



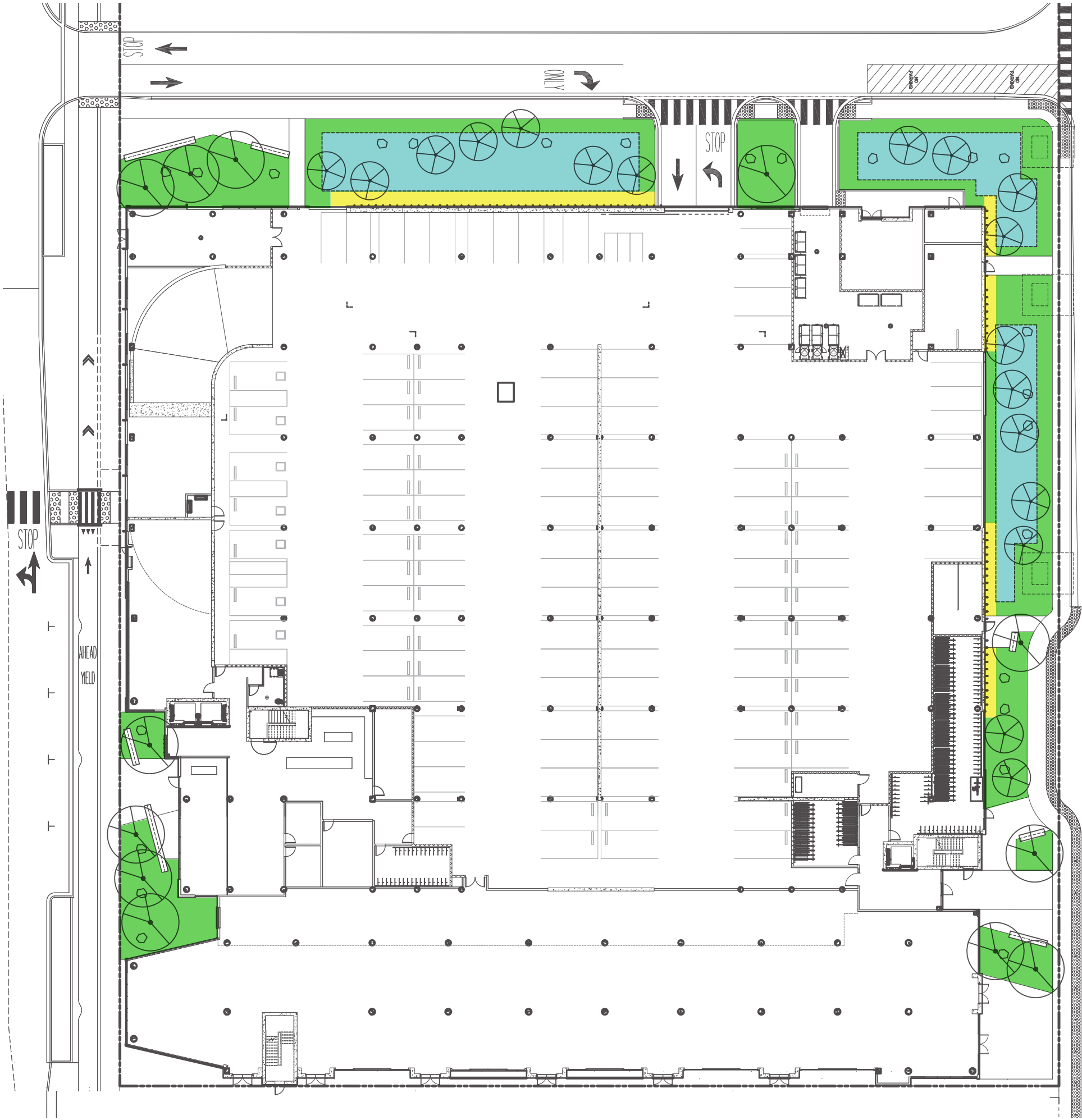
FLETCHER STUDIO

ALAMEDA POINT
PLANTING IMAGERY
01.07.2020

SITE PLAN
- LEVEL 1



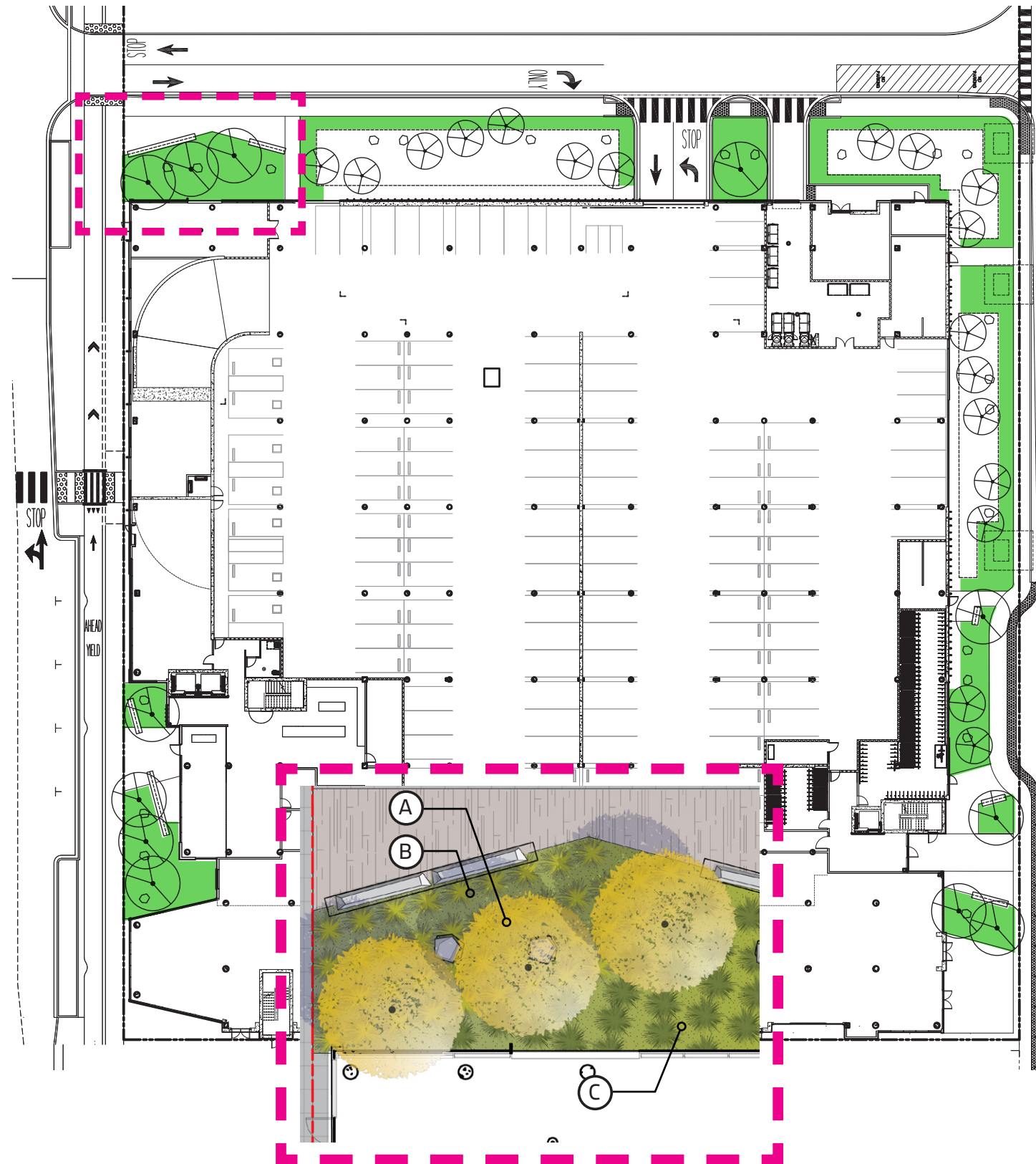
PLANTING PLAN
- LEVEL 1



- TYPICAL PLANTING AREA
- BIOSWALE PLANTING
- VINE PLANTING

PLANTING PLAN

- LEVEL 1



TYPICAL LEVEL 1 PLANTING AREA

TREES



- (A) BETULA JACQUEMONTII
- WHITE HIMALAYAN BIRCH

SHRUBS



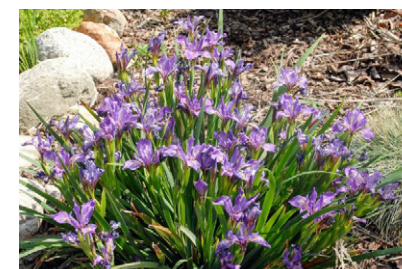
- (B) FESTUCA IDAHOENSIS
-NATIVE IDAHO FESCUE

- (C) SALVIA CLEVELANDII WINNEFRED GILLMAN
- CLEVELAND SAGE



- (B) LOMANDRA LONGIFOLIA BREEZE
- DWARF MAT RUSH

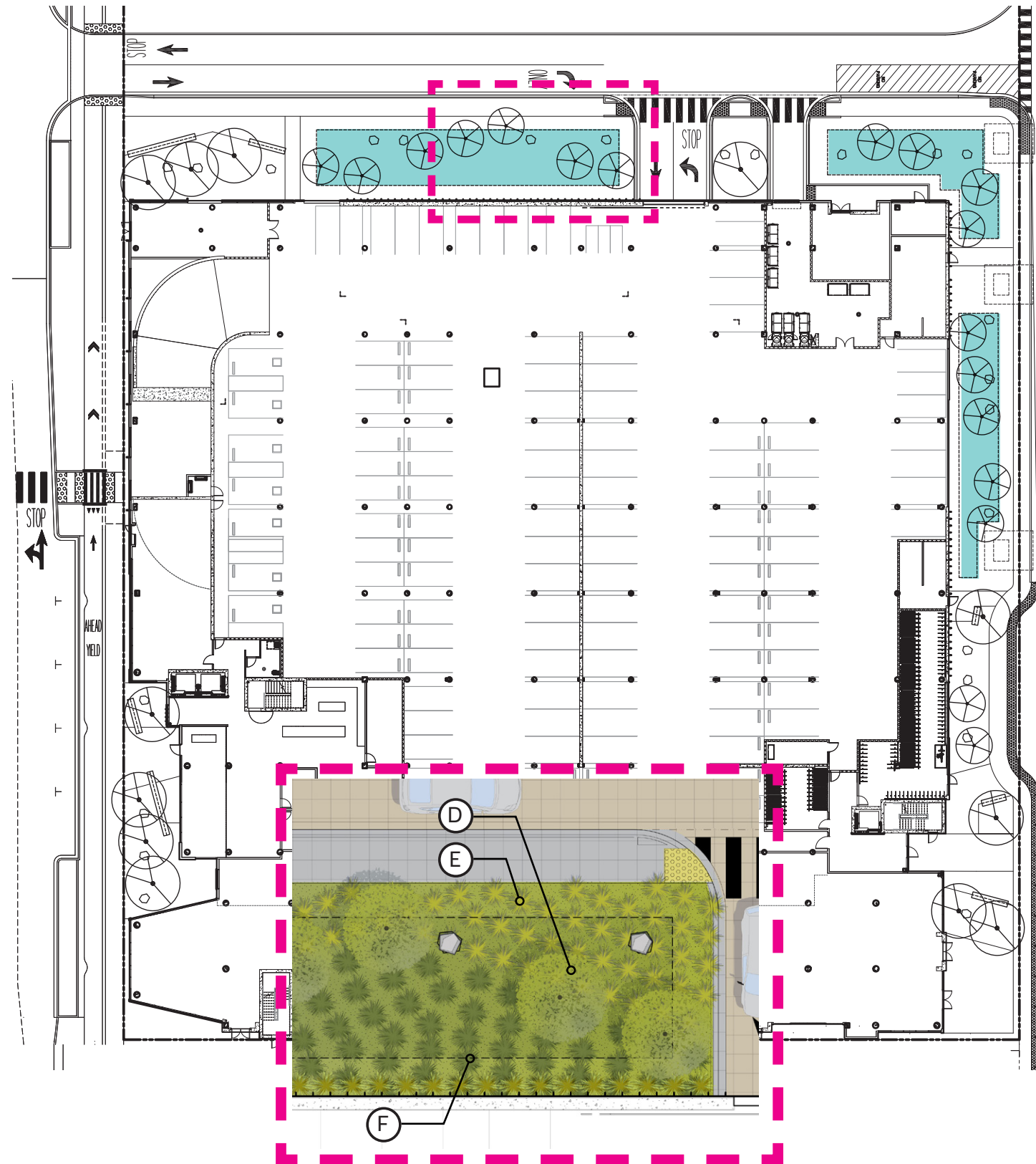
- (C) SALVIA GREGII PINK
-BIG PINK TEXAS SAGE



- (B) IRIS DOUGLASIANA
- DOUGLAS IRIS

PLANTING PLAN

- LEVEL 1



BIOSWALE PLANTING

TREES



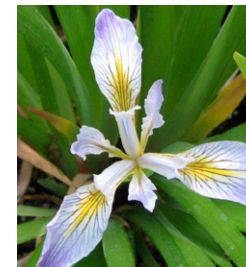
Ⓓ SALIX INTEGRA HAKURO NISHIKI
- DAPPLED WILLOW

SHRUBS



Ⓔ JUNCUS CARMANS JAPAN
- CARMANS SACRED JAPANESE RUSH

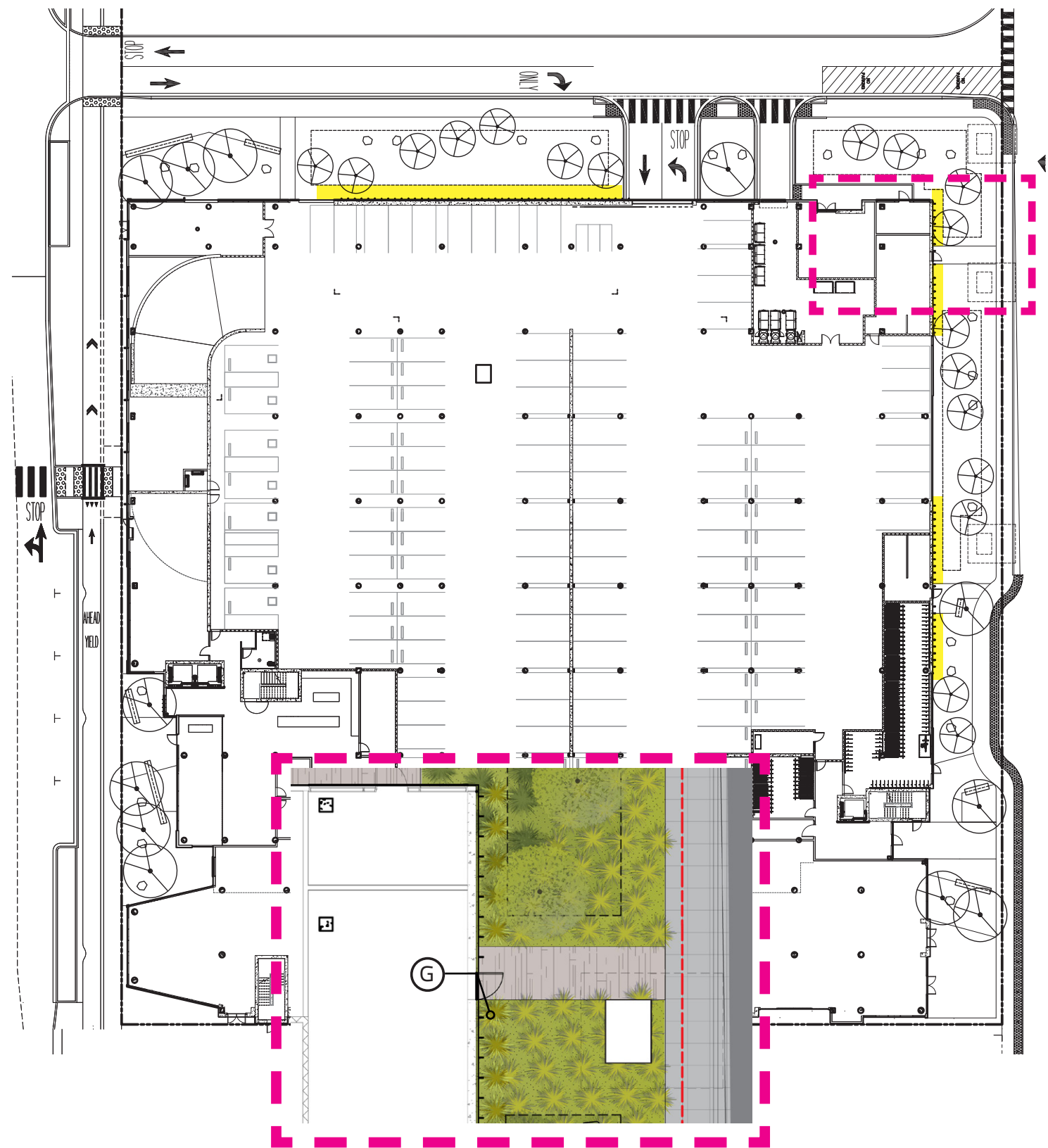
Ⓕ JUNCUS PALLIDUS
- PALE RUSH



Ⓔ IRIS DOUGLASIANA
- DOUGLAS IRIS

Ⓕ ACHILLEA MILLIFOLIUM SALMON BEAUTY
- SALMON YARROW

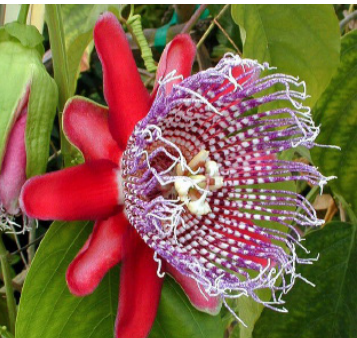
PLANTING PLAN
- LEVEL 1



VINE PLANTING
VINES

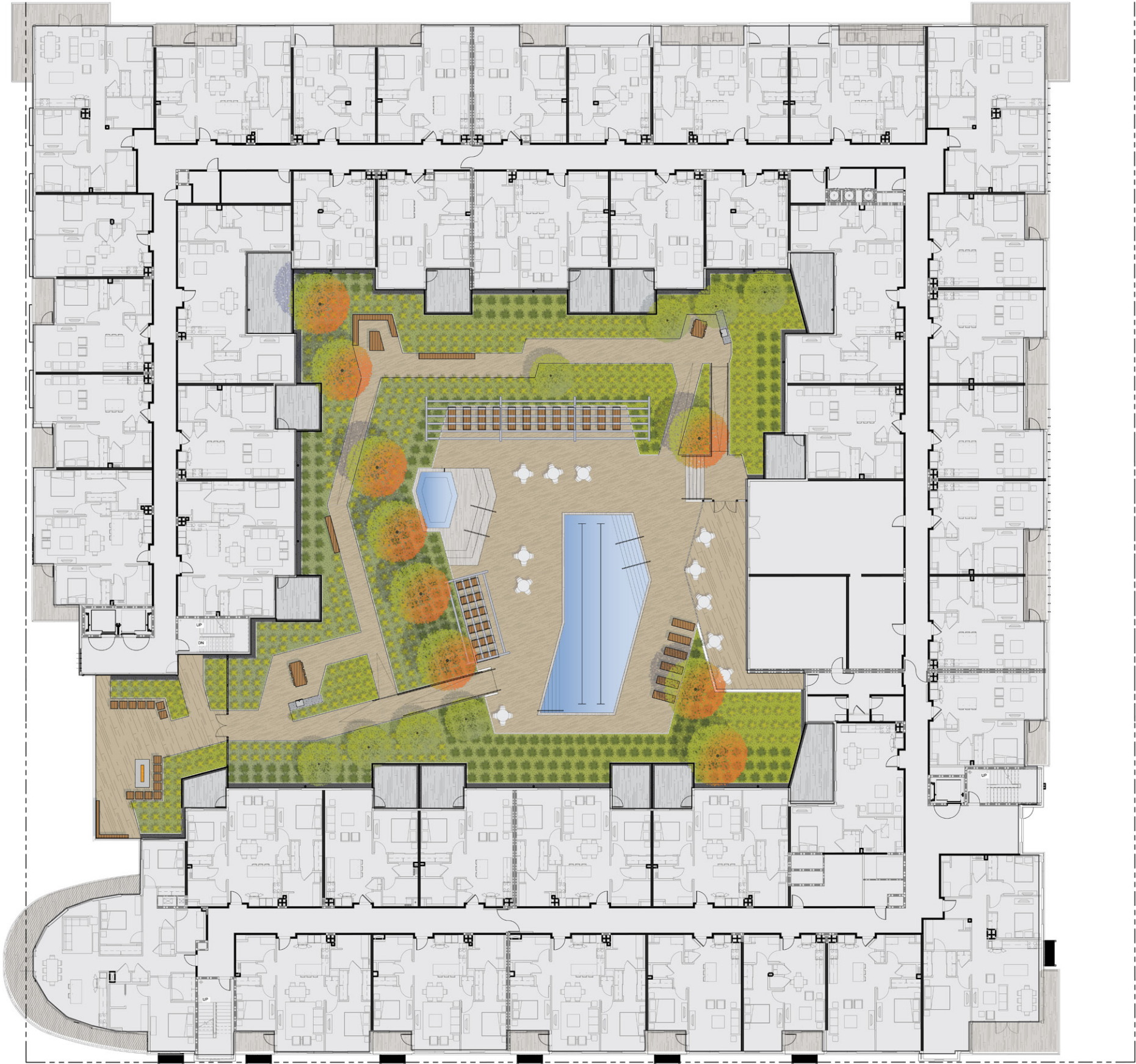


Ⓒ CLEMATIS ARMANDII
- EVERGREEN CLEMATIS

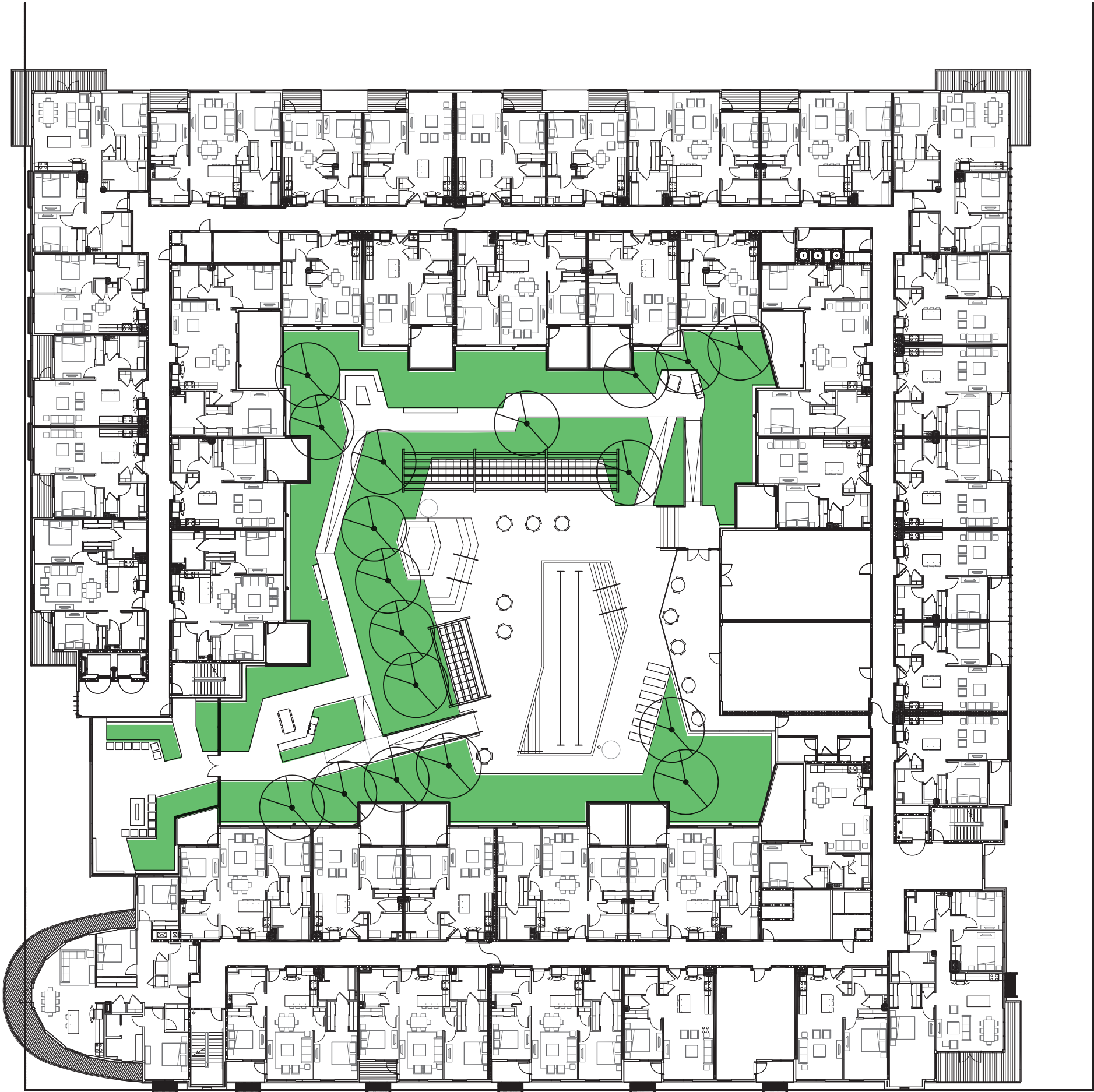


Ⓒ PASSIFLORA PURPLE TIGER
- PURPLE TIGER PASSION VINE

SITE PLAN
- LEVEL 3



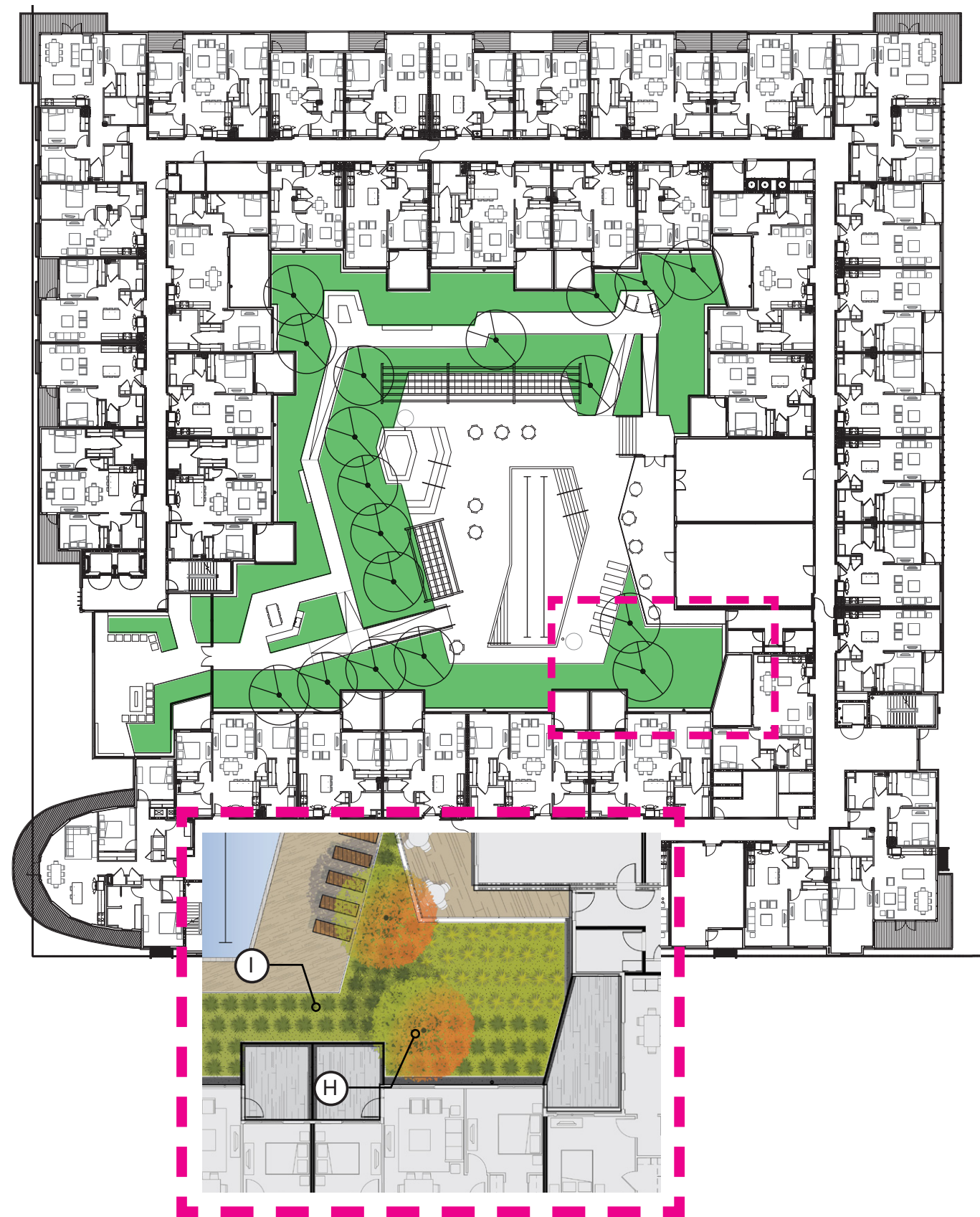
PLANTING PLAN
- LEVEL 3



TYPICAL PLANTING AREA

PLANTING PLAN

- LEVEL 3



TYPICAL LEVEL 3 PLANTING AREA

TREES



① GEIJERA PARVIFOLIA
- AUSTRALIAN WILLOW

SHRUBS



① ASPARAGUS RETROFRACTUS
- MING FERN



① SALVIA ALLEN CHICKERING
- ALLEN CHICKERING SAGE



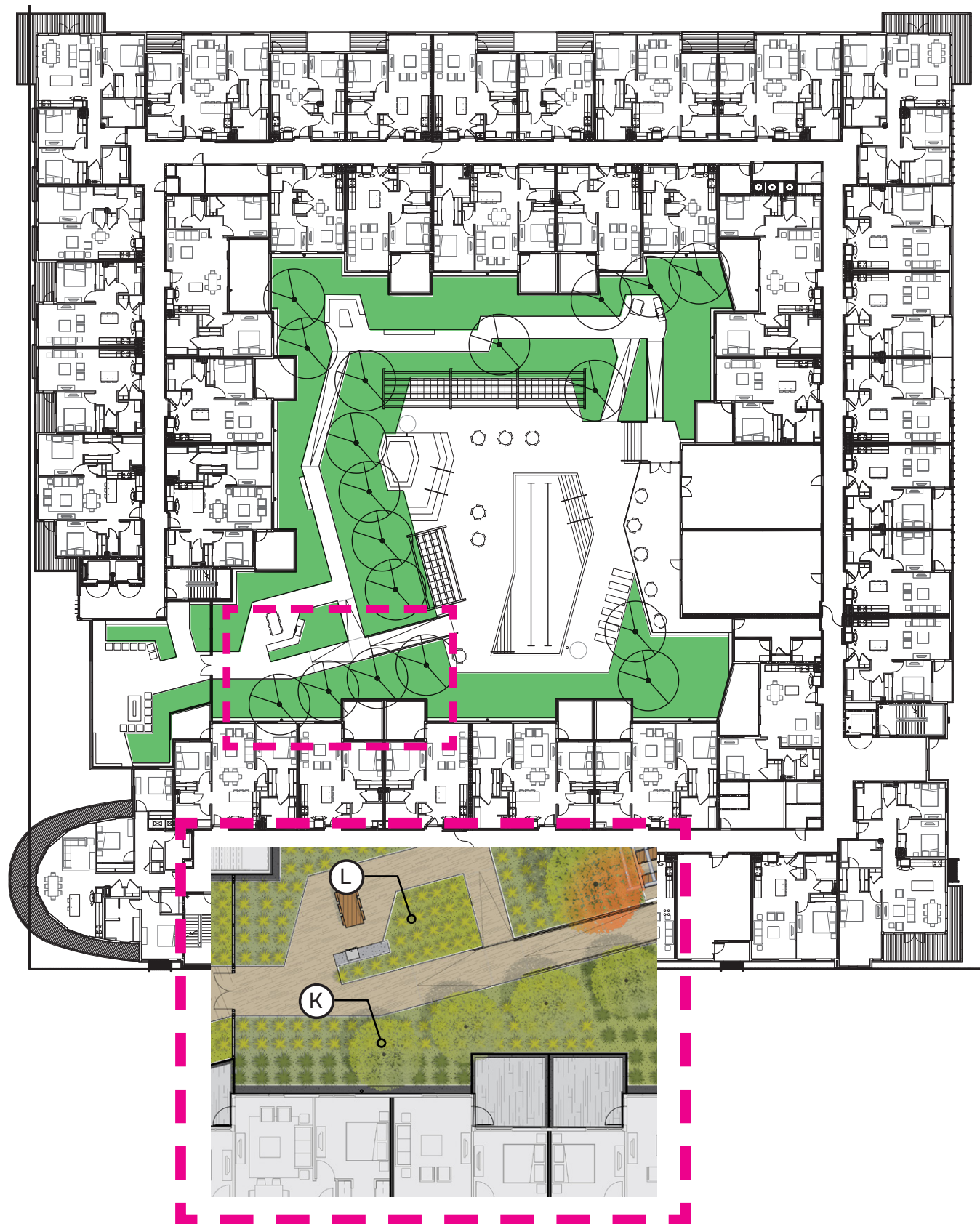
① IRIS DOUGLASIANA
- DOUGLAS IRIS



① LEUCADENDRON HAWAII MAGIC
- ROYAL HAWAIIAN CONE BUSH

PLANTING PLAN

- LEVEL 3



TYPICAL LEVEL 3 PLANTING AREA

TREES



(K)

CORDYLINE INDIVISA
- MOUNTAIN CABBAGE TREE

SHRUBS



(L)

DIANELLA REVOLUTA LITTLE REV
- LITTLE REV FLAX LILY

(L)

LOMANDRA NYALLA
- LOMANDRA MAT RUSH



(L)

LOMANDRA LIME TUFF
- DRARF MAT RUSH

(L)

DIANELLA REVOLUTA BABY BLISS
- BABY BLISS FLAX LILYV

IRRIGATION NOTES

1. THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS MAY BE SHOWN WITHIN PAVED AREAS FOR GRAPHIC CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, CONDUIT, AND OTHER ITEMS WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISHED CONDITION AFFECTING THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES. IN THE EVENT OF FIELD DISCREPANCY WITH CONTRACT DOCUMENTS, PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND ACCORDING TO THE CONTRACT SPECIFICATIONS. NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS.

2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE, THE UNIFORM PLUMBING CODE, PUBLISHED BY THE WESTERN PLUMBING OFFICIALS ASSOCIATION; AND OTHER STATE OR LOCAL LAWS OR REGULATIONS. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR REGULATIONS. THE CONTRACTOR SHALL FURNISH WITHOUT ANY EXTRA CHARGE, ANY ADDITIONAL MATERIAL AND LABOR WHEN REQUIRED BY THE COMPLIANCE WITH THESE CODES AND REGULATIONS.

3. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LAYOUT AND INSTALLATION OF THE PLANT MATERIALS TO INSURE THAT THERE WILL BE COMPLETE AND UNIFORM IRRIGATION COVERAGE OF PLANTING IN ACCORDANCE WITH THESE DRAWINGS, AND CONTRACT DOCUMENTS. THE IRRIGATION LAYOUT SHALL BE CHECKED BY THE CONTRACTOR AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONSTRUCTION TO DETERMINE IF ANY CHANGES, DELETIONS, OR ADDITIONS ARE REQUIRED. IRRIGATION SYSTEM SHALL BE INSTALLED AND TESTED PRIOR TO INSTALLATION OF PLANT MATERIAL.

4. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH.
5. IT IS THE RESPONSIBILITY OF THE MAINTENANCE CONTRACTOR AND/OR OWNER TO PROGRAM THE IRRIGATION CONTROLLER(S) TO PROVIDE THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT MATERIAL, WATER REQUIREMENTS, MOUNDS, SLOPES, SUN, SHADE AND WIND EXPOSURE.

6. IT IS THE RESPONSIBILITY OF A LICENSED ELECTRICAL CONTRACTOR TO PROVIDE 120 VOLT A.C. (2.5 AMP DEMAND PER CONTROLLER) ELECTRICAL SERVICE TO THE CONTROLLER LOCATION(S). IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO COORDINATE THE ELECTRICAL SERVICE STUB-OUT TO THE CONTROLLER(S). PROVIDE PROPER GROUNDING PER CONTROLLER MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH LOCAL CODES.

7. SCHEDULE A MEETING WHICH INCLUDES REPRESENTATIVES OF THE IRRIGATION CONTROLLER MANUFACTURER, THE MAINTENANCE CONTRACTOR, THE OWNER AND THE IRRIGATION CONTRACTOR AT THE SITE FOR INSTRUCTION ON THE PROPER PROGRAMMING AND OPERATION OF THE IRRIGATION CONTROLLER.

8. INSTALL 3" DETECTABLE TAPE ABOVE ALL PRESSURIZED MAIN LINES AS DETAILED. USE CHRISTY MODEL #TA-DT-3-BIRR FOR POTABLE IRRIGATION SYSTEMS OR #TA-DT-3-PRW FOR RECYCLED IRRIGATION WATER SYSTEMS.

9. INSTALL 2-WIRE CABLE ALONG THE MAIN LINE. CONTACT CONTROLLER REPRESENTATIVE FOR A PRE-CONSTRUCTION MEETING.

10. INSTALL 2-WIRE CABLE WITHIN 1.25" CONDUIT WITH LONG SWEEPS IN AND OUT OF EACH VALVE BOX. SEAL ALL CONDUIT OPENINGS WITH WATERPROOF FOAM.

11. INSTALL A 14"x19" GREY ELECTRICAL PULL BOX EVERY 200' AND AT EVERY CHANGE IN DIRECTION. ONLY SPLICE TWO WIRE CABLE AT THREE WAY WIRE CONNECTIONS.

12. IRRIGATION CONTROL WIRES: SOLID COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND. SIZE #14AWG WIRE WITH A JACKETED 2-CONDUCTOR. PREFERRED WIRE MAKE AND MODEL IS THE PAIGE IRRIGATION WIRE, SPEC P7072D (WEATHERTRAK). ALL SPLICING SHALL BE MADE WITH 3-M DBR/Y-6 OR WATERPROOF SPLICE KIT.
13. DECODER GROUNDING SHALL BE PROVIDED EVERY (500 FEET OR EVERY 8 DECODERS, WHICHEVER IS SMALLER AT THE CONTROLLER AND AT THE LAST DECODER OR AT THE END OF THE 2 WIRE PATH. GROUND WITH A 5/8" X 8' COPPER CLAD GROUNDING ROD. #6 COPPER WIRE TO SURGE DEVICE/DECODER. INCLUDE A SURGE ARRESTOR AT EACH GROUNDING LOCATION. A SPLIT BOLT CONNECTION TO BE USED TO CONNECT THE SURGE DEVICE TO THE GROUND WIRE WITH A DBR/Y-6 OR WATERPROOF CONNECTOR.

14. SPLICING OF JACKETED 2-WIRE IS PERMITTED IN VALVE BOXES ONLY. LEAVE A 24" LONG COIL OF WIRE AT EACH SPLICE AND A 24" LONG EXPANSION LOOP IN ALL PULL BOXES.

15. INSTALL BLACK PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKED "IRRIGATION". BOX BODY SHALL HAVE KNOCK OUTS. ACCEPTABLE VALVE BOX MANUFACTURER'S INCLUDE NOS, CARSON OR APPROVED EQUAL.

16. INSTALL REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, INSTALL EACH BOX AN EQUAL DISTANCE FROM THE WALK, CURB, BUILDING OR LANDSCAPE FEATURE AND PROVIDE 12" BETWEEN BOX TOPS. ALIGN THE SHORT SIDE OF THE RECTANGULAR VALVE BOXES PARALLEL TO WALK, CURB, BUILDING OR LANDSCAPE FEATURE.

17. VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS

18. THE CONTRACTOR SHALL LABEL CONTROL LINE WIRE AT EACH REMOTE CONTROL VALVE WITH A 2 1/4" X 2 3/4" POLYURETHANE I.D. TAG, INDICATING IDENTIFICATION NUMBER OF VALVE (CONTROLLER AND STATION NUMBER). ATTACH LABEL TO CONTROL WIRE. THE CONTRACTOR SHALL PERMANENTLY STAMP ALL VALVE BOX LIDS WITH APPROPRIATE IDENTIFICATION AS NOTED IN CONSTRUCTION DETAILS.

19. INSTALL A GATE VALVE TO ISOLATE EACH REMOTE CONTROL VALVE OR GROUP OF RCV'S LOCATED TOGETHER. GATE VALVE SIZE SHALL BE SAME AS THE LARGEST REMOTE CONTROL VALVE IN MANIFOLD.

20. FLUSH AND ADJUST IRRIGATION OUTLETS AND NOZZLES FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY. ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. SELECT THE BEST DEGREE OF THE ARC AND RADIUS TO FIT THE EXISTING SITE CONDITIONS AND THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH CONTROL ZONE.

21. SET SPRINKLER HEADS PERPENDICULAR TO FINISH GRADE.
22. LOCATE BUBBLERS ON UPHILL SIDE OF PLANT OR TREE.

23. INSTALL A HUNTER HCV SERIES, KBI CV SERIES, OR APPROVED EQUAL SPRING LOADED CHECK VALVE IN SPRINKLER RISER ASSEMBLIES WHERE LOW OUTLET DRAINAGE WILL CAUSE EROSION AND/OR EXCESS WATER.

24. WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, USE CAUTION TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATE BY HAND IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR. BACK FILL TRENCHES ADJACENT TO TREE WITHIN TWENTY-FOUR (24) HOURS. WHERE THIS IS NOT POSSIBLE, SHADE THE SIDE OF THE TRENCH ADJACENT TO THE TREE WITH WET BURLAP OR CANVAS.

25. NOTIFY LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.

26. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.

27. IRRIGATION DEMAND: REFER TO PLANS.

28. PIPE SIZING SHOWN ON THE DRAWINGS IS TYPICAL AS CHANGES IN LAYOUT OCCUR DURING STAKING AND CONSTRUCTION THE SIZE MAY NEED TO BE ADJUSTED ACCORDINGLY.

29. PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL #5.

30. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR CHANGES IN THE IRRIGATION LAYOUT DUE TO OBSTRUCTIONS NOT SHOWN ON THE IRRIGATION DRAWINGS SUCH AS LIGHTS, FIRE HYDRANTS, SIGNS, ELECTRICAL ENCLOSURES, ETC.

31. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CHANGES IN THE IRRIGATION LAYOUT AND VALVE ZONING DUE TO VARIATIONS IN THE EXISTING SITE CONDITIONS SUCH AS EXPOSURE FROM BUILDINGS, TRELLISES, TREES, ETC., AS WELL AS SLOPE AND SOIL CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT OF THE PROPOSED CHANGES PRIOR TO INSTALLATION FOR APPROVAL.
32. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE IRRIGATION SYSTEM DESIGN IF THE PLANTING DESIGN CHANGES FROM THE ORIGINAL PLAN AND NEEDS TO ADAPT TO THE NEW PLANTING DESIGN. THE LANDSCAPE CONTRACTOR NEEDS TO NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT OF PROPOSED CHANGES PRIOR TO INSTALLATION FOR APPROVAL.

33. WHEN WORK OF THIS SECTION HAS BEEN COMPLETED AND SUCH OTHER TIMES AS MAY BE DIRECTED, REMOVE ALL TRASH, DEBRIS, SURPLUS MATERIALS AND EQUIPMENT FROM SITE.

34. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLEMENTAL HAND WATERING OF ALL PLANT MATERIAL WITHIN DRIPLINE AREAS UNTIL THE PLANTS ARE SUFFICIENTLY ESTABLISHED.

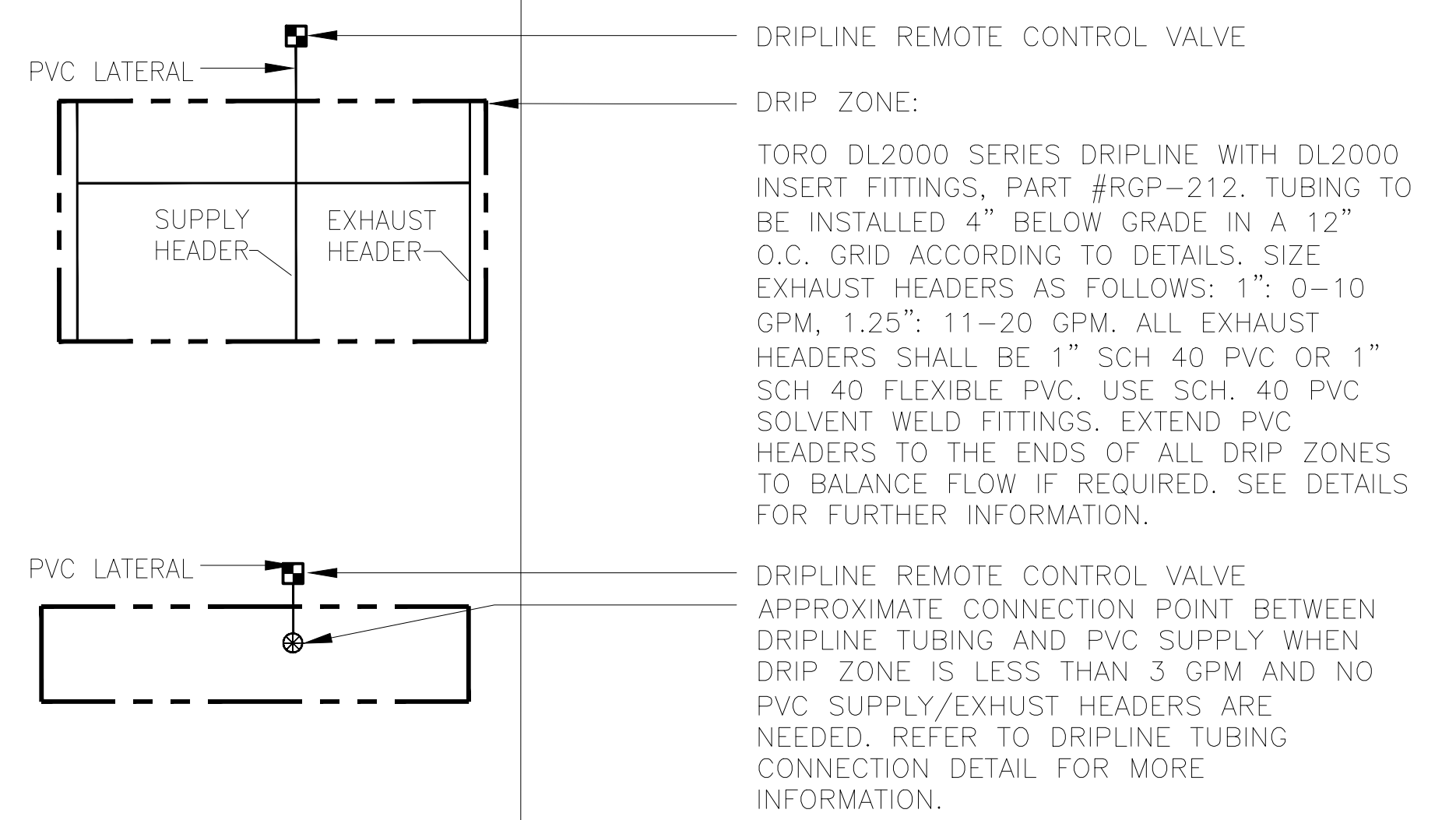
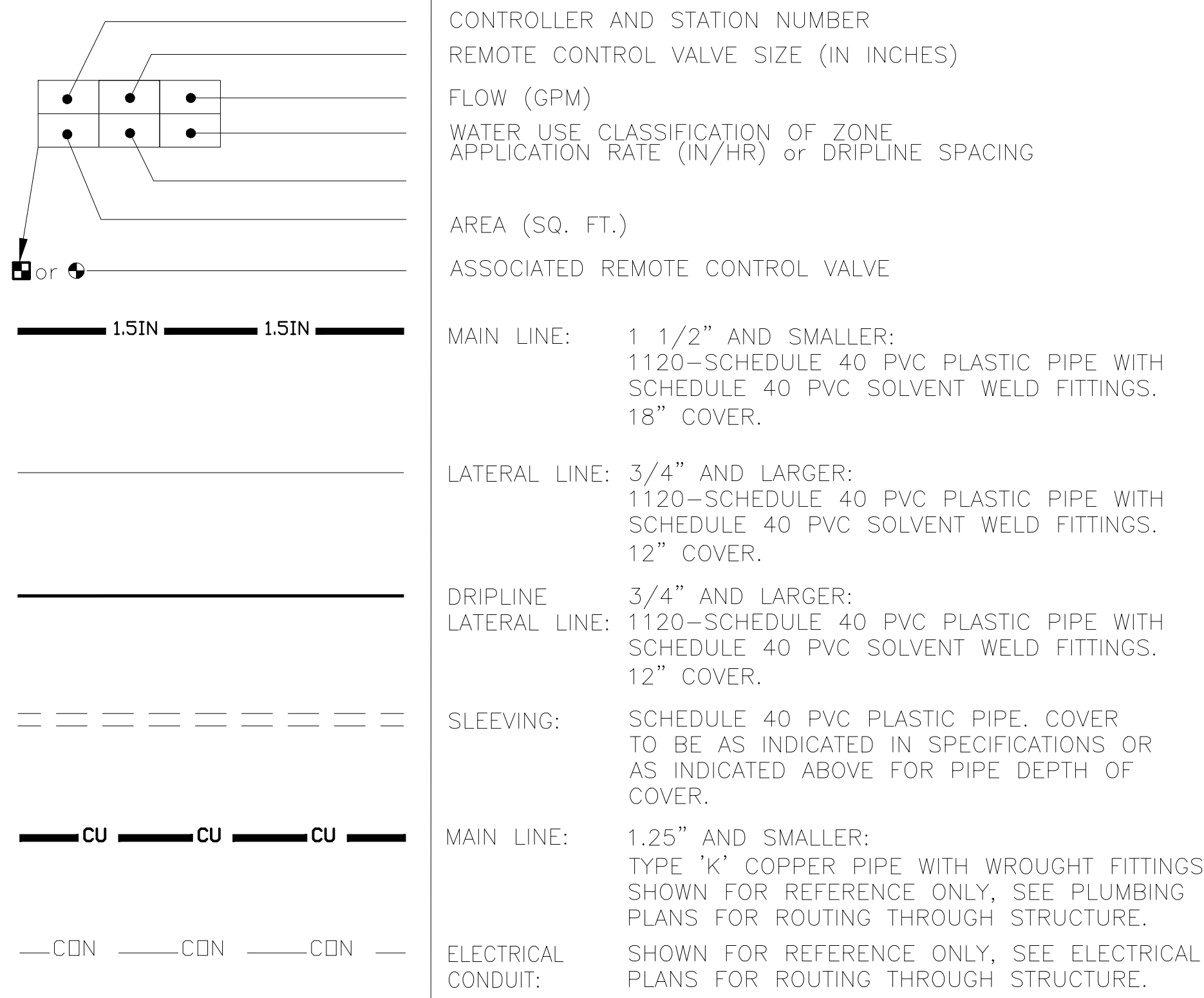
35. VERIFY LOCATIONS OF ALL IRRIGATION COMPONENTS INSTALLED WITHIN A VALVE BOX WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL UNTIL LANDSCAPE ARCHITECT PROVIDES ACCEPTABLE LOCATIONS.

IRRIGATION COORDINATION NOTES

1. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL A LOCALLY APPROVED BACKFLOW PREVENTION DEVICE TO PROTECT ALL IRRIGATION STUB-OUTS.
2. COPPER PIPING WITHIN STRUCTURE SHALL BE PROVIDED, ROUTED, AND INSTALLED BY PLUMBING CONTRACTOR. EXIT OF PIPE TO PLANTER SHALL BE 8" BELOW FINISH GRADE.
3. IRRIGATION SLEEVING AND/OR CONDUIT IN STRUCTURE TO BE PROVIDED AND INSTALLED UNDER STRUCTURAL WORK.

IRRIGATION LEGEND

SYMBOL	MODEL NUMBER	DESCRIPTION	NOZZLE GPM	OPERATING PSI	OPERATING RADIUS (FEET)
▽ ▽	PROS-12-PRS40-CV/MP1000-90	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	0.37,0.19	40	12-14
▼	PROS-12-PRS30-CV/MP1000-360	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	0.65	30	10-12
▼ ▼	PROS-12-PRS30-CV/MP1000-90	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	0.32,0.16	30	10-12
■	DB-15-PC-CV	TORO BUBBLER, MIN. 2' PER TREE. REFER TO BUBBLER DETAIL FOR QUANTITY OF BUBBLERS PER TREE SIZE.	0.25	30	TRICKLE
➡	T-YD-500-34	TORO DRIPLINE AIR RELIEF VALVE			
● +	WLT-0500-T	NDS SCH 40 BALL VALVE OR APPROVED EQUAL			
●	ECO-ID	HUNTER DRIP SYSTEM INDICATOR			
⚡	P-220-26 SERIES	TORO REMOTE CONTROL VALVE			
■	DZK-700-MF	TORO DRIP ZONE KIT WITH IRRITROL 700 SERIES REMOTE CONTROL VALVE, PRESSURE REGULATOR (40 PSI) AND A 1" FILTER			
—	WT2W-SVD-11	WEATHERTRAK DECODER (1 PER VALVE)			
➡	33-DRC	RAIN BIRD 3/4" TWO-PIECE QUICK COUPLING VALVE (YELLOW LOCKING RUBBER COVER)			
✂	LGT-XX-SS	LEEMCO STAINLESS STEEL GATE VALVE (LINE SIZE)-2.5" AND SMALLER			
⊠	975XLSEU-1.5"	WILKINS REDUCED PRESSURE BACKFLOW ASSEMBLY			
Ⓜ	WT-MV-100G-SNO	WeatherTRAK 1.5" BRASS MASTER VALVE (NORMALLY OPEN)			
Ⓢ	WT-FS-100-CST	WeatherTRAK 1" FLOW SENSOR (1-40 GPM)			
⊗	—	IRRIGATION POINT OF CONNECTION TO COPPER PIPE AND ELECTRICAL CONDUIT FOR COMMUNICATION WIRES ROUTED THROUGH THE BUILDING AND STUBBED OUT INTO PLANTERS. WHEN SHOWN, WORK TO BE BY ELECTRICAL AND PLUMBING CONTRACTORS.			
Ⓒ	WTPRO3-C-2W48-SWM	WeatherTRAK ET PRO3 2-WIRE 48 STATION CONTROLLER IN A STAINLESS STEEL WALL MOUNTED ENCLOSURE.			
—	CIMXL-SYA	5 YEAR EXTENSION OF WeatherTRAK Central.			
—	NOT SHOWN ON PLANS	ROUTE TWO WIRE CABLE TO ALL REMOTE CONTROL VALVES. SIZE #14AWG WIRE WITH A JACKETED 2-CONDUCTOR. PREFERRED WIRE MAKE AND MODEL IS PAIGE ELECTRIC WIRE P7072D. ALL SPLICING SHALL BE MADE WITH 3-M DBR/Y-6 WATERPROOF SPLICE KITS OR APPROVED EQUAL. INSTALL 2 WIRE CABLE WITHIN 1.25" SCH 40 ELECTRICAL CONDUIT. PULL BOXES SHALL BE LOCATED EVERY 200' NO SPLICES ARE ALLOWED BETWEEN VALVES. REFER TO DETAIL FOR INSTALLATION INSTRUCTIONS.			



WATER USE ESTIMATION & IRRIGATION SCHEDULE - ALAMEDA POINT, ALAMEDA CA

WATER TYPE		POTABLE	"Nearest City to project with published ET data"																								
CITY		Oakland																									
ETO		41.8																									
DATE		11/21/2019																									
REGULAR LANDSCAPE AREAS																											
STATION/HYDROZONE	GPM	AREA (sq.ft) (HA)	WATER USE TYPE (LW=LOW, MW=MOD, HW=HIGH)	PLANT TYPE	IRRIGATION TYPE	PLANT FACTOR (PF)	IRRIGATION EFFICIENCY (IE)	PRECIP. RATE/ APPLICATION RATE (IN/HR)	ETAF (PF/IE)	CYCLES PER DAY	DAYS PER WEEK	JAN	FEB	MAR	APR	MAY	JUNE			JULY	AUG	SEP	OCT	NOV	DEC	ETWU (GALLONS PER YEAR)	PERCENTAGE OF LANDSCAPE
												MONTHLY ETO															
												1.5	1.5	2.8	3.9	5.1	5.3	6.0	5.5	4.8	3.1	1.4	0.9				
TOTAL RUN TIME IN MINUTES PER DAY																											
C-1	6	929	LW	BIOSWALE LW	SPRAY	0.2	0.75	1	0.3	2	2	0.0	0.0	6.0	8.0	10.0	10.0	11.0	10.0	9.0	6.0	3.0	0.0	6,420	5%		
C-2	10	1123	MW	SHRUB GC LW	DRIPLINE12"	0.4	0.81	0.9	0.5	2	2	0.0	0.0	11.0	15.0	19.0	20.0	23.0	21.0	18.0	12.0	6.0	0.0	14,372	6%		
C-3	10	1024	MW	SHRUB GC LW	DRIPLINE12"	0.4	0.81	0.9	0.5	2	2	0.0	0.0	11.0	15.0	19.0	20.0	23.0	21.0	18.0	12.0	6.0	0.0	13,105	5%		
C-4	4	250	HW	TREE HW	BUBBLER	0.7	0.81	0.85	0.9	2	3	0.0	0.0	13.0	18.0	24.0	25.0	28.0	26.0	23.0	15.0	7.0	0.0	5,599	1%		
C-5	8	784	MW	SHRUB GC MW	DRIPLINE12"	0.4	0.81	0.9	0.5	2	3	0.0	0.0	7.0	10.0	13.0	14.0	15.0	14.0	12.0	8.0	4.0	0.0	10,034	4%		
C-6	4	350	HW	TREE HW	BUBBLER	0.7	0.81	0.85	0.9	2	3	0.0	0.0	13.0	18.0	24.0	25.0	28.0	26.0	23.0	15.0	7.0	0.0	7,839	2%		
C-7	7	994	LW	BIOSWALE LW	SPRAY	0.2	0.75	1	0.3	2	2	0.0	0.0	6.0	8.0	10.0	10.0	11.0	10.0	9.0	6.0	3.0	0.0	6,869	5%		
C-8	2	100	HW	TREE HW	BUBBLER	0.7	0.81	0.85	0.9	2	3	0.0	0.0	13.0	18.0	24.0	25.0	28.0	26.0	23.0	15.0	7.0	0.0	2,240	0%		
C-9	5	525	MW	SHRUB GC MW	DRIPLINE12"	0.4	0.81	0.9	0.5	2	3	0.0	0.0	7.0	10.0	13.0	14.0	15.0	14.0	12.0	8.0	4.0	0.0	6,719	3%		
C-10	8	835	LW	BIOSWALE HW	SPRAY	0.2	0.75	1	0.3	2	4	0.0	0.0	3.0	4.0	5.0	5.0	6.0	5.0	3.0	2.0	0.0	5,771	4%			
C-11	6	836	LW	BIOSWALE HW	SPRAY	0.2	0.75	1	0.3	2	4	0.0	0.0	3.0	4.0	5.0	5.0	6.0	5.0	3.0	2.0	0.0	5,778	4%			
C-12	3	300	HW	TREE HW	BUBBLER	0.7	0.81	0.85	0.9	2	3	0.0	0.0	13.0	18.0	24.0	25.0	28.0	26.0	23.0	15.0	7.0	0.0	6,719	3%		
C-13	10	1110	MW	SHRUB GC MW	DRIPLINE12"	0.4	0.81	0.9	0.5	2	3	0.0	0.0	7.0	10.0	13.0	14.0	15.0	14.0	12.0	8.0	4.0	0.0	14,206	6%		
C-14	2	150	HW	TREE HW	BUBBLER	0.7	0.81	0.85	0.9	2	3	0.0	0.0	13.0	18.0	24.0	25.0	28.0	26.0	23.0	15.0	7.0	0.0	3,359	1%		
C-15	9	914	MW	SHRUB GC MW	DRIPLINE12"	0.4	0.81	0.9	0.5	2	3	0.0	0.0	7.0	10.0	13.0	14.0	15.0	14.0	12.0	8.0	4.0	0.0	11,697	5%		
C-16	9	941	MW	SHRUB GC MW	DRIPLINE12"	0.4	0.81	0.9	0.5	2	3	0.0	0.0	7.0	10.0	13.0	14.0	15.0	14.0	12.0	8.0	4.0	0.0	12,043	5%		
C-17	2	200	HW	TREE HW	BUBBLER	0.7	0.81	0.85	0.9	2	3	0.0	0.0	13.0	18.0	24.0	25.0	28.0	26.0	23.0	15.0	7.0	0.0	4,479	1%		
C-25	6	541	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	3,462	3%		
C-26	5	423	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	2,707	2%		
C-27	7	746	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	4,774	4%		
C-28	9	550	LW	TREE LW	BUBBLER	0.2	0.81	0.85	0.2	2	2	0.0	0.0	6.0	8.0	11.0	11.0	12.0	11.0	10.0	7.0	3.0	0.0	3,519	3%		
C-29	8	785	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	5,023	4%		
C-30	6	617	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	3,948	3%		
C-31	8	839	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	5,369	4%		
C-32	7	750	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	5,401	4%		
C-33	7	753	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	4,799	4%		
C-34	4	250	LW	TREE LW	BUBBLER																						
C-35	10	1041	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	6,661	5%		
C-36	5	554	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	3,545	3%		
C-37	8	844	LW	SHRUB GC LW	DRIPLINE12"	0.2	0.81	0.9	0.2	2	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	3.0	0.0	5,401	4%		
TOTAL		20,058																							TOTAL	186,468	95%



FLETCHER STUDIO