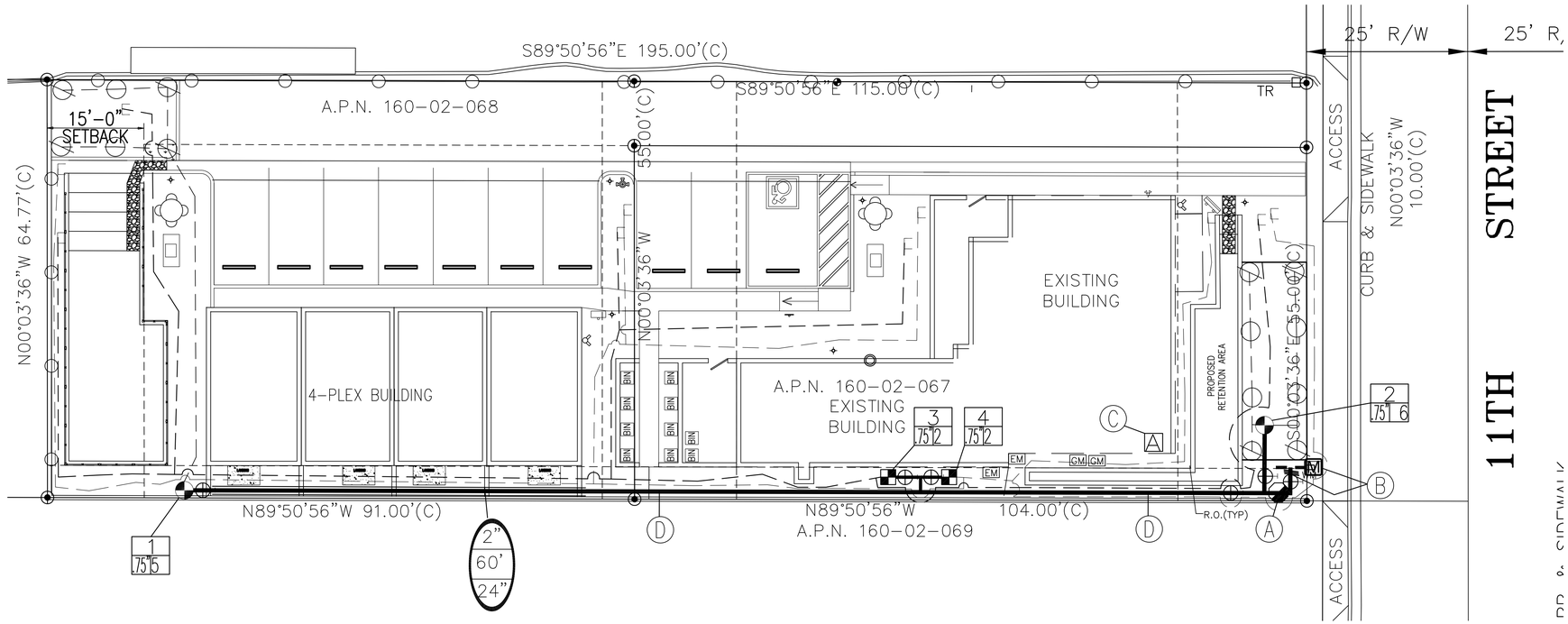
LANDSCAPE NOTES

1. CONTRACTOR TO VERIFY ALL SITE CONDITIONS PRIOR TO STARTING WORK.
2. LANDSCAPE ARCHITECT OR HIS REPRESENTATIVE RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL HE DEEMS UNACCEPTABLE BEFORE OR AFTER PLANTING.
3. GROUND COVER AND/OR DECOMPOSED GRANITE SHALL EXTEND UNDER SHRUBS UNLESS OTHERWISE NOTED AND ALL BEDS THRUOUT THIS SITE.
4. SOIL PREPARATION:
   A: PLANTING PIT BACKFILL FOR ALL TREES (15 GALLON AND LARGER) AND SHRUBS–GROUNDCOVER (5 AND 1 GALLON) SHALL BE AS FOLLOWS:
   6 PARTS BY VOLUME ON SITE SOIL
   4 PARTS BY VOLUME NITROLIZED SAWDUST
   1 PART BY VOLUME GYPSUM
   1 POUND 16–20–0 PER CUBIC YARD OF MIX
   B: ALL PLANTS WITH THE EXCEPTION OF GROUND COVERS AND TURF AREAS TO RECEIVE AGRIFORM (20–10–5) PLANTS TABS AT THE FOLLOWING RATES:
   1 GALLON 1–21 GRAM TABLETS
   5 GALLON 2–21 GRAM TABLETS
   15 GALLON 4–21 GRAM TABLETS
   24" BOX 6–21 GRAM TABLETS
5. ALL GRADING TO PLUS OR MINUS 1/10 OF ONE FOOT BY GENERAL CONTRACTOR. THE FINISH GRADING AND FINE RAKING BY LANDSCAPE CONTRACTOR.
6. ALL GROUND COVER AREAS FROM (1) GALLON CONTAINERS OR LARGER SHALL RECEIVE 2" MINIMUM DEPTH OF DECOMPOSED GRANITE.
7. ALL PLANTING AREAS TO HAVE DECOMPOSED GRANITE AS SPECIFIED.
8. LANDSCAPE CONTRACTOR TO APPLY (2) APPLICATIONS OF PRE–EMERGENT HEREBICIDE(S) COMPATIBLE WITH SEED MIXTURE(S) AND VEGETATIVELY PLANTED MATERIALS. CONTRACTOR TO USE ONLY APPROVED WEED CONTROL MATERIALS AND A LICENSED APPLICATOR. NO MATERIAL OR METHOD SHALL EFFECT THE LANDSCAPE PLANTING AND ESTABLISHMENT. MATERIALS AND METHODS MUST CONFORM TO FEDERAL, STATE AND LOCAL REGULATIONS.
9. PLANT AS PER DETAILS PROVIDED, ADJUSTMENTS WILL BE BY THE L.A. ONLY. BRING ANY PROPOSED CHANGES TO L.A.'S ATTENTION PRIOR TO CHANGES. AREAS OF STANDING WATER SHALL BE BROUGHT TO THE L.A.'S ATTENTION.
10. THE CORRECTION OF ALL DRAINAGE PROBLEMS IN ALL PLANT BEDS IS A PART OF THIS CONTRACT. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING APPROPRIATE GRADES TO ENSURE THAT ALL WATER SHALL NOT COLLECT IN ANY PLANT PITS OR PLANT BEDS OR AGAINST BUILDINGS AND WALKS.
11. ANY SUBSTITUTIONS, DELETIONS, ETC. SHALL BE APPROVED ONLY BY L.A.
12. CONTRACTOR SHALL PROVIDE THE OWNER WITH A ONE YEAR GUARANTEE ON ALL TREES AND IRRIGATION WORK AND WORKMANSHIP. CONTRACTOR SHALL PROVIDE THE OWNER WITH A 90 DAY GUARANTEE ON ALL SHRUBS. GROUNDCOVERS AND WORKMANSHIP. GUARANTEE SHALL BEGIN UPON FINAL ACCEPTANCE BY L.A. MAINTAIN ALL PLANTINGS UNTIL FINAL ACCEPTANCE BY THE L.A. IT IS THE LANDSCAPE CONTRACTORS RESPONSIBILITY TO ARRANGE A SITE MEETING, AT THE CONCLUSION OF THE GUARANTEE PERIOD, WITH THE OWNER.
13. VANDALISM CORRECTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. LANDSCAPE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PROTECT ALL WORK DURING CONSTRUCTION. PROVIDE FENCING/ROPING AS REQUIRED.
14. CONTRACTOR SHALL PROVIDE L.A. WITH THREE WEEK NOTICE ON THE FOLLOWING INSPECTIONS:
   1. INSPECTION OF FINISHED GRADES, PRIOR TO PLANTING, AND PLANT MATERIALS INSPECTIONS.
   2. IRRIGATION INSPECTIONS
   3. FINAL INSPECTIONS.
   THESE INSPECTIONS ARE REQUIRED. IT IS THE CONTRACTORS RESPONSIBILITY TO CALL THE L.A. AND SCHEDULE A TIME. THE COST OF THESE INSPECTIONS WILL BE THE RESPONSIBILITY OF THE OWNER.
15. SEE ALL GRADING, ENGINEERING, ARCH., SITE AND UTILITY PLANS. ALL LANDSCAPE WORK SHALL BE ADJUSTED AROUND SITE IMPROVEMENTS.
16. ALL PLANTINGS SHALL BE IRRIGATED – SEE IRRIGATION PLAN
17. OBTAIN ALL BONDS AS REQUIRED BY THE STATE AND LOCAL CODES TO PERFORM WORK AS SHOWN.
18. ANY SLOPES 4:1 (HORZ. : VERT.) AND STEEPER WHICH SHALL BE PLANTED WITH TREES, SHRUBS OR GROUNDCOVERS SHALL BE STABILIZED TO PREVENT EROSION SEE CIVIL PLANS FOR THE PROPOSED SLOPES.
19. ALL PERMITS AND BONDS, AS MAY BE REQUIRED BY THE CITY OR COUNTY, IN WHICH THIS PROJECT OCCURS, SHALL BE PAID FOR AND AVAILABLE AT THE TIMES REQUIRED BY THE GOVERNING BODY, AND PROVIDED FOR BY THE LANDSCAPE CONTRACTOR.
20. ALL TREES WITHIN THE SIGHT TRIANGLE TO BE TRIMMED UP 7' AND SHRUBS TO BE BELOW 2'.
21. PROVIDE 8% SLOPE AWAY FROM CURB OR WALK 5'–0" ALONG ALL SETBACKS
22. SETBACK ALL SPRAY AND STREAM TYPE IRRIGATION HEADS 1'–0" FROM BACK OF CURB OR SIDEWALK TO REDUCE OVERSPRAY.
23. AREAS OF DECOMPOSED GRANITE WITH OUT PLANT MATERIALS OR GROUNDCOVERS SHALL NOT EXCEED DIMENSIONS OF MORE THAN SEVEN FEET IN ANY ONE DIRECTION, MEASURED BETWEEN PLANT CANOPIES AND/ OR COVERAGE.



IRRIGATION PLAN

SCALE 1"=10'–0"

0 10 20 40

NORTH

IRRIGATION NOTES

1. IRRIGATION SYSTEM IS DESIGNED FOR 65 PSI. CONTRACTOR SHALL VERIFY WATER PRESSURE IN FIELD PRIOR TO STARTING CONSTRUCTION. SHOULD A DISCREPANCY EXIST BETWEEN PRESSURE AND THE FIELD PRESSURE, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.
2. CHECK AND VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO TRENCHING.
3. WHERE TREES, LIGHT STANDARDS, ETC. ARE AN OBSTRUCTION OF SPRAYS, PIPING AND SPRINKLER HEADS SHALL BE ADJUSTED AND/OR RELOCATED AS NECESSARY TO OBTAIN FULL COVERAGE WITHOUT EXCESSIVE OVERTHROW. DO NOT EXCEED SPACINGS SHOWN ON DRAWINGS.
4. IF IT BECOMES NECESSARY TO RELOCATE OR ALTER SPRINKLER HEADS, VALVES, PIPING, ETC. DUE TO CHANGE IN SITE CONDITIONS, CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING THESE REVISIONS.
5. PLANS ARE DIAGRAMMATIC AND APPROXIMATE. ALL VALVES SHALL BE LOCATED IN DECOMPOSED GRANITE PLANTING AREAS ONLY AND ALL SLEEVES SHALL BE INSTALLED PRIOR TO PAVING WORK. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING EXCEPT WHERE SHOWN ON DRAWINGS. CAP ALL ENDS HAND TIGHT, PRIOR TO BACKFILL.
6. ALL VALVE AND FLUSH BOX COVERS TO MATCH DECOMPOSED GRANITE. GREEN COVERS ARE NOT ACCEPTABLE.
7. SPRINKLER HEADS SPECIFIED ARE AVAILABLE IN VARYING DEGREES OF ARCHS. CONTRACTOR SHALL PROVIDE AT EACH HEAD, THE ARC MOST SUITED TO PROVIDE ADEQUATE COVERAGE AND PREVENT OVERSPRAY ON WALKS, ROADS, BUILDINGS, ETC.
8. ALL SLEEVES, PVC ELECTRIC SLEEVES, ETC. UNDER PAVING SHALL BE INSTALLED PRIOR TO PAVING WORK. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING EXCEPT WHERE SHOWN ON DRAWINGS. CAP ALL ENDS HAND TIGHT, PRIOR TO BACKFILL.
9. EACH REMOTE CONTROL VALVE SHALL BE CONNECTED TO AN AUTOMATIC CONTROLLER WITH NUMBER 14 PILOT WIRE AND NUMBER 14 COMMON WIRE – TYPE U.F., COPPER, U.L. APPROVED SOLID STRAND.
10. ALL AUTOMATIC CONTROLLERS, RISERS, BACKFLOW PREVENTERS AND HOSE BIBBS SHALL BE SET PLUMB. SPRINKLER HEAD RISERS, QUICK COUPLER VALVES AND ALL ALL VALVES WITH STEMS SHALL BE SET PERPENDICULAR TO FINISHED GRADE.
11. COORDINATE IRRIGATION WORK WITH PLANTING PLANS TO AVOID CONFLICTING LOCATIONS BETWEEN PIPING AND PLANT PITS.
12. ALL MATERIALS SHALL BE INSTALLED AS DETAILED ON DRAWINGS. HOWEVER, IF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS DO NOT THOROUGHLY DESCRIBE THE METHOD OF TECHNIQUES TO BE USED, THEN THE CONTRACTOR SHALL FOLLOW THE INSTALLATION METHODS ISSUED BY THE MANUFACTURER. ALL SUCH LITTERATURE MUST BE APPROVED BY THE IRRIGATION CONSULTANT.
13. USE COMMON TRENCHES WHERE POSSIBLE.
14. ADJUST BUBBLERS AND HEADS FOR PROPER HEAD TO HEAD COVERAGE.
15. USE CLASS 315 PVC PIPE FROM WATER OR SHUT OFF VALVE TO BACKFLOW PREVENTER.
16. PLACE ALL VALVES IN APPROVED VALVE BOXES.
17. USE SCH 40 RISERS FOR ALL EMITTERS/BUBBLERS, SHRUBS AND LAWN HEADS.
18. LATERAL PIPING TO BE A MINIMUM OF 12 INCHES DEEP AND MAIN LINES A MINIMUM OF 18 INCHES DEEP.
19. USE TEFLON TAPE OR PIPE JOINT COMPOUND ON ALL THREADED JOINTS.
20. USE 14 GAUGE U.F., U.L. DIRECT BURIAL WIRE FROM CONTROLLER TO ELECTRICAL VALVES.
21. USE SCHEDULE 40 PVC PIPE 2–1/2" TIMES LARGER THAN PIPE BEING HOUSED FOR SLEEVING UNDER ALL PAVING.

IRRIGATION LEGEND

SYMBOLS	HEADS	MODEL TYPE	DESCRIPTION	
	1804–SAM–PRS–12Q	RAINBIRD	LAWN POP–UP	0.65 G.P.M.
	1804–SAM–PRS–12H	RAINBIRD	LAWN POP–UP	1.30 G.P.M.

SYMBOLS	EMITERS	MODEL TYPE	DESCRIPTION
	XBT–10–6(1)/5 SHRUB	RAINBIRD	EMITTER 1.0 GPH
	XBT–20–6(1)/TREE	BOWSMITH	EMITTER 2.0 GPH

SYMBOLS	EQUIPMENT		
	RAINBIRD	XCZ–075–PRF	ELECTRIC VALVE, WYE STRAINER PRESSURE REGULATOR
	PEPCO	300 MPF	FLUSH VALVE

SYMBOLS	EQUIPMENT		
	RAINBIRD	PEB SERIES	REMOTE CONTROL VALVE
	WATTS	FBV–1	BALL VALVE
A	RAINBIRD	ESP4ME 4 STATION CONTROLLER	ELECTRIC CONTROLLER
M	1" BUILDING WATER METER AND WATER LINE		
	FEBCO	825Y	3/4" R.P.B.P.

SYMBOLS	PIPING
DOUBLE LINE	SCHEDULE 40 PVC PIPE (SLEEVE)
DASHED LINE	CLASS 160 PVC PIPE (LATERAL)
BOLD LINE	SCHEDULE 40 PVC PIPE (MAINLINE)

PIPE SCHEDULE	SIZE	GPM'S	SIZE	GPM'S
	1/2"	0–5 GPM	1–1/2"	26–35 GPM
	3/4"	6–10 GPM	1–3/4"	36–45 GPM
	1"	11–15 GPM	2"	46–55 GPM
	1 1/4"	16–25 GPM	2–1/4"	56–65 GPM

SLEEVE & VALVE CALLOUT

4" / 25' / 24" — SIZE OF PIPE; LENGTH OF PIPE; DEPTH OF PIPE BELOW PAVING

A / 1" / 10' — STATION CALLOUT; GALLONS PER MINUTE; SIZE OF VALVE

IRRIGATION NOTES

Ⓐ IRRIGATION CONTRACTOR TO SUPPLY AND INSTALL 3/4" FEBCO BACKFLOW PREVENTER.

Ⓑ IRRIGATION CONTRACTOR TO VERIFY LOCATION OF EXISTING BUILDING WATERLINE AND TAP INTO FOR IRRIGATION SYSTEM. THEN SET 3/4" TEE AND BALL VALVE AFTER T CONNECTION.

Ⓒ IRRIGATION CONTRACTOR TO SET NEW RAINBIRD ESP ELECTRIC CONTROLLER. SEE IRRIGATION LEGEND FOR CONTROLLER SIZES. GENERAL CONTRACTOR TO PROVIDE POWER.

Ⓓ 3/4" MAINLINE, TYP.

Ⓔ IRRIGATION SYSTEM IS DESIGNED WITH MULTI–PORT EMITTERS. PLACE THE MULTI–PORT EMITTERS IN THE MIDDLE OF THE SHRUBS SO NO DELIVERY TUBING WILL BE LONGER 6' IN LENGTH. EMITTER TO BE PLACE IN A 6" ROUND VALVE BOX AND DELIVERY TUBING TO BE BURIED A MINIMUM OF 4" IN THE SOIL. PLACE THE DELIVERY TUBING EVENLY AROUND THE TREE AND AT THE EDGE OF THE ROOT BALL. PLACE THE DELIVERY TUBING AT THE EDGE OF THE ROOT BALL. EXTEND THE DELIVERY TUBING SO THAT ONLY A 1/4" IS SHOWING ABOVE THE DECOMPOSED GRANITE.

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Irrigation Plan

REGISTERED LANDSCAPE ARCHITECT 4158 DONALD ROGER CAMPBELL 03.19.21 SIGNED ARIZONA, U.S.A.
EXP. 06/30/2020

Job No.: 19032
File: 19032XI
Drawn: DRC
Checked: DRC
Scale: PER PLAN
Date: 03.19.21

Revisions:

Sheet Number
L2.0
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