

		waximum A	pplied Water A	iiowance (M	AWA)					
		MAWA=	(Eto) x 0.62 x	[(0.55 x LA)+(1 - 0.55	x SLA)]				
		(Eto)	LANDSCAPE AREA (LA)	ETAF			SLA	MAWA		
		` ,	3512				_		CALIVE	
		50.1	3512	0.55			0.00	59999.36	GAL/YR	
		Estimated 1	Total Water Use	(ETWU)						
		ETWU=(Eto)*(.62)*(PF*HA/	IE+SLA)				ETWU		
								52310.71	GAL/YR	
		Hydrozone '	 Table for Calcu	lating FTWI	1					
	Planting	Water		Irrigation		ETAF	Hydrozone	ETAF x		
Zone	1	Needs	PF	Method	IE	(PF/IE)	Area (HA)	НА		
1	Trees	Low	0.3	Drip	0.81	0.37	80	30	920.3	
2	Shrubs/GC	Low	0.3	Drip	0.81	0.37	381	141	4383.	
3	Shrubs	Low	0.3	Drip	0.81	0.37	393	146	4521.25 3577.86 4647.80	
4	Shrubs/GC	Low	0.3	Drip	0.81	0.37	311	115		
5	Shrubs/GC	Low	0.3	Drip	0.81	0.37	404	150		
6	Turf	High	0.8	Drip	0.81	0.99	430	425	13191.7 3002.6	
7	Shrubs/GC	Low	0.3	Drip	0.81	0.37	261	97		
8	Turf	High	0.8	Drip	0.81	0.99	191	189	5859.	
9	Groundcover	Low	0.3	Drip	0.81	0.37	372	138	4279.	
10	Trees	Low	0.3	Drip	0.81	0.37	60	22	690.2	
11	Shrubs/GC	Low	0.3	Drip	0.81	0.37	387	143	4452.	
12	Shrubs/Vines	Low	0.3	Drip	0.81	0.37	242	90	2784.	
Sum					0.81	0.47	3512.00	1684.07	52310	
							A	В		
Spec	ial Landscape	Areas								
						1.00	0	0		
Sum						1.00	0.00	0.00		
							C	D		
ETAF	CALCULATIO	<u>NS</u>								
	lar Landscape	Areas			All Lands					
Total ETAF x Area (I		(B)	1684.07		Total ETA	F x Area	(B+D)	1684.07		
Total Area		(A)	3512.00		Total Area	a	(A+C)	<u>3512.00</u>		
Average ETAF		(B / A)	0.48		Average E	TAF	(B+D / C+ A)	0.48		

		Legend				
	Botanical Name	Common Name	Size	Qty	WUCOLS	Listed By
1		Firecracker Island Snapdragon	1 Gal.	25	Low	N
2	Cercidium floridum	Palo Verde	24" Box	2	Low	N
3	Chilopsis linearis	Desert Willow	24" Box	2	Low	N
4	Juncus patens 'Elk Blue'	Elk Blue California Grey Rush	5 Gal.	33	Low	LAR
	Clematis pauciflora	Ropevine	Each	5		N
6	Olea europaea 'Fruitless'	Wilson Fruitless Olive	24" Box	2	Low	
7	Rhamnus californica ssp. californica	Coffeeberry	5 Gal.	26	Low	LAR
8	Salvia mellifera	Black Sage	5 Gal.	28	Low	LAR
9	Yucca whipplei	Our Lord's Candle	5 Gal.	13	Low	LAR
10	Dudleya pulverulenta	Chalk Dudleya plant @ 18"OC	flats	5	Low	LAR
11	Erigeron glaucus 'Sea Breeze'	Sea Breeze Seaside Daisy @ 18"OC	flats	8	Low	N
12	Leymus triticoides	Creeping Wildrye plant @ 24"OC	flats	2	Low	LAR
13	RTF Sod		621 s.f.		High	
	Street tree TBD by Urban Forestry		24" Box	1		
15	1"-2" Mexican River Rock		3.36 cu	. yd.		
16	3/4" Pea gravel @ 3" deep		2.37 cu			

LAR = Los Angeles County River Master Plan Landscaping Guidelines and Plant Palettes

NOTE: Soil in planting areas to be amended with Class I Forest Floor Mulch available from C&M Topsoil, Inc. 818-899-5485

Final determination of tree planting locations is subject to approval by Bureau of Street Services, Urban Forestry Division.

The Bureau of Street Services, Urban Forestry Division shall inspect and tag trees upondelivery to the job site. It is the responsibility of the Contractor to ensure the trees are the proper species approved by an authorized representative of Urban Forestry Division.

The street trees shall meet or exceed the criteria of good quality tree stock set forth by the UrbanTree Foundation's http://www.urbantree.org/ and the Western Chapter of the International Society of Arboriculture's (WCISA) Guideline Specifications for Nursery Tree Quality. http://www.wcisa.net/downloads/NurseryTreeSpecs.pdf

Contact Urban Forestry Division 213-847-3077 at least five working days before delivery to arrange an appointment with the inspector. Inspector shall review the proposed tree locations prior to the construction of the sidewalk. Urban Forestry Division accepts no responsibility for any purchasing and/or delivery arrangements and shall reject any trees failing to meet the specifications set forth in the Urban Tree Foundation's and WCISA's Guidelines Specifications for Nursery Tree Quality.

Contractor shall be responsible for any permit requirements or fees.

RIO APPLICATION AND CHECKLIST FOR MINISTERIAL REVIEW Administrative Clearance for River Improvement Overlay District Related Zone Code Sections: Ordinance 183,145 established the River Improvement Overlay (RIO) District; Refer to the Section 13.17 of the Los Angeles Municipal Code for detailed instructions. Note: The Administrative Clearance fee shall be paid prior to receiving the Section F- Development Regulations 1. Landscaping. Indicate the drawing sheet that illustrates the percentage of new landscaped area and the associated plant species. The drawing should identify whether a plant is either a native species, Watershed Wise and/or from the Los Angeles County River Master Plan Landscaping Guidelines and Plant Palettes. An exception is also made for herbs, fruits or vegetable plants, Screening/Fencing. a. Loading/Off-Street Parking. For a project with any loading areas and/or off-street parking facilities that contain three or more spaces indicate the drawing sheet that illustrates the location of the parking/loading areas and the location, height and design of the screen/lence that shields views of the parking/loading from the abutting right-of-ways and the River. b. Equipment. For a project that includes any exterior equipment (electrical transformers, mechanical units, water meters) indicate the drawing sheet(s) that illustrate the location of each equipment and any associated screening so that the equipment is screened from c. Exterior Trash Enclosures. For a project that includes a trash disposal unit indicate the drawing sheet that illustrates the location of the unit(s) and the design of any enclosure(s). d. Fencing. For any project, with the exception of single family homes (but including homes built as part of the small lot ordinance) that faces a street that crosses the river or terminates at the river or a river frontage road and/or faces a river frontage road and includes fence within the front or side yards that is visible from the street indicate the drawing sheet that illustrates the location and design of 3. Exterior Site Lighting. Indicate the drawing sheet that illustrates the location and design characteristics of any site and building mounted Page 1 of 2

			Drawing Sheet	Administrative Use Only
4.	Pro	ejects within Inner Core:		
	a.	Landscape Buffer. Indicate the drawing sheet that illustrates the location of the 10' buffer.	N/A	
	b.	Fence. Indicate the drawing sheet that illustrates the location and design, and height of any fence at or within the 10' buffer area.	N/A	
	C.	Fence Height. See (b) above.		
	d.	Gates. Indicate the drawing sheet that illustrates the location, height design and operation of the gate(s). Small-lot projects shall comply with the requirements of Section F.4.f.i and therefore the gate may be a single gate from the entire project to the river and not from individual homes.	N/A	
	e.	Noise. Projects subject to a conditional use permit for the sale or dispensing of alcoholic beverages, including beer and wine, shall indicate the drawing sheet that illustrates the location and design of all noise-attenuating features such that operational sounds shall not exceed 5 decibels above the existing or presumed ambient levels of the property line(s) of properties on the opposite bank.	N/A	
	f.	River Access. See (d) above.		
	g.	Riverfront Door. Indicate the drawing sheet that illustrates the location of a doorway visible to, (not necessarily parallel to) and accessible from the river corridor or frontage road.	N/A	
		ADMINISTRATIVE CLEARANCE FEE—RECEIPT NUMBER		

Applicant's name printed

CP-3519 RIO (revised 11/17/2014)

NATIVE / WATERSHED WISE PLANT RATIO Total Landscape Area: 3,512 sq. ft. Total Native / Watershed Wise Planting Area: 2,669 sq. ft. Pct. of Native / Watershed Wise plants to total Landscape: 76% (2,669 / 3,512 = 0.759)

LAWN TO LANDSCAPE RATIO

CP-3519 RIO (revised 11/17/2014)

Total Landscape Area: 3,512 sq. ft. Total Lawn Area: 621 sq. ft. Pct. of Lawn to Total Landscape: 18% (621 / 3,512 = 0.176)

Green Building Notes Performance Approach

TOTAL LANDSCAPE AREA: 3,512 sq. ft. WATER SUPPLY TYPE: Potable, LADWP

A minimum 3-inch layer of mulch shall be applied on all exposed soil surfaces of planting areas except turf areas, creeping or rooting groundcovers, or direct seeding applications when mulch is contraindicated

For soils less than 6% organic matter in the top 6 inches of soil, compost at a rate of a minimum of four cubic yards per 1,000 sq. ft. of permeable area shell be incorporated to a depth of 6 inches into the soil

I have complied with the criteria of the ordinance and applied them for the efficient use of water in the landscape design plans.

A Certificate of Completion shall be filled out and certified by either the designer of the landscape plans, irrigation plans, or the licensed landscape conractor for the project.

I agree to comply with the requirements of the water efficient landscape ordinance and submit a complete Landscape



LEGAL DESCRIPTION: APN: 559302402 5593024025 159B205 160 TR 644 TRACT: BLOCK: C, LOT 25 MAP REF: M B 15-198/199

Documentation Package.



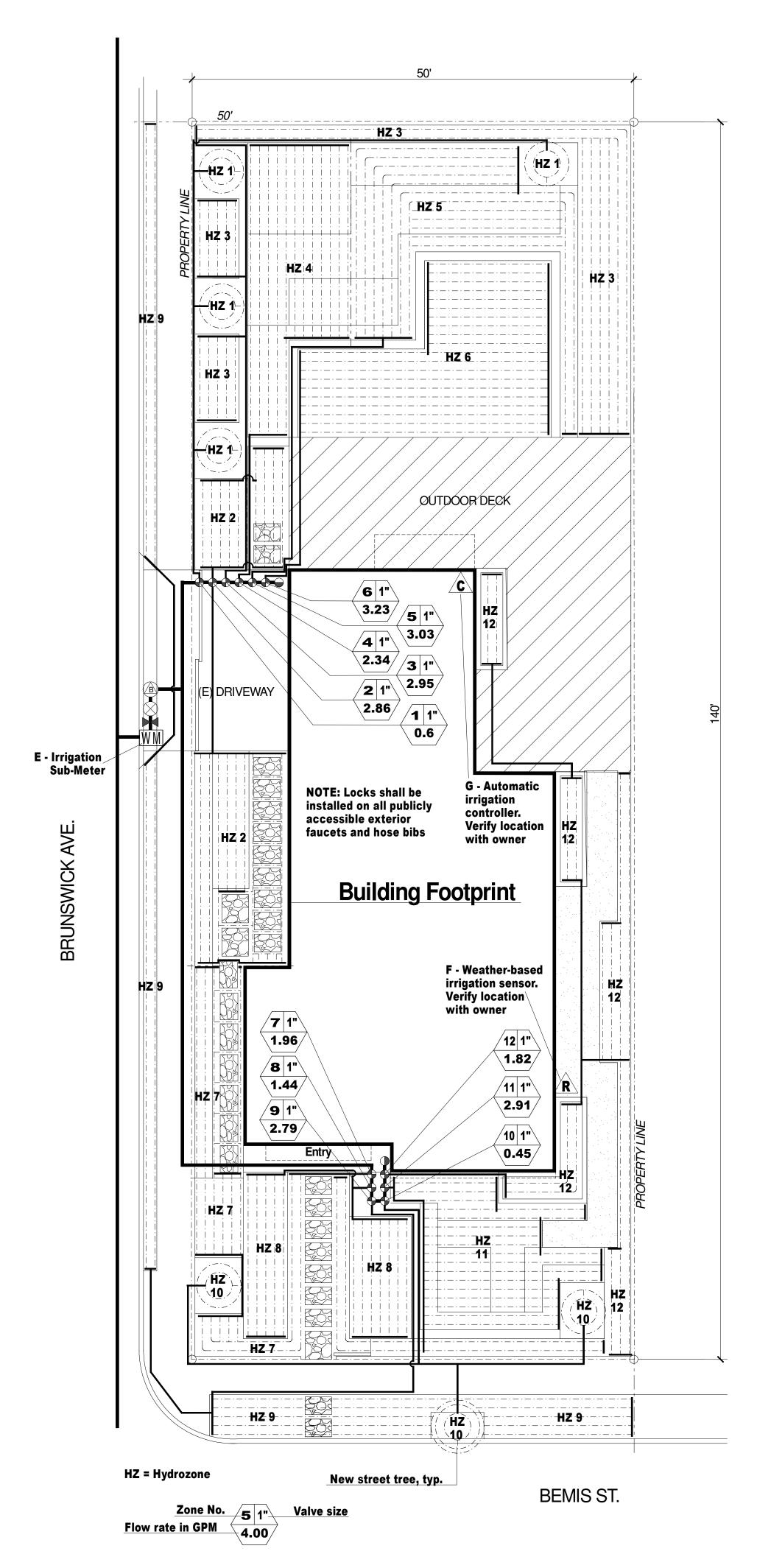
SUBMITTAL: NO: DATE:

4

Revosol Corporation 21026 Osborne St., Unit 4 Canoga Park, CA 91304 OWNER ADDRESS:

07/10/2017 Scale: 1/8":

Sheet No.



NOTE: Locks shall be installed on all publicly accessible exterior faucets and hose bibs

RIO APPLICATION AND CHECKLIST FOR MINISTERIAL REVIEW Related Zone Code Sections: Ordinance 183,145 established the River Improvement Overlay (RIO) District; Refer to the Section 13.17 of the Los Angeles Municipal Code for detailed instructions Note: The Administrative Clearance fee shall be paid prior to receiving the 1. Landscaping. Indicate the drawing sheet that illustrates the percentage of new landscaped area and the associated plant species. The drawing should identify whether a plant is either a native species. Watershed Wis and/or from the Los Angeles County River Master Plan Landscaping Screening/Fencing. a. Loading/Off-Street Parking. For a project with any loading areas indicate the drawing sheet that illustrates the location of the parking/loading areas and the location, height and design of the screen/fence that shields views of the parking/loading from the abutting right-of-ways and the River. Equipment. For a project that includes any exterior equipment (electrical transformers, mechanical units, water meters) indicate the drawing sheet(s) that illustrate the location of each equipment and any associated screening so that the equipment is screened from Exterior Trash Enclosures. For a project that includes a trash N/A disposal unit indicate the drawing sheet that illustrates the location of the unit(s) and the design of any enclosure(s). d. Fencing. For any project, with the exception of single family homes N/A (but including homes built as part of the small lot ordinance) that aces a street that crosses the river or terminates at the river or a river frontage road and/or faces a river frontage road and includes a fence within the front or side yards that is visible from the street indicate the drawing sheet that illustrates the location and design of 3. Exterior Site Lighting. Indicate the drawing sheet that illustrates the N/A location and design characteristics of any site and building mounted Page 1 of 2 Landscape Buffer. Indicate the drawing sheet that illustrates the b. Fence, Indicate the drawing sheet that illustrates the location and design, and height of any fence at or within the 10' buffer area. c. Fence Height, See (b) above. d. Gates, Indicate the drawing sheet that illustrates the location, height N/A design and operation of the gate(s), Small-lot projects shall comply be a single gate from the entire project to the river and not from e. Noise, Projects subject to a conditional use permit for the sale or dispensing of alcoholic beverages, including beer and wine, shall indicate the drawing sheet that illustrates the location and design of all noise-attenuating features such that operational sounds shall no exceed 5 decibels above the existing or presumed ambient levels of Riverfront Door. Indicate the drawing sheet that illustrates the N/A location of a doorway visible to, (not necessarily parallel to) and ADMINISTRATIVE CLEARANCE FEE-RECEIPT NUMBER Today's date

Applicant's name printed

CP-3519 RIO (revised 11/17/2014)

1) AUTOMATIC CONTROLLERS SHALL BE SET TO WATER BETWEEN 5 PM AND 10 AM TO REDUCE EVAPORATION 2) A MINIMUM OF PVC SCHEDULE 40 OR EQUIVALENT SHALL BE USED FOR MAIN LINES AND UNDER DRIVEWAY AREAS, AND A MINIMUM OF PVC SCHEDULE 200 OR EQUIVALENT SHALL BE USED FOR LATERAL LINES. 3) THE IRRIGATION SYSTEM MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. 4) CONTRACTOR SHALL PROVIDE THE OWNER WITH A SET OF "AS BUILT" PLANS. 5)IT IS THE INTENT OF THE DRAWINGS TO SHOW A COMPLETE AND OPERATIONAL IRRIGATION SYSTEM. ANY DISCREPANCIES, OMMISIONS, ERRORS, ETC. OR ONSITE CHANGES DOES NOT RELIEVE THE IRRIGATION

INSTALLER OF HIS RESPONSIBILITY TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM 6) IRRIGATION LINES, VALVES AND OTHER EQUIPMENT SHOWN IN PAVED OR PUBLIC AREAS ARE SCHEMATIC ONLY AND ARE FOR DIAGRAMATIC PURPOSES ONLY. LINES, VALVES AND OTHER EQUIPMENT SHOWN IN PAVED OR PUBLIC AREAS ARE INTENDED TO BE LOCATED IN ADJACENT PLANTING AREAS.

7) ALL LINES TRAVERSING HARDSCAPE TO BE PLACED IN CONDUIT UNDER PAVING

 LOW VOLUME IRRIGATION SYSTEMS WITH AUTOMATIC CONTROLLERS SHALL BE REQUIRED. SUCH IRRIGATION INCLUDES. 3) ANTI-DRAIN VALVES SHALL BE INSTALLED IN SLOPING AREAS WITH ELEVATION DIFFERENCES OF MORE THAN FIVE FEET. 4) LANDSCAPE MATERIALS WHICH HAVE DIFFERENT WATERING NEEDS SHALL BE IRRIGATED BY SEPARATE CONTROL VALVES. WATER COVERAGE SHALL BE LIMITED TO PLANT AREAS ONLY.

5) AUTOMATIC CONTROLLERS SHALL BE SET TO WATER BETWEEN 5 PM AND 10 AM TO REDUCE EVAPORATION. MANAGER. THE WATER SCHEDULE SHALL INCLUDE RUN TIME AND FREQUENCY OF IRRIGATION FOR PLANTED AREAS WITH SIMILAR CHARACTERISTICS. THE WATERING PERIOD SHALL NOT EXCEED THE POINT AT WHICH RUNOFF BEGINS. A MAINTENANCE PROGRAM SHALL NOT BE REQUIRED FOR SYSTEMS WITH SOIL MOISTURE SENSORS THAT ARE INSTALLED AND PROPERLY ADJUSTED. PLANS 7) A MINIMUM OF PVC SCHEDULE 40 OR EQUIVALENT SHALL BE USED FOR MAIN LINES AND UNDER DRIVEWAY AREAS,

AND A MINIMUM OF PVC SCHEDULE 200 OR EQUIVALENT SHALL BE USED FOR LATERAL LINES 8) THE IRRIGATION SYSTEM MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS 9) THE LANDSCAPE ARCHITECT SHALL PERFORM ONE OR MORE SITE OBSERVATIONS DURING INSTALLATION TO CHECK FOR

ADHERENCE TO THE DESIGN, INCLUDING PROPER INSTALLATION OF BACKFLOW PREVENTION ASSEMBLY, MAIN LINE, LATERALS, VALVES, SPRINKLER HEADS, DRIP IRRIGATION EQUIPMENT, CONTROL WIRE, CONTROLLERS, AND SENSORS AND SHOULD ASSURE THAT THE INTENT OF THE IRRIGATION DESIGN IS PRESERVED 10) CONTRACTOR SHALL PROVIDE THE OWNER WITH A SET OF "AS BUILT" PLANS.

11)IT IS THE INTENT OF THE DRAWINGS TO SHOW A COMPLETE AND OPERATIONAL IRRIGATION SYSTEM. THE SYSTEM WAS DÉSIGNED BASED ON LANDSCAPE AND GRADING DRAWING IN EFFECT AT THIS TIME. ANY DISCREPANCIES, OMMISIONS, ERRORS, ETC. OR ONSITE CHANGES DOES NOT RELIEVE THE IRRIGATION INSTALLER OF HIS RESPONSIBILITY TO PROVIDE A COMPLETE AND

IRRIGATION SCHEDULING

WATER DURING PLANT ESTABLISHMENT: SHRUB AND GROUNDCOVER SYSTEMS: 10 MIN., 1X PER DAY, FOR FIRST 10 DAYS-:LAWN SYSTEMS: 10 MIN., 2X PER DAY, FOR FIRST 10 DAYS

SPRING WATERING AFTER PLANT ESTABLISHMENT -TREE, SHRUB AND GROUNDCOVER SYSTEMS 6 MIN, 3X PER WEEK :LAWN SYSTEMS: 8 MIN., 3X PER WEEK

SUMMER WATERING AFTER PLANT ESTABLISHMENT: SHRUB AND GROUNDCOVER SYSTEMS: 10 MIN., 3X PER WEEK-LAWN SYSTEMS: 10 MIN., 1X EVERY OTHER DAY

FALL WATERING AFTER PLANT ESTABLISHMENT -TREE, SHRUB AND GROUNDCOVER SYSTEMS 6 MIN, 3X PER WEEK :LAWN SYSTEMS: 9 MIN., 3X PER WEEK

WINTER WATERING AFTER PLANT ESTABLISHMENT: SHRUB AND GROUNDCOVER SYSTEMS: 10 MIN., 2X PER WEEK :LAWN SYSTEMS: 7 MIN., 3X PER WEEK

WITHIN THE PUBLIC RIGHT OF WAY

a. All irrigation mainline shall be Schedule 80 PVC, and all laterals/sleeves shall be Schedule 40 PVC. Sleeves shall be 2x the size of the pipe being sleeved. All irrigation mainline and laterals shall be a minimum of $\frac{3}{4}$ size. b. Contractor shall pay for all permits and construction costs for the Department

of Water and Power (DWP) to conduct any street work (trenching), mainline/sleeve installation in the street and sub-water meter installation and reduced pressure backflow preventer review. A billing address must be provided when applying for installation of the sub-water meters. Contractor must file the application prior to start of construction. Contractor to contact the City in order to establish utility service and billing addresses. Utility service must be established prior to tree/shrub installations.

c. The Reduced Pressure Principle Backflow Preventer, related equipment and irrigation controller shall be installed on private property.

d. All irrigation equipment (for both concrete and landscape areas) shall be installed in traffic-rated concrete valve boxes with hinged metal lids. Irrigation equipment includes remote control valves, flush valves, air relief valves, quick couplers etc.

e. All irrigation mainlines within the public right of way shall be 24" below finish grade. All irrigation laterals within the public right of way shall be 12" below finish grade. Below vehicular access areas, irrigation mainlines within the public right of way shall be 36" below finish grade, sleeved.

f. All irrigation shall be pop-up spray/bubbler heads and/or sub-surface drip irrigation. No fixed risers are allowed within the public right of way. g. Direct burial wire shall be #14 gauge and shall be placed at 24" below grade taped to mainline where applicable.

h. All drip irrigation shall be direct burial type, a minimum of 2" to 4" below finish

Green Building Notes

A diagram of the irrigation plan showing hydrozones shall be kept with the irrigation controller for subsequent management purposes."

At the time of final inspection, the permit applicant must provide the owner of the property with a certificate of completion, certificate of installation, irrigation schedule and irrigation maintenance.

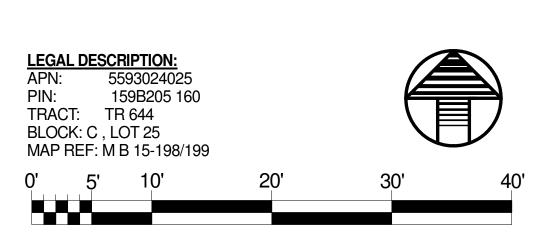
An irrigation audit report shall be completed at the time of final inspection.

Pressure regulating devices are required if water pressure is below or exceeds the recommended pressure of the specified irrigation devices.

I have complied with the criteria of the ordinance and applied them for the efficient use of water in the landscape design plans.

I agree to comply with the requirements of the water efficient landscape ordinance and submit a complete Landscape Documentation Package.





IRRIGATION LEGEND PART NO SYMBOL **DESCRIPTION** FEBCO BACKFLOW PREVENTER MODEL 825Y WILKINS PRESSURE REDUCING VALVE 600 PCZ-10 - 25 HUNTER CONTROL ZONE VALVE KIT SOLAR-SYNC HUNTER RAIN SENSOR CONDUIT MOUNT HUNTER I-CORE CONTROLLER IC-600-M, six station w/ one ICM-600 module HOSE BIBB - OWNER TO SELECT LOCATION NIBCO GATE VALVE SCHEDULE 40 PVC LATERAL LINE SCHEDULE 40 MAIN LINE

Page 2 of 2

STATIC PRESSURE AT METER: high 94 PSI; low 66 PSI per Aida Fitton, LADWP 213-367-0973

IRRIGATION LEGEND										
ZONE	SYM.	DESCRIPTION	PART NO	PRESSURE	GPM	APP. IN/HR	QTY	SPACING	SUBTOTAL	TOTAL GPM
1		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	60	16"	0.60	0.60
2		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	286	16"	2.86	2.86
3		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	295	16"	2.95	2.95
4		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	234	16"	2.34	2.34
5		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	303	16"	3.03	3.03
6		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	323	16"	3.23	3.23
7		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	196	16"	1.96	1.96
8		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	144	16"	1.44	1.44
9		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	279	16"	2.79	2.79
10		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	45	16"	0.45	0.45
11		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	291	16"	2.91	2.91
12		HUNTER PLD DRIP TUBING	PLD-06-12	30	0.01	0.72	182	16"	1.82	1.82

REVISION LOG

SUBMITTAL: DATE:

ADDRE

4

St., Unit A 91304 ADDRESS: Corpora Sborne 9 Park, C/ **OWNER** Revosol 21026 O Canoga I

07/10/2017 1/8

Sheet No.