



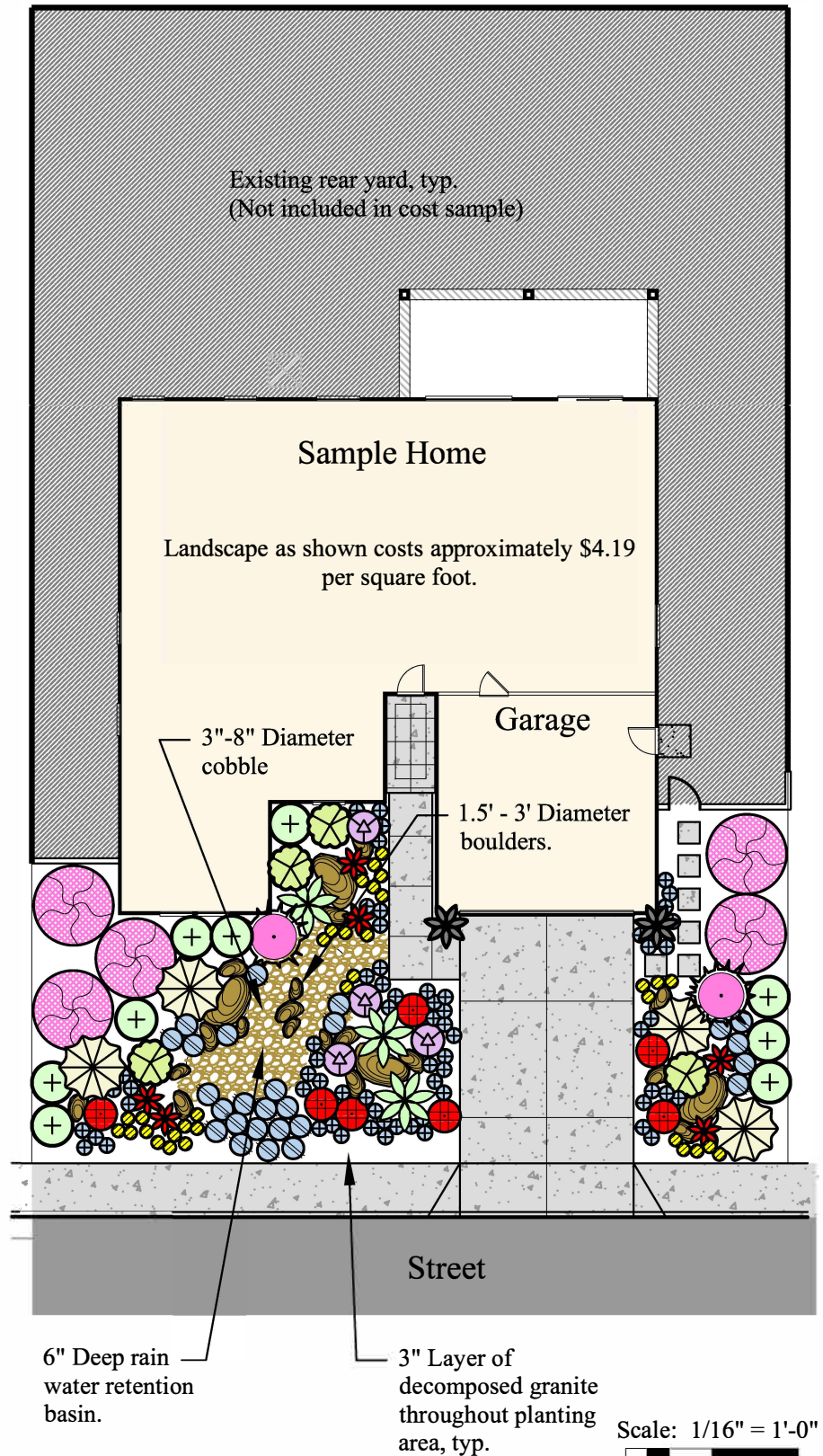
Succulent Garden
Front Yard Landscape Design

Date: 2/1/2021



Plant Legend:

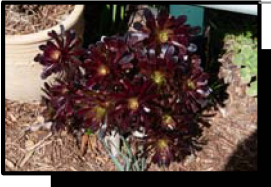









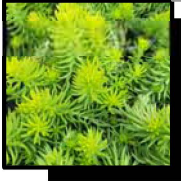









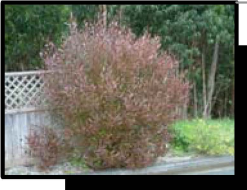



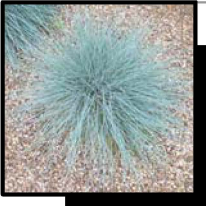

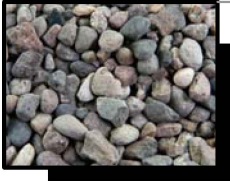



Plan Symbol	Common Name Botanical Name Container Size
	Black Rose Aeonium <i>Aeonium arboreum 'Zwartkop'</i> 5 Gallon
	Ray of Light Fox Tail Agave <i>Agave attenuata 'Ray of Light'</i> 5 Gallon
	Twin Flowered Agave <i>Agave geminiflora</i> 5 Gallon
	Cynthia Giddy Aloe <i>Aloe 'Cynthia Giddy'</i> 1 Gallon
	Campfire Crassula <i>Crassula capitella 'Campfire'</i> 1 Gallon
	Purple Hopseed Bush <i>Dodonaea Viscosa</i> 5 Gallon
	Blue Fescue <i>Festuca glauca</i> 1 Gallon
	False Agave <i>Furcraea foetida 'Mediopicta'</i> 5 Gallon
	Slipper Plant <i>Pedilanthus macrocarpus</i> 5 Gallon
	Variegated Elephant Food <i>Portulacaria afra 'Variegata'</i> 1 Gallon
	Gold Sedum <i>Sedum rupestre 'Angelina'</i> 1 Gallon
	<i>Senecio 'Blue Chalk Sticks'</i> 1 Gallon
	Blue Gem Coast Rosemary <i>Westringia 'Blue Gem'</i> 5 Gallon



This sample landscape concept plan is intended for general guidance only. Costs are estimates only, and are based on licensed contractor installed rates as of January 2021. It is intended that homeowners adapt the concept as needed for the specific conditions of their property, including choice of materials and plants to the appropriate location. Pomona assumes no responsibility for final design or installation.

LANDSCAPE CONCEPT PLAN





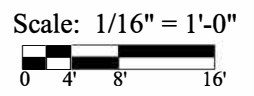
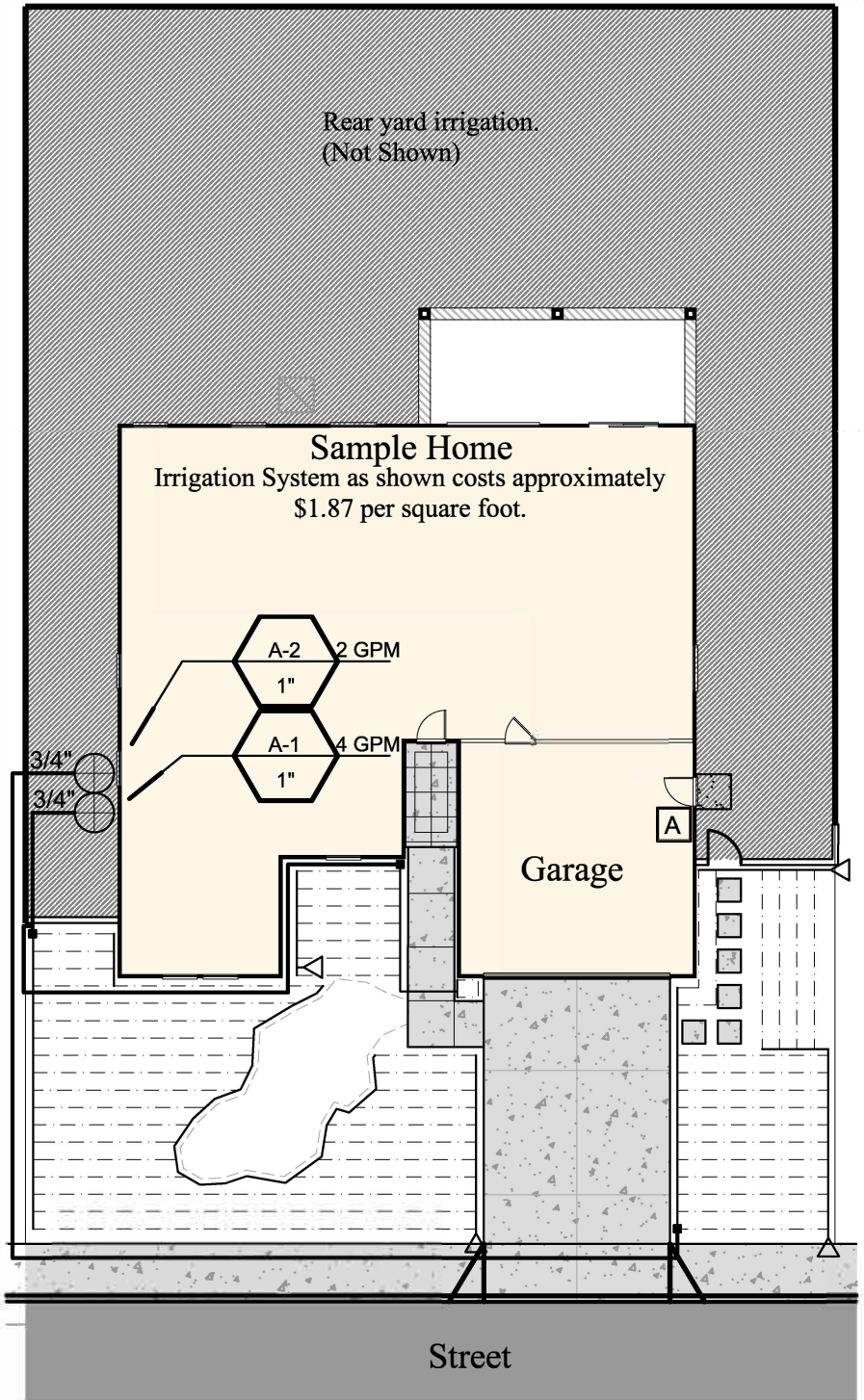
Plant Image	Plan Symbol	Common Name Botanical Name Container Size	Plant Image	Plan Symbol	Common Name Botanical Name Container Size
		Black Rose Aeonium <i>Aeonium arboreum</i> 'Zwartkop' 1 Gallon			Slipper Plant <i>Pedilanthus macrocarpus</i> 5 Gallon
		Ray of Light Fox Tail Agave <i>Agave attenuata</i> 'Ray of Light' 5 Gallon			Variegated Elephant Food <i>Portulacaria afra</i> 'Variegata' 1 Gallon
		Twin Flowered Agave <i>Agave geminiflora</i> 5 Gallon			Gold Sedum <i>Sedum rupestre</i> 'Angelina' 1 Gallon
		Cynthia Giddy Aloe <i>Aloe</i> 'Cynthia Giddy' 1 Gallon			Blue Chalksticks <i>Senecio serpens</i> 1 Gallon
		Campfire Crassula <i>Crassula capitella</i> 'Campfire' 1 Gallon			Blue Gem Coast Rosemary <i>Westringia</i> 'Blue Gem' 5 Gallon
		Purple Hopseed Bush <i>Dodonaea Viscosa</i> 5 Gallon			Boulders 1.5' - 3' Diameter
		Blue Fescue <i>Festuca glauca</i> 1 Gallon			3" - 8" Diameter Cobble
		False Agave <i>Furcraea foetida</i> 'Mediopicta' 5 Gallon			3/8" Minus Decomposed Granite

PLANTING LEGEND



Irrigation Legend:








Plan Symbol	Description
	Smart Irrigation Controller Replace existing irrigation controller with new smart controller. Install per manufacturers instructions.
	Anti-syphon Valve Drip Zone Assembly Replace existing irrigation valves if existing valves are leaking, damaged or not properly working. Install a drip valve assembly for drip irrigation. See detail A.
■	Spray to Drip Retrofit Kit Install drip retrofit kit by replacing one of the existing spray bodies located within the new planting area. Install per manufacturers instructions. Cap all other spray bodies so they do not emit water. See detail B.
—	17mm (5/8") Polyethylene Distribution Tubing This tubing does not have emitters installed inside the tubing. Install distribution tubing at either end of the inline drip tubing to connect the system where irrigation is not needed.
- - -	17mm (5/8") In-Line Emitter Polyethylene Tubing Install 0.6 gallon per hour drip line at 18" row spacing in all planted areas. See detail D.
▷	Drip Flush Valve Install flush valve at the end of the drip line system to flush debris out of the drip lines. Be sure to flush the system after drip line is first installed. See detail C.
—	PVC Schedule 40 Piping & Fittings Install PVC pipe if existing irrigation piping is damaged or not usable.



This sample irrigation concept plan is intended for general guidance only. Irrigation emission device layout, piping layout and piping sizes are based upon Landscape Concept Plan. It is intended that homeowners adapt the concept as needed for the specific conditions of their property, including choice of materials, appropriate layout and installation of materials per local codes and manufacturer's recommendations. Pomona assumes no responsibility for final design or installation.

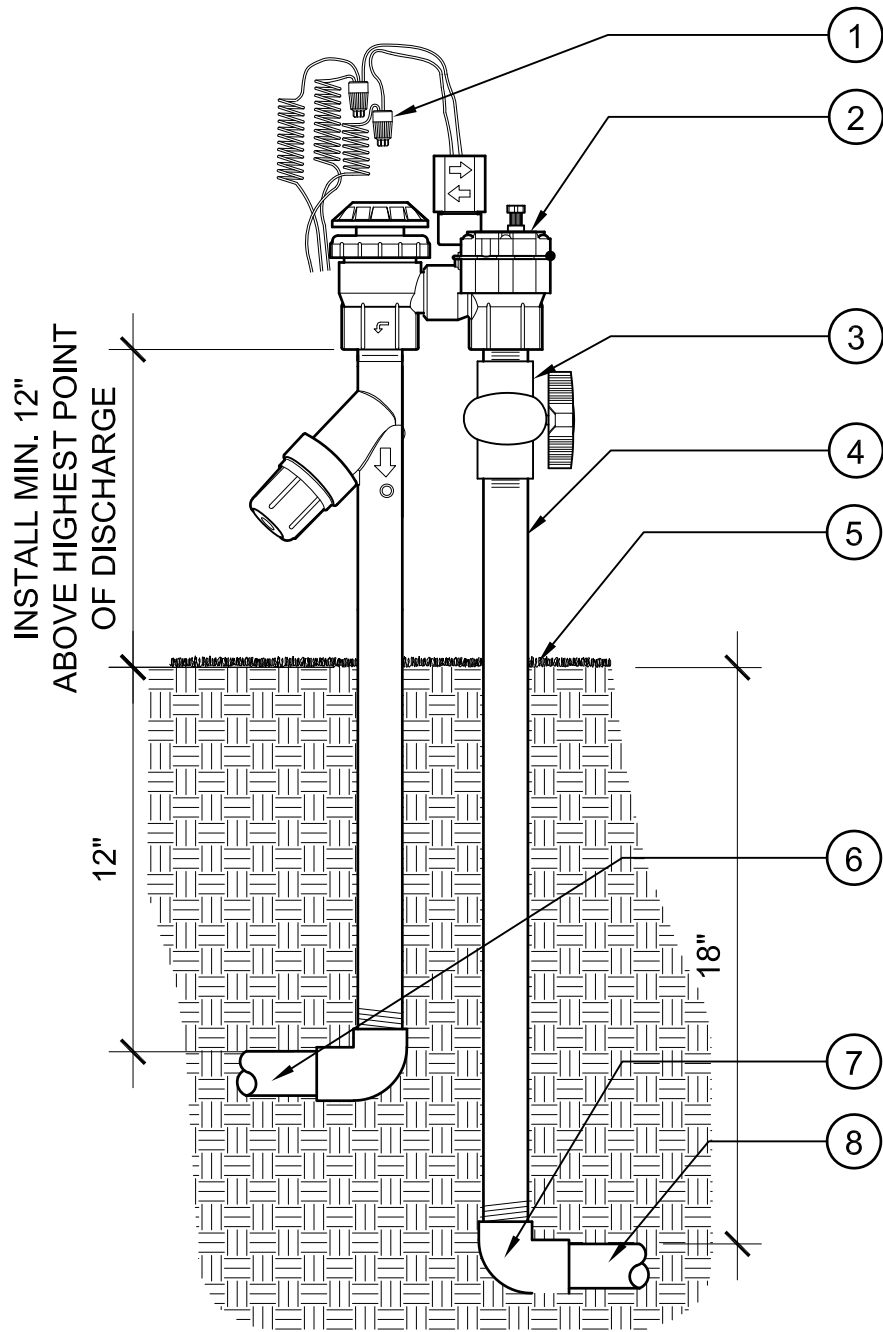


IRRIGATION CONCEPT PLAN

Equipment Image	Plan Symbol	Description	Equipment Image	Plan Symbol	Description
	A	<u>Smart Irrigation Controller</u> Replace existing irrigation controller with new smart controller. Install per manufacturers instructions.		—	<u>17mm (5/8") Polyethylene Distribution Tubing</u> This tubing does not have emitters installed inside the tubing. Install distribution tubing at either end of the inline drip tubing to connect the system where irrigation is not needed.
	⊕	<u>Anti-syphon Valve Drip Zone Assembly</u> Replace existing irrigation valves if existing valves are leaking, damaged or not properly working. Install a drip valve assembly for drip irrigation. See detail A.		- - - -	<u>17mm (5/8") In-Line Emitter Polyethylene Tubing</u> Install 0.6 gallon per hour drip line at 18" row spacing in all planted areas. See detail D.
	■	<u>Spray to Drip Retrofit Kit</u> Install drip retrofit kit by replacing one of the existing spray bodies located within the new planting area. Install per manufacturers instructions. Cap all other spray bodies so they do not emit water. See detail D.		▷	<u>Drip Flush Valve</u> Install flush valve at the end of the drip line system to flush debris out of the drip lines. Be sure to flush the system after drip line is first installed. See detail E.
				—	<u>PVC Schedule 40 Piping & Fittings</u> Install PVC pipe if existing irrigation piping is damaged or not usable.

IRRIGATION LEGEND





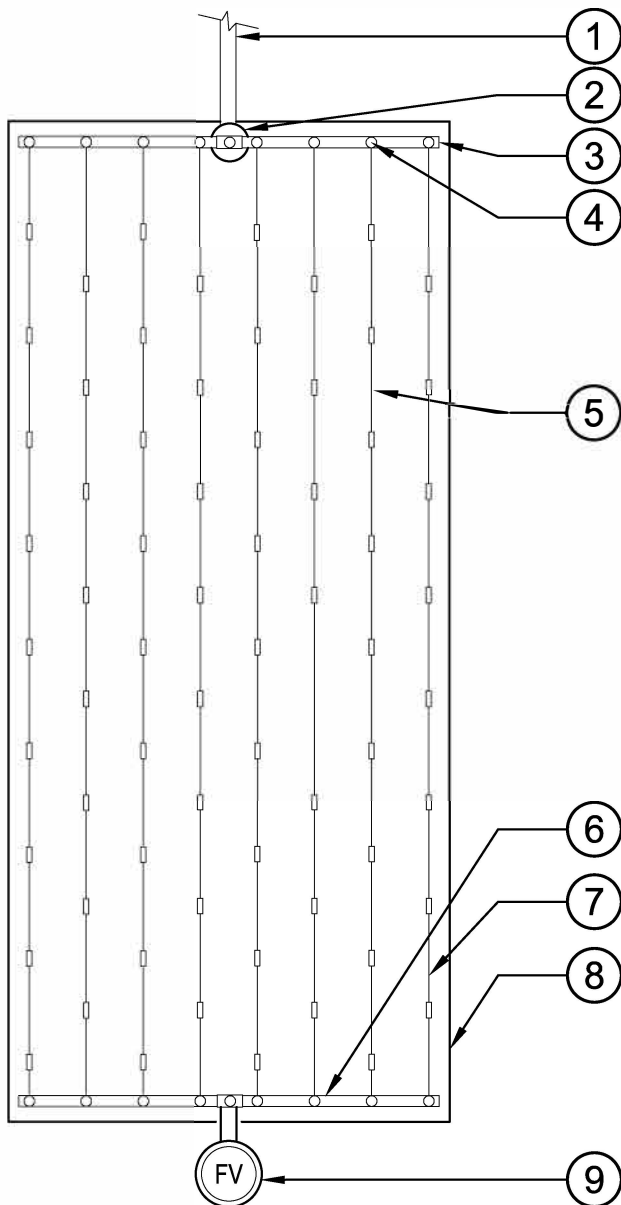
- | | |
|---|---------------------------------|
| ① CONNECT WIRES TO VALVE USING WATER TIGHT CONNECTORS (SEE NOTES) | ⑥ LATERAL LINE |
| ② ELECTRIC DRIP ZONE CONTROL VALVE | ⑦ FIPT X SLIP ELBOW (LINE SIZE) |
| ③ SCH 40 PVC BALL VALVE (LINE SIZE) | ⑧ PRESSURE SUPPLY LINE |
| ④ PVC SCH. 80 NIPPLE (SIZE AS REQUIRED) | |
| ⑤ FINISH GRADE | |

Scale: 1" = 1'-0"

IRRIGATION DETAIL A

DRIP ZONE VALVE ASSEMBLY





- ① PVC LATERAL LINE FROM ELECTRIC CONTROL VALVE
- ② SPRAY TO DRIP RETROFIT KIT
- ③ DISTRIBUTION TUBING MANIFOLD
- ④ MANIFOLD TO ELBOW OR TEE CONNECTION
- ⑤ DRIP LINE EMITTER TUBING
- ⑥ DISTRIBUTION TUBING FLUSH MANIFOLD
- ⑦ PERIMETER LATERALS 12" FROM EDGE
- ⑧ HARDSCAPE EDGE
- ⑨ MANUAL FLUSH VALVE PLUMBED TO FLUSH AT LOW POINT

PLAN

NOTES:

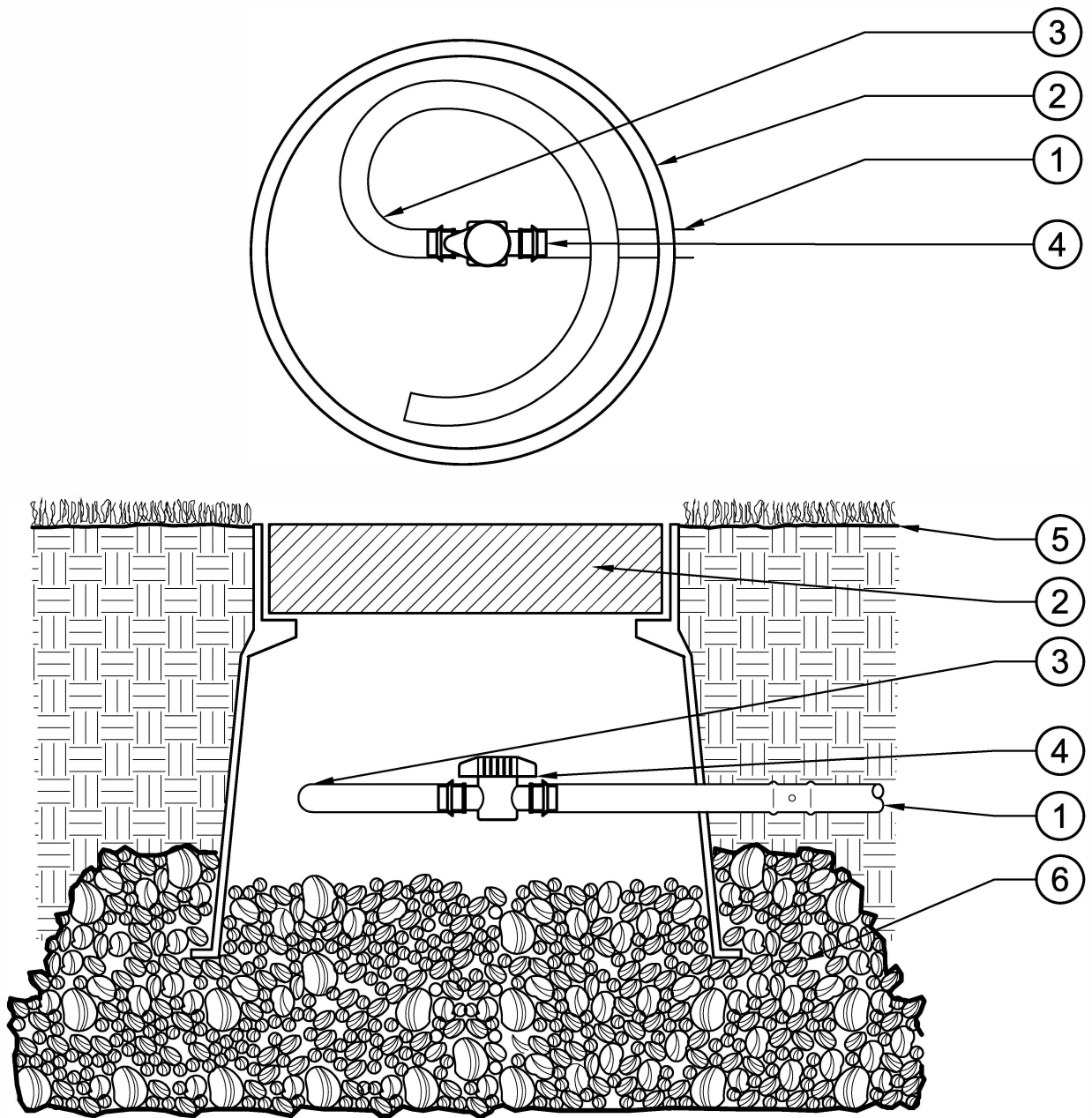
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. THE TOTAL LENGTH OF ALL INTERCONNECTED DRIP LINE SHALL NOT EXCEED THE MAXIMUM RUN LENGTH PER MANUFACTURER'S SPECIFICATIONS.
3. ALL TUBING SHALL BE STAKED DOWN EVERY 36" USING DRIP TUBING STAPLES OR STAKES.
4. IT IS RECOMMENDED TO BURY THE DRIP TUBING 4" DEEP WHEN POSSIBLE.

Scale: Not to Scale

IRRIGATION DETAIL C

EMITTER TUBING LAYOUT





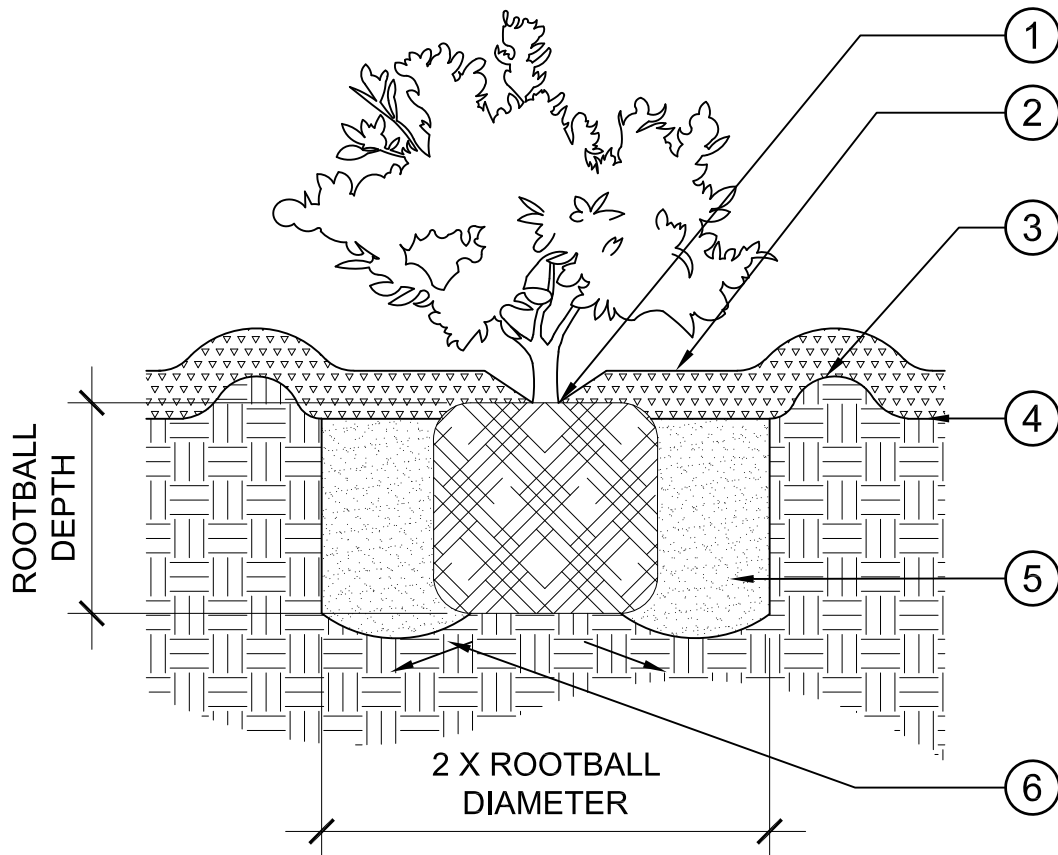
- ① 17mm EMITTER DRIP LINE TUBING
- ② 6" - 8" ROUND VALVE BOX
CUT HOLE FOR TUBING
- ③ 18" LENGTH OF 17mm DRIP
DISTRIBUTION TUBING
- ④ DRIP TUBING ISOLATION BALL VALVE
- ⑤ FINISH GRADE
- ⑥ 3/4" GRAVEL SUMP IN, UNDER AND AROUND
VALVE BOX

Scale: 3" = 1'-0"

IRRIGATION DETAIL D

MANUAL FLUSH VALVE





- ① SET TOP OF ROOTBALL
1" ABOVE FINISH GRADE
- ② 3" LAYER MULCH MATERIAL
- ③ 3" HIGH WATERING BERM

- ④ FINISH GRADE
- ⑤ PLANTING BACKFILL
- ⑥ SLOPE PLANTING HOLE
TO CORNERS

Scale: 1" = 1'-0"

PLANTING DETAIL D SHRUB INSTALLATION



Opinion of Probable Costs

PROJECT TITLE		Labor Rate: \$30.00		As of 1/18/2021		
Succulent Garden Typical Front Landscape Design		Tax Rate: 0.0775				
ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	MATERIAL COSTS TOTAL MATERIALS COST	TOTAL LABOR COST	TOTAL LABOR AND MATERIALS
Irrigation						
Valves						
Drip Valve Assembly- 1"	2	EA	\$66.61	\$143.54	\$180.00	\$323.54
Standard Controllers with Sensor						
Hydrawise Smart Irrigation Controller (12 station)	1	EA	\$190.90	\$205.69	\$120.00	\$325.69
Supplemental Drip on Grade						
Spray to Drip Conversion Kit	3	EA	\$21.05	\$68.04	\$135.00	\$203.04
Drip Tubing Header	175	LF	\$0.20	\$37.71	\$157.50	\$195.21
In Line Drip Emitter Tubing	740	LF	\$0.50	\$398.68	\$666.00	\$1,064.68
Flush Valve Assembly w/ Valve Box	3	EA	\$8.82	\$28.51	\$135.00	\$163.51
Pipe at 12" Depth						
Non- Pressure Lateral Line- Class 200 3/4" with fittings.	171	LF	\$0.07	\$12.90	\$513.00	\$525.90
TOTAL IRRIGATION COSTS				895.08	1,906.50	2,801.58
Planting						
Ground Preparation						
Clear of Existing Landscape Area and Fine Grading	1,500	SF	\$0.00	\$0.00	\$900.00	\$900.00
Inert Material						
Boulders	22	EA	\$45.00	\$1,066.73	\$990.00	\$2,056.73
Cobble	165	SF	\$0.60	\$106.67	\$49.50	\$156.17
Decomposed Granite	1,335	SF	\$0.45	\$647.31	\$400.50	\$1,047.81
Shrubs						
1 gallon shrubs	144	EA	\$5.75	\$892.17	\$432.00	\$1,324.17
5 gallon shrubs	29	EA	\$18.50	\$578.08	\$217.50	\$795.58
TOTAL PLANTING COSTS				3,290.95	2,989.50	6,280.45
TOTAL COSTS				4,186.03	4,896.00	9,082.03
PRICE PER SQUARE FEET OF LANDSCAPE	1,500	SQ.FT.				\$6.05

TYPICAL IRRIGATION AND PLANTING COSTS

