

NOTES:

- EXISTING IRRIGATION SYSTEM IS BEING MODIFIED TO PROVIDE INCREASED EFFICIENCY AND REDUCED WATER USE TO ACCOMMODATE THE 1.4 ACRE AREA EAST OF THE WALK BEING CONVERTED FROM BLUEGRASS TO NATIVE SEED INCLUDING:
- EXISTING ZONES 18 AND 20 WILL BE MODIFIED INTO TWO SEPARATE ZONES EACH, SO THE BLUEGRASS AREAS WEST OF THE WALK CAN BE IRRIGATED SEPARATELY FROM THE NATIVE GRASS AREAS EAST OF THE WALK.
 - A NEW DRIP IRRIGATION ZONE WILL BE INSTALLED TO PROVIDE IRRIGATION TO PLANNED XERIC SHRUB BEDS AND TO THE EXISTING AND NEW TREES WITHIN THE NATIVE SEED AREA.
 - NEW HUNTER I-CORE CONTROLLER AND FLOW SENSOR WILL BE INSTALLED TO REPLACE ORIGINAL CONTROLLER.

1 IRRIGATION CHANGES TO ACCOMMODATE NATIVE SEED CONVERSION
SCALE: 1"= 30'-0"



Project:

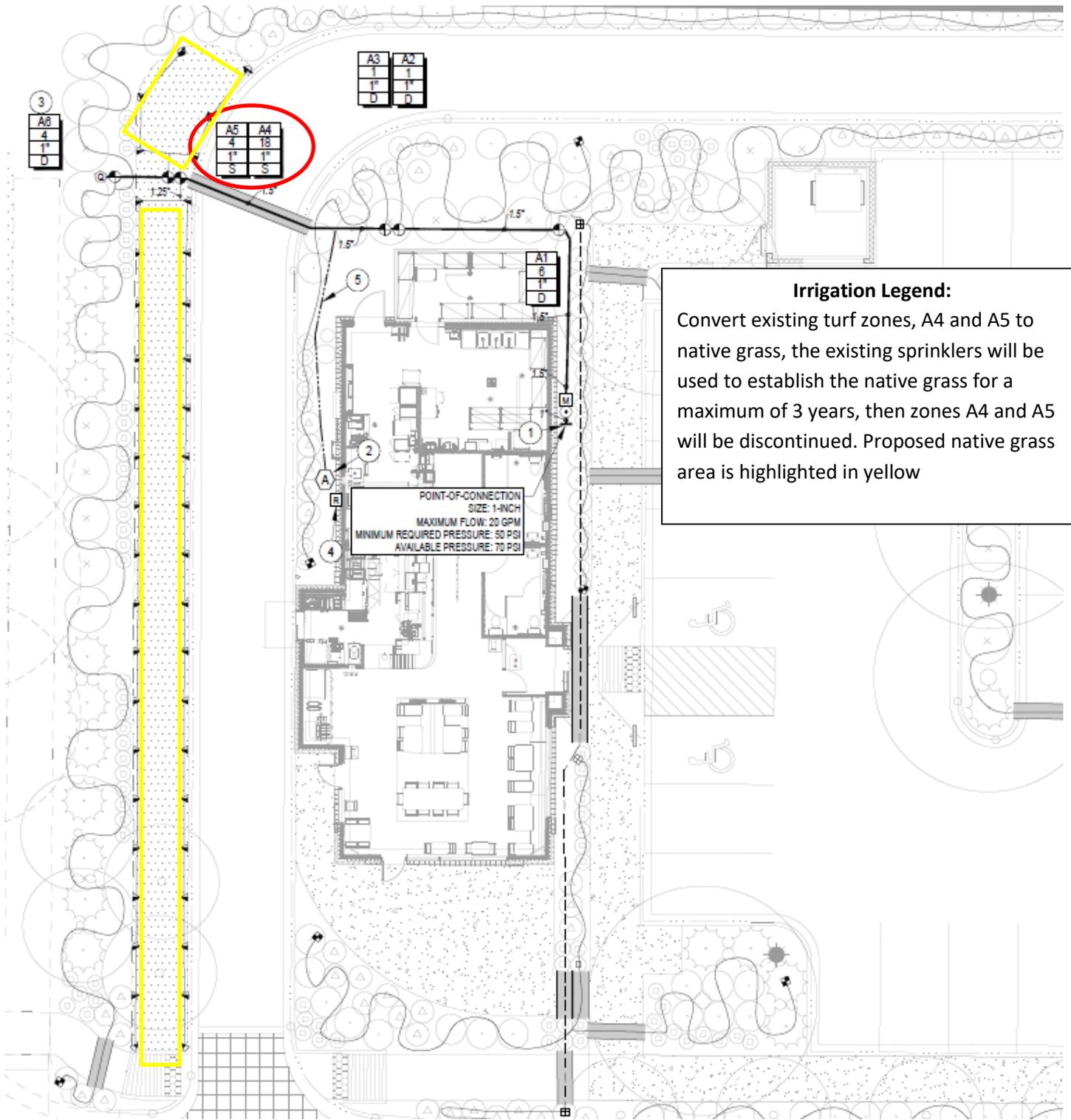
Client:

Revision & Date:
REV 1 - MAY 3 2019

Project Number:
Date: 04.11.2019
Produced by: AKM

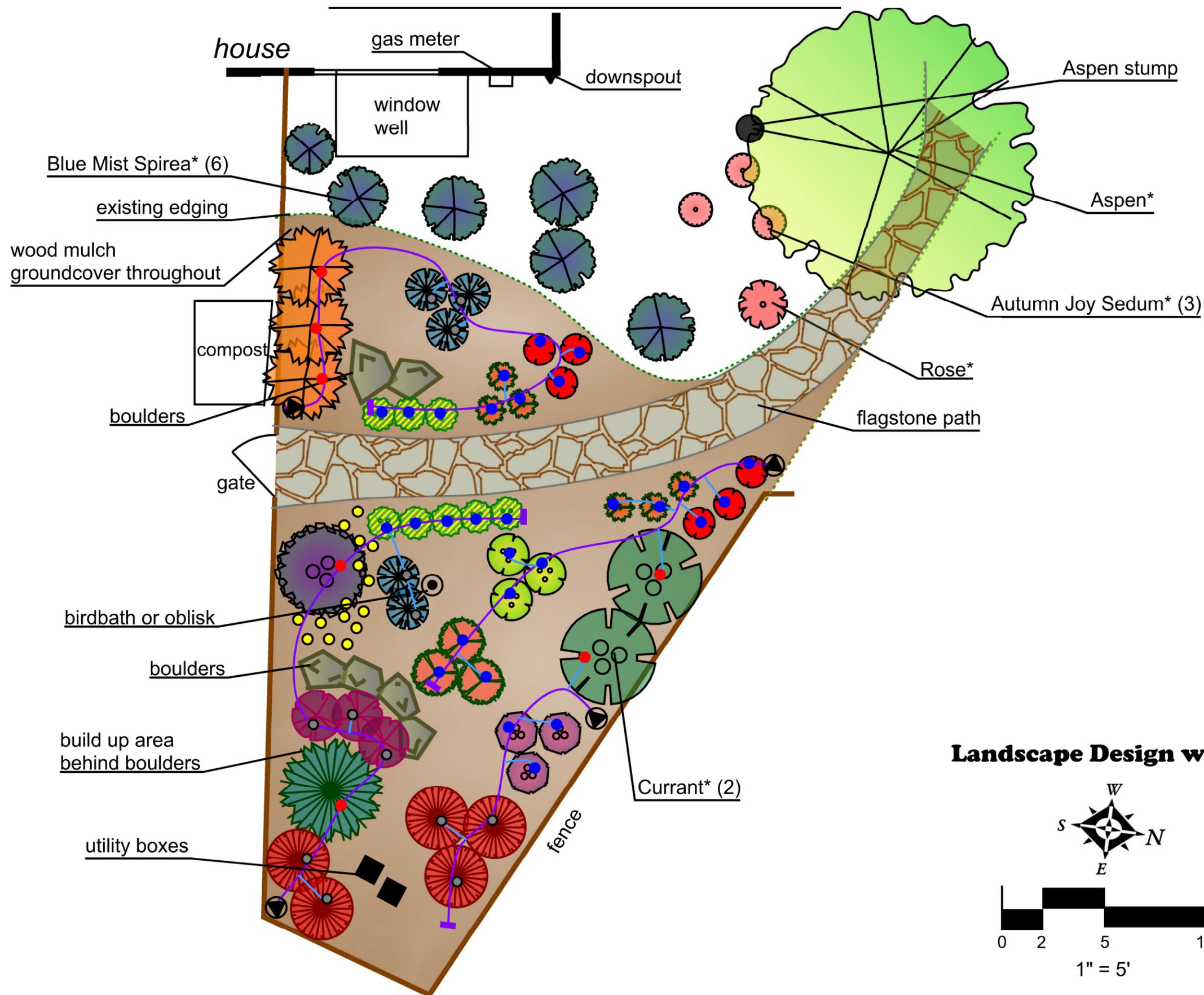
Sheet Title:
IRRIGATION CHANGES

Sheet Number:
L3



Irrigation Legend:
 Convert existing turf zones, A4 and A5 to native grass, the existing sprinklers will be used to establish the native grass for a maximum of 3 years, then zones A4 and A5 will be discontinued. Proposed native grass area is highlighted in yellow

Roach Xeriscape Garden



Plant List - New Plants

Quantity	Symbol	Description
Conifers		
1		Dwarf Globe Blue Spruce
Ornamental Grasses		
5		Blue Oat Grass/Blue Avena Grass
5		Red Switchgrass
Perennials		
6		Beard Tongue, Scarlet
6		Blanket Flower
8		Cinquefoil/Creeping Potentilla
15		Daffodil
3		Red Velarian/Jupiter's Beard
3		Sulfur Flower
3		Sunset Hyssop
Shrubs		
1		Butterfly Bush
3		Cotoneaster, Peking
3		Weigela, Midnight Wine

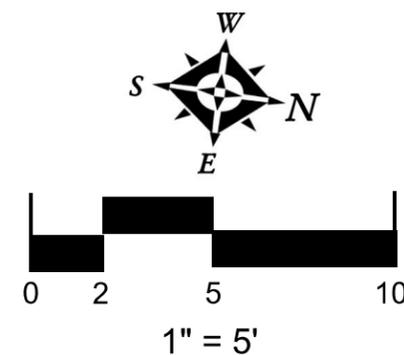
*existing plants

Irrigation Accessories

4		Existing sprinkler head, to be converted
~100 ft.		1/2" tubing
~50 ft.		1/4" tubing (use liberally as needed)
4		end cap
7		2 GPH button dripper
11		1 GPH button dripper
29		1/2 GPH button dripper

NOTES:
The backflow preventer is on the south-west corner of the house, outside of the improvement area. The water meter is in the basement. Hose bibs are on the front and back of the house, but the sprinkler system will be the primary water source.

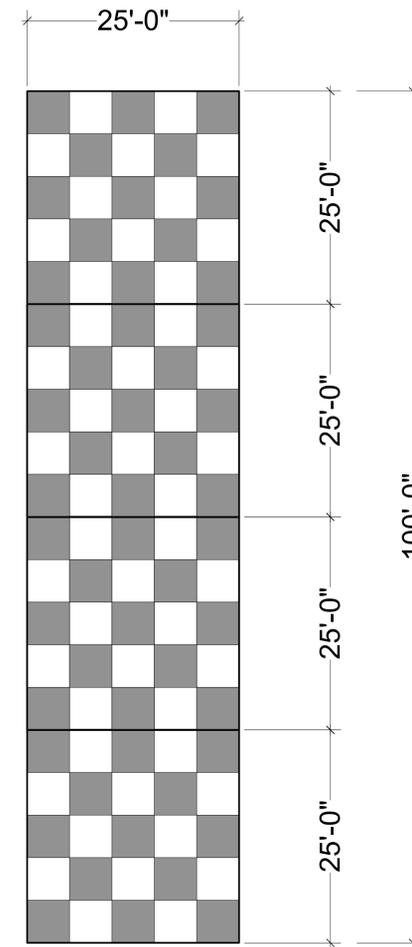
Landscape Design with Irrigation Plan - February 2018



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Scale:



KEY:

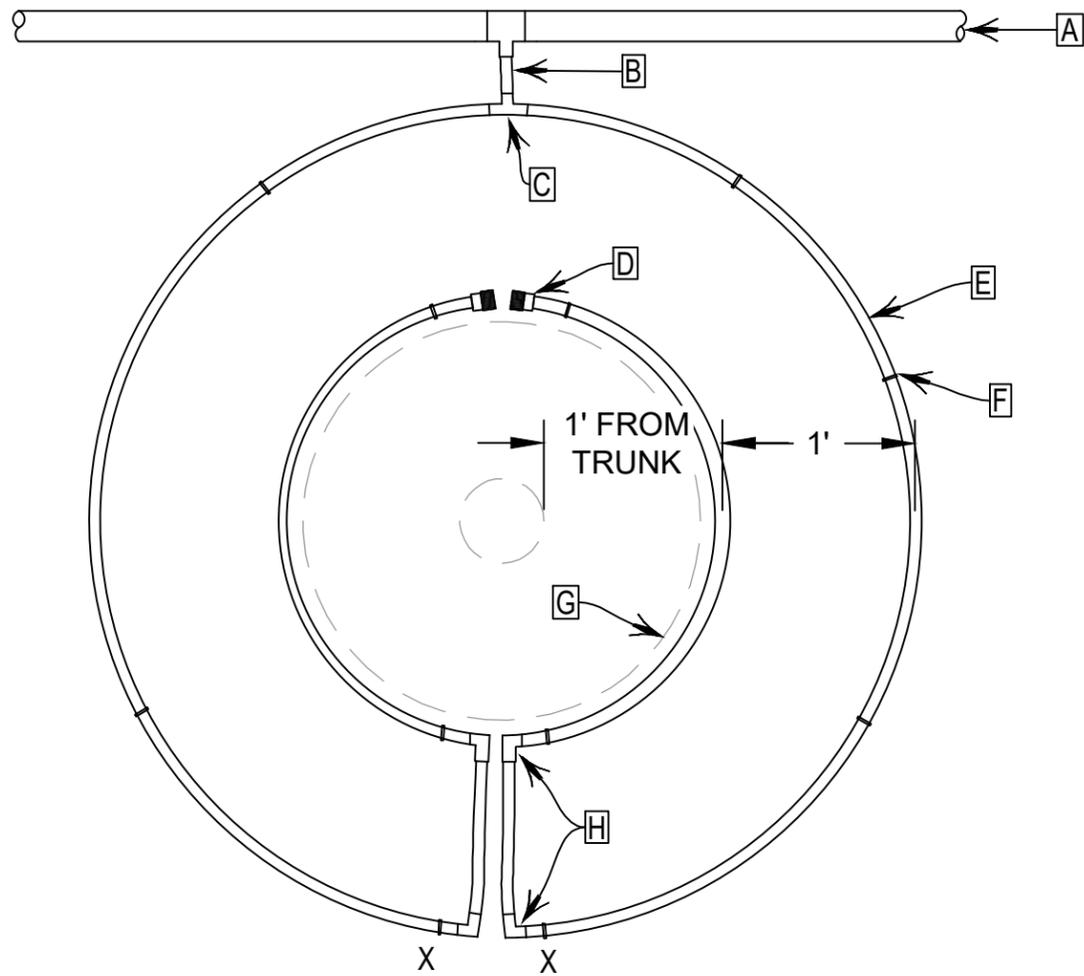
- Large, Rotating, Pop Up, Sprinkler Head
- Small, Pop Up, Sprinkler Head
- Missing, Small, Pop Up, Sprinkler Head
- Main Sprinkler Line
- Small Sprinkler Line
- Uncertain Sprinkler Line Location
- Proposed Drip Irrigation Line
- Proposed Rain Sensor
- Hedge
- Bush/shrub
- Tree
- ww Window Well
- Red False Yucca
- 3 Leaf Sumac
- Hens & Chicks
- Pea Stone Path
- Mulch

NOTES:

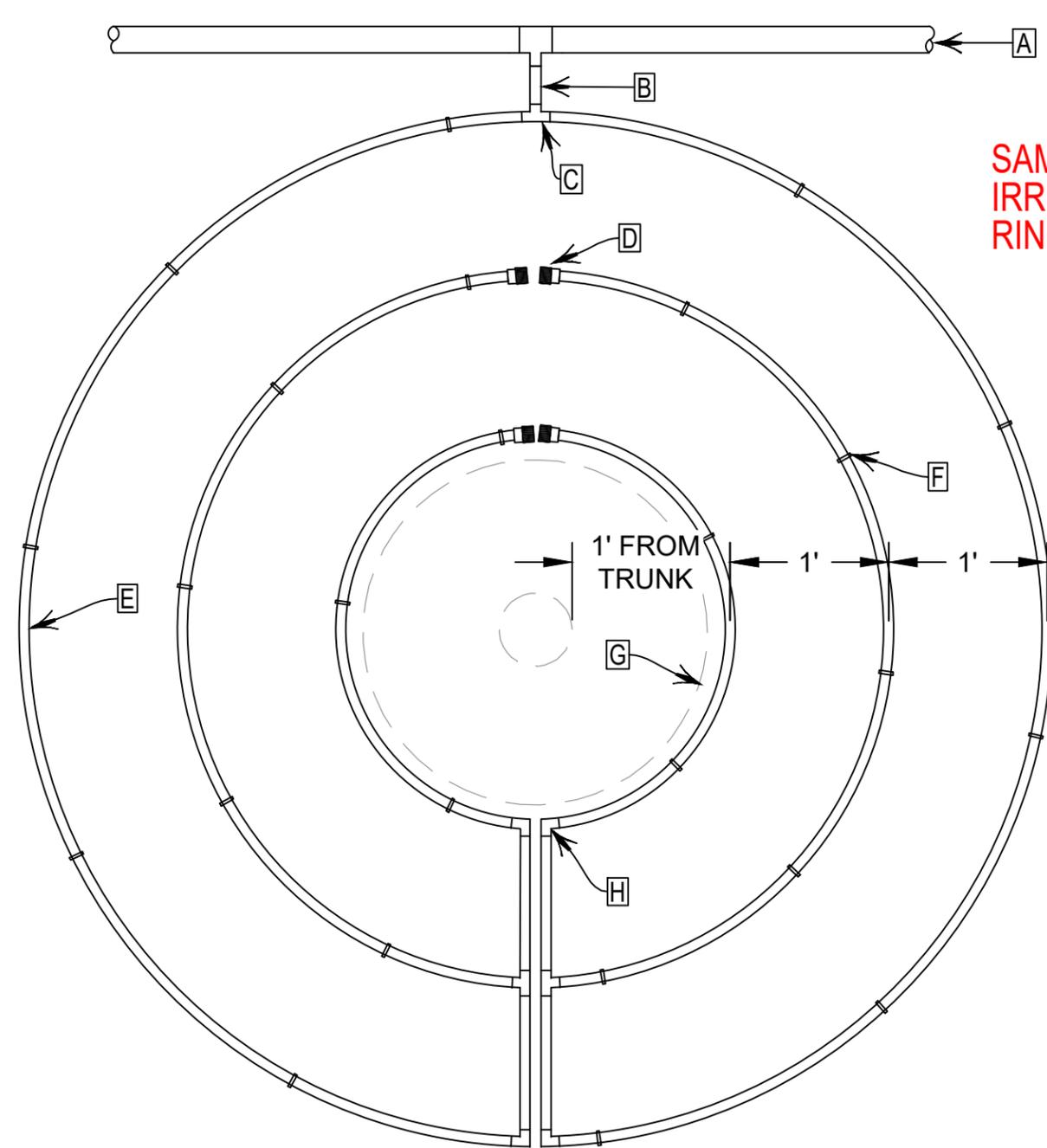
Total area to be renovated this year is 1,001 sq ft.
 Total area of yard to be renovated in phases is 13,284 sq ft.
 Area to be renovated is small lawn east of driveway.
 All turf will be removed and replaced with xeric plants as noted.
 Existing shrubs and walkway will remain.
 Additional, pea stone walkway will be added.
 Boulders or Objects d'Art will be added along walkway if budget permits.
 All of this years renovation will be in Zone #7 of the Automatic Sprinkler System.
 Pop up sprinkler heads will be retrofitted with drip irrigation conversion kits and drip irrigation will be run to all plants.

**Xeriscape Proposal
 Phase 1 Irrigation Plan**

Scale: 1"=10'-0"
 Submitted: 7-18-17 Rev 7-21-17



- A. PVC PIPE
- B. 3/4" POLYETHYLENE TUBING: RAIN BIRD XBS BLACK STRIPE PIPE
- C. EASY FIT COMPRESSION TEE: RAIN BIRD MDCFTEE (QTY AS REQUIRED)
- D. EASY FIT REMOVABLE FLUSH CAP: RAIN BIRD MDCFAP (QTY AS REQUIRED)
- E. LANDSCAPE DRIPLINE TUBING: RAIN BIRD DRIPLINE MODEL XFCV-06-12 (0.6 GPH/EMITTER)
- F. TIE DOWN STAKE: RAIN BIRD TDS-050 W/BEND (QTY AS REQUIRED)
- G. TREE ROOTBALL
- H. EASY FIT COMPRESSION ELBOW RAIN BIRD MDCFEL (QTY AS REQUIRED)



SAMPLE
IRRIGATION TREE
RING DETAIL

NOTE:

1. CONTRACTOR SHALL INSTALL ALL DRIP TUBING IN TURF AND NATIVE AREAS 2-3" BELOW GRADE.
2. DIAMETER OF DRIPLINE RINGS ARE DEPENDANT ON TREE CANOPY SIZE.
3. CONTRACTOR SHALL CUT DRIP TUBING AT POINT "X" AND INSTALL FLUSH CAP AS TRUNK DIAMETER INCREASES.
4. APPROXIMATE FLOW PER ASSEMBLY IS 0.23 GPM FOR THE 2-RING ASSEMBLY AND .43 GPM FOR THE 3-RING ASSEMBLY.

DRIP TREE RING ASSEMBLY

N.T.S.