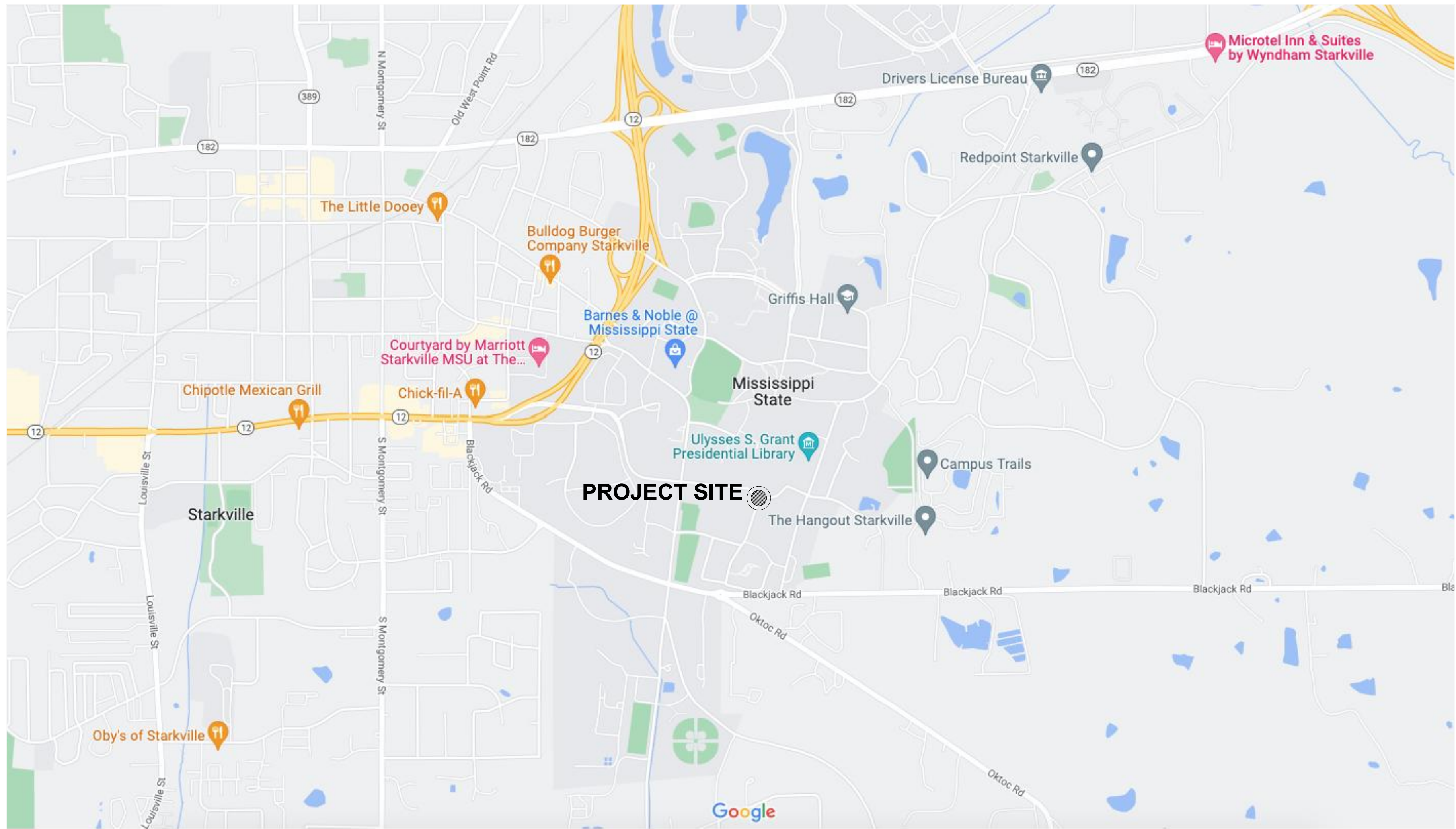


PRESIDENT'S CROSSING

MISSISSIPPI STATE UNIVERSITY, MISSISSIPPI



TRAFFIC CONTROL, SAFETY ITEMS

Contractor shall erect all warning signs, and provide the appropriate personnel, if required, and all other items required to safely handle traffic through work area. Contractor must coordinate this activity with Mississippi State University Facilities Management Department. Traffic Control Devices shall be provided by the Contractor. Traffic Control Devices provided must comply with the Manual on Uniform Traffic Control Devices, current edition. Contractor shall undertake and maintain adequate safety measures as and when necessary to protect exiting roads and streets from damage by vehicular traffic and/or heavy equipment.

SHEET INDEX

Irrigation Plans.....	I1.0 - 1.1
Landscape Plans and Details.....	L1.0 - 1.1

GENERAL NOTES:

1. PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS AND WITH THE CONTRACT DOCUMENTS ANY QUESTIONS OR DISCREPANCIES REGARDING THE NATURE OR INTENT OR THE WORK SHALL BE DIRECTED TO THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
2. ALL DEMOLITION AND REMOVAL WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND ORDINANCES AS SET FORTH BY ALL GOVERNING AUTHORITIES.
3. CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY ON THE PROJECT, AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN SAFE WORKING CONDITIONS. SITE SHALL BE SECURED, AS REQUIRED, TO PREVENT UNAUTHORIZED ACCESS TO THE WORK.
4. CARE SHOULD BE TAKEN AT INTERFACE BETWEEN DEMOLITION AND EXISTING CONSTRUCTION TO REMAIN. THIS CARE IS TO AVOID ANY DAMAGE TO EXISTING CONSTRUCTION TO REMAIN, AND TO UTILITIES, WHICH SERVES THAT CONSTRUCTION. THE CONTRACTOR SHALL CORRECT ALL DAMAGE CAUSED BY HIS WORKMEN, AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL NOTIFY, COORDINATE, SCHEDULE AND RECEIVE PERMISSION FROM THE OWNER PRIOR TO ANY SHUT DOWN OF THE SITE AND/OR BUILDING UTILITIES AS REQUIRED TO COMPLETE THE WORK. NOTIFICATION SHALL INCLUDE THE LENGTH OF TIME REQUIRED TO SHUT DOWN, LENGTH OF TIME SERVICE WILL BE DISCONNECTED, AND TIME REQUIRED TO RECONNECT SERVICES.
6. THE CONTRACTOR SHALL CONFORM TO MISSISSIPPI STATE UNIVERSITY REQUIREMENTS FOR THE PROTECTION OF ALL TREES TO REMAIN ON SITE.
7. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS BY THE CITY OF LONG BEACH, INCLUDING BUT NOT LIMITED TO SIGNAGE AND TREE TRIMMING/REMOVAL PERMITS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS, INCLUDING SHORING, BRACING, AND SEQUENCING NECESSARY FOR PROPER COMPLETION OF THE PROJECT.

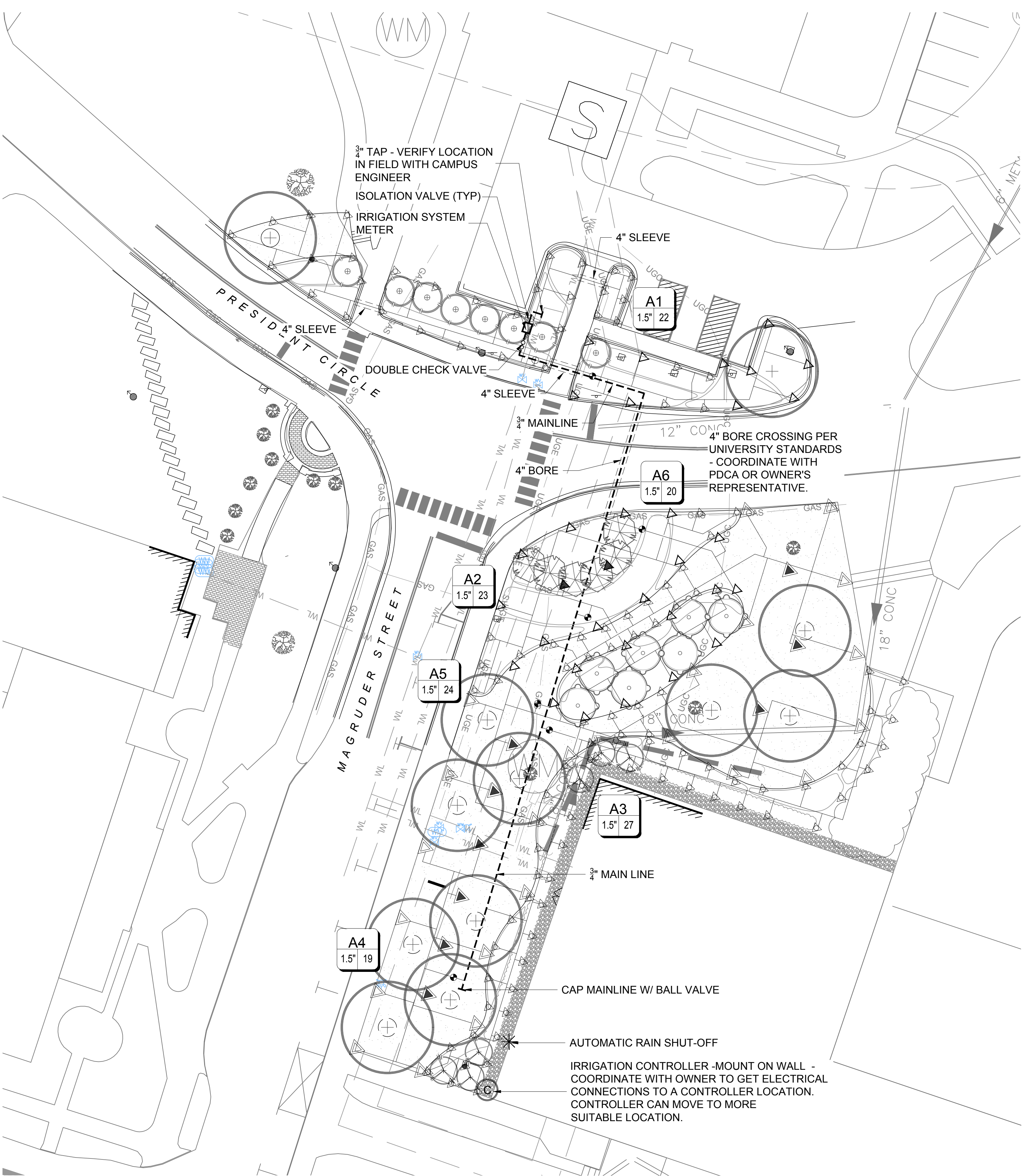
STORMWATER EROSION CONTROL NOTE:

THE CONTRACTOR MUST OBTAIN AND SIGN A STORM WATER EROSION CONTROL AGREEMENT WITH MISSISSIPPI STATE UNIVERSITY. THE CONTRACTOR IS RESPONSIBLE FOR ABIDING BY MDEQ REGULATIONS THROUGHOUT THE CONSTRUCTION OF THE PROJECT, AND MUST UNDERSTAND THAT THE CITY WILL ISSUE A STOP WORK ORDER AT ANY TIME THESE MEASURES ARE NOT IN COMPLIANCE UNTIL THE SITE IS IN COMPLIANCE. THE CONTRACTOR SHOULD OBTAIN A COPY OF THESE PRIOR TO BID, SO THAT REQUIREMENTS ARE KNOWN.



IRRIGATION NOTES

1. The irrigation system is diagrammatic based upon the information provided by the owner or the owner's representative. The successful contractor is responsible to install a system that will properly cover all areas indicated on the design. Actual layout of piping, sprinkler heads, valves, controllers and other related equipment shall be determined on site. Minor field changes shall be made at no additional cost to the owner.
- It is the responsibility of the irrigation contractor to be familiar with all grade differences, locations of walls, structures and utilities and make the necessary adjustments to accommodate the irrigation system as shown on the drawings. There may be times when it is obvious in the field that unknown obstructions, grades or dimensions that exist might not have been considered in the engineering, such obstructions should be brought to the attentions of the owner's authorized representative. In the event that this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions and costs that occur.
2. This system shall be installed using accepted and quality installation standards as used in the industry. All manufacturers specifications will be followed.
3. Mainline shall be buried a minimum of 12" of cover and a maximum of 18" of cover. Lateral line piping a minimum of 12" of cover. All backfill surrounding the pipe shall be cleaned of materials larger than 1" in size. Backfill shall be added in 6" increments and mechanically tamped.
4. There will be no substitutions or changes to the irrigation design allowed without direct, written approval from the Irrigation Consultant.
5. System design is based on pressure and flow information provided by others, static pressure of 35 psi and the size of the point of connection (P.O.C.) is as indicated on the drawing. The irrigation contractor shall verify water pressures prior to construction. Report differences between requirements and the actual readings to the owner's representative so that any zone adjustments can be made prior to installation.
6. Piping shown in paved area without sleeve is diagrammatic and shall be located inside of the planted area or turf area approximately 1' from any hardscape.
7. All valves shall be placed in valve boxes as shown in the details and all electrical connections shall be sealed with waterproof connectors. Control wire shall be solid copper wire U.L. approved for direct burial in the ground. See details.
8. Controllers, meters, taps and backflow locations are as shown on the plan or as stated in the details and legend. All information is to be verified prior to any installation of the project.
9. The Irrigation Contractor is responsible for all clean up associated with his work.
10. Irrigation contractor shall all provide the first winterization, spring turn on, head adjustments and controller maintenance in bid.
11. Costs associated with irrigation meter(s) shall be the responsibility of the irrigation contractor and shall be included in his/her bid.
12. Irrigation contractor shall provide photo documentation of all valves on the site and paste them on a plan in the locations so the context of the valve can be seen. A colored zoning plan of the system as coordinated with the controller shall be provided prior to the closeout of the project.



IRRIGATION LEGEND:

- RAINBIRD R17-24 SERIES ROTATOR
NOZZLE ON 1812 SPRINKLER, USE RISER IF NECESSARY
- RAINBIRD RVAN 1724 ROTATOR
NOZZLE ON 1812 SPRINKLER, USE RISER IF NECESSARY
- RAINBIRD R13-18 SERIES ROTATOR
NOZZLE ON 1812 SPRINKLER, USE 6" RISER IF NECESSARY
- RAINBIRD RVAN 13-18 ROTATOR
NOZZLE ON 1812 SPRINKLER, USE 6" RISER IF NECESSARY
- RAINBIRD R8-14 SERIES ROTATOR
NOZZLE ON 1812 SPRINKLER, USE 6" RISER IF NECESSARY
- RAINBIRD RVAN 8-14 ROTATOR
NOZZLE ON 1812 SPRINKLER, USE 6" RISER IF NECESSARY
- RAINBIRD RVAN STRIP SERIES ROTATOR
NOZZLE ON 1812 SPRINKLER, USE 6" RISER IF NECESSARY
- RAINBIRD, PEB SERIES, 1" AND 1 1/2" EL. REMOTE CONTROL VALVE (OR APP'D. EQ.), IN MIN. 12" ROUND BOX, FILL BOTTOM W/PEA GRAVEL, (SEE DETAIL)

RAINBIRD ESP-LXD TWO-WIRE CONTROLLER, PEDESTAL OR WALL MOUNTED, TO BE DETERMINED IN FIELD BY LANDSCAPE ARCHITECT. LOCATION SHOWN ON DRAWING IS A GENERAL REFERENCE. FINAL LOCATION TO BE DETERMINED WITH LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE IN THE FIELD. (SEE SHEET I101).

WIRELESS RAIN SENSOR

DOUBLE CHECK VALVE (SEE DETAIL 2, SHEET I101)

ISOLATION VALVE - (MAIN SIZE), 125# W.O.G., BRASS BALL VALVE IN AMETEK 10" ROUND BOX, FILL BOTTOM WITH PEA GRAVEL (SIMILAR TO CONTROL VALVE) ISOLATION VALVES (IV) SHALL BE IN A LOCKABLE BOX.

IRRIGATION MAINLINE, PVC SDR 21, CLASS 200BE SIZE AS NOTED ON DRAWINGS

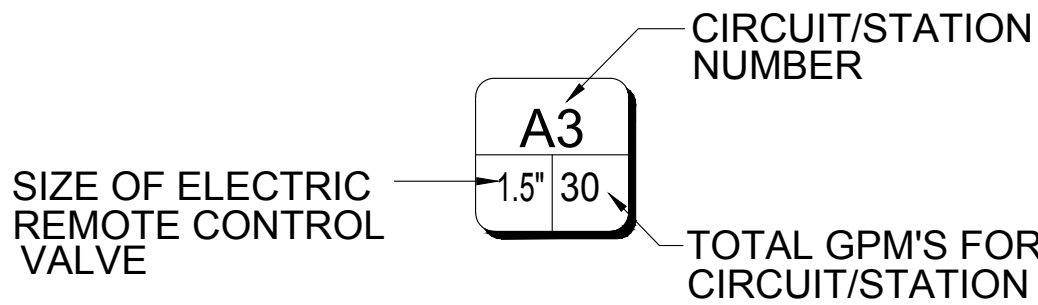
IRRIGATION LATERAL PIPE, PVC SDR 21, CLASS 200BE

SCHEDULE 40 PVC SLEEVE - 6" TYPICAL

PIPE SIZING CHART:

CONTRACTOR TO SIZE EACH CIRCUIT/STATION LATERAL PIPING USING THE FOLLOWING:

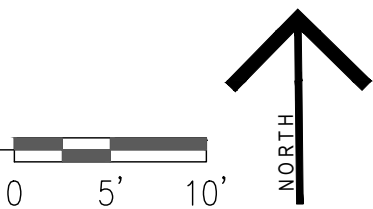
PIPE SIZE	MAX. GPM'S
1/2"	6
3/4"	10
1"	16
1 1/4"	28
1 1/2"	35
2"	55
3"	120

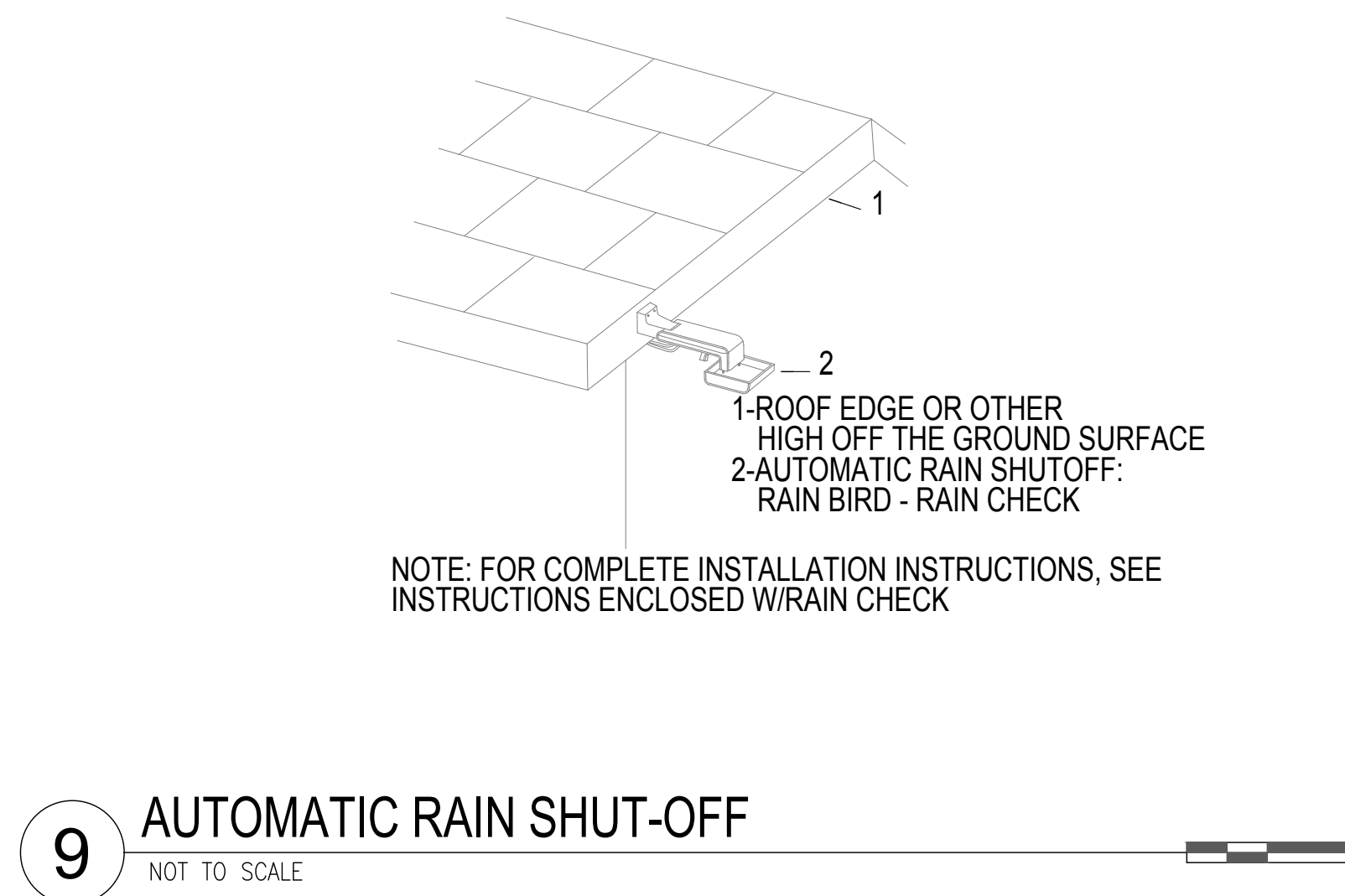
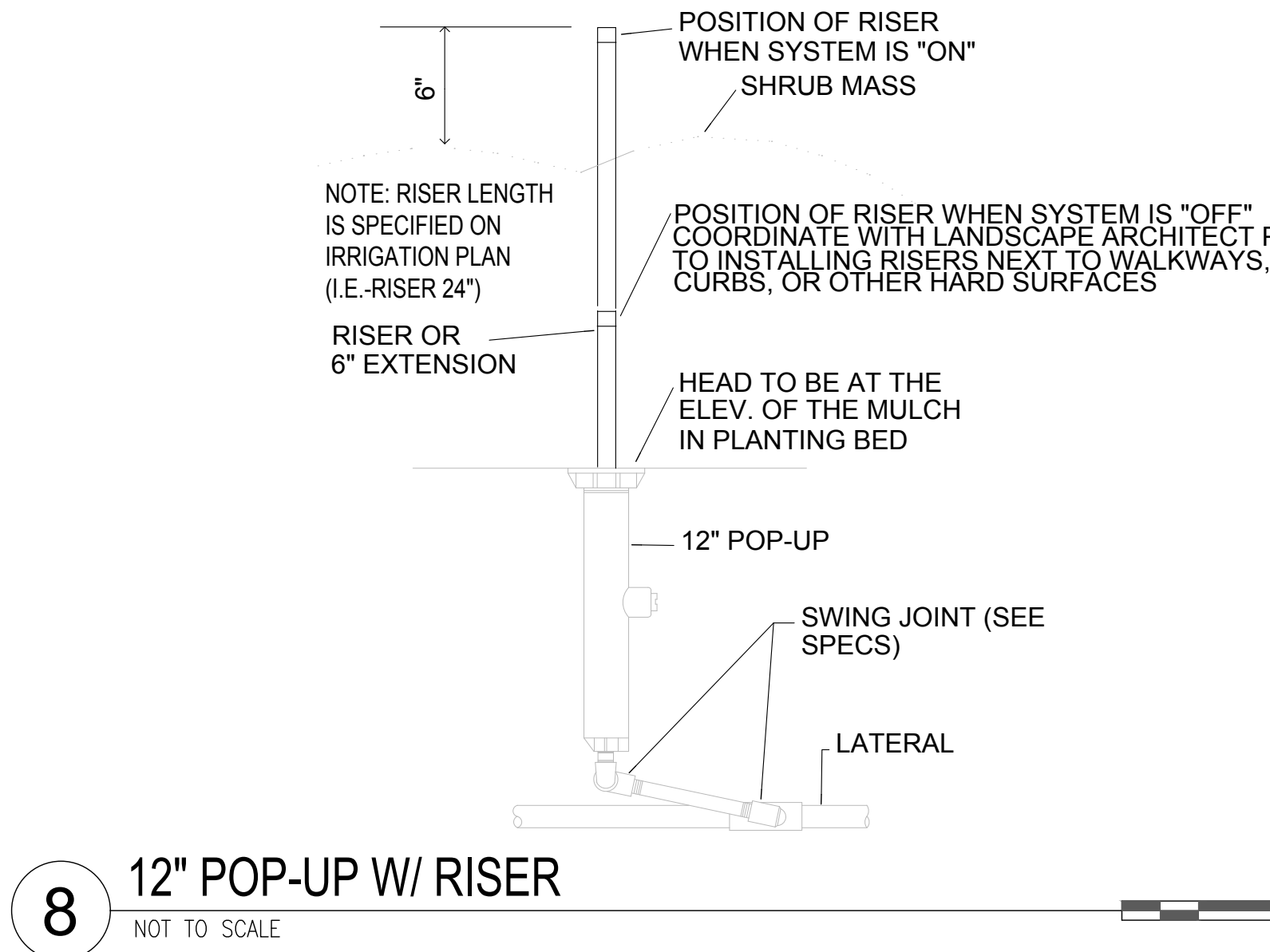
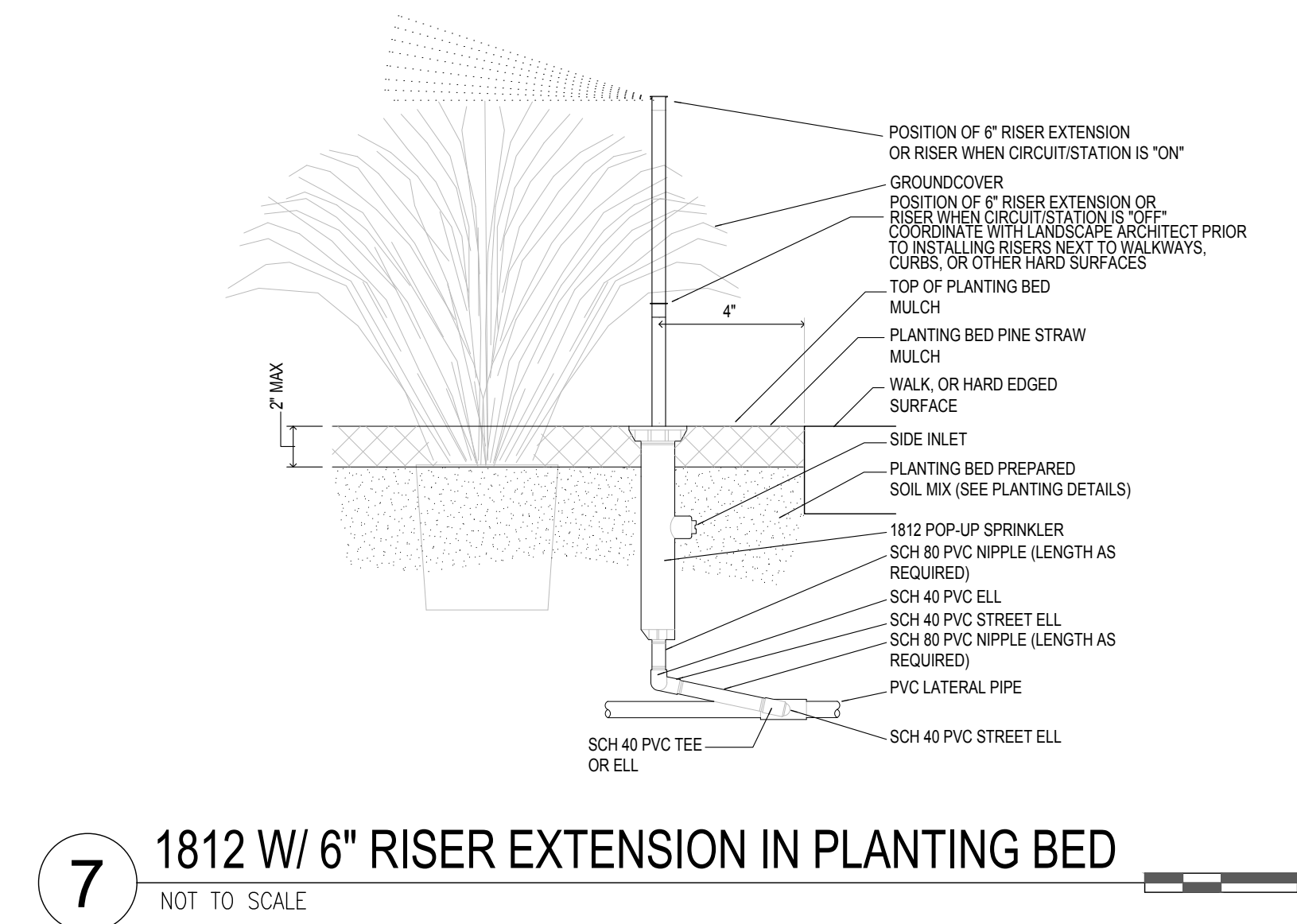
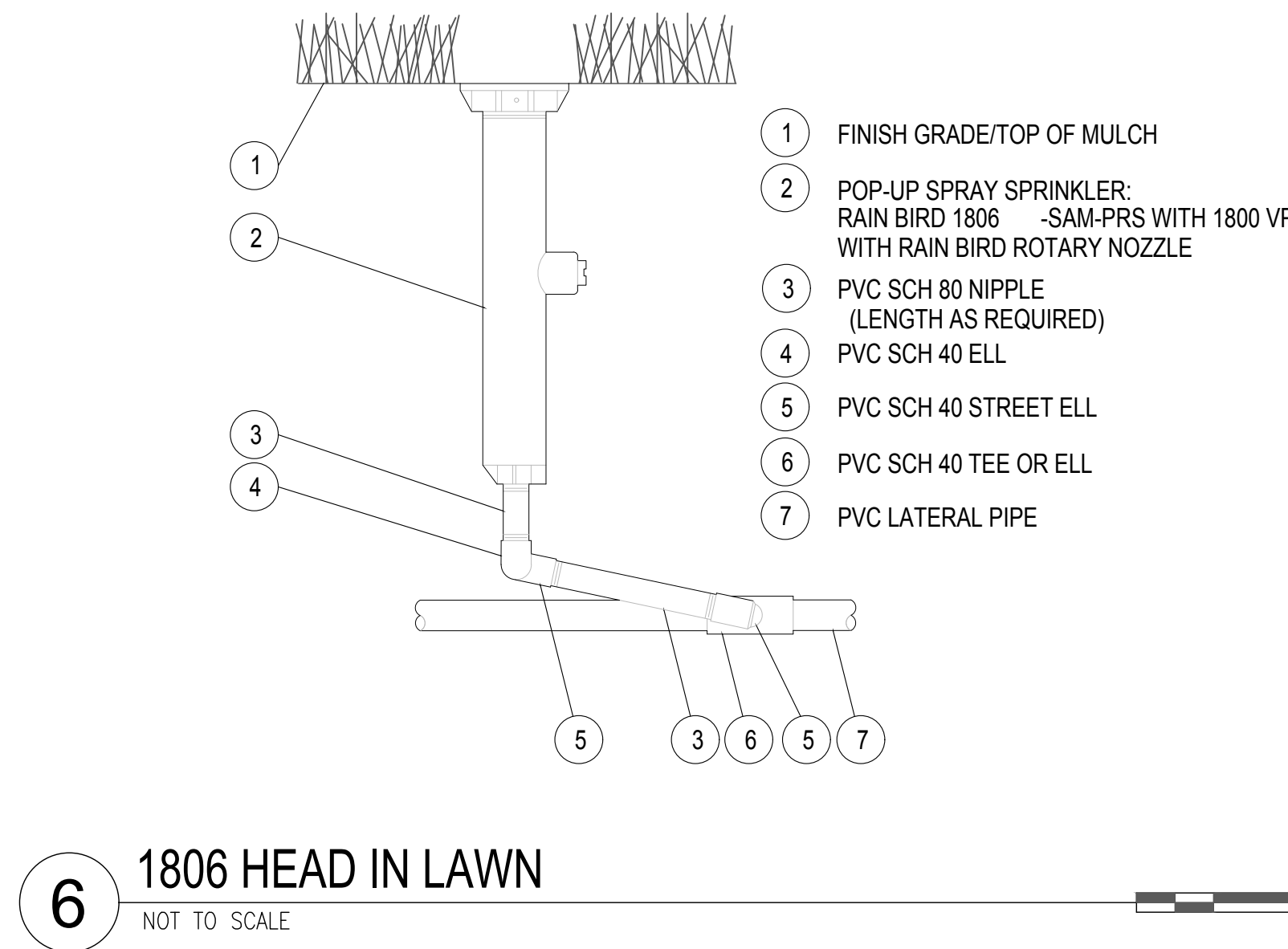
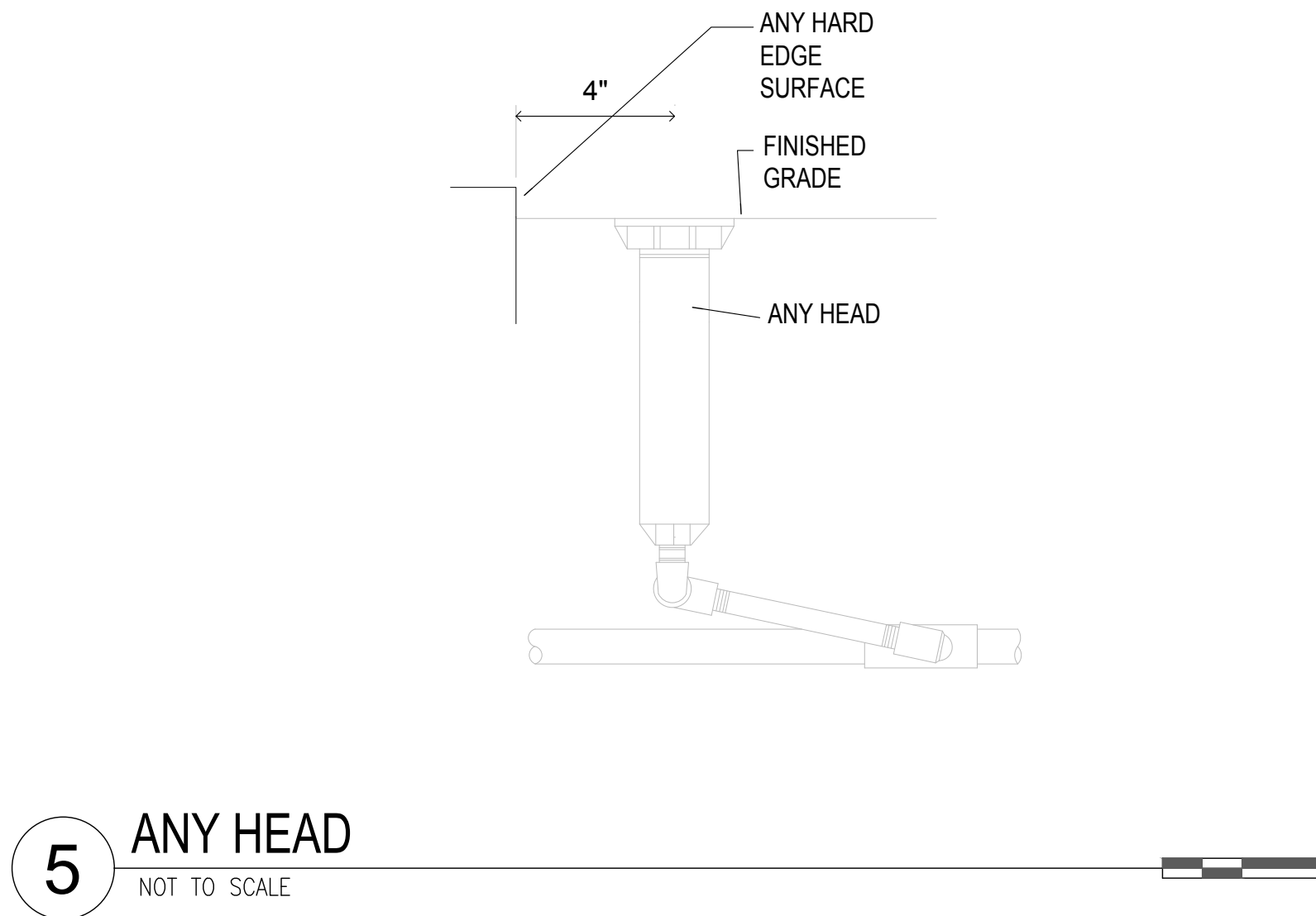
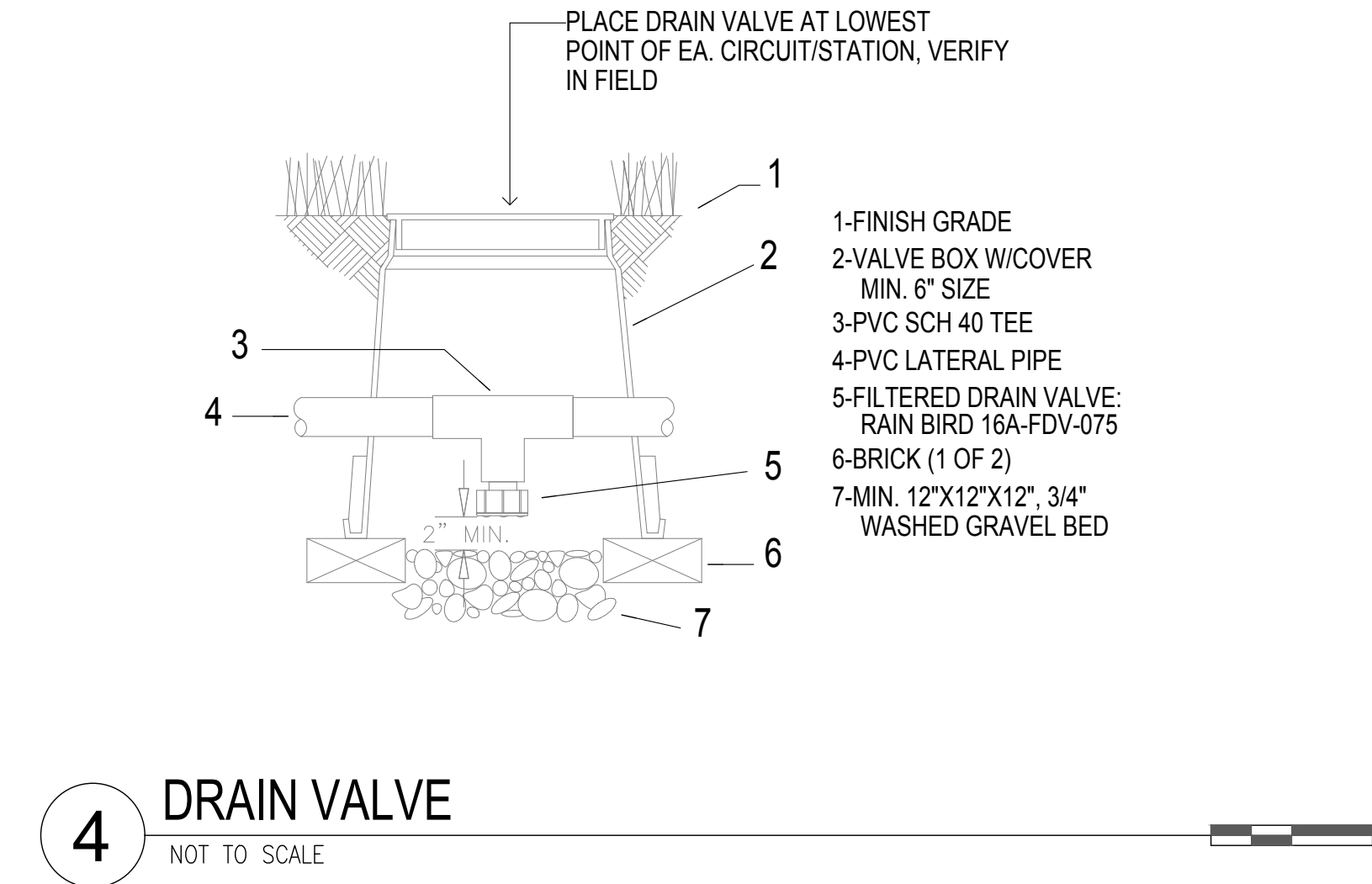
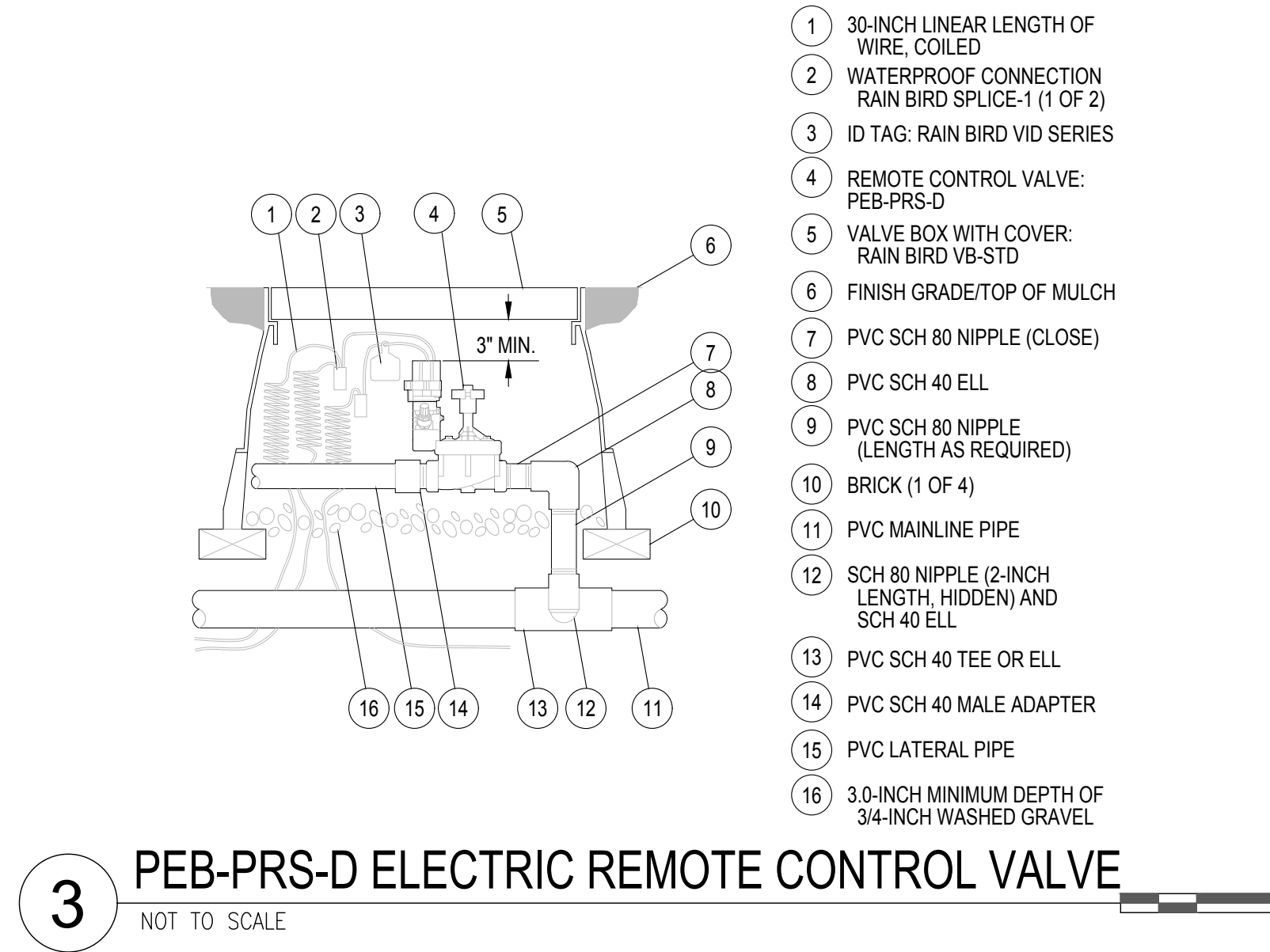
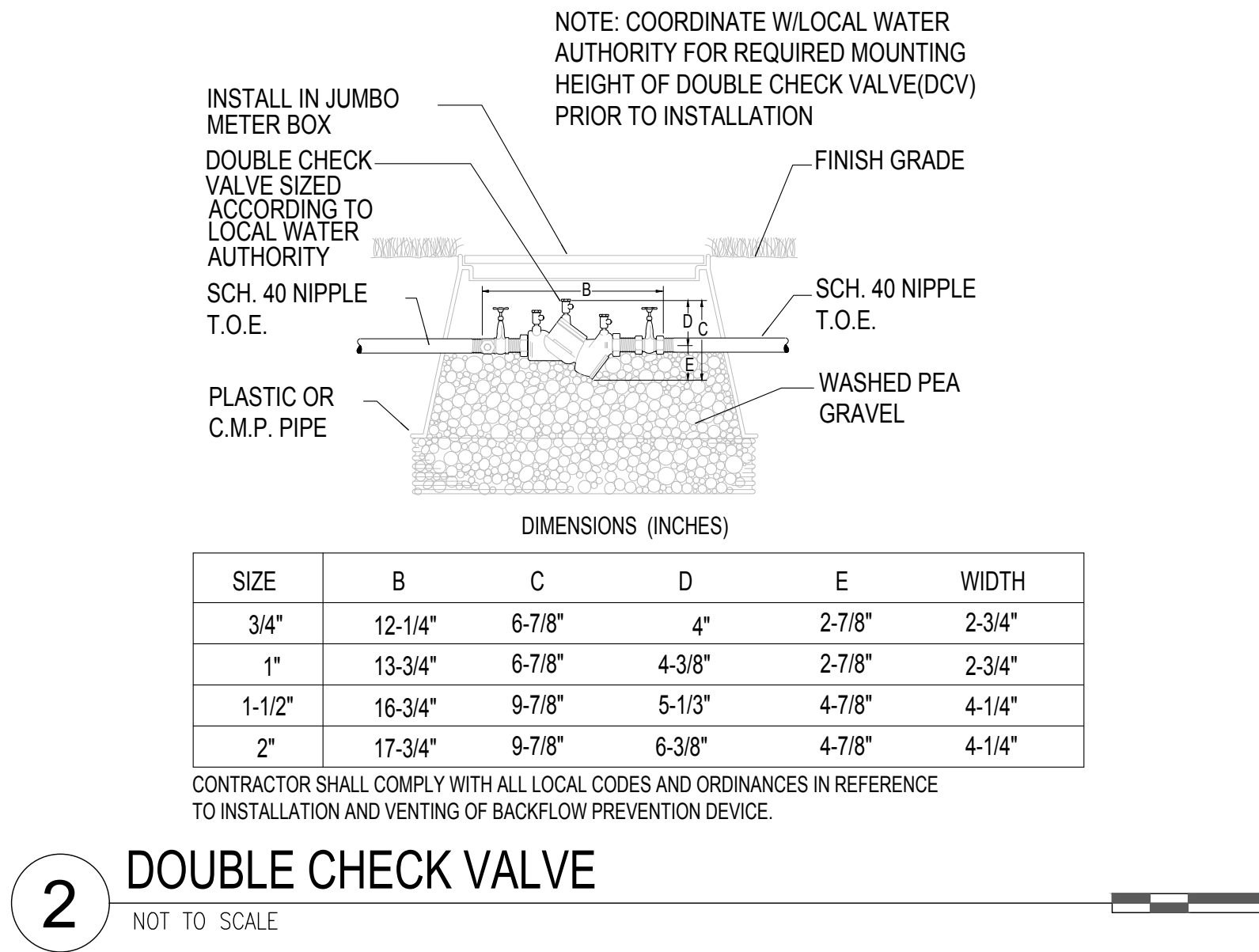
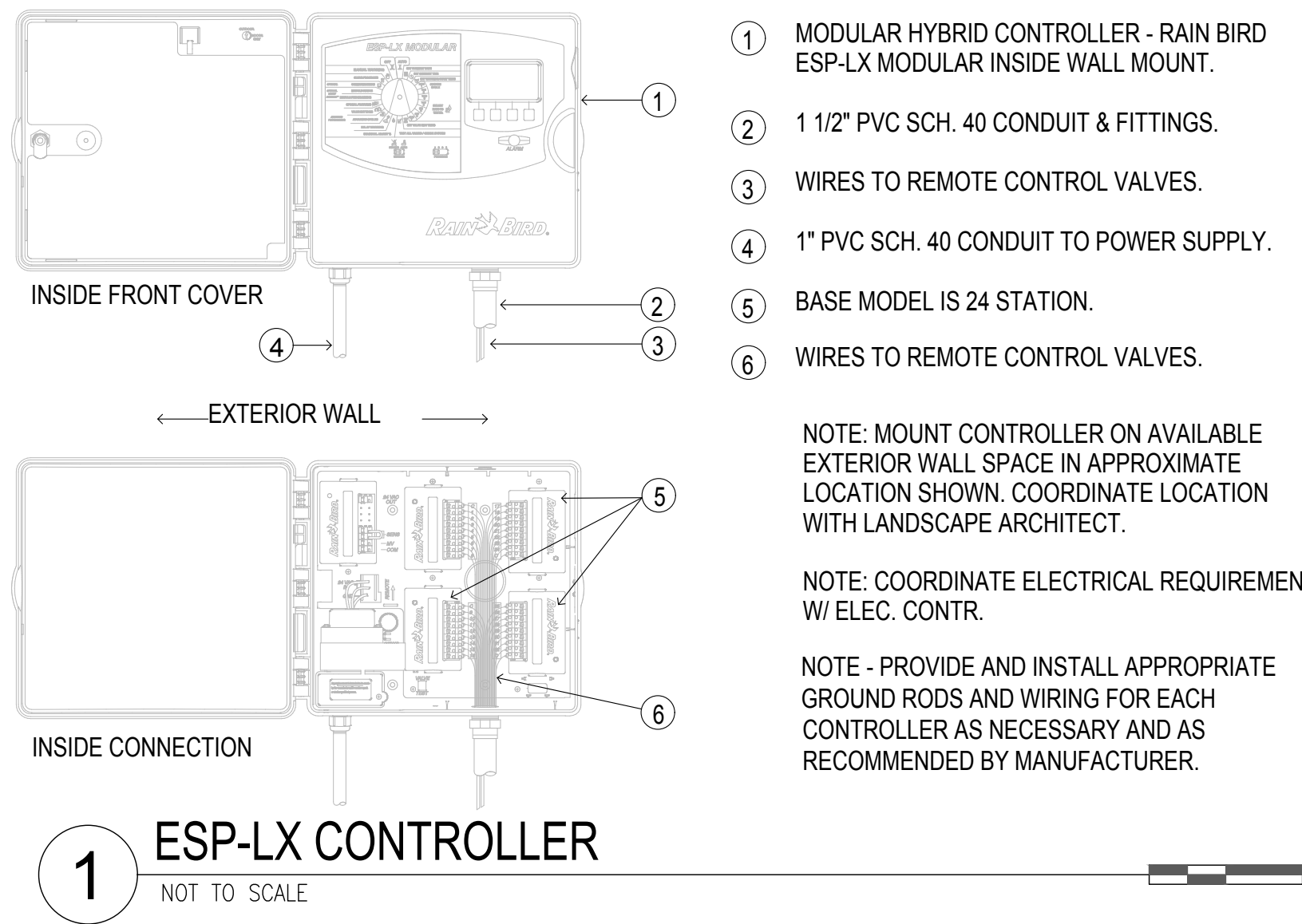


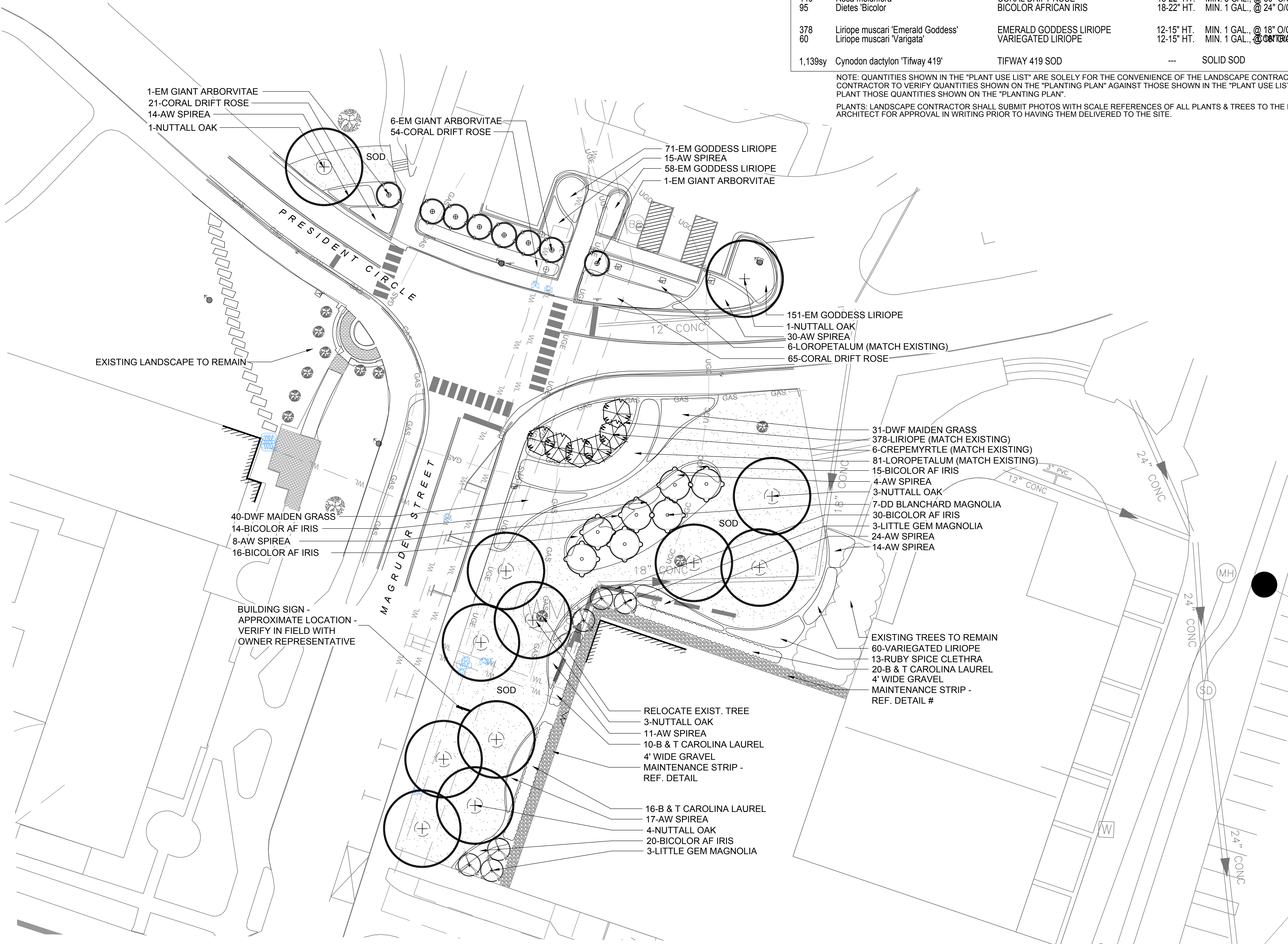
EACH CIRCUIT/STATION SHOWN HEREIN HAS THE NUMBER OF GPM'S REQ'D. FOR THAT CIRCUIT/STATION. EACH CIRCUIT/STATION IS DESIGNED BASED ON 30-35PSI AT THE VALVE.

1 IRRIGATION PLAN

SCALE: 1" = 10'





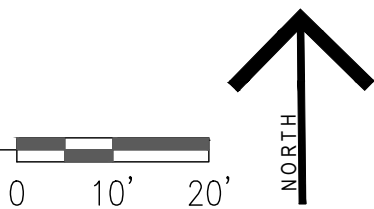


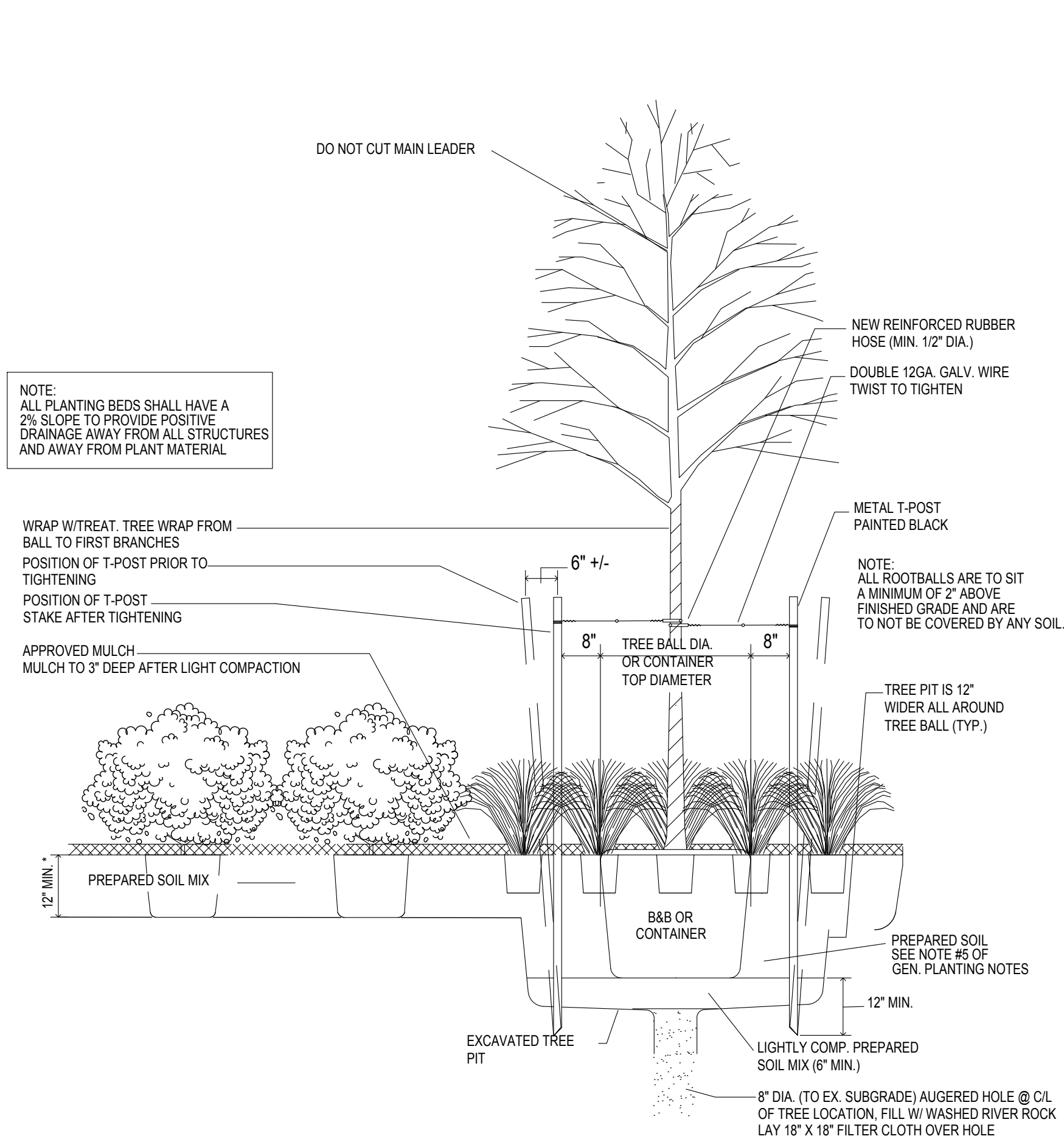
PLANT USE LIST: BASE BID				
quantity	botanical name	common name	size	remarks
12	Quercus nuttallii	NUTTALL OAK	14'-16' HT.	MIN. 65 GAL., MIN. 5'-6" SPREAD, 3.5" - 4.5" CAL., FULL, WELL BRANCHED SINGLE TRUNK SPECIMEN
7	Magnolia grandiflora 'DD Blanchard'	DD BLANCHARD MAGNOLIA	10'-12' HT.	MIN. 65 GAL., MIN. 4'-5" SPREAD, 2.5" - 3.5" CAL., FULL TO GROUND, WELL BRANCHED, SINGLE TRUNK SPECIMEN
6	Magnolia grandiflora 'Little Gem'	LITTLE GEM MAGNOLIA	8'-10' HT.	MIN. 65 GAL., MIN. 4'-5" SPREAD, 2.5" - 3.5" CAL., FULL TO GROUND, WELL BRANCHED, SINGLE TRUNK SPECIMEN
6	Lagerstroemia indica	CREPEMYRTLE (MATCH EX. VARIETY)	8'-10' HT.	MIN. 45 GAL., MIN. 3'-5" SPREAD, FULL, WELL BRANCHED, MULTI-TRUNK SPECIMEN
46	Prunus caroliniana 'Monus'	BRIGHT N' TIGHT CAROLINA LAUREL	30-36" HT.	MIN. 15 GAL., @ 4' O/C, FULL, WELL BRANCHED PLANTS, CONTINUOUS HEDGE
20	Clethra alnifolia 'Ruby Spice'	RUBY SPICE CLETHRA	24-30" HT.	MIN. 3 GAL., @ 3' O/C, FULL, WELL BRANCHED PLANTS, CONTINUOUS HEDGE
107	Loropetalum chinense	LOROPETALUM (MATCH EX. VARIETY)	24-30" HT.	MIN. 3 GAL., @ 3' O/C, FULL, WELL BRANCHED PLANTS, STAGGER CENTERS
71	Miscanthus sinensis 'Adagio'	DWARF MAIDEN GRASS	24-30" HT.	MIN. 3 GAL., @ 3' O/C, FULL, WELL BRANCHED PLANTS, STAGGER CENTERS
92	Spiraea x bumalda 'Anthony Waterer'	ANTHONY WATERER SPIREA	24-30" HT.	MIN. 3 GAL., @ 3' O/C, FULL, WELL BRANCHED PLANTS, STAGGER CENTERS
140	Rosa moidiflora	CORAL DRIFT ROSE	18-22" HT.	MIN. 3 GAL., @ 30" O/C, FULL, WELL BRANCHED PLANTS, STAGGER CENTERS
95	Dietes 'Bicolor'	BICOLOR AFRICAN IRIS	18-22" HT.	MIN. 1 GAL., @ 24" O/C, FULL, WELL BRANCHED PLANTS, STAGGER CENTERS
378	Liriope muscari 'Emerald Goddess'	EMERALD GODDESS LIRIOPE	12-15" HT.	MIN. 1 GAL., @ 18" O/C, FULL PLANTS, STAGGER CENTERS
60	Liriope muscari 'Variegata'	VARIEGATED LIRIOPE	12-15" HT.	MIN. 1 GAL., @ 18" O/C, FULL PLANTS, STAGGER CENTERS
1,139sy	Cynodon dactylon 'Tifway 419'	TIFWAY 419 SOD	---	SOLID SOD

NOTE: QUANTITIES SHOWN IN THE "PLANT USE LIST" ARE SOLELY FOR THE CONVENIENCE OF THE LANDSCAPE CONTRACTOR. CONTRACTOR TO VERIFY QUANTITIES SHOWN ON THE "PLANTING PLAN" AGAINST THOSE SHOWN IN THE "PLANT USE LIST", AND PLANT THOSE QUANTITIES SHOWN ON THE "PLANTING PLAN".

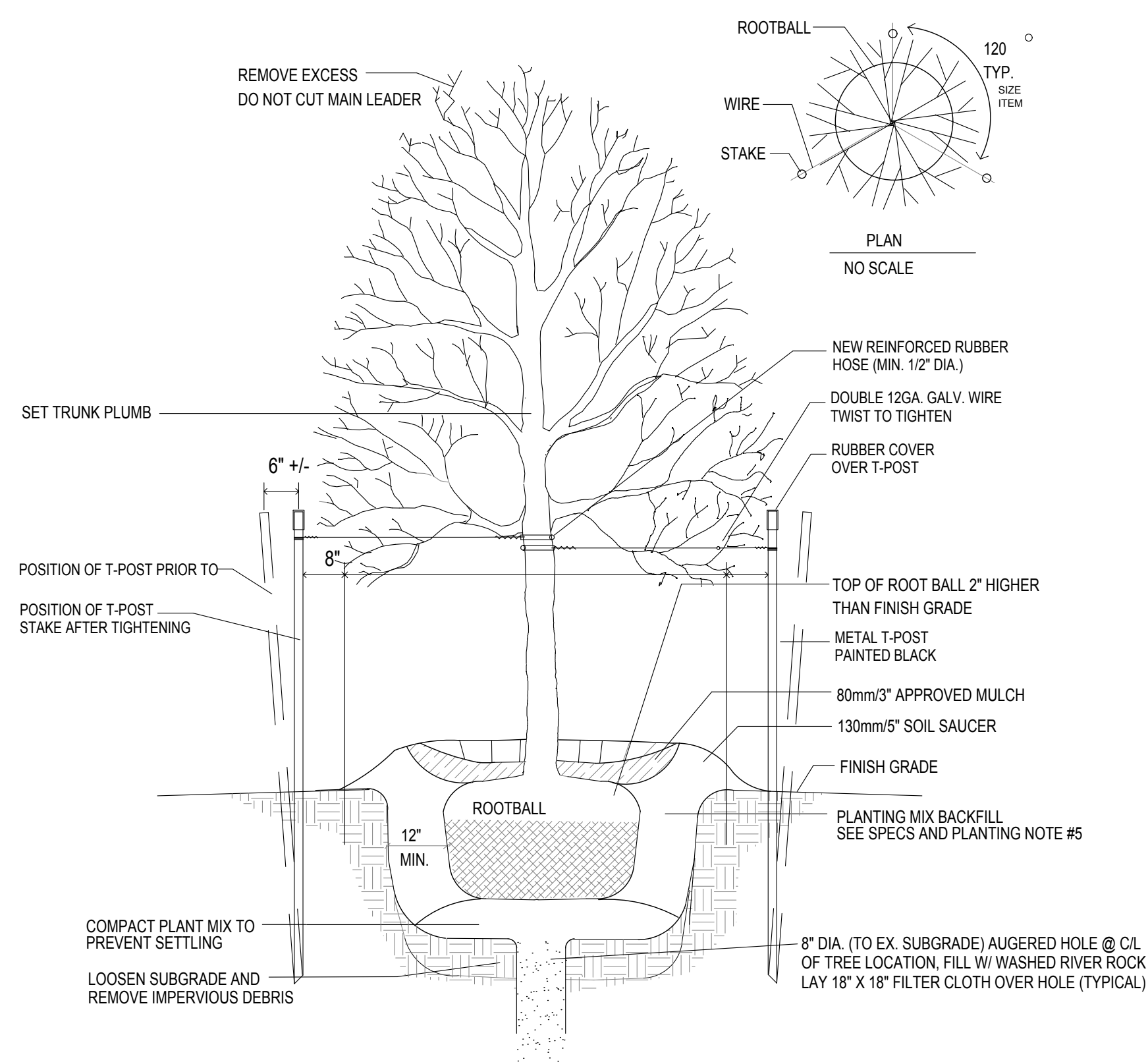
PLANTS: LANDSCAPE CONTRACTOR SHALL SUBMIT PHOTOS WITH SCALE REFERENCES OF ALL PLANTS & TREES TO THE LANDSCAPE ARCHITECT FOR APPROVAL IN WRITING PRIOR TO HAVING THEM DELIVERED TO THE SITE.

1 LANDSCAPE PLAN
SCALE: 1" = 20'

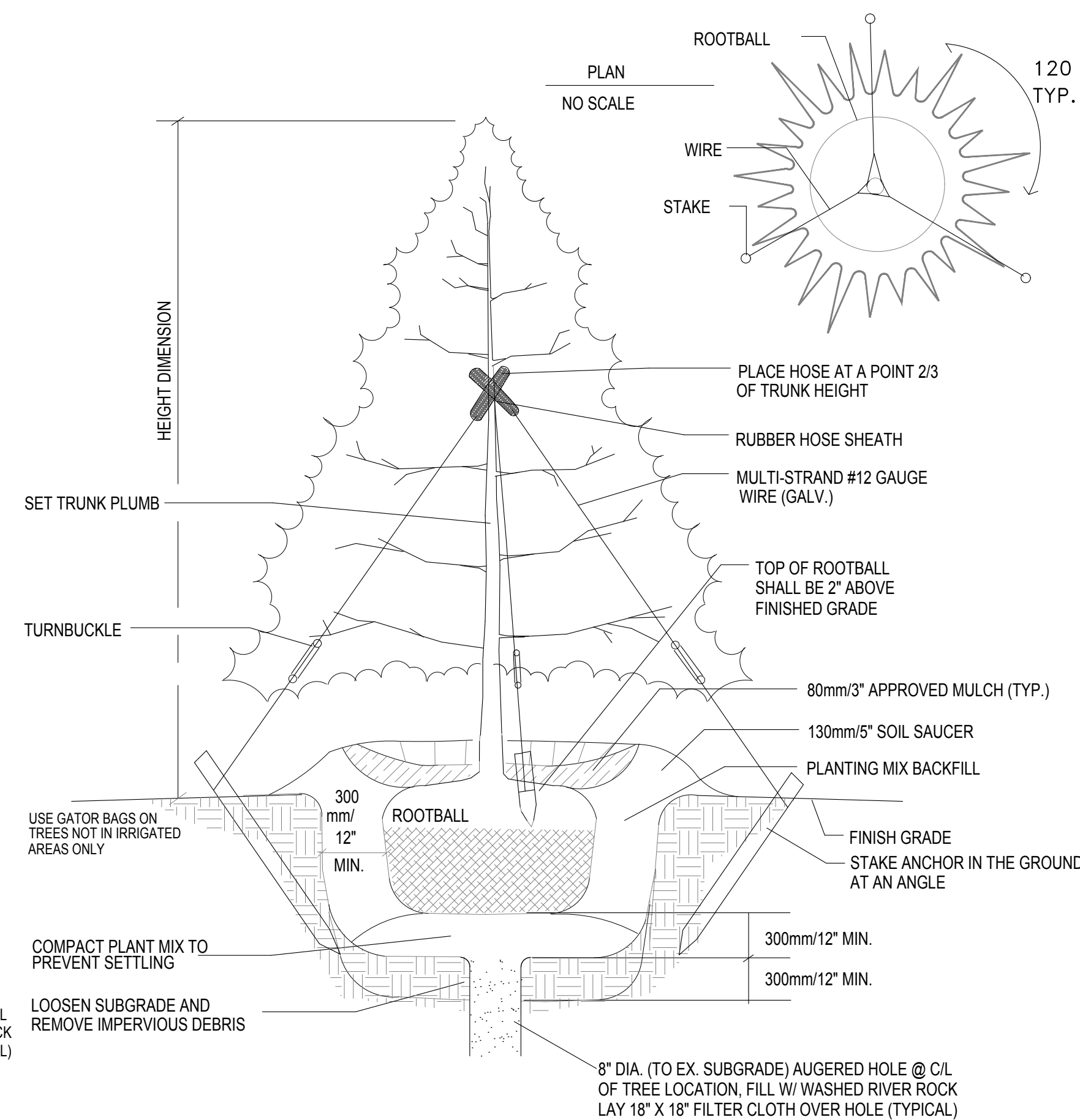




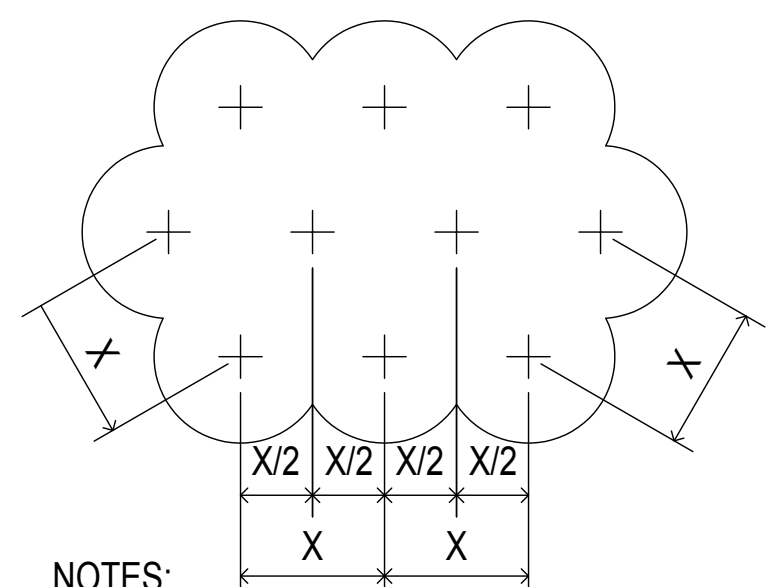
1 TYPICAL PLANTING SECTION IN BED AREAS
NOT TO SCALE



2 TYPICAL TREE PLANTING & GUYING IN LAWN

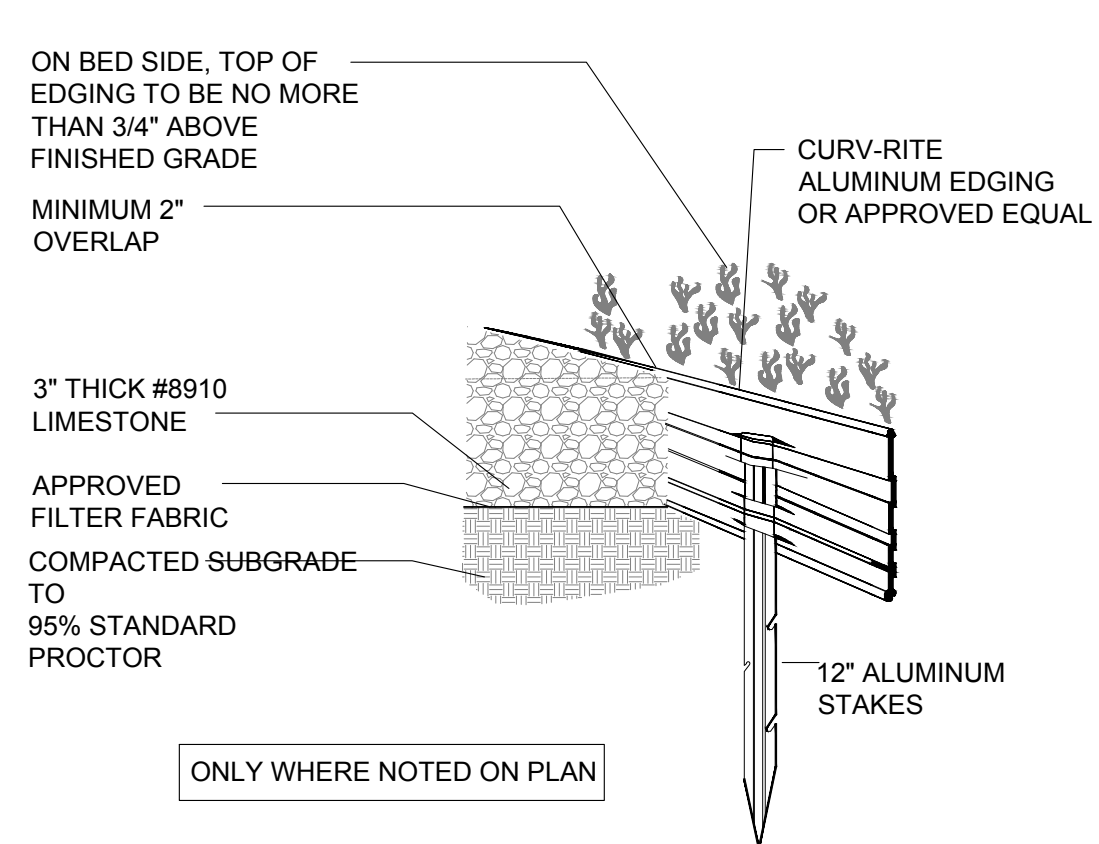


3 TYPICAL EVERGREEN TREE PLANTING



- NOTES:
1. SEE PLANTING PLAN FOR BED LAYOUTS.
 2. ROWS SHALL BE STRAIGHT & PARALLEL UNLESS BED AREA FOR PARTICULAR PLANT IS SHOWN IN A CIRCULAR OR IRRREGULAR AREA, THEN AS DIRECTED BY LANDSCAPE ARCHITECT.
 3. SEE "PLANT USE LIST" FOR PLANT SPACING.

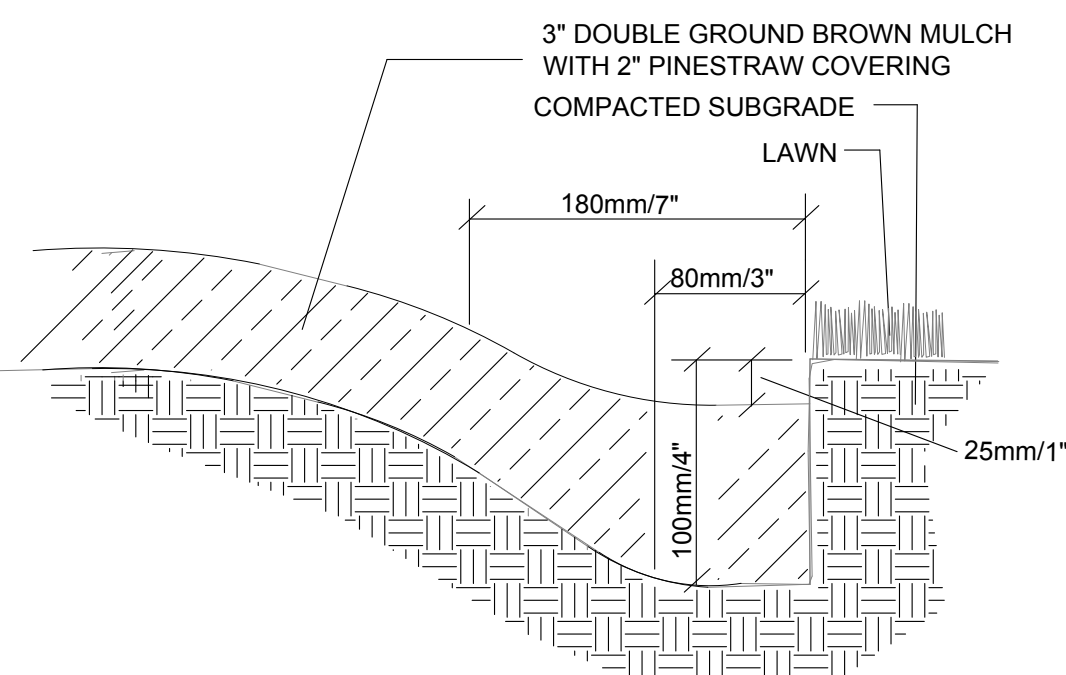
4 PLANT SPACING DETAIL



NOTE
SUBMIT SAMPLES OF LIMESTONE
FOR APPROVAL BY LANDSCAPE
ARCHITECT. COMPACT
LIMESTONE TO 95% STANDARD
PROCTOR MINIMUM.

TECHNICAL SPECIFICATION:
LANDSCAPE BED EDGING SHALL
BE CURV-RITE: (3/16) INCH THICK
ALUMINUM EDGING, (.55") INCHES
DEEP WITH A (DECO BRONZE
FINISH) AS MANUFACTURED BY
CURV-RITE, INC. WAYLAND, MI:
1-800-366-2878. OR APPROVED
EQUAL. SIXTEEN (16) FOOT
SECTIONS SHALL BE USED WITH
(1) SUBSURFACE STAKE PER (38)
INCHES OF EDGING. EDGING
SHALL HAVE A MINIMUM OF (2)
INCHES OF INTERLOCKING
OVERLAP BETWEEN SECTIONS.
INSTALL PER MANUFACTURER'S
SPECIFICATIONS WITH TOP OF
EDGING 1/4" TO 1/2" ABOVE
COMPACTED FINISH GRADE.
FINISH GRADE TO BE
COMPACTED ON EITHER SIDE OF
EDGING TO MAINTAIN STABILITY.

LIMESTONE MAINTENANCE PATH
& ALUMINUM EDGING DETAIL



NOTE: TRENCH EDGE TO BE LOCATED BETWEEN
PLANTING BEDS AND ALL LAWN AREAS.

5 TRENCH BED EDGE DETAIL

- GENERAL PLANTING NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITE INSPECTION PRIOR TO LANDSCAPE CONSTRUCTION TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL VERIFY PLANT QUANTITIES FROM THE PLAN AND REPORT DIFFERENCES TO THE OWNER'S REPRESENTATIVE FOR ADJUSTMENTS.
3. ALL PLANT MATERIALS ARE SUBJECT TO APPROVAL OR REFUSAL BY THE OWNERS REPRESENTATIVE AT THE JOB SITE.
4. CONTRACTOR SHALL LAYOUT ALL PLANT MATERIAL FOR REVIEW BY OWNER'S REPRESENTATIVES APPROVAL PRIOR TO PLANTING. A MINIMUM 48 HOURS NOTICE SHOULD BE GIVEN AND ANTICIPATED BY THE CONTRACTOR FOR THIS REVIEW.
5. CONTRACTOR SHALL AMEND ALL PLANTING AREAS WITH 60% APPROVED ORGANIC SOIL MIX AND 40% APPROVED SANDY LOAM TOPSOIL PROPER DRAINAGE SHALL BE OBTAINED IN ALL AREAS. DO NOT BACK FILL HOLES WITH EXISTING SUBGRADE.
6. PLANTS SHALL BE WELL FORMED, VIGOROUS, GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM INJURY, INSECTS AND DISEASES. PLANTS SHALL EQUAL OR SURPASS QUALITY AS DEFINED IN THE CURRENT ISSUE OF NURSERY "AMERICAN STANDARDS FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERYMEN, INC.
7. ALL PLANT MATERIAL SHALL BE CONTAINER GROWN UNLESS OTHERWISE SPECIFIED.
8. ALL PLANTING PITS SHALL BE DOUBLE THE SIZE OF THE ROOT BALL OR CONTAINER.
9. PROVIDE A TREE PIT FOR DRAINAGE. AUGER A 8" DIAMETER HOLE 36" DOWN AT THE BOTTOM OF THE TREE PIT AND FILL WITH CRUSHED STONE. TEST AGAIN FOR PROPER PERCOLATION. REF. DETAILS ON SHEET L101
10. FRONT ROW OR SHRUBS SHALL BE PLANTED A MINIMUM OF 24" BEHIND BED LINE AT LAWNS OR WALKS AND MINIMUM 36" BACK OF CURB AT PARKING AREAS.
11. BACK ROW OF SHRUB PLANTING SHALL BE PLANTED 36" OFF FACE OF BUILDING WALL. GROUND COVERS SHALL BE 12" OUT FROM BUILDING AS REQUIRED BY PLANT SPECIFICATIONS.
12. EXCAVATE EDGE OF ALL PLANTING BEDS TO 4" DEPTH TO FORM A NEAT CRISP DEFINITION.
13. PLANTING BEDS SHALL BE 6-8" ABOVE SOD GRADE.
14. ALL PLANTING BEDS AND TREE PITS SHALL BE MULCHED WITH A 3" SETTLED LAYER OF APPROVED MULCH ON LEVEL AREAS AND APPROVED MULCH ON SLOPES.
15. GRADE ALL AREAS FOR APPROVAL BY LANDSCAPE ARCHITECT BEFORE SODDING.
16. SEASONAL COLOR SHALL BE PLANTED IN FLOWERING STATE.
17. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, INCLUDING GRASS FOR ONE FULL YEAR FROM DATE OF WRITTEN SUBSTANTIAL COMPLETION. (REFERENCE SPECIFICATIONS)
18. ALL TREES SHALL BE STAKED AND TIED IN THE FIELD BY AN APPROVED METHOD. REMOVE ALL GUY WIRES AND STAKES AT THE END OF THE GUARANTEE PERIOD.
19. TOPSOIL: TOPSOIL SHALL BE FERTILE, FRIABLE, SANDY LOAM AND A NATURAL SURFACE SOIL OBTAINED FROM WELL AREAS REVIEWED BY THE LANDSCAPE ARCHITECT AND POSSESSING CHARACTERISTICS OF REPRESENTATIVE SOILS IN THE PROJECT VICINITY THAT PRODUCE HEAVY GROWTHS OF CROPS, GRASS OR OTHER VEGETATION.
 - TOPSOIL SHALL BE FREE OF SUBSOIL, BRUSH, ORGANIC LITTER OR OBJECTIONABLE WEEDS, CLAY, CLOTS, STUMPS, STONES, ROOTS OR OTHER MATERIAL HARMFUL TO PLANT MATERIALS. SHOULD REGENERATIVE MATERIALS BE PRESENT IN THE SOIL, CONTRACTOR SHALL ERADICATE AND REMOVE SUCH GROWTH. BOTH SURFACE AND ROOT, WHICH MAY APPEAR IN THE IMPORTED MATERIAL WITHIN ONE YEAR FOLLOWING ACCEPTANCE OF THE WORK.
 - TOPSOIL SHALL NOT BE HANDLED IN A FROZEN MUDDY CONDITION. THE ACIDITY RANGE SHALL BE BETWEEN 5 AND 7, INCLUSIVE.
20. STOCKPILE MATERIAL THAT DOES NOT MEET THE REQUIREMENTS MAY, AT THE OPTION OF THE CONTRACTOR, BE IMPROVED BY SCREENING AND THE ADDITION OF ORGANIC MATTER AND CHEMICAL ADMIXTURES.
21. APPROVED PRE-EMERGENT WEED CONTROL SHALL BE SPREAD PER MANUFACTURER'S RATES AFTER ALL PLANTINGS HAVE BEEN INSTALLED, IN ALL PLANTED AREAS PRIOR TO MULCHING WITH PINE STRAW.
22. MAINTAIN ALL LANDSCAPE WORK FOR 30 DAYS AFTER SUBSTANTIAL COMPLETION FOR THE ENTIRE PROJECT HAS BEEN PROVIDED IN WRITING TO THE OWNER FROM THE PROJECT ARCHITECT.
23. THE LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS AND METHODS OF APPROPRIATENESS OF THE INSTALLATION PROCEDURES UNDERTAKEN BY ANY CONTRACTOR AND IS NOT RESPONSIBLE FOR JOB SAFETY.