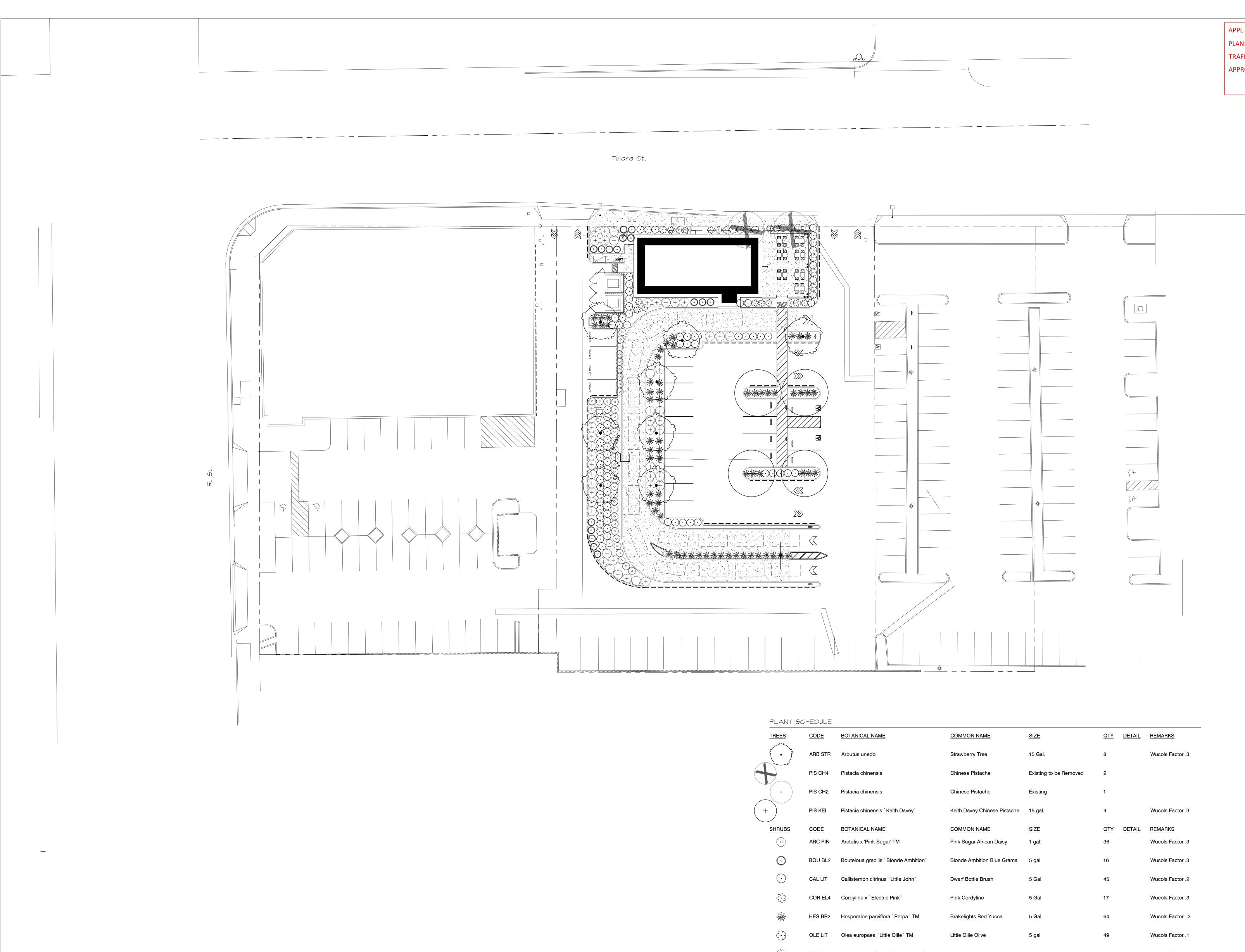
EXHIBIT E Project Landscape Plan



TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	DETAIL	REMARKS
	ARB STR	Arbutus unedo	Strawberry Tree	15 Gal.	8		Wucols Factor .3
the of	PIS CH4	Pistacia chinensis	Chinese Pistache	Existing to be Removed	2		
4	PIS CH2	Pistacia chinensis	Chinese Pistache	Existing	1		
-	PIS KEI	Pistacia chinensis `Keith Davey`	Keith Davey Chinese Pistache	15 gal.	4		Wucols Factor .3
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	DETAIL	REMARKS
E Constanting	ARC PIN	Arctotis x 'Pink Sugar' TM	Pink Sugar African Daisy	1 gal.	36		Wucols Factor .3
MANANA CALIFIC AND	BOU BL2	Bouteloua gracilis `Blonde Ambition`	Blonde Ambition Blue Grama	5 gal	16		Wucols Factor .3
\odot	CAL LIT	Callistemon citrinus `Little John`	Dwarf Bottle Brush	5 Gal.	45		Wucols Factor .2
5:3	COR EL4	Cordyline x `Electric Pink`	Pink Cordyline	5 Gal.	17		Wucols Factor .3
×	HES BR2	Hesperaloe parviflora `Perpa` TM	Brakelights Red Yucca	5 Gal.	64		Wucols Factor .
$\begin{array}{c} \\ \hline \end{array}$	OLE LIT	Olea europaea `Little Ollie` TM	Little Ollie Olive	5 gal	49		Wucols Factor .1
$\left(+ \right)$	ROS HU2	Rosmarinus officinalis `Huntington Carpet`	Huntington Carpet Rosemary	1 gal.	49		Wucols Factor .3

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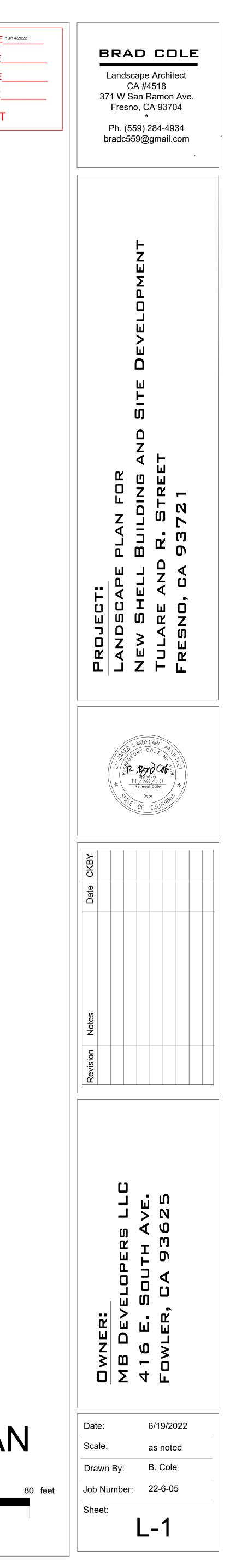
PLANTING PLAN

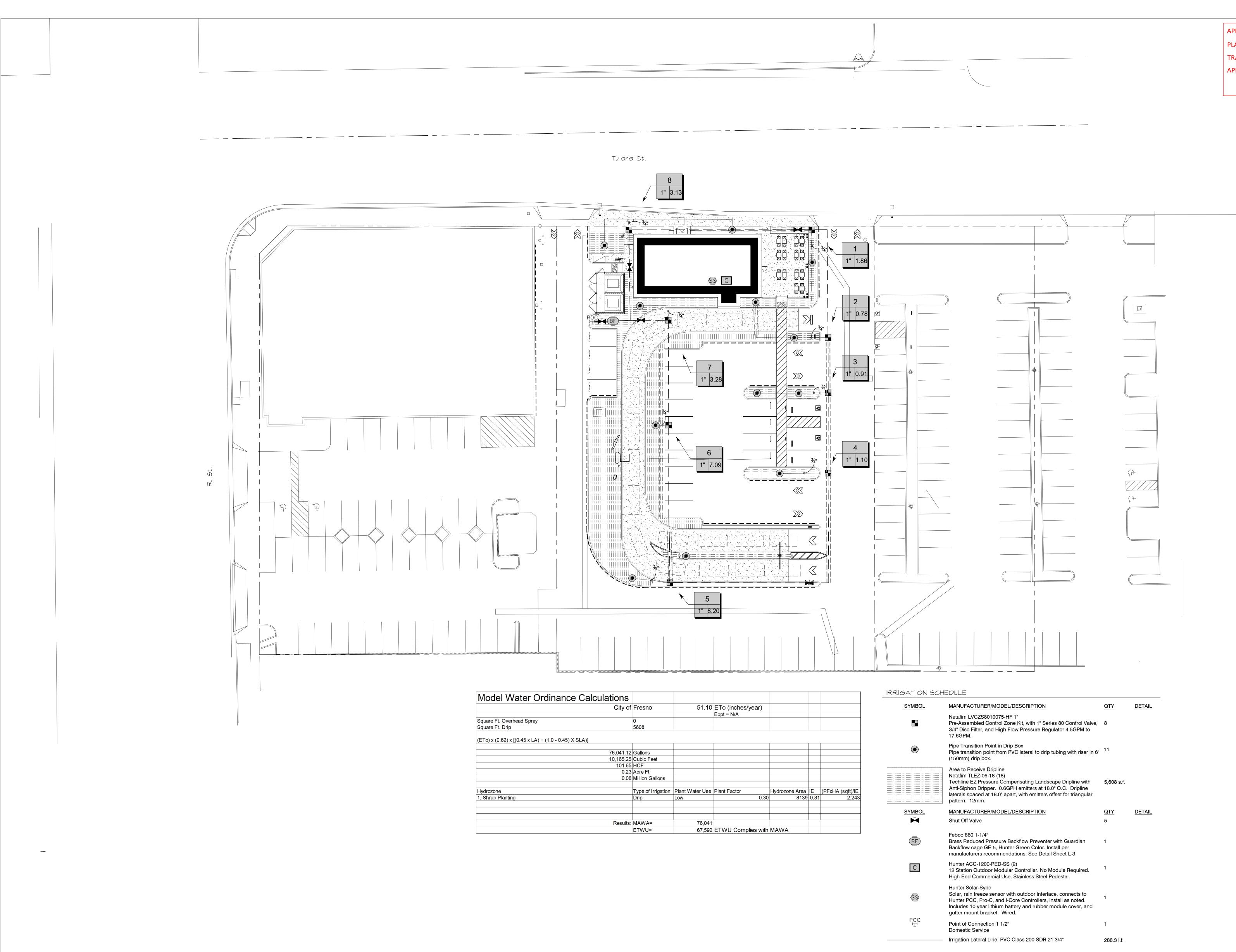
20

1" = 20'

40

60





#" #•

— Valve Size

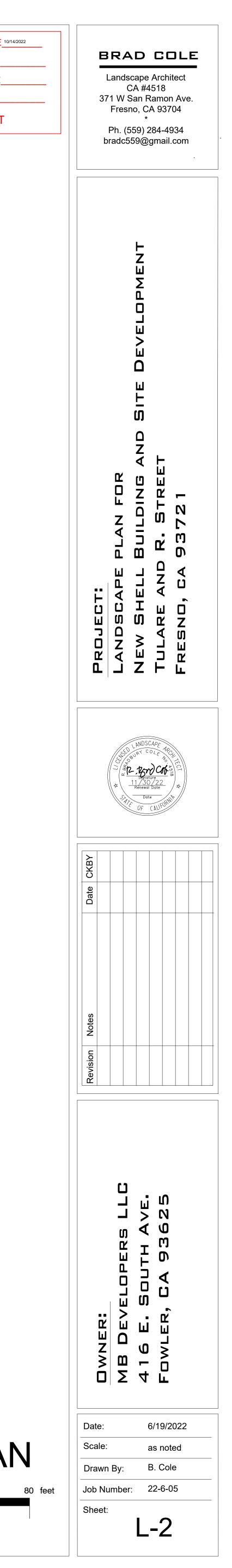
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APPROVED BY		DATE

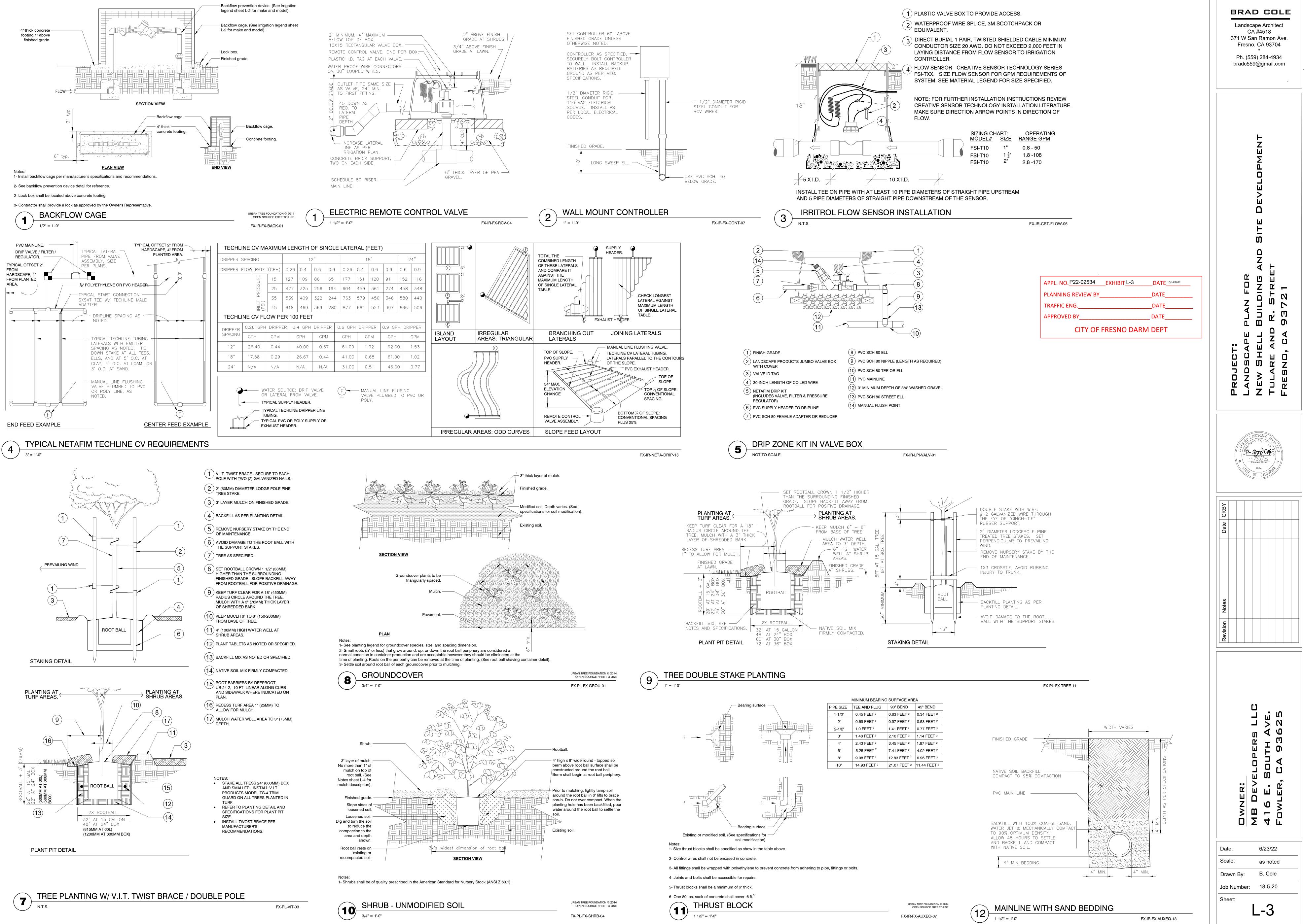
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TION	SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAI
8	Netafim LVCZS8010075-HF 1" Pre-Assembled Control Zone Kit, with 1" Series 80 Control Valve, 3/4" Disc Filter, and High Flow Pressure Regulator 4.5GPM to 17.6GPM.	8	
۲	Pipe Transition Point in Drip Box Pipe transition point from PVC lateral to drip tubing with riser in 6" (150mm) drip box.	11	
	Area to Receive Dripline Netafim TLEZ-06-18 (18) Techline EZ Pressure Compensating Landscape Dripline with Anti-Siphon Dripper. 0.6GPH emitters at 18.0" O.C. Dripline laterals spaced at 18.0" apart, with emitters offset for triangular pattern. 12mm.	5,608 s.f.	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAI
	Shut Off Valve	5	
BF	Febco 860 1-1/4" Brass Reduced Pressure Backflow Preventer with Guardian Backflow cage GE-5, Hunter Green Color. Install per manufacturers recommendations. See Detail Sheet L-3	1	
С	Hunter ACC-1200-PED-SS (2) 12 Station Outdoor Modular Controller. No Module Required. High-End Commercial Use. Stainless Steel Pedestal.	1	
53	Hunter Solar-Sync Solar, rain freeze sensor with outdoor interface, connects to Hunter PCC, Pro-C, and I-Core Controllers, install as noted. Includes 10 year lithium battery and rubber module cover, and gutter mount bracket. Wired.	1	
POC H	Point of Connection 1 1/2" Domestic Service	1	
	Irrigation Lateral Line: PVC Class 200 SDR 21 3/4"	288.3 l.f.	
	Irrigation Mainline: PVC Class 315 SDR 13.5	612.2 l.f.	
	Pipe Sleeve: Hi-Temp CPVC Pipe Sch 40	171.9 l.f.	
١	/alve Callout		
# •	Valve Number		
#, #●	Valve Flow		

IRRIGATION PLAN 60 20 40 Know what's below. Call before you dig. 1" = 20'





Model Efficient Landscape Ordinance (MWELO) Notes:

- I. These plans have been prepared to be in compliance with the State-mandated Water Mode Efficient Landscape Ordinance. (MWELO). The following notes reference the requirements of the ordinance and the responsibility of the contractor to install the landscape per plans, details, and notes; provide the required documentation to the local agency and provide follow-up correction as required to meet the water efficiency requirements.
- 2. The landscape contractor shall coordinate with the local jurisdiction to determine who will review and receive the MWELO documentation that is required to be provided by the contractor.

Landscape Documentation Package

- I. Project information and signatures- The signature of the landscape architect on these landscape plans is applicable to the statement- "I agree to the best of my ability to comply with the requirements of the water efficient landscape ordinance and submit a complete Landscape Document Package"
- 2. Water Efficient Landscape Worksheet- See MAWA and ETWU, as well as hydro-zone information table on sheet P-4.
- 3. Soil management report- See Notes and requirements as described below. 4. Landscape Design Plan - See Planting Plans and details contained within this set of documents. Standard details per the city of Madera when referenced in this set of documents are considered part of the documents.
- 5. Irrigation Design Plan See irrigation plans and details contained within this set of documents.
- 6. Grading Design Plan To be provided by the civil engineer See civil engineer's plans.

Soil Management Report

- I. After mass grading the contractor shall provide for a soil analysis that shall comply with the requirements provided below. The analysis report is to be forwarded to the landscape architect, owner, and governing jurisdiction.
- 2. Soil samples shall be collected in accordance with the laboratory protocol including adequate sampling depth.
- 3. At least one sample shall be provided for each 20,000 sf of landscape unless otherwise noted by the landscape architect. Samples shall be taken from different areas of the site as directed by the landscape architect.
- 4. The Soil Analysis shall include the following:
- -Soil Texture
- -Infiltration Rate (determined by lab test or soil texture infiltration rate table). -Ph
- -Total soluble salts
- -Sodium
- -Percent organic mater
- -Recommendations for soil amendments, fertilizer, etc. for the type of landscape planting proposed.
- 5. Soil Analysis shall be conducted by an approved soil testing lab. The following are acceptable (but not required) labs:
- Dellavalle Laboratory Inc. 1910 W. Mckinley Ave. Suite 110 Fresno, CA (800) 228-9896 dellavallelab.com
- Sunland Analytical 11419 Sunrise Gold Circle, Suite 10, Rancho Cordova, CA 95742, 852-8557, <u>www.sunland-analytical.com</u>
- Soil and Plant Lab, IIOI S. Winchester Blvd, Suite G-I73, San Jose, CA 93128, 727-0330, <u>www.soilandplantlaboratory.com</u>
- •Soil and Plant Lab, 4741 East Hunter Ave. Suite A, Anaheim, CA 92807, (714) 282-8777, www.soilandplantlaboratory.com
- 6. The recommendations of the soil analysis are to the implemented in the landscape soil preparation. The contractor shall provide documentation prior to planting, verifying that recommendations have been implemented to the landscape architect and the governing jurisdiction.

Landscape Design (Planting)

I. The landscape has been designed and plants selected to be compliant with the requirement of the MWELO. The contractor shall not make changes without written approval by the landscape architect. If the contractor deviates from the plan and it is not acceptable to the landscape architect, the contractor will be required to make changes at his/her

expense to bring the landscape into compliance.

- 2. Plants have been placed in 'hydrozones' of similar water use requirements. The extent of the hydrozones are delineated by the groups of irrigation circuits as listed in the Hydrozone Table, included with these plans.
- 3. Turf is not allowed on slopes greater than 25% (4:1)
- II. The irrigation system has been designed so that each circuit has matched precipitation rates 4. Compost (mulch) is required in all planting areas except for turf, creeping or rooting within the circuit and high distribution uniformity. The contractor shall not substitute without groundcovers, direct seeding applications, cobble areas, or other areas specifically noted written consent of the landscape architect. on the plans. The mulch shall be minimum of 3", but the depth as listed in the planting legend 12. Swing joints shall be installed on all pip-up heads per the plans and details shall take priority.
- 5. Stabilizing mulches shall be used on all slopes exceeding 4:1. See plan or coordinate with the landscape architect.
- 6. Soil amendments shall be incorporated per the soil report and shall achieve a friable condition.
- 7. For landscape installations, compost at a rate of a minimum of four cubic yards per 1,000 square feet of permeable area shall be incorporated to a depth of six inches into the soil. Soils with greater than 6% organic matter in the top 6 inches of soil are exempt from adding compost and tilling.
- 8. Compost shall be derived from green material consisting of chipped, shredded, or ground vegetation or clean, processed, recycled wood products or a Class A, exceptional quality biosolids composts, as required by the United States Environmental Protection Agency (EPA) 40 CFR, Part 503c regulations or a combination of green material and biosolids compost. The compost shall be processed or completed to reduce weed seeds, pathogens, and deleterious material, and shall not contain paint, petroleum products, herbicides, fungicides, or other chemical residues that would be harmful to plant or animal life. Other deleterious material, plastic, glass, metal, or rocks shall not exceed O.I percent by weight or volume.A minimum internal temperature of 57 degrees C shall be maintained for at least 15 continuous days during the composting process. The compost shall be thoroughly turned a minimum of 5 times during the composting process and shall go through a minimum 90-day curing period after the 15-day thermophilic compost process has been completed. Compost shall be screened through a maximum 9.5-mm screen. The moisture content of the compost shall not exceed 35 percent. Compost products with a higher moisture content may be used provided the weight of the compost is increased to equal the compost with a moisture content of 35-40 percent. Moist samples of compost on an as-received basis shall be dried in an oven at a temperature between 105 degrees C and 110 degrees C until a constant dry weight of the sample is achieved. The percentage of moisture will be determined by dividing the dry weight of the sample by the moist weight of the sample and then multiplying by 100. Compost will be tested for maturity and stability with a Solvita test kit. he compost shall measure a minimum of 6 on the maturity and stability scale
- 8. The signature on the landscape plans is applicable to the statement- "I have complied with the criteria of the ordinance and applied them for the efficient use of water in the landscape design plan."

<u>Grading Design</u>

- I. See the grading and drainage plan as prepared by the civil engineer. The landscape contractor shall maintain the drainage patterns as specified in the grading plans.
- 2. The site has been graded so that irrigation and normal run-off remains within the property lines, unless otherwise noted on the grading plans.
- 3. The landscape areas may include bioswales or filtration swales. The landscape contractor shall install these per the requirements of the civil engineer's plans and details with planting per these plans. Any modifications must be approved in writing by the civil engineer and the landscape architect.

Irrigation Design

- 1. The irrigation water service shall be on a separate meter than the domestic service. 2. The irrigation controller (clock) shall be a 'smart' controller using evapotranspiration or soil moisture sensor data to automatically adjust run times based on landscape area water needs.
- 3. The irrigation system has been designed for each emission device to operate within the manufacturer's recommended pressure range for optimal performance. If the water pressure at the service connection is different than what is shown on the plans the contractor shall notify the landscape architect prior to the installation of the irrigation system. Contractor shall check available water pressure before any irrigation installation.
- 4. Pressure regulators or booster pumps shall be installed if needed to modify available pressure for the optimal performance of the irrigation emission devices. See specification on the plans and refer to note #3 above.
- 5. A rain sensor shall be installed and tied to the controller See plan for selection.
- 6. Gate valves(s) shall be installed directly downstream of the service connection(s). 7. An approved backflow preventer shall be installed at the irrigation service connection(s). See plan.
- 8. Check valves shall be installed in all heads at the low points of the circuit where water within the piping may drain out of the head when the system is done operating - See plan. 9. The irrigation circuits have been designed to correspond to the planting hydrozones.

Changes to the irrigation layout and types of emission devices are no to be made without the written consent of the landscape architect.

- IO. The overall irrigation system has been designed to correspond to the planting hydrozones Changes to the irrigation layout and types of emission devices are not to be made without the written consent of the landscape architect.
- 13. Areas less than 8' in width have been irrigated with subsurface, drip, or low volume irrigation. If construction site modifications reduce spray irrigated planter areas less than 8' contact the landscape architect.
- 14. Overhead spray irrigation heads and nozzles are not allowed within 24" of non-permeable paving that drains into landscape before entering the storm drain system.
- 15. Sloped planting areas greater than 25% (4:1) have been designed with irrigation whose precipitation rate does not exceed .75"/hour or another means has been employed and described on the plans.
- 16. Trees may be designed with a separate deep root bubbler system See the plans.
- 17. The signature on the irrigation plans is applicable to the statement " I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the irrigation design plan."

Irrigation Schedule

- 1. The landscape contractor shall provide a base irrigation schedule and shall be submitted with certification of completion. Overhead irrigation shall be scheduled between 8:00 pm and 6:00 am unless otherwise noted on the plans or more strict water hours are required by the local jurisdiction.
- 2. The irrigation run times, length of run, and frequency of run times may need to be adjusted based on infiltration rate of the soil. Slope. Etc. to avoid run-off.
- 3. The specific parameters of the site conditions are to be input into the 'smart' controller.

Irrigation Audit

- I. If needed, all irrigation audits shall be conducted by a certified landscape irrigation
- 2. The irrigation system shall be audited after it has been installed and 'fine-tuned'. The audit report is to be included with the Certificate of Completion and shall include, but not limited to:
- a. System test for distribution uniformity
- b. Recommendations for any adjustments that may be needed. c. Preparation of an irrigation schedule.
- The contractor shall make the adjustments as recommended in the irrigation audit.

<u>Certificate of Completion</u>

- 1. The contractor shall provide to the governing jurisdiction and the landscape architect a Certificate of Completion that at a minimum includes the following:
- a. Date of completion and date of the certificate
- b. Project Name and Address (or specific location)
- c. Project Applicant name, telephone number, and mailing address.
- 2. The landscape contractor shall sign a statement that says the landscape and irrigation system have been installed per the approved Landscape Document Package (plans, details, notes, and calculations as contained within this plan set.)
- 3. If there have been modifications to the layout and/or design of the landscape and irrigation system, the contractor shall include with the Certificate of Completion a set of as-built plans or record drawings that reflect the modifications. The modified landscape and irrigation must remain in compliance with the WELO.
- 4. The Certificate of Completion shall include the initial irrigation audit that shows the irrigation is in compliance with the irrigation efficiency requirements for WELO (see audit information within this set of notes). The soil analysis report and recommendation and verification that the recommendations have been implemented shall also be submitted, if not included with the Landscape Documentation Package.

APPL. NO. P22-02534 EXHIBIT L-4	DATE 10/14/2022
PLANNING REVIEW BY	_DATE
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