

INERT GROUNDCOVERS:

DG Decomposed Granite - Gradation and color to match existing
2" depth Decomposed Granite shall be placed in all landscape areas including all new parking lot islands and landscape areas. Existing parking lot island shall be refreshed with 1" depth of new Decomposed Granite.

PLANT LEGEND

PLANT BOTANICAL NAME

COMMON NAME:

SIZE: QTY: GPH:

SYMBOL

TREES:

Cercidium Hybrid
Desert Museum Palo Verde

36" Box
24" Box

4
9

8
8

Chilopsis linearis
Desert Willow

36" Box
24" Box

2
7

8
8

Existing Trees - To Remain

Existing Palms - To Remain

SHRUBS & ACCENTS

SIZE: QTY: GPH:

Leucophyllum frutescens "Compacta"
Compact Texas Ranger

5 Gal. x 2

Nerium oleander
Dwarf Oleander - Pink

5 Gal. x 2

Ermaphila maculata "Brevifolia"
Red Valentine Bush

5 Gal. x 2

Aloe X
Blue Elf Aloe

5 Gal. x 1

Dasyllirion wheeleri
Desert Spoon

5 Gal. x 1

Pachycereus marginatus
Mexican Fencepost

15 Gal. x .5

Euphorbia antispyllitica
Candelilla

5 Gal. x 1

Echinocereus grusonii
Golden Barrel

12" Dia. x .5

Hesperaloe parviflora "Breaklights"
Red Aloe

2.5 Gal. x .5

Lantana species
Gold Lantana

1 Gal. x 2

Pedilanthus macrocarpus
Lady Slipper

5 Gal. x 1

NEW 40" HIGH
SCREEN WALL
MATCH EXISTING

10.0' B.S.L. &
P.U.F.E. EASEMENT
BK 498, PG 11

EXISTING
LANDSCAPE TO
REMAIN

EXISTING
SCREEN WALL
TO REMAIN
65 L.F. NEW
CONCRETE
HEADER

EXISTING TURF
TO REMAIN WITH
MINOR
MODIFICATION

STAPLEY DRIVE

SOUTH STAPLEY DRIVE

1 STORY
BLOCK BUILDING
8,411 SQUARE FEET
FF = 1225.6' NAVD88

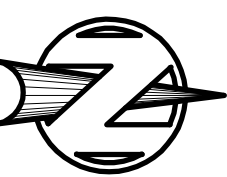
EXISTING
PAD 8

18" Ht. X 8'
Raised Steel
Planters - 5
Total

LOT 4
2.33 ACRES

EXISTING
LANDSCAPE TO
REMAIN

10.0' B.S.L. &
P.U.F.E. EASEMENT
BK 498, PG 11



NORTH
SCALE: 1"=20'

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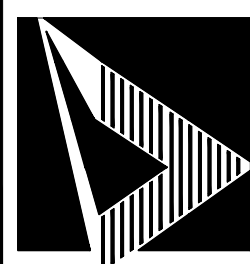
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MESA, ARIZONA

LANDSCAPE PLAN



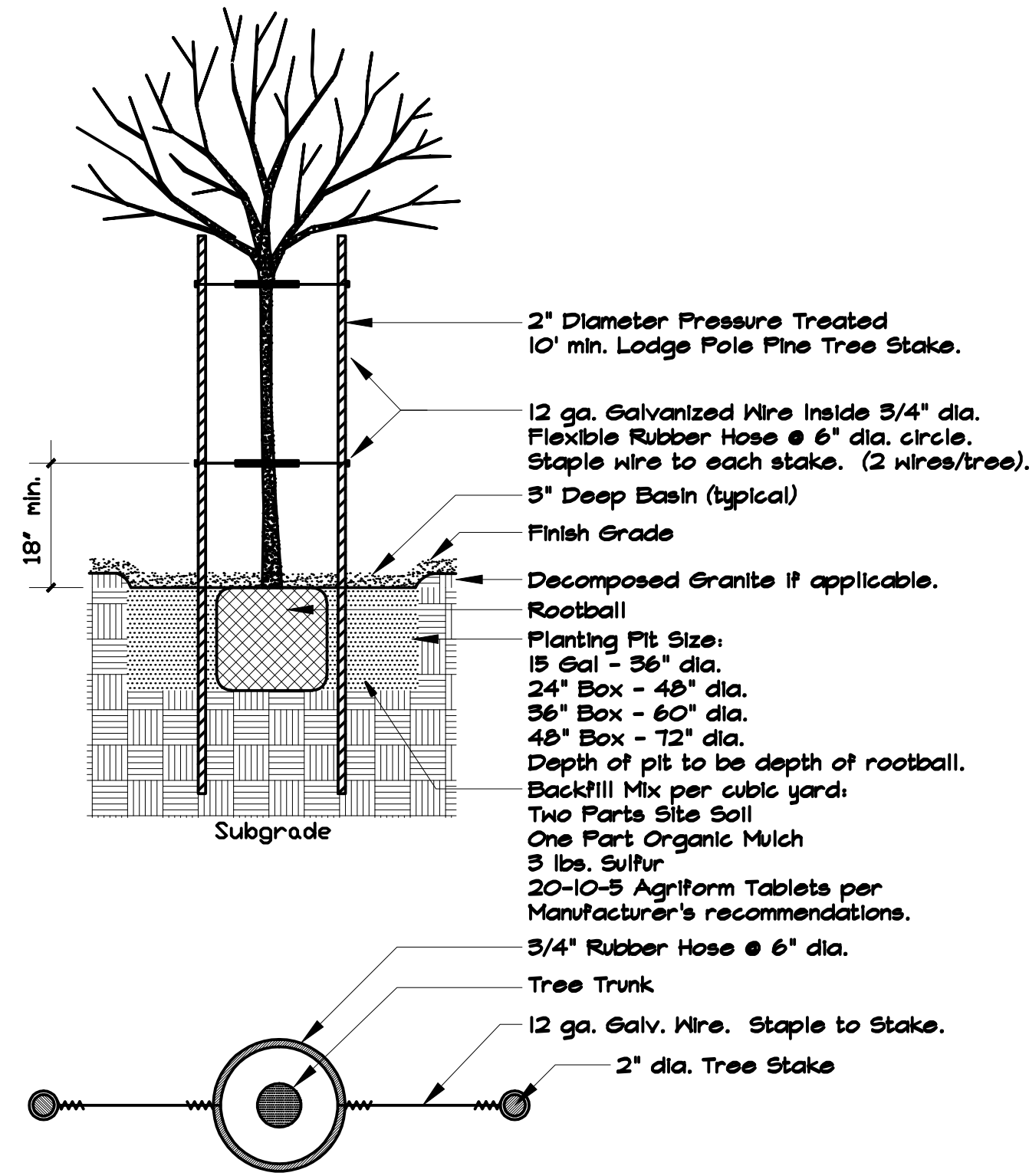
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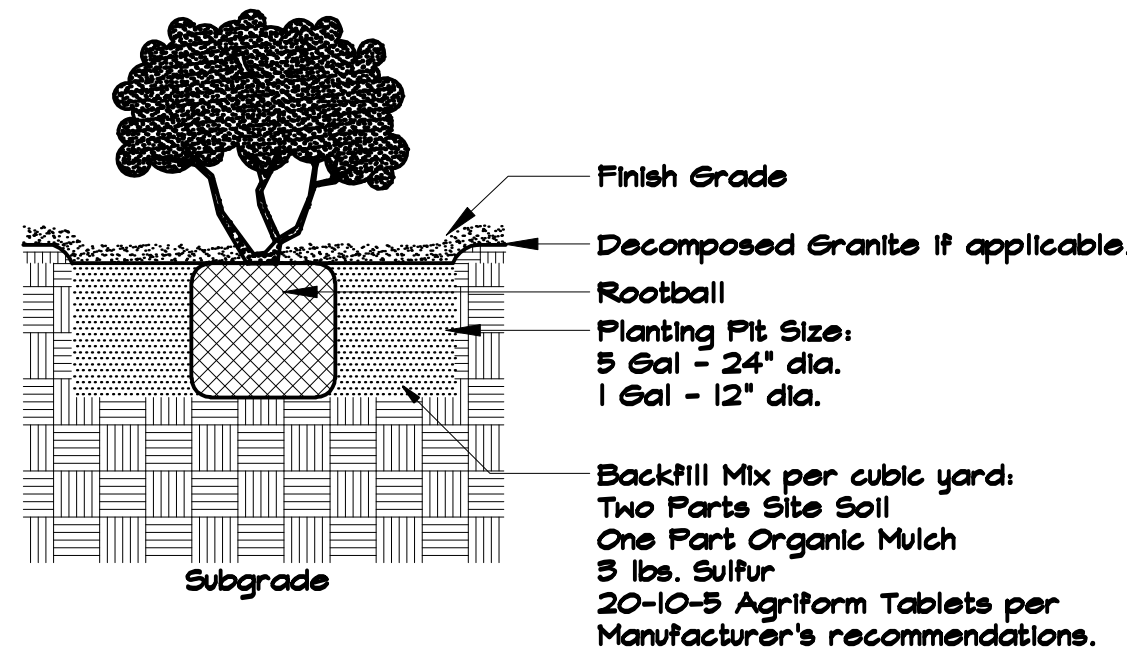


DETAIL PLAN OF HOSE AND WIRE

NOTE:
See Specifications for application of FERROMEAC AC Liquid Iron to all trees.
Plant pit to be to the depth of the rootball, typical.

1 SINGLE TRUNK TREE PLANTING

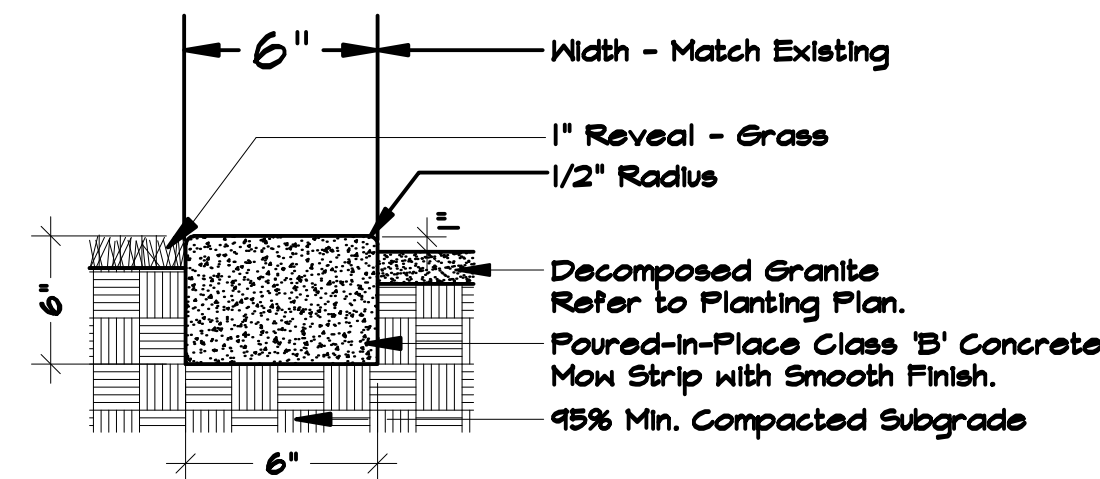
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NOTE:
See Specifications for application of FERROMEAC AC Liquid Iron to all shrubs.
Plant pit to be to the depth of the rootball, typical.

2 SHRUB - GROUND COVER PLANTING

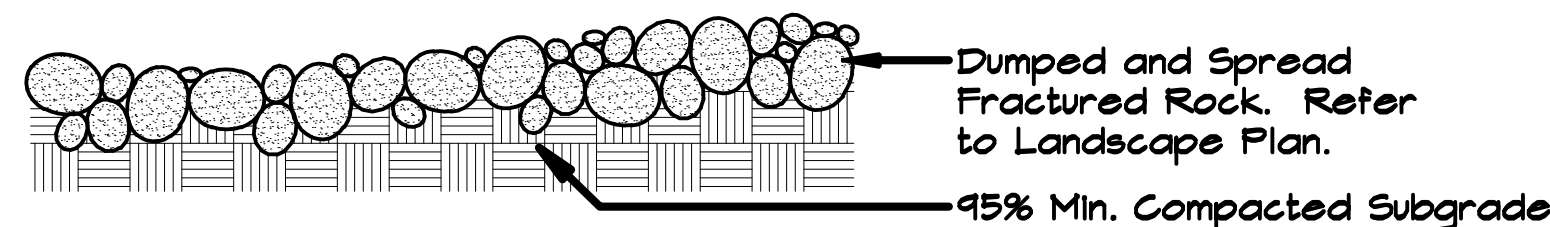
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NOTES:
Contractor to install construction joints every 30' maximum.
Score joints at 10' O.C. Layout to be approved prior to construction

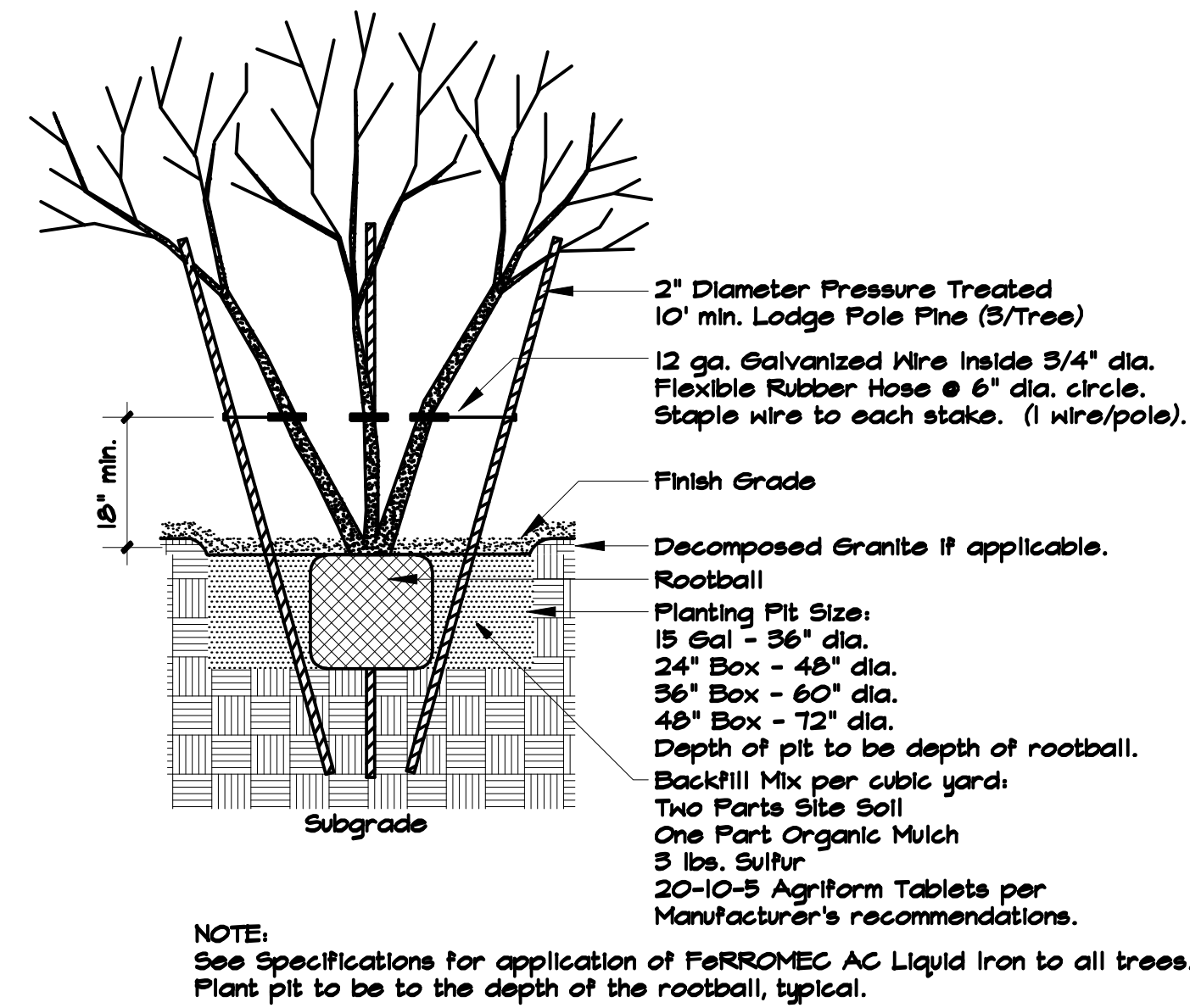
3 CONCRETE HEADER

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4 DUMPED AND SPREAD FRACTURED ROCK

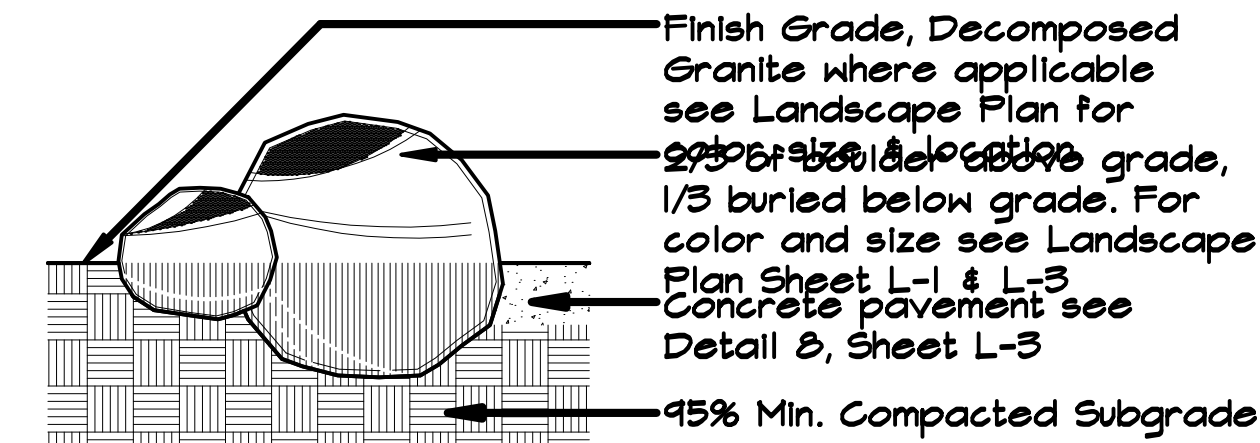
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NOTE:
See Specifications for application of FERROMEAC AC Liquid Iron to all trees.
Plant pit to be to the depth of the rootball, typical.

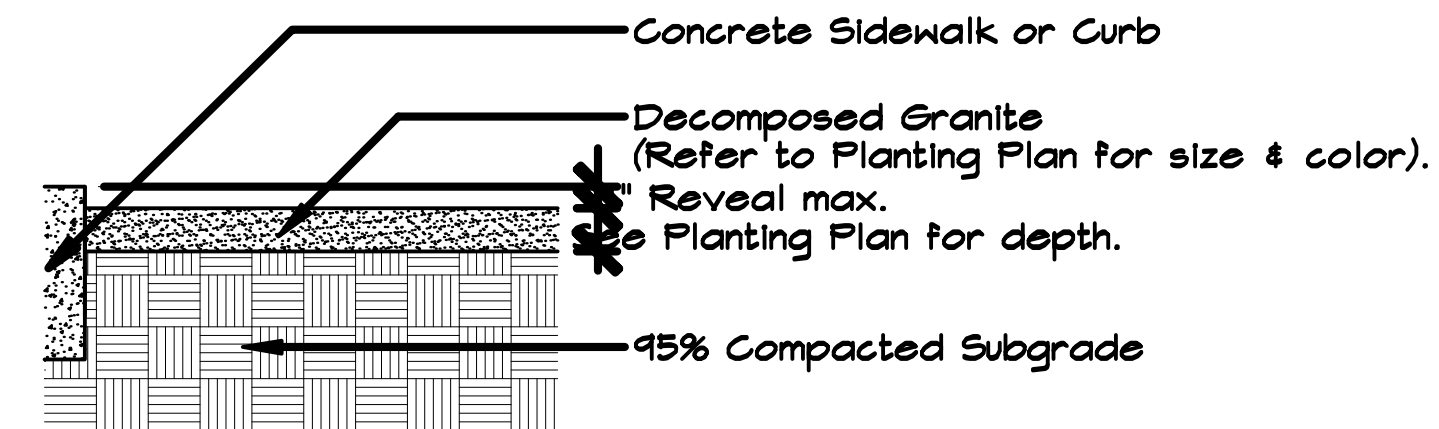
5 MULTI-TRUNK TREE PLANTING

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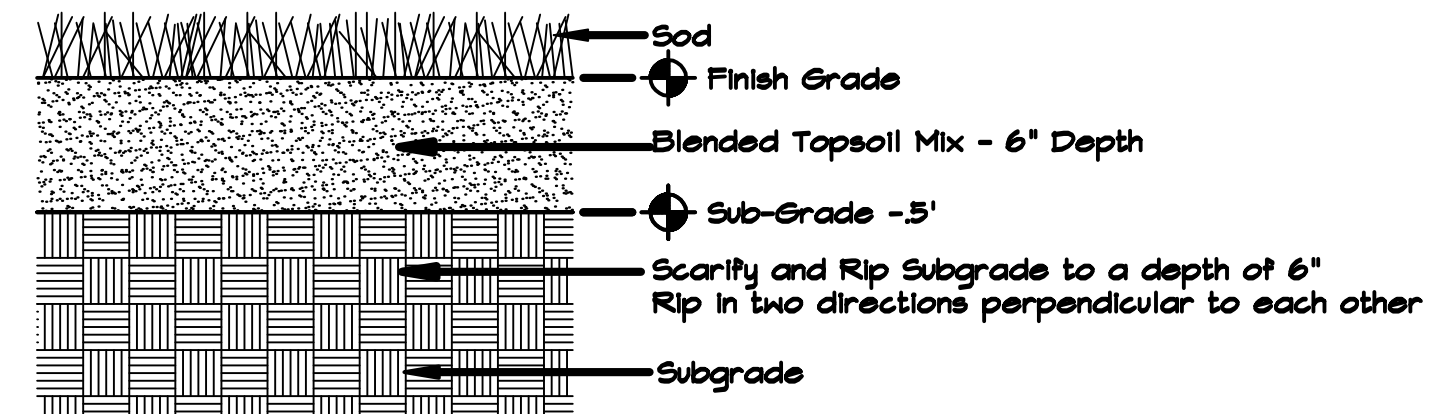
6 BOULDER PLACEMENT

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7 DECOMPOSED GRANITE/ GRANITE MULCH

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NOTES:
Refer to specifications for materials.

8 TURF SECTION

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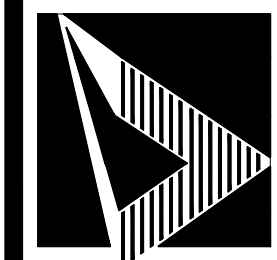
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MESA, ARIZONA

LANDSCAPE DETAILS



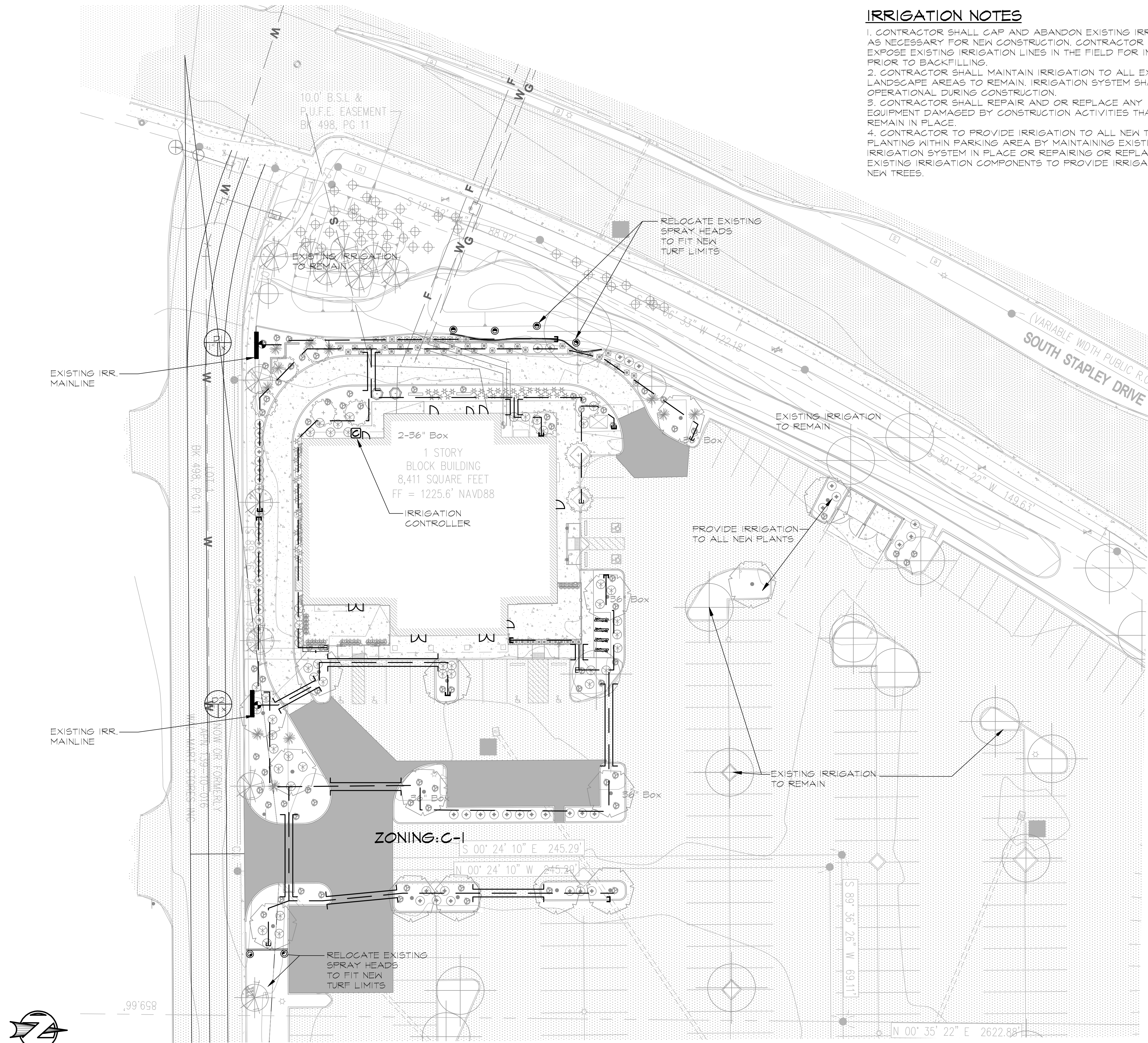
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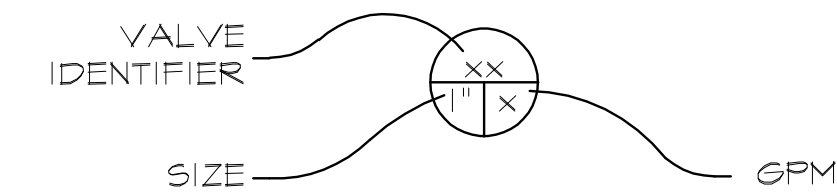
IRRIGATION NOTES

1. CONTRACTOR SHALL CAP AND ABANDON EXISTING IRRIGATION AS NECESSARY FOR NEW CONSTRUCTION. CONTRACTOR SHALL EXPOSE EXISTING IRRIGATION LINES IN THE FIELD FOR INSPECTION PRIOR TO BACKFILLING.
2. CONTRACTOR SHALL MAINTAIN IRRIGATION TO ALL EXISTING LANDSCAPE AREAS TO REMAIN. IRRIGATION SYSTEM SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
3. CONTRACTOR SHALL REPAIR AND OR REPLACE ANY IRRIGATION EQUIPMENT DAMAGED BY CONSTRUCTION ACTIVITIES THAT IS TO REMAIN IN PLACE.
4. CONTRACTOR TO PROVIDE IRRIGATION TO ALL NEW TREE PLANTING WITHIN PARKING AREA BY MAINTAINING EXISTING IRRIGATION SYSTEM IN PLACE OR REPAIRING OR REPLACING EXISTING IRRIGATION COMPONENTS TO PROVIDE IRRIGATION TO THE NEW TREES.

IRRIGATION LEGEND

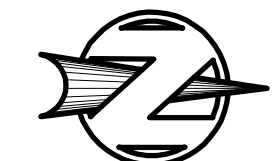
Symbol ManufactureDescription

- | | | |
|--|--|---|
| | Hunter | Irrigation P.O.C - Existing Irrigation Mainline
I-CORE system - 6 Station - IG-600-M
In Metal Cabinet
With Wireless Solar Sync - NODE 36086 |
| | Fibco | Reduced Pressure Backflow - Existing |
| | Ball Valve | Brass ball valve - 3/4" |
| | Rain Bird | Control Zone Kit - XCZ-100
PRB - LC |
| | Sch 40 PVC | Mainline - Existing |
| | Sch 40 PVC 3" Sleeve. | |
| | SCH 40 PVC Lateral line - size as shown. | |
| | Rain Bird | 3/4" Class 200 FVC Irrigation Lateral
Line w/ Rain Bug XBT-20-6 Multi-outlet
Emitter @ 2 GPH each Outlet and XBT-10
Single-outlet Emitter @ 1 GPH For shrubs and
Rain Bug XBT20-6 @2GPH per Outlet For
Trees w/ RBT-220V Distribution Tubing.
AP-100 - 3/4" Hose End Flush Cap. |
| | Lasco | |



IRRIGATION NOTES

1. Plan is schematic only. All mainlines, valves, etc. shall be placed within landscape areas.
2. The entire irrigation system shall satisfy all code requirements and be installed as per manufacturers' specifications.
3. Contractor shall sleeve all mainlines (2" or less), valve wires and laterals under all paved surfaces and walls, extending sleeves 1 foot from edge of paved surface or wall. Mainlines greater than 2 inches in diameter shall be direct buried.
4. Contractor shall coordinate installation of drip irrigation lines prior to installation of plant material with the Owner's Representative.
5. Trees to be irrigated by multi-outlet emitters. Shrubs and groundcover to be irrigated by single-outlet emitters.
6. The irrigation system design is based on a minimum operating static water pressure of 50 PSI. Any discrepancy shall be reported to the owner immediately.
7. 120 volt service to be provided by electrical contractor. The irrigation contractor is responsible for power connection to controller. Coordinate connections, locations, equipment needs, and space for mounting controller cabinet, with electrical contractor prior to installation.
8. 24 volt wire shall be 600v, UF-US approved #14 gauge single strand, plastic insulated copper wire. common wire shall be white color and control wires shall be red color. Tape and bundle wire every 10' and lay beside irrigation mainline in same trench. Splice in valve boxes only using only approved elastomeric silicone wire connectors. Pull one additional spare wire to each valve box for potential future use - color of spare wire shall be yellow
9. Coordinate exact location of irrigation point-of-connection -POC to irrigation water source with Owner/General Contractor.
10. All irrigation lines shall be flushed prior to installation of drip emitters.
11. The contractor shall submit to the Owner, Three (3) copies of manufacturers "Cut-Sheets" for each type of irrigation component including but not limited to piping, fittings, valves, pressure reducer, filters, valve boxes, emitters, controller, hose end flush cap, gate valve, ball valve, quick-coupler valve, valve wire, wire connectors and FVC sleeves which the contractor proposes to install on the job. The submittal shall include the manufacturer name, model number, and installation recommendations, if applicable for each component.
12. Irrigation Mainline and Lateral lines shall be pressure tested at 100 PSI for a period of 1 hour. Lines shall be pressurized with a force pump and observed by the Owners Representative. All fittings shall be exposed for visual observation.
13. The Contractor shall be responsible for damages to the grounds, concrete slabs, concrete curbing, roadway paving, piping system, electrical systems, wastewater systems and their equipment and content caused by leaks in the irrigation piping systems being installed by Contractor. Contractor shall repair, at his own expense, all damage so caused. All repair work shall be done as directed, by him and in a manner satisfactory to the Owners Representative.



NORTH
SCALE: 1"=20'

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IRRIGATION PLAN



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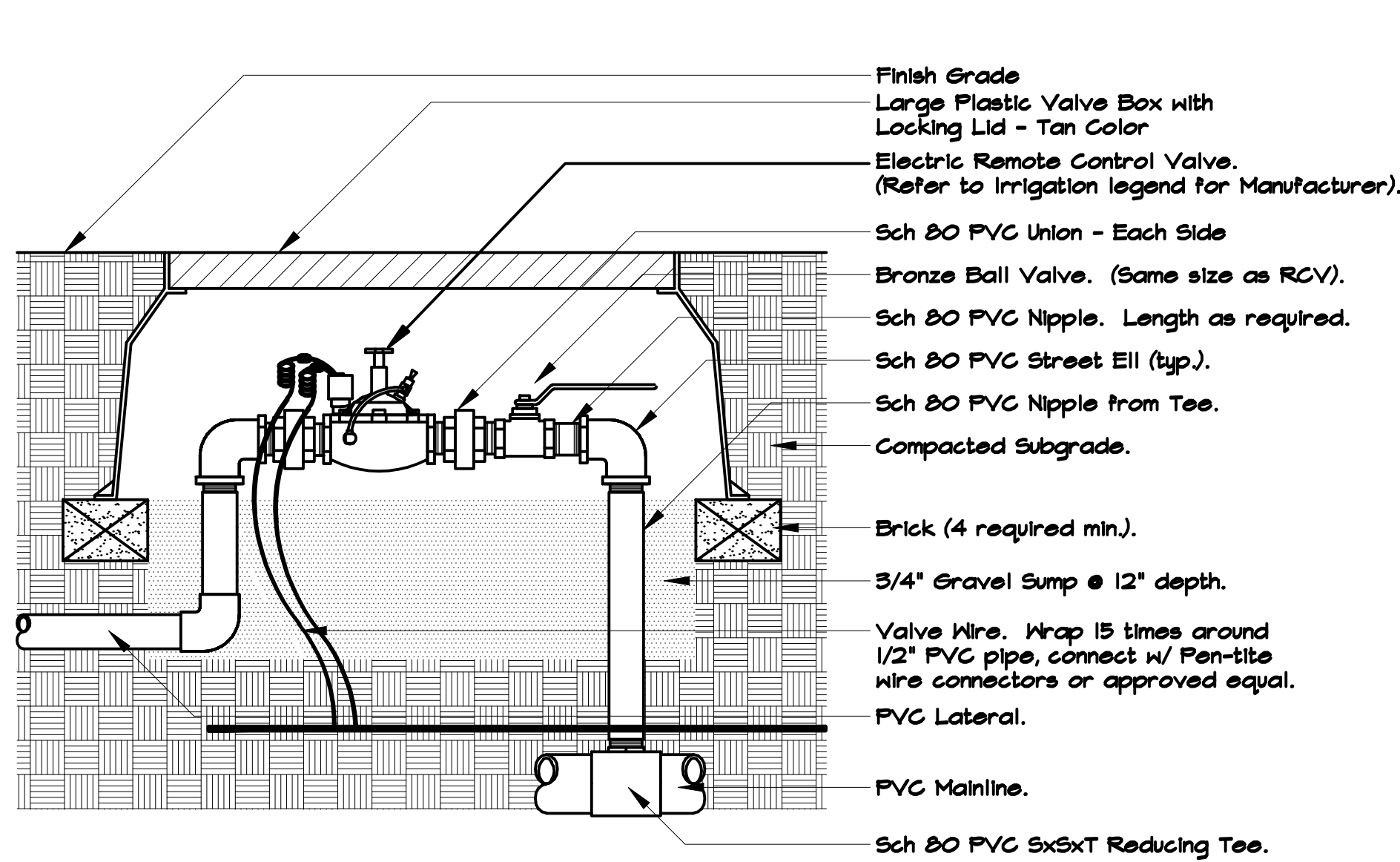
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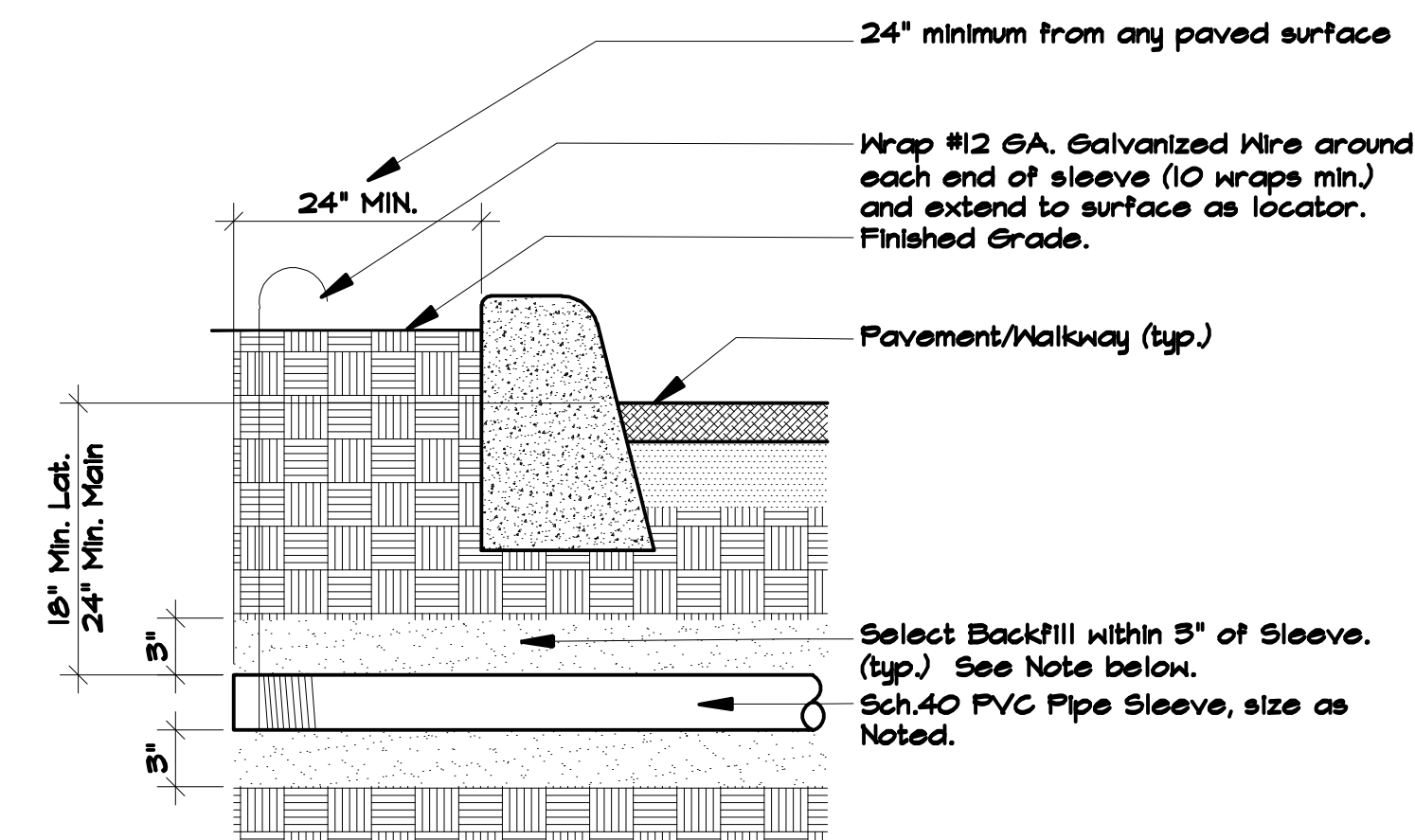
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NOTES:
Apply Recto Seal #5 or Teflon Tape to all pipe joints & thread connections, or approved equal.
Compact soil around piping and valve box to same density as undisturbed soil.
Refer to specifications for piping material.

1 REMOTE CONTROL VALVE - TURF

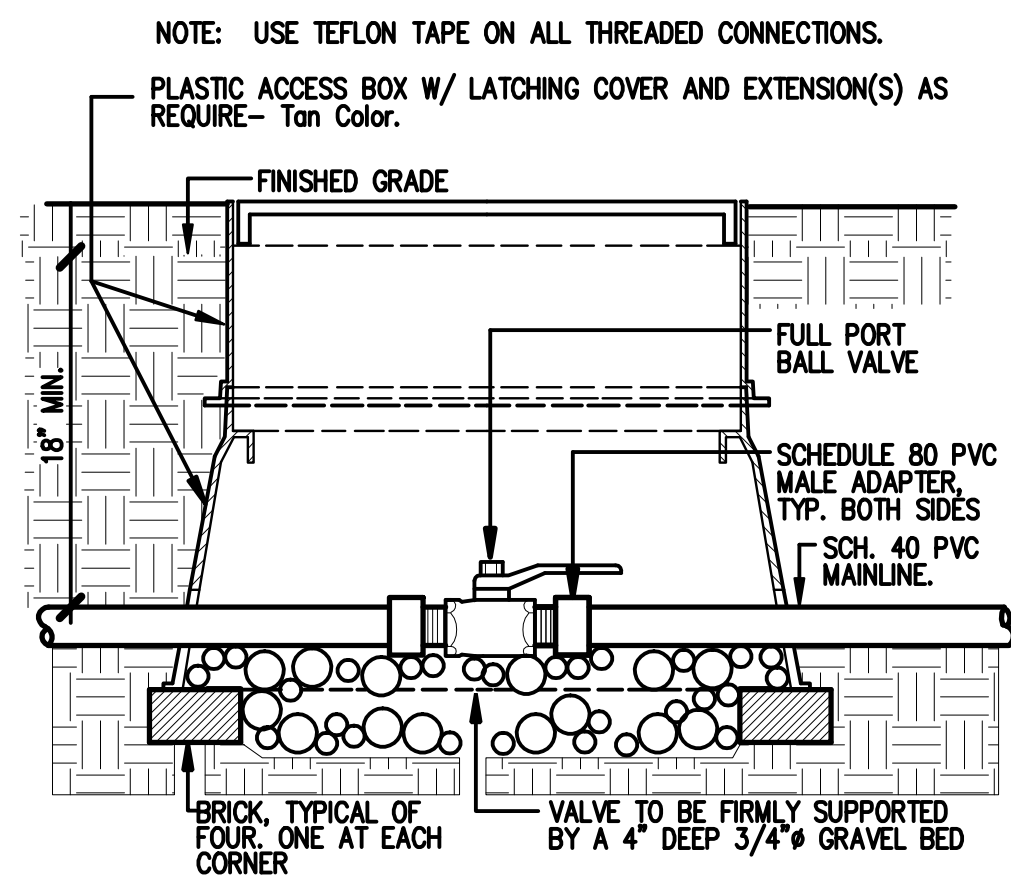
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NOTE:
Backfill within 3" of sleeve shall be free of rocks and stones larger than 1/2" Dia. If rock cannot be removed from excavated soil, provide clean sand bedding.

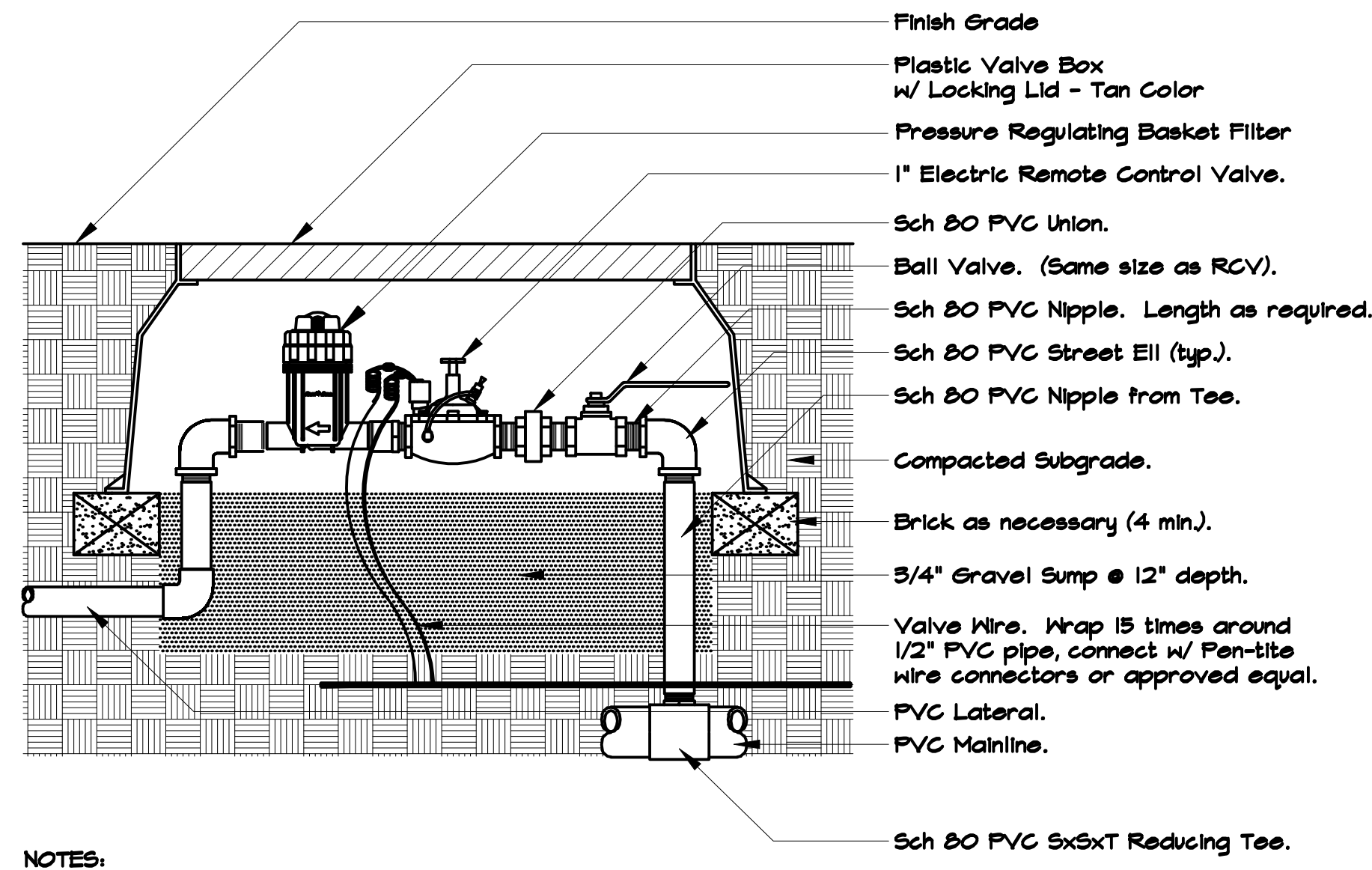
2 PIPE SLEEVING

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3 MAINLINE ISOLATION VALVE

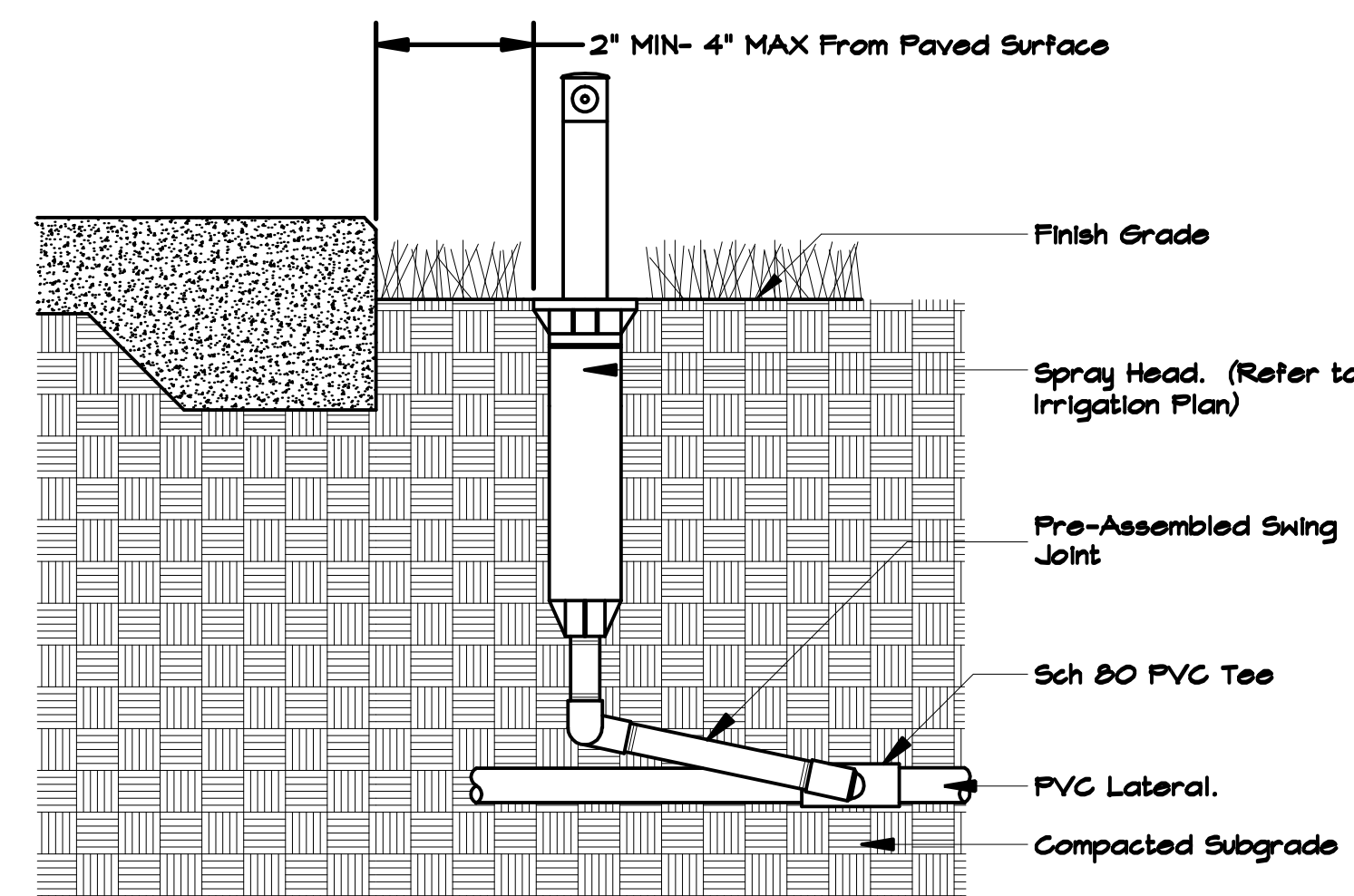
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NOTES:
Apply Recto Seal #5 or Teflon Tape to all pipe joints & thread connections, or approved equal.
Compact soil around piping and valve box to same density as undisturbed soil.
Refer to Specifications for piping material.

4 REMOTE CONTROL VALVE WITH FILTER - DRIFT

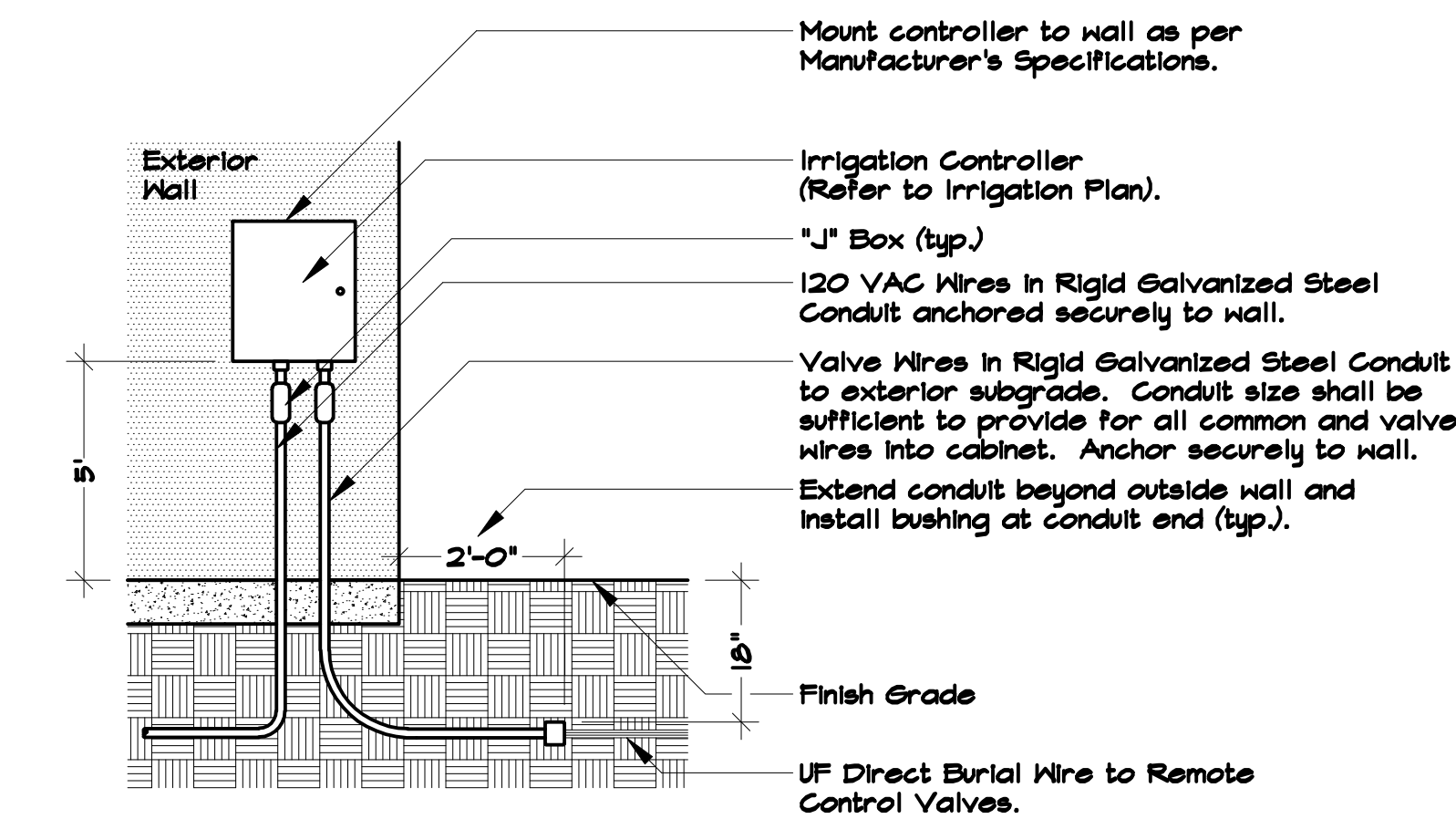
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NOTES:
Compact soil around sprinkler assembly to same density as undisturbed soil.
Refer to specifications for piping material.

5 POP UP SPRAY HEAD

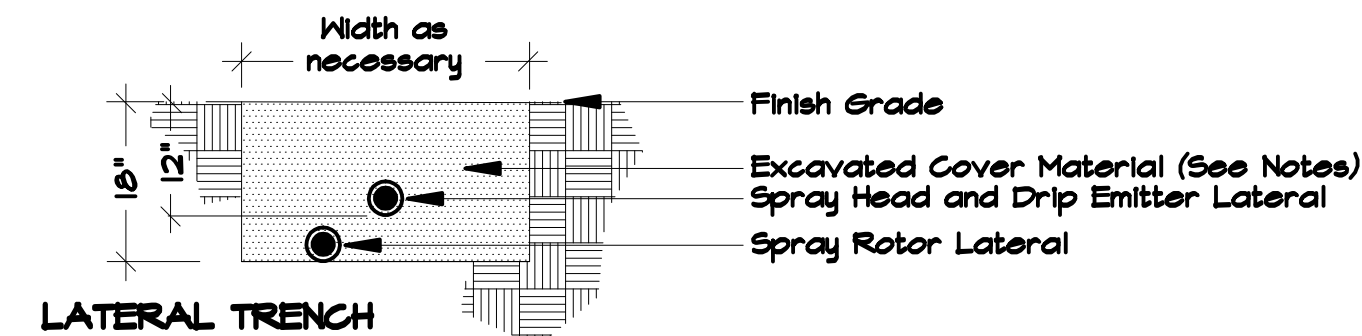
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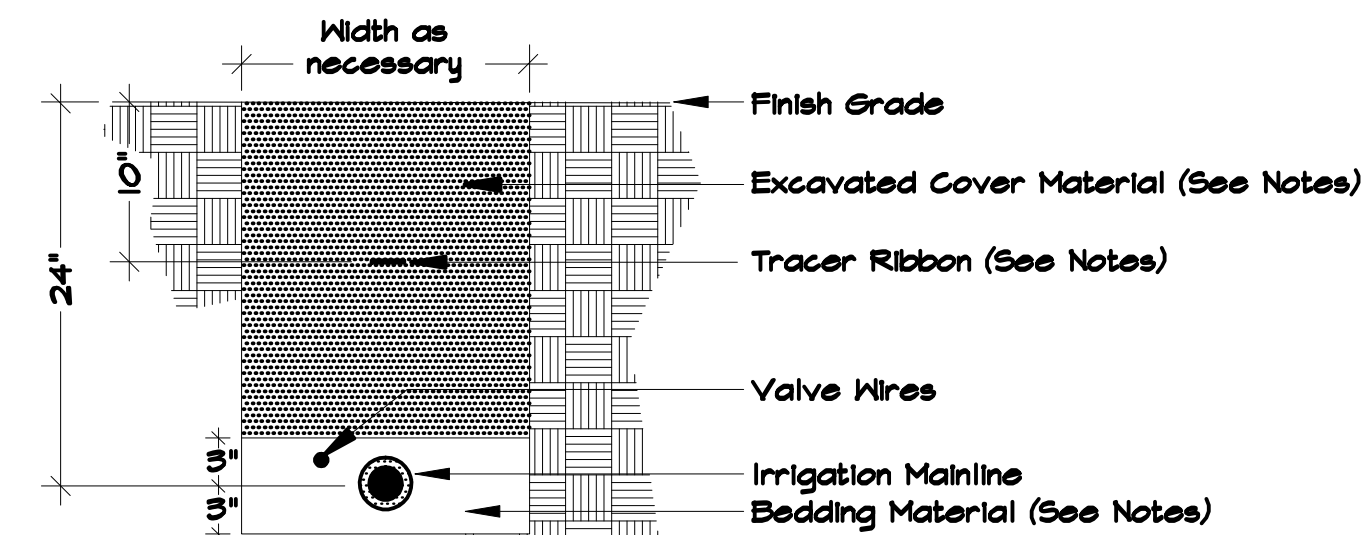
NOTES:
All wiring to be installed as per City Code.
Refer to Electrical Plans for location and power source.

6 WALL-MOUNTED IRRIGATION CONTROLLER

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LATERAL TRENCH

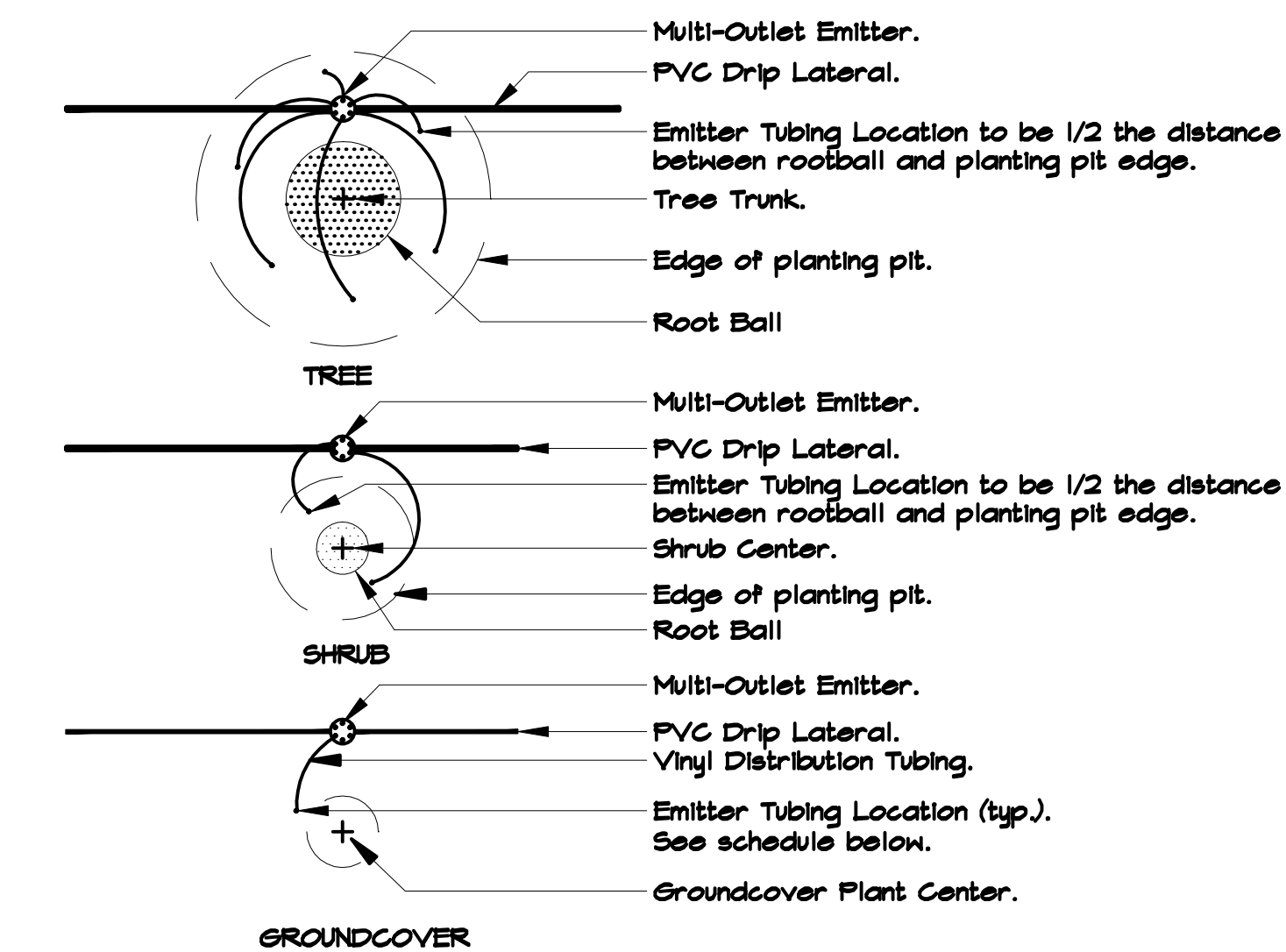


MAINLINE TRENCH

NOTES:
All mainlines to be installed in accordance with manufacturer's Specifications.
All electrical wire connections to valves and splices to be installed within a valve box and made with Pen-tite waterproof connectors, or approved equal.
Bundle and tape wiring at 10 foot intervals.
Valve wires to be installed within mainline trench wherever possible.
Bedding material shall be 1/4" minus sand, and shall be 3 inches below mainline and 3 inches above mainline.
Excavated cover material shall be free from debris and rocks 1/2 inch or greater.
Install Tracer Ribbon in all mainline trenches including quick coupler lines.
(See Specifications).

7 TRENCHING DETAIL

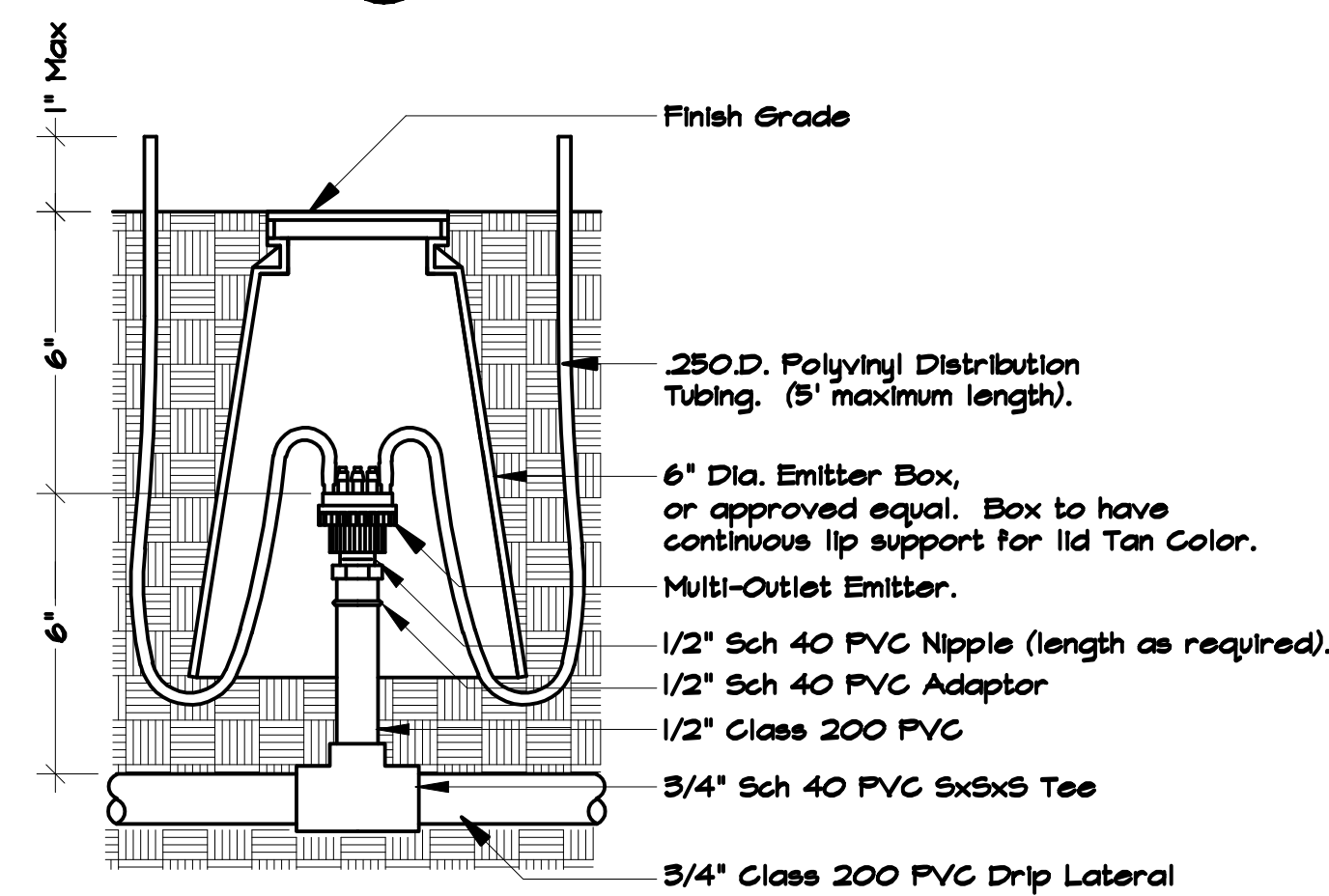
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NOTES:
Refer to Irrigation Key for Manufacturer.
Vinyl distribution tubing to be a maximum length of 10'.
6 outlets per tree, 2 outlets per shrub, 1 outlet per ground cover.
Emitters shall be located as follows from the center of the plant.
Trees & Shrubs: 1/2 the distance between edge of root ball and edge of planting pit.
Ground covers: one half the distance of the spacing between plants.

8 EMITTER PLACEMENT

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NOTES:
Compact soil around emitter assembly to same density as undisturbed soil.

9 EMITTER INSTALLATION

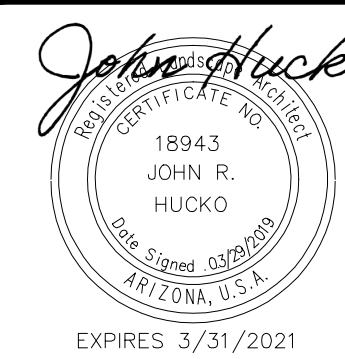
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MESA, ARIZONA

IRRIGATION DETAILS



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