

1675 Lot 5  
 Residential  
 Landscape  
 Plan

Property Owner:  
 Owners of  
 1675 Fairway Drive  
 Los Altos

Plan Prepared by  
 Landscape Designer  
 Agnes Tung  
 Muzik Design  
 (239) 410-9251  
 agnesytung@gmail.com

LANDSCAPE DATA (sq ft)			
Lot size	6500		
Building coverage	1547	23.80%	
Proposed impervious Hardscape area	landing	186	
	retaining wall	60	
	<b>TOTAL</b>	<b>246</b>	3.78%
	Permeable driveway and path	1986	
Proposed landscape area	stepping stone set on sand	64	
	gravel area	98	
	artificial turf	296	
	mulched area	56	
	planting area (irrigated area)	975	
	<b>Total</b>	<b>3475</b>	
Non disturbed landscape	1232		
<b>Total Landscape area</b>	<b>4707</b>	72.42%	

**LEGEND**

- DRIVEWAY 1505 sq ft AND ADU PATH 481 sq ft PERMEABLE
- CONCRETE RETAINING WALL 60 sq ft - IMPERMEABLE
- STEPPING STONE SET ON SAND
- GRAVEL OPEN AREA
- NEW PLANTING AREA
- NEW ARTIFICIAL TURF MULCHED AREA
- NOT-DISTURBED LANDSCAPE AREA
- NEW GOOD NEIGHBOR FENCE 6'

**TREE LEGEND**

- existing tree with canopy to remain and protected per arborist report
- Existing tree to be removed per arborist report

Existing Tree List (Ref. to arborist report attached to submittal) # tree per arborist

Symbol	Botanical Name	Common Name	Tree DBH (DIA.)	ht/spr.	Protected tree	Tree removal	Location
2	Platanus x hispanica	Lindon Plane	17.2"	30'x35'	Yes	No	NEIGHBOR
3	Platanus x hispanica	Lindon Plane	25.6"	65'x45'	Yes	YES	front yard
13	Pinus radiata	Monterey Pine	24"	60'x25'	Yes	Yes	backyard; dead tree
14	Umbellularia californica	California Bay Laurel	6"	35'x15'	No	Yes	backyard
15	Quercus agrifolia	Coast live oak	2"	8'x5'	No	Yes	backyard
16	Quercus agrifolia	Coast live oak	38"	45'x65'	Yes	No	Backyard
17	Ligustrum japonicum	Japanese privet	4,5	15'x10'	No	yes	Backyard
18	Quercus agrifolia	Coast live oak	38"	50'x50'	Yes	No	Neighbor
19	Ligustrum japonicum	Japanese privet	4,4,4,4	15'x10'	No	No	Neighbor
20	Ligustrum japonicum	Japanese privet	3,2	15'x10'	No	Yes	Backyard
21	Quercus agrifolia	Coast live oak	28"	55'x35'	Yes	No	Neighbor
22	Quercus agrifolia	Coast live oak	18"	35'x30'	Yes	No	Backyard

**Tree Protection**

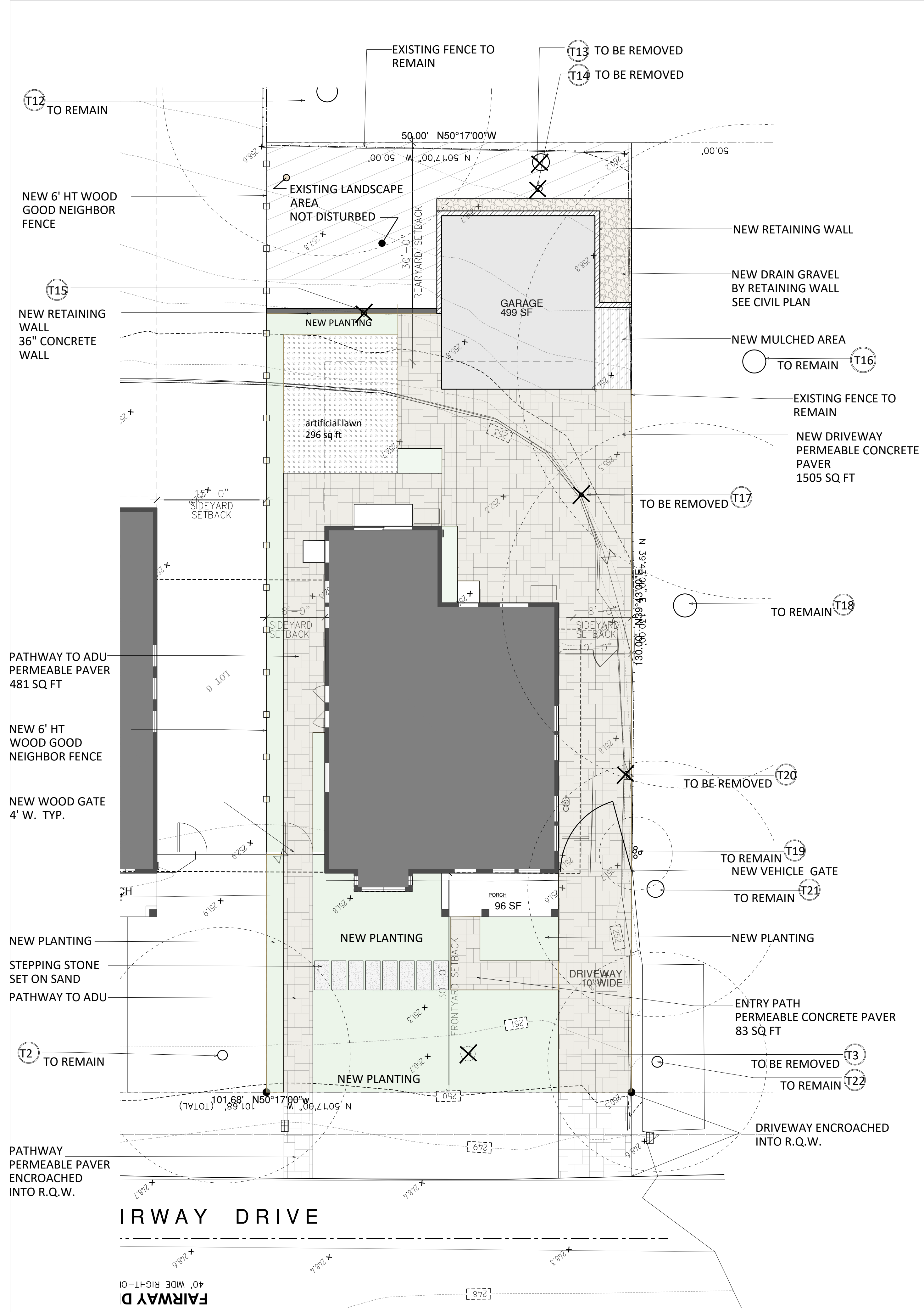
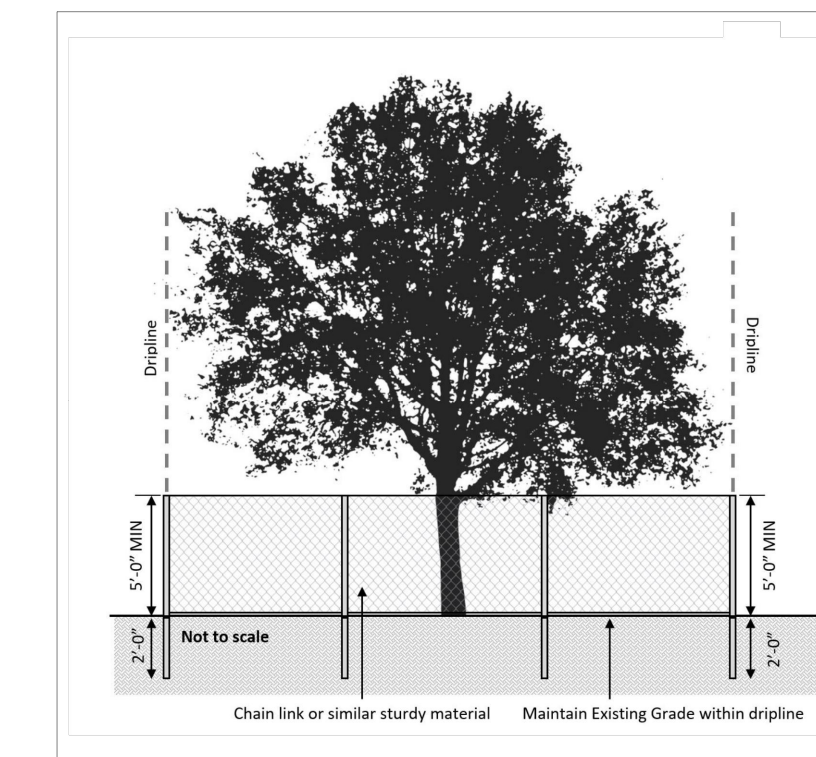
TREE PROTECTION ZONES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE ENTIRE LENGTH OF THE THE PROJECT. PRIOR TO THE COMMENCEMENT OF ANY DEVELOPMENT PROJECT, A CHAIN LINK FENCE SHALL BE INSTALLED AT ABOUT THE DRIP LINE (WHERE POSSIBLE) OF ANY PROTECTED TREE WHICH WILL OR WILL NOT BE AFFECTED BY THE CONSTRUCTION.

THE DRIP LINE SHALL NOT BE ALTERED IN ANY WAY SO AS TO INCREASE THE ENCROACHMENT OF THE CONSTRUCTION. FENCING FOR THE PROTECTION ZONES SHOULD BE 6 FOOT TALL METAL CHAIN LINK TYPE SUPPORTED BY 2 INCH METAL POLES POUNDED INTO THE GROUND BY NO LESS THAN 2 FEET. THE SUPPORT POLES SHOULD BE SPAED NO MORE THAN 10 FEET APART ON CENTER.

SIGNS SHOULD BE PLACED ON FENCING SIGNIFYING "TREE PROTECTION ZONE - KEEP OUT".

NO MATERIALS OR EQUIPMENT SHOULD BE STORED OR CLEANED INSIDE THE TREE PROTECTION ZONES. EXCAVATION, GRADING, SOIL DEPOSITS, DRAINAGE AND LEVELING ARE PROHIBITED WITHIN THE TREE PROTECTION ZONES.

NO WIRES, SIGNS, OR ROPES SHALL BE ATTACHED TO THE PROTECTED TREES ON SITE. UTILITY SERVICES AND IRRIGATION LINES SHALL ALL BE PLACED OUTSIDE OF THE TREE PROTECTION ZONES.



Drawing Title  
**TREE PROTECTION AND SITE PLAN**

Drawing Scale

Sheet Title  
**L-1**

4/08/2024



Symbol	Quantity	Botanical Name	Common Name	Specification	Ht. x spread	Water usage	Native
<b>Plant List</b>							
<b>Tree</b>							
T1	1	Ulmus parvifolia 'Drake'	Drake's Chinese Elm	24 in tree form, std.	30'x20'	L	No
<b>Shrubs</b>							
S1	3	Lomandra longifolia 'Arctic Frost'	Arctic Frost Mat Rush	2-3 Gal	2'x2'	L	No
S2	14	Ceanothus spp	California Lilac	1 Gal	2'x4'	L	Yes
S3	4	Diets bicolor	Yellow Fortnight Lily	1Gal	3'x5'	M	No
S4	3	Agapanthus Tinkle Bell	dwarf white Agapanthus	1 Gal.	2'x2'	L	No
S5	9	Agapanthus spp.	purple agapanthus	5 Gal.	3'x5'	L	No
S6	6	Pittosporum tenuifolium 'Silver Sheen'	Silver Sheen Kohuhu	15 Gal	12'x6'	L	No
S7	6	Trachelospermum jasminoides	star jasmine	1 Gal.	3'x3'	VL	No
S8	6	Prunus caroliniana	Carolina Laurel Cherry	15 Gal. tree form std	12'x12'	L	No
S9	3	Westringia fruticosa	Coast Rosemary	5 gal	6'x6'	L	No

Total Plants: 55  
 Very Low /Low water Plants: 55  
 Percentage of low water used plant: 100%

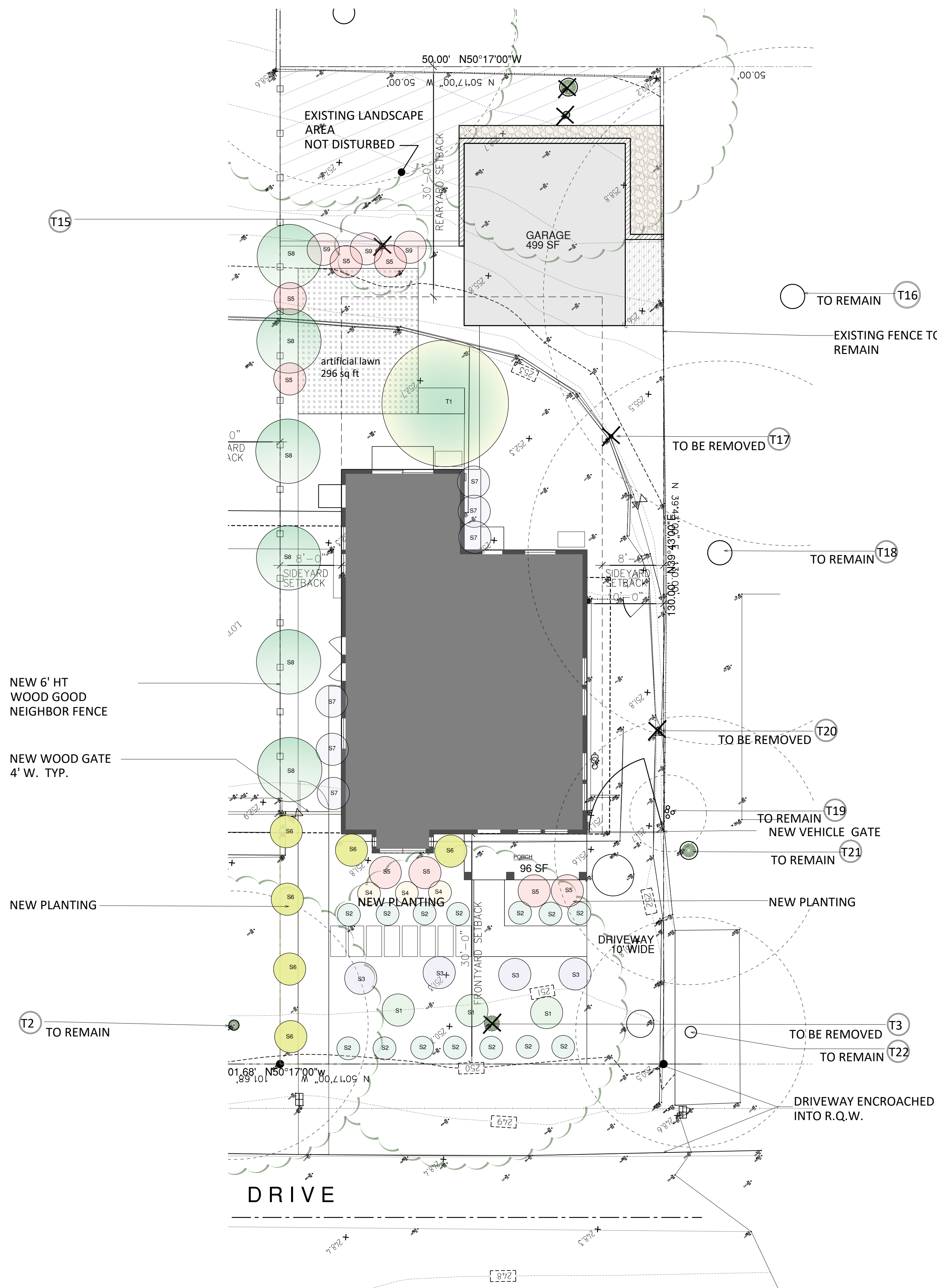
Notes:  
 1. All pictures references online pictures  
 2. Water usage of plant is referred from online plant database of Bay Area Water Supply & Conservation Agency

**2022 California Green Building Code - Landscape Notes**

- Outdoor water use for landscape should follow water use efficient landscape check list per 2022 CGC 4.304.01
- Annular spaces around pipes, electric cables, conduits or other opens in sole/ bottom plate at exterior walls, shall be protected against the passage of rodents by closing such opens with cement mortar, concrete masonry, or similar method acceptable to the enforcing agency per 2022 CGC 4.406.1

**LANDSCAPE GENERAL NOTES**

- VERIFY LOCATION OF ALL BUILDINGS, WALLS, ROADS AND CURBS AFFECTING LANDSCAPE SCOPE OF WORK WITH RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS PRIOR TO COMMENCING SITE WORK.
- VERIFY LOCATION OF ALL VAULTS, ELECTRICAL DUCT BANKS, MANHOLES, CONDUIT AND PIPING, DRAINAGE STRUCTURES, LIGHTING AND OTHER UTILITIES WITH THE APPROPRIATE ENGINEER'S DRAWINGS.
- WHERE NOT SHOWN ON LANDSCAPE DRAWINGS, SEE CIVIL ENGINEERING DRAWINGS FOR ROADWAY CENTERLINE, STATION POINTS, BENCH MARKS AND BUILDING SETBACKS.
- TAKE ALL DIMENSIONS FROM CENTER OF CURB, WALL OR BUILDING, OR TO CENTERLINE OF BUILDING COLUMNS OR TREES UNLESS OTHERWISE NOTED.
- ALL ITEMS DESIGNATED AS "SIMILAR" OR "TYPICAL" (TYP) SHALL BE CONSTRUCTED IN THE MANNER OF THE DETAIL REFERENCED, WITH MINOR ADJUSTMENT FOR SPECIFIC CONDITION.
- SITE DESIGN BASED ON TOPOGRAPHIC INFORMATION FROM ARCHITECT. ALL GRADES TO BE VERIFIED IN FIELD.
- SPECIFICATIONS FOR CONSTRUCTION METHODS AND MATERIALS NOT LISTED.
- SHOULD CONFLICTS ARISE BETWEEN DRAWINGS AND SPECIFICATIONS, DRAWINGS SHALL GOVERN DIMENSIONS AND QUANTITY, SPECIFICATIONS SHALL GOVERN MATERIALS AND FINISHES.
- ALL ELECTRICAL WORK TO COMPLY WITH CITY OF SUNNYVALE SPECIFICATIONS AND UNDERWRITERS LABORATORIES (UL) SPECIFICATIONS.
- PLANT PROTECTION: ALL WORK PERFORMED WITHIN THE DRIP LINE OF TREES DESIGNATED "EXISTING TREES TO REMAIN" SHALL BE HAND LABOR. SEE LANDSCAPE PLAN FOR RESTRICTIONS.
- CONTRACTOR IS RESPONSIBLE FOR PHOTO DOCUMENTATION OF ALL CLOSED IN WORK.
- ALL EARTHWORK, INCLUDING SITE CLEARING, PIER DRILLING AND SPREAD FOOT EXCAVATION, PREPARATION OF SUBGRADE AND SELECT FILL BENEATH SLABS-ON-GRADE AND OTHER FLATWORK, PLACEMENT AND COMPACTION OF ENGINEERED FILL, AND SURFACE AND SUBSURFACE DRAINAGE SHOULD BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS BY STRUCTURAL ENGINEER. STRUCTURAL ENGINEER SHOULD BE PROVIDED AT LEAST 48 HOURS ADVANCED NOTIFICATION OF ANY EARTHWORK OPERATIONS AND SHOULD BE PRESENT TO OBSERVE AND/OR TEST OF NECESSARY TO EARTHWORK AND FOUNDATION INSTALLATION PHASES OF THE PROJECT.
- PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY AND ADDED PER CITY/TOWN ASSESSOR'S PARCEL MAP. IF A DISCREPANCY ARISES, A BOUNDARY SURVEY SHALL BE COMPLETED BY A LICENSED SURVEYOR TO RESOLVE THE ISSUE.
- CONTRACTOR TO VISIT SITE TO CONFIRM EXISTING CONDITIONS PRIOR TO SUBMITTING BID. CONTRACTOR TO EXAMINE AND NOTE ALL EXISTING CONDITIONS AS THE CHARACTER AND EXTENT OF WORK INVOLVED.
- CONTRACTOR TO REMOVE ALL OBSTRUCTIONS BOTH BELOW AND ABOVE GROUND, AS NECESSARY FOR CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- BID IS TO BE SUBMITTED ON A LINE ITEM BASIS WITH UNIT PRICING WHERE APPLICABLE.



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

SIGNATURE: *Agnes Tung*

DATE: 04/08/2024

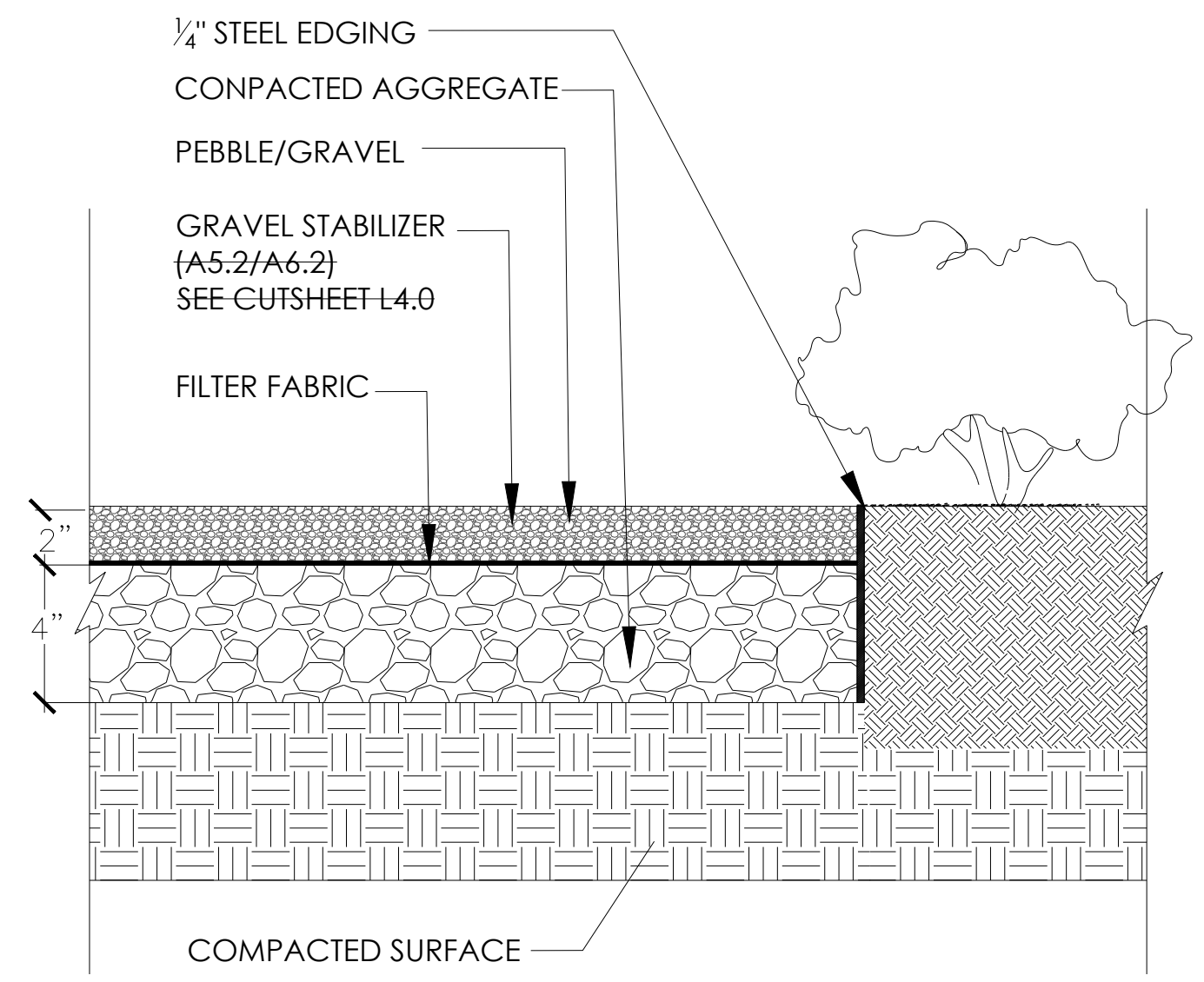


**PLANTING NOTES**

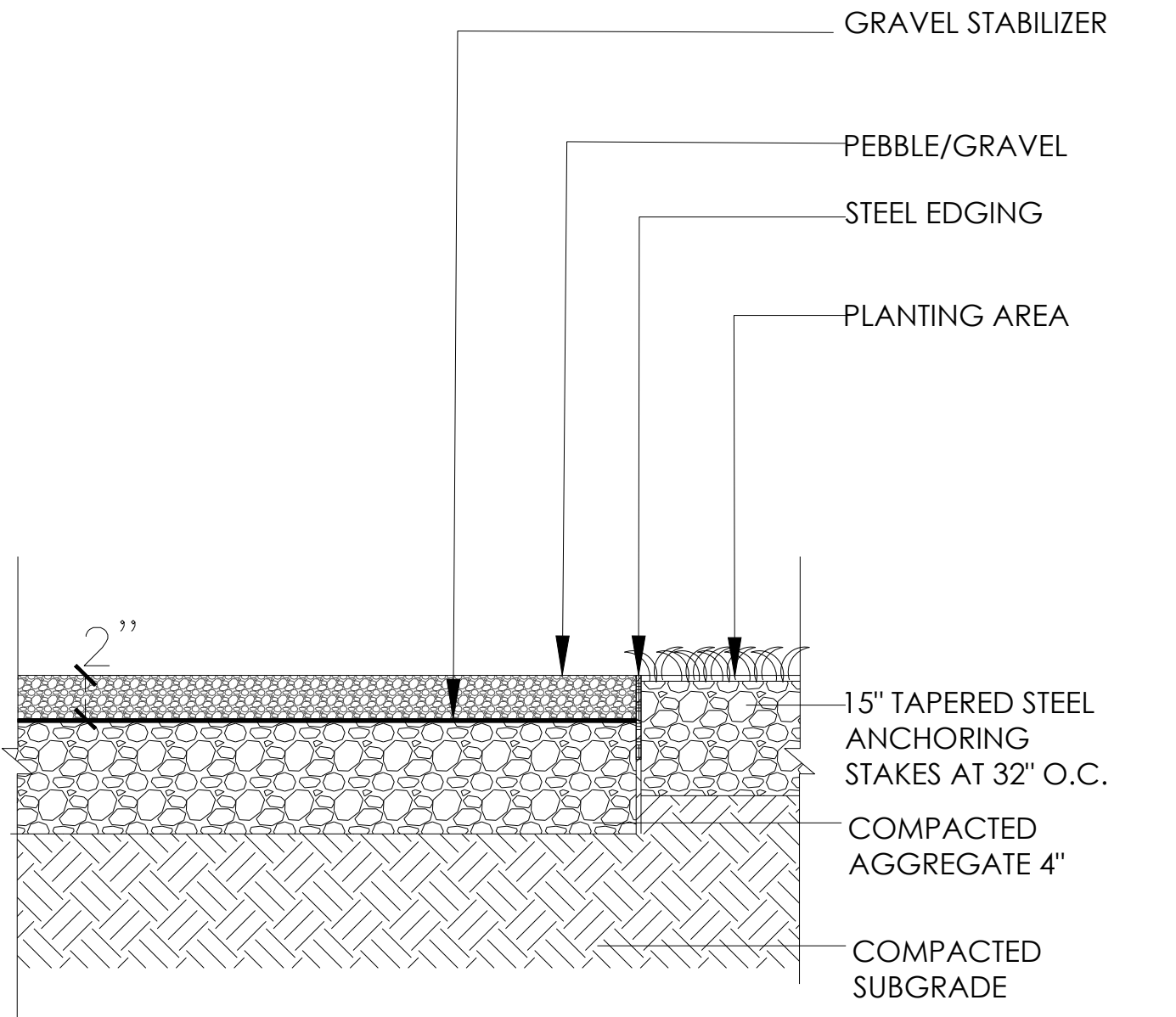
1. PROVIDE MATCHING SIZES AND FORMS FOR EACH SPECIES FOR TREES INSTALLED IN GRID OR SPACED EQUALLY IN ROWS AS SHOWN ON DRAWINGS. ALIGN TREES ACROSS ROADWAYS, DRIVES OR WALKWAYS. ADJUST SPACING AS NECESSARY.
2. PROVIDE MATCHING SIZES AND FORMS FOR ALL HEDGE PLANTINGS. SPACE EQUALLY ON TRIANGULAR OR GRID SPACING AS CALLED FOR ON DETAIL. WHERE GROUND COVER IS SHOWN AS A HATCH, QUANTITIES ARE NOT GIVEN. PROVIDE PLANT MATERIAL TO FILL SPACE SHOWN ON DRAWINGS.
3. EQUALLY SPACE VINES PLANTED IN ROWS AGAINST WALLS OR FENCES. SEE DRAWINGS FOR QUANTITY AND SPACING. REMOVE ALL VINES FROM NURSERY STAKES AND SPREAD OUT ONTO WALL PRIOR TO ATTACHING TO SURFACE.
4. PLANT NAMES ARE ABBREVIATED ON THE DRAWINGS. SEE PLANT LIST FOR KEY AND CLASSIFICATION.
5. MULCH: MULCH IS TO BE 3" MINI PINE BARK. CONFIRM SELECTION WITH OWNER/PROJECT MANAGER PRIOR TO PLANTING.
6. SOIL AMENDMENT: AMEND SOIL PER SOILS REPORT AND DIRECTION OF OWNER/PROJECT MANAGER. SOIL TEST LOCATION PER L.A.; A MINIMUM OF 2" OF FULLY STABILIZED AND CERTIFIED COMPOST IS TO BE INCORPORATED IN THE TOP 12" OF SOIL.
7. SLOW-RELEASE FERTILIZER TABLET: "AGRIFORM" 7 GRAM TABLETS WITH 20-10-5 (N-P-K) BY SCOTTS (800) 492-8255.
8. LANDSCAPE MAINTENANCE:
  - A. LANDSCAPE MAINTENANCE SHALL BE PROVIDED FOR (90 DAYS) AFTER PRELIMINARY ACCEPTANCE.
  - B. QUALIFICATIONS: LANDSCAPE CONTRACTOR OR MAINTENANCE SUBCONTRACTOR SHALL HAVE A FULL TIME EMPLOYEE ASSIGNED TO THE JOB AS FOREMAN FOR THE DURATION OF THE CONTRACT. FOREMAN SHALL HAVE A MINIMUM OF FOUR (4) YEARS EXPERIENCE IN LANDSCAPE MAINTENANCE SUPERVISION, WITH EXPERIENCE OR TRAINING IN TURF MANAGEMENT, ENTOMOLOGY, PEST CONTROL, SOILS, FERTILIZERS AND PLANT IDENTIFICATION.
  - C. MAINTENANCE CONTRACTOR TO MAINTAIN ALL PLANT MATERIALS AND IRRIGATION SYSTEM.
  - D. CONTRACTOR TO INSTRUCT MAINTENANCE CONTRACTOR.
  - E. LANDSCAPE MAINTENANCE CONTRACTOR SHALL SUBMIT MAINTENANCE SCHEDULE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO START OF LANDSCAPE MAINTENANCE PERIOD.
  - F. AT BEGINNING OF MAINTENANCE PERIOD, VISIT AND WALK SITE WITH LANDSCAPE ARCHITECT TO VERIFY SCOPE OF WORK AND UNDERSTAND EXISTING /SITE CONDITIONS. NOTIFY LANDSCAPE ARCHITECT FIVE (5) DAYS PRIOR TO VISIT.
  - G. MATCH ALL MATERIALS WITH SAME MATERIALS USED IN ORIGINAL INSTALLATION.
  - H. STERILIZE ALL TOOLS USED PRIOR TO ANY MAINTENANCE WORK.
17. ALL TREES AND HEDGES ARE NOT TO BE TRIMMED IN GEOMETRIC FORMS AND ARE TO BE LEFT IN A NATURAL HABIT.
18. CLOSE OUT AND MAINTENANCE MANUAL: LANDSCAPE CONTRACTOR SHALL SUBMIT A MANUAL WITH ALL MATERIALS AND PRODUCTS USED IN CONSTRUCTION AND MAINTENANCE PERIOD. MAKE CORRECTIONS AND ADDITIONS PER DIRECTION OF LANDSCAPE ARCHITECT PRIOR TO FINAL SUBMITTAL TO THE OWNER. SUBMIT LOG OF ALL FERTILIZERS AND HERBICIDES WITH DATES AND RATES APPLIED DURING MAINTENANCE PERIOD. LANDSCAPE ARCHITECT SHALL WALK SITE WITH CONTRACTOR AND NOTE ALL UNSATISFACTORY WORK. UNSATISFACTORY WORK SHALL BE CORRECTED WITHIN 10 CALENDAR DAYS.

**IRRIGATION NOTES**

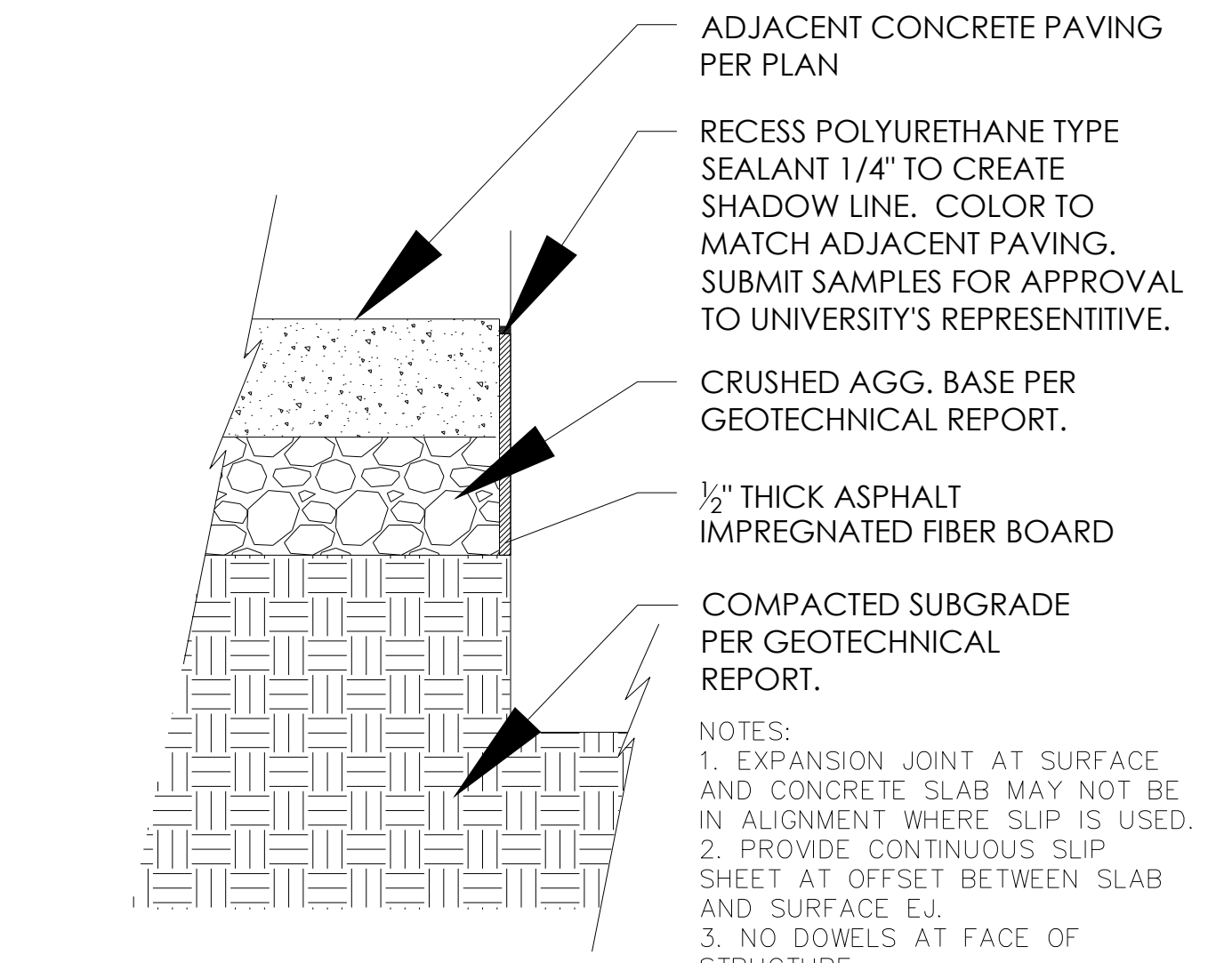
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2. IRRIGATION EQUIPMENT MAY BE SHOWN WITHIN HARDSCAPE FOR GRAPHIC CLARITY ONLY. INSTALL ALL IRRIGATION EQUIPMENT WITHIN PLANTED AREAS. IRRIGATION PIPE AND WIRE CROSSING BENEATH HARDSCAPE SURFACES SHALL BE CONTAINED WITHIN SLEEVING OR SCHEDULE 40 PVC CONDUIT. SLEEVING SIZE SHALL BE A MINIMUM OF TWO TIMES THE AGGREGATE DIAMETER OF ALL PIPES CONTAINED WITHIN SLEEVE. PROVIDE VERTICAL SWEEP FOR ALL ELECTRICAL CONDUIT ON EACH SIDE OF HARDSCAPE AND TERMINATE ENDS AT 12" MINIMUM DEPTH AND 12" FROM HARDSCAPE SURFACE.
3. UNSIZED LATER LINE PIPING LOCATED DOWN STREAM OF 1" PIPING SHALL BE 3/8" IN SIZE. (TYPICAL).
4. SIZING OF LATERA; PIPE SHALL BE AS FOLLOWS:
  - .75" 0-6 GPM
  - 1" 7-12 GPM
  - 1.25" 13-20 GPM
5. SIZING OF LATERAL PIPE FOR DRIPLINE (12" O.C. GRID WITH 0.6 GPH OR LESS EMITTERS) SHALL BE AS FOLLOWS:
  - .75" 0-500 FT
  - 1" 501-1100 FT
6. SIZING OF LATERAL PIPE FOR DRIPLINE (18" O.C. GRID WITH 0.6 GPH OR LESS EMITTERS) SHALL BE AS FOLLOWS:
  - .75" 0-1100 FT
  - 1" 1101-2200 FT
7. AUTOMATIC IRRIGATION CONTROLLERS ARE REQUIRED AND MUST USE EVAPOTRANSPIRATION OR SOIL MOISTURE SENSOR DATA AND UTILIZE A RAIN SENSOR.
8. IRRIGATION CONTROLLERS SHALL BE A TYPE WHICH DOES NOT LOSE PROGRAMMING DATA IN THE EVENT THE PRIMARY POWER SOURCE IS INTERRUPTED.
9. PRESSURE REGULATORS SHALL BE INSTALLED ON THE IRRIGATION SYSTEM TO ENSURE THE DYNAMIC PRESSURE OF THE SYSTEM IS WITHIN THE MANUFACTURER'S RECOMMENDED PRESSURE RANGE.
10. MANUAL SHUT-OFF VALVES (SUCH AS A GATE VALVE, BALL VALVE, OR BUTTERFLY VALVE) SHALL BE INSTALLED AS CLOSE TO POSSIBLE TO THE POINT OF CONNECTION OF THE WATER SUPPLY.
11. ALL IRRIGATION EMISSION DEVICES MUST MEET THE REQUIREMENTS SET IN THE ANSI STANDARD, ASABE/ICC 802-2014 "LANDSCAPE IRRIGATION SPRINKLER AND EMITTER STANDARD." ALL SPRINKLER HEADS INSTALLED IN THE LANDSCAPE MUST DOCUMENT A DISTRIBUTION UNIFORMITY LOW QUARTER OF 0.65 OR HIGHER USING THE PROTOCOL DEFINED IN ASABE/ICC 802-2014.
12. DEDICATED IRRIGATION METERS ARE REQUIRED FOR NON-RESIDENTIAL PROJECTS WITH MORE THAN 1,000 SQ. FT. OF LANDSCAPE AREA.



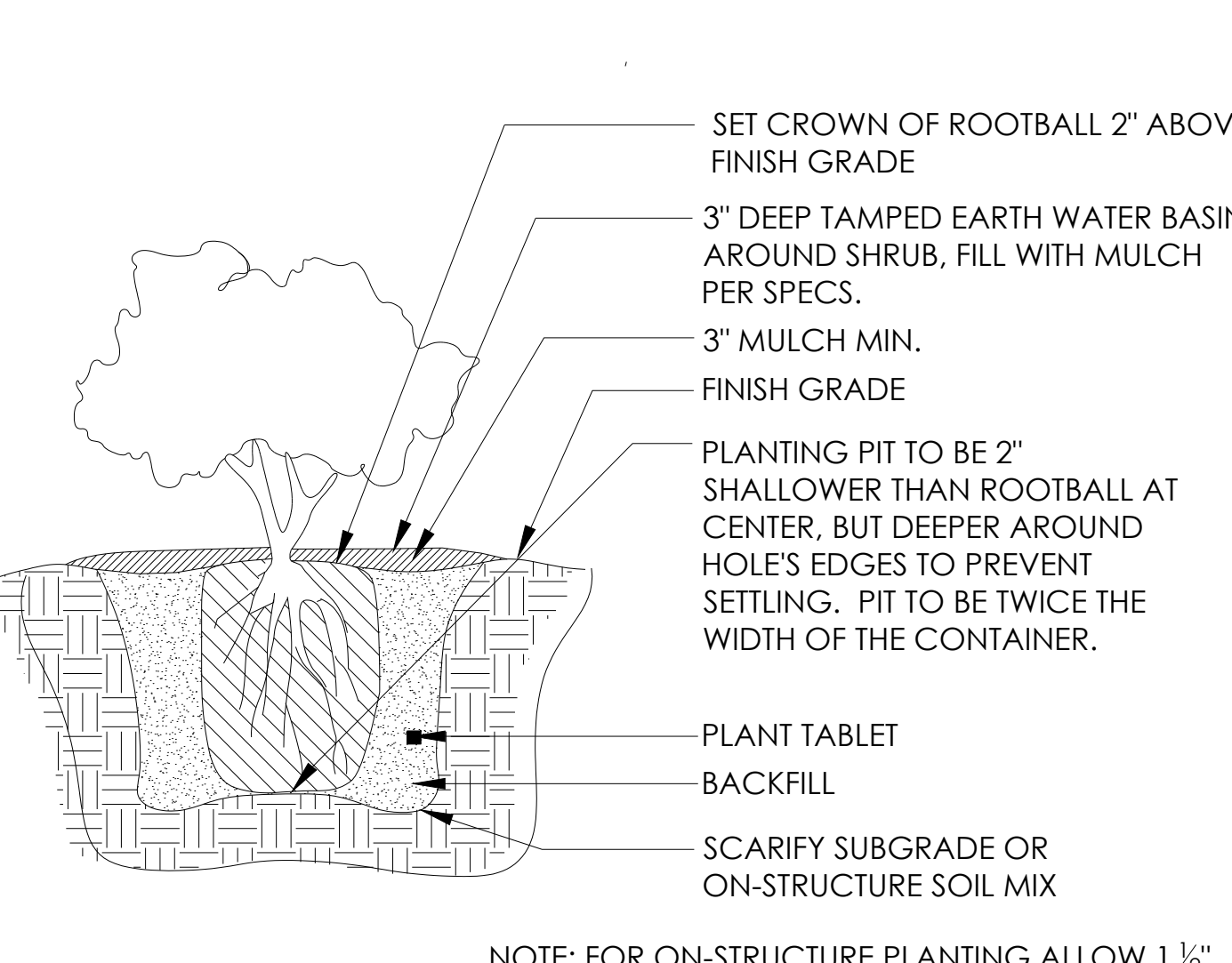
**6 PLANTING NEXT TO PEBBLE**  
N.T.S.



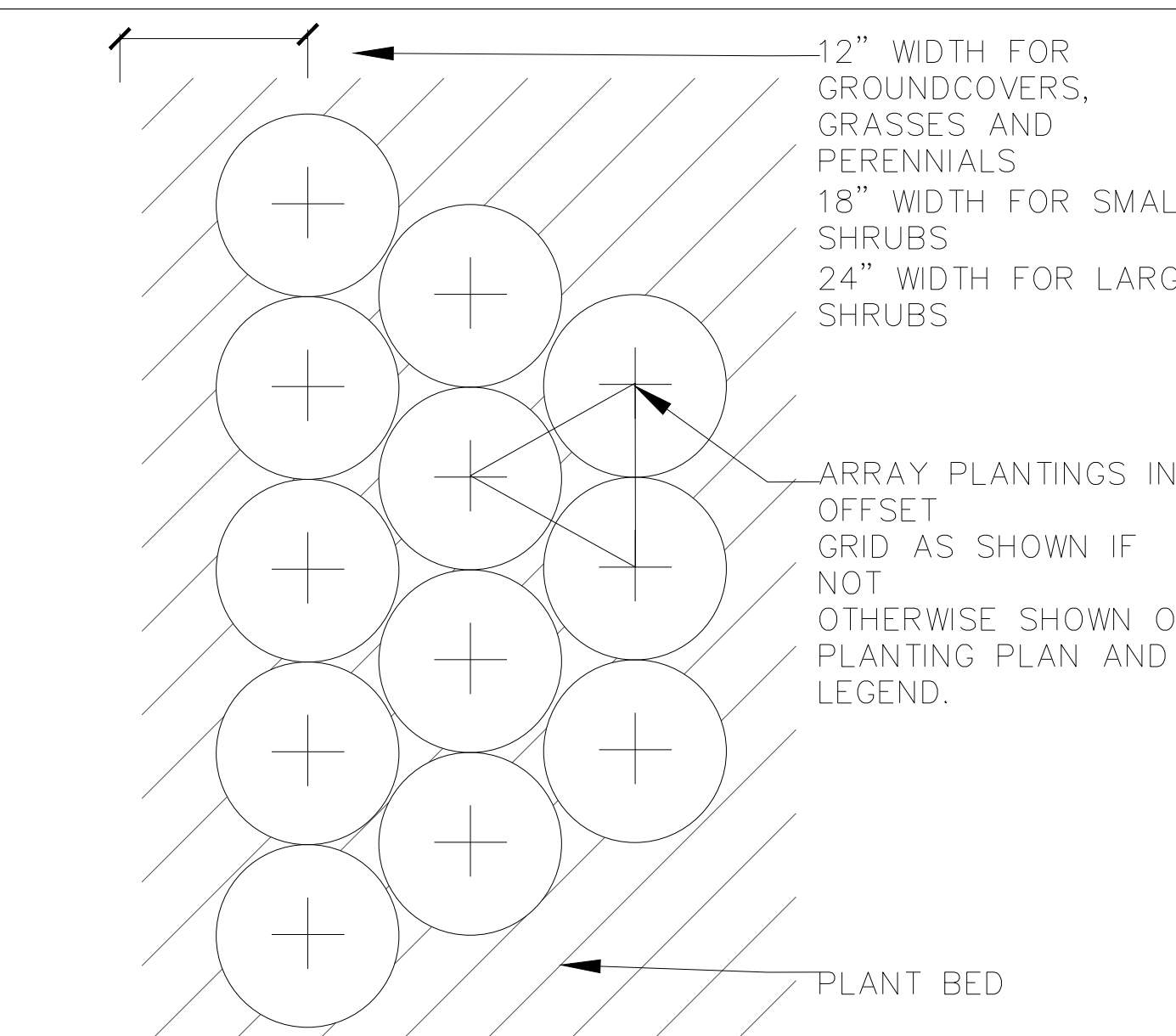
**3 PEBBLE WITH STEEL EDGE**  
N.T.S.



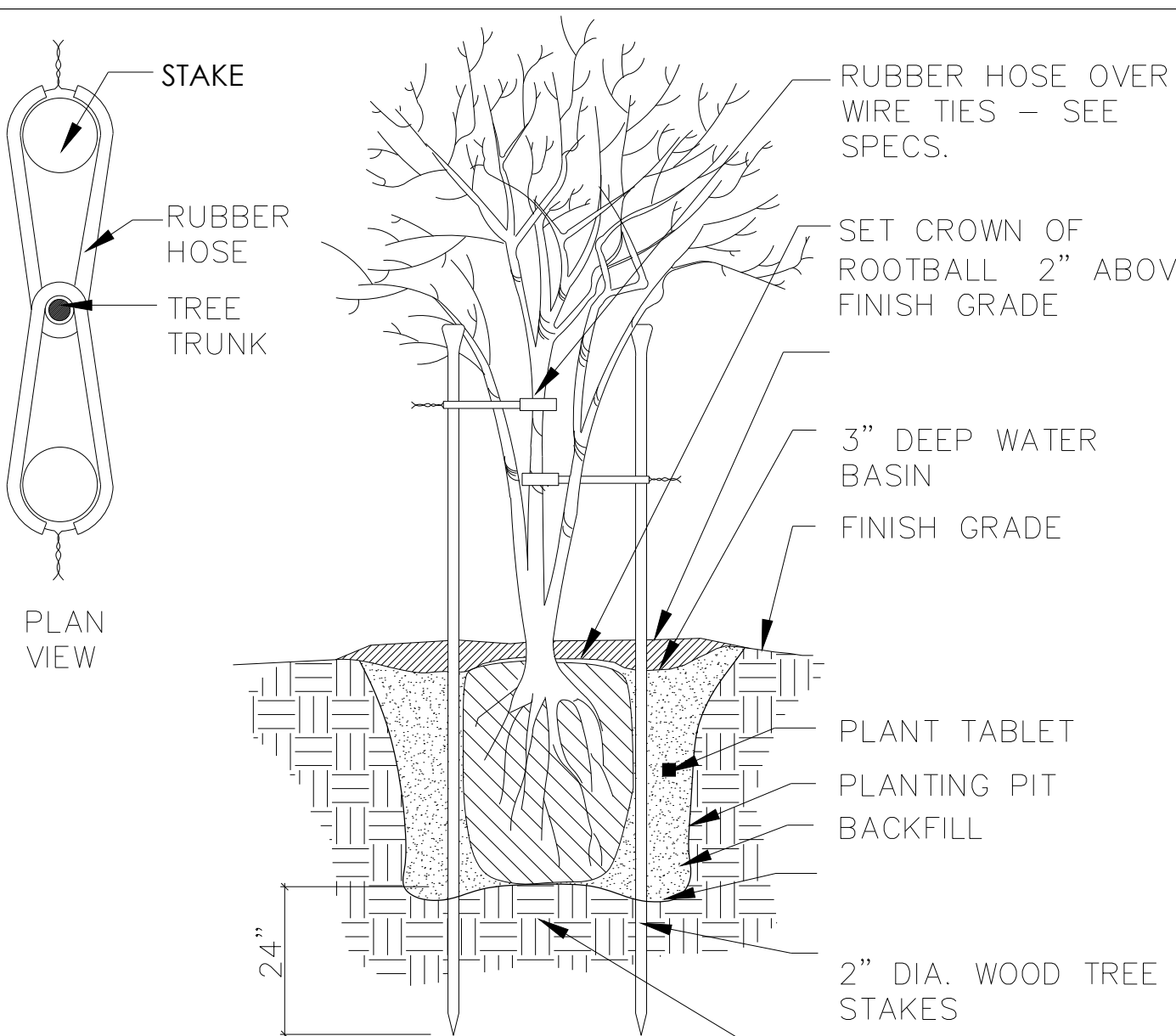
**5 EXPANSION JOINT AT VERTICAL SURFACE**  
N.T.S.



**2 SHRUB PLANTING**  
N.T.S.



**4 GROUND COVER PLANTING**  
N.T.S.



**1 TREE PLANTING / STAKING**  
N.T.S.



**1675 Lot 5 Residential Landscape Plan**

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**Owners of 1675 Fairway Drive Los Altos**  
 Plan Prepared by  
**Landscape Designer Agnes Tung Muzik Design (239) 410-9251 agnesytung@gmail.com**

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- DEDICATED IRRIGATION METERS ARE REQUIRED FOR NON-RESIDENTIAL PROJECTS WITH MORE THAN 1,000 SQ. FT. OF LANDSCAPE AREA.

**IRRIGATION SCHEDULE**

FOR THE EFFICIENT USE OF WATER, ALL IRRIGATION SCHEDULES SHALL BE DEVELOPED, MANAGED, AND EVALUATED TO UTILIZE THE MINIMUM AMOUNT OF WATER REQUIRED TO MAINTAIN PLANT HEALTH. IRRIGATION SCHEDULES SHALL MEET THE FOLLOWING CRITERIA:

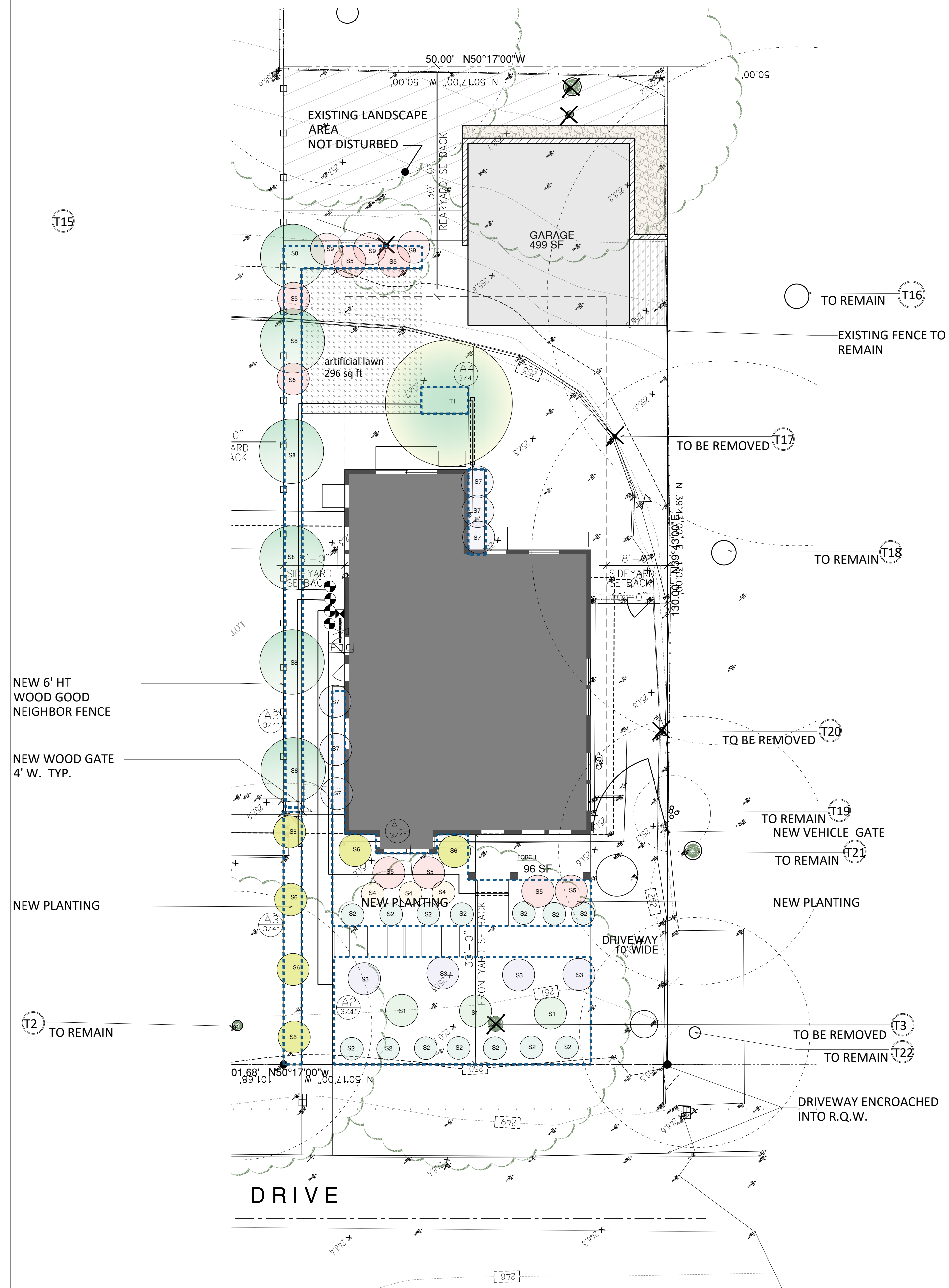
- IRRIGATION SCHEDULING SHALL BE REGULATED BY AUTOMATIC IRRIGATION CONTROLLERS.
- OVERHEAD IRRIGATION SHALL BE SCHEDULED BETWEEN 8:00 P.M. AND 10:00 A.M. UNLESS WEATHER CONDITIONS PREVENT IT. IF ALLOWABLE HOURS OF IRRIGATION DIFFER FROM THE LOCAL WATER PURVEYOR, THE STRICTER OF THE TWO SHALL APPLY. OPERATION OF THE IRRIGATION SYSTEM OUTSIDE THE NORMAL WATERING WINDOW IS ALLOWED FOR AUDITING AND SYSTEM MAINTENANCE.
- FOR IMPLEMENTATION OF THE IRRIGATION SCHEDULE, PARTICULAR ATTENTION MUST BE PAID TO IRRIGATION RUN TIMES, EMISSION DEVICE, FLOW RATE, AND CURRENT REFERENCE EVAPOTRANSPIRATION, SO THAT APPLIED WATER MEETS THE ESTIMATED TOTAL WATER USE (ETWU). TOTAL ANNUAL APPLIED WATER SHALL BE LESS THAN OR EQUAL TO MAXIMUM APPLIED WATER ALLOWANCE (MAWA). ACTUAL IRRIGATION SCHEDULES SHALL BE REGULATED BY AUTOMATIC IRRIGATION CONTROLLERS USING CURRENT REFERENCE EVAPOTRANSPIRATION DATA (E.G., CIMIS) OR SOIL MOISTURE SENSOR DATA.
- PARAMETERS USED TO SET THE AUTOMATIC CONTROLLER SHALL BE DEVELOPED AND SUBMITTED FOR EACH OF THE FOLLOWING: (A) THE PLANT ESTABLISHMENT PERIOD, (B) THE ESTABLISHED LANDSCAPE, (C) TEMPORARILY IRRIGATED AREAS.
- EACH IRRIGATION SCHEDULE SHALL CONSIDER FOR EACH STATION ALL OF THE FOLLOWING THAT APPLY:  
 (A) IRRIGATION INTERVAL (DAYS BETWEEN IRRIGATION)  
 (B) IRRIGATION RUN TIMES (HOURS OR MINUTES PER IRRIGATION EVENT TO AVOID RUNOFF)  
 (C) NUMBER OF CYCLE STARTS REQUIRED FOR EACH IRRIGATION EVENT TO AVOID RUNOFF  
 (D) AMOUNT OF APPLIED WATER SCHEDULED TO BE APPLIED ON A MONTHLY BASIS  
 (E) APPLICATION RATE SETTING  
 (F) ROOT DEPTH SETTING  
 (G) PLANT TYPE SETTING  
 (H) SOIL TYPE (I) SLOPE FACTOR SETTING  
 (J) SHADE FACTOR SETTING  
 (K) IRRIGATION UNIFORMITY OR EFFICIENCY SETTING
- THE CONTRACTOR SHALL SET UP SOAK CYCLES WITH MULTIPLE START TIMES WHICH WILL ELIMINATE POOLING AND RUN OFF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MANAGE LANDSCAPE SO AS TO NOT EXCEED THE ESTIMATED ETWU.
- FOR IRRIGATION ZONE SCHEDULING, REFER TO MWEO CALCULATIONS FOR VALVE ZONE ETWU.

**APPROXIMATE IRRIGATION DAYS (S2 TOTAL)**

- JANUARY (1)
- FEBRUARY (2)
- MARCH (4)
- APRIL (5)
- MAY (7)
- JUNE (8)
- JULY (8)
- AUGUST (7)
- SEPTEMBER (5)
- OCTOBER (3)
- NOVEMBER (3)
- DECEMBER (1)

Reference Evapotranspiration (Eto)		43 Los Altos		ETWU requirement		MAWA requirement	
Hydrozone # / Planting Description	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF / IE)	Landscaped Area (LA) (sq. ft.)	ETAF x Area	ETWU requirement
<b>Regular Landscape Area</b>							
A1 Front yard planting	0.2	Drip	0.81	0.247	261	64.44	
A2 Entry path planting	0.2	Drip	0.81	0.247	259	63.95	
A3 side path planting	0.2	Drip	0.81	0.247	382	94.32	
A4 backyard path	0.2	Drip	0.81	0.247	73	18.02	
				<b>Totals</b>	<b>975.00</b>	<b>240.74</b>	
<b>Special Landscape Area (SLA) Recycled Water</b>							
1) Low water use plants					1	0	0
2) Medium water use plants					1	0	0
3) Medium water use plants					1	0	0
				<b>Totals</b>	<b>3</b>	<b>0</b>	<b>0</b>
						<b>Estimate Total Water Use (ETWU)</b>	
						<b>Maximum Allowed Water Allowance (MAWA)</b>	
<b>Regular Landscape Areas</b>							
Total ETAF x Area	240.74	Average ETAF for regular landscape areas must be 0.55 or below					
Total Area	975.00	0.55 for residential areas, and 0.45 or below for non-residential					
Average ETAF	0.247	Areas + Cultivars projects must be 0.45 or below.					
<b>Total Landscape Areas</b>							
MAWA Total	11697.08	Gallons / Year					
ETWU Total	6418.15	Gallons / Year					
		Percent reduction of					
Sitewide ETAF	0.65	Portable					

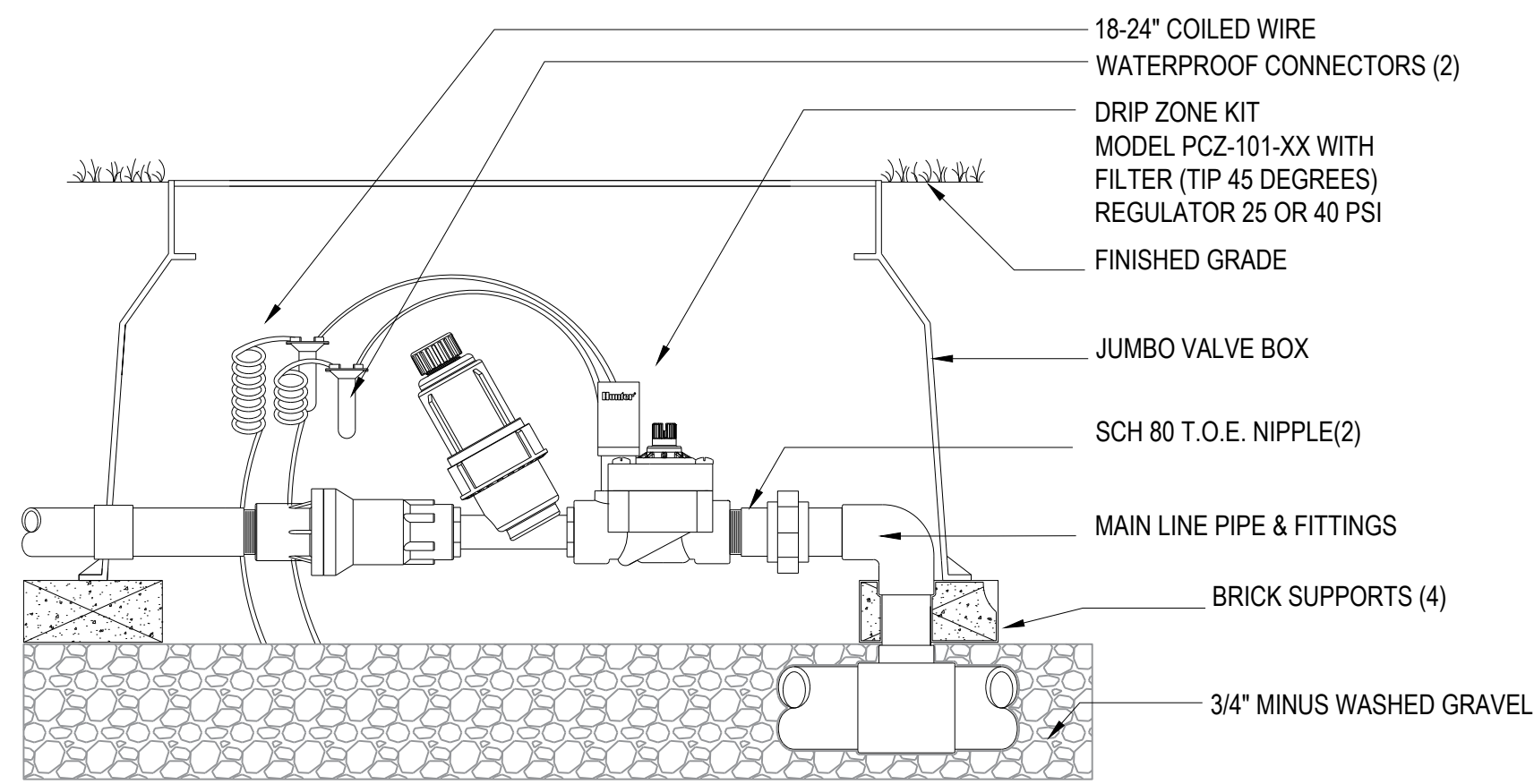
Symbol	Description
P.O.C.	Point of connection (Connect to irrigation water meter) Irrigation water meter - to be provided by others. If static pressure at water meter exceeds 120 PSI - use SCH 40 steel pipe from irrigation meter to irrigation RP. assembly ( size as noted on plans)
-----	Schedule 40 - or class 315 PVC pressure mainline ( 1")
----	Schedule 40 PVC non-pressure sleeve under pavement (2X size inside pipe)
-----	Class 200 PVC non-pressure lateral line (size as noted)
⊗	FEBCO Reduced Pressure Backflow Assembly 825YA-1"
⊕	Indicates controller station number
⊕	Indicates valve size
⊕	Hunter I-Core irrigation controller W/Weather Sensor
⊕	Rainbird - Flush Valve MDCFCAP
⊕	Hunter Remote Control valve w/ 40 PSI Pressure Regulator and 1" Filter
⊕	Hunter Remote Control valve w/ 40 PSI Pressure Regulator and 1" Filter (Tree Drip Rings)
⊕	Hunter - PROS-04 - 4" Pro-Spray Pop-Up Sprinkler Head
⊕	Hunter ICORE Solar Sync Sensing System. WSS-SEN
⊕	PVC isolation ball valve. Size as mainline. Locate in valve box.
⊕	XFCV Subsurface Tree Drip Ring Dripline Model XFS-06-12
⊕	Toro's new pressure-compensating 1/2" (13mm) threaded Drip Bubblers. One bubbler per shrub and two bubble per tree



**TREE PROTECTION AND SITE PLAN**

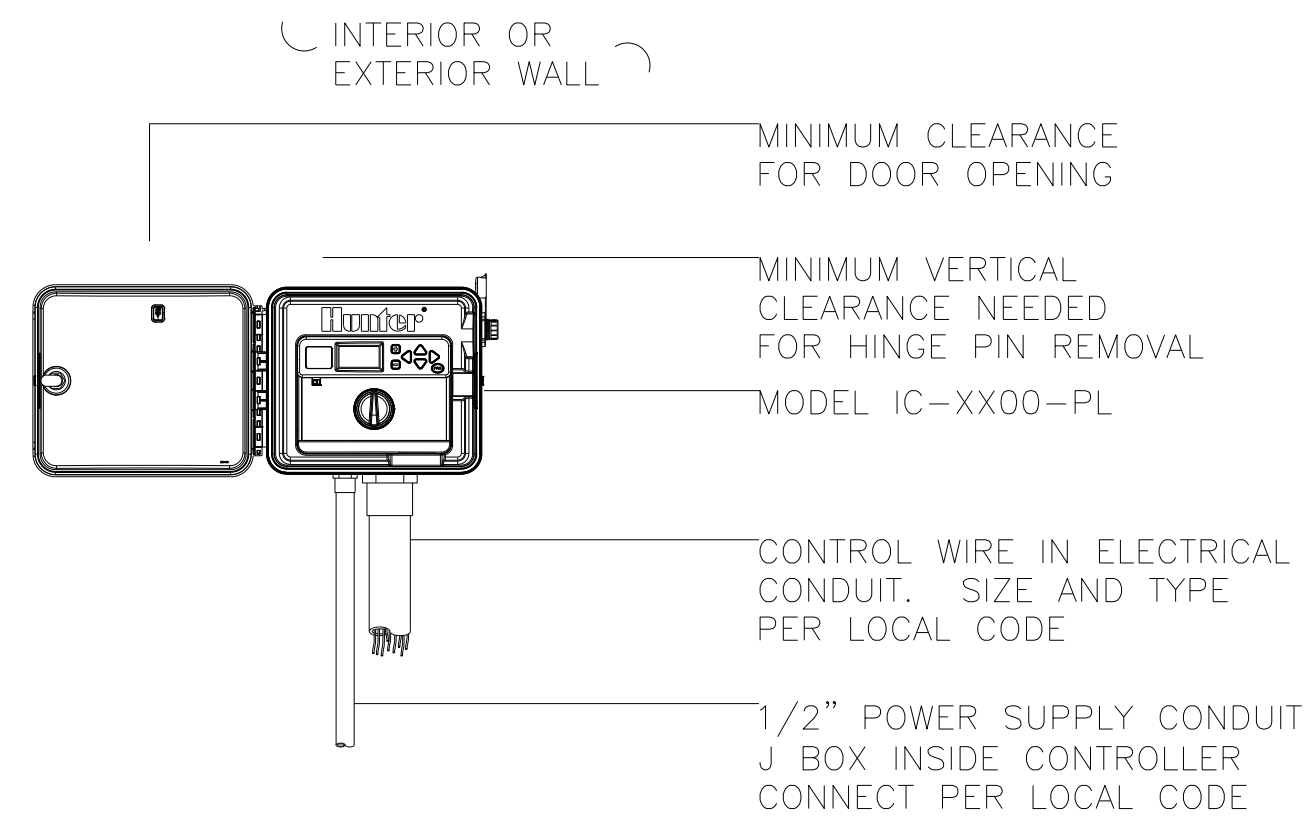
Drawing Title  
**TREE PROTECTION AND SITE PLAN**  
 Drawing Scale  
 1/8" = 1'-0"  
 Sheet Title  
**L-1**  
 4/08/2024





**1** REMOTE CONTROL VALVE (ICZ) WITH ISOLATION VALVE  
 N.T.S.

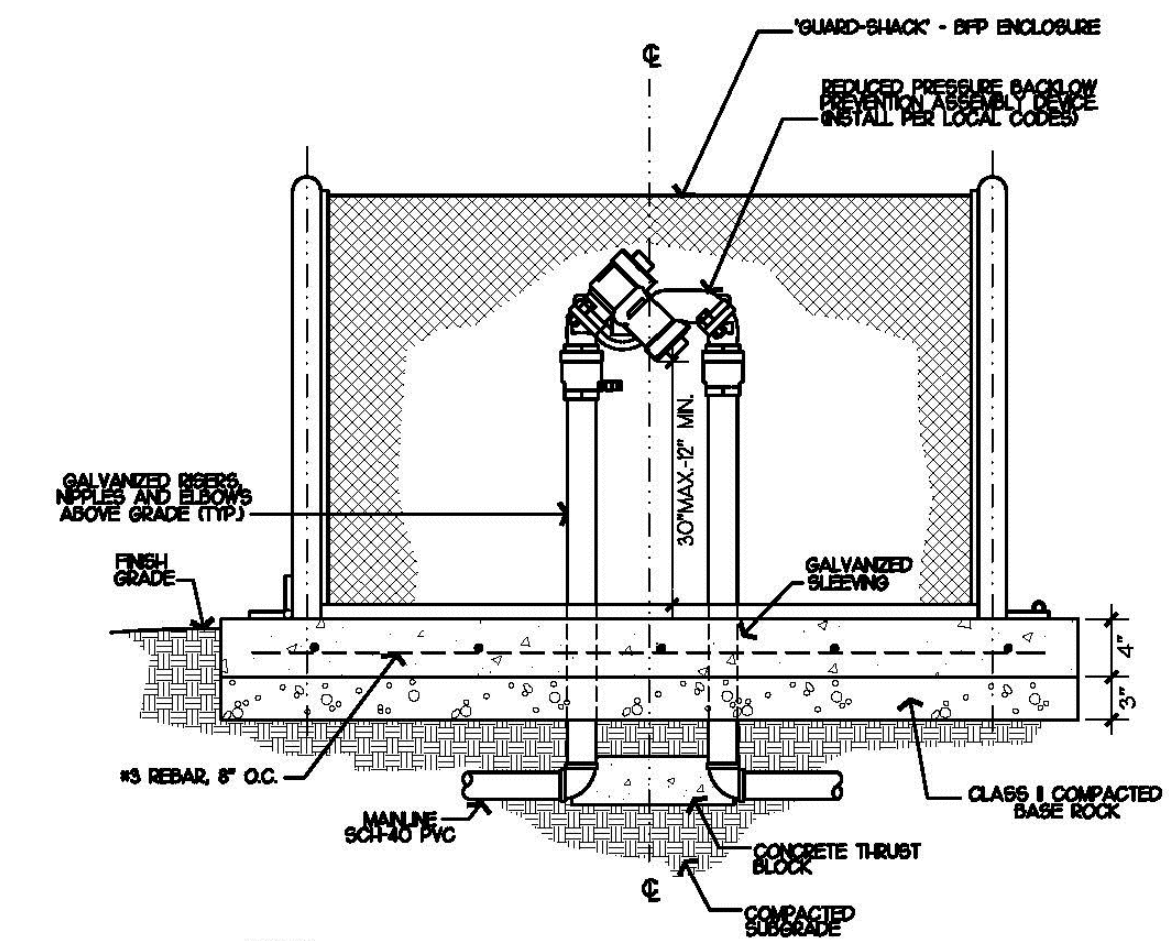
NOT TO SCALE



\*NOTE\*  
 SPECIFY 6, 12, 18, 24, 30, STATION MODEL CONTROLLER. MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUND 110 or 220 VAC SOURCE.

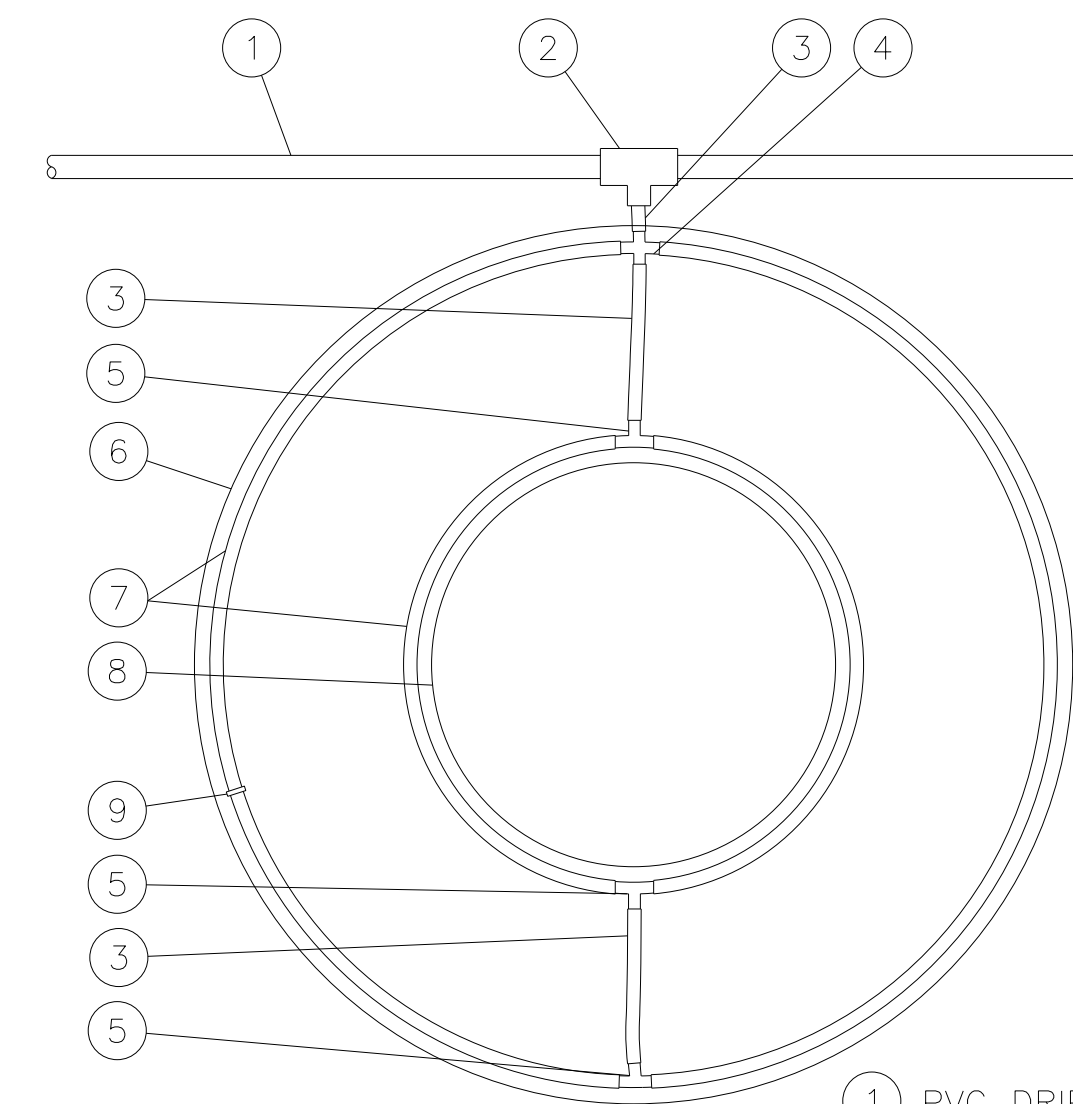
**2** I-CORE CONTROLLER  
 SCALE: 1" = 1'-0"

IRRIGATION DETAIL



NOTES:  
 1. ASSEMBLY TO BE 3'-0" (MIN) FROM PAVED AREAS.  
 2. SEAL ALL THREADED CONNECTIONS WITH PERMATEX 5-H PIPE JOINT COMPOUND OR EQUAL.  
 3. USE BACKFLOW PREVENTER ENCLOSURE - "GUARD-SHACK" SIZE ENCLOSURE AS REQUIRED. B.P.D.I. INC. (608) 788-5411.  
 4. INSTALL FREEZE PROTECTION BLANKET.

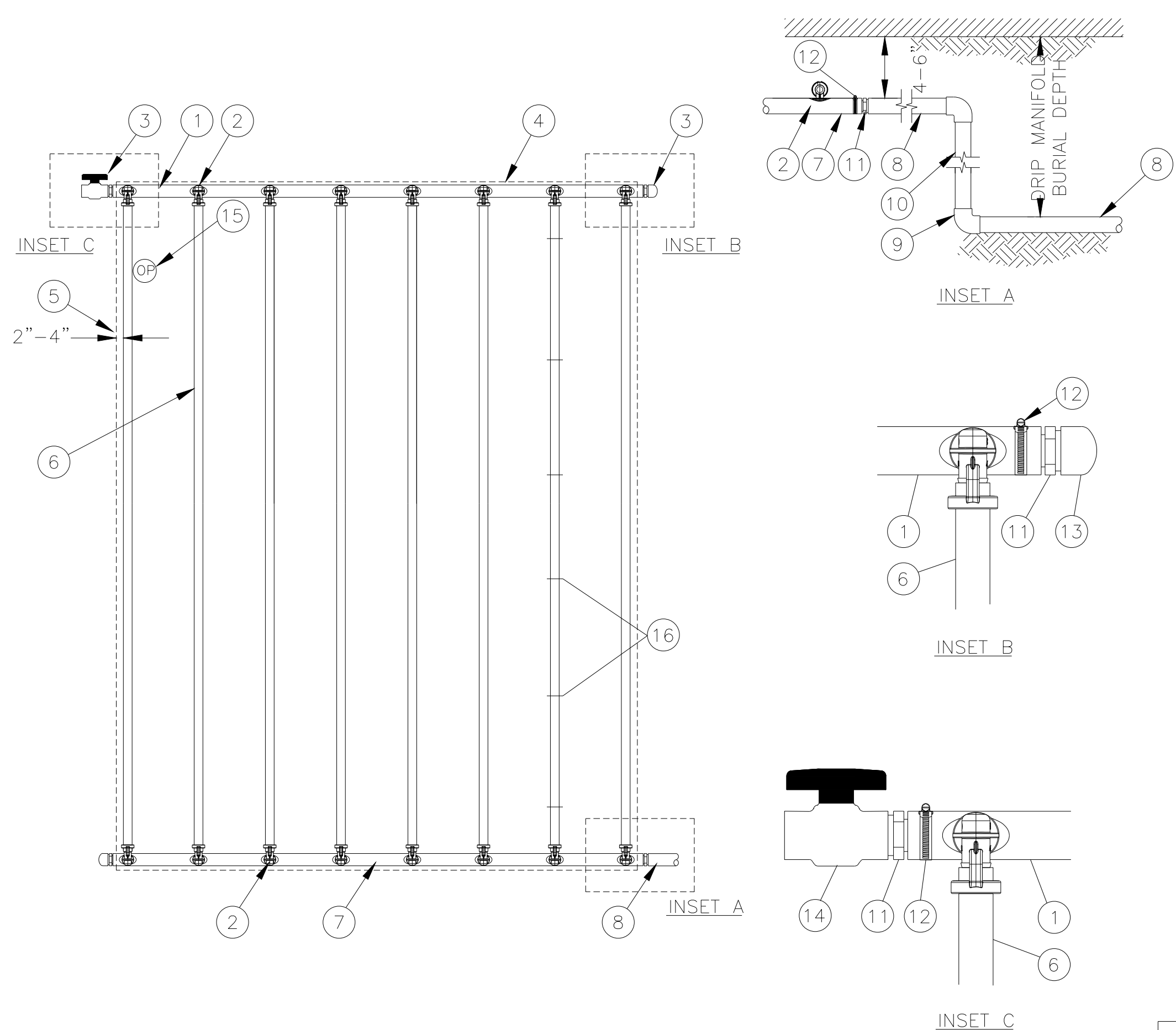
**3** REDUCED PRESSURE BACKFLOW ASSEMBLY  
 N.T.S.



- 1 PVC DRIP MANIFOLD PIPE
- 2 PVC SCH 40 TEE OR EL
- 3 1/2" POLYETHYLENE TUBING: RAIN BIRD XF SERIES BLANK TUBING
- 4 BARB CROSS INSERT FITTING: RAIN BIRD XFD-CROSS
- 5 BARB TEE INSERT FITTING: RAIN BIRD XFF-TEE
- 6 PROJECTED CANOPY LINE OF TREE
- 7 ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFCV DRIPLINE PLACE AS SHOWN (LENGTH AS REQUIRED)
- 8 ROOT BALL
- 9 TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (QUANTITY AS REQUIRED, SEE NOTES 2-3 BELOW)

NOTES:  
 1. DISTANCE BETWEEN LATERAL RINGS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, AND TREE CANOPY. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.  
 2. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.  
 3. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

**5** XFCV ON-SURFACE DRIPLINE AROUND TREE  
 N.T.S.



- 1 QF-FLUSH HEADER
  - 2 PRE-INSTALLED BARB FITTING
  - 3 FLUSH POINT WITH PVC CAP OR OPTIONAL PVC BALL VALVE PERIMETER OF AREA
  - 4 PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA
  - 5 RAIN BIRD XFS SERIES DRIPLINE (TYPICAL)
  - 6 QF-SUPPLY HEADER
  - 7 PVC DRIP MANIFOLD FROM RAIN BIRD CONTROL ZONE VALVE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
  - 8 QF-SUPPLY HEADER
  - 9 PVC SCH 40 ELL (TYPICAL)
  - 10 PVC SCH 40 RISER PIPE
  - 11 MALE ADAPTER INSERT
  - 12 STAINLESS STEEL, OETIKER OR MURRAY CLAMP
  - 13 PVC SCH 40 CAP
  - 14 PVC SCH 40 BALL VALVE
  - 15 OPERATION INDICATOR RAIN BIRD MODEL: OPERIND
- XF SERIES TIE-DOWN STAKES (TDS-050) REFER TO RAIN BIRD DRIPLINE DESIGN GUIDE FOR PROPER SPACING

XFS Dripline Maximum Lateral Lengths (Feet)						
Inlet Pressure psi	12" Spacing		18" Spacing		24" Spacing	
	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)
15	273	155	314	250	424	322
20	318	169	353	294	508	368
30	360	230	413	350	586	414
40	395	255	465	402	652	474
50	417	285	528	420	720	488
60	460	290	596	455	780	514

NOTES:  
 1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.  
 2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.

**4** DRIPLINE LAYOUT AND ASSEMBLY  
 N.T.S.