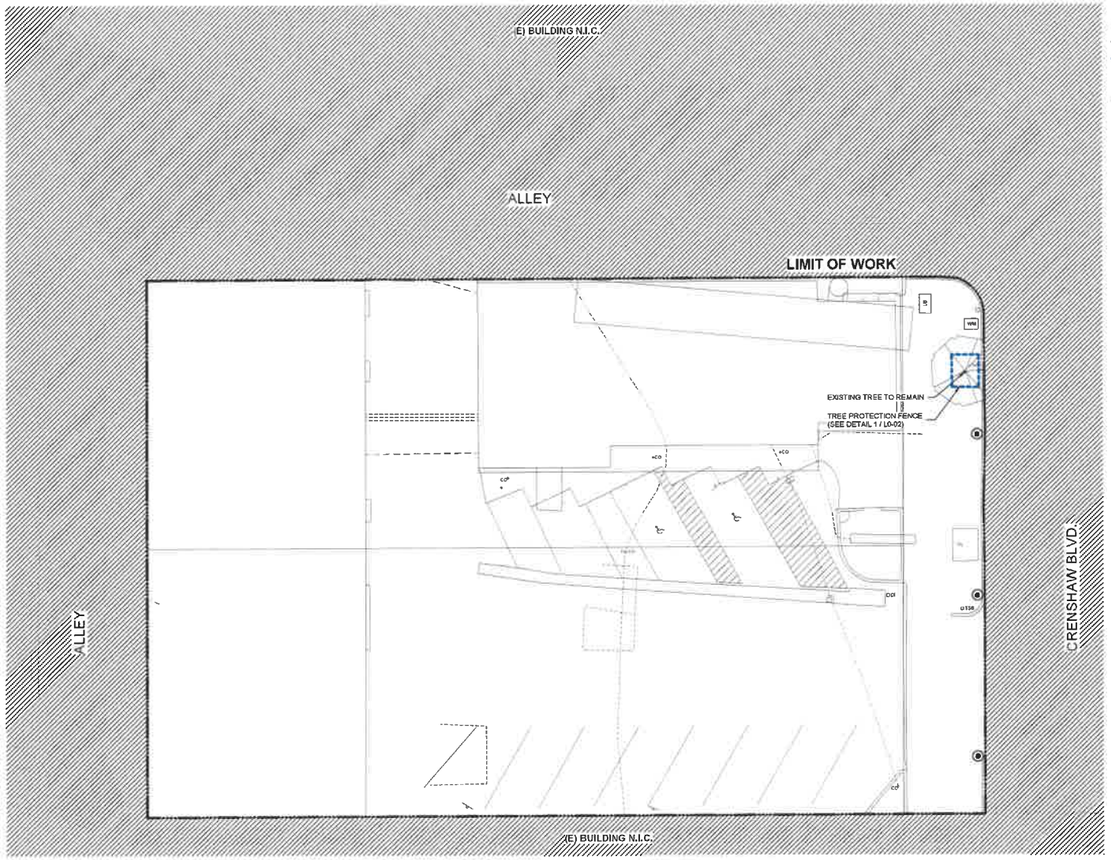


GENERAL LEGEND

LIMIT OF WORK

TREE PROTECTION FENCE (SEE DETAIL 1 / L0-02)

EXISTING TREE LEGEND

EXISTING TREE TO REMAIN

TREE REQUIREMENTS (PER 22.126.030)

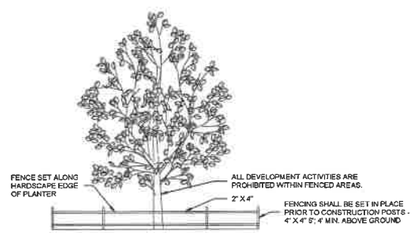
THREE (3) TREES REQUIRED FOR EVERY 10,000 SQ. FT. OF DEVELOPED LOT AREA

TOTAL DEVELOPED LOT AREA: 14,000 SQ. FT. (0.321 ACRES)

REQUIRED NUMBER OF TREES: 5

PROPOSED NUMBER OF TREES: 4 (SEE SHEET L3-00)

TREES TO REMAIN (>0.76" DBH): 1



NOTES:
1. FENCING SHALL BE AT LEAST 4' ABOVE GROUND AND MIN. OF 2' BELOW GRADE.
2. EACH TREE PROTECTION AREA SHALL HAVE A MINIMUM OF TWO SIGNS ATTACHED TO THE FENCE WHICH SHALL FACE TO THE EXTERIOR OF THE TREE PROTECTION AREA.

1 TREE PROTECTION DETAIL
NOT TO SCALE

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Renewal Date
Date
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THESE CAD DOCUMENTS HAVE BEEN CREATED FROM ORIGINAL ARCHITECTURAL PLANS PROVIDED BY THE OWNER. CONTRACTOR / SUBCONTRACT SHALL FIELD VERIFY ALL CONDITION PRIOR TO COMMENCEMENT OF ANY SPECIFIED WORK. ANY DISCREPANCIES THAT MAY IMPACT DESIGN SHALL BE BROUGHT TO ARCHITECTS ATTENTION.

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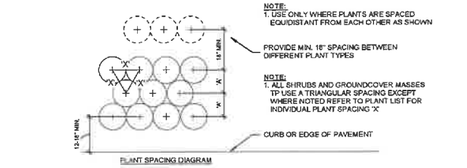
PRIMARY CARE, DENTAL AND BEHAVIORAL HEALTH CENTER

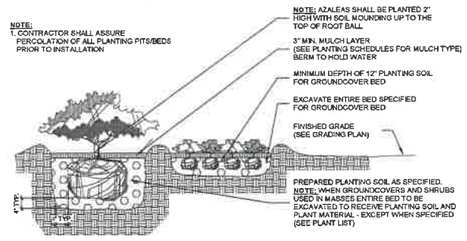
EXISTING CONDITIONS / TREE PRESERVATION PLAN

L0-02

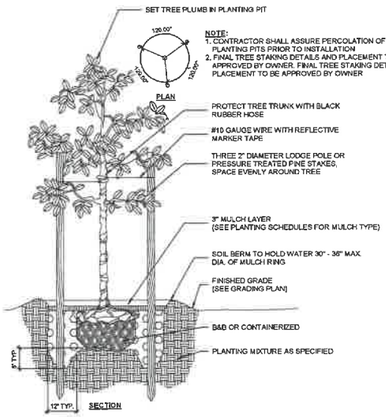
SCALE: 1"= 10'
0 5' 10' 15' 25'

10/28/2024 3:58:19 PM
Author

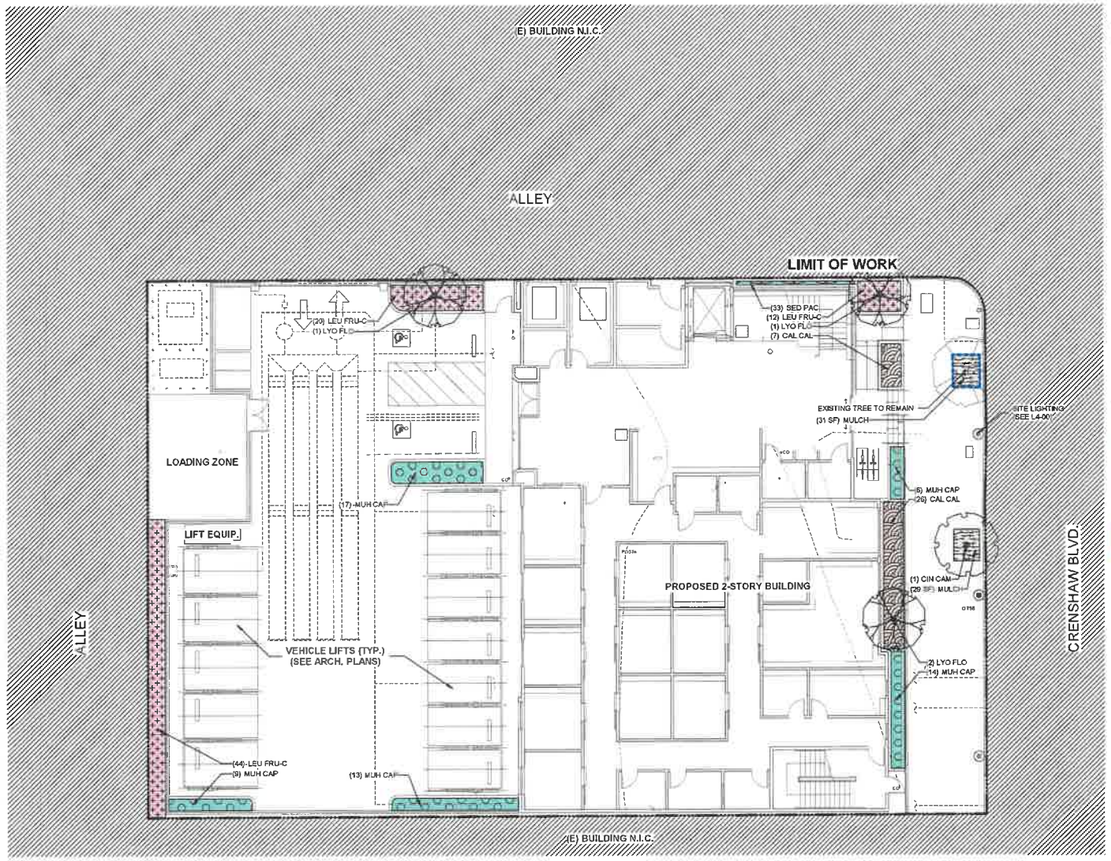




1 SHRUB / GROUNDCOVER PLANTING DETAIL
1" = 1'-0"



2 SMALL TREE PLANTING DETAIL
1" = 1'-0"



GENERAL LEGEND

LIMIT OF WORK

TREE PROTECTION FENCE (SEE DETAIL 1 / L3-02)

TREE LEGEND

PROPOSED ACCENT TREE

CIN CAM
CINNAMOMUM CAMPHORA
CAMPHOR TREE

PROPOSED UNIFYING CORRIDOR TREE

LYO FLO
LYONOTHAMNUS FLORIBUNDUS
CATALINA IRONWOOD

EXISTING TREES

EXISTING TREE TO REMAIN

SHRUB LEGEND

MEDIUM SHRUBS

CAL CAL
CALLIANDRA CALIFORNICA
BAJA FAIRY DUSTER

LEU FRU-C
LEUCOPHYLLUM FRUTESCENS 'COMPACTA'
DWARF TEXAS RANGER

SUCCULENTS

SED PAC
SEDUM PACHYPHYLLUM
JELLY BEAN SEDUM

ORNAMENTAL GRASSES

MUH CAP
MUHLENBERGIA CAPILLARIS
PINK MUHLY GRASS

MULCH & GRAVEL

MULCH
SHREDDED HARDWOOD MULCH

CODE MIN. TREE PLANTING SCHEDULE

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE / ROOT BALL / CONTAINER	CALIPER	COMMENTS	WUCOLS
UNIFYING CORRIDOR TREE							
LYO FLO	3	LYONOTHAMNUS FLORIBUNDUS	CATALINA IRONWOOD	10' HGT. MIN. X 6' SPD. MIN. / 30 GAL. CONT. MIN.	2" CAL. MIN.	FULL PLANT / SEE DETAILS	LOW (0.1-0.3)
ACCENT TREE							
CIN CAM	1	CINNAMOMUM CAMPHORA	CAMPHOR TREE	10' HGT. MIN. X 6' SPD. MIN. / 30 GAL. CONT. MIN.	2" CAL. MIN.	FULL PLANT / SEE DETAILS	MODERATE (0.4-0.6)

CODE MIN. SHRUB & GROUNDCOVER SCHEDULE

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE / ROOT BALL / CONTAINER	SPACING	COMMENTS	WUCOLS
MEDIUM SHRUBS							
CAL CAL	33	CALLIANDRA CALIFORNICA	BAJA FAIRY DUSTER	24" O.A. MIN. / 3 GAL. CONT. MIN.	24" O.C.	FULL PLANT / SEE DETAILS	VERY LOW (<0.1)
LEU FRU-C	75	LEUCOPHYLLUM FRUTESCENS 'COMPACTA'	DWARF TEXAS RANGER	24" O.A. MIN. / 3 GAL. CONT. MIN.	24" O.C.	FULL PLANT / SEE DETAILS	LOW (0.1-0.3)
SUCCULENTS							
SED PAC	33	SEDUM PACHYPHYLLUM	JELLY BEAN SEDUM	12" O.A. MIN. / 1 GAL. CONT. MIN.	8" O.C.	FULL PLANT / SEE DETAILS	LOW (0.1-0.3)
ORNAMENTAL GRASSES							
MUH CAP	56	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	18" O.A. MIN. / 1 GAL. CONT. MIN.	24" O.C.	FULL CLUMP / SEE DETAILS	MODERATE (0.4-0.6)
MULCH & GRAVEL							
MULCH	749	SHREDDED HARDWOOD MULCH	SHREDDED HARDWOOD MULCH	- N/A -	- N/A -	QUANTITY IN SQUARE FEET / MULCH TO BE INSTALLED 3" DEPTH / 1'-2" AROUND TREES AND EXISTING TREES / SEE DETAILS	

NOTES:
1. TREE SPECIES PER THE 2016 CRENSHAW BOULEVARD STREETSCAPE PLAN (4-14) (SEE TREE CHART BELOW)

Tree Chart[1]	I-10 Freeway to 39th Street	39th Street to Coliseum Street	Coliseum Street to South of 39th Street	Coliseum Park & 41st Place Subdivision to Stocker Street	Stocker Street to 46th Street	46th Street to 51st Street	51st Street/Crenshaw and 48th Place Middle to 54th Street to 59th Street
Camphor	A						
California Sycamore		D	A	D			
Catalina Ironwood	U	U	U	U	U	U	U
Coast Live Oak			D			D	
Desert Museum Palo Verde					D		D
Tipuana Tipu	D	A					

A = Accent Tree (to be placed in open spaces and plazas and in the right of way, as space permits)
D = District Tree
U = Unifying Corridor Tree
1. Alternate tree species may be identified as part of ongoing, Council Office-facilitated planning and public outreach associated with the Prop 1C infill infrastructure project and other concurrent projects.

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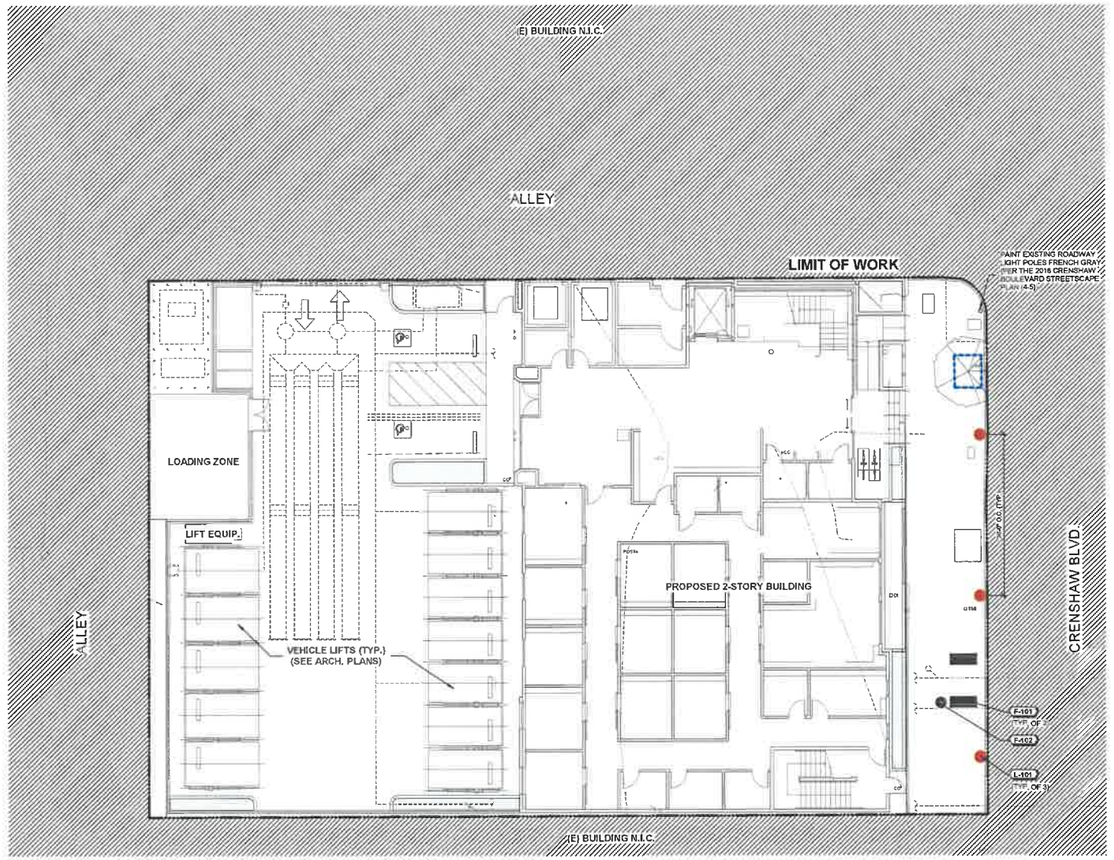
Los Angeles, CA 90016

PRIMARY CARE, DENTAL AND BEHAVIORAL HEALTH CENTER

LANDSCAPE PLAN, SCHEDULE, & NOTES

L3-00

SCALE: 1"=10'
0 5' 10' 15' 25'



GENERAL LEGEND

- LIMIT OF WORK
- TREE PROTECTION FENCE (SEE DETAIL 1 / LD-02)

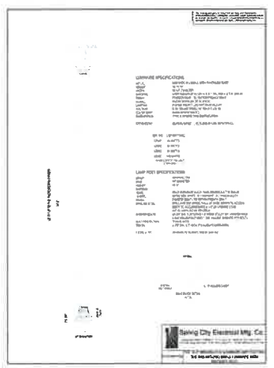
CODE MIN. SITE FURNISHING SCHEDULE

KEY	DETAIL	QUANTITY	TYPE	FINISH	DIMENSIONS	MODEL	MANUFACTURER	SAMPLE	LOCATION	REMARKS
F-101	1 / L4-00	2	BENCH	ALUMINUM	59" L X 26.5" D X 31" HT.	NEOCOMBO - 59" STYLE WITH CENTER ARMREST (OR APPROVED EQUAL)	LANDSCAPE FORMS WWW.LANDSCAPEFORMS.COM	YES	STREETSCAPE	OR APPROVED EQUAL / PRODUCT FOUND IN THE 2016 CRENSHAW BOULEVARD STREETSCAPE PLAN IS NO LONGER PRODUCED BY LANDSCAPE FORMS, EXCEPT FOR SPECIAL ORDER. SEE ALTERNATE SELECTION SHOWN IN DETAIL / SEE DETAILS
F-102	2 / L4-00	1	LITTER RECEPTACLE	POWDERCOATED METAL	24" DIA. X 39" HT.	CHASE PARK LITTER - SIDE OPEN	LANDSCAPE FORMS WWW.LANDSCAPEFORMS.COM	YES	STREETSCAPE	OR APPROVED EQUAL / SEE DETAILS

CODE MIN. SITE LIGHTING SCHEDULE

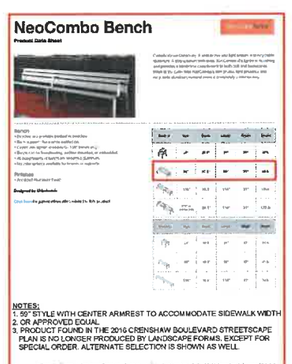
KEY	DETAIL	QUANTITY	TYPE	FINISH	MODEL	MANUFACTURER	SAMPLE	LOCATION	REMARKS
L-101	3 / L4-00	3	15' HT. PEDESTRIAN LIGHT	FRENCH GRAY	ALMSAS-M24,EK0X-EVX-2G3-35-CNS-YS19-FPA-CU	SPRING CITY WWW.SPRINGCITY.COM	YES	STREETSCAPE	INSTALL BETWEEN EXISTING STREET LIGHTING AT 30' O.C., WHERE FEASIBLE / OR APPROVED EQUAL / SEE DETAILS

NOTES:
1. SITE FURNISHING SPECIFICATIONS AND LAYOUT PER THE 2016 CRENSHAW BOULEVARD STREETSCAPE PLAN (4-16)
2. SITE LIGHTING REQUIREMENTS PER THE 2016 CRENSHAW BOULEVARD STREETSCAPE PLAN (4-5)

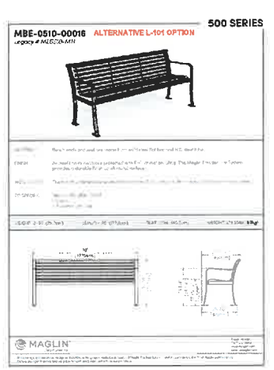


3 L-101 PEDESTRIAN LIGHTING
1" = 1'-0"

2 1'-0" WIDE CONCRETE BAND
NOT TO SCALE



1 F-101 BENCH
NOT TO SCALE



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PRIMARY CARE, DENTAL AND BEHAVIORAL HEALTH CENTER

SITE FURNISHING & LIGHTING PLAN, SCHEDULE, & NOTES

L4-00

SCALE: 1"=10'
0 5' 10' 15' 25'

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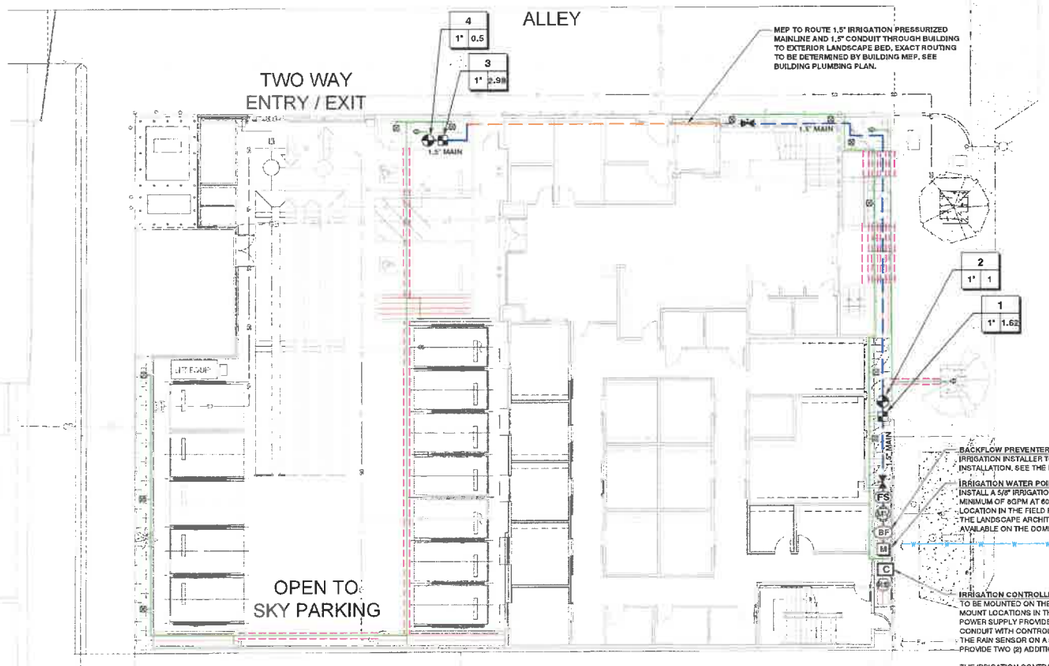

SLEEVE LEGEND	
LATERAL/ MAINLINE SIZE	SLEEVE SIZE
1"	2"
1.5"	3"
2"	4"
2.5"	4"
3"	6"
4"	8"
CONTROL WIRE CONDUIT	1.5"

LATERAL LEGEND	
	1"
	1.5"
	2"
	2.5"

IRRIGATION PLANS ARE TO BE VIEWED IN COLOR FOR MOST ACCURATE INTERPRETATION OF THE DESIGN.

IRRIGATION EQUIPMENT MAY BE SHOWN OFFSET FOR GRAPHIC CLARITY. INSTALL ALL EQUIPMENT IN LANDSCAPED AREA.

INSTALL ALL THE IRRIGATION EQUIPMENT TO AVOID CONFLICTS WITH INSTALLED UTILITIES, TREE INSTALLATION AND EXISTING TREES TO REMAIN. THE IRRIGATION MAINLINE, LATERAL LINE, AND IRRIGATION SPRINKLER LOCATIONS ARE SHOWN SCHEMATICALLY AND SHALL BE ADJUSTED BASED ON FIELD CONDITIONS. ALL LANDSCAPED AREAS ARE TO RECEIVE 100% COVERAGE BY THE IRRIGATION SYSTEM (TYP.)

NORTH

811 Know what's BELOW. CALL before you dig. Call 811 two business days before digging

IDS IRRI DESIGN STUDIO

IRRIGATION PLAN SCALE 1"=10'-0" 1

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STATE OF CALIFORNIA

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IRRIGATION PLAN

L5-00

IRRIGATION INSTALLATION NOTES

1. CODES: INSTALL ALL MATERIALS TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES, AS SPECIFIED IN LEGEND AND AS SHOWN ON DETAILS.
2. DIMENSION.S: THE IRRIGATION SYSTEM IS DIAGRAMMATIC. ALL VALVES, PIPING, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHENEVER POSSIBLE.
3. PRESSURE: NOTIFY OWNERS REPRESENTATIVE IMMEDIATELY IF STATIC PRESSURE IS LESS THAN SHOWN ON THE DRAWINGS, NOTIFY OWNER PRIOR TO START OF CONSTRUCTION.
4. PRESSURE TEST: TEST ALL MAIN LINES IN THE PRESENCE OF THE INSPECTOR UNDER A STATIC PRESSURE OF 150 PSI AND PROVE WATERTIGHT. THE CONTRACTOR SHALL PROVIDE THE NECESSARY FORCE PUMP AND PRESSURE GAUGES. MAINTAIN PRESSURE FOR A PERIOD OF 3 HOURS WITH NO DROP OF PRESSURE DURING THIS TIME. ANY LEAKS FOUND DURING THE TEST PERIOD SHALL BE REPAIRED BY REPLACING OR TIGHTENING OF THE DEFECTIVE CONNECTION
5. SITE DISCREPANCIES: IF IT IS OBVIOUS IN THE FIELD THAT THERE WERE UNKNOWN OBSTRUCTIONS, GRADE DIFFERENCES, OR OTHER ITEMS WHICH WOULD HINDER THE INSTALLATION OR OPERATION OF THE SYSTEM DESIGNED, UNTIL SUCH CONDITIONS ARE BROUGHT TO THE ATTENTION OF THE OWNER. THE CONTRACTOR SHALL NOT INSTALL THE SYSTEM AS DESIGNED.
6. CONTROLLERS AND BACKFLOW DEVICES: VERIFY FINAL LOCATION WITH OWNERS' REPRESENTATIVE.
7. TRENCHING: INSTALL BURIED LATERALS 12" BELOW GRADE ON SLOPE AND FLAT AREAS. (18" BELOW FOR ROTOR HEADS). INSTALL MAIN LINES 24" BELOW GRADE.
8. MAIN LINES UNDER PAVING AND CONTROL WIRE SLEEVING: INSTALL ALL MAIN LINES UNDER PAVING IN SLEEVES WITH SAND BACKFILL. INSTALL WIRE SLEEVES IN THE SAME TRENCH WITH 6" CLEARANCE FROM MAIN LINE.
9. ELECTRICAL: ALL CONNECTIONS SHALL BE PER LOCAL CODES AND ORDINANCES, UNLESS OTHERWISE INDICATED ON DRAWINGS, LINE VOLTAGE SHALL BE PROVIDED TO THE CONTROLLER LOCATION BY THE GENERAL CONTRACTOR. IRRIGATION CONTRACTOR TO MAKE FINAL HOOK UP AND INSTALLATION OF ALL REQUIRED EQUIPMENT.
10. CONTROL WIRING: INSTALL # 14 UF DIRECT-BURIAL IRRIGATION WIRE. INSTALL BLACK PILOT WIRES AND WHITE COMMON WIRE. USE EPOXY TYPE CONNECTORS. FORM EXPANSION COILS EVERY 100 FEET AND AT EACH CHANGE OF DIRECTION. MARK CONTROL WIRES WITH VINYL TAG IN VALVE BOX, INDICATING THE CONTROLLER STATION NUMBER.
11. VALVE BOXES: INSTALL VALVE BOXES PER DETAILS WITH STATION NUMBERS STENCILED ON LID WITH LETTERS 2 INCHES HIGH.
12. SPRINKLER PRESSURE: ADJUST PRESSURE AT THE CONTROL VALVES TO PROVIDE THE REQUIRED PRESSURE INDICTED IN THE LEGEND.
13. COVERAGE: ADJUST ALL SPRINKLERS TO PROVIDE COVERAGE WITH MINIMAL OVERSPRAY ONTO PAVED AREAS. PERFORM COVERAGE TEST UPON COMPLETION IN PRESENCE OF THE INSPECTOR.
14. EXTRA: CONTRACTOR SHALL DELIVER TO THE OWNER UPON COMPLETION THE EXTRA EQUIPMENT AS FOLLOWS:
    - 14.1. ONE LOCK WITH TWO KEYS FOR EACH CONTROLLER ENCLOSURE.
    - 14.2 TWO OF EACH TYPE OF SPRINKLER HEADS AND NOZZLES USED ON THE SITE.
    - 14.3. THREE OF EACH QUICK COUPLERS, WITH ATTACHED HOSE SWIVELS.
15. AS-BUILT DRAWINGS: CONTRACTOR SHALL PROVIDE "AS-BUILT" MYLARS TO THE OWNER UPON COMPLETION OF THE PROJECT. SHOWING LOCATIONS OF CONTROLLERS, REMOTE CONTROL VALVES, GATE AND QUICK COUPLER VALVES, MAINLINE AND CONTROL WIRE LOCATION. ALL DIMENSIONS GIVEN SHALL BE FROM TWO PERMANENT POINTS OF REFERENCE.
16. CONTROLLER CHARTS: PROVIDE ONE CHART FOR EACH CONTROLLER SHOWING THE AREA COVERED BY EACH CONTROLLER. SIZE THE CHART AS BIG AS THE CONTROLLER DOOR WILL ALLOW. EACH CHART SHALL BE A REDUCED DRAWING OF THE "AS-BUILT" SYSTEM, CLEARLY LEGIBLE AT THE REDUCTION CHOSEN. CHART SHALL BE A BLACK LINE PRINT WITH DIFFERENT COLOR USED TO SHOW THE COVERAGE OF EACH STATION. AFTER APPROVAL BY THE OWNER, CHARTS SHALL BE HERMETICALLY SEALED BETWEEN TWO SHEETS OF PLASTIC 10 MILS THICK.
17. GUARANTEE: THE CONTRACTOR SHALL GUARANTEE THE ENTIRE SPRINKLER SYSTEM FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE AGAINST DEFECTIVE MATERIAL AND WORKMANSHIP. REPAIR ANY DEFECTS AT NO COST TO THE OWNER.

ASSIGNMENT OF RESPONSIBILITY

GENERAL: THE IRRIGATION SYSTEM IS DESIGNED TO PROVIDE FULL COVERAGE OF ALL PLANTING AREAS WITH MINIMUM OVERSPRAY ONTO PAVING, WALKS, WALLS AND EXISTING UTILITIES. THE IRRIGATION CONSULTANT DOES NOT ASSUME ANY MAINTENANCE OBLIGATIONS.
CONTRACTORS RESPONSIBILITIES: THE CONTRACTORS SHALL ASSUME THE SOLE RESPONSIBILITY FOR THE CORRECT ALIGNMENT OF THE SPRINKLER HEADS, PROPER SETTINGS OF CONTROLLER ENCLOSURES AND ALL OTHER IRRIGATION SYSTEM COMPONENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ADJUSTING THE WATERING CYCLES TO SUIT THE SEASONAL REQUIREMENTS. ADJUST THE WATERING CYCLES TO THE SOILS INFILTRATION RATE. NO RUN OFF SHALL OCCUR AT ANY TIME. THE INSTALLATION CONTRACTOR SHALL INSTRUCT THE MAINTENANCE CONTRACTOR IN THE USE AND ADJUSTMENT OF THE IRRIGATION SYSTEM. PERFORM ALL REVIEWS AND AUDITS AS CALLED OUT IN THE IRRIGATION MAINTENANCE NOTES AND SUBMIT WRITTEN REPORTS TO THE OWNER.
OWNERS RESPONSIBILITIES: THE OWNER SHALL BE SOLELY RESPONSIBLE FOR OBTAINING "AS BUILT" DRAWINGS AND CONTROLLER CHARTS FROM THE INSTALLATION CONTRACTOR. ANY DANGEROUS CONDITIONS THAT MAY OCCUR DURING THE CONSTRUCTION OR LATER MAINTENANCE PERIOD SHALL BE CORRECTED IMMEDIATELY.
SUBSTITUTIONS: NO SUBSTITUTIONS OF MATERIALS SHALL BE ALLOWED DURING THE CONSTRUCTION OR LATER MAINTENANCE WITHOUT THE WRITTEN CONSENT OF THE IRRIGATION CONSULTANT. ALL REPLACEMENT COMPONENTS SHALL BE AS CALLED OUT ON THE DRAWINGS AND IN THE SPECIFICATIONS. THE CONSULTANT CAN NOT BE HELD RESPONSIBLE FOR ALTERATIONS OF THE IRRIGATION SYSTEM THAT WERE DONE WITHOUT HIS WRITTEN PERMISSION.

OBSTRUCTIONS

WHEN VERTICAL OBSTRUCTIONS (PROPS, STREET LIGHTS, TREES, ETC.) INTERFERE WITH THE SPRAY PATTERN OF THE SPRINKLER HEADS SO AS TO PREVENT PROPER COVERAGE. THE IRRIGATION CONTRACTOR SHALL FIELD ADJUST THE SPRINKLER SYSTEM BY INSTALLING A QUARTER CIRCLE OR HALF CIRCLE SPRINKLER HEAD ON EACH SIDE OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. (TYPICAL)

MWELO IRRIGATION NOTES

DESIGN & INSTALLATION REQUIREMENTS FOR THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) EFFECTIVE DECEMBER 1, 2015

A. DESIGN AND INSTALLATION SHALL INCLUDE THE FOLLOWING:
1. AUTOMATIC IRRIGATION CONTROLLER USING ET OR SOIL MOISTURE SENSOR DATA AREA REQUIRED.
    a. LANDSCAPE WATER METERS (DEDICATED OR PRIVATE) SHALL BE INSTALLED FOR ALL NON-RESIDENTIAL LANDSCAPE OF 1,000 SQUARE FEET BUT NOT MORE THAN 5,000 SQUARE FEET OR GREATER.
    b. RESIDENTIAL OVER 5,000 SQUARE FEET.
2. RAIN, FREEZE AND WIND SENSORS ARE REQUIRED, AS NEEDED FOR LOCAL CLIMATE.
3. FLOW SENSORS THAT DETECT HIGH FLOW ARE REQUIRED FOR ALL NON-RESIDENTIAL LANDSCAPES AND RESIDENTIAL 5,000 SQUARE FEET.
4. PRESSURE REGULATING DEVICES ARE REQUIRED. LOW FLOW WILL NEED BOOSTER.
5. CHECK VALVE AND ANTI-DRAIN VALVES ARE REQUIRED WHERE LOW HEAD DRAINAGE COULD OCCUR.
6. NO OVERHEAD IRRIGATION WITHIN 24 INCHES OF ANY NON-PERMEABLE SURFACE.
7. LOW VOLUME (DRIP) IRRIGATION IS REQUIRED ON MULCHED PLANTING AREAS.
8. AREAS LESS THAN 10 FEET IN WIDTH IN ANY DIRECTION MUST BE IRRIGATED WITH SUBSURFACE IRRIGATION OR ANOTHER MEANS THAT PRODUCES NO RUNOFF.
9. ALL SPRINKLER HEADS MUST DOCUMENT A LOWER QUARTER DISTRIBUTION UNIFORMITY (DULQ) OF 65% OR HIGHER.
10. EMISSION DEVICES MUST HAVE MATCHED PRECIPITATION RATES.
11. SOIL MANAGEMENT REPORT THAT INCLUDES SOIL ANALYSIS: TEXTURE, INFILTRATION RATE, PH, SOLUBLE SALTS, SODIUM, % ORGANIC, RECOMMENDATIONS.

B. SOIL PREPARATION:
1. PRIOR TO PLANTING COMPACTED SOIL SHALL BE TRANSFORMED TO A FRIABLE CONDITION.
2. INSTALLATION: COMPOST AT A MINIMUM RATE OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF 6 INCHES INTO SOIL.

C. IRRIGATION AUDITS:
1. LANDSCAPE AUDITS SHALL NOT BE CONDUCTED BY THE PERSON WHO DESIGN OR INSTALLED THE LANDSCAPE AND CONDUCTED IN A MANNER CONSISTENT WITH THE IA LANDSCAPE IRRIGATION AUDIT OR "WATERSENSE" LABELING AUDIT BY USEPA.
2. CERTIFICATE OF COMPLETION SUBMITTED TO LOCAL AGENCY FOR APPROVAL.

DRIP SPECIFICATIONS & NOTES:
DRIP TUBING; SPECIFICATION AS SHOWN ON THE PRODUCT SCHEDULE; DRIP GRID LAY-OUT IS BASED ON 30 PSI.

1. INSTALL DRIP SYSTEM IN THE FOLLOWING ORDER: A). WITH ALL MAINLINE AND IT'S ASSOCIATE EQUIPMENT (INCLUDING PRE-FILTERING 120 MESH FILTER AT P.O.C.) COMPLETELY INSTALLED, FLUSH MAINLINE TILL FREE AND CLEAR OF DEBRIS. B). INSTALL ALL LATERALS TO THE VARIOUS DRIP GRIDS, AND SUPPLY HEADERS WITH RISERS EXTENDED ABOVE GROUND. CENTER FEED RISERS, TEMPORARY EXTEND NIPPLES WITH PIPE AND COUPLINGS (DO NOT GLUE). FLUSH TILL FREE AND CLEAR OF DEBRIS. TEMPORARY CAP NIPPLES, SEAL BLANK TUBING (RISERS) WITH TAPE. C). INSTALL EXHAUST HEADERS - RISERS - FLUSH POINTS. D). INSTALL DRIP GRID, STAPLE TUBING PER DETAIL, CONNECT DRIP TUBING TO SUPPLY HEADER RISERS. FLUSH TILL FREE AND CLEAR OF DEBRIS. E). CONNECT DRIP GRID TO EXHAUST HEADER RISERS, FLUSH SYSTEM USING "FLUSH POINT".
2. INSTALL OPERATION INDICATORS WITHIN 12-INCHES OF "FLUSH POINT" VALVE BOX. SEE DETAIL. ACTIVATE DRIP ZONE, ENSURE ALL OPERATION INDICATORS ARE FULLY EXTENDED, ADJUST STREAM SPRAY TO WHERE IT CAN EASILY BE SEEN BY MAINTENANCE PERSON.
3. PRESSURE TEST WITH OWNERS REPRESENTATIVE PRESENT; PER ZONE, TEMPORARY INSTALL (2) PRESSURE GAUGES (LIQUID FILLED PRESSURE GAUGES) ON (2) FLUSH POINTS, (1) ON LARGEST GRID "FLUSH POINT" AND THE OTHER ON FARTHEST GRID "FLUSH POINT". ACTIVATE ZONE, AFTER FLOW HAS STABILIZED, VERIFY ALL ZONE OPERATION INDICATORS ARE FULLY EXTENDED, CHECK PRESSURE ON BOTH GAUGES, PRESSURE MUST BE 20 PSI OR HIGHER TO PASS TEST. IF TEST FAILS, CONTRACTOR TO LOCATE AND CORRECT PROBLEM AND RETEST. IT IS IN THE CONTRACTORS BEST INTEREST TO PERFORM HIS OWN TEST BEFORE HE CALLS OWNERS REPRESENTATIVE PRESENTS TO AVOID RE-INSPECTION FEE'S.
4. PRESSURE TEST RESULTS SHALL BE NOTED AS-BUILD DRAWING BY THE "FLUSH POINT" WHERE TESTS WAS TAKEN. ALL "FLUSH POINTS" LOCATIONS SHALL BE INCLUDED IN AS-BUILD DRAWINGS.

THE FOLLOWING PRODUCTS ARE NOT SHOWN ON THE PLAN FOR GRAPHIC CLARITY BUT ARE TO BE INCLUDED DURING THE BIDDING PROCESS AND ARE TO BE INSTALLED BY THE IRRIGATION INSTALLATION CONTRACTOR. FOLLOW ALL MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.

- FLUSH VALVES (MANUAL OR AUTOMATIC).
- AIR RELIEF VALVES - LOCATE AT THE HIGHPOINT OF THE ZONE.
- DRIP INDICATOR HEAD - LOCATE IN AN INCONSPICUOUS AREA BUT ACCESSIBLE BY THE SITE MAINTENANCE TEAM.

IRRIGATION PLANS ARE TO BE VIEWED IN COLOR FOR MOST ACCURATE INTERPRETATION OF THE DESIGN.

IRRIGATION EQUIPMENT MAY BE SHOWN OFFSET FOR GRAPHIC CLARITY. INSTALL ALL EQUIPMENT IN LANDSCAPED AREA.

SLEEVE LEGEND

LATERAL/ MAINLINE SIZE	SLEEVE SIZE
1"	2"
1.5"	3"
2"	4"
2.5"	4"
3"	6"
4"	8"
CONTROL WIRE CONDUIT	1.5"

LATERAL LEGEND

	1"
	1.5"
	2"
	2.5"

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
1401 1402 1404 1406	RAIN BIRD 1800-1400 FLOOD FIXED FLOW RATE 0.25 GPM - 2.0 GPM, FULL CIRCLE BUBBLER, 1/2IN. FIPT.	3	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-100-LC WIDE FLOW DRIP CONTROL KIT, FOR LIGHT COMMERCIAL USES. 1IN. PEB VALVE, WITH 1IN. PRESSURE REGULATING 40PSI BASKET FILTER, 0.3-20 GPM.	2
SUB	RAIN BIRD XBDS1 W/ XB-10 XERI-BIRD 8 MULTI OUTLET EMISSION DEVICE WITH XERI-BUG EMITTERS AT 1 GPH EACH. WITH BUILT-IN 200 MESH FILTER.	11
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-06-12 (GROUND LEVEL) XFS SUB-SURFACE PRESSURE COMPENSATING DRIPLINE W/COPPER SHIELD TECHNOLOGY. 0.6 GPH EMITTERS AT 12" O.C. LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.	233.6 L.F.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD PEB 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	LANDSCAPE PRODUCTS INC. BBV 1/2IN., 3/4IN., 1IN., 1-1/4IN., 1-1/2IN., 2IN., 2-1/2IN., 3IN. FULL PORT BRASS BALL VALVE. SUITABLE FOR A FULL RANGE OF LIQUIDS AND GASES IN RESIDENTIAL AND COMMERCIAL APPLICATIONS.	2
MV	MASTER VALVE - RAIN BIRD PEB-PRS-D 1" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL MASTER VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. WITH PRESSURE REGULATOR MODULE.	1
BF	ZURN 0752I. 3/4" REDUCED PRESSURE BACKFLOW DEVICE	1
C	RAIN BIRD ESP-LXME2P-LXMM 12 STATION, TRADITIONALLY-WIRED COMMERCIAL CONTROLLER W/ FACTORY INSTALLED PRO SMART MODULE. INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE. INSTALL IN LXMM POWDER COATED, METAL WALL-MOUNTED CABINET.	1
RS	RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.	1
FS	RAIN BIRD UFS-100 1IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE .3 GPM-50 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
M	IRRIGATION WATER METER 5/8" RECORDALL BADGER DISC METER OR EQUAL PROVIDED BY OTHERS	1
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 SEE PIPE LEGEND FOR COLOR CODING AND SIZING.	415.0 L.F.
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21	118.9 L.F.
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 SEE BUILDING PLUMBING PLANS FOR THE EXACT ROUTING AND SIZING.	47.9 L.F.
	PIPE SLEEVE: PVC SCHEDULE 40	164.4 L.F.

Valve Callout
Valve Number
Valve Size
Valve Flow

THE QUANTITIES SHOWN IN THE LEGEND SHEETS SHALL NOT BE USED FOR BIDDING PURPOSES. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONDUCTING A COMPREHENSIVE MATERIALS TAKEOFF TO DETERMINE THE ACTUAL QUANTITIES OF MATERIAL NECESSARY TO EXECUTE THE WORK DESCRIBED IN THE DOCUMENTS.

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PRECIP
1	RAIN BIRD XCZ-100-LC	1"	AREA FOR DRIPLINE	1.62	1.43 in/h
2	RAIN BIRD PEB	1"	BUBBLER	1	1.7 in/h
3	RAIN BIRD XCZ-100-LC	1"	DRIP EMITTER	2.88	1.45 in/h
4	RAIN BIRD PEB	1"	BUBBLER	0.5	1.7 in/h

THE IRRIGATION CONTRACTOR IS TO SET THE RUN TIMES FOR EACH ZONE TO MATCH THE PLANT WATER REQUIREMENTS, SITE CONDITIONS AND MICRO-CLIMATE FACTORS. SEE THE LANDSCAPE PLANS FOR PLANT SPECIFICATIONS.

CRITICAL ANALYSIS

P.O.C. NUMBER: 01
Water Source Information: 5/8" RECORDALL BADGER DISC METER OR EQUAL PROVIDED BY OTHERS

FLOW AVAILABLE
Custom Max Flow: 8 GPM
Flow Available: 8 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 60 PSI
Pressure Available: 60 PSI

DESIGN ANALYSIS
Maximum Station Flow: 2.98 GPM
Flow Available at POC: 8 GPM
Residual Flow Available: 5.02 GPM

Critical Station: 2
Design Pressure: 30 PSI
Friction Loss: 0 PSI
Fittings Loss: 0 PSI
Elevation Loss: 0 PSI
Loss through Valve: 1.3 PSI
Pressure Req. at Critical Station: 31.3 PSI
Loss for Fittings: 0.0 PSI
Loss for Main Line: 0.0 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 10.8 PSI
Loss for Master Valve: 1.3 PSI
Critical Station Pressure at POC: 43.4 PSI
Pressure Available: 60 PSI
Residual Pressure Available: 16.6 PSI

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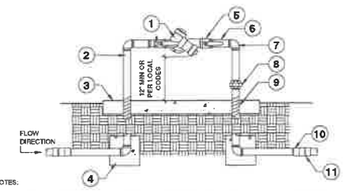
IRRIGATION NOTES & SCHEDULE

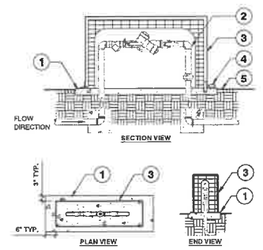
L5-01



NOTES:
1. ALL ASSEMBLY PARTS (THREADED NIPPLES, FITTINGS, ETC.) SHALL BE GALVANIZED OR BRASS PER LOCAL CODES AND REQUIREMENTS.
2. GALVANIZED NIPPLE SHALL EXTEND 12" PAST THE EDGE OF THE CONCRETE FOOTING.
3. SCH. 80 PVC MALE ADAPTER SHALL BE USED IN CONNECTION FROM GALVANIZE TO THE MAINLINE.
4. BACKFLOW PREVENTION DEVICE SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE LANDSCAPE METER.
5. BACKFLOW PREVENTION DEVICE SHALL BE LOCATED IN PLANTING AREA UNLESS APPROVED BY OWNERS REPRESENTATIVE.
6. SEE DETAIL FOR BACKFLOW CAGE INSTALLATION.
7. ALL BACKFLOW PREVENTION DEVICES SHALL HAVE FREEZE BLANKET INCLUDED UPON INSTALLATION.
8. ALL GALVANIZED CONNECTIONS SHALL TO BE MADE USING PIPE THREAD SEALANT. ALL SCH. 80 PVC TO GALVANIZED CONNECTIONS TO BE MADE USING TEFLON TAPE.

1. BACKFLOW PREVENTION DEVICE, (SEE IRRIGATION PLANS FOR MAKE AND MODEL). INSTALL DEVICE PER THE LOCAL WATER PURVEYORS STANDARDS AND SPECIFICATIONS
2. GALVANIZED NIPPLE
3. 4" THICK CONCRETE PAD, 1" ABOVE FINISHED GRADE, SEE BACKFLOW CAGE DETAIL
4. CONCRETE THRUST BLOCKS REQUIRED ON BACKFLOW DEVICES 2-1/2" AND LARGER
5. BRASS BALL VALVE
6. THREADED GALVANIZED NIPPLE
7. GALVANIZED 90° (DEGREE) ELBOW
8. GALVANIZED UNION
9. WRAP 20 MIL TAPE TWICE AROUND GALVANIZED PIPE UNDER FINISHED GRADE AND THROUGH THE CONCRETE
10. GALVANIZED COUPLING
11. SCH. 80 PVC MALE ADAPTER

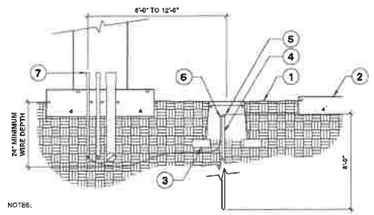
1 BACKFLOW PREVENTION DEVICE
3/4" = 1'-0" — FX-IR-FX-BACK-02



NOTES:
1. INSTALL BACKFLOW CAGE PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
2. SEE BACKFLOW PREVENTION DEVICE DETAIL FOR REFERENCE.
3. LOCK BOX SHALL BE LOCATED ABOVE CONCRETE FOOTING
4. CONTRACTOR SHALL PROVIDE A LOCK AS APPROVED BY THE OWNERS REPRESENTATIVE.

1. 4" THICK CONCRETE FOOTING 1" ABOVE FINISHED GRADE
2. BACKFLOW PREVENTION DEVICE (SEE IRRIGATION PLAN FOR MAKE AND MODEL)
3. BACKFLOW CAGE-STRONG BOX LOW PROFILE SMOOTH TOUCH ENCLOSURE
4. LOCK BOX
5. FINISHED GRADE

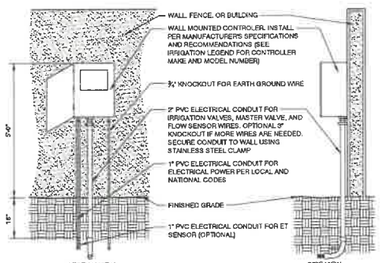
2 BACKFLOW CAGE
3/8" = 1'-0" — FX-IR-FX-BACK-01



NOTES:
1. ALL GROUNDING REQUIREMENTS FOR CONTROLLERS SHALL CONFORM TO LOCAL ELECTRIC CODES.
2. GROUNDING ROD SHALL NOT BE LOCATED IN THE SAME TRENCH AS IRRIGATION MAINLINES OR LATERAL LINES.
3. VALVE BOX SHALL BE WRAPPED WITH A MINIMUM 3 MIL THICK PLASTIC AND SECURED TO THE VALVE BOX USING DUCT TAPE OR ELECTRICAL TAPE.
4. INSTALL GROUNDING ROD PER THE CONTROLLER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

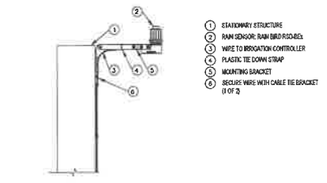
1. FINISH GRADE
2. PAVEMENT
3. THREE (3) 4" X 6" BRICKS
4. 5/8" X 8'-0" COPPER GROUNDING ROD
5. GROUNDING ROD CLAMP
6. #8 AWG BARE COPPER WIRE
7. 1/2" PVC ELECTRICAL CONDUIT AND SWEEP FOR EARTH GROUND

3 GROUNDING ROD
1" = 1'-0" — FX-IR-FX-AUXEQ-01



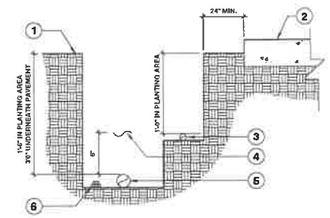
NOTES:
1. COMMON AND CONTROLLER WIRE TO BE BUNDLED USING ELECTRICAL TAPE 10'-0" ON CENTER.
2. GROUNDING RODS SHALL BE LOCATED BETWEEN 6'-0" TO 12'-0" AWAY FROM THE CONTROLLER. GROUNDING RODS SHALL BE ¾" IN DIAMETER x 8' IN LENGTH. CONNECT THE GROUNDING ROD TO THE CONTROLLER USING 6 GAUGE BARE COPPER WIRE OR PER THE MANUFACTURER'S SPECIFICATIONS. SEE GROUNDING ROD DETAIL.
3. ET STATION SHALL BE INSTALLED NO FURTHER THAN 90' AWAY FROM THE CONTROLLER AND A MINIMUM OF 15' OFF THE GROUND, OUT FROM UNDER ANY OVERHEAD OBSTRUCTIONS SUCH AS, BUT NOT LIMITED TO, BUILDING OVERHANGS, TREES, OR UTILITIES.

4 WALL MOUNTED CONTROLLER
1/2" = 1'-0" — FX-IR-FX-CONT-05



1. STATIONARY STRUCTURE
2. RAIN SENSOR, RAIN BIRD RSD-BEX
3. WIRE TO IRRIGATION CONTROLLER
4. PLASTIC TIE DOWN STRAP
5. MOUNTING BRACKET
6. SECURE WIRE WITH CABLE TIE BRACKET (1 OF 3)

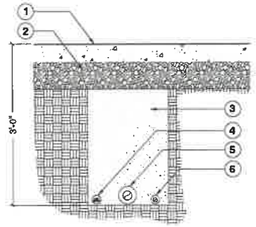
5 RAIN BIRD - RSD-BEX RAIN SENSOR
N.T.S — I-15



NOTES:
1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. DIRECT BURIAL CONTROL WIRES SHALL BE INSTALLED IN SCH. 40 PVC ELECTRICAL CONDUIT IF REQUIRED.
3. 2-WIRE IRRIGATION WIRE SHALL BE INSTALLED IN SCH 40 PVC ELECTRICAL CONDUIT.
4. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

1. FINISHED GRADE
2. PAVEMENT
3. NON-PRESSURIZED LINE (LATERAL LINE)
4. DETECTABLE LOCATOR TAPE
5. PRESSURIZED LINE (MAINLINE)
6. DIRECT BURIAL LOW VOLTAGE CONTROL WIRES

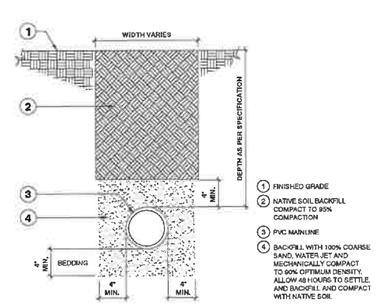
6 IRRIGATION TRENCHING
1 1/2" = 1'-0" — FX-IR-FX-AUXEQ-06



NOTES:
1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.
2. ALL SLEEVES SHALL BE SCH. 40 PVC PIPE.
3. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.
4. END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

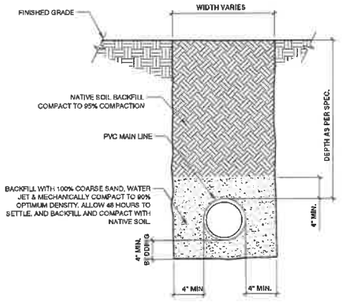
1. PAVEMENT
2. BASE ROCK
3. CLEAN BACKFILL, 95% RELATIVE COMPACTION UNDER PAVING OR PER CIVIL ENGINEER'S PLANS
4. CONTROL WIRES, SLEEVE UNDER PAVING. INSTALL ADJACENT TO PRESSURIZED MAINLINE. BUNDLE SHALL BE NO MORE THAN 50% OF PIPE DIAMETER
5. MAINLINE, SLEEVE UNDER PAVING TO BE TWO TIMES THE DIAMETER OF THE PRESSURIZED MAINLINE PIPE
6. NON-PRESSURIZED LINE, SLEEVE UNDER PAVING TO BE BE TWO TIMES THE DIAMETER OF THE LATERAL LINE

7 PIPE BENEATH PAVEMENT
1" = 1'-0" — FX-IR-FX-AUXEQ-05

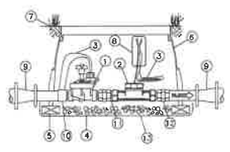


1. FINISHED GRADE
2. NATIVE SOIL BACKFILL COMPACT TO 95% COMPACTION
3. PVC MAINLINE
4. BACKFILL WITH 100% COARSE SAND, WATER JET AND MECHANICALLY COMPACT TO 90% OPTIMUM DENSITY. ALLOW 48 HOURS TO SETTLE, AND BACKFILL AND COMPACT WITH NATIVE SOIL

8 MAINLINE WITH SAND BEDDING
1 1/2" = 1'-0" — FX-IR-FX-AUXEQ-13



9 SLEEVE AT ROAD
1 1/2" = 1'-0" — FX-IR-FX-AUXEQ-15

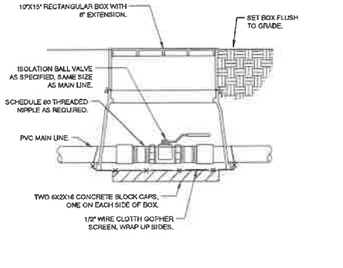


NOTES:
1. THE UFS CAN BE INSTALLED IN A VERTICAL POSITION WITH THE FLOW ARROW POINTING UPWARDS.
2. THE UFS SIZE MUST BE EQUAL TO OR SMALLER THAN THE INCOMING PIPE SIZE.
3. THE UFS DOES NOT REQUIRE STRAIGHT PIPE BEFORE OR AFTER SENSOR PLACEMENT.
4. NO BRICKS REQUIRED FOR RAIN BIRD VB-SERIES VALVE BOXES ONLY.

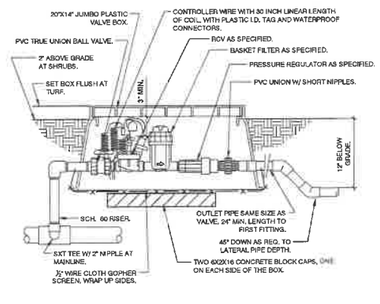
1. RAIN BIRD MASTER VALVE PER THE SCHEDULE
2. RAIN BIRD UFS SERIES FLOW SENSOR
3. TWO-WIRE CONTROL WIRE
4. 3" MINIMUM DEPTH OF ¾" WASHED GRAVEL
5. BRICK (1 OF 4)
6. JUMBO VALVE BOX WITH COVER
7. FINISH GRADE
8. SEE FLOW SENSOR WIRING DETAIL FOR WIRING DIAGRAM
9. CONCENTRIC REDUCER
10. PVC MALE ADAPTER
11. PVC CLOSE NIPPLE (1 OF 3)
12. PVC UNION (1 OF 2)
13. ½" WELDED WIRE MESH

MODEL	SIZE	K	OFFSET	FLOW RANGE
UFS100	1"	0.25	0	0.3 - 50 GPM
UFS150	1.5"	1.70	-0.318	0.5 - 110 GPM
UFS200	2"	2.849	0.1439	1.0 - 200 GPM

10 RAINBIRD UFS & MASTER VALVE
N.T.S — I-20



11 BRASS BALL ISOLATION VALVE
1 1/2" = 1'-0" — FX-IR-FX-ISOV-02



12 1" DRIP VALVE W/BASKET FILTER
1 1/2" = 1'-0" — FX-IR-FX-DRIP-13

EXHIBIT "A"
Page No. 19 of 20
Case No. DIR-2025-716-SPPC

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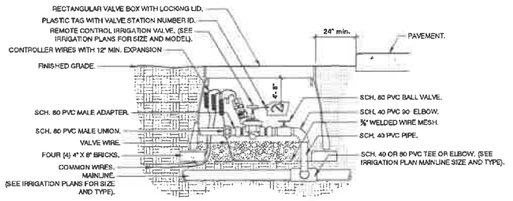
IRRIGATION DETAILS

L5-02



NOTE:
1- LOCATE VALVE BOX WITHIN 24" OF PAVEMENT EDGE IN PLANTING AREA WHERE EASILY ACCESSIBLE WHENEVER POSSIBLE.

2- COMMON WIRE AND CONTROLLER WIRE SHALL BE DIRECT BURIAL 14 AWG OR LARGER. COLOR: COMMON (WHITE), CONTROLLER WIRE FOR TURF (BLUE), AND CONTROLLER WIRE FOR SHRUBS (RED). (SEE SPECIFICATIONS FOR 2-WIRE CONTROLLERS).

3- ALL WIRE RUNS SHALL BE CONTINUOUS WITHOUT ANY SPLICES UNLESS APPROVED BY THE OWNERS REPRESENTATIVE. SEE SPLICE BOX DETAIL. WIRE CONNECTIONS SHALL BE MADE USING DBRY-6 CONNECTORS OR APPROVED EQUAL.

4-VALVE BOX SHALL BE WRAPPED WITH MIN. 8 MIL THICK PLASTIC AND SECURE IT USING DUCT TAPE OR ELECTRICAL TAPE.

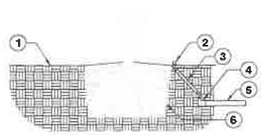
5- MAINLINES 4" OR LARGER SHALL USE SADDLES AT THE CONNECTIONS POINTS TO THE IRRIGATION VALVE. (SEE SPECIFICATIONS FOR IRRIGATIONS SADDLES).

6- ALL SCH. 80 PVC TO SCH. 40 PVC THREADED CONNECTIONS SHALL BE MADE USING TEFLON TAPE.

7- VALVE BOXES SHALL BE LOCATED IN PLANTING AREAS.

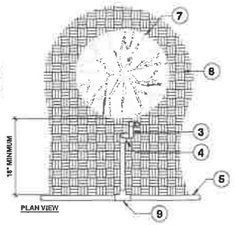
1 REMOTE CONTROL IRRIGATION VALVE

1 1/2" = 1'-0" FX-IR-FX-RCV-02



SECTION VIEW

1. FINISHED GRADE
2. PRESSURE COMPENSATING BUBBLER SHALL BE SET 1" ABOVE FINISHED GRADE (SEE IRRIGATION SCHEDULE FOR MAKE AND MODEL)
3. SWING JOINT, SEE DETAIL
4. SCH. 40 PVC 90° ELBOW SLIP TO THREAD
5. LATERAL LINE IRRIGATION (SEE IRRIGATION PLANS FOR SIZING)
6. EDGE OF ROOT BALL. SETTLE BACKFILL SO IRRIGATION FLOWS THROUGH ROOT BALL
7. EDGE OF ROOT BALL
8. EXISTING OR MODIFIED SOIL (SEE SPECIFICATIONS FOR SOIL MODIFICATION)
9. SCH. 40 PVC TEE OR 90° ELBOW



PLAN VIEW

NOTES:

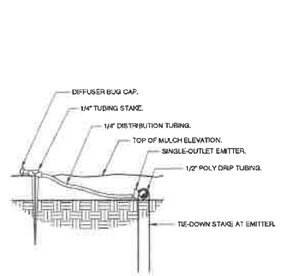
1. ALL IRRIGATION FITTINGS SHALL BE SCH. 40 PVC UNLESS SPECIFIED OTHERWISE.
2. ALL THREADED CONNECTIONS FROM SCH. 40 TO SCH. 80 PVC SHALL BE MADE USING TEFLON TAPE.
3. CONTRACTOR SHALL SETTLE THE AREA AROUND THE BUBBLER AND EDGE OF THE ROOT BALL SO THAT ALL IRRIGATION FLOWS THROUGH THE ROOT BALL.

2 IRRIGATION BUBBLER W/ LAYOUT

3/4" = 1'-0" FX-IR-FX-BUBB-04

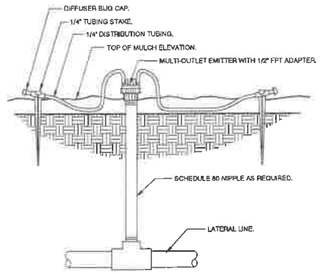
3 DRIP EMITTER AT 1/4" TUBING

3" = 1'-0" FX-IR-FX-EMIT-02



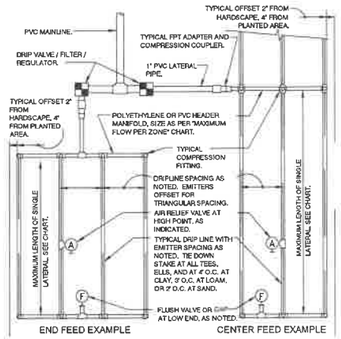
4 DRIP MULTI-OUTLET EMITTER ON PVC RISER

3" = 1'-0" FX-IR-FX-EMIT-07



5 TYPICAL DRIPLINE REQUIREMENTS

N.T.S.



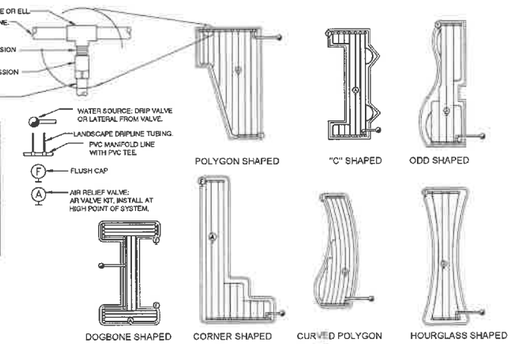
MAXIMUM LATERAL LENGTH (FEET)						
	EMITTER FLOW RATE GPH					
	12" SPACING		18" SPACING		24" SPACING	
PSI	0.5	0.9	0.5	0.9	0.5	0.9
10	125	99	175	135	215	171
20	249	191	350	271	442	340
30	307	256	434	355	550	422
40	350	288	495	380	627	171
50	125	99	175	135	215	171
60	125	99	175	135	215	171

GRID PRECIPITATION RATES (IN/HR)			
		EMITTER FLOW RATE	
EMITTER SPACING	LATERAL SPACING	0.5	0.9
12	12	0.98	1.44
18	18	0.59	1.05
24	24	0.28	0.41

LATERAL FLOW PER 100 FT (GPM)			
EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING
0.5 GPH	1.0 GPM	0.67 GPM	0.50 GPM
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM

MAXIMUM FLOW PER ZONE		
	MAX GPM	PSI LOSS
SCHEDULE 40 PVC HEADER SIZE		
1/2"	4.7 GPM	7.7 PSI
3/4"	8.3 GPM	5.6 PSI
1"	13.5 GPM	4.2 PSI
1-1/2"	29.0 GPM	2.9 PSI
2"	52.4 GPM	1.0 PSI
POLY PIPE HEADER SIZE		
1/2"	4.7 GPM	6.6 PSI
3/4"	8.3 GPM	6.3 PSI
1"	13.5 GPM	4.6 PSI
1-1/2"	31.8 GPM	2.0 PSI
2"	52.4 GPM	3.2 PSI

SLOPED CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. INCRIMAL SPACING WITHIN THE TOP ⅓ OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM ⅓ OF THE SLOPE.
5. WHEN THE ELEVATION CHANGE IS 10FT OR MORE, ZONE THE BOTTOM ⅓ ON A SEPARATE VALVE.



WATER EFFICIENT LANDSCAPE WORKSHEET

Reference Evapotranspiration (ETo): 43.2
Project: Saban Crenshaw Clinic, Los Angeles, CA

Hydrozone # /Planting Description a	Plant Factor (PF)	Irrigation Method b	Irrigation Efficiency (IE) c	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU)
Regular Landscape Areas							
East Plant Beds - Zone 1	0.2	Drip	0.81	0.25	274.00	68.50	1,834.70
East Trees - Zone 2	0.2	Bubbler	0.81	0.25	50.00	12.50	334.80
West Plant Beds - Zone	0.2	Drip	0.81	0.25	409.00	102.25	2,738.66
West Trees - Zone 4	0.2	Bubbler	0.81	0.25	25.00	6.25	167.40
				Totals	758.00	189.50	5,075.57
Special Landscape Areas							
					-	-	0
						-	0
						-	-
						-	0
						-	0
				Totals	-	-	-
						ETWU Total	5,075.57
Maximum Allowed Water Allowance (MAWA)e							9,136.02

a **Hydrozone #/Planting Description**
E.g
1.) front lawn

b **Irrigation Method**
overhead spray
or drip

c **Irrigation Efficiency**
0.75 for spray head
0.81 for drip

d **ETWU (Annual Gallons Required)**
= Eto x 0.62 x ETAF x Area
where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

e **MAWA (Annual Gallons Allowed)**
= (Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]
where 0.62 is a conversion factor that converts acre- inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is .55 for residential areas and 0.45 for non-residential areas.

ETAF Calculations:
Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas

Total ETAF x Area (B+D)	189.50
Total Area (A+C)	758.00
Sitewide ETAF (B+D) ÷ (A+C)	0.25

Regular

Total ETAF x Area (B)	189.50
Total Area (A)	758.00
Average ETAF (B ÷ A)	0.25

EXHIBIT "A"
Page No. 20 of 20
Case No. DIR-2025-716-SPPC

IDS IRRI DESIGN STUDIO IRRIGATION DESIGN & CONSULTING

PLANNING SUBMITTAL 12/2/24

HOUSTON / TYNER

LandDesign
100 S. ORANGE AVE., SUITE 200
ORLANDO, FL 32801
407.270.7800
WWW.LANDDESIGN.COM

LICENSED LANDSCAPE ARCHITECT
No. 6066
Expiration
01-31-2025
Renewal Date
10-29-2024
Date
STATE OF CALIFORNIA

Architecture
Interior Design

2630
Sepulveda Blvd
Torrance
California
90505
TEL 310
326-3050
FAX 310
326-8605

SABAN COMMUNITY CLINIC
2617 South Crenshaw Blvd.
Los Angeles, CA 90016

PRIMARY CARE, DENTAL AND BEHAVIORAL HEALTH CENTER

IRRIGATION DETAILS

L5-03