PLAN VIEW

SCALE: 1" : 10'-0"

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF AND ANY DAMAGE TO THESE LINES OR STRUCTURES.

THE CONTRACTOR SHALL EXCAVATE INSPECTION HOLES (POT HOLES) AND DETERMINE THE LOCATION AND DEPTH OF ALL UNDERGROUND STRUCTURES AND UTILITIES THAT ARE BEING JOINED WITH NEW IMPROVEMENTS, ARE IN THE VICINITY OF, OR THAT MAY BE AFFECTED BY THE PROPOSED IMPROVEMENT WORK PRIOR TO THE START OF ANY CONSTRUCTION WORK WHICH COULD DAMAGE OR CONFLICT WITH SAID STRUCTURES OR UTILITIES.

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

LANDSCAPE BOULDER LEGEND OF ABBREVIATIONS

SYMBOL	BOULDER #	SIZE	MATERIAL	MANUFACTURER	COMMENTS	DETAIL/SHEET
	1	1' X 2' X 3'	BOULDER/ COLOR: DESERT SELECT	SOUTH WEST BOULDER PH: 760-451-3333	CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL BY OWNER REP. AND LANDSCAPE ARCHITECT.	DETAIL D - SHEET LPD.1
	2	2' X 4' X 3'				
	3	3' X 3' X 3'				

NOTE: CONTRACTOR SHALL CONTACT OWNER REP. FOR FIELD LOCATION OF SAID BOULDERS. REFER TO BOULDER DETAIL. BOULDER PLACEMENT (GROUPINGS) SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT PRIOR TO PLACEMENT.

BOULDER CALLOUT

— BOULDER REFERENCE NUMBER PER LEGEND
BOULDER

LANDSCAPE CONSTRUCTION LEGEND

	SYMBOL	MATERIAL	MANUFACTURER	SQ. FT.	COMMENTS	DETAIL/SHEET
A	NO SYMBOL SHOWN	3" THICK MULCH LAYER TO BE INSTALLED IN ALL PLANTERS WITHOUT DRY STREAM BED,GRAVEL, OR BIOSWALES.		+/- 3,163 S.F.	CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL BY OWNER REP. AND LANDSCAPE ARCHITECT.	
B		3/4" - 1" ANGULAR STONE FOR GROUND PLANE SUBMIT LOCALLY AVAILABLE OR EQUAL BID PURPOSES: GOLD DUST CRUSHED ROCK BY SOUTHWEST BOULDER	SOUTH WEST BOULDER PH: 760-451-3333	+/- 3,219 S.F.	CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL BY OWNER REP. AND LANDSCAPE ARCHITECT.	DETAIL F - SHEET LPD.1
C		4"-8" ANGULAR COBBLE FOR DRY STREAM BED SUBMIT LOCALLY AVAILABLE OR EQUAL BID PURPOSES: SOUTHWEST BROWN CRUSHED ROCK BY SOUTHWEST BOULDER	SOUTH WEST BOULDER PH: 760-451-3333	+/- 611 S.F.	CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL BY OWNER REP. AND LANDSCAPE ARCHITECT.	DETAIL E - SHEET LPD.1

DIGALERT
Call 2 Working Days Before You Dig!
811

N W E S

10' 5' 0' 10' 20' 30'
SCALE: 1" : 10'
GRAPHIC SCALE

CONSTRUCTION ELEMENTS REFERENCE

REFER TO CIVIL SHEET C9 AND SUBSEQUENT DETAILS FOR SITE CONSTRUCTION RELATED ITEMS INCLUDING BUT NOT LIMITED TO HARDSCAPE, WALLS, FENCING, ETC.

the Habit BURGER GRILL

Seal

LICENSED LANDSCAPE ARCHITECT
BRANDON PETRUNIO
5894
Signature
01/31/2027
Renewal Date
6/29/2025
Date
STATE OF CALIFORNIA

Consultant- Landscape Architect

BPA LANDSCAPE ARCHITECTS
BRANDON PETRUNIO & ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
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105 POMEROY AVE
UKIAH, CA
STORE #: XXX

LANDSCAPE CONSTRUCTION PLAN

Project Number: 24-253
Plan Check Number:

SHEET
LC.1

GENERAL IRRIGATION NOTES

1. NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE AND THE CITY/ COUNTY INSPECTORS (PLANNING, BUILDING, WATER,HEALTH, ETC) 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES, AND CONFIRM ANY OUTSTANDING PERMITS OR SUBMITTALS. COORDINATE WITH OWNERS REP AND LANDSCAPE ARCHITECT ANY OUTSTANDING ITEMS.

2. ALL DIMENSIONS & CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR ON THE JOB SITE. ANY DISCREPANCIES OR OMISSIONS SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECTS AND OWNERS REPRESENTATIVE ATTENTION PRIOR TO COMMENCEMENT OF WORK.

3. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, SLOPES, LOCATION OF WALLS, CURBS, ETC. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR LOCATION OF PIPE SLEEVES THROUGH WALLS AND FOOTINGS, UNDER ROADS, PAVING AND STRUCTURES.

4. IRRIGATION PLANS ARE DESIGNED AS DIAGRAMMATIC AND APPROXIMATE. ALL IRRIGATION EQUIPMENT, SPRINKLERS AND PIPE ARE TO BE INSTALLED IN LANDSCAPED AREA WHEREVER POSSIBLE UNLESS WRITTEN AUTHORIZATION IS RECEIVED PRIOR TO PLACEMENT. NO IRRIGATION EQUIPMENT SHALL BE LOCATED IN HARDSCAPE. THE IRRIGATION CONTRACTOR SHALL ENSURE NO OVERSPRAY ONTO HARDSCAPE, STREETS, WALLS OR ANY OTHER HARDSCAPE / STRUCTURE. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES.

5. MAINLINE SHOWN WITHIN PAVING FOR DRAWING CLARITY ONLY, ACTUAL MAINLINE LOCATION TO BE A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES TYP.

10. ELECTRIC CONTROL VALVES AND ISOLATION VALVE LOCATIONS ON THIS DRAWING ARE APPROXIMATE. THE LANDSCAPE CONTRACTOR SHALL STAKE OUT EACH ELECTRICAL CONTROL VALVE AND ISOLATION VALVE LOCATION FOR REVIEW AND APPROVAL BY OWNER PRIOR TO INSTALLATION OF ALL VALVES. FINAL LOCATION AND EXACT POSITIONING FOR ELECTRIC CONTROL VALVES AND ISOLATION VALVES SHALL BE DETERMINED BY THE OWNER. MINOR MODIFICATIONS OF ELECTRIC CONTROL VALVES AND ISOLATION VALVE LOCATIONS AS REQUESTED BY THE OWNER SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. FAILURE TO OBTAIN OWNER'S APPROVAL PRIOR TO THE INSTALLATION SHALL CAUSE THE CONTRACTOR TO MAKE OWNER DIRECTED REVISIONS AT NO ADDITIONAL COST TO THE OWNER. IN GENERAL, UNLESS OTHERWISE DIRECTED BY OWNER, ALL VALVES SHALL BE INSTALLED THREE FEET FROM EDGE OF HARDSCAPE, WALK OR CURB IN SHRUB PLANTING AREAS.

11. DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS, GRADE DIFFERENCES OR FIELD/PLAN DIMENSIONS EXIST AND SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR REVISIONS NECESSARY AND ALL COSTS FOR REVISIONS NECESSARY FOR A COMPLETE INDUSTRY ACCEPTABLE WORKING SYSTEM.

12. THE IRRIGATION SYSTEM DESIGN IS BASED UPON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE IRRIGATION DRAWINGS AT EACH POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION SHALL BE IMMEDIATELY REPORTED IN WRITING TO THE OWNER'S AUTHORIZED REPRESENTATIVE. IF THE PRESSURE DIFFERENCES ARE NOT IMMEDIATELY REPORTED PRIOR TO BEGINNING CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS TO THE IRRIGATION SYSTEM DEEMED NECESSARY BY THE OWNER'S REPRESENTATIVE AND ALL COSTS ASSOCIATED WITH SAID REVISIONS.

13. THE IRRIGATION CONTRACTOR MUST PERFORM AND DOCUMENT IN WRITING A PRE-JOB/ KICK-OFF MEETING WITH THE MANUFACTURER REPRESENTATIVES OF SPECIAL EQUIPMENT INCLUDING BUT NOT LIMITED TO DRIP TUBING, CONTROLLER & BOOSTER PUMP MANUFACTURER TO GO OVER SITE SPECIFIC ITEMS, LAYOUT AND RECEIVE PROPER TRAINING. IF IRRIGATION CONTRACTOR FAILS TO PERFORM REQUIRED MEETING, CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS TO THE IRRIGATION SYSTEM DEEMED NECESSARY BY THE OWNER'S REPRESENTATIVE AND ALL COSTS ASSOCIATED WITH SAID REVISIONS.

14. MAINLINE PIPING BETWEEN THE POINT OF CONNECTION, METER AND BACKFLOW PREVENTER TO BE OF MATERIAL AS REQUIRED BY GOVERNING WATER DISTRICT.

15. CONTRACTOR SHALL USE HEAVY BODY GRAY GLUE (WELD-ON 711 OR EQUAL) WITH PVC PRIMER (P-70 OR EQUAL) ON ALL GLUED JOINTS. NO RED HOT BLUE GLUE ALLOWED. TEFLON TAPE SHALL BE APPLIED TO ALL MALE THREADS AS REQUIRED BY MANUFACTURER. NO PIPE DOPE ALLOWED.

16. ALL PIPES AND WIRES THAT RUN UNDER HARDSCAPE ARE TO BE SLEEVED IN SCH. 40 PVC SLEEVES ACCORDING TO PURVEYING (DISTRICT, CITY, ETC.) STANDARDS, SPECS AND AS INDICATED IN THE SLEEVING CHART UNLESS WRITTEN AUTHORIZATION IS RECEIVED PRIOR TO ELIMINATING ANY SECTIONS.

17. ALL CONTROL WIRES SHALL BE 14 AWG SINGLE CONDUCTOR DIRECT BURIAL WIRE (PAIGE P7079D OR EQUAL. RCV=BLACK, COMMON=WHITE, MV=RED, MV COMMON= WHITE RED STRIPE, STUB-OUT WIRES=ORANGE). FOR MULTIPLE CONTROLLERS USE DIFFERING COLOR PER CONTROLLER. FLOW SENSOR WIRE MUST BE SHIELDED + ARMORED PAIR (PAIGE P7162D OR APPROVED EQUAL). WIRE SPLICES MUST USE WEATHERPROOF GEL FILLED SPLICE KIT (3M DBY OR APPROVED EQUAL)

18. PROVIDE A MINIMUM OF TWO (2) EXTRA SPARE WIRES FOR EACH GROUP OF TEN (10) CONTROL VALVES AND ALSO TO EACH END OF MAINLINE RUN. LOOP SPARE WIRE IN A NEARBY VALVE BOX WITH MINIMUM 2' OF COILED WIRE. SPARE WIRES SHALL BE A DIFFERENT COLOR THAN REMOTE CONTROL VALVE WIRES. LABEL WIRES "SPARE" AT BOTH ENDS.

19. CONTROLLER LOCATION SHOWN ON THIS DRAWING IS APPROXIMATE. THE LANDSCAPE CONTRACTOR SHALL STAKE OUT THE CONTROLLER LOCATION FOR REVIEW AND APPROVAL BY THE OWNER PRIOR TO INSTALLATION OF THIS EQUIPMENT. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ELECTRICAL CONNECTION FROM 120 VOLT POWER SOURCE TO THE CONTROLLER AND ALL WIRE CONNECTIONS FROM ALL VALVES AND APPURTENANCE VALVES TO TERMINAL STRIP. REFER TO ELECTRICAL ENGINEER'S DRAWING'S FOR POWER SOURCE. ALL ELECTRICAL WORK SHALL CONFORM TO LOCAL STATE AND NATIONAL ELECTRICAL CODES AND REGULATIONS. FINAL LOCATION AND EXACT POSITIONING OF THE CONTROLLER SHALL BE DETERMINED BY THE OWNER. MINOR MODIFICATIONS OF CONTROLLER REQUESTED BY THE OWNER SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. FAILURE TO OBTAIN OWNER'S APPROVAL PRIOR TO THE INSTALLATION SHALL CAUSE THE CONTRACTOR TO MAKE OWNER DIRECTED REVISIONS AT NO ADDITIONAL COST TO THE OWNER.

20. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR FLUSHING ALL LINES AND ADJUSTING ALL HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER-SPRAY ONTO UN-INTENDED AREAS (WALKS, & BUILDINGS). ADJUSTMENT SHALL INCLUDE BUT NOT LIMITED TO THE ADDITION OF "PRS" SCREENS, ADJUSTABLE ARC NOZZLES (HE VERSIONS ONLY), ADJUSTING PRESSURE REGULATOR AT THE VALVE TO BE NO GREATER THAN 5PSI ABOVE THE INDICATED HEAD PRESSURE AT THE FARTHEST HEAD. FOR ADDITIONAL HEADS WHERE VERTICAL ELEMENTS IN FIELD BLOCK SPRAY PATTERN AND ADDING INLINE CHECK VALVES WHERE LOW HEAD DRAINAGE OCCURS AT NO EXTRA COST TO THE OWNER.

21. IRRIGATION CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT/ OWNERS REPRESENTATIVE MINIMUM 72 HOURS PRIOR TO ANY REQUEST OF FIELD OBSERVATIONS. FIELD OBSERVATIONS SHALL OCCUR AT THE FOLLOWING MILESTONES:
    A. COVERAGE TEST ONCE ALL IRRIGATION IS INSTALLED. NO PLANTING MAY OCCUR UNTIL REVIEW HAS BEEN COMPLETED AND IRRIGATION SYSTEM APPROVED.
    B. UPON COMPLETION OF PLANTING AND IRRIGATION FOR SUBSTANTIAL COMPLETION ISSUANCE.
    C. UPON COMPLETION OF MAINTENANCE PERIOD FOR FINAL WALK AND RELEASE OF MAINTENANCE.

POT HOLE AND SITE PREP. NOTE:

CONTRACTOR SHALL POT HOLE, LOCATE AND IDENTIFY THE SIZE AND LOCATION OF ALL EXISTING ITEMS INCLUDING BUT NOT LIMITED TO MAINLINE, VALVES, SLEEVES, AND LATERALS PRIOR TO START OF DEMOLITION. ALL AFFECTED SYSTEMS ARE TO BE CUT BACK, ISOLATED AND CAPPED TO MINIMIZE IMPACT TO ADJACENT EXISTING LANDSCAPE AREAS DURING THE DEMOLITION AND CONSTRUCTION PROCESS.

IRRIGATION DEMO NOTE:

CONTRACTOR TO DEMO ALL IRRIGATION COMPONENTS WITHIN FIELD AREA NOTED TO BE REPLACED WITH NEW INCLUDING BUT NOT LIMITED TO VALVES (TURN OVER TO DISTRICT), HEADS AND SWING JOINTS (TURN OVER TO DISTRICT), LATERALS (TO BE ABANDONED IN PLACE), ETC. CONTRACTOR SHALL KEEP ALL SYSTEMS ON OUTSIDE OF SCOPE OPERATIONAL AND SHALL NOT LEAVE SITE WITHOUT WATER LONG THAN A 48 HOUR PERIOD.

NETAFIM INSTALLATION NOTE:

DRIP TUBING SHALL BE INSTALLED IN THE FOLLOWING MANNER, NO EXCEPTIONS UNLESS CONFIRMED IN WRITING BY LANDSCAPE ARCHITECT PRIOR TO START OF CONSTRUCTION.

a. PRE-CON MEETING SHALL BE PERFORMED WITH NETAFIM REPRESENTATIVE WITH ALL CONTRACTOR PERTINENT STAFF FOR INSTALLATION TRAINING PRIOR TO START OF CONSTRUCTION. (BILL MILWARD 951.287.4630)
b. DRIPLINE TUBING SHALL BE INSTALLED PRIOR TO PLANT MATERIAL AND LAYOUT SHALL BE VISUALLY VERIFIED AND CONFIRMED BY LANDSCAPE ARCHITECT.
c. CONTRACTOR SHALL BURY ALL DRIPLINES AT 4"' CONSTANT DEPTH BY MEANS OF SOIL REMOVAL AND STOCKPILE WITHIN PLANTER AND REPLACEMENT AFTER INSTALLATION, EXCEPT WHERE EXISTING ROOTS ARE PRESENT.
d. CONTRACTOR SHALL INSTALL 6" METAL WIRE STAPLES (RAINBIRD MODEL #TDS-050) 3'-4' ON CENTER, AND TWO STAPLES TO BE INSTALLED AT EVERY CHANGE OF DIRECTION.
e. ONCE ALL SYSTEMS HAVE BEEN INSTALLED, CONTRACTOR SHALL PROVIDE PRESSURE TEST ON ALL DRIP SYSTEMS, SUBMIT PLAN INDICATING PRESSURES FOR ALL SYSTEMS @ VALVE AND @FLUSH VALVE. VERIFY MAX 15% DIFFERENTIAL BETWEEN THE READINGS (MINIMUM SYSTEM PRESSURE @ FLUSH VALVE SHALL BE CV=15 PSI; HCVXR=22 PSI.)

PRE-CONSTRUCTION SITE WALK AND DOCUMENTATION:

CONTRACTOR SHALL WALK SCOPE AND AREAS JUST BEYOND, OPERATE ALL COMPONENTS AND DOCUMENT ANY DEFICIENCIES OBSERVED IN WRITING AND WITH SUPPORTING PHOTOS. PACKAGE SHALL BE PROVIDED TO OWNER AND LANDSCAPE ARCHITECT. ANY ITEMS DEEMED NON-OPERATIONAL AT TURN OVER WALK THAT WAS NOT DOCUMENTED IN INITIAL REPORT, SHALL BE DEEMED TO HAVE OCCURRED DUE TO CONSTRUCTION AND SHALL BE REPAIRED OR REPLACED (INCLUDING AFFECTED PLANT MATERIAL) AT NO COST TO OWNER.

SITE VERIFICATION NOTE:

CONTRACTOR SHALL VERIFY AND BECOME FAMILIAR WITH THE SITE AND THE ITEMS ASSOCIATED WITH THEIR SCOPE OF WORK INCLUDING BUT NOT LIMITED TO CONTROLLER LOCATION, MAINLINE LOCATION, OPEN STATIONS ON CONTROLLER, WIRE RUNS, ETC. CONTRACTOR SHALL PROCEED AS STATED PRIOR TO BIDDING AND AGAIN PRIOR TO START OF CONSTRUCTION.

IRRIGATION MATERIAL LEGEND - HABIT

EMISSION DEVICES

SYMBOL	MANUF.	MODEL	DEGREES	TYPE	GPM	PSI	RADIUS	DTL. REF.
BUBBLERS								
	SALCO	SLV-PSTM-CV-1	360	LV BUBBLER	1 GPH	30	N/A	O / SHEET LID.3
	INSTALL 1 BUBBLER PER SYMBOL, 1 PER SHRUB							
	BOWSMITH	FD-2010	360	T. BUBBLER	1 GPH*6	30	N/A	I / SHEET LID.2 B / SHEET LPD.1
	INSTALL 1 BUBBLER PER SYMBOL, 1 PER PLANT, SPREAD OUT TUBING EMITTER AROUND TREE ROOTBALL.							
DRIP TUBING								
	NETAFIM SHRUBS	TLCV6-1810	LINEAR	S. BUBBLER	.6 GPH @ 18" OC	30	N/A	J-N / SHEET LID.2
	PSI COMP. DRIPPERLINE W/ CHECK VALVE. TECHLINES SHALL BE SPACED APPROX. 4" OFF PERIMETER EDGE AND 18" O.C. (12" O.C. TURF) AS SHOWN PER PLAN. HEADERS (SUPPLY& EXHAUST) SHALL BE 3/4" PVC PIPE UNLESS OTHERWISE NOTED. CHECK VALVE HOLDS BACK 4.6' OF WATER (HCVXR 8.5' OF WATER). ALL FITTINGS SHALL BE TECHLOCK AS NEEDED.							

DISTRIBUTION COMPONENTS

SYMBOL	MANUF.	MODEL	DESCRIPTION	DTL. REF.
—1.5"IRR—			1" SERVICE LINE W/ 1" IRRIGATION DEDICATED WATER METER AND 1" IRRIGATION BACKFLOW PREVENTER (REDUCED PRESSURE REFER TO CIVIL PLANS FOR MANIFOLD CONNECTION.	
	WILKINS	1"- 375XLS	REDUCE PRESSURE BACKFLOW PREVENTER WITH WYE STRAINER. PLACE IN VIT STRONG BOX ENCLOSURE MODEL:SBBC-22CR W/ POLAR BEARIER MODEL: PBB-22 ADJUST SIZE AS REQUIRED	C / SHEET LID.1
MV	RAINBIRD	100PESB	1" NORMALLY CLOSED MASTER VALVE, INSTALL IN PLANTER AREAS - TYPICAL	E / SHEET LID.1
FS	CREATIVE SENSOR TECHNOLOGY	FSI-T10-001	1" TEE TYPE IMPELLER FLOW SENSOR (FLOW FROM .85-20 GPM). 1 GALLON PER PULSE.	E / SHEET LID.1
	SPEARS	1821-0x0SR	TRUE UNION SCH. 80 PVC BALL VALVE WITH STEEL REINFORCED THREAD AND EPDM SOFT GOODS (LINE SIZE)	H / SHEET LID.1
	BUCKNER	7643BS	1" ACME THREAD QUICK COUPLER VALVE WITH YELLOW LOCKING COVER FOR POTABLE WATER USE. SUPPLY 7641BS ACME KEY AND (SH-0) HS075 SWIVEL.	D / SHEET LID.1
	RAINBIRD	100PEB-PRS-D	REMOTE CONTROL VALVE WITH ALL PURPOSE SOLENOID INSTALL IN PLANTER AREAS - TYPICAL	F / SHEET LID.1
	RAINBIRD	100PESB + PRB-QKCHK-100	WIDE FLOW COMMERCIAL CONTROL ZONE KIT, 1" REMOTE CONTROL VALVE AND PRESSURE REGULATING QUICK CHECK BASKET FILTER INSTALL HUNTER SINGLE STATION DECODER MODEL: ICD-100	G / SHEET LID.1
I	HUNTER/ GPH	ECO-ID-12/ GDFN	OPERATION/ PRESSURE INDICATOR STAKE AND TEST PORT.	M / SHEET LID.2
F	SPEARS	2000 COMPACT	LINE FLUSHING VALVE IN ROUND VALVE BOX. LINE SIZE	L / SHEET LID.2
	P.V.C.	SCH 40 MIN PIPE SIZE ¾"	NON-PRESSURE LATERAL LINE WITH SCH. 40 FITTINGS. THREADED FITTINGS SHALL BE SCH. 80 (SIZE PER PLAN)	B / SHEET LID.1
	P.V.C.	SCH. 40	PRESSURE MAINLINE 3/4" THRU 1 1/2" THREADED FITTINGS SHALL BE SCH. 80 (SIZE PER PLAN),	A&B / SHEET LID.1
	P.V.C.	SCH. 40	SLEEVE FOR PRESSURE MAINLINE (TWO X THE DIA. OF PIPE) TO BE INSTALLED ON ALL HARDSCAPE AREAS	A / SHEET LID.1
A R	RAINBIRD ESP-ME3 CONTROLLER IN FRONT ENTRY WALL MOUNT ENCLOSURE WITH RAIN SENSOR AND ETHERNET SMART CONNECTION AS SUPPLIED BY IMPERIAL TECHNICAL SERVICES			P+Q / SHEET LID.3

ITS MODEL NUMBER: ICA18-RB7-7/SP/LNK2WF/WRS/IFS-100C

- 120 V. ELECTRICAL LINE (DEDICATED CIRCUIT) SHALL BE SUPPLIED BY GENERAL CONTRACTOR .
- CONTRACTOR SHALL INSTALL CONTROLLER PER MANUFACTURER'S RECOMMENDATIONS.
- CONTACT DARYL GREEN @ 949-584-7311 FOR ORDERING/ CERTIFICATION AND QUESTIONS.
- KEEP 18" AREA IN FRONT OF CONTROLLER CLEAR WITH DG OR MULCH ON GROUND PLANE.

NOTE:
- IRRIGATION SYSTEM IS SHOWN DIAGRAMMATICALLY AND SHALL BE INSTALLED IN PLANTER AREAS.
- INSTALL IRRIGATION EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND LOCAL GOVERNING MUNICIPALITY.
- CONTRACTOR SHALL INSTALL ALL COMPONENTS WITHIN ALL INCLUDING BUT NOT LIMITED TO LOCAL, STATE, AND COUNTY HEALTH AND WATER DEPARTMENT REGULATIONS.
- CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE DONE TO EXISTING SYSTEM DURING CONSTRUCTION.
- EXISTING IRRIGATION SYSTEM SHALL NOT BE SHUT OFF FOR MORE THAN 48 HOURS. IF A LONGER PERIOD IS NECESSARY, CONTRACTOR SHALL BE RESPONSIBLE FOR HAND WATERING ANY DAMAGE TO EXISTING PLANT MATERIAL SHALL BE REPLACE AT CONTRACTORS EXPENSE.
- ALL LATERAL SYSTEMS SHALL BE 3/4" PIPE UNLESS OTHERWISE NOTED PER PLAN.
- NO OTHER PIPE OR OTHER TRADES ARE ALLOWED PARALLEL IN THE SAME IRRIGATION TRENCH.
- CONTRACTOR SHALL GUARANTEE IRRIGATION SYSTEM FOR A PERIOD OF ONE YEAR AFTER INSTALLATION.
- CONTRACTOR SHALL COVER DRIP TUBING BELOW THE SOIL WITH APPROXIMATELY 4 INCHES OF SOIL COVER
- CONTRACTOR SHALL BRAND THE LIDS OF ALL BOXES IN 2" HIGH BLOCK LETTERS WITH CONTROLLER AND VALVE NUMBER
- CONTRACTOR SHALL APPLY TEFLON TAPE TO ALL THREADED CONNECTIONS

IRRIGATION KEYNOTE LEGEND

1. CONNECT TO PROPOSED IRRIGATION DEDICATED WATER METER AND BACKFLOW PER CIVIL ENGINEERS PLANS. CONFIRM EXACT LOCATION IN FIELD, SIZE AND PRESSURE PRIOR TO START OF CONSTRUCTION AND NOTIFY LA IF DIFFERENT THAN INDICATED OR LESS THAN 75 PSI.
2. MAINLINE AND IRRIGATION COMPONENTS SHOWN IN HARDSCAPE FOR GRAPHIC REPRESENTATION PURPOSES ONLY, INSTALL IN PLANTER AREA WHEREVER POSSIBLE.
3. INSTALL RAIN SENSOR ON NEARBY LIGHT POLE WITH SCREWS OR DOUBLE STAINLESS STEEL STRAPS. PAINT TO MATCH POLE COLOR, DO NOT PAINT FIBER DISCS.
4. CONTROLLER LOCATION, CONFIRM WITH OWNER AND FIELD STAFF EXACT DESIRED LOCATION. MOUNT APPROXIMATELY 5' HIGH. VERIFY COMMUNICATION WITH RAIN SENSOR AND SETUP WIFI CONNECTION TO ONSITE WIFI.

WATER EFFICIENT LANDSCAPE STATEMENT

I HAVE COMPLIED WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE ORDINANCE (STATE OF CALIFORNIA TITLE 23, DIVISION 2, CHAPTER 2.7) AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

BRANDON PETRUNIO, ________ DATE: June 29, 2025
PLA CA 5894:

the Habit BURGER GRILL

Seal

LICENSED LANDSCAPE ARCHITECT
BRANDON PETRUNIO 5894
Signature
01/31/2027
Renewal Date
6/29/2025
Date
STATE OF CALIFORNIA

Consultant- Landscape Architect

BPA LANDSCAPE ARCHITECTS
BRANDON PETRUNIO & ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
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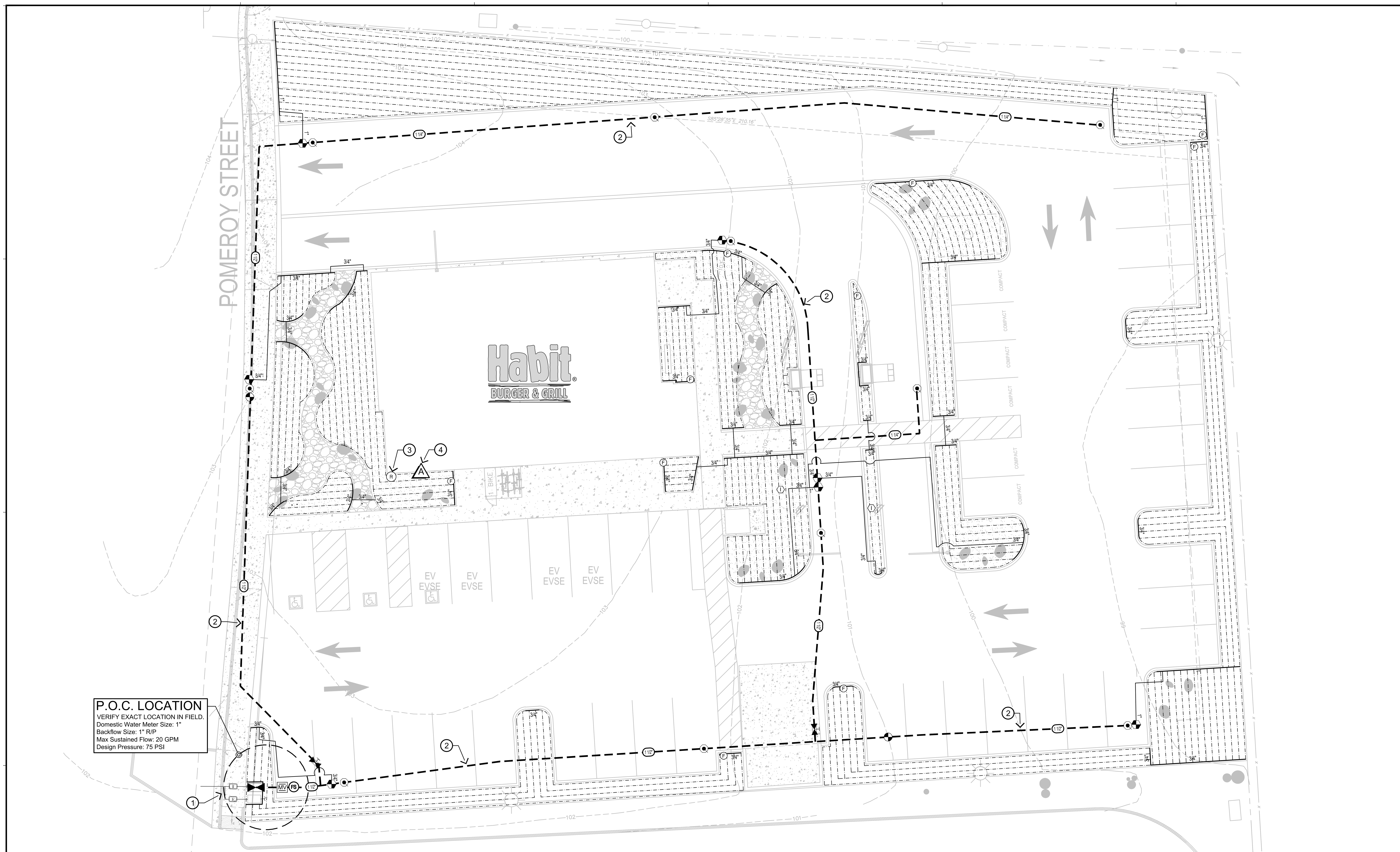
105 POMEROY AVE
UKIAH, CA
STORE #: XXX

LANDSCAPE IRRIGATION
NOTES + CALCS.

Project Number: 24-253
Plan Check Number:

SHEET

LI.0



PLAN VIEW

SCALE: 1" : 10'-0"

SCH 40 PVC SLEEVING CHART (WIRE OR PIPE)		
1 1/4" SLEEVE	1-4 WIRES	
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4" PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
4" SLEEVE	41-55 WIRES	2" PIPE
6" SLEEVE	56-99 WIRES	2 1/2" + 3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

Note: This chart serves as a general reference. Wire quantities may vary based on the coating thickness. The contractor is responsible for verifying and making any necessary adjustments in the field.

RCV SIZING CHART

RAINBIRD PEB SERIES

GPM	VALVE SIZE
0-22	1"
23-50	11/2"
51-99	2"

LINE SIZING CHART - SCH. 40

GPM	PIPE SIZE
5-8	3/4"
9-12	1"
13-22	11/4"
23-30	11/2"
30-50	2"
50-70	21/2"
70-110	3"
110-190	4"

DRIPLINE INTAKE/EXHAUST HEADER PIPE SIZING CHART

SUPPLY + EXHAUST HEADER MINIMUM SIZE OF 3/4 INCH.

FLOW RANGE	MINIMUM SIZE OF EXHAUST HEADER
0 THROUGH 5 GPM	MINIMUM SIZE SHALL BE 3/4 INCH
6 THROUGH 10 GPM	MINIMUM SIZE SHALL BE 1 INCH
11 THROUGH 15 GPM	MINIMUM SIZE SHALL BE 1-1/4 INCH
16 THROUGH 25 GPM	MINIMUM SIZE SHALL BE 1-1/2 INCH
26 THROUGH 50 GPM	MINIMUM SIZE SHALL BE 2 INCH

NOTE: CONTRACTOR SHALL SIZE ALL DRIPLINE SUPPLY/EXHAUST HEADERS PER PIPE SIZING CHART, IN NO INSTANCE SHALL PIPE SIZE EXCEED DESIGNATED GPM RANGE.

DIGALERT
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811

VALVE CALLOUT

- CONTROLLER & VALVE #
- XX HYDROZONE
- VALVE SIZE
- SQFT OF LANDSCAPE AREA
- GALLONS PER MINUTE

HYDROZONE:

TS	TURF SPRAY
TD	TURF DRIP
PTB	PALM TREE
TB	BUBBLERS TREE
SB	SHRUB BUBBLERS
SD	SHRUB DRIP TUBING
SS	SHRUB SPRAY
MP	MP ROTATORS
RT	ROTORS

IRRIGATION KEYNOTE LEGEND

1. CONNECT TO PROPOSED IRRIGATION DEDICATED WATER METER AND BACKFLOW PER CIVIL ENGINEERS PLANS. CONFIRM EXACT LOCATION IN FIELD, DEPTH, SIZE AND PRESSURE PRIOR TO START OF CONSTRUCTION AND NOTIFY LA IF DIFFERENT THAN INDICATED OR LESS THAN 75 PSI.
2. MAINLINE AND IRRIGATION COMPONENTS SHOWN IN HARDSCAPE FOR GRAPHIC REPRESENTATION PURPOSES ONLY, INSTALL IN PLANTER AREA WHEREVER POSSIBLE.
3. INSTALL RAIN SENSOR ON NEARBY LIGHT POLE WITH SCREWS OR DOUBLE STAINLESS STEEL STRAPS. PAINT TO MATCH POLE COLOR, DO NOT PAINT FIBER DISCS.
4. CONTROLLER LOCATION, CONFIRM WITH OWNER AND FIELD STAFF EXACT DESIRED LOCATION. MOUNT APPROXIMATELY 5' HIGH. VERIFY COMMUNICATION WITH RAIN SENSOR AND SETUP WIFI CONNECTION TO ONSITE WIFI.

IRRIGATION LEGEND AND NOTE REFERENCE:

- REFER TO SHEET LI.0 FOR IRRIGATION LEGEND & NOTES.
-

10' 5' 0' 10' 20' 30'
SCALE: 1" : 10'
GRAPHIC SCALE

the Habit BURGER GRILL

Seal
LICENSED LANDSCAPE ARCHITECT
BRANDON PETRUNIO
5894
Signature
01/31/2027
Renewal Date
6/29/2025
Date
STATE OF CALIFORNIA

Consultant- Landscape Architect
BPA LANDSCAPE ARCHITECTS
BRANDON PETRUNIO & ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
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105 POMEROY AVE
UKIAH, CA
STORE #: XXX

LANDSCAPE IRRIGATION PLAN
DRIP TUBING

Project Number: 24-253
Plan Check Number:

SHEET
LI.1

PLAN VIEW

SCALE: 1" : 10'-0"

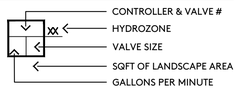
SCH 40 PVC SLEEVING CHART (WIRE OR PIPE)		
1 1/4" SLEEVE	1-4 WIRES	
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4" PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
4" SLEEVE	41-55 WIRES	2" PIPE
6" SLEEVE	56-99 WIRES	2 1/2" + 3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

Note: This chart serves as a general reference. Wire quantities may vary based on the coating thickness. The contractor is responsible for verifying and making any necessary adjustments in the field.

RCV SIZING CHART	
RAINBIRD PEB SERIES	
GPM	VALVE SIZE
0-22	1"
23-50	11/2"
51-99	2"

LINE SIZING CHART - SCH. 40	
GPM	PIPE SIZE
5-8	3/4"
9-12	1"
13-22	11/4"
23-30	11/2"
30-50	2"
50-70	21/2"
70-110	3"
110-190	4"

VALVE CALLOUT



HYDROZONE:
TS TURF SPRAY
TD TURF DRIP
PTB PALM TREE
TB BUBBLERS TREE
SB SHRUB BUBBLERS
SD SHRUB DRIP TUBING
SS SHRUB SPRAY
MP MP ROTATORS
RT ROTORS

IRRIGATION KEYNOTE LEGEND

1. CONNECT TO PROPOSED IRRIGATION DEDICATED WATER METER AND BACKFLOW PER CIVIL ENGINEERS PLANS. CONFIRM EXACT LOCATION IN FIELD, DEPTH, SIZE AND PRESSURE PRIOR TO START OF CONSTRUCTION AND NOTIFY LA IF DIFFERENT THAN INDICATED OR LESS THAN 75 PSI.
2. MAINLINE AND IRRIGATION COMPONENTS SHOWN IN HARDSCAPE FOR GRAPHIC REPRESENTATION PURPOSES ONLY, INSTALL IN PLANTER AREA WHEREVER POSSIBLE.
3. INSTALL RAIN SENSOR ON NEARBY LIGHT POLE WITH SCREWS OR DOUBLE STAINLESS STEEL STRAPS. PAINT TO MATCH POLE COLOR, DO NOT PAINT FIBER DISCS.
4. CONTROLLER LOCATION, CONFIRM WITH OWNER AND FIELD STAFF EXACT DESIRED LOCATION. MOUNT APPROXIMATELY 5' HIGH. VERIFY COMMUNICATION WITH RAIN SENSOR AND SETUP WIFI CONNECTION TO ONSITE WIFI.

IRRIGATION LEGEND AND NOTE REFERENCE:

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-

10' 5' 0' 10' 20' 30'

SCALE: 1" : 10'
GRAPHIC SCALE

DIGALERT
Call 2 Working Days Before You Dig!
811

the Habit BURGER GRILL

Seal

LICENSED LANDSCAPE ARCHITECT
PETRUNIO
Signature
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Date
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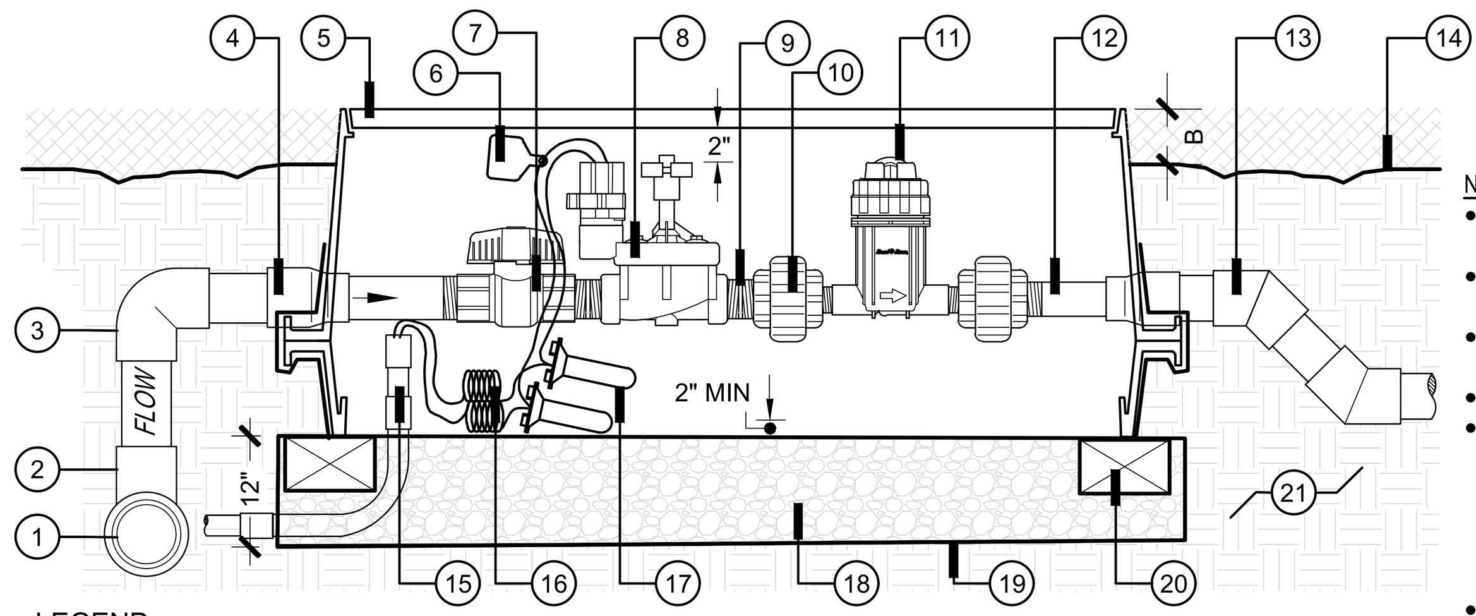
LANDSCAPE IRRIGATION PLAN
SPRAY AND BUBBLER

Project Number: 24-253
Plan Check Number:

SHEET
LI.2



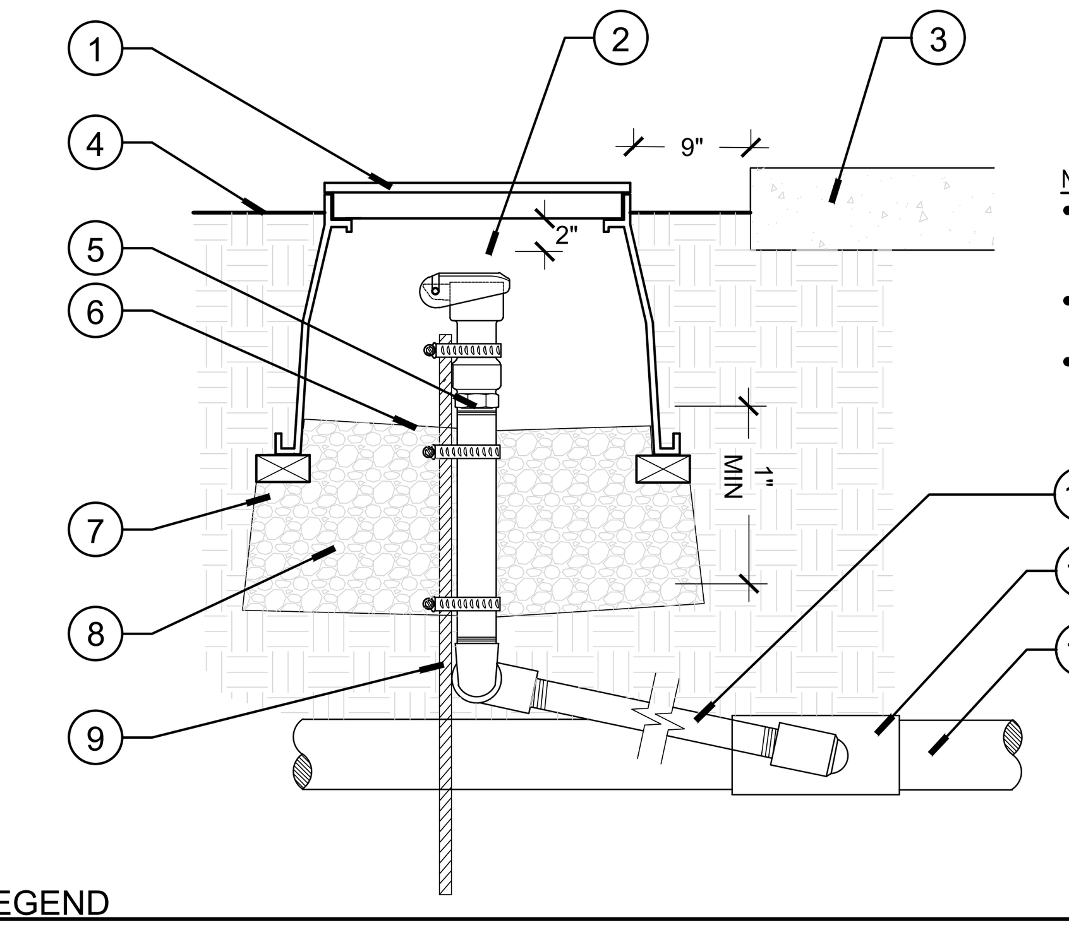
LEGEND

1. PRESSURE MAINLINE PER PLANS.
2. SCH. 80 PVC REDUCING TEE (REFER TO MANIFOLD NOTE).
3. SCH 80 PVC 90° SXS
4. SCH 40 REDUCING COUPLING. SEE NOTE B
5. JUMBO VALVE BOX (RAINBIRD VB-JMB-H W/ VB-JMB-B).
6. I.D. TAG WITH STATION NUMBER PRINTED ON IT (CHRISTY'S #ID-STD-Y1)
7. SCH. 80 BALL VALVE
8. RC VALVE PER LEGEND
9. SCH. 80 NIPPLES (SIZE PER VALVE)
10. SCH. 80 UNION (SIZE PER VALVE)
11. FILTER PER LEGEND.
12. SCH. 80 NIPPLE (CUT TO LENGTH)
13. SCH. 40 45° (TO LATERAL DEPTH)
14. FINISH GRADE
15. SCH. 40 CONDUIT, WHERE APPL. (SIZE PER CHART). CAP W/ COUPLING
16. TYPE UF DB WIRE- COIL 30" MIN.
17. WATERPROOF WIRE CONNECTOR(S)
18. 12" DEEP 3/4" GRAVEL SUMP.
19. LANDSCAPE FABRIC PER SPECS, FULLY INCASE SUMP AND BOX SIDES.
20. BRICK SUPPORT (4)
21. COMPACTED NATIVE SOIL
* 1/2" IN TURF AREAS, 2" IN SHRUB AREAS

NOTES:
- ALL THREADED FITTINGS SHALL RECEIVE TEFLON TAPE
- LAY BALL VALVE ON SIDE FOR EASE OF OPERATION
- HEAT BRAND "CONTROLLER & VALVE #" ON LID IN 2" HIGH BLOCK LETTERS
- PROVIDE LOCKING HARDWARE
- PER CONTRACTOR: EACH VALVE SHALL BE INDIVIDUAL CONNECTION TO MAINLINE -OR- LINE SIZE CAPACITY OF SUM GPM OF ALL VALVES ON MANIFOLD OR MAINLINE SIZE WHICHEVER IS LESS.
- 2" AND LARGER VALVES AND AS LARGER SIZE IS NEEDED USE SUPER JUMBO BOX (RAINBIRD VB-SPR-H + VB-SPR-B)
- PRESSURE REGULATOR MAY BE INSTALLED OUTSIDE OF VALVE BOX IF ADDITIONAL SPACE REQUIRED.

G DRIP VALVE, FILTER AND PRESSURE REGULATOR

SCALE: NTS



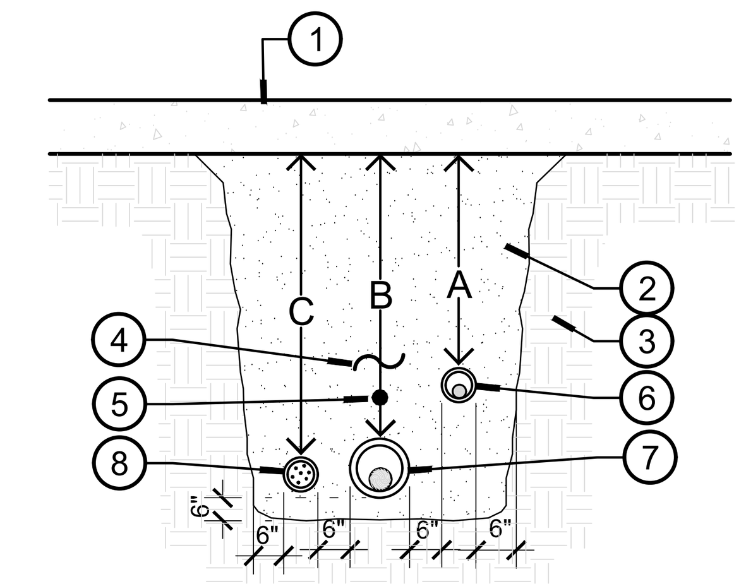
NOTES:
- ALL THREADED FITTINGS SHALL RECEIVE TEFLON TAPE
- HEAT BRAND "QC" ON LID IN 2" HIGH BLOCK LETTERS
- PROVIDE LOCKING HARDWARE

LEGEND

1. RAINBIRD (VB-10RND-P) VALVE BOX.
2. ACME QUICK COUPLER VALVE W/ PURPLE LOCKING COVER.
3. HARDSCAPE EDGE WHERE OCCURS
4. FINISHED GRADE. (TURF ½" / SHRUB 1 ½" BELOW)
5. BRASS NIPPLE (SIZE AND LENGTH AS NC.)
6. MIN. 3 - STAINLESS STEEL SCREW CLAMP
7. 2" X4" BRICK SUPPRT
8. 3/4" WASHED AGGREGATE, 1 CU. FT. MIN.
9. #4 REBAR STAKE (24" MIN)
10. LASCO SWING JOINT (PART#: G13S-218)
11. SCH. 80 TEE (UNLESS NOTED PER SPECS.)
12. PVC MAINLINE PER PLAN

D QUICK COUPLER

SCALE: NTS



NOTES:
- ALL IRRIGATION WIRES, LATERALS AND MAINLINE UNDER HARDSCAPE SHALL BE PLACED IN SLEEVES
- IRRIGATION CONTRACTOR SHALL COORDINATE ALL SLEEVING LOCATIONS & SIZES WITH HARDSCAPE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION
- ALL PIPE IN TRENCH TO HAVE A MIN OF 6" CLEARANCE ALL SIDES.
- SLEEVE USING SCH. 40 PVC PIPE, 2 TIMES THE DIAMETER OF THE PIPE AND/ OR WIRE BUNDLE CARRIED.
- CONTRACTOR SHALL MARK EDGE OF PAVING ABOVE ENDS OF SLEEVE W/ A SCORE MARK TO DESIGNATED SLEEVE LOCATION.
- SLEEVE ENDS SHALL EXTEND 24" BEYOND EDGE OF HARDSCAPE.
- AFTER INSTALLATION OF PIPE & WIRE, CONTRACTOR SHALL FILL REMAINING VOID IN ENDS OF SLEEVES W/ CONDUIT PUTTY OR OTHER APPROVED MATERIAL.
- EMPTY SLEEVES/CONDUITS SHALL RECEIVE A PULL ROPE WITH 24" LOOSE ROPE AT ENDS.

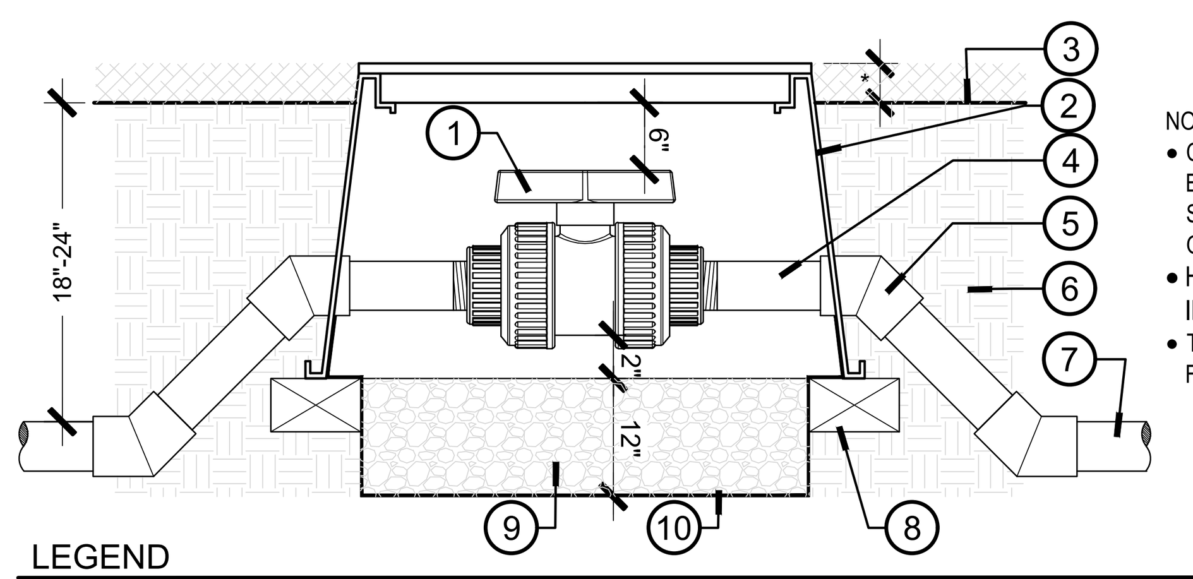
LEGEND

1. FINISH SURFACE (CONC./ AC. PAVING/ DG)
2. SAND/ CLEAN NATIVE SOIL BACKFILL. (SEE SPECS) COMPACTED TO MATCH SURROUNDING SOIL DENSITY PER SOILS ENGINEER.
3. UNDISTURBED NATIVE SOIL.
5. 3" METALLIC BACKED UNDERGROUND WARNING TAPE. (CHRISTY MODEL:TA-DT-3-BIRR).
6. GREEN COATED TRACER WIRE
7. NON-PRESSURE LATERAL IN SCH. 40 SLEEVE (SEE SPECS.
8. PRESSURE PVC MAINLINE IN SCH. 40 SLEEVE (SEE SPECS.)
9. CONTROL WIRES IN SCH. 40 ELECTRICAL CONDUIT (SEE SPECS) INSTALL BELOW MAINLINE.

DIMENSION	A	B	C
DEPTH BELOW GRADE- VEHICULAR DESIGNATION	36"	36"	36"
DEPTH BELOW GRADE - PEDESTRIAN AREAS	24"	24"	24"

A SLEEVING

SCALE: NTS



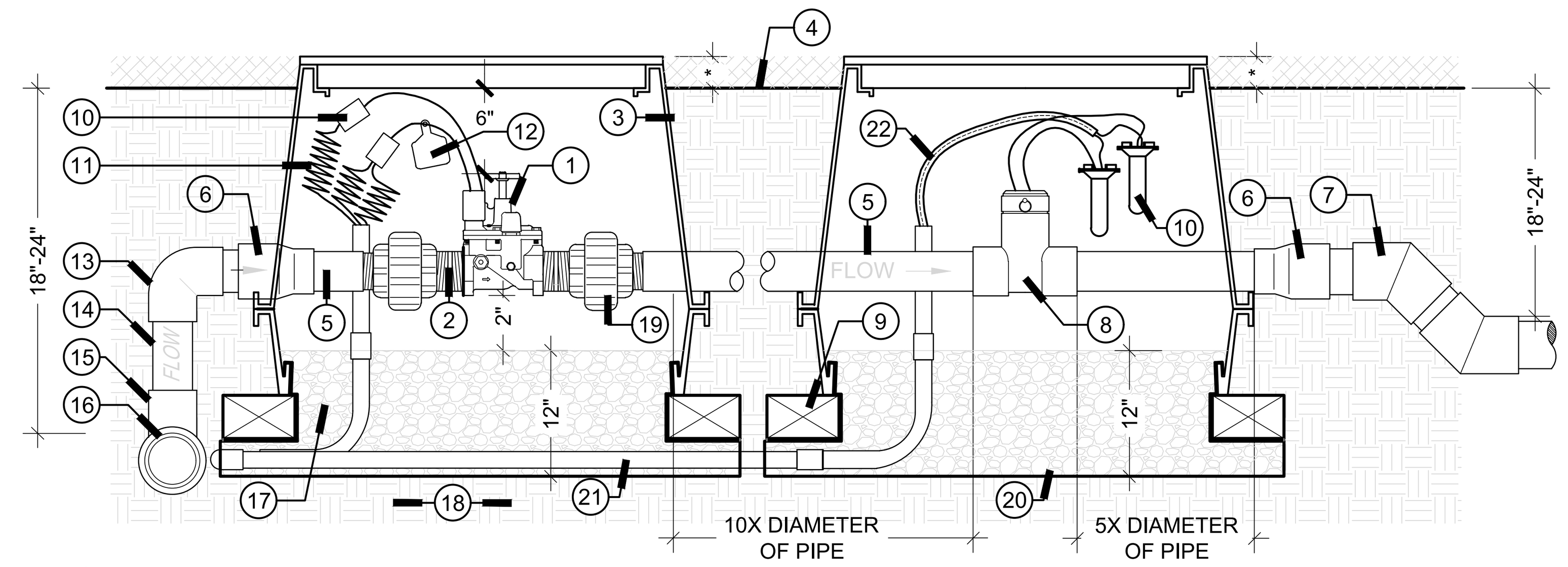
NOTES:
- CENTER VALVE BOX AROUND BALL VALVE TO ALLOW SPACE FOR FULL MOVEMENT OF THE BALL VALVE HANDLE.
- HEAT BRAND "BV" ON LID IN 2" HIGH BLOCK LETTERS
- TEFLON TAPE ALL THREADED FITTINGS

LEGEND

1. BALL VALVE PER IRRIGATION LEGEND (LINE SIZE, SPEARS 1821-0x0SR)
2. RECTANGULAR VALVE BOX (RAINBIRD VB-10RND-H)
3. FINISH GRADE
4. SCH 80 PVC TOE NIPPLE (2 REQUIRED)
5. SCH 40 PVC 45 DEGREE ELL (4 REQUIRED)
6. NATIVE SOIL
7. MAINLINE PIPING PER IRRIGATION LEGEND
8. COMMON BRICK SUPPORTS (4 REQUIRED)
9. FILL BASE OF BOX WITH 12" 3/4" ROCK
10. FILTER FABRIC - ENSURE ALL VALVE BOX HOLES ARE COVERED
* 1/2" IN TURF AREAS, 1" IN SHRUB AREAS

H BALL VALVE (TRUE UNION)

SCALE: NTS



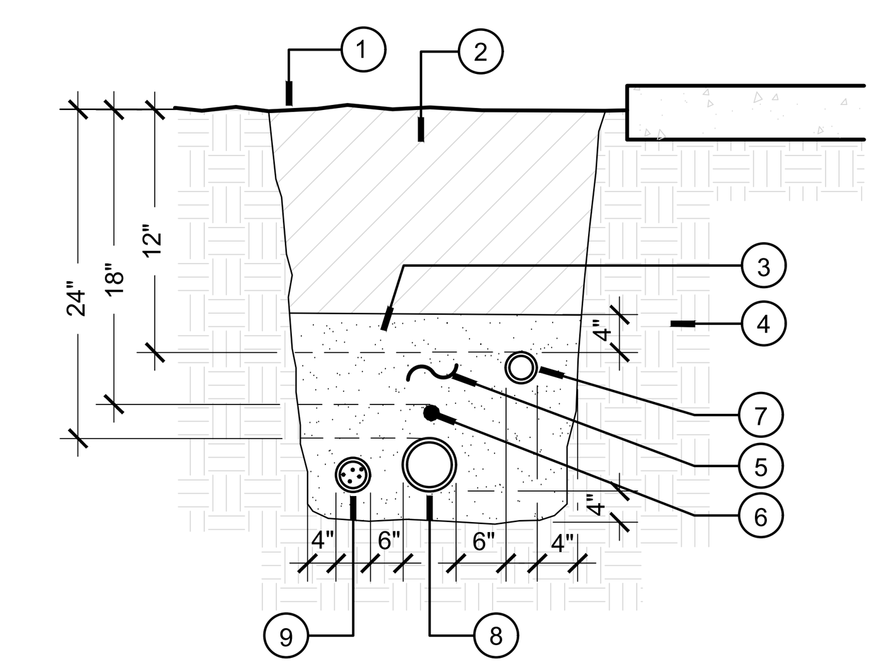
LEGEND

1. REMOTE CONTROL VALVE PER IRRIGATION LEGEND
2. SCH 80 PVC THREADED NIPPLE (2 REQUIRED)
3. RECTANGULAR VALVE BOX (RAINBIRD VB-JMB-H) & (RAINBIRD VB-JMB-B EXT. SNAP TO UPPER BOX).
4. FINISH GRADE
5. SCH. 80 NIPPLE (SIZE PER VALVE, CUT TO LENGTH)
6. SCH 80 REDUCING COUPLING (NO BUSHINGS, AS APPL)
7. SCH 80 PVC 45 DEGREE ELL
8. FLOW SENSOR PER LEGEND
9. SUPPORT - COMMON RED BRICK (4)
10. WATER PROOF WIRE CONNECTORS (4 REQUIRED)
11. 14 AWG SINGLE CONDUCTOR WIRE
12. I.D. TAG WITH "MV" (CHRISTY'S #ID-STD-Y1)
13. SCH 80 PVC 90 (SIZE PER MAIN, REFER TO PLAN)
14. RISER (SIZE PER MAIN, REFER TO PLAN)
15. REDUCING TEE (SCH. 80, LINE SIZE)
16. MAINLINE PIPING (REFER TO PLAN)
17. 3/4" GRAVEL DEPTH AS NOTED
18. COMPACTED NATIVE SOIL
19. SCH. 80 UNION (2 REQUIRED), LINE SIZE (TxT), (REPLACE WITH FLANGE FITTINGS WHERE APPLICABLE).
20. FILTER FABRIC (ENSURE ALL VALVE BOX HOLES ARE COVERED.)
21. 1 1/4" CONDUIT FROM CONTROLLER TO POC
22. 16 AWG PAIR SHIELDED & ARMORED WIRES (24" MIN)
* 1/2" IN TURF AREAS, 1" IN SHRUB AREAS

NOTES:
- ALL THREADED FITTINGS SHALL RECEIVE 2 WRAPS OF TEFLON TAPE.
- 2" AND LARGER VALVES SHALL USE SUPER JUMBO BOX (RAINBIRD VB-SPR-H + VB-SPR-B)
- HEAT BRAND "MV" OR "FS" TO LID IN 2" HIGH BLOCK LETTERS
- PROVIDE LOCKING HARDWARE
- WIRE SHALL BE COLOR CODED & HAVE MIN 30" COILED INSIDE BOX.
- PROVIDE BOX EXTENSION AS NEED FOR DEEP INSTALLATIONS.

E MASTER VALVE & FLOW SENSOR

SCALE: NTS



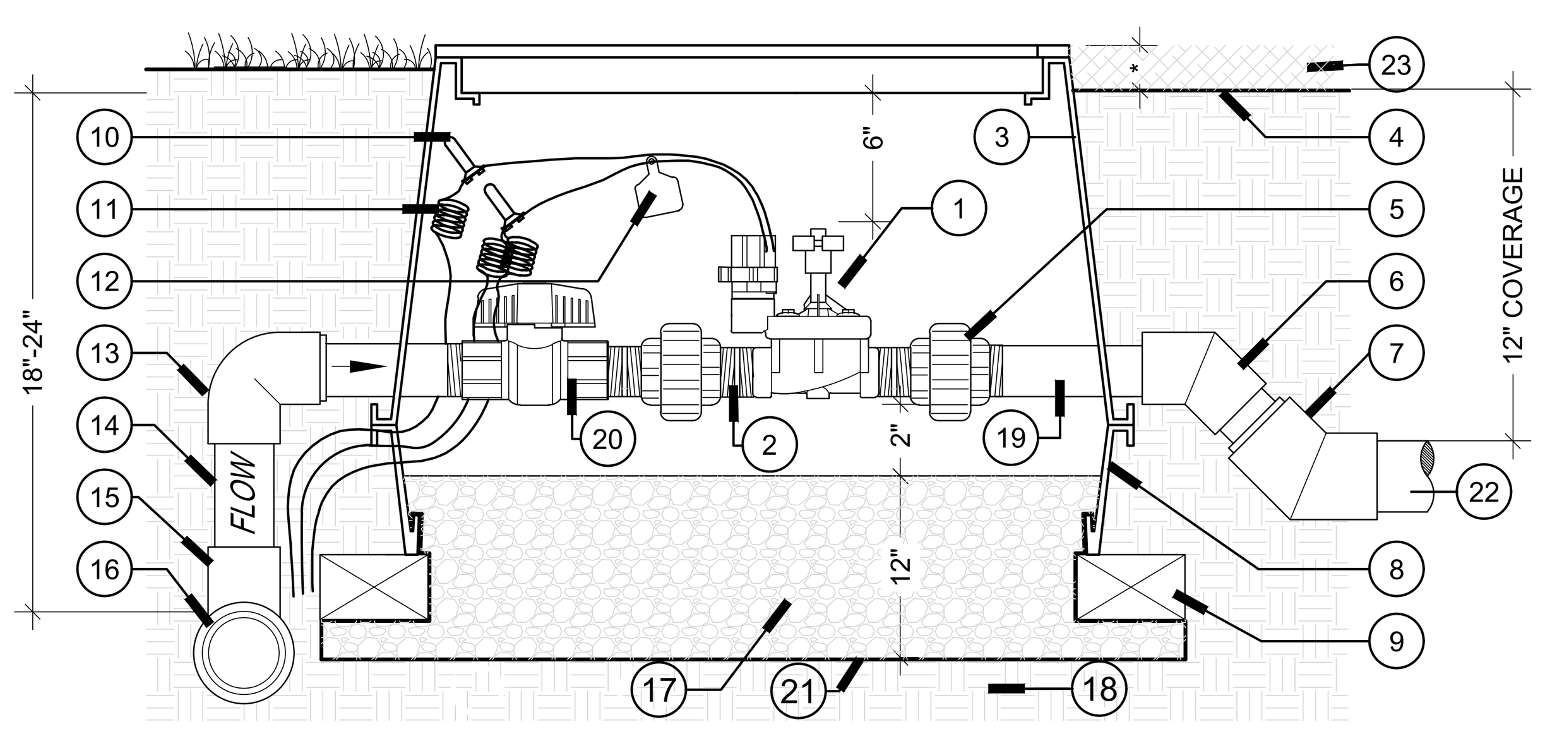
NOTES:
- ALL PIPE IN TRENCH TO HAVE A MIN OF 4" CLEARANCE ALL SIDES.
- BUNDLE AND TAPE WIRES AT 10' O.C.
- ALL PLASTIC PIPING SHALL BE SNAKED WITHIN TRENCH.
- PIGTAIL AND LOOP CONTROL WIRES AT ALL CHANGES IN DIRECTION.
- SPLICING OF WIRE RUNS IS NOT PERMITTED WITHOUT PRIOR APPROVAL FROM THE OWNER AND LANDSCAPE ARCHITECT. ALL SPICES TO BE MADE IN VALVE BOX.
- RUN CONTROL WIRES IN SAME TRENCH AS MAINLINE, WHERE WIRES CANNOT, PLACE IN SLEEVE.
- INSTALL THRUST BLOCKS/JOINT RESTRAINTS AT ALL CHANGES IN DIRECTION ON PRESSURE MAINLINE AND AT ALL TERMINAL POINTS.
- INSTALLATION, TRENCHING, THRUST BLOCKING, PIPE RESTRAINTS AND BACKFILLING SHOULD BE PERFORMED IN ACCORDANCE WITH ASTM D2774.
- REFER TO STRUCTURAL DETAILS FOR TRENCHING NEAR FOOTINGS.
- BE SURE LINE IS PRESSURE TESTED BEFORE BACKFILLING. PIPE SHALL BE ADEQUATELY ANCHORED TO PREVENT MOVEMENT. THE JOINTS AND FITTINGS SHALL REMAIN EXPOSED TO FACILITATE INSPECTION FOR JOINT LEAKAGE.
- INSTALL WARNING TAPE CONTINUOUSLY ALONG MAINLINE ROUTING, LOCATED 12" ABOVE MAINLINE.

LEGEND

1. FINISH GRADE
2. CLEAN NATIVE BACKFILL/ 85% COMPACTION/ SEE SPECS.
3. SAND BACKFILL OR SCREENED NATIVE AS ALLOWED BY LANDSCAPE ARCHITECT.
4. UNDISTURBED NATIVE SOIL
5. 3" METALLIC BACKED UNDERGROUND WARNING TAPE. (CHRISTY MODEL:TA-DT-3-BIRR).
6. GREEN COATED TRACER WIRE
7. NON-PRESSURE LATERAL LINE (SEE SPECS)
8. PRESSURE MAINLINE (SEE SPECS)
9. CONTROL WIRES- TAPE TO MAINLINE / IN CONDUIT AS NOTED PER PLANS/ SPECS. INSTALL BELOW MAINLINE.

B TRENHCING

SCALE: NTS



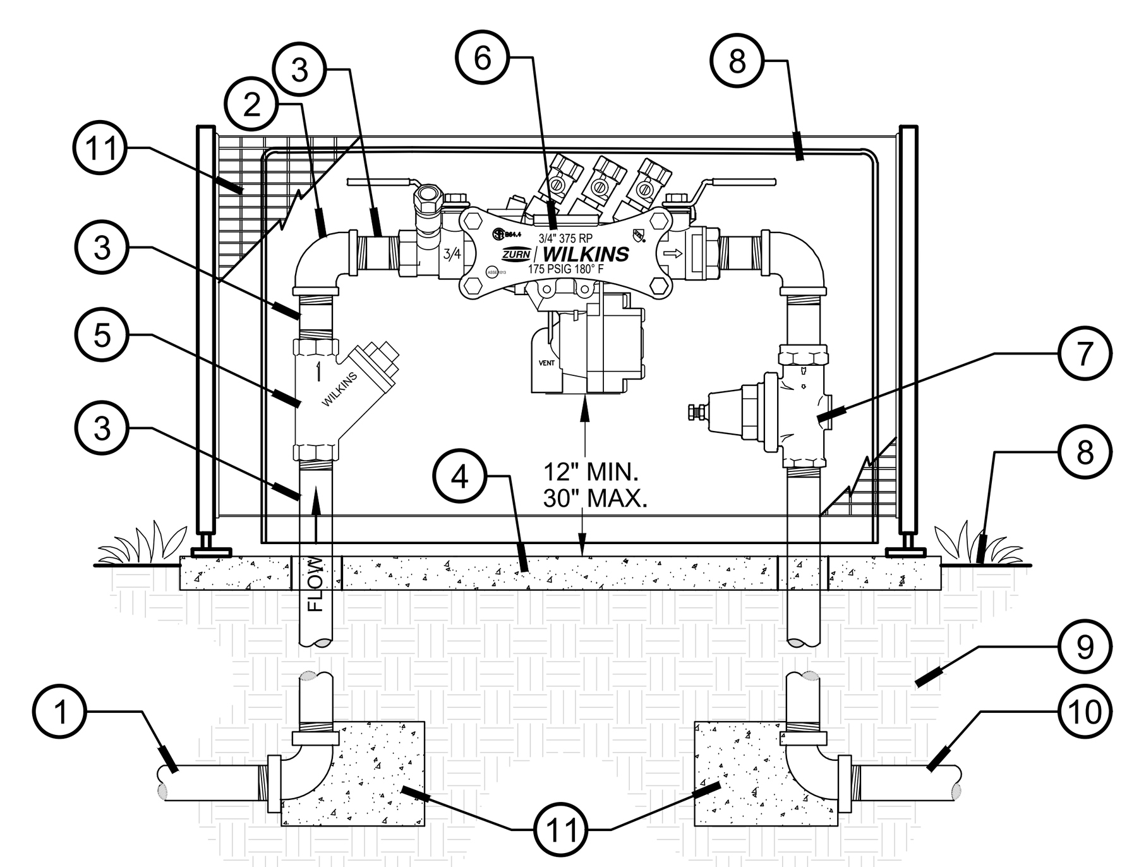
NOTES:
- ALL THREADED FITTINGS SHALL RECEIVE TEFLON TAPE
- HEAT BRAND "CONTROLLER & VALVE #" ON LID IN 2" HIGH BLOCK LETTERS
- PROVIDE LOCKING HARDWARE
- WIRE SHALL BE COLOR CODED & HAVE MIN 30" COILED INSIDE BOX.
- PER CONTRACTOR: EACH VALVE SHALL BE INDIVIDUAL CONNECTION TO MAINLINE -OR- LINE SIZE CAPACITY OF SUM GPM OF ALL VALVES ON MANIFOLD OR MAINLINE SIZE WHICHEVER IS LESS.

LEGEND

1. REMOTE CONTROL VALVE PER IRRIGATION LEGEND
2. SCH 80 PVC NIPPLE (3 REQUIRED) VALVE SIZE
3. RECTANGULAR PLASTIC VALVE BOX (RAINBIRD VB-JBM-H) HEAT BRAND STATION NUMBER ON LID IN 2" BLOCK LETTERS
4. FINISH GRADE
5. SCH 80 UNION (TxT)(2 REQUIRED)
6. SCH 40 PVC 45 DEGREE ELL
7. SCH 40 PVC 45 DEGREE ELL (BUSH UP TO LINE SIZE)
8. RECTANGULAR PLASTIC VALVE BOX (RAINBIRD VB-JMB-B)
9. COMMON BRICK SUPPORTS (4 REQUIRED)
10. WATER PROOF WIRE CONNECTORS (DBY /2 REQUIRED)
11. UF WIRES TO CONTROLLER (COLOR CODED) SEE SPECS.
12. I.D. TAG WITH STATION NUMBER PRINTED ON IT (CHRISTY'S #ID-STD-Y1)
13. SCH 80 PVC 90 DEGREE (SIZE PER MAINLINE).
14. RISER, (SIZE ACCOMMODATE 2 VALVES CONT.)
15. SCH 80 PVC TEE (OUTLET TO BE CAPABLE OF 2 VALVES @ 1 TIME MIN OR MAIN SIZE PER PLAN WHICHEVER IS GREATER)
16. MAINLINE PIPING REFER TO PLAN
17. FILL BASE OF BOX WITH 3/4" GRAVEL
18. COMPACTED NATIVE SOIL
19. SCH. 80 NIPPLE CUT TO LENGTH (2 REQUIRED)
20. SCH. 80 BALL VALVE (SIZE PER RCV)
21. FILTER FABRIC - ENSURE ALL VALVE BOX HOLES ARE COVERED
22. LATERAL LINE (SIZE PER PAN)
23. MULCH REFER TO PLANTING PLAN
* 1/2" IN TURF AREAS, 2" IN SHRUB AREAS

F REMOTE CONTROL VALVE

SCALE: NTS



NOTE:
- USE TEFLON TAPE ON THREADED FITTINGS, TYPICAL. (NO LIQUID TEFLON)
- ALL BRASS PIPE BELOW FINISH GRADE SHALL RECEIVE 2 WRAPS OF 20 MIL. TAPE.
- ALL EXPOSED PIPING SHALL RECEIVE WRAPPING TO PROTECT FROM WEATHER SEE SPECS.
- CONTRACTOR SHALL INSTALL THE BACKFLOW MIN 12" AND MAXIMUM 30" ABOVE FINISH GRADE
- INSTALL PER ALL LOCAL CODE REQUIREMENTS
- FINAL LOCATION TO BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT AND/OR OWNER.

LEGEND

1. MAINLINE FROM P.O.C INLET. BRASS ELL.
2. BRASS OR COPPER 90°
3. BRASS OR COPPER NIPPLE.
4. 4" THICK CONCRETE PAD.
5. WYE STRAINER (PER LEGEND)
6. REDUCED PRESSURE BACKFLOW PREVENTER (PER LEGEND)
7. FINISHED GRADE.
8. PRESSURE REGULATOR (PER LEGEND)
9. COMPACTED SUB-GRADE.
10. PVC MAINLINE TO IRRIGATION SYSTEM.
11. 18" X 18" X 18" CONC. THRUST BLOCKS.
12. VIT SMOOTH TOUCH SS CAGE
13. INSULATING BLANKET PER LEGEND (1 PER BF)

C BACKFLOW PREVENTER

SCALE: NTS

the Habit BURGER GRILL

Seal

LICENSED LANDSCAPE ARCHITECT
PETRUNIO
Signature
01/31/2027
Renewal Date
6/29/2025
Date
STATE OF CALIFORNIA

Consultant- Landscape Architect

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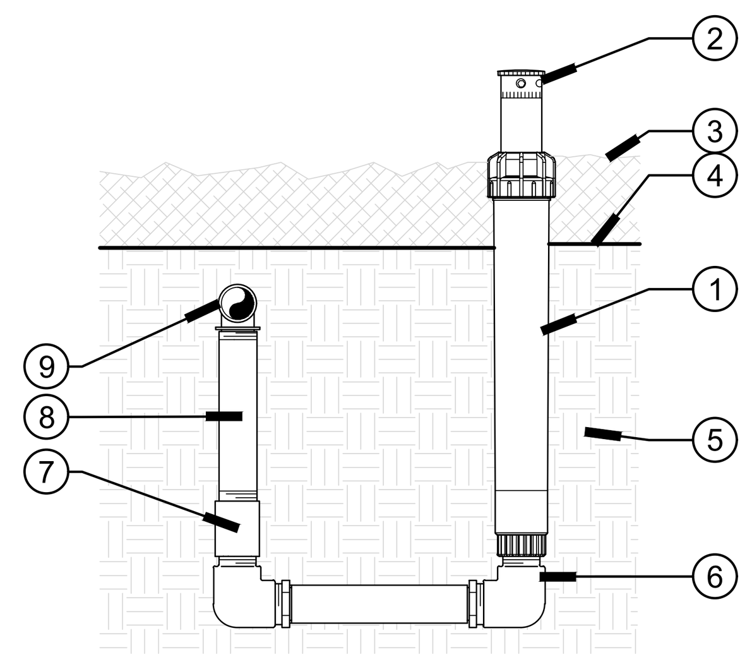
105 POMEROY AVE
UKIAH, CA
STORE #: XXX

LANDSCAPE IRRIGATION
DETAIL SHEET 1

Project Number: 24-253
Plan Check Number:

SHEET

LID.1

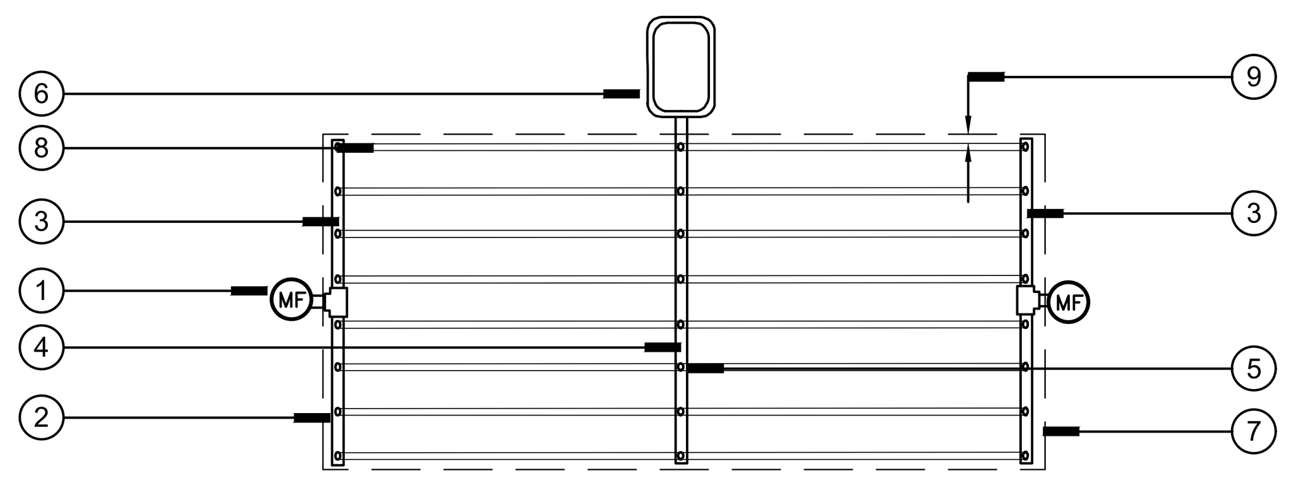


NOTES:
- AFTER COMPLETE SYSTEM FLUSH, INSTALL DRIP INDICATOR NOZZLE AND ADJUST TO FULLY CLOSED POSITION.
- FOR POTABLE WATER INSTALL "ORANGE" COLORED FLUSH NOZZLE.
- INSTALL POP-UP INDICATOR HEAD 10" FROM PERIMETER OF PLANTER / HARDSCAPE.
- DISCHARGE EXHAUST HEADER SHALL BE INSTALLED 12" BELOW FINISHED SOIL GRADE, TYPICAL.
- INSTALL MINIMUM ONE(1) DRIP INDICATOR / FLUSH ASSEMBLY PER DRIP ZONE.
- USE TEFLON TAPE ON THREADED FITTINGS, TYPICAL. (NO LIQUID TEFLON)

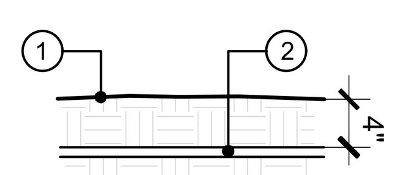
LEGEND
1. HUNTER ECO INDICATOR - ECOID
2. INDICATOR/ FLUSH NOZZLE (GPH MODEL: GDFN)
3. MULCH OR DG PER PLAN
4. FINISHED GRADE IN PLANTER BED
5. COMPACTED NATIVE SOIL
6. FLEX SWING JOINT (HUNTER SJ OR EQUAL)
7. 1/2" SCH. 40 COUPLING (TXT)
8. 1/2" SCH. 80 NIPPLE LENGTH AS REQUIRED.
9. NETAFIM COMBINATION TEE (MODEL TL050FTEE) OR PVC EXHAUST HEADER

M POP-UP INDICATOR STAKE

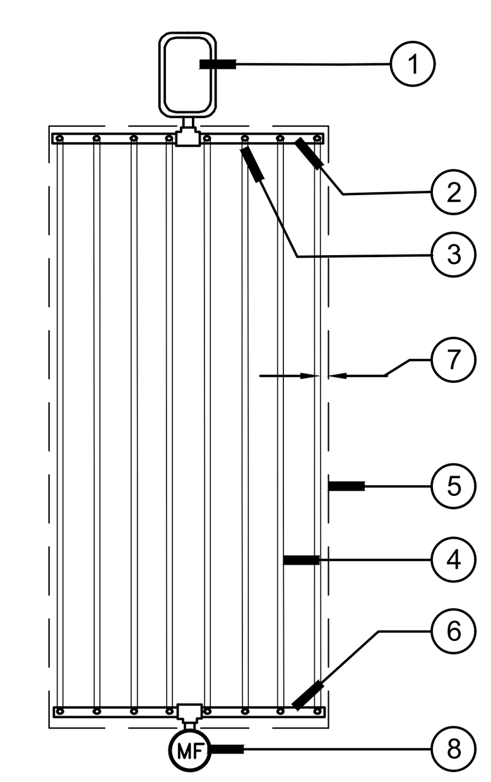
SCALE: NTS



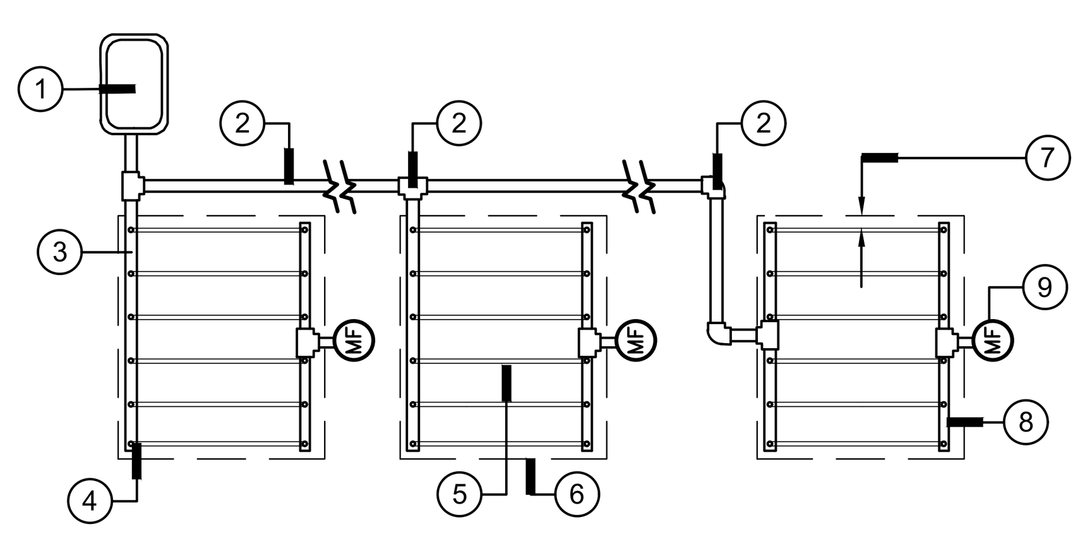
LEGEND- CENTER FEED
1. MANUAL LINE FLUSHING VALVE PLUMBED TO EXHAUST HEADER
2. TECHLINE START CONNECTION MALE ADAPTER.
3. PVC OR RAINBIRD QF EXHAUST HEADER. SIZE PER PLAN. 3/4" MINIMUM.
4. PVC OR RAINBIRD QF SUPPLY HEADER.. SIZE PER PLAN. 3/4" MINIMUM.
5. TECHLINE START CONNECTION SEE DETAIL.
6. REMOTE CONTROL VALVE WITH DISC FILTER AND PRV.
7. AREA PERIMETER.
8. TECHLINE CV TUBING.
9. PERIMETER LATERALS 2" TO 4" FROM EDGE.



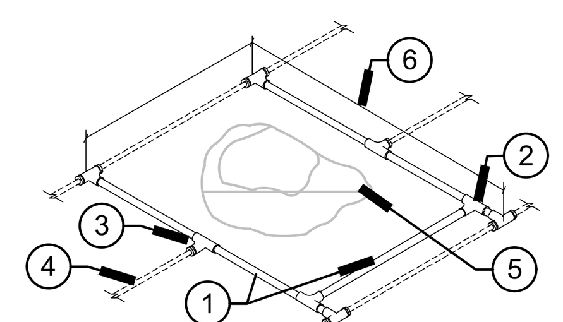
LEGEND
1. FINISHED GRADE.
2. NETAFIM TECHLINE CV



LEGEND - END FEED
1. REMOTE CONTROL VALVE WITH DISC FILTER AND PRV.
2. PVC OR RAINBIRD QF SUPPLY HEADER. SIZE PER PLAN, 3/4" MINIMUM
3. TECHLINE START CONNECTION MALE ADAPTER.
4. TECHLINE CV TUBING.
5. AREA PERIMETER.
6. PVC OR RAINBIRD QF EXHAUST HEADER. SIZE PER PLAN. 3/4" MINIMUM.
7. PERIMETER LATERALS 2" TO 4" FROM EDGE.
8. MANUAL LINE FLUSHING VALVE PLUMBED TO EXHAUST HEADER



LEGEND - ISLAND FEED
1. REMOTE CONTROL VALVE WITH DISC FILTER AND PRV.
2. LATERAL + PVC TEE OR PVC ELL.
3. PVC / RAINBIRD QF SUPPLY HEADER. (SIZE PER PLAN. 3/4" MIN).
4. TECHLINE START CONNECTION MALE ADAPTER.
5. TECHLINE CV TUBING.
6. ISLAND PERIMETER.
7. PERIMETER LATERALS 2" TO 4" FROM EDGE.
8. PVC OR RAINBIRD QF EXHAUST HEADER. (SIZE PER PLAN. 3/4" MIN).
9. MANUAL LINE FLUSHING VALVE PLUMBED TO EXHAUST HEADER.

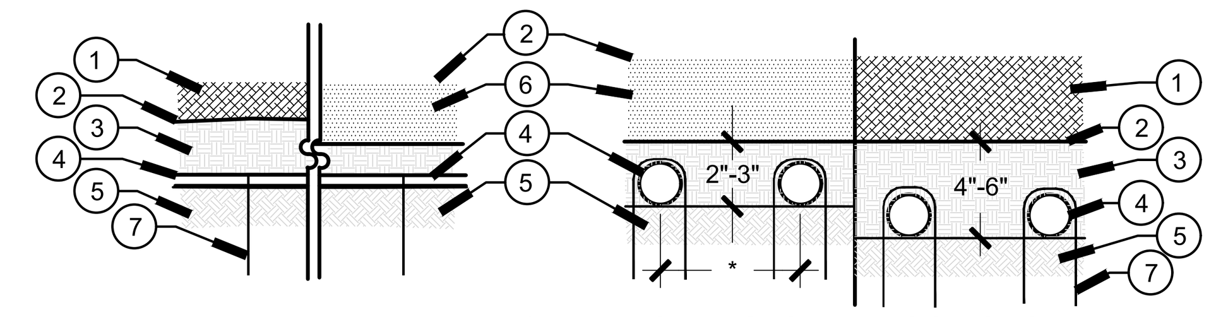


LEGEND - STANDARD OBSTRUCTION
1. 3/4" SCH. 40 PVC
2. 3/4" PVC TEE
3. 3/4" PVC TEE W/ MPT ADAPTER
4. SUB-SURFACE DRIPLINE PER LEGEND
5. OBSTRUCTION TYPICAL: ROCK, TREE, LIGHT POLE, ETC.
6. VARIES - SEE DRIP SPACING PER PLAN

NOTE:
- ALL SUB-SURFACE TUBING SHALL BE INSTALLED 2"-4" CONSTANT DEPTH BELOW FINISH SOIL GRADE ANCHORED WITH RAIN BIRD 6" GALVANIZED WIRE STAKES, MODEL TDS-050 BEND, INSTALLED FOUR (4) FEET ON CENTER.
- USE TEFLON TAPE ON ALL THREADED CONNECTIONS
- REFER TO DRIP NOTES ON PLAN

N DRIP LAYOUT

SCALE: NTS



* REFER TO PLANS FOR TUBING SPACING

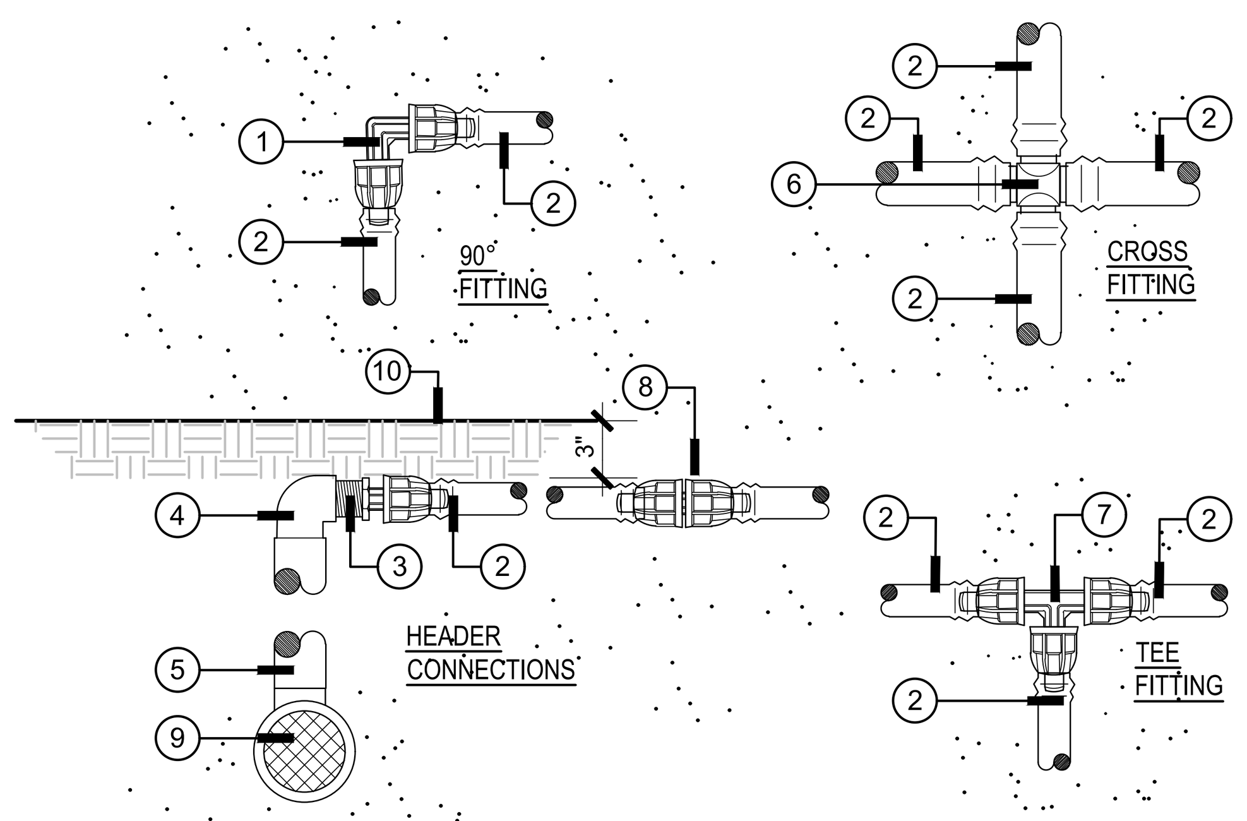
LEGEND
1. 2"-3" MULCH LAYER PER PLAN WHERE OCCURS
2. FINISHED GRADE.
3. REMOVE SOIL IN ENTIRE LANDSCAPE AREA, STOCKPILE & REPLACE POST TUBING INSTALL. REMOVE 2"-3" IN DG & 4"-6" IN MULCH AREAS.
4. NETAFIM TECHLINE CV DRIP TUBING
5. RIPPED/TILLED & AMENDED SUB-GRADE PER AGRONOMIC SOILS REPORT TO A DEPTH OF 10"-12"
6. 3"-4" DECOMPOSED GRANITE PER PLAN WHERE OCCURS
7. 6" WIRE STAKES (RAIN BIRD, MODEL TDS-050), FOUR (4) FEET ON CENTER

NOTES

A. TO INSURE EVEN PARALLEL AND LEVEL TUBING ROWS IT IS RECOMMENDED THAT THE SOIL LEVEL IN THE PLANTER AREAS BE BROUGHT TO MINIMUM 3"- 4" BELOW FINISHED GRADE AND PROPERLY COMPACTED AS PER THE LANDSCAPED DRAWINGS PRIOR TO THE INSTALLATION OF THE TUBING.
B. INSTALL TUBING ROWS A MAXIMUM 16" ROW SPACING. SECURE TO GRADE USING 9" GALVANIZED WIRE HOOP STAKES AT MAXIMUM 4 FEET ON CENTER SPACING.
C. BACKFILL FINAL 2" - 3" OF SOIL AFTER INSTALLATION OF TUBING.
D. DRIP TUBING SHALL BE INSTALLED WITH EMITTERS TRIANGULAR SPACED.
E. INSTALL PERIMETER TUBING MAXIMUM 6" FROM PERIMETER EDGE FOR GROUNDCOVER AREAS OR AT FIRST LINE OF SHRUBS.
F. INSTALL PARALLEL TO SLOPE AT ALL TIMES.
G. CONTRACTOR SHALL DETERMINE MINIMUM ROW SPACING IN THE FIELD AFTER REVIEW OF PLANT SPACING FOR EACH PLANTER.
H. EACH AND EVERY SHRUB SHALL RECEIVE WATER FROM A MINIMUM OF TWO INLINE EMITTERS.
I. AREAS OF TIGHTLY SPACED GROUNDCOVER WILL REQUIRE 12" OR CLOSER ROW SPACING.
J. FOR ANY 'SINGLE' OR' DOUBLE' ROW TYPE PLANTINGS, INSTALL DRIP TUBING ON BOTH SIDES OF THE SHRUB ROW TO IRRIGATE SHRUBS ON EITHER SIDE.
K. DUE TO SOIL STRATA DIFFERENCES AND POSSIBLE COMPACTION CONTRACTOR SHALL FIELD VERIFY PRIOR TO STARTING WORK AND BEFORE BACKFILLING THAT THE FINAL LAYOUT AND ROW SPACING WILL PROVIDE ADEQUATE WATER TO ALL PLANTS.

J DRIP INSTALLATION

SCALE: NTS

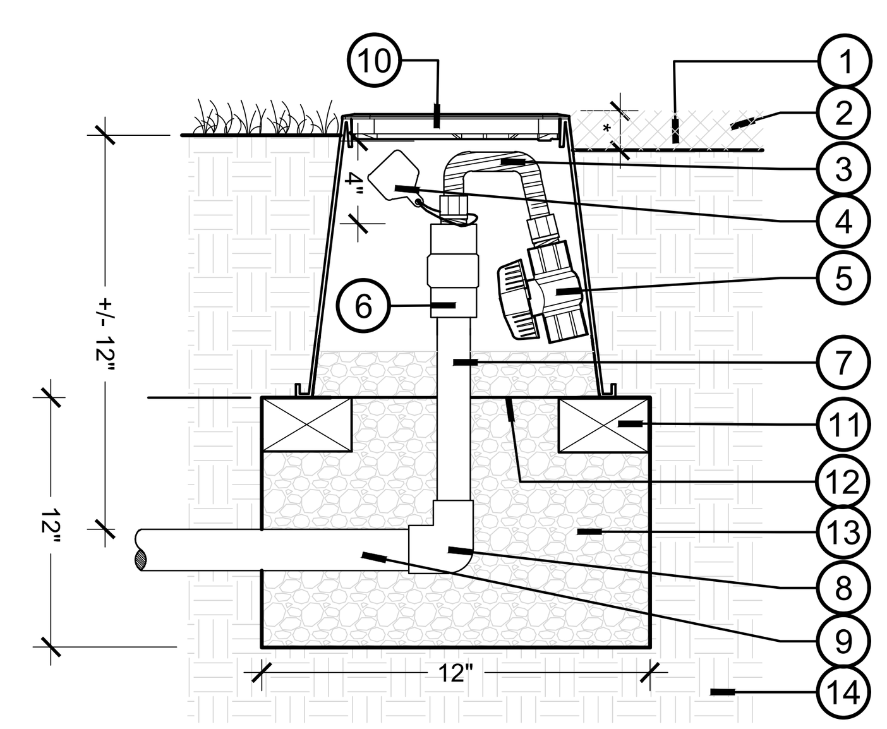


NOTE:
- ALL SUB-SURFACE TUBING SHALL BE INSTALLED 2"-4" CONSTANT DEPTH BELOW FINISH SOIL GRADE ANCHORED WITH RAIN BIRD 6" GALVANIZED WIRE STAKES, MODEL TDS-050 BEND, INSTALLED FOUR (4) FEET ON CENTER.
- USE TEFLON TAPE ON ALL THREADED CONNECTIONS
- REFER TO DRIP NOTES ON PLAN

LEGEND
1. TECHLOCK ELBOW.
2. TECHLINE CV TUBING.
3. TECHLOCK 3/4" MALE ADAPTER.
4. ¾" PVC SCH. 40 90/ RISER
5. PVC RISER PIPING. ¾" MIN.
6. TECHLINE CROSS.
7. TECHLOCK TEE.
8. TECHLOCK COUPLING
9. PVC HEADER/ FOOTER. (SIZE PER PLAN; 3/4" MIN.)
10. FINISHED GRADE.

K DRIP CONNECTIONS

SCALE: NTS



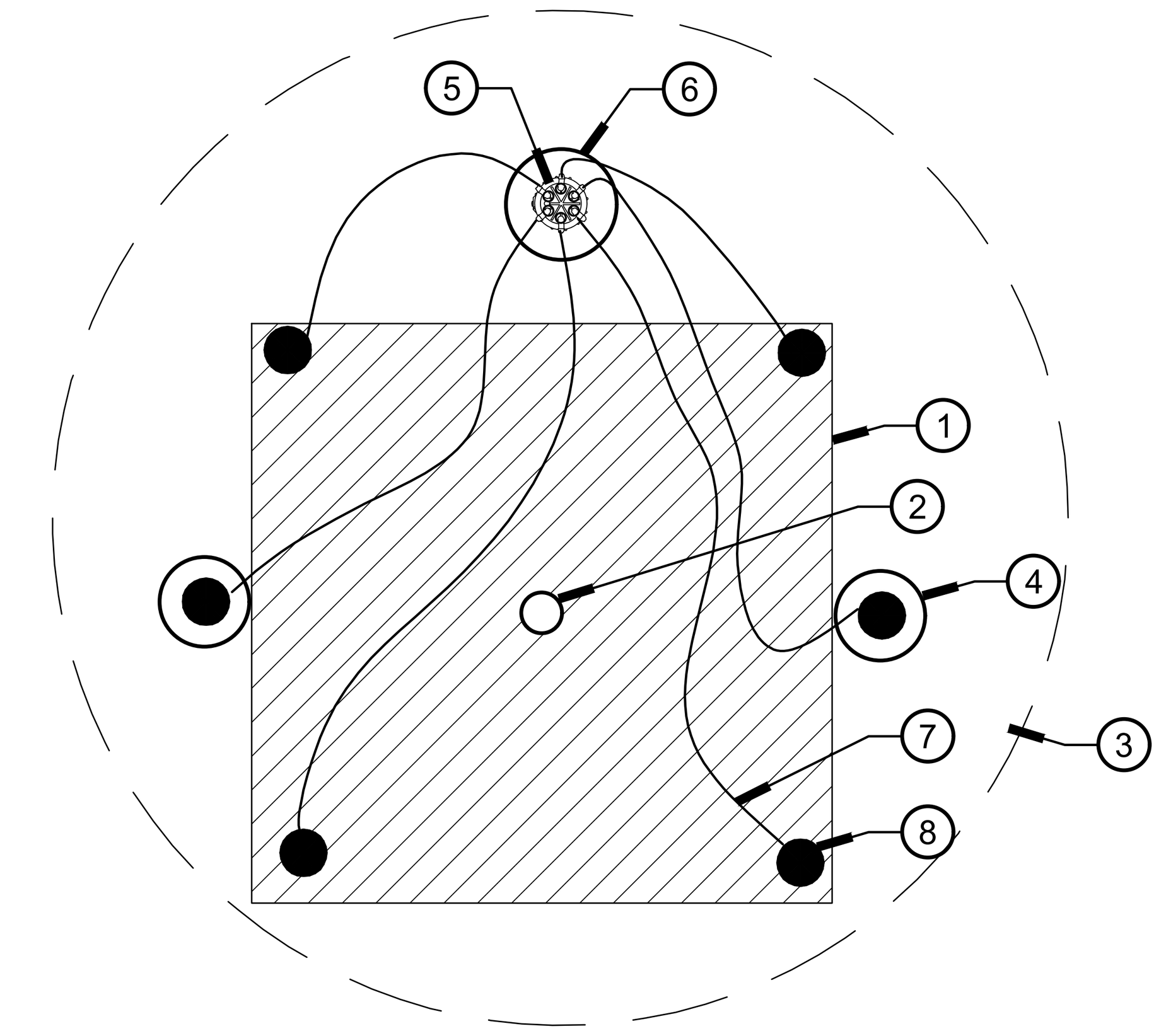
NOTES:
- ALL THREADED FITTINGS SHALL RECEIVE TEFLON TAPE
- HEAT BRAND "FV" ON LID IN 2" HIGH BLOCK LETTERS
- PLACE "CONTROLLER & VALVE #" ON VALVE ID TAG
- PROVIDE LOCKING HARDWARE

LEGEND
1. FINISH GRADE
2. MULCH/ TURF / DG (REFER TO *)
3. ORBIT 1/2"X 24" FLEX RISER
4. VALVE I.D. TAG (CHRISTY'S #ID-STD-Y1)
5. 1/2" SCH. 80 PVC BALL VALVE PER LEGEND
6. SCH. 40 REDUCING COUPLING (3/4" TO 1/2" SXT)
7. 3/4" SCH. 40 PIPE (LENGTH AS REQ.)
8. 3/4" SCH. 40 90° SXS
9. 3/4" SCH. 40 LATERAL TO SYSTEM/ HEADER
10. 10" ROUND BOX (RAINBIRD VB-10RND)
11. SUPPORT - COMMON RED BRICK (3)
12. FILTER FABRIC (COVER ALL OPENINGS)
13. 3/4" WASHED GRAVEL (12" DEPTH MIN.)
14. COMPACTED NATIVE SOIL.

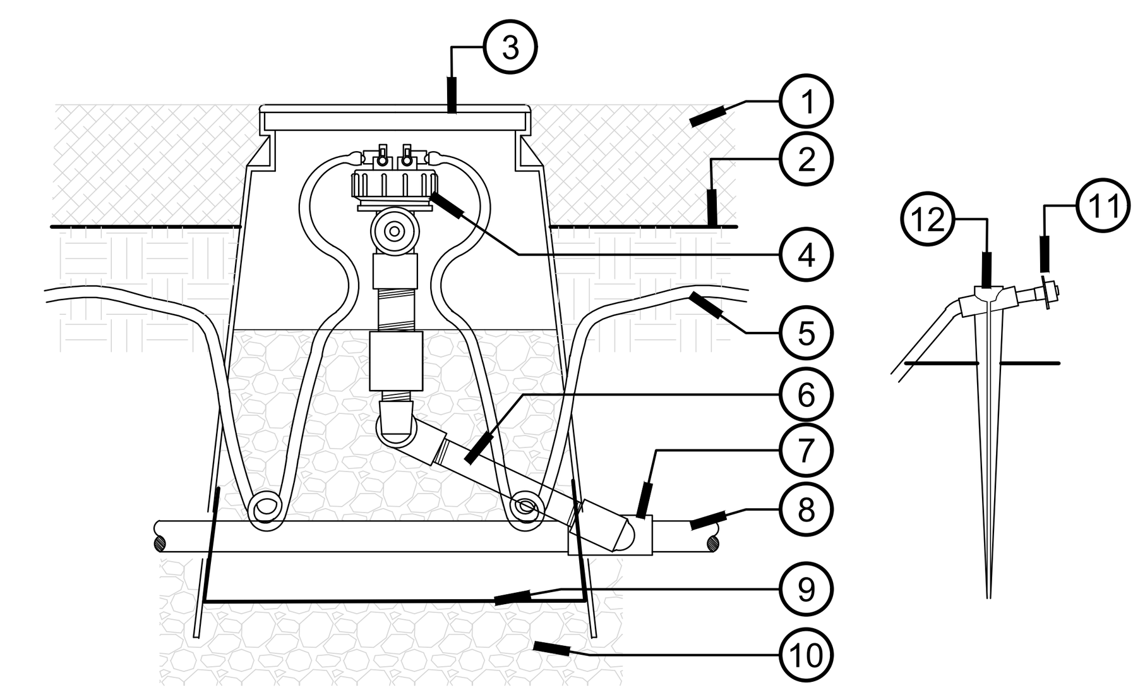
* 2" IN SHRUB - 1" IN TURF - 1/2" DG

L FLUSH VALVE

SCALE: NTS



LEGEND - PLAN VIEW
1. ROOT BALL
2. TREE TRUNK
3. TREE CANOPY
4. ROOTWELL AERATION DEVICE- NO BUBBLER, REFER TO TREE PLANTING DETAIL (2 PER TREE)
5. BOWSMITH MULTI-EMISSION DEVICE, PER LEGEND, SEE DETAIL BLOW-UP (1PER TREE)
6. EMITTER VALVE BOX.
7. 1/4" DISTRIBUTION TUBING, BURRY 2" MIN. BELOW FG AND STAKE.
8. STAKE AND BUG CAP PER DETAIL.



NOTES:
- CENTER VALVE BOX AROUND UNIT
- HEAT BRAND "TB" ON LID IN 2" HIGH BLOCK LETTERS
- TEFLON TAPE ALL THREADED FITTINGS
- COIL ADDITIONAL 9-INCHES OF TUBING IN VALVE BOX TO FACILITATE MAINTENANCE.
- FIELD INSTALLED BELOW GRADE PIPE CONNECTIONS SHALL BE THREADED PVC
- MICROTUBING MUST BE BURIED AT LEAST 6" BELOW GRADE AND THE MICROTUBING MUST BE SECURED BY A STAKE.
- MAXIMUM LENGTH OF MICROTUBING SHALL BE 5'-0".

LEGEND - SECTION
1. FINISH GRADE
2. MULCH PER PLANTING PLAN.
3. 7" ROUND BOX (RAINBIRD VB-7RND)
4. MULTI-OUTLET EMISSION DEVICE PER LEGEND
5. 1/4-INCH TUBING: POLYETHYLENE DISTRIBUTION TUBING RAIN BIRD XQ-XXXX
6. TRIPLE SWING JOINT
7. PVC LATERAL LINE
8. PVC SCH 40 TEE OR ELL
9. LANDSCAPE FABRIC
10. 12" MIN. 3/4" WASHED GRAVEL.
11. DIFFUSER BUG CAP: RAINBIRD DBC-025
12. 1/4-INCH TUBING STAKE: RAINBIRD TS-025

I LOW VOLUME BUBBLER - TREE

SCALE: NTS

the Habit BURGER GRILL

Seal

LICENSED LANDSCAPE ARCHITECT
BRANDON PETRUNIO 5894
Signature
01/31/2027
Renewal Date
6/29/2025
Date
STATE OF CALIFORNIA

Consultant- Landscape Architect

BPA LANDSCAPE ARCHITECTS
BRANDON PETRUNIO & ASSOCIATES, INC.
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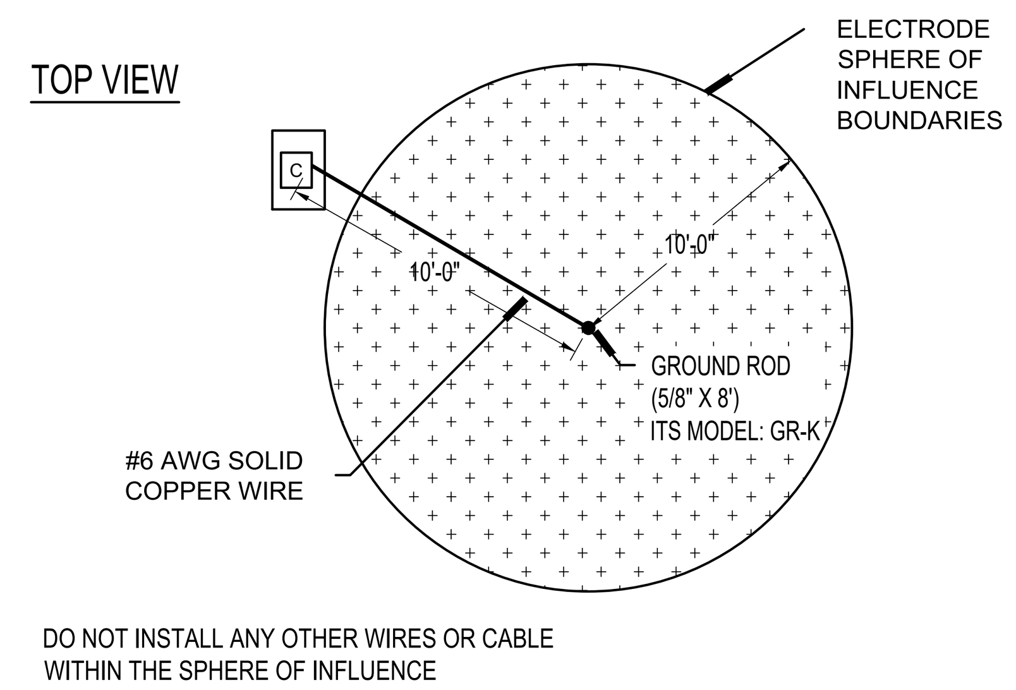
105 POMEROY AVE
UKIAH, CA
STORE #: XXX

LANDSCAPE IRRIGATION
DETAIL SHEET 2

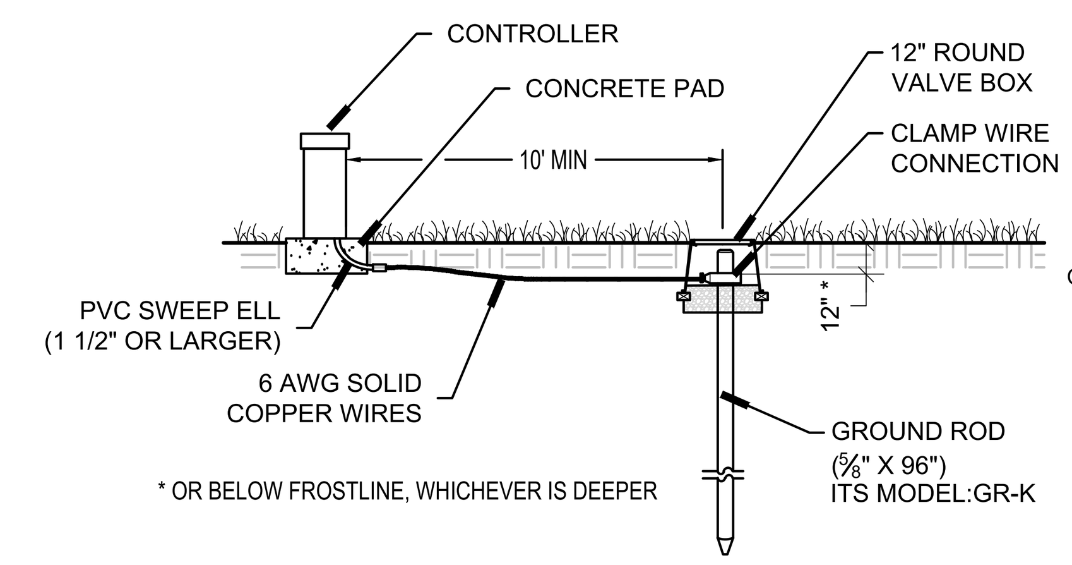
Project Number: 24-253
Plan Check Number:

S H E E T

LID.2



NOTES:
1. CONTRACTOR SHALL CONSULT SITE UTILITY AS-BUILT(S) AND BECOME FAMILIAR WITH ALL UNDERGROUND ITEMS WITHIN PROJECT SCOPE.
2. FOR HIGH LIGHTNING PRONE AREAS USE BOTH GROUND ROD AND GROUND PLATE.
3. ALL ITEMS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
4. ALL INSTALLATIONS SHALL MEET MINIMUM REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AND SOUND PRACTICES OF THE INSTITUTE OF ELECTRICAL & ELECTRONIC ENGINEERS (IEEE) TO ENSURE PERSONNEL SAFETY AND EQUIPMENT RELIABILITY.
5. EARTH RESISTANCE SHALL BE MEASURED AND RECORDED AFTER INSTALLATION WITHIN ACCORDANCE OF LATEST REQUIREMENTS OF NFPA 780. DESIRED READINGS ARE 5 TO 10 OHMS BUT NO MORE THAN 25 OHMS.
6. FOR FURTHER REQUIREMENTS CONSULT THE ASIC GUIDELINE 100-2002 FOR EARTH GROUNDING ELECTRONIC EQUIPMENT IN IRRIGATION SYSTEMS.



DIGALERT 811

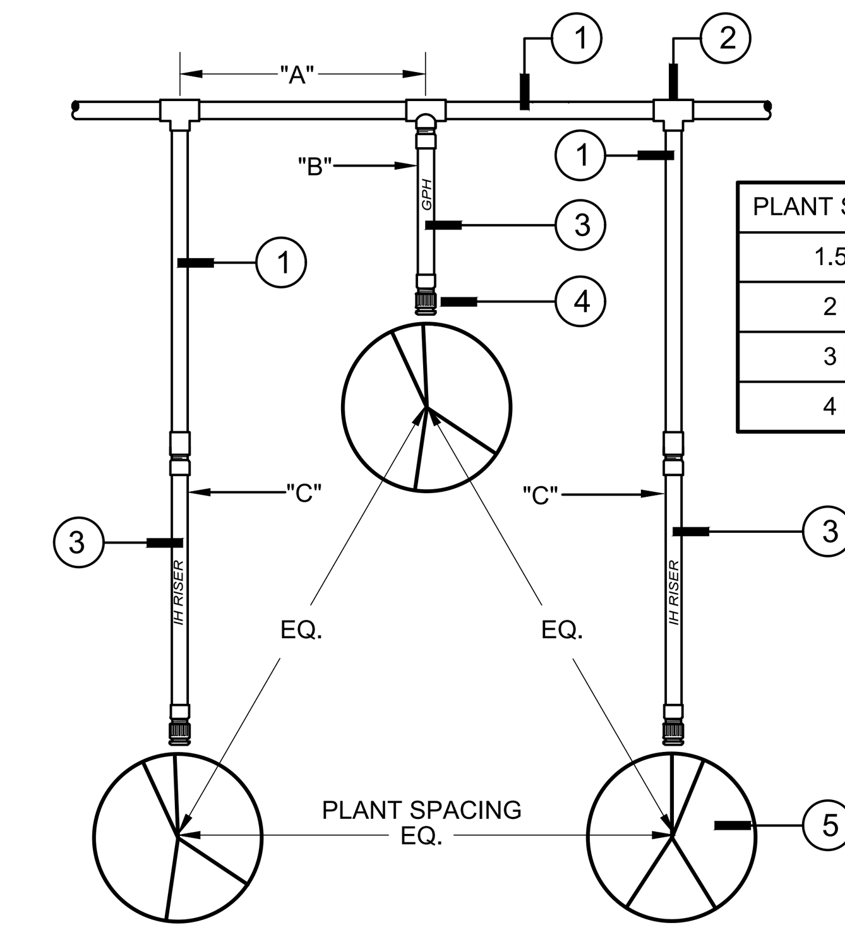
WARNING!

PLEASE READ BEFORE INSTALLING GROUND ROD

TO AVOID CONTACT WITH HIGH VOLTAGE POWER CABLES, GAS LINES, OR DATA CABLES, PLEASE CONTACT THE OWNER'S REPRESENTATIVE AND "DIG ALERT" TO IDENTIFY POSSIBLE HAZARDS BELOW THE SURFACE. CONTACT WITH THESE HAZARDS WILL RESULT IN SEVERE INJURY OR DEATH.

Q GROUND ROD - CONTROLLER

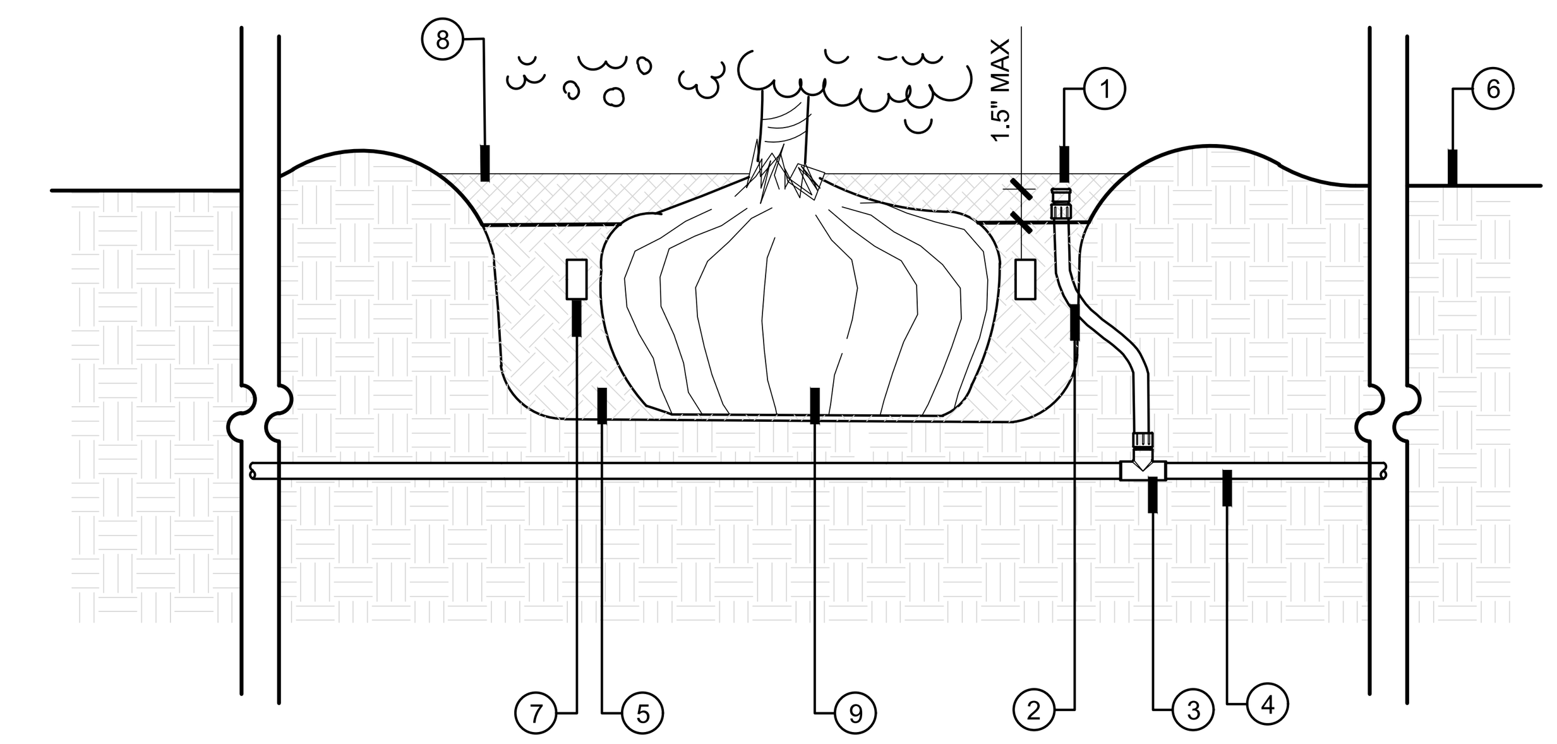
SCALE: NTS



PLANT SPACING	LENGTH "A"	RISER "B"	RISER "C"
1.5 FT.	9 IN.	SLV-PVC-M-ACL-24	SLV-PVC-M-ACL-24
2 FT.	12 IN.	SLV-PVC-M-ACL-24	SLV-PVC-M-ACL-24
3 FT.	18 IN.	SLV-PVC-M-ACL-24	SLV-PVC-M-ACL-24
4 FT.	24 IN.	SLV-PVC-M-ACL-24	SLV-PVC-M-ACL-24

LEGEND - PLAN
1. PVC SCH. 40 PIPE. SIZE PER PLAN
2. PVC SCH. 80 REDUCING TEE.
3. HUNTER IH SERIES FLEX RISERS, LENGTH AS NEEDED
4. PRESSURE COMPENSATING, CHECK VALVE EMITTER, PER LEGEND
5. PLANT, TRIANGULAR SPACING.

NOTES:
- EMITTER SPACING SHALL BE BASED ON PLANT SPACING. INSTALL ALL IRRIGATION USING THE COMPONENTS DESCRIBED ABOVE. IRRIGATION EQUIPMENT SHALL BE COMPLETELY INSTALLED PRIOR TO PLANT LAYOUTS. ADJUST PLANT SPACING TO ACCOMMODATE FINAL IRRIGATION LAYOUT.
- USE TEFLON TAPE ON ALL PVC TO PVC CONNECTIONS; NO PIPE DOPE ALLOWED.
- PLACE HEAD PERPENDICULAR TO GRADE.

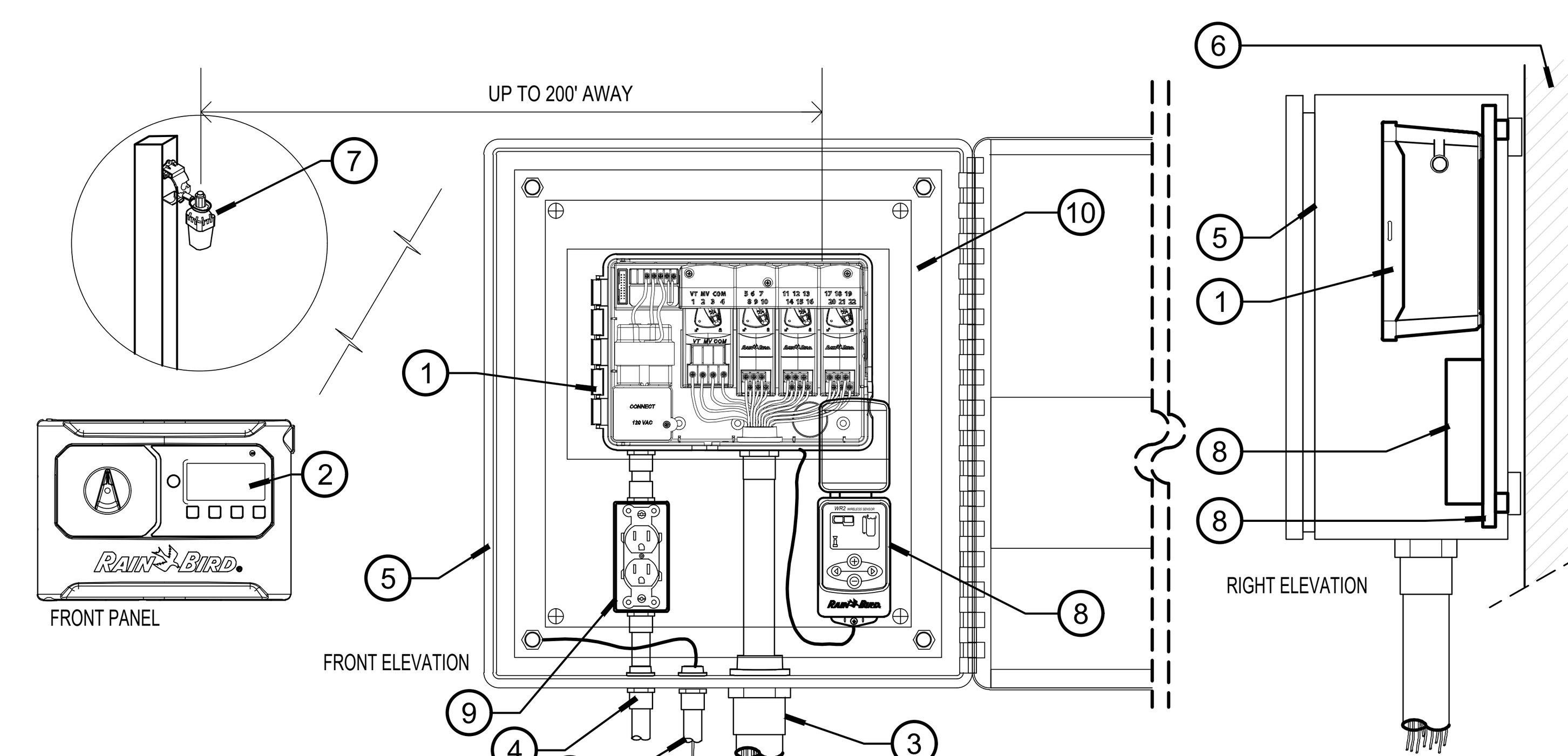


LEGEND - SECTION
1. PRESSURE COMPENSATING, CHECK VALVE DRIP EMITTER PER LEGEND. LOCATE AT EDGE OF PLANTING PIT / WATERING BASIN. INSTALL AFTER FLUSHING SYSTEM OF DEBRIS. (MAX 2" ABOVE FINISH GRADE)
2. 1/2" UV-RESISTANT PVC FLEXIBLE PIPE - HUNTER IH SERIES FLEX RISER. LENGTH AS NEEDED, 5' MAXIMUM LENGTH.
3. SCHEDULE 80 PVC REDUCING TEE. SOLVENT WELD FLEX PIPE TO PVC FITTING PER MANUFACTURERS RECOMMENDATIONS.
4. PVC LATERAL LINE FROM REMOTE CONTROL VALVE. DEPTH / COVER PER IRRIGATION SPECIFICATIONS.
5. SHRUB PLANTING PIT. AMENDED BACKFILL PER AGRONOMIC SOILS REPORT.
6. FINISHED GRADE.
7. PLANT TABLET PER SPECIFICATIONS.
8. MULCH PER PLANTING PLAN.
9. PLANT ROOT BALL

NOTES:
- EMITTER SPACING SHALL BE BASED ON PLANT SPACING, INSTALL ALL IRRIGATION USING THE COMPONENTS DESCRIBED ABOVE. IRRIGATION EQUIPMENT SHALL BE COMPLETELY INSTALLED PRIOR TO PLANT LAYOUTS. ADJUST PLANT SPACING TO ACCOMMODATE FINAL IRRIGATION LAYOUT.
- USE TEFLON TAPE ON ALL PVC TO PVC CONNECTIONS; NO PIPE DOPE ALLOWED.
- PLACE HEAD PERPENDICULAR TO GRADE.

O LOW VOLUME BUBBLER - SHRUB

SCALE: NTS



LEGEND
1. CONTROLLER/ OPEN FACE PANEL PER LEGEND
2. LCD SCREEN
3. REMOTE CONTROL VALVE WIRES (#12 COMMON/ #14 CONTROL/ SHIELDED FLOW SENSOR WIRE. SCH. 40 UV RESISTANT PIPE FOR REMOTE CONTROL VALVE WIRE BUNDLE. SIZE AS NEEDED TO HOUSE WIRES.
4. SCH. 40 GRAY ELECTRICAL SUPPLY CONDUIT, CONNECT 120 VAC 60 HZ POWER SOURCE TO J-BOX INSIDE CONTROLLER. SIZE AS NEEDED - MIN ¾"
5. SS LOCKABLE ENCLOSURE NEMA 4 COMPLIANT
6. BUILDING EDGE, POST WHERE OCCURS. MOUNT CONTROLLER USING SUPPLIED SCREWS AND ANCHORS.
7. WIRELESS RAIN & FREEZE SENSOR PER LEGEND
8. WIRELESS RAIN/FREEZE SENSOR INTERFACE
9. ALUMINUM WEATHERPROOF J-BOX, PLUG.
10. BACKBOARD- MOUNTING LOCATION FOR CONTROLLER AND CONTROL PANEL
11. GROUND WIRE TO GROUND ROD, INSTALL IN CONDUIT.

NOTES
-ALL GROUNDING REQUIREMENTS FOR CONTROLLER ASSEMBLIES SHALL CONFORM TO LOCAL ELECTRICAL CODES. GROUNDING ROD REQUIRED AT MIN. ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.
-MOUNT CONTROLLER LCD SCREEN AT APPROXIMATE EYE LEVEL OF CLIENT.
SENSOR NOTES:
a. SENSOR MAY BE MOUNTED ON FENCE, FENCE POST, GUTTERS, OR BUILDING WALLS.
b. SENSOR SHOULD NOT BE MOUNTED UNDER TREES, EAVES, OR IN AREAS AFFECTED BY SPRINKLER SYSTEM OPERATION.

P CONTROLLER

SCALE: NTS

the Habit BURGER GRILL

Seal

LICENSED LANDSCAPE ARCHITECT
BRANDON PETRUNIO
Signature
01/31/2027
Renewal Date
6/29/2025
Date
STATE OF CALIFORNIA

Consultant- Landscape Architect

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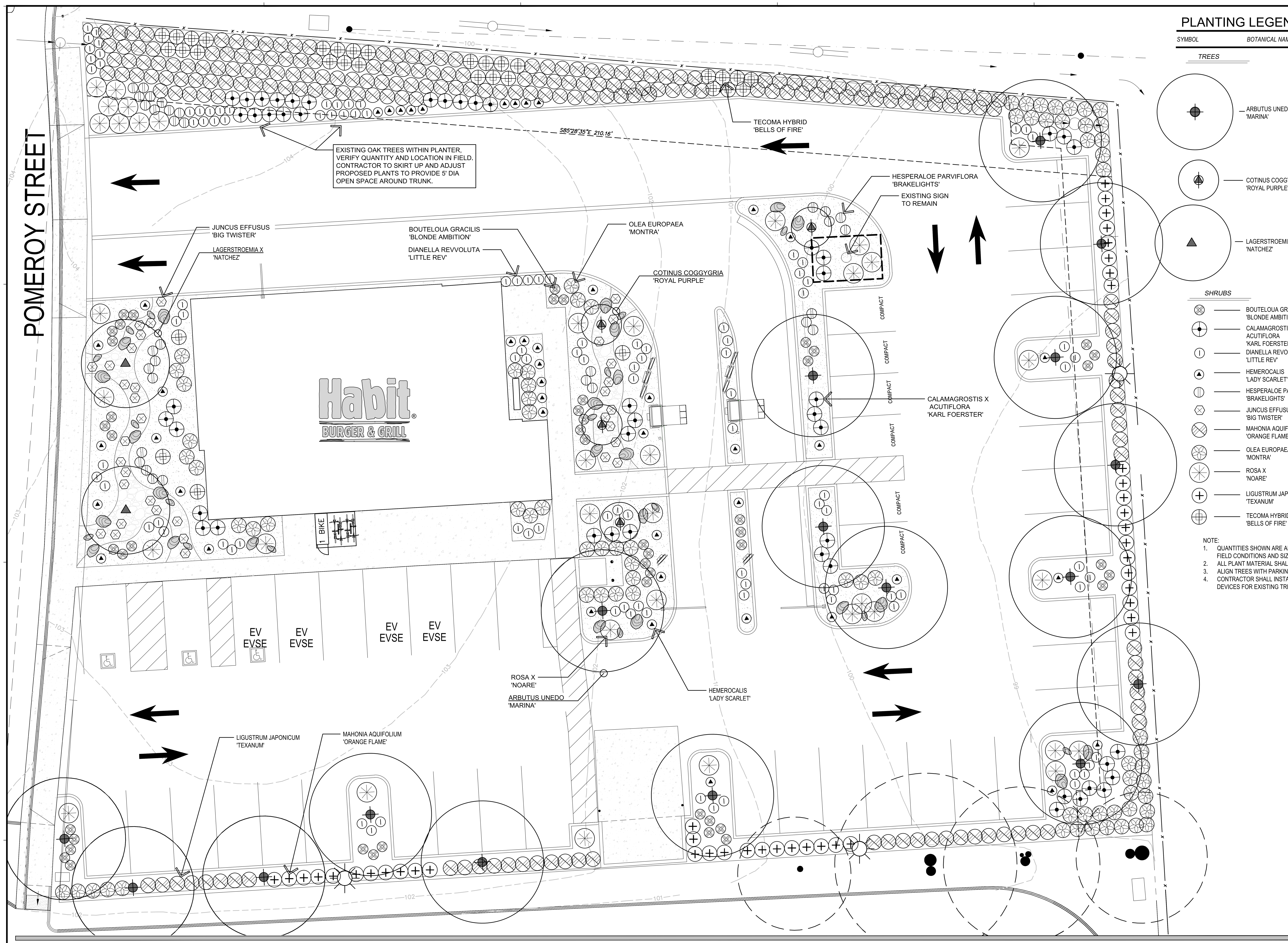
LANDSCAPE IRRIGATION
DETAIL SHEET 3

Project Number: 24-253
Plan Check Number:

SHEET
LID.3



PLAN VIEW

SCALE: 1" : 10'-0"

PLANTING LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS	WUCOLS ZONE 2	DETAILS
TREES								
	ARBUTUS UNEDO 'MARINA'	MARINA STRAWBERRY TREE	24" BOX	PER PLAN	+/- 16	STANDARDS MATCHED	LOW	A-B/ LPD.1
	COTINUS COGGYGRIA 'ROYAL PURPLE'	ROYAL PURPLE SMOKE TREE	24" BOX	PER PLAN	+/- 3	STANDARDS MATCHED	LOW	A-B/ LPD.1
	LAGERSTROEMIA X 'NATCHEZ'	NATCHEZ CRAPE MYRTLE TREE	24" BOX	PER PLAN	+/- 2	STANDARDS MATCHED	LOW	A-B/ LPD.1
SHRUBS								
	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA GRASS	5 GALLON	24" O.C.	+/- 49	PER PLAN	LOW	C-F /LPD.1
	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	5 GALLON	30" O.C.	+/- 48	PER PLAN	LOW	C-F /LPD.1
	DIANELLA REVOLUTA 'LITTLE REV'	LITTLE REV FLAX LILY	5 GALLON	24" O.C.	+/- 108	PER PLAN	LOW	C-F /LPD.1
	HEMEROCALIS 'LADY SCARLET'	LADY SCARLET DAYLILY	5 GALLON	24" O.C.	+/- 45	PER PLAN	LOW	C-F /LPD.1
	HESPERALOE PARVIFLORA 'BRAKELIGHTS'	RED YUCCA	5 GALLON	30" O.C.	+/-32	PER PLAN	LOW	C-F /LPD.1
	JUNCUS EFFUSUS 'BIG TWISTER'	BIG TWISTER RUSH	5 GALLON	30" O.C.	+/-35	PER PLAN	MED	C-F /LPD.1
	MAHONIA AQUIFOLIUM 'ORANGE FLAME'	MAHONIA ORANGE FLAME	5 GALLON	30" O.C.	+/-208	PER PLAN	LOW	C-F /LPD.1
	OLEA EUROPAEA 'MONTRA'	LITTLE OLLIE DWARF OLIVE	5 GALLON	30" O.C.	+/- 76	PER PLAN	LOW	C-F /LPD.1
	ROSA X 'NOARE'	FLOWER CARPET RED ROSE	5 GALLON	48" O.C.	+/-37	PER PLAN	LOW	C-F /LPD.1
	LIGUSTRUM JAPONICUM 'TEXANUM'	WAXLEAF PRIVET	5 GALLON	30" O.C.	+/-44	PER PLAN	LOW	C-F /LPD.1
	TECOMA HYBRID 'BELLS OF FIRE'	BELLS OF FIRE ESPARANZA	5 GALLON	30" O.C.	+/-32	PER PLAN	LOW	C-F /LPD.1

NOTE:
1. QUANTITIES SHOWN ARE APPROXIMATE, CONTRACTOR SHALL VERIFY COUNTAND ADJUST BASED ON ACTUAL FIELD CONDITIONS AND SIZE OF PLANTERS.
2. ALL PLANT MATERIAL SHALL BE REVIEWED AND APPROVED BY OWNER REP. AND LANDSCAPE ARCHITECT.
3. ALIGN TREES WITH PARKING STALLS STRIPING.
4. CONTRACTOR SHALL INSTALL 2 AERATION TUBES, 48" IN LENGTH FOR ALL TREES INCLUDING PALMS. INSTALL 4 DEVICES FOR EXISTING TREES GREATER THAN 6" TRUNK DIAMETER.

AGRONOMIC SOILS REPORT REQUIREMENT

AFTER MAJOR GRADING OPERATIONS ARE COMPLETED, CONTRACTOR SHALL OBTAIN SOIL SAMPLES FROM MIN 6" DEPTH AND SUBMIT TO AN APPROVED LABORATORY FOR ANALYSIS AND RECOMMENDATIONS. OBTAIN A MINIMUM OF 1 SAMPLE PER ACRE AND 1 SAMPLE AFTER IMPLEMENTATION OF FIRST REPORT FOR VERIFICATION SOIL MEETS SOILS LAB STANDARDS. REPORTS MUST BE SUBMITTED TO LANDSCAPE ARCHITECT, CITY AND OWNERS REP. FOR REVIEW AND APPROVAL.

LANDSCAPE IRRIGATION INTENT:

IT IS THE INTENT TO PROVIDE AN IRRIGATION DESIGN UTILIZING DRIP IRRIGATION SYSTEM FOR THE ENTIRE SITE BURIED A CONSTANT 4" BELOW FINISH GRADE AND STAPLED DOWN @ 5' INTERVALS FOR ADDED PROTECTION. THE IRRIGATION SYSTEM SHALL BE CONTROLLED BY A SMART CONTROLLER WITH ONSITE WEATHER SENSOR AND REMOTE OPERATION THROUGH THE INTERNET FROM CENTRAL LOCATION. CONTROLLER SHALL BE A TYPE WHICH AUTOMATICALLY ADJUSTS RUNTIMES AND FREQUENCIES BASED, NOT ONLY ON HISTORICAL ET, BUT ACTUAL ONSITE WEATHER CONDITIONS.

DIGALERT
Call 2 Working Days Before You Dig!
811

LANDSCAPE AREA CALCULATION NOTE:

TOTAL SITE AREA: 35,425 SQFT

EXISTING LANDSCAPE: 2,716 SQFT (7.7%)

TOTAL PROPOSED TURF AREA: 0 (0%)
TOTAL PROPOSED PLANTING (SHRUB/GROUNDCOVER) AREA: 7,040 S.F. (100%)

TOTAL PROPOSED LANDSCAPE: 7,040 S.F. (20%)

TITLE 23 - WATER EFFICIENT LANDSCAPE COMPLIANCE NOTE

I HAVE COMPLIED WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE ORDINANCE (STATE OF CALIFORNIA TITLE 23, DIVISION 2, CHAPTER 2.7) AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF LANDSCAPE DESIGN PLAN.

BRANDON PETRUNIO, ________ DATE: June 29, 2025
RLA 5894:

10' 5' 0' 10' 20' 30'
SCALE: 1" : 10'
GRAPHIC SCALE

N S E W

the Habit BURGER GRILL

Seal
Signature
01/31/2027
Renewal Date
6/29/2025
Date
STATE OF CALIFORNIA

Consultant- Landscape Architect
BPA LANDSCAPE ARCHITECTS
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LANDSCAPE
PLANTING PLAN

Project Number: 24-253
Plan Check Number:

SHEET
LP.1

PLANTING NOTES

1. NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE AND THE CITY/ COUNTY INSPECTORS (PLANNING, BUILDING, WATER,HEALTH, ETC) 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES, AND CONFIRM ANY OUTSTANDING PERMITS OR SUBMITTALS. COORDINATE WITH OWNERS REP AND LANDSCAPE ARCHITECT ANY OUTSTANDING ITEMS.
2. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES OR OMISSIONS IN THE DRAWINGS OR BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE OWNERS REPRESENTATIVE AND LANDSCAPE ARCHITECT. CORRECTED DRAWINGS OR INSTRUCTION SHALL BE ISSUED PRIOR TO THE CONTINUATION OF THIS WORK. CONTRACTOR ASSUMES FULL RESPONSIBILITY/LIABILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT KNOWN DISCREPANCIES.
3. LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND PROTECT THEM FROM DAMAGE. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY AND ASSUME FULL RESPONSIBILITY FOR EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH DAMAGED UTILITIES. ADJUST LOCATION OF ALL TREES TO BE PLANTED AT LEAST 5' FROM ANY UNDERGROUND UTILITY SUCH AS SEWER, GAS, STORM DRAIN, ELECTRICAL, CABLE, OR TELEPHONE.
4. LOCATION OF N.I.C. CONSTRUCTION ELEMENTS SUCH AS LIGHTS, SIGNS, VENTS, HYDRANTS, TRANSFORMERS, ETC. ARE APPROXIMATE. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY SHOULD THE LOCATION OF THESE ITEMS INTERFERE WITH THE PROPER EXECUTION OF WORK.
5. IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL PRIOR TO PLANT MATERIAL WITH THE EXEMPTION OF 24"+ BOX TREES. CONTRACTOR SHALL HAND WATER MATERIAL IF IRRIGATION SYSTEM WILL NOT BE FUNCTIONAL WITHIN 48 HOUR PERIOD AT NO COST TO OWNER.
6. PROVIDE PRE-PLANT WEED CONTROL IN ALL PROPOSED PLANTER AREAS, PER SPECIFICATIONS, PRIOR TO START OF PLANTING. USE A NON-SELECTIVE SYSTEMIC CONTACT HERBICIDE, APPLIED PER MANUFACTURER'S RECOMMENDATIONS AND LEAVE SPRAYED PLANTS INTACT FOR AT LEAST 14 DAYS BEFORE REMOVING BY MOWING OR GRUBBING. APPLY WATER AND FERTILIZER BY IRRIGATION OR BY HAND FOR 10 DAYS AS REQUIRED TO ACHIEVE WEED GERMINATION, AND THEN RE-APPLY CONTACT HERBICIDES PER ABOVE. REPEAT AS REQUIRED TO ELIMINATE ALL WEEDS PRIOR TO PROCEEDING WITH PLANTING OPERATIONS. MINIMUM 2 APPLICATIONS.
7. ONCE ROUGH GRADES HAVE BEEN ESTABLISHED IN PLANTING AREAS, SOIL SAMPLES SHALL BE TAKEN @ RATE OF 1 SAMPLE PER ACRE. SAMPLES SHALL BE TESTED BY AN APPROVED SOILS LABORATORY FOR STANDARD AGRICULTURAL SUITABILITY ANALYSIS AND SOILS MANAGEMENT REPORT TO BE PROVIDED. TAKE TWO SAMPLES AT EACH LOCATION: (1) GROUND LEVEL TO 8" DEEP, (2) 24" TO 36" DEEP. EACH SAMPLE SHALL CONTAIN APPROXIMATELY 1 QUART OF SOIL TO BE LABELED PER LOCATION AND DEPTH. SUBMIT SOIL REPORT TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO IMPLEMENTATION. INSTALL SOIL PREPARATION AND BACK FILL MIX TO CONFORM TO APPROVED RECOMMENDATIONS. PROVIDE (2) TWO FOLLOW-UP TESTS POST INCORPORATION FOR COMPLIANCE VERIFICATION. ANY FURTHER DEFICIENCIES SHALL BE INCORPORATED AT NO COST TO OWNER AND SUBSEQUENT REPORT PROVIDED UNTIL SOIL IS DEEMED ACCEPTABLE BY LAB.
8. OBTAIN ALL SOIL FOR LANDSCAPE PLANTING AREAS OR BERMS AND RAISED PLANTER BACKFILL (UNLESS OTHERWISE NOTED) FROM ON-SITE EXCAVATIONS IF DEEMED ACCEPTABLE BY SOILS LAB. SHOULD IMPORT SOIL BE NECESSARY, SUBMIT IMPORT SOIL TESTING RESULTS FOR APPROVAL PRIOR TO IMPORTATION. SOIL SHALL BE SANDY LOAM, BE DEEMED VIABLE MATERIAL BY SOILS LAB TEST REPORT. SOILS MAY NOT CONTAIN TOXIC CHEMICALS OR ELEMENTS WHICH MAY INHIBIT OR RETARD NORMAL PLANT GROWTH AND BE VIABLE WITH MINIMAL POST DELIVERY MODIFICATION.
9. REMOVE ALL WEED, ROCKS OVER 2" DIAMETER, DEBRIS AND OTHER EXTRANEOUS MATERIALS FROM THE UPPER 6" OF SOIL AND ALL BACKFILL AND DISPOSE OF OFFSITE IN A LEGAL MANNER.
10. ENSURE THAT ROUGH GRADING HAS BEEN CERTIFIED BY CIVIL ENGINEER AND THAT CIVIL ENGINEER OR OWNER'S AUTHORIZED REPRESENTATIVE HAS APPROVED FINE GRADING TO $\frac{1}{10}$TH OF A FOOT PRIOR TO BEGINNING SOIL PREPARATION OPERATIONS. PROVIDE FOR INCLUSION OF ALL AMENDMENTS, SETTLING, ETC. IN DETERMINATION OF FINAL GRADES. ASSURE POSITIVE DRAINAGE IN ALL PLANTING AREAS, AND WATER TO BE DIRECTED AWAY FROM STRUCTURES AND HAZARDOUS CONDITIONS.
11. CONTRACTOR RESPONSIBLE TO LOCATE AND TAG ALL PLANT MATERIAL. MATERIAL SHALL BE IN CONFORMANCE WITH PLANTING PLAN DESCRIPTIONS, SPECIFICATIONS, AND AS OUTLINED IN ANSI Z60.1. ALL PLANT MATERIAL IS SUBJECT TO REVIEW AND APPROVAL PRIOR TO INSTALLATION. PROVIDE PHOTOS OF REPRESENTATIVE EXAMPLES OF EACH TAGGED BLOCK TO LANDSCAPE ARCHITECT MINIMUM 14 DAYS PRIOR TO ANTICIPATED DELIVERY. PHOTOS SHALL INCLUDE A PERSON AND/OR POLE WITH CLEAR 1' INTERVAL MARKINGS FOR SCALE PURPOSES. LANDSCAPE ARCHITECT MAY OPT TO REVIEW MATERIAL AT NURSERY AT THEIR DISCRETION. MATERIAL DELIVERED TO THE SITE MAY BE REJECTED BASED ON UNHEALTHY APPEARANCE OR NON-CONFORMANCE EVEN IF PREVIOUSLY REVIEWED AND APPROVED.
12. TREES SHALL BE STRAIGHT AND OF UNIFORM SHAPE WITHOUT DAMAGED, CROOKED OR MULTIPLE LEADERS. TREES WITH ABRASIONS OF THE BARK, SUN SCALDS, DISFIGURING KNOTS OR FRESH CUTS OF LIMBS OVER 1/2 INCH WHICH HAVE NOT BEEN PRUNED AND PAINTED OR COMPLETELY CALLOUSED, WILL NOT BE ACCEPTED. NURSERY STOCK SHALL HAVE GROWN IN SPECIFIED CONTAINER SIZE FOR A MINIMUM TIME TO FULLY ROOT INSIDE SAID CONTAINER.
13. FINAL LOCATION OF ALL PLANT MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT.
14. THE PLANTING PLANS ARE ONLY ACCURATE FOR PLANTING LOCATION AND TYPES. PLANTING QUANTITIES ARE GIVEN FOR CONVENIENCE ONLY, CONTRACTOR SHALL VERIFY ALL QUANTITIES BY PLAN CHECK AND BASED UPON ACTUAL FIELD CONDITIONS. THE PLANTING LEGEND IS ACCURATE ONLY FOR PLANT TYPE AND MINIMUM SIZE. IN THE EVENT OF A DISCREPANCY, THE CONTRACTOR SHALL ADJUST THE QUANTITIES OF THE SMALLEST PLANT SIZE SPECIFIED IN THE LEGEND TO CONFORM WITH THE QUANTITIES REQUIRED BY THE PLAN AND ACTUAL FIELD CONDITIONS. PLANT SYMBOLS AND SPECIFIED SPACING SHALL TAKE PRECEDENCE.
15. INSTALL GROUND COVER AND/OR SHRUB MASSES WITH TRIANGULAR SPACING UNLESS OTHERWISE INDICATED. AT EDGES OF PLANTING AREAS, THE CENTER LINE OF THE LAST ROW OF SHRUBS AND/OR GROUND COVER SHALL BE LOCATED AT ONE-HALF THE SPECIFIED ON CENTER SPACING FROM EDGE.
16. REMOVE ALL NURSERY STAKES AND ESPALIER RACKS IMMEDIATELY AFTER INSTALLATION UPON PROVIDING SUPPORT PER PLAN UNLESS OTHERWISE CONFIRMED IN WRITING WITH OWNER/ LANDSCAPE ARCHITECT.
17. DURING THE LENGTH OF THE GUARANTEE PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER STAKING AND/OR GUYING OF TREES TO ENSURE STABILITY.
18. MULCH ALL LANDSCAPE AREAS (EXCLUDING TURF AND BIO-RETENTION BASIN BOTTOMS) WITH A 3" DEEP LAYER OF 1/2"-1 1/2" FOREST FLOOR MULCH BY AGUINAGA GREEN OR APPROVED EQUAL, AT THE CONCLUSION OF PLANTING OPERATIONS. MATERIAL SHALL BE SPREAD EVENLY,RAKED SMOOTH AND THOROUGHLY WETTED TO AID IN COMPACTION. SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. *KEEP BARK MULCH 4" CLEAR FROM BASE OF TREES, AND 3" FROM SHRUBS, GRASSES, AND SUCCULENTS.
19. CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND/OR REPLACEMENT OF ANY DAMAGED LANDSCAPE AREAS AND PLANT MATERIAL WITHIN AND OUTSIDE THE LIMITS OF WORK. REPLACEMENT PLANT MATERIAL MUST BE OF MATCHING SPECIES AND EQUAL SIZE; TURF SHALL BE SOD FORM. ANY REPAIRS TO TREES OR SHRUBS SHALL BE AS DIRECTED BY CERTIFIED ARBORIST HIRED BY CONTRACTOR AT NO COST TO OWNER. A REPORT SHALL BE PROVIDED ON ARBORIST LETTERHEAD AND SUBMITTED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF REPAIRS. CREDIT SHALL BE PROVIDED FOR TREES OF LESSER SIZE, WITH EXISTING TREE VALUE ESTABLISHED BY USING THE TRUNK FORMULA METHOD AS DEFINED IN THE "GUIDE FOR PLANT APPRAISAL", CURRENT EDITION AT TIME OF CALCULATION.
20. INSTALLATIONS THAT ARE ADJACENT TO OPEN SPACE, NATURALIZED SLOPES OR UNDEVELOPED LAND ARE SUBJECT TO DAMAGE BY RODENTS OR DEER AND SHALL BE TREATED WITH AN APPROPRIATE REPELLENT IN A SPRAY AND/OR TABLET FORM, WHERE ALLOWED BY CURRENT REGULATIONS. MATERIAL SUCH AS REPELLEX BY GROPOWER OR APPROVED EQUAL, THAT PROVIDES IMMEDIATE AND LONG TERM PROTECTION, SHALL BE USED.
21. INSTALL EROSION CONTROL MAT ON SLOPES 2:1 AND STEEPER (SLOPES 1:1 AND GREATER ARE TO RECEIVE BIOD-MAT 70). KEY IN MATERIAL @ TOP OF SLOPE AND SECURE WITH 12" LONG HEAVY DUTY GALVANIZED SOIL STAPLES (8" LONG NAILS MAY BE USED WHERE SOIL HARDNESS PREVENTS USE OF STAPLES) 12" O.C. HORIZONTALLY ALONG SLOPE AND 5' O.C. VERTICALLY DOWN THE SLOPE (MINIMAL TOP,MIDDLE AND TOE WHERE SHORT SLOPES APPLY). PROVIDE MINIMUM 2' OVERLAP AT TOP AND BOTTOM AND MINIMUM 6" OVERLAP ALONG SIDES OF MATERIAL.
22. ROOT BARRIERS SHALL BE INSTALLED AT ALL TREES WITHIN 6 FEET OF ANY HARDSCAPE, PAVEMENT OR CURB. ROOT BARRIERS TO BE 'UB24-2' BY DEEP ROOT CORPORATION, (800) 458-7668, INSTALLED PER MANUFACTURER'S SPECIFICATIONS. NOTE: ROOT BARRIERS SHALL NOT SURROUND OR CIRCLE THE ROOTBALL. ROOT BARRIERS INSTALLED ADJACENT TO A BIOSWALE SHALL NOT INTERFERE WITH DRAINAGE TO OR FROM THE BIOSWALE SYSTEM.

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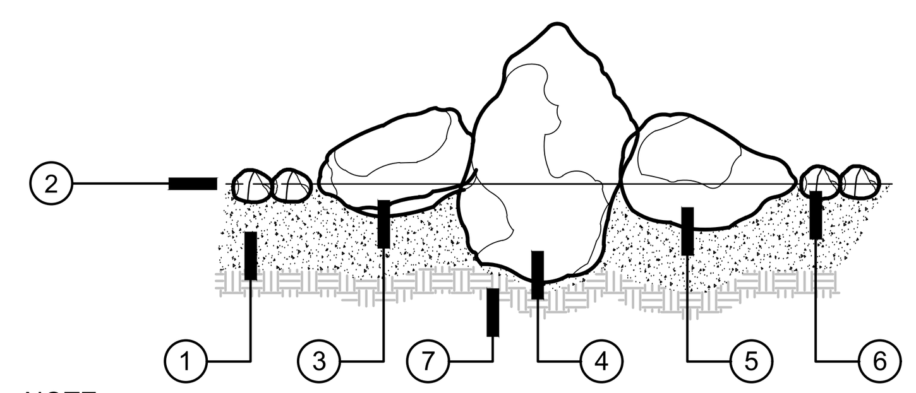
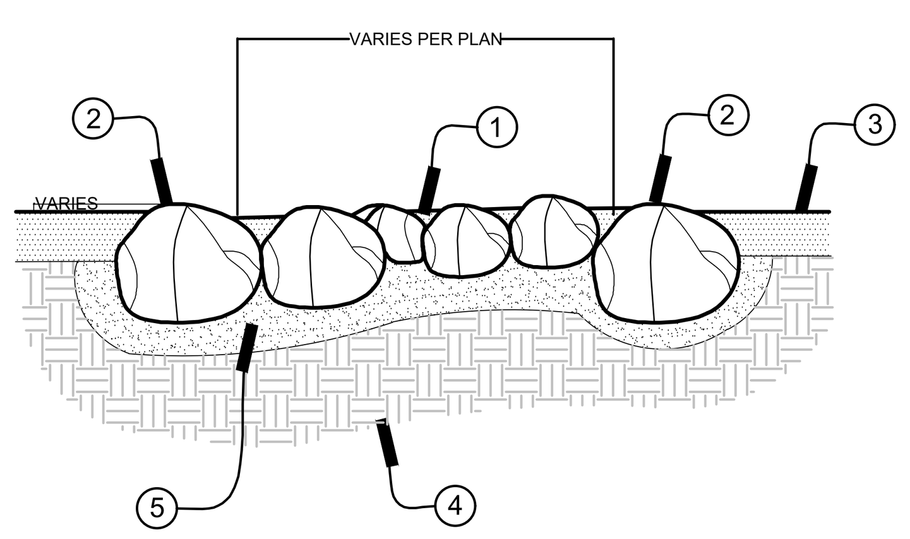


NOTE:
A. SIZE: 24"-48" BOULDERS.
B. 1/3 -1/2 OF BOULDER TO BE BURIED BELOW FINISHED GRADE.
C. REFER TO BOULDER LEGEND FOR COLOR, AND SIZE OF BOULDER.

LEGEND
1. 3 INCH THICK SAND BASE.
2. FINISHED SURFACE PER PLAN.
3. ACCENT GRANITE BOULDER.
4. VERTICAL PLACED GRANITE BOULDER.
5. ACCENT GRANITE BOULDER.
6. COBBLE STONE.
7. COMPACTED GRADE.

D BOULDER (HORIZONTAL / VERTICAL)

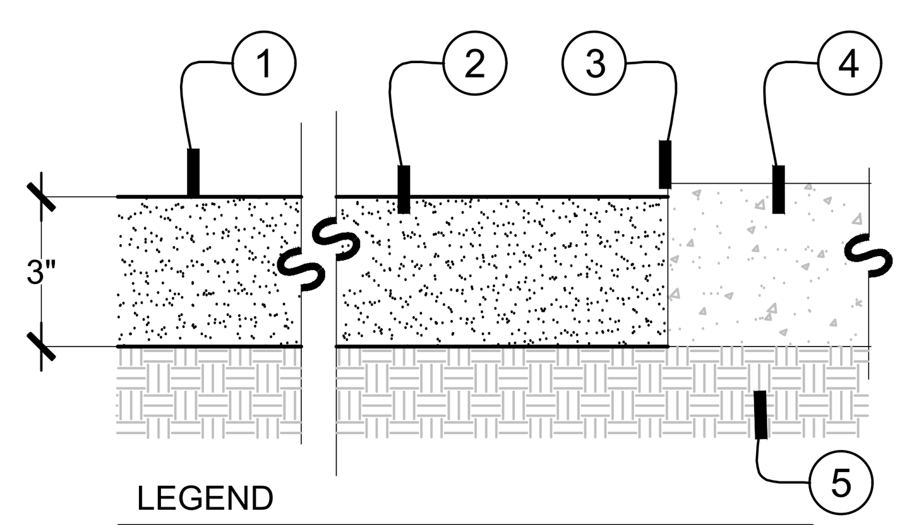
SCALE: NTS



LEGEND
1. INFILL GAPS WITH DG.
2. COBBLESTONE EDGE 4"-8" DIA. - TO BE APPROVED BY L.A.-SUBMIT SAMPALE PRIOR TO INSTALLATION. BURRY MIN 1/2 TO 2/3 OF COBBLE
3. FINISHED GRADE PER PLAN. DECOMPOSED GRANITE PER CONSTRUCTION PLAN LEGEND.
4. COMPACTED SUB-GRADE SEE STRUCTURAL SOILS REPORT FOR PERCENTAGE
5. 1" SAND BED FILL COBBLE GAPS WITH DG

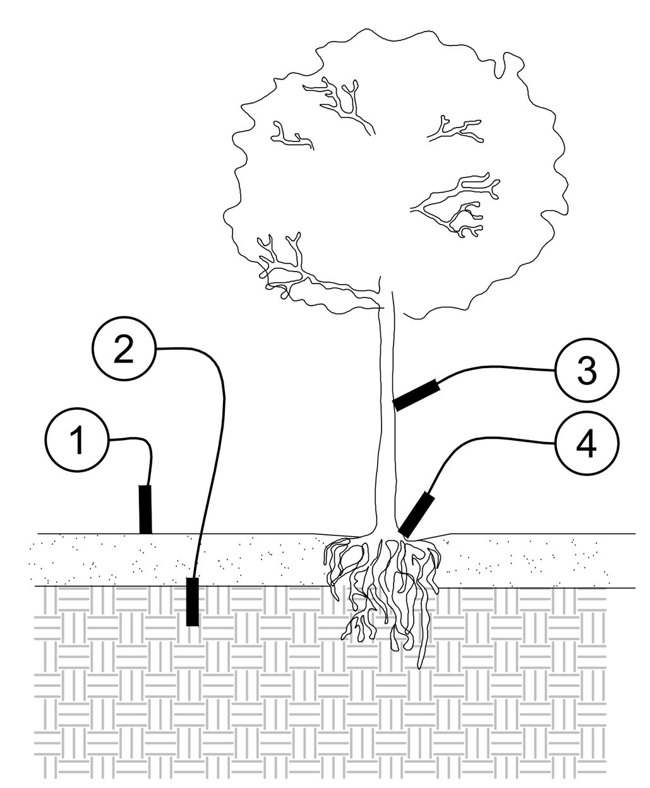
E COBBLE

SCALE: NTS



LEGEND
1. FINISH GRADE
2. DECOMPOSED GRANITE OR GRAVEL PER LEGEND
3. SET 1/2" MAX BELOW HARDSCAPE/ STEEL EDGE/ CONCRETE BAND
4. CONCRETE BAND/ PAVING OR STEEL EDGING (WHERE OCCURS).
5. COMPACTED SUB-GRADE (90% MIN).

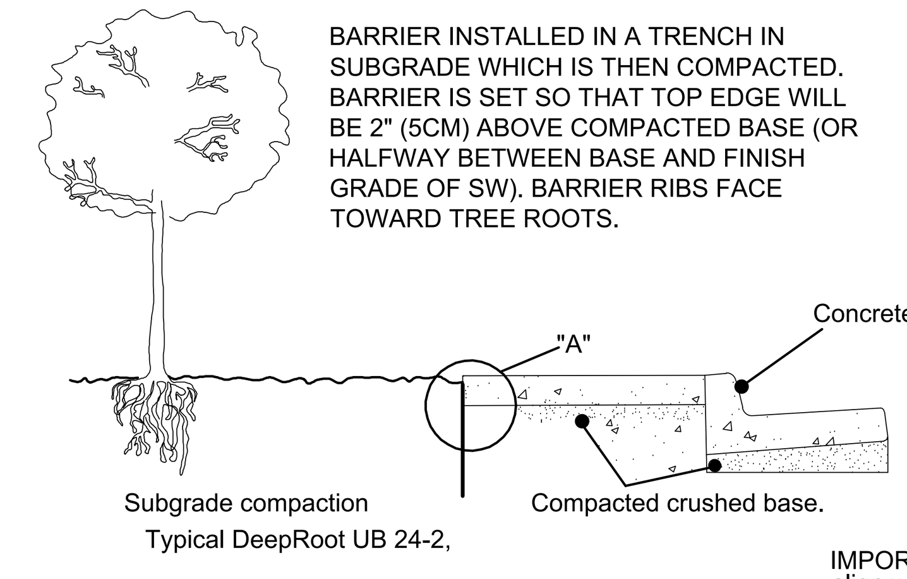
NOTES:
APPLY PRE-EMERGENT ON SUB-GRADE PRIOR TO LAYING PROPOSED MATERIALS.



LEGEND: @ PLANT MATERIAL
1. FINISH GRADE- DECOMPOSED DG OR GRAVEL PER LEGEND
2. PREPARED SUB-GRADE
3. PLANT STEM/ TRUNK
4. KEEP DG AWAY FROM PLANT TRUNK/ STEM, SLOPE TOWARDS PLANT TO GE TO GRADE. MAX 1" DG ON TOP OF ROOT BALL.

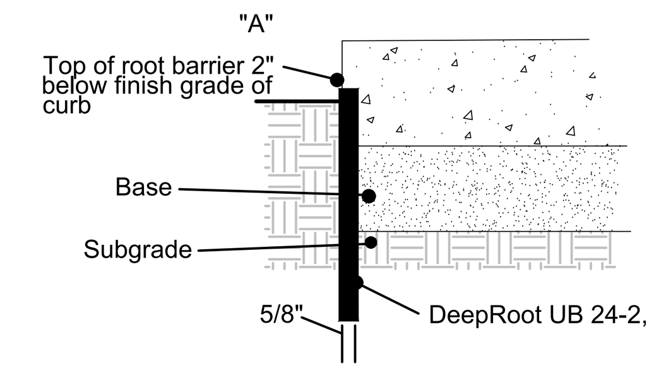
F GRAVEL PLACEMENT

SCALE: NTS

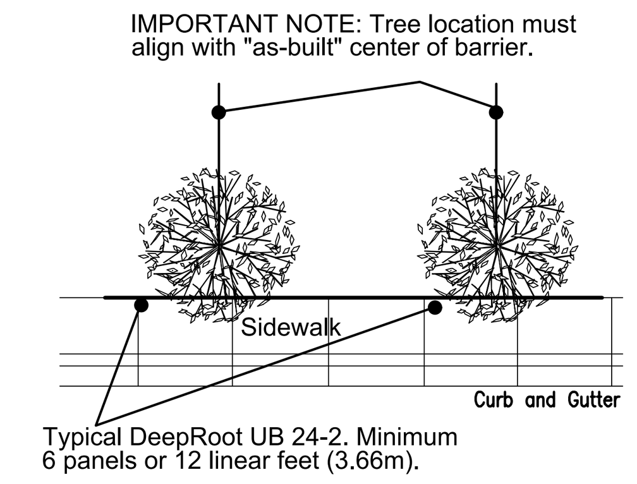


BARRIER INSTALLED IN A TRENCH IN SUBGRADE WHICH IS THEN COMPACTED. BARRIER IS SET SO THAT TOP EDGE WILL BE 2" (5CM) ABOVE COMPACTED BASE (OR HALFWAY BETWEEN BASE AND FINISH GRADE OF SW). BARRIER RIBS FACE TOWARD TREE ROOTS.

INSTALLATION SEQUENCE:
1. PREPARE BASE AND SUBGRADE
2. TRENCH TO APPROPRIATE DEPTH FOR INSTALLATION OF ROOT BARRIER SO THAT TOP OF BARRIER IS 2" (5CM) BELOW FINISH GRADE OF TOP OF SIDEWALK (OR HALFWAY BETWEEN TOP OF COMPACTED BASE AND FINISH GRADE OF SW)
3. PLACE ROOT BARRIER IN TRENCH, VERTICAL RIBS MUST FACE TOWARD TREE ROOTS.
4. BACKFILL AND COMPACT TO REQUIREMENTS.
5. PLACE FORM MATERIAL AGAINST BARRIER (IT MAY BE NAILED FROM THE OUTSIDE OF THE FORM)

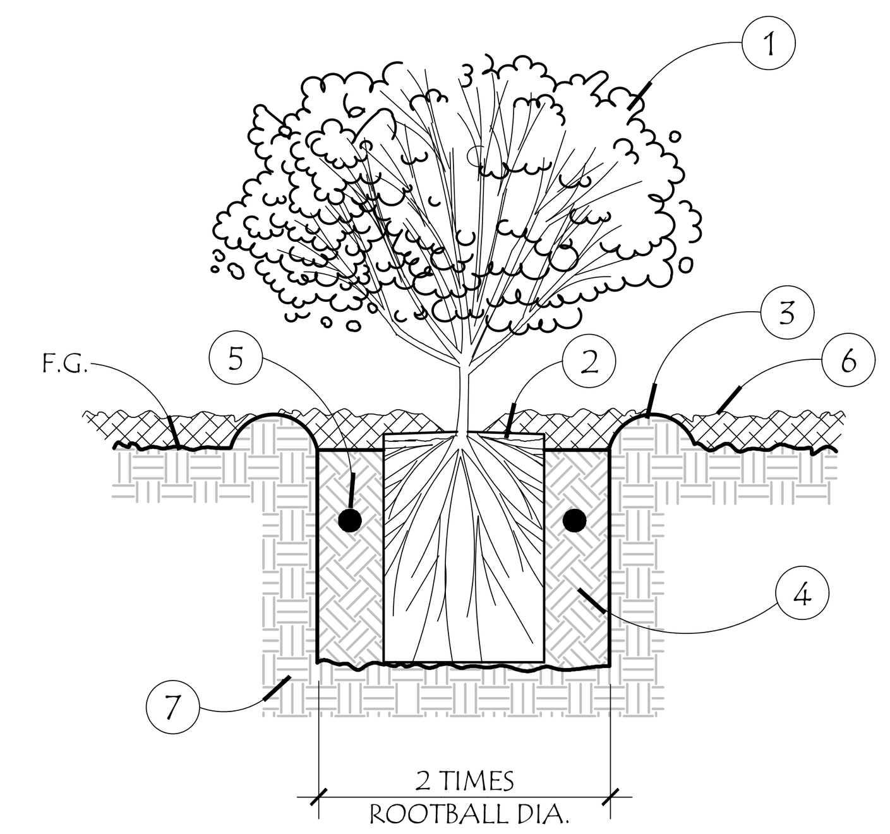


IMPORTANT NOTE: Tree location must align with "as-built" center of barrier.



B LINEAR ROOT BARRIER

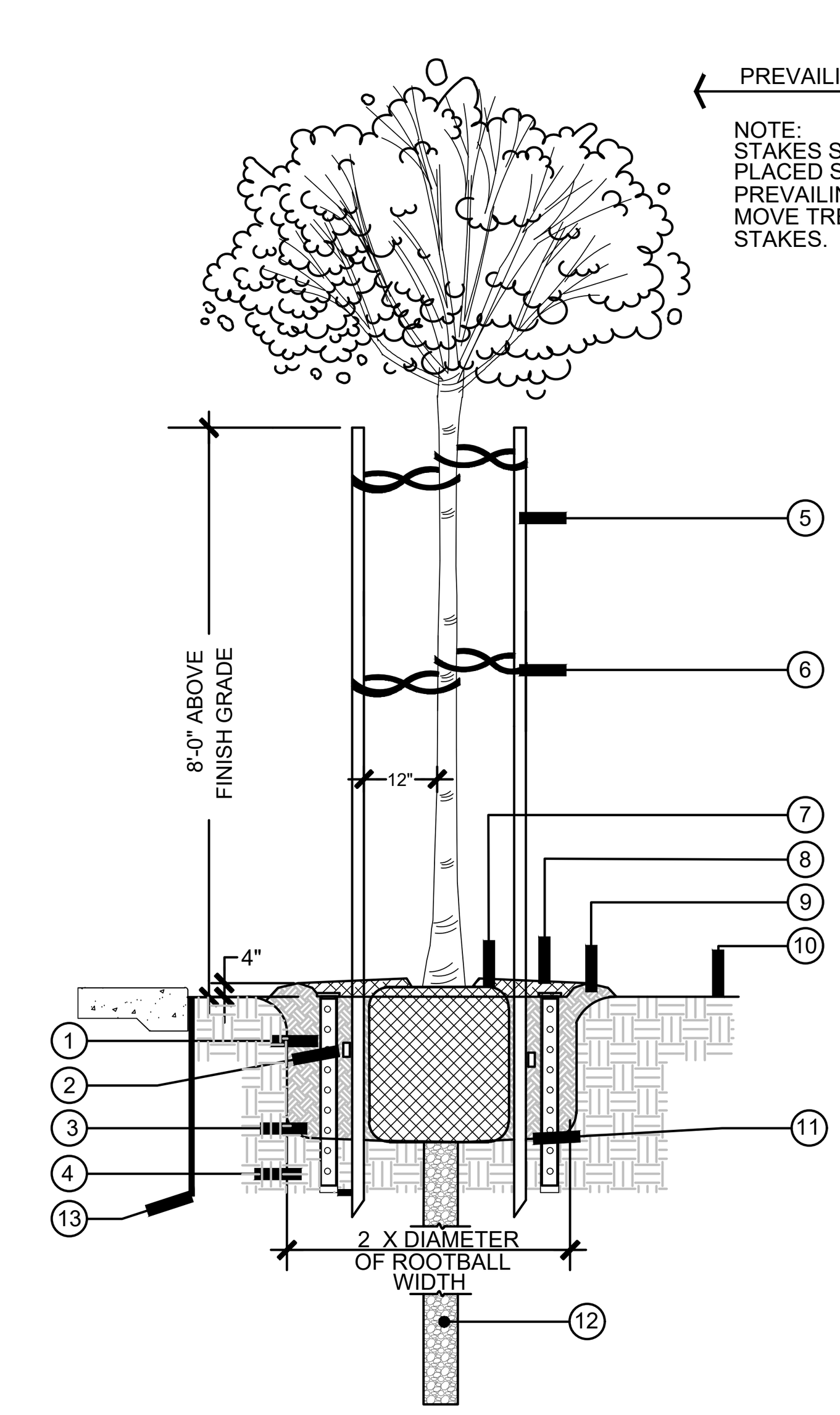
SCALE: NTS

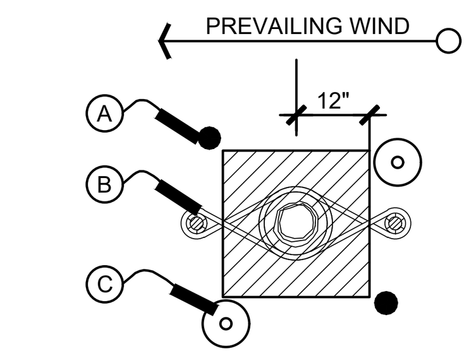


LEGEND
1. PLANT PER LEGEND - 1 GALLON THRU 15 GALLON CONTAINER
2. SET CROWN 1/2" - 1" ABOVE SURROUNDING GRADE.
3. WATER BASIN MIN 4" DEPTH. REMOVE PRIOR TO END OF MAINTENANCE PERIOD.
4. AMENDED BACKFILL - RIP AND TILL ENTIRE PLANTING AREA TO A DEPTH OF 10" & INCORPORATE AMENDMENTS IN THE UPPER 1/3 OF PLANT PIT.
5. 20-10-5 FERTILIZER TABLET PER SPECS. IN ADDITION TO COMPOST AND FERTILIZERS.
6. 3" MULCH OR OTHER GROUND PLANE MATERIAL PER PLAN, KEEP MATERIAL AWAY FROM PLANT STEM AND LOWER BRANCHES.
7. UNDISTURBED SOIL.

C SHRUB PLANTING

SCALE: NTS





DOUBLE STAKE PLAN VIEW

LEGEND
A. BUBBLER PER IRRIGATION PLAN
B. TREE ROOTBALL
C. AERATION DEVICE PER NOTE 1 BELOW

NOTES:
- INSTALL 3' DIAMETER RING OF MULCH @ BASE OF TREES. CONTRACTOR SHALL INCREASE DIAMETER 12" FOR EVERY ADDITIONAL SIZE OVER 24" BOX.
- INSTALL ARBORGARD + @ BASE OF TREES IN TURF AREAS ONLY, INSTALL PER MANU. RECOMMENDATIONS.
- AUGURED HOLE CAN BE OMITTED FOR AREAS PASSING PERCOLATION TESTS. CONTRACTOR SHALL TEST MULTIPLE HOLES PER APPROVED PERC. TEST METHOD.
- REMOVE CONCRETE DEBRIS OR OVER-POURS AS REQ'D. TO ALLOW ROOT BARRIER TO LAY FLUSH AGAINST ADJACENT HARDSCAPE.

21-GRAM FERTILIZER TABLET CHART - NEW PLANTINGS

CONTAINER SIZE	1 GAL.	3 GAL.	5 GAL.	15 GAL.	24" BOX	36" BOX	48"BOX
RECOMMENDED QUANTITY	1	2-3	2-3	7-10	15-24	22-36	30-48

ESTABLISHED PLANTS (21 GRAM)
FOR EACH 12-18 INCHES OF PLANT HEIGHT OR SPREAD, OR FOR EACH 1/2 INCH OF TREE TRUNK DIAMETER USE:
1. ONE TABLET FOR SLOW GROWING PLANTS
2. TWO TABLETS FOR FAST-GROWING PLANTS OR POOR SOIL CONDITIONS.

LEGEND
1. 4" PERF. PVC PIPE W/ SAND SOCK; CAP BLACK N.D.S. DRAIN GRATE & HOLD IN PLACE W/ S.S. SET SCREW. SET FLUSH W/ GRADE & +6" BELOW ROOTBALL
2. PLANT TABLET. REFER TO SPECS AND TO TABLET LEGEND.
3. AMENDED BACKFILL. AMEND PER AGRONOMIC SOILS REPORT.
4. COMPACTED NATIVE.
5. 2"X12' PINE LODGE POLE STAKE OR APPROVED EQUAL (2 REQU.)
6. RUBBER CINCH-TIE (4 PER TREE.)
7. ROOTBALL TO BE SET 1" ABOVE FINISH GRADE.
8. 3" DEPTH OF MULCH REFER TO PLANTING LEGEND FOR TYPE.
9. 3"-4" HIGH BERM AROUND OUTSIDE OF ROOTBALL. REMOVE PRIOR TO END OF MAINTENANCE.
10. FINISH GRADE
11. PLANT PIT. SLOPE TO DRY SUMP.
12. DRY SUMP. 6" DIA. X 6' DEEP MIN, LINE W/ FILTER FABRIC FILL WITH 3/4" WASHED GRAVEL.
13. INSTALL #UB24-2 ROOT BARRIER, AT ALL TREES WITHIN 6' OF HARDSCAPE, MINIMUM 12' LENGTH, INSTALLED AT EDGE OF HARDSCAPE.

A TREE PLANTING

SCALE: NTS

the Habit BURGER GRILL

Seal

Consultant- Landscape Architect
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