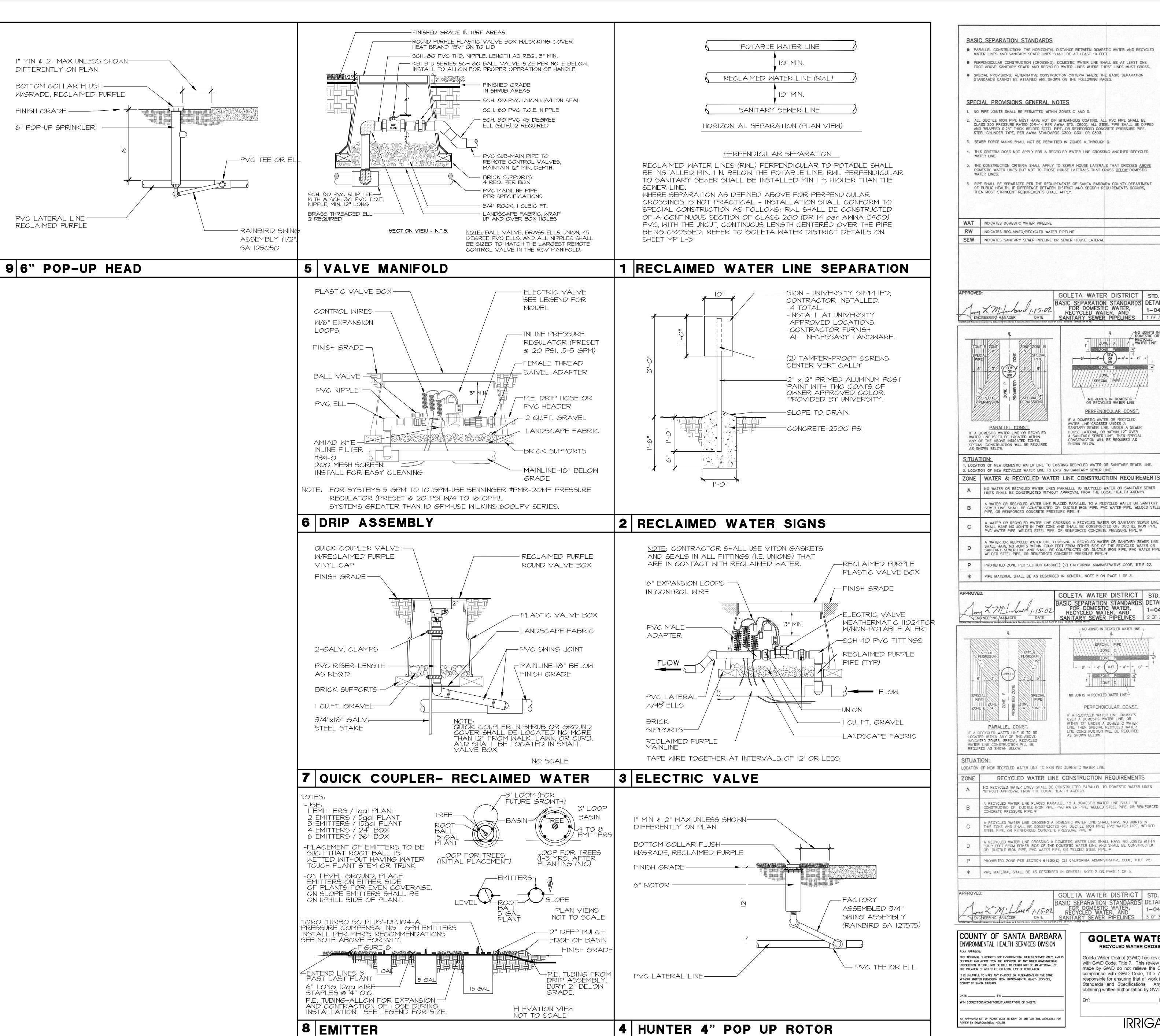
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LANDSCAPE

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L5-00 Of 22

Job No. 1206



BASIC SEPARATION STANDARDS PARALLEL CONSTRUCTION: THE HORIZONTAL DISTANCE BETWEEN DOMESTIC WATER AND RECYCLED. WATER LINES AND SANITARY SEWER LINES SHALL BE AT LEAST 10 FEET. PERPENDICULAR CONSTRUCTION (CROSSING): DOMESTIC WATER LINE SHALL BE AT LEAST ONE SPECIAL PROVISIONS: ALTERNATIVE CONSTRUCTION CRITERIA WHERE THE BASIC SEPARATION STANDARDS CANNOT BE ATTAINED ARE SHOWN ON THE FOLLOWING PAGES. SPECIAL PROVISIONS GENERAL NOTES 1. NO PIPE JOINTS SHALL BE PERMITTED WITHIN ZONES C AND D. . ALL DUCTILE IRON PIPE MUST HAVE HOT DIP BITUMINOUS COATING. ALL PVC PIPE SHALL BE CLASS 200 PRESSURE RATED (DR-14 PER AWWA STD, C900). ALL STEEL PIPE SHALL BE DIPPED AND WRAPPED 0.25" THICK WELDED STEEL PIPE, OR REINFORCED CONCRETE PRESSURE PIPE, STEEL CYLINDER TYPE, PER AWWA STANDARDS C300, C301 OR C303. SEWER FORCE MAINS SHALL NOT BE PERMITTED IN ZONES A THROUGH D. THIS CRITERIA DOES NOT APPLY FOR A RECYCLED WATER LINE CROSSING ANOTHER RECYCLED THE CONSTRUCTION CRITERIA SHALL APPLY TO SEWER HOUSE LATERALS THAT CROSSES ABOVE DOMESTIC WATER LINES BUT NOT TO THOSE HOUSE LATERALS THAT CROSS BELOW DOMESTIC PIPE SHALL BE SEPARATED PER THE REQUIREMENTS OF SANTA BARBARA COUNTY DEPARTMENT OF PUBLIC HEALTH. IF DIFFERENCE BETWEEN DISTRICT AND SBCDPH REQUIREMENTS OCCURS, THEN MOST STRINGENT REQUIREMENTS SHALL APPLY. WAT | INDICATES DOMESTIC WATER PIPELINE INDICATES RECLAIMED/RECYCLED WATER PIPELINE SEW | INDICATES SANITARY SEWER PIPELINE OR SEWER HOUSE LATERAL GOLETA WATER DISTRICT | STD. BASIC SEPARATION STANDARDS DETAIL FOR DOMESTIC WATER, RECYCLED WATER, AND 1-04 SANITARY SEWER PIPELINES ZONE D PERPENDICULAR CONST. IF A DOMESTIC WATER OR RECYCLED WATER LINE CROSSES UNDER A SANITARY SEWER LINE, UNDER A SEWER PARALLEL CONST. A DOMESTIC WATER LINE OR RECYCLED OUSE LATERAL OR WITHIN 12" OVER WATER LINE IS TO BE LOCATED WITHIN ANY OF THE ABOVE INDICATED ZONES, CONSTRUCTION WILL BE REQUIRED AS SPECIAL CONSTRUCTION WILL BE REQUIRED I. LOCATION OF NEW DOMESTIC WATER LINE TO EXISTING RECYCLED WATER OR SANITARY SEWER LINE. LOCATION OF NEW RECYCLED WATER LINE TO EXISTING SANITARY SEWER LINE. ZONE | WATER & RECYCLED WATER LINE CONSTRUCTION REQUIREMENTS NO WATER OR RECYCLED WATER LINES PARALLEL TO RECYCLED WATER OR SANITARY SEWER LINES SHALL BE CONSTRUCTED WITHOUT APPROVAL FROM THE LOCAL HEALTH AGENCY. A WATER OR RECYCLED WATER LINE PLACED PARALLEL TO A RECYCLED WATER OR SANITARY SEWER LINE SHALL BE CONSTRUCTED OF: DUCTILE IRON PIPE, PVC WATER PIPE, WELDED STEEL PIPE, OR REINFORCED CONCRETE PRESSURE PIPE. \* WATER OR RECYCLED WATER LINE CROSSING A RECYCLED WATER OR SANITARY SEWER LINE HALL HAVE NO JOINTS IN THIS ZONE AND SHALL BE CONSTRUCTED OF: DUCTILE IRON PIPE, VC WATER PIPE, WELDED STEEL PIPE, OR REINFORCED CONCRETE PRESSURE PIPE. \* WATER OR RECYCLED WATER LINE CROSSING A RECYCLED WATER OR SANITARY SEWER LINE SHALL HAVE NO JOINTS WITHIN FOUR FEET FROM EITHER SIDE OF THE RECYCLED WATER OR SANITARY SEWER LINE AND SHALL BE CONSTRUCTED OF: DUCTILE IRON PIPE, PVC WATER PIPE, WELDED STEEL PIPE, OR REINFORCED CONCRETE PRESSURE PIPE. \* PROHIBITED ZONE PER SECTION 64630(E) (2) CALIFORNIA ADMINISTRATIVE CODE, TITLE 22. PIPE MATERIAL SHALL BE AS DESCRIBED IN GENERAL NOTE 2 ON PAGE 1 OF 3. GOLETA WATER DISTRICT | STD. BASIC SEPARATION STANDARDS DETAIL FOR DOMESTIC WATER, RECYCLED WATER, AND SANITARY SEWER PIPELINES SPECIAL PIPE ZONEIC 6'-4'-( WAT )-4'-6'-ZONE P ZONE D NO JOINTS IN RECYCLED WATER LINE-

ANDSCAPE

1-04

PERPENDICULAR CONST.

OVER A DOMESTIC WATER LINE, OR

WITHIN 12" UNDER A DOMESTIC WATER LINE, THEN SPECIAL RECYCLED WATER

LINE CONSTRUCTION WILL BE REQUIRED AS SHOWN BELOW.

GOLETA WATER DISTRICT | STD.

BASIC SEPARATION STANDARDS DETAIL FOR DOMESTIC WATER, RECYCLED WATER, AND SANITARY SEWER PIPELINES 3 OF 3

**GOLETA WATER DISTRICT** 

RECYCLED WATER CROSS-CONNECTION REVIEW

Goleta Water District (GWD) has reviewed these plans for conformance

with GWD Code, Title 7. This review and any comments or corrections

made by GWD do not relieve the Owner/Applicant or Engineer from

compliance with GWD Code, Title 7. The Owner/Applicant shall be

responsible for ensuring that all work is done in accordance with GWD's

Standards and Specifications. Any change or alterations without

IRRIGATION DETAILS

obtaining written authorization by GWD are prohibited.

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SUDING DESIGN

Landscape Architects

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