

HARDSCAPE AND LANDSCAPE DEVELOPMENT PLANS FOR

THE REED HOUSE EVENTS GARDEN

SMYRNA, GEORGIA

PREPARED FOR:
CITY OF SMYRNA

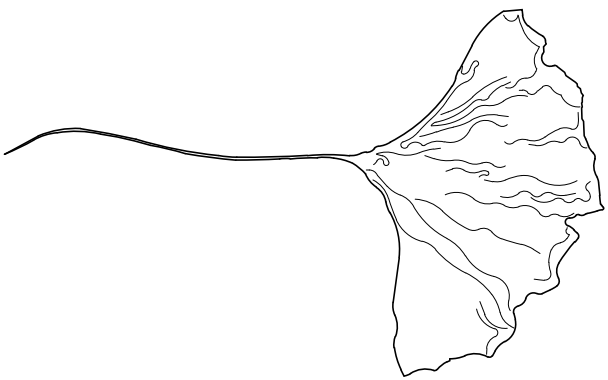
July 11, 2022

SITE LOCATION MAP



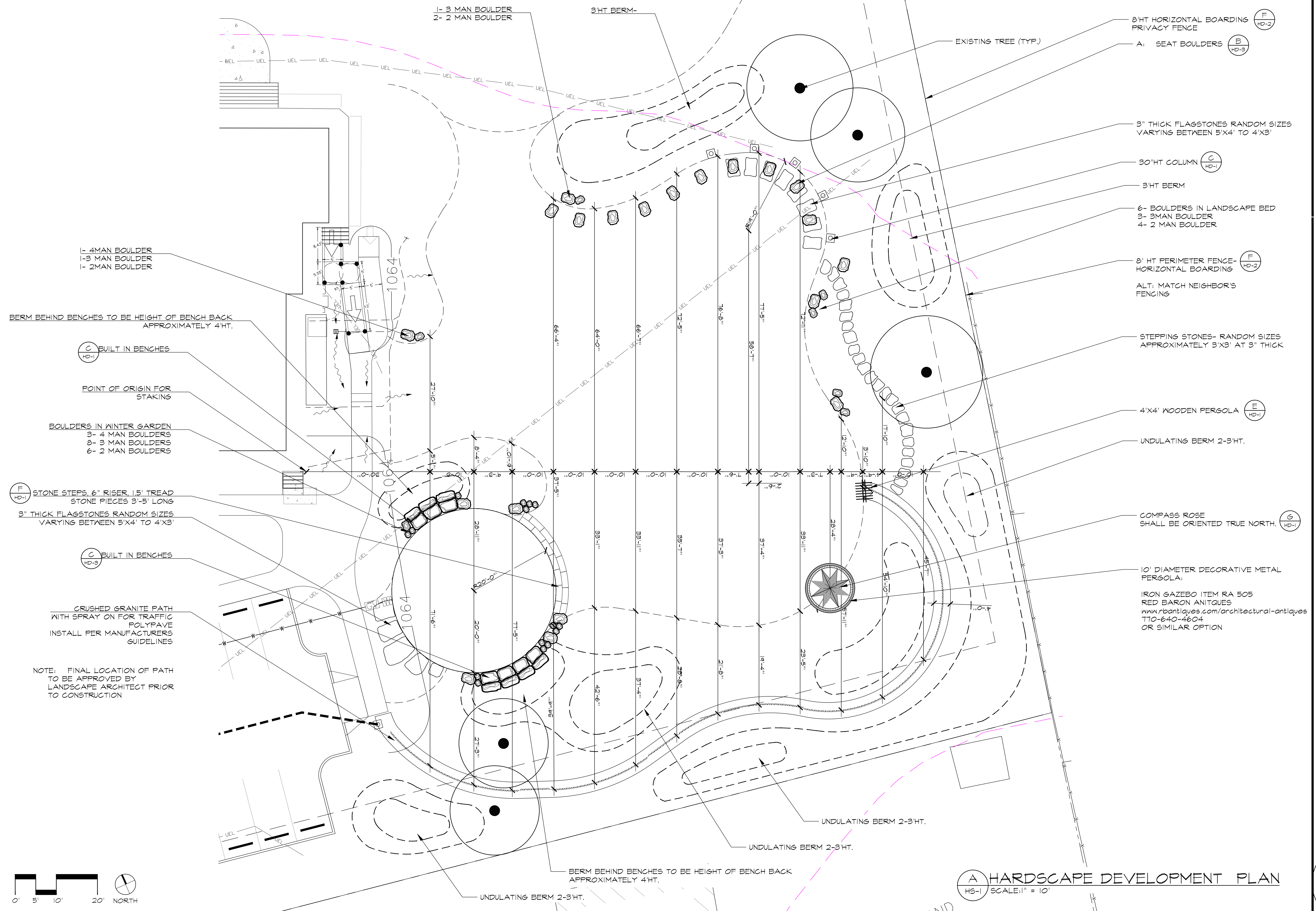
DRAWING INDEX

| | | ISSUE DATE 7-11-2022 | ISSUE DATE 8-10-2022 | | |
|------|--|-------------------------|-------------------------|--|--|
| HS-0 | COVERSHEET | | | | |
| HS-1 | HARDSCAPE DEVELOPMENT PLAN | | | | |
| HS-2 | CONCEPTUAL DRAINAGE PLAN | | | | |
| HS-3 | CONCEPTUAL LIGHTING PLAN | | | | |
| HD-1 | HARDSCAPE DEVELOPMENT DETAILS | | | | |
| HD-2 | HARDSCAPE DEVELOPMENT DETAILS | | | | |
| HD-3 | HARDSCAPE DEVELOPMENT DETAILS | | | | |
| LS-1 | LANDSCAPE DEVELOPMENT PLAN | | | | |
| LD-1 | LANDSCAPE DEVELOPMENT NOTES AND PLANT LIST | | | | |
| LD-2 | LANDSCAPE DEVELOPMENT DETAILS | | | | |
| LD-3 | LANDSCAPE DEVELOPMENT DETAILS | | | | |
| LD-4 | LANDSCAPE DEVELOPMENT DETAILS | | | | |
| LD-5 | LANDSCAPE DEVELOPMENT SPECIFICATIONS | | | | |



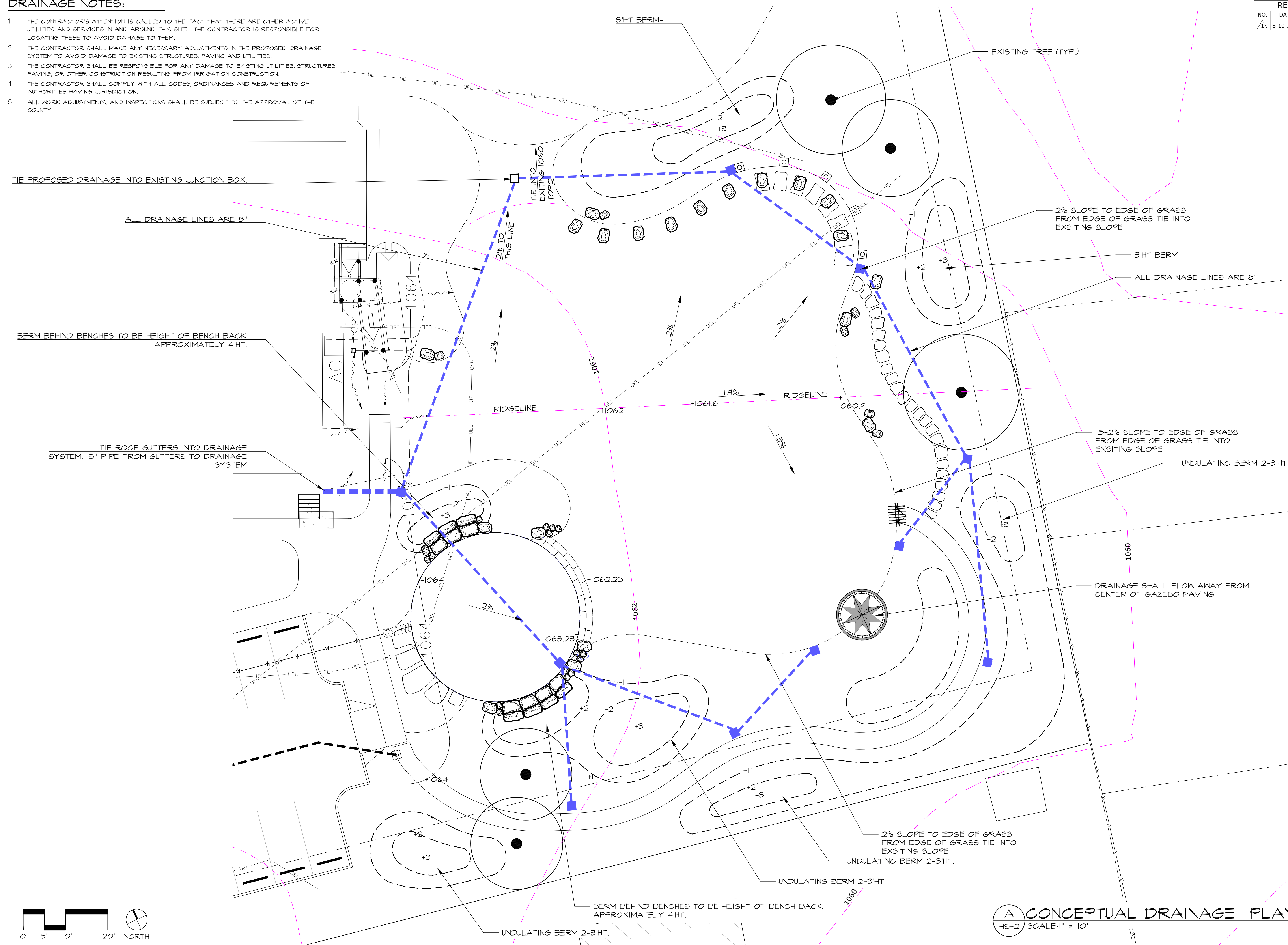
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Landscape Architecture



1. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THERE ARE OTHER ACTIVE UTILITIES AND SERVICES IN AND AROUND THIS SITE. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THESE TO AVOID DAMAGE TO THEM.
2. THE CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS IN THE PROPOSED DRAINAGE SYSTEM TO AVOID DAMAGE TO EXISTING STRUCTURES, PAVING AND UTILITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, PAVING, OR OTHER CONSTRUCTION RESULTING FROM IRRIGATION CONSTRUCTION.
4. THE CONTRACTOR SHALL COMPLY WITH ALL CODES, ORDINANCES AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
5. ALL WORK ADJUSTMENTS, AND INSPECTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY _____

| REVISIONS | | |
|-----------|-----------|----------|
| NO. | DATE | ISSUE |
| 1 | 8-10-2022 | GEN. REV |



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Landscape Architecture

GINKGO LEAF DESIGNS LLC.

LANDSCAPE DESIGN SERVICES
4442 Claude Scott Road, Canton, GA 30115
Tel: 770-842-2210
E-Mail: adele@qinkodesignsllc.com

Revisions:

Date: 07/11/22
Scale: 1" = 10'-0"

REED HOUSE- EVENTS GARDEN

GRADING AND DRAINAGE PLAN
3080 Atlanta Rd SE Smyrna, GA 30080

HS-2

LIGHTING LEGEND:

- OUTLET
- UPLIGHT
- PATH LIGHT



THE LIGHTING PLAN IS CONCEPTUAL ONLY. FINAL LAYOUT TO BE APPROVED BY OWNER



A CONCEPTUAL LIGHTING PLAN
LS-1 SCALE: 1" = 10'

REED HOUSE- EVENTS GARDEN

CONCEPTUAL LIGHTING PLAN
3080 Atlanta Rd SE, Smyrna, GA 30080

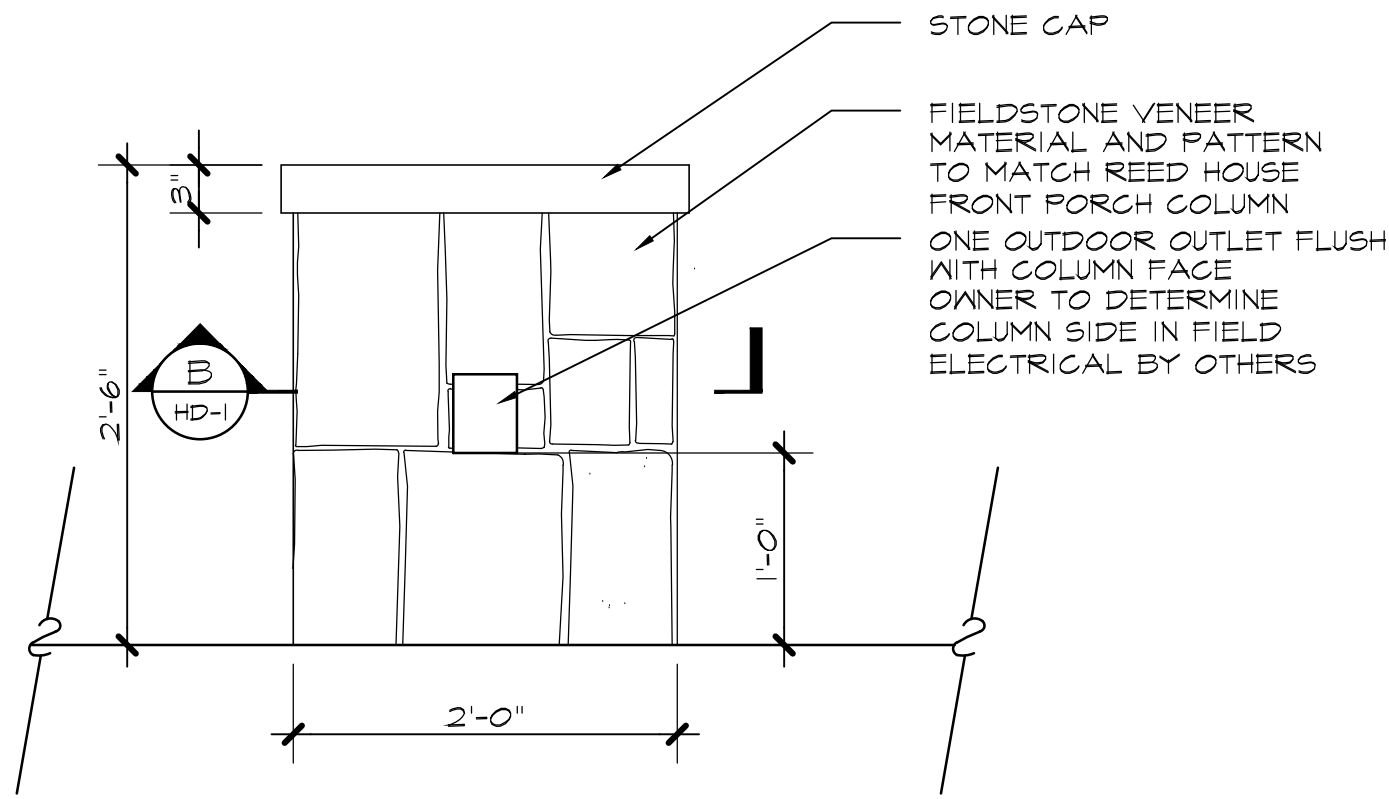
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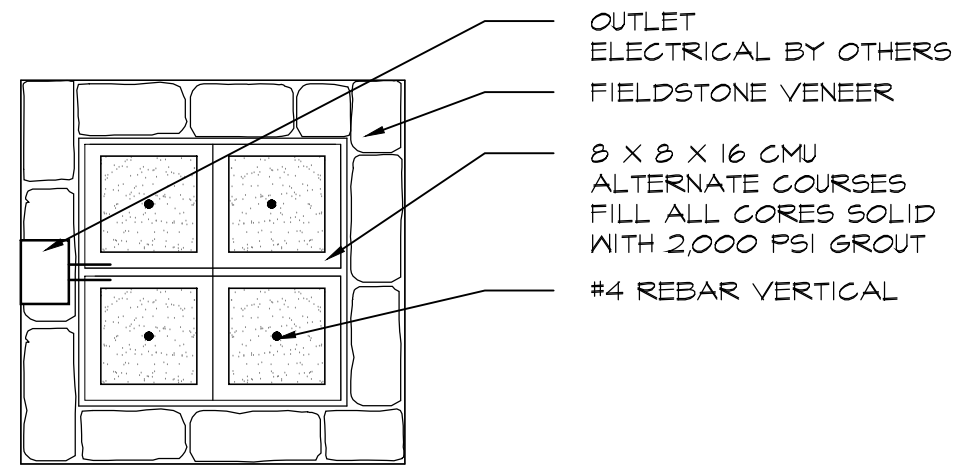
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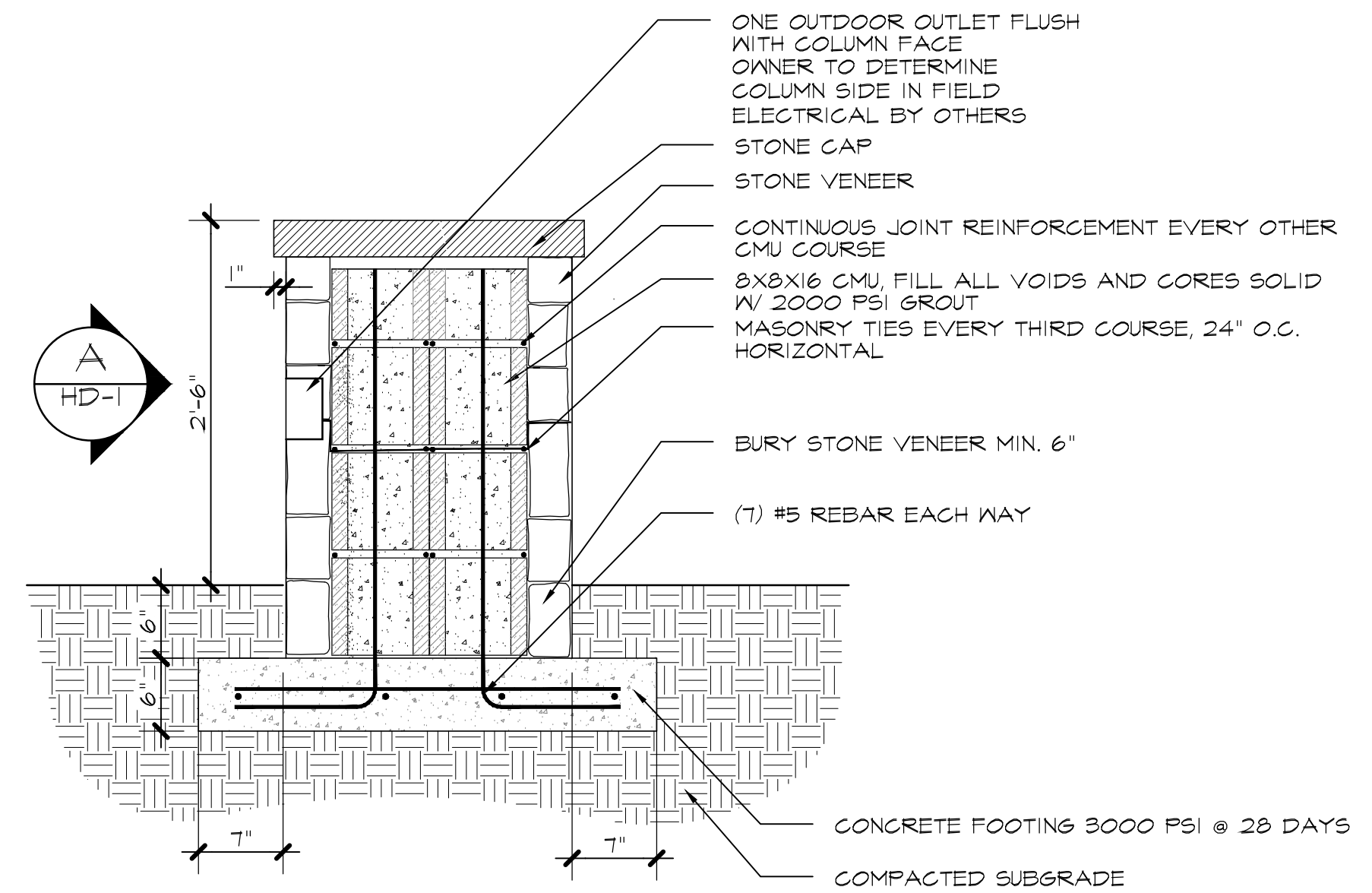
Landscape Architecture



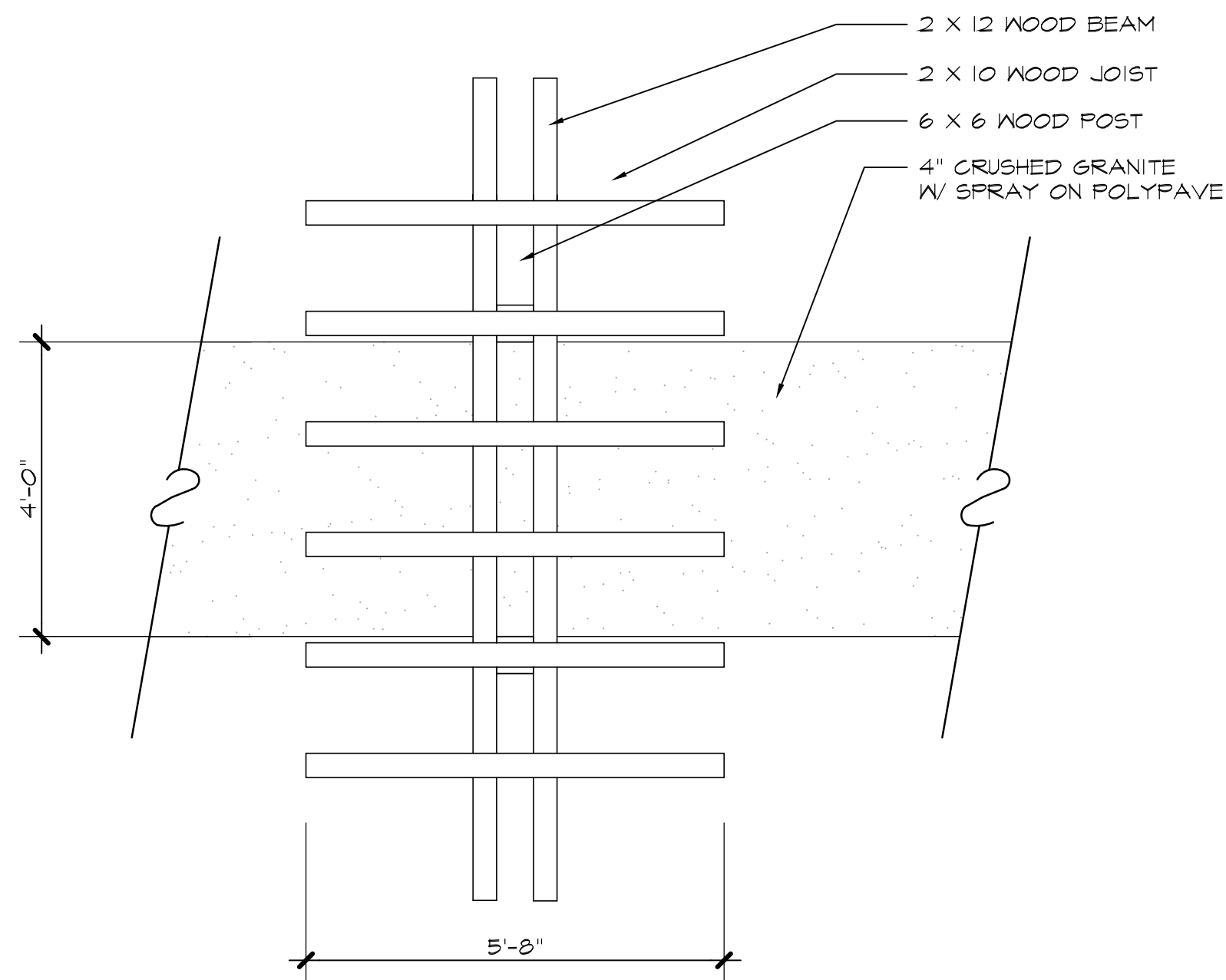
A COLUMN - ELEVATION
HD-1
SCALE: 1"=1'-0"



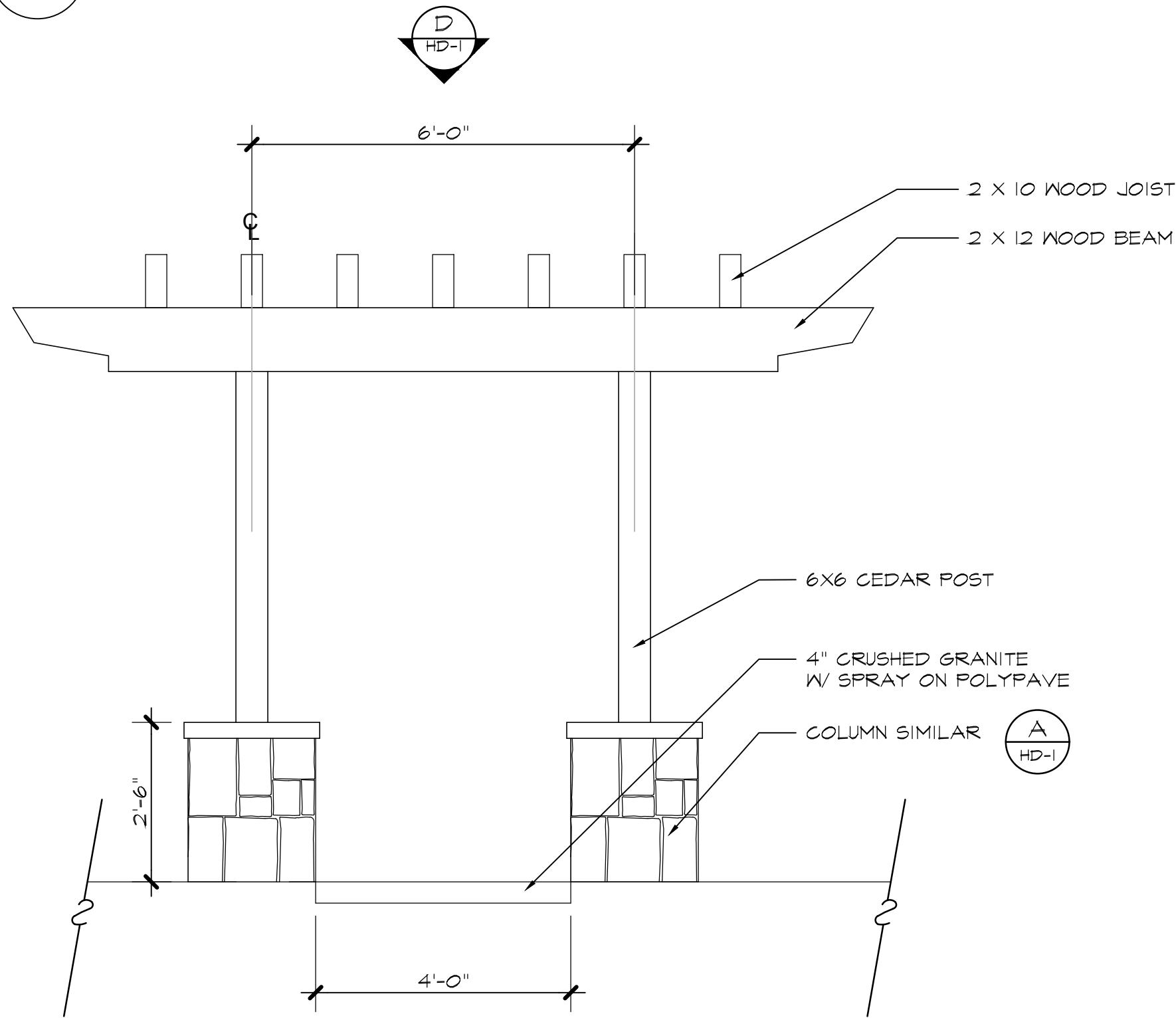
B COLUMN - PLAN/SECTION
HD-2
SCALE: 1"=1'-0"



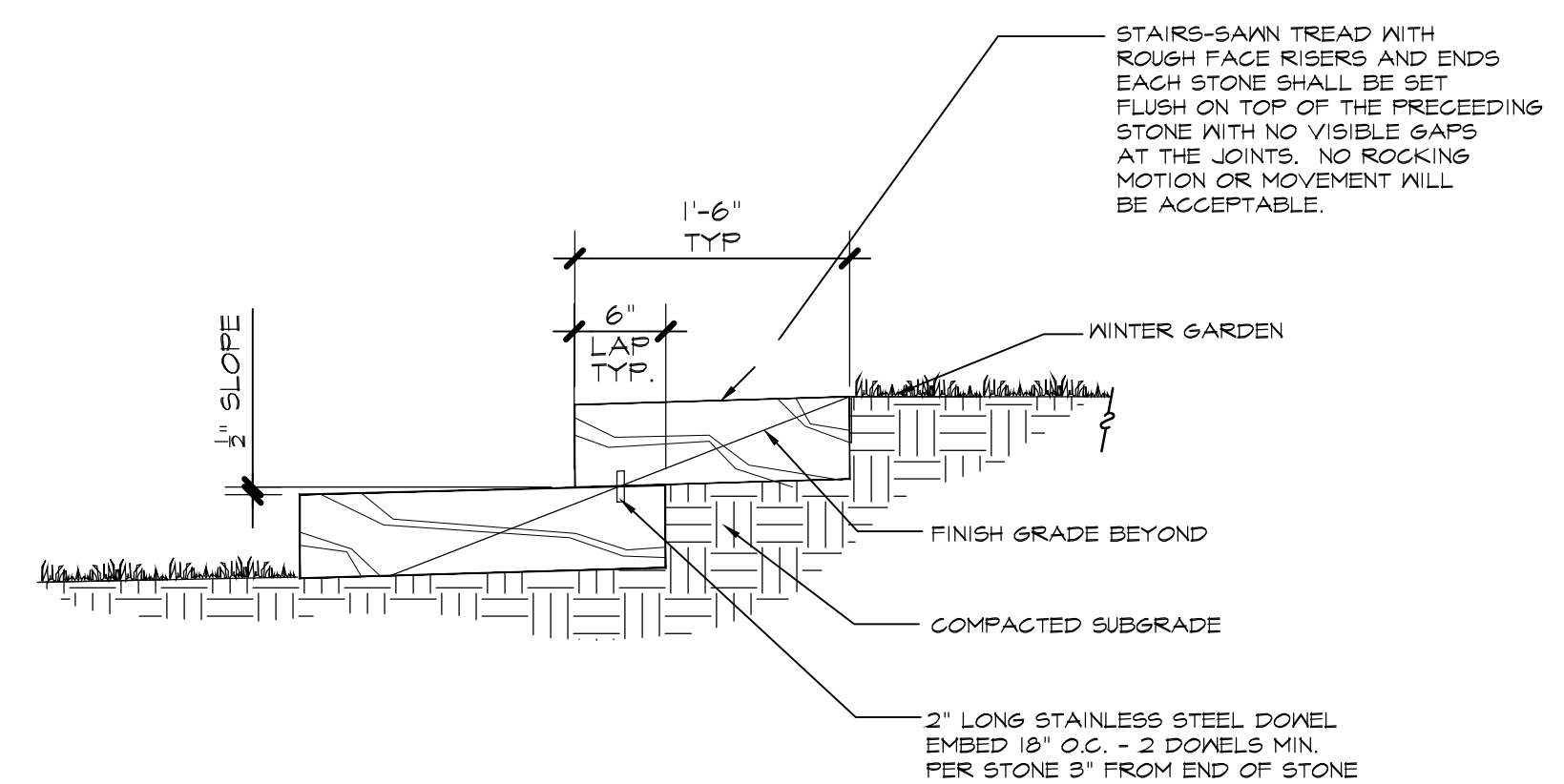
C COLUMN SECTION
HD-1
SCALE: 1"=1'-0"



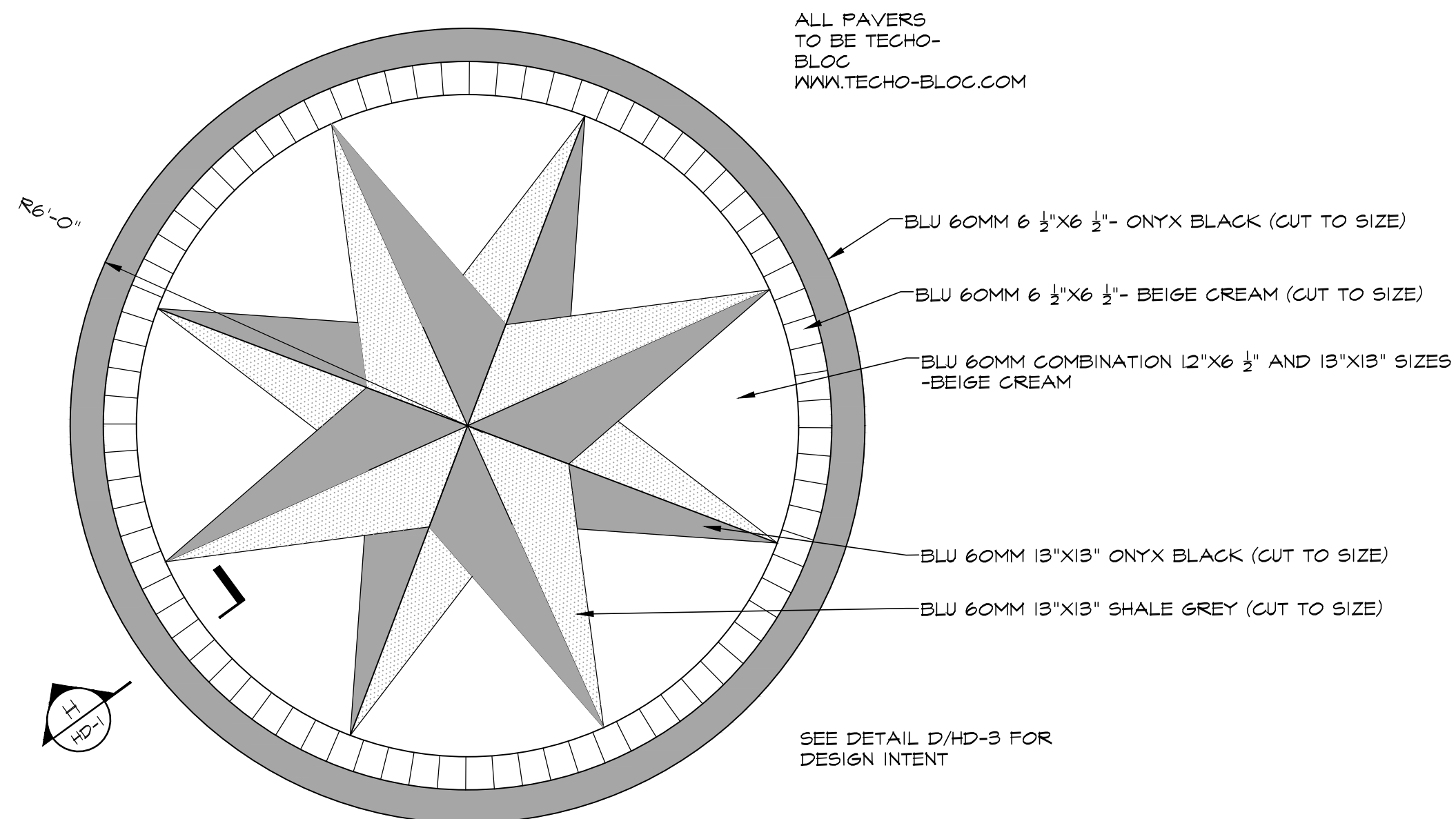
D TRELLIS - PLAN
HD-1
SCALE: 1/2" = 1'-0"



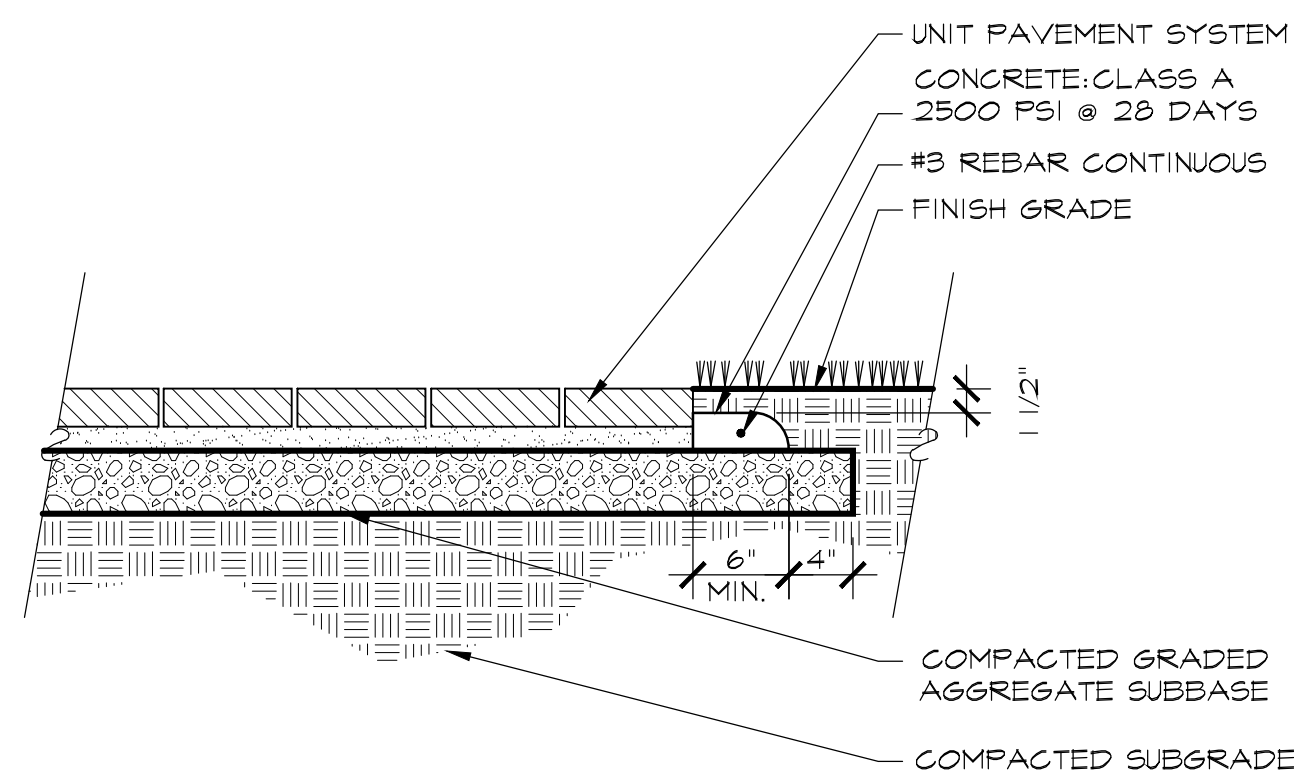
E TELLIS - ELEVATION
HD-1
SCALE: 1/2" = 1'-0"



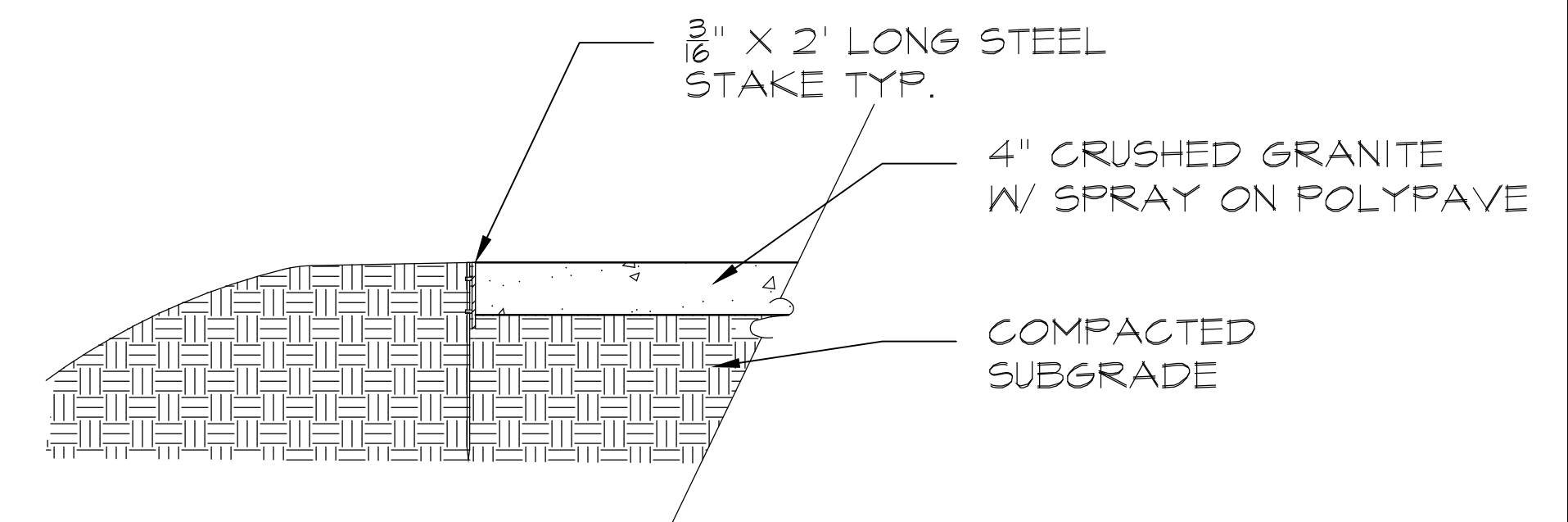
F STONE STAIR SECTION
HD-1
1"=1'-0"



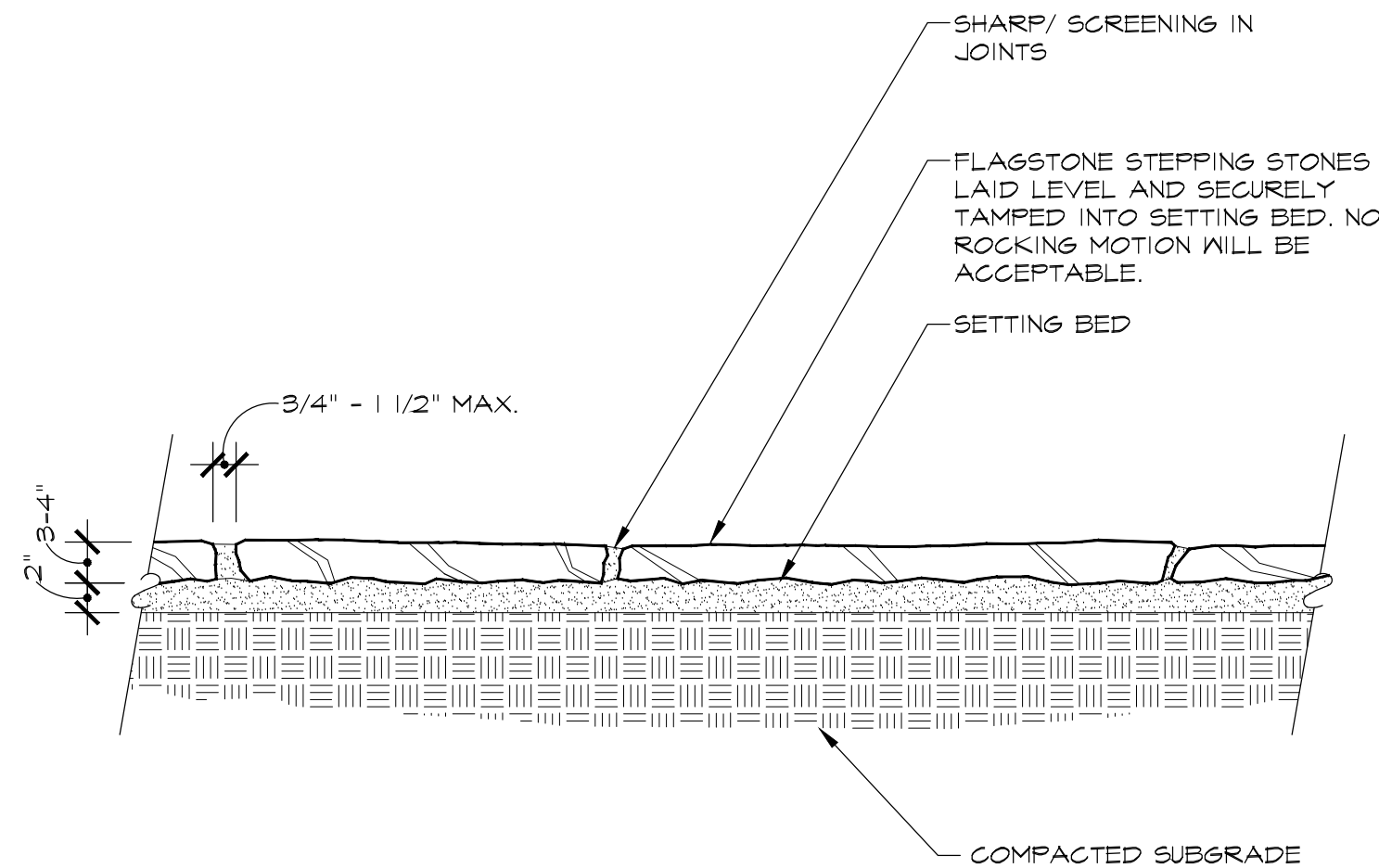
G GAZEBO PAVING
HD-1
SCALE: 1/2"=1'-0"



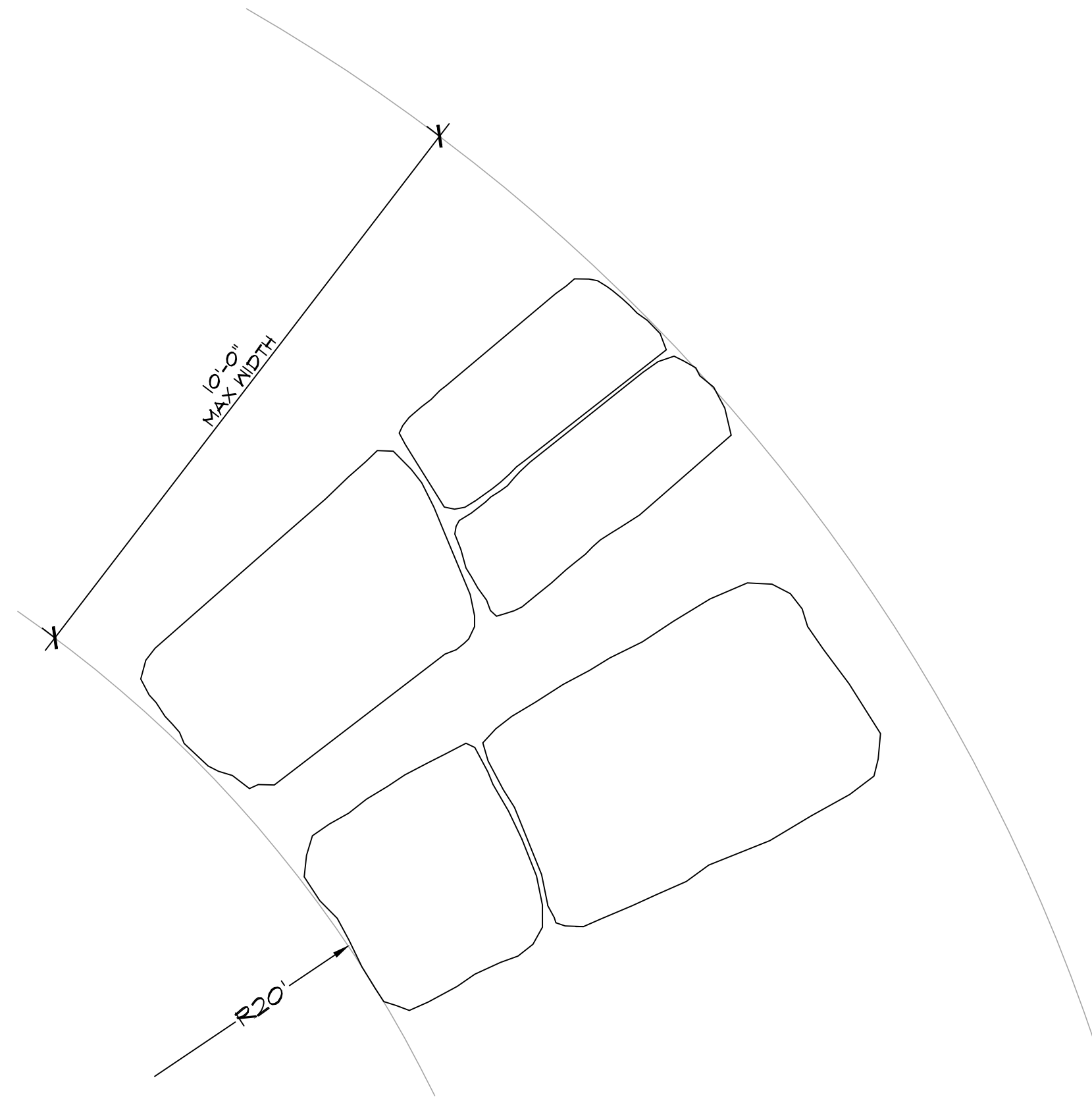
H EDGE RESTRAINT-UNIT PAVEMENT CONCRETE-SECTION
HD-1
SCALE: 1"=1'-0"



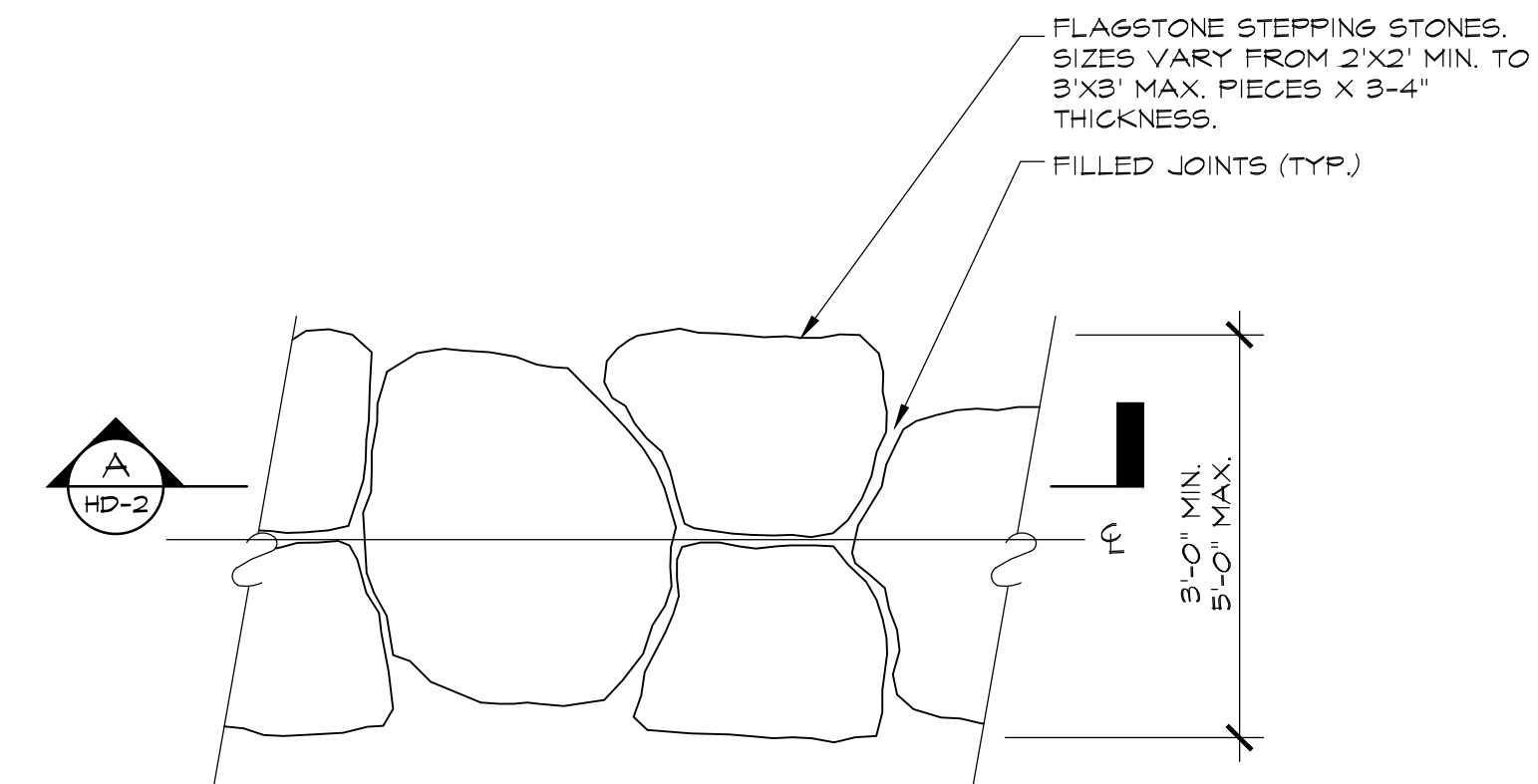
F TRAIL - SECTION
HD-1
SCALE: 1"=1'-0"



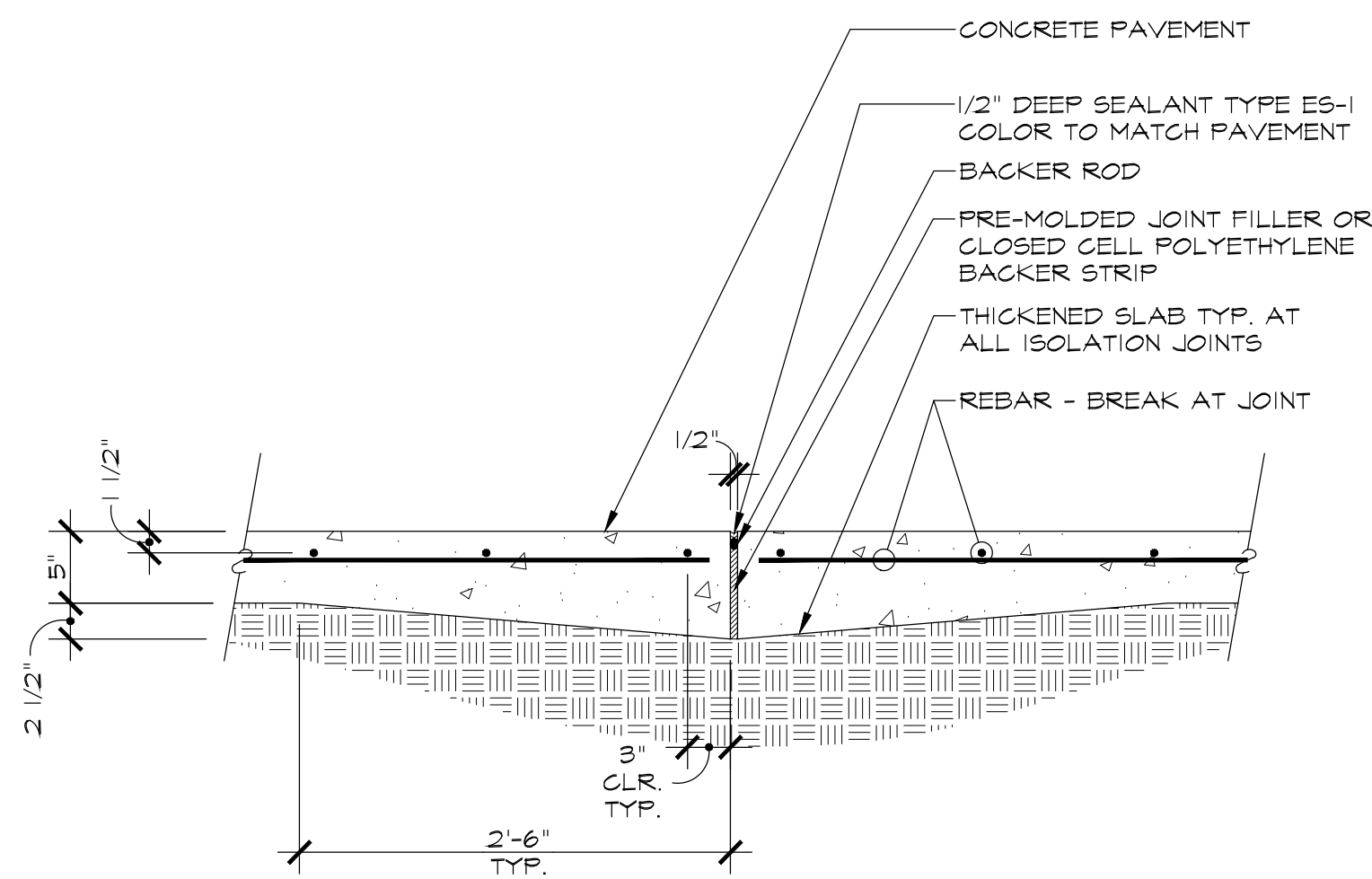
A STEPPING STONE PATHWAY
PAVEMENT LONGITUDINAL SECTION
HD-2 SCALE: 1"=1'-0"
FILE NAME: FPMASE-010



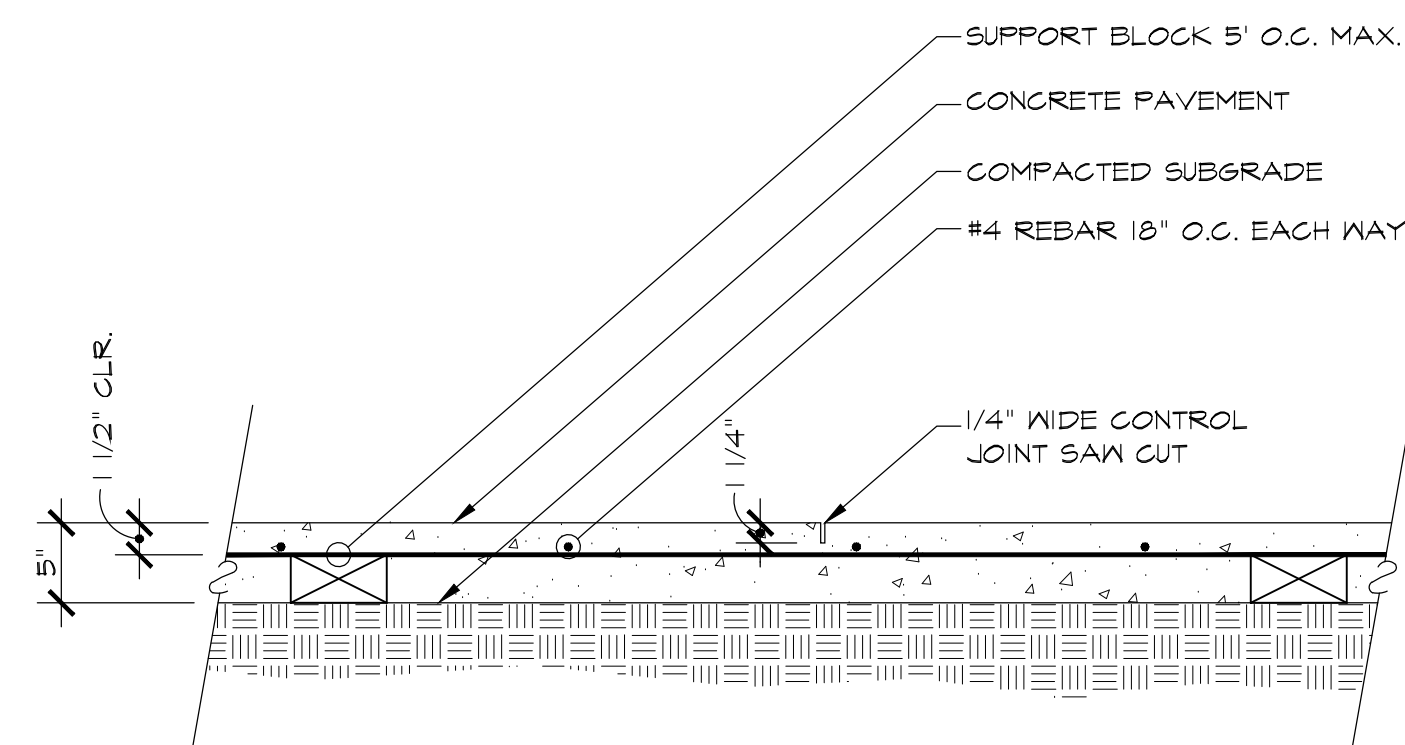
B STEPPING STONE
WINTER GARDEN - PARTIAL PLAN
HD-2 SCALE: 1"=1'-0"
FILE NAME: FPMAPL-004



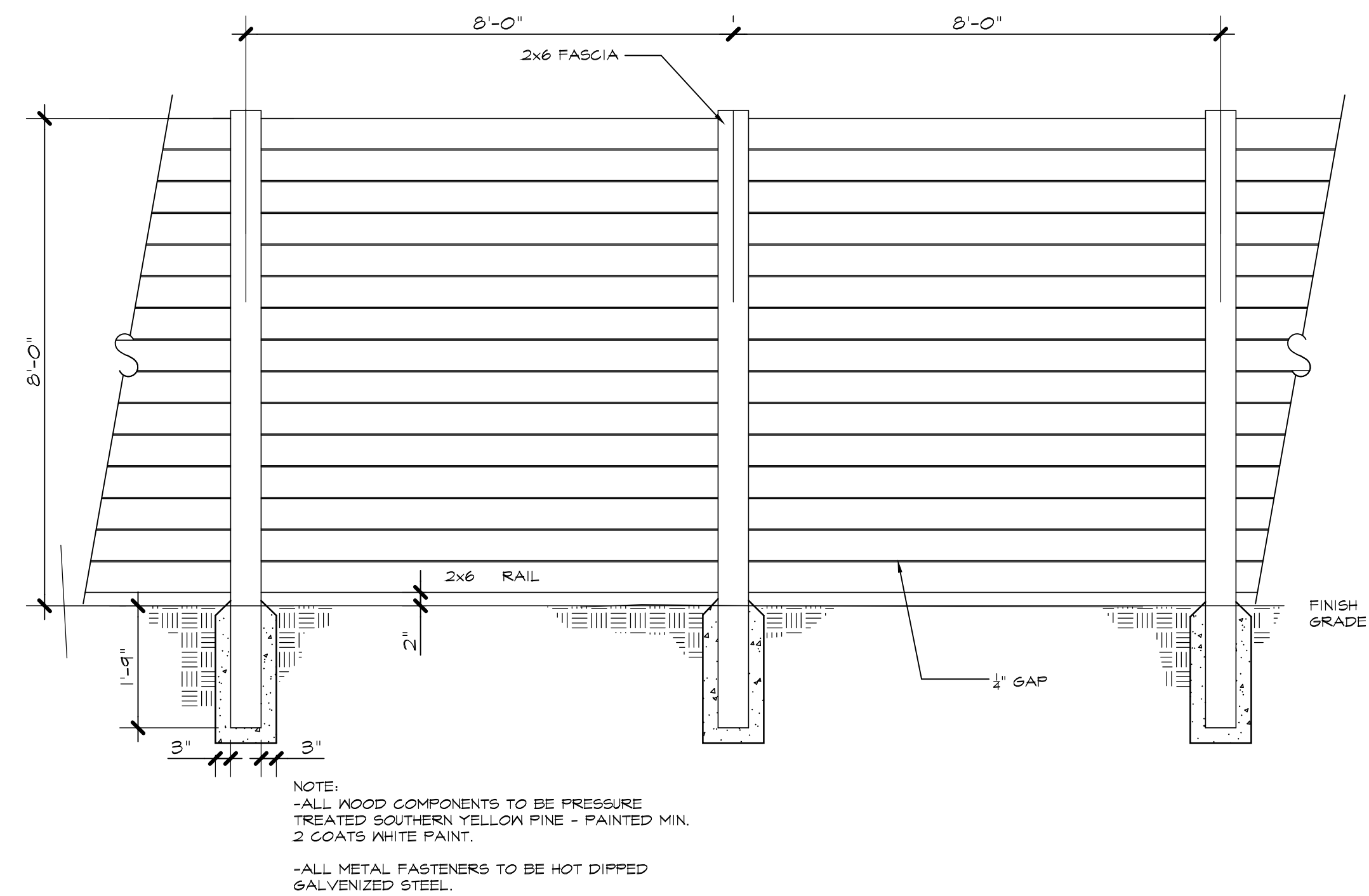
C PATH PAVEMENT - PARTIAL PLAN
HD-2 SCALE: 1"=1'-0"
FILE NAME: FPMAPL-004



D CONCRETE PAVEMENT ISOLATION JOINT
HD-2 SCALE: 1"=1'-0"
FILE NAME: PACPSE-102



E CONCRETE PAVEMENT
SECTION WITH TYPICAL CONTROL JOINT
HD-2 SCALE: 1"=1'-0"
FILE NAME: PACPSE-101



F FENCE ELEVATION
HD-2 1/2" = 1'
FD25

| REVISIONS | | |
|-----------|-----------|-----------|
| NO. | DATE | ISSUE |
| △ | 8-10-2022 | GEN. REV. |



IRON GAZEBO ITEM RA 505
RED BARON ANTIQUES
WWW.RBANTIQUES.COM/ARCHITECTURAL-ANTIQUES
TTO-640-4604
OR APPROVED ALTERNATE

A GAZEBO - OPTIONS
HD-3 NTS



BOULDER TO BE GRANITE. TOP OF BOULDER TO BE
REFINED BY LOCAL STONE MASON.

B SEAT BOULDER
HD-3 NTS

PREFERRED STYLE

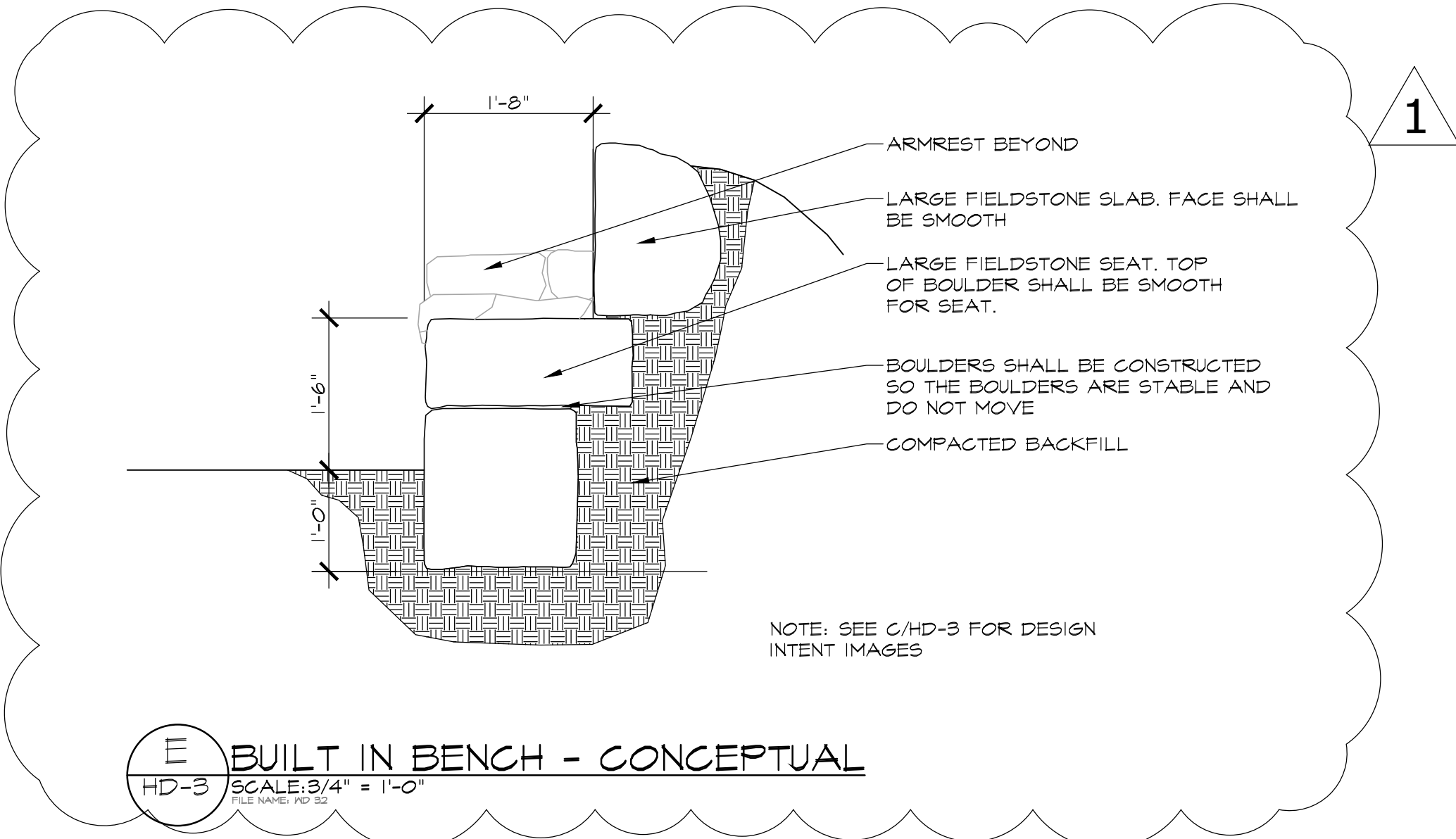


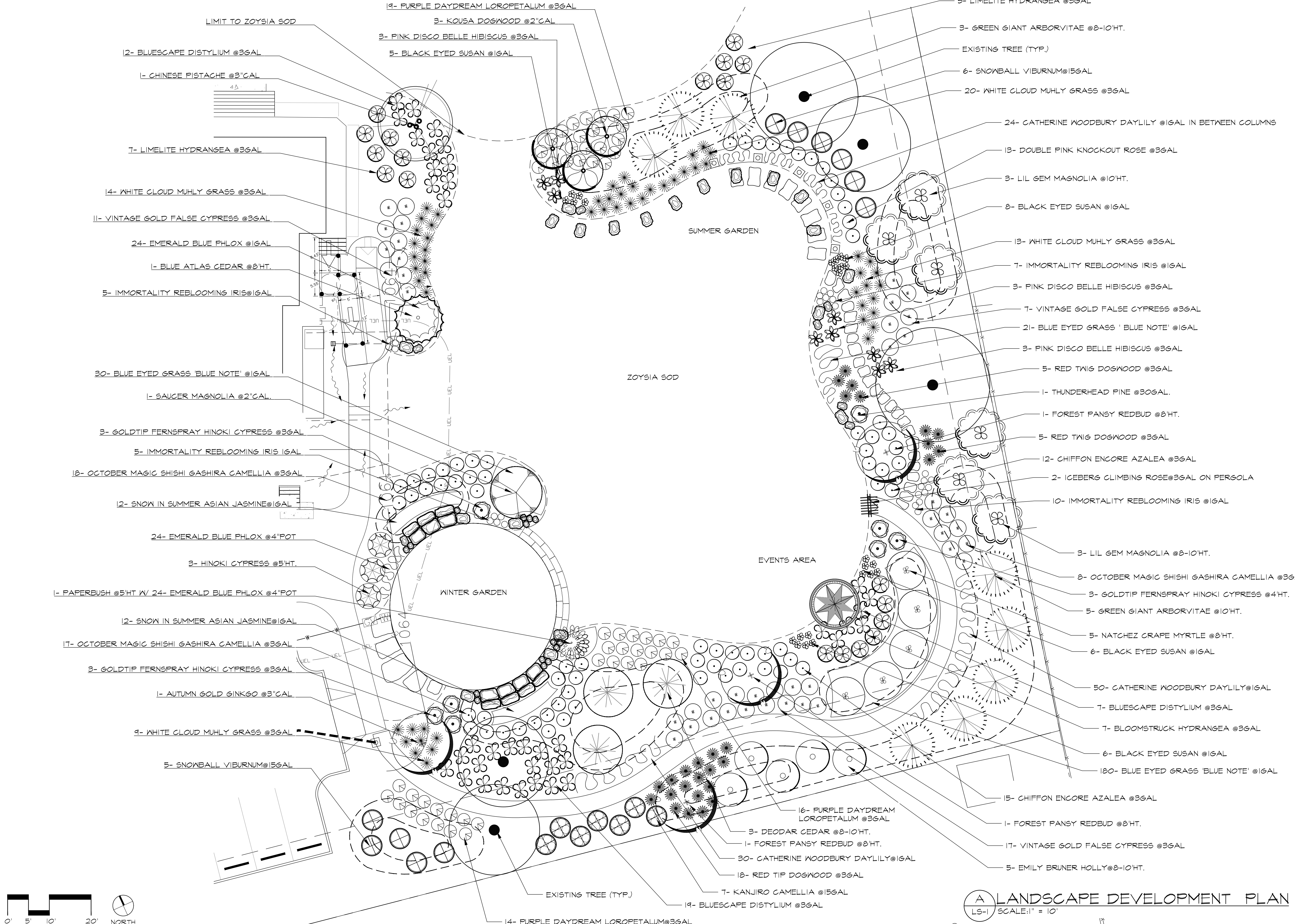
DESIGN INTENT

C BUILT IN BENCHES
HD-3 NTS



D COMPASS ROSE - DESIGN INTENT
HD-3 NTS





GENERAL PLANTING NOTES:

1. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL MATERIAL QUANTITIES SHOWN ON THESE DRAWINGS BEFORE PRICING THE WORK.

2. PROVIDE PLANT MATERIALS TRUE TO SPECIES AND VARIETY COMPLYING WITH RECOMMENDATIONS OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERY MEN.

3. THE LANDSCAPE CONTRACTOR SHALL COMPLETELY WARRANTY ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE WARRANTY PERIOD (AS DIRECTED BY THE OWNER).

4. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO DATE OF SUBSTANTIAL COMPLETION OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL THE PLANT LIST SPECIFICATIONS.

5. LOCATE AND VERIFY ALL UTILITY LOCATIONS AND EXISTING STRUCTURES IN AND AROUND THE SITE PRIOR TO WORK. MAINTAIN EXISTING UTILITIES AND STRUCTURES AND PROTECT AGAINST DAMAGE DURING THE WORK.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO EXISTING UTILITIES, STRUCTURES, PAVING AND/OR WORK OF OTHER TRADES RESULTING FROM LANDSCAPE CONSTRUCTION.

7. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF DISEASES, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS AND/OR DISFIGUREMENT.

8. WATER AND WATER TRANSPORTATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

9. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND THE OWNER BEFORE , DURING AND UNTIL DATE OF SUBSTANTIAL COMPLETION OF THE WORK.

10. ALL PLANTS MUST BE CONTAINER-GROWN (CONT.) OR BALLED AND BURLAPPED (B & B) AS INDICATED IN THE PLANT LIST

11. ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.

12. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.

13. THE LANDSCAPE ARCHITECT WILL APPROVE THE STAKED LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.

14. ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.

15. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DRAWINGS.

16. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, MOOWING, ETC.) OF PLANTING AREAS AND LAWNS UNTIL DATE OF SUBSTANTIAL COMPLETION.

17. FOR TREE PLANTING REFER TO DETAILS

A

LD-2

B

LD-2

C

LD-2

D

LD-2

18. FOR EVERGREEN TREE PLANTING REFER TO DETAILS

E

LD-2

19. FOR MULTI-TRUNK TREE PLANTING REFER TO DETAILS

G

LD-2

20. FOR FLOWERING TREE PLANTING REFER TO DETAILS

F

LD-2

21. FOR HEDGE PLANTING REFER TO DETAILS

H

LD-2

I

LD-2

22. FOR INDIVIDUAL SHRUB PLANTING REFER TO DETAILS

A

LD-3

23. FOR SHRUB BED PLANTING REFER TO DETAILS

B

LD-3

C

LD-3

24. FOR GROUND COVER BED PLANTING REFER TO DETAILS

D

LD-3

E

LD-3

25. FOR ANNUAL COLOR OR PERENNIAL BED PLANTING REFER TO DETAILS

F

LD-3

G

LD-3

H

LD-3
- ANNUAL COLOR AND PERENNIAL PLANTING NOTES:
1. EXCAVATE BED TO A DEPTH OF 4 INCHES. REMOVE EXISTING SOIL FROM SITE. BREAK THROUGH "HARDPAN" AND REMOVE ALL STONE, ROOTS, DEBRIS, ETC... ROTOTILL EXCAVATED BED AN ADDITIONAL 6-8 INCHES IN DEPTH.

2. SLOPE THE BASE OF THE BED TO THE TRENCH EDGE.

3. PREPARE PLANTING SOIL MIX CONSISTING OF TOPSOIL AND THE FOLLOWING SOIL AMENDMENTS BY VOLUME. REFER TO SPECIFICATION SECTION 02400 FOR TOPSOIL REQUIREMENTS.

• 40% TOPSOIL (AS SPECIFIED)

• 25% HUMUS

• 15% CYPRESS MULCH (FINGERNAIL SIZED CHIPS - 1/4 INCH MAX.)

• 5% STERILIZED COMPOSTED COW MANURE

• 5% SAND (ANGULAR BUILDERS SAND) LIME AT A RATE OF 5 LBS. PER 50 SQ. FEET (ADJUST FOR ALKALINE SOILS)

4. ADD 6 INCHES OF PLANTING SOIL TO EXCAVATE BED & ROTOTILL INTO EXISTING SOIL.

5. PLACE ADDITIONAL PLANTING SOIL MIX TO RAISE ENTIRE BED 6 INCHES ABOVE FINISHED GRADE FOR SEASONAL COLOR AND 4 INCHES FOR PERENNIALS. IF SEASONAL BED FRONTS A SHRUB OR GROUND COVER BED, MATCH THAT BED'S HEIGHT & CONTINUE POSITIVE SLOPE TOWARD TRENCH EDGE.

6. ROTOTILL ENTIRE BED TO A DEPTH OF 12 INCHES%.

7. EVENLY SPREAD FERTILIZER APPROPRIATE TO A VARIETY OF SEASONAL COLOR AT A MAXIMUM RATE OF 2.5 LBS. PER 100 SQ. FEET AND RAKE INTO TOP 3 INCHES OF SOIL.

8. PLANT SEASONAL COLOR AS SPECIFIED AND AT INDICATED SPACING SHOWN ON PLANS.

9. EDGE SEASONAL COLOR BED AND MULCH AS SPECIFIED.

10. WATER THOROUGHLY.

FILE NAME: LAPLO44

PLANT LIST

| Total | Plant Name | Latin Name | Size Cal | Cont | Height | Width | Notes |
|-------|---------------------------------------|---|----------|-------|---------|--------|---|
| 1 | BLUE ATLAS CEDAR | CEDRUS ATLANTICA GLAUCA | 8' H | B&B | 8' H | 4-5' | Single Straight trunk; good colour and structure |
| 3 | DEODAR CEDAR | CEDRUS DEODARA | 8-10' H | B&B | 8-10' | 6-7' | Single straight trunk; dense branching begins above 5'; single central leader |
| 3 | FOREST PANSY REDBUD | CERCIS CANADENSIS 'FOREST PANSY' | 2" CAL | B&B | 8' | 4-5' | Specimen; dense branching; good structure; good color |
| 3 | HINOKI CYPRESS | CHAMAECYPARIS OBTUSA | 5' H | B&B | 5' | 2-3' | Full to ground; dense foliage; straight, good color |
| 9 | GOLDTIP FERNSPRAY HINOKI CYPRESS | CHAMAECYPARIS OBTUSA 'FERNSPRAY GOLD' | 4' H | B&B | 4' | 1-2' | Full in pot; good color; dense foliage mass |
| 3 | KOUSA DOGWOOD | CORNUS KOUSA | 2" CAL | B&B | 8' | 4-5' | Specimen; dense branching; good structure |
| 1 | PAPERBUSH | EDGEWORTHIS CHRYSANTHA | 5' H | B&B | 5' | 5' | Dense branching; well rooted in pot; good color |
| 1 | AUTUMN GOLD GINKGO | GINKGO BILOBA 'AUTUMN GOLD' | 3" CAL | B&B | 14-16' | 8-9' | Single straight trunk; dense branching begins above 5'; single central leader |
| 3 | EMILY BRUNER HOLLY | ILEX X 'EMILY BRUNER' | 10' H | B&B | 10' | 5-6' | Full to ground; dense foliage; straight, tightly pruned pyramidal form |
| 3 | NATCHEZ CRAPE MYRTLE | LAGERSTROEMIA INDICA | 8' H | B&B | 8' | 4-5' | Multi-stemmed, 3-5 stems; dense branching habit |
| 6 | LITTLE GEM MAGNOLIA | MAGNOLIA GRANDIFLORA 'LITTLE GEM' | 10' H | B&B | 10' H | 44687 | Full to ground; dense foliage; straight, tightly pruned pyramidal form |
| 1 | SAUCER MAGNOLIA | MAGNOLIA X SOULANGIANA | 2" CAL | B&B | 10' | 4' | Multi-stemmed, dense branching habit at top |
| 1 | THUNDERHEAD PINE | PINUS THUNBERGII | 30 GAL | B&B | | | Compact form; irregular growth habit |
| 1 | CHINESE PISTACHE | PISTACIA CHINENSIS | 3" CAL | B&B | 14-16' | 5-6' | Single straight trunk; dense branching begins above 5'; single central leader |
| 6 | GREEN GIANT ARBORVITAE | THUJA 'GREEN GIANT' | 8-10' | B&B | 8-10' H | 4-5' | Full to ground; dense foliage; straight, tightly pruned pyramidal form |
| 7 | KANJIRO CAMILLIA | CAMELLIA SASANQUA 'KANJIRO' | 15 GAL | CONT. | 5' | 3' | Dense branching; well rooted in pot; good color |
| 43 | OCTOBER MAGIC SHISHI GASHIRA CAMILLIA | CAMILLIA SASANQUA 'OCTOBER MAGIC WHITE SHI-SHI' | 3 GAL | CONT. | 12-15" | 12-15" | Dense branching; well rooted in pot; good color |
| 35 | VINTAGE GOLD FALSE CYPRESS | CHAMAECYPARIS PISIFERA 'VINTAGE GOLD' | 3 GAL | CONT. | 12-15" | 12-15" | Dense branching; well rooted in pot; good color |
| 26 | RED TWIG DOGWOOD | CORNUS SERICEA | 3 GAL | CONT. | 12-15" | 12-15" | Dense branching; well rooted in pot; good color |
| 38 | BLUESCAPE DISTYLIIUM | DISTYLIIUM MYRICOIDES 'RLH-DM1ER' | 3 GAL | CONT. | 12-15" | 12-15" | Dense branching; well rooted in pot; good color |
| 7 | BLOOMSTRUCK HYDRANGEA | HYDRANGEA MACROPHYLLA 'P11HM-11' | 3 GAL | CONT. | 12-15" | 12-15" | Dense branching; well rooted in pot; good color |
| 12 | LIMELIGHT HYDRANGEA | HYDRANGEA PANICULATA 'LIMELIGHT' | 3 GAL | CONT. | 15-18" | 15-18" | Dense branching; well rooted in pot; good color |
| 49 | PURPLE DAYDREAM LOROPETALUM | LOROPETAUM CHINESE 'PIILC-III' | 3 GAL | CONT. | 12-15" | 12-15" | Dense branching; well rooted in pot; good color |
| 25 | CHIFFON ENCORE AZALEA | RHODODENDRON 'ROBLED' PP15862 | 3 GAL | CONT. | 12-15" | 12-15" | Dense branching; well rooted in pot; good color |
| 13 | DOUBLE PINK KNOCKOUT ROSE | ROSA 'RADRAZZ' KNOCKOUT | 3 GAL | CONT. | 12-15" | 12-15" | Dense branching; well rooted in pot; good color |
| 11 | SNOWBALL VIBURNUM | VIBURNUM OPULUS 'ROSEUM' | 15 GAL | CONT. | 5' | 3' | Dense branching; well rooted in pot; good color |
| 84 | CATHERINE WOODBURY DAYLILY | HEMEROCALLIS X 'CAHERINE WOODBURY' | 1 GAL | CONT. | 12-15" | 12-15" | Well rooted in pot; dense compact growth |
| 9 | PINK DISCO BELLE HIBISCUS | HIBISCUS MOSCHEUTOS 'DISCO BELLE' | 3 GAL | CONT. | 12-15" | 12-15" | Dense branching; well rooted in pot; good color |
| 27 | IMMORTALITY REBLOOMING IRIS | IRIS GERMANICA IMMORTALITY | 1 GAL | CONT. | 12-15" | 12-15" | Full in pot; well rooted; dense clump |
| 72 | EMERALD BLUE PHLOX | PHLOX SUBLATA 'EMERALD BLUE' | 4" POT | POT | 12-15" | 12-15" | Full in pot; good color; dense foliage mass |
| 2 | ICEBERG CLIMBING ROSE | ROSA 'KORBIN' | 3 GAL | CONT. | 12-15" | 12-15" | Full in pot; dense foliage mass; well rooted; supported on trellis |
| 25 | BLACK EYED SUSAN | RUDBECKIA HIRTA | 1 GAL | CONT. | 12-15" | 12-15" | Full in pot; well rooted; dense clump |
| 24 | SNOW N' SUMMER ASIAN JASMINE | TRACHELOSPERMUM ASIATICUM 'SNOW N' SUMMER' | 1 GAL | CONT. | | | Full in pot; well rooted; dense clump |
| 56 | WHITE CLOUD MUHLY GRASS | MUHLENBERGIA CAPILLARIS 'WHITE CLOUD' | 3 GAL | CONT. | | | Full in pot; well rooted; dense clump |
| 231 | BLUE EYED GRASS 'BLUE NOTE' | SISYRINCHIUM SP 'BLUE NOTE' | 1 GAL | CONT. | | | Full in pot; well rooted; dense clump |
| 6225 | ZEON ZOYSIA | SOD | | SF | | | Certified pure; free of weeds; good color |

NOTE: CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES

PLANTING SOIL MIX NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL FURNISH TOPSOIL; TOPSOIL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT. REFER TO SPECIFICATION SECTION 02400 FOR TOPSOIL REQUIREMENTS.

2. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANTING SOIL MIX.

3. THE PLANTING SOIL MIX MUST APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY BACKFILLING.

4. THE TYPICAL PLANTING SOIL MIX FOR ON-GRADE PLANTINGS (TREES, SHRUBS & GROUND COVERS) SHALL CONSIST OF THE FOLLOWING UNLESS OTHERWISE INDICATED ON THE DRAWINGS:

60% TOPSOIL (AS SPECIFIED)

40% PREPARED ADDITIVES (BY VOLUME AS FOLLOWS):

2 PARTS HUMUS AND/OR PEAT

1 PART STERILIZED COMPOSTED COW MANURE

1 PART SHREDDDED PINE BARK(BARK PIECES BETWEEN 1/2 INCH AND 2 INCHES IN LENGTH)

COMMERCIAL FERTILIZER AS RECOMMENDED IN SOIL REPORT.

LIME AS RECOMMENDED IN SOIL REPORT.

FILE NAME: LAPLO44

Centricity, LLC.
Landscape Architecture

GINKGO LEAF DESIGNS LLC.

LANDSCAPE DESIGN SERVICES

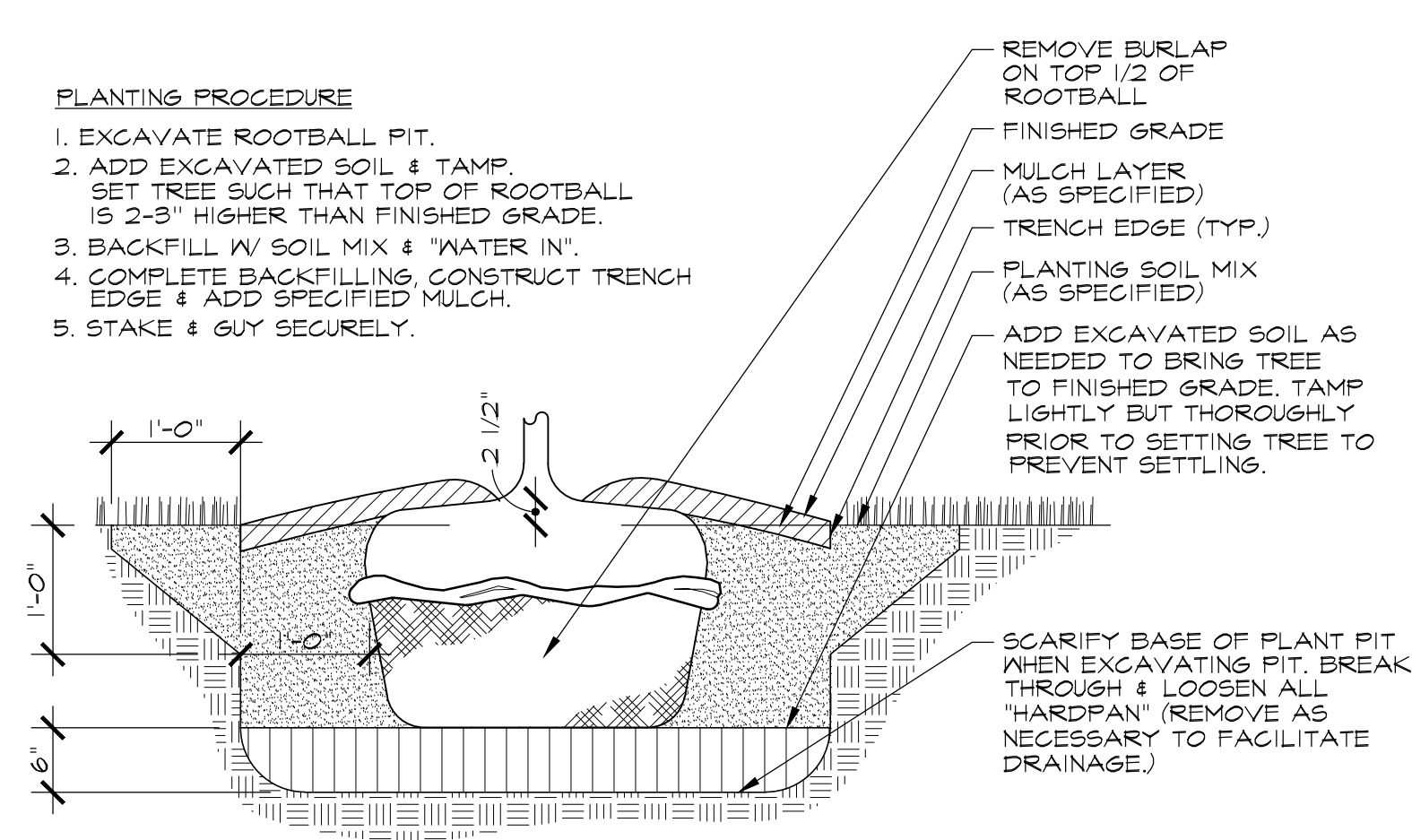
4442 Claude Scott Road, Canton, GA 30115
Tele: 770-842-2210
E-Mail: adele@ginkgodesignsllc.com

Date: 07/11/22
Scale: As Shown

REED HOUSE- EVENTS GARDEN

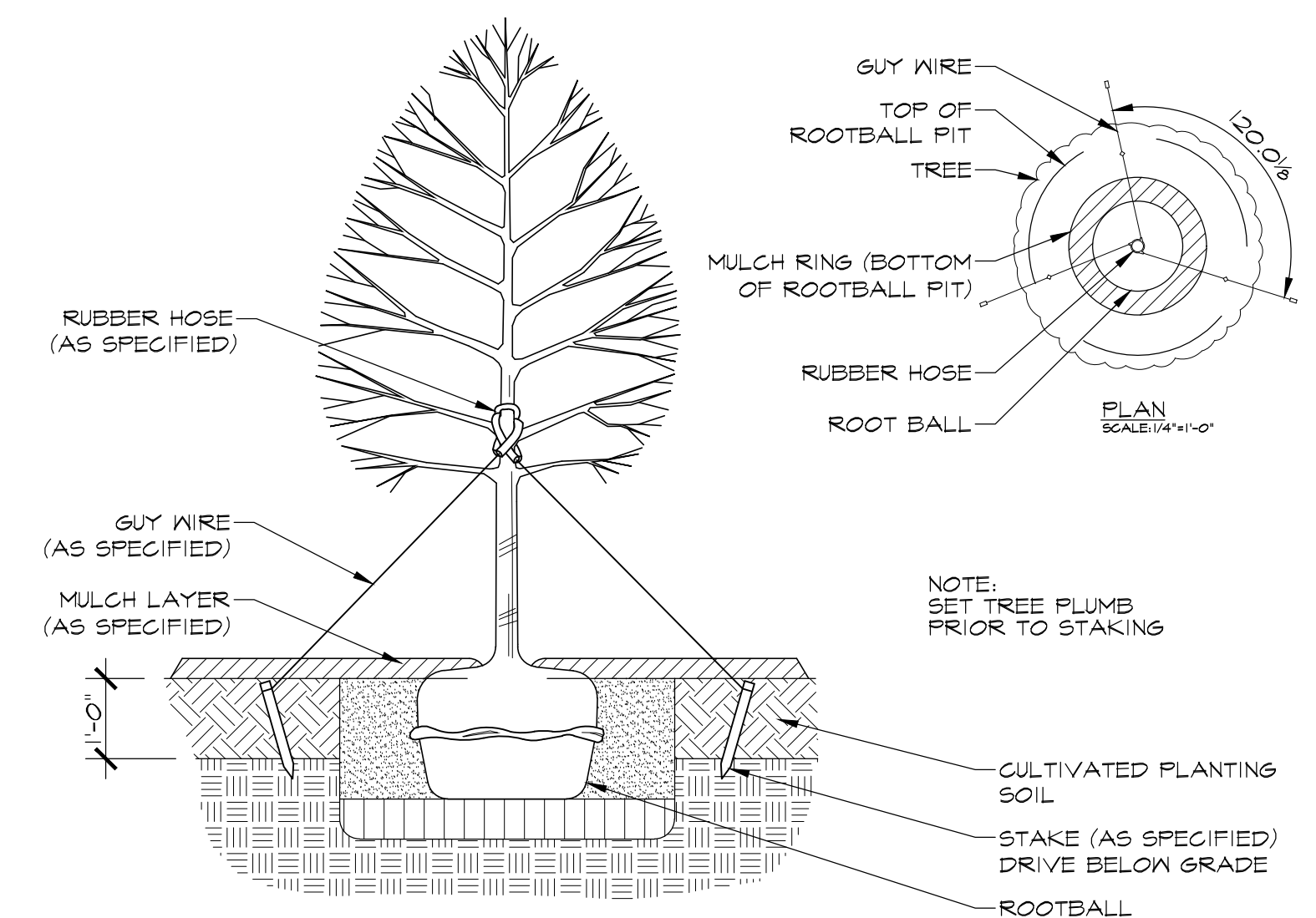
LANDSCAPE DEVELOPMENT DETAILS
3080 Atlanta Rd SE, Smyrna, GA 30080

LD-1

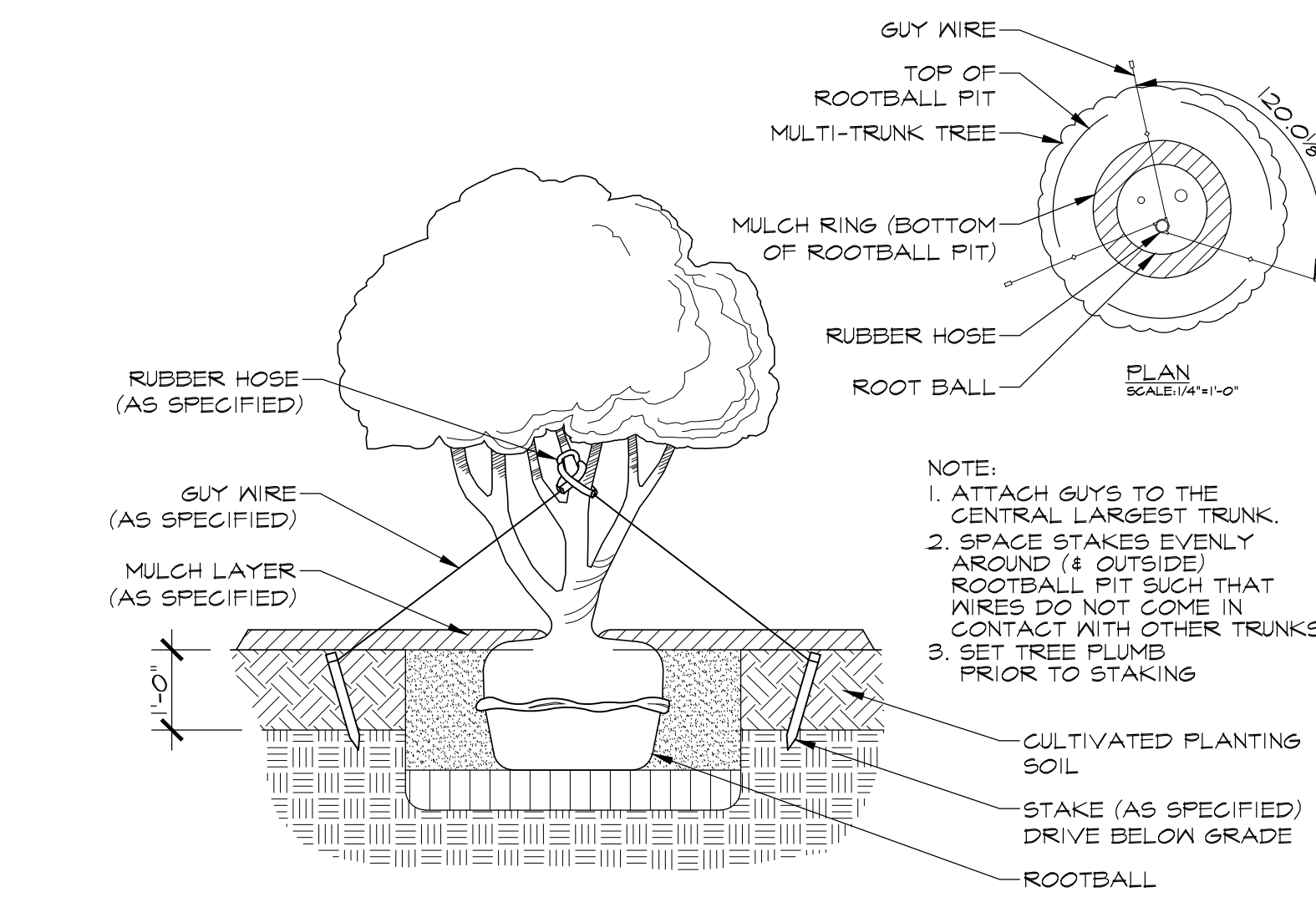


GENERAL NOTES:
 1. SEE SPECIFICATIONS FOR DRAINAGE TEST REQUIREMENTS PRIOR TO PLANTING, SEC. 02900.
 2. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
 3. IMMEDIATELY SOAK WITH WATER.
 4. DO NOT BREAK ROOTBALL.

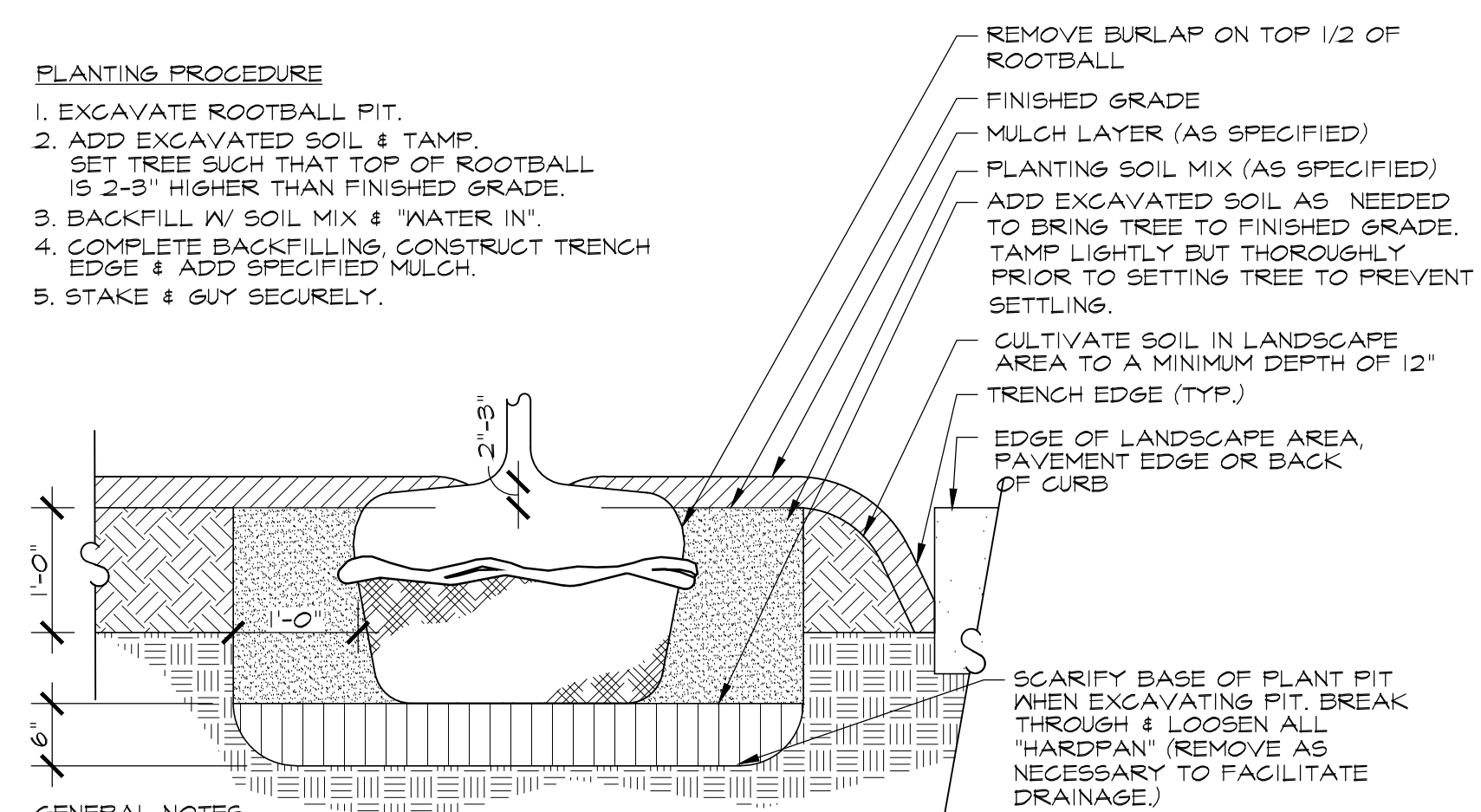
A TYPICAL TREE ROOTBALL PIT
 LD-2 SCALE: 3/4"=1'-0"
 FILE NAME: LAF001



D TREE STAKING AND GUYING IN CULTIVATED AND MULCHED PLANTING AREA
 LD-2 SCALE: 1/2"=1'-0"
 FILE NAME: LAF002

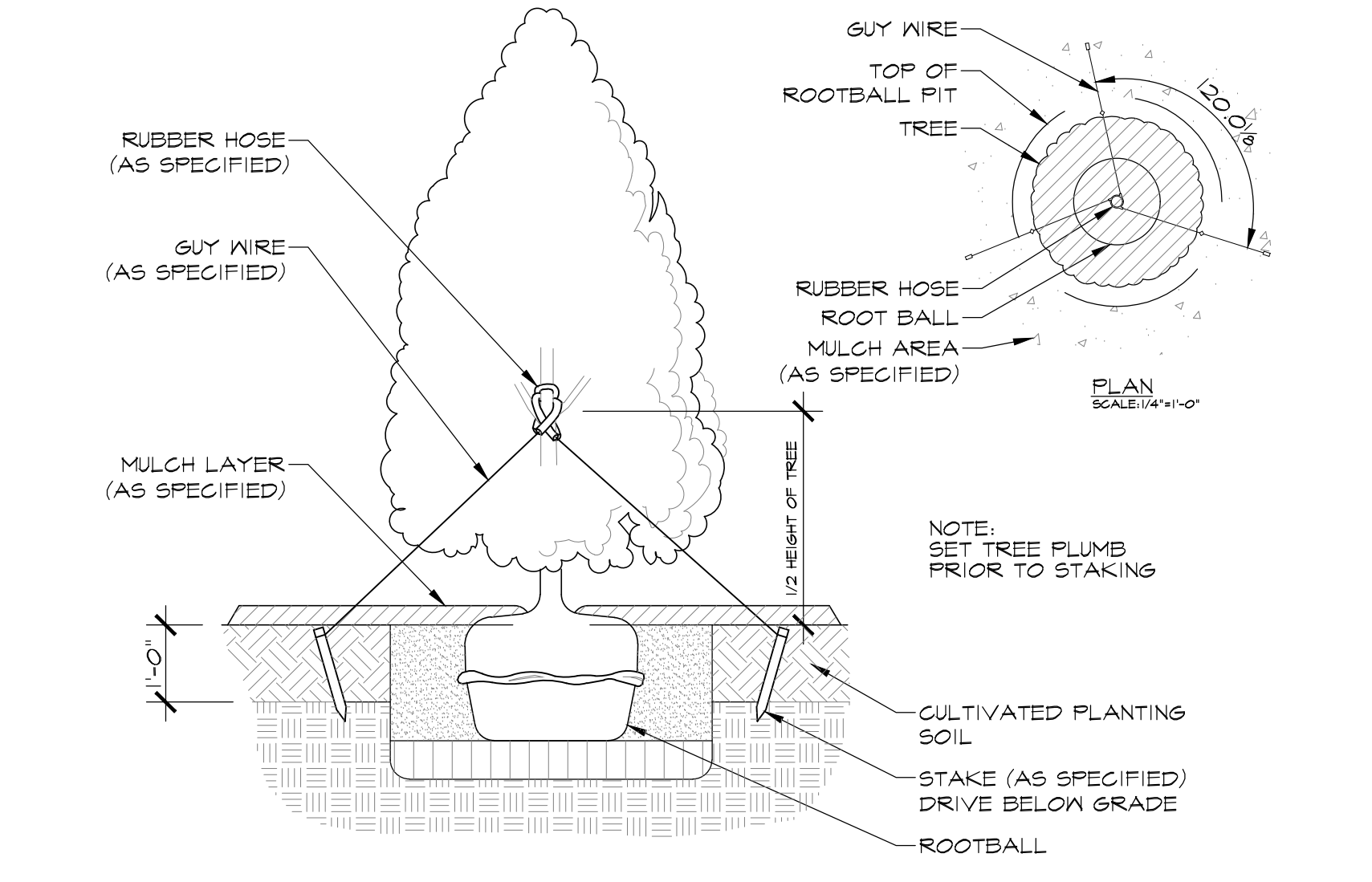


G MULTI-TRUNK TREE STAKING AND GUYING IN CULTIVATED AND MULCHED PLANTING AREA
 LD-2 SCALE: 1/2"=1'-0"
 FILE NAME: LAF003

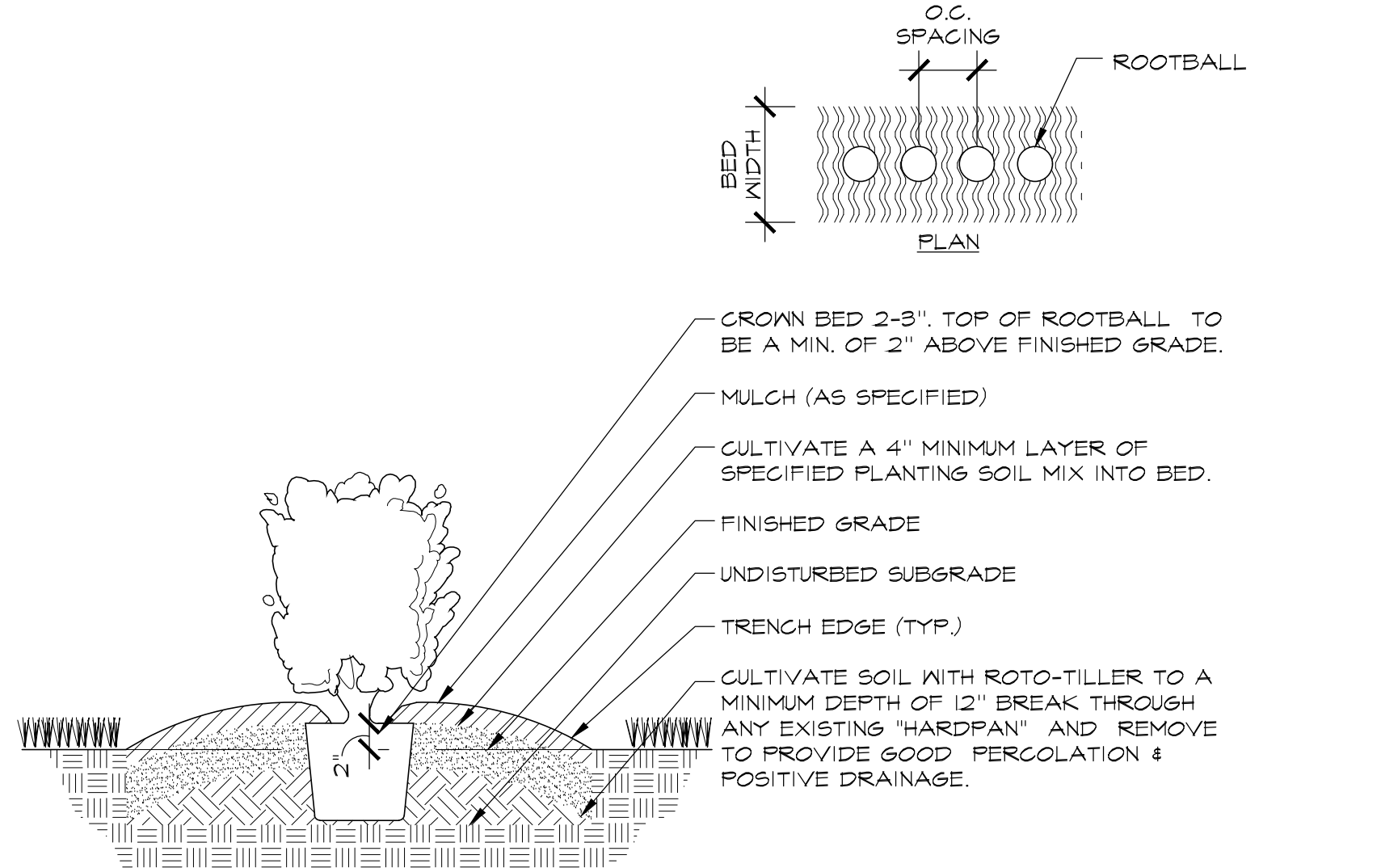


GENERAL NOTES:
 1. SEE SPECIFICATIONS FOR DRAINAGE TEST REQUIREMENTS PRIOR TO PLANTING, SEC. 02900.
 2. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
 3. IMMEDIATELY SOAK WITH WATER.
 4. DO NOT BREAK ROOTBALL.

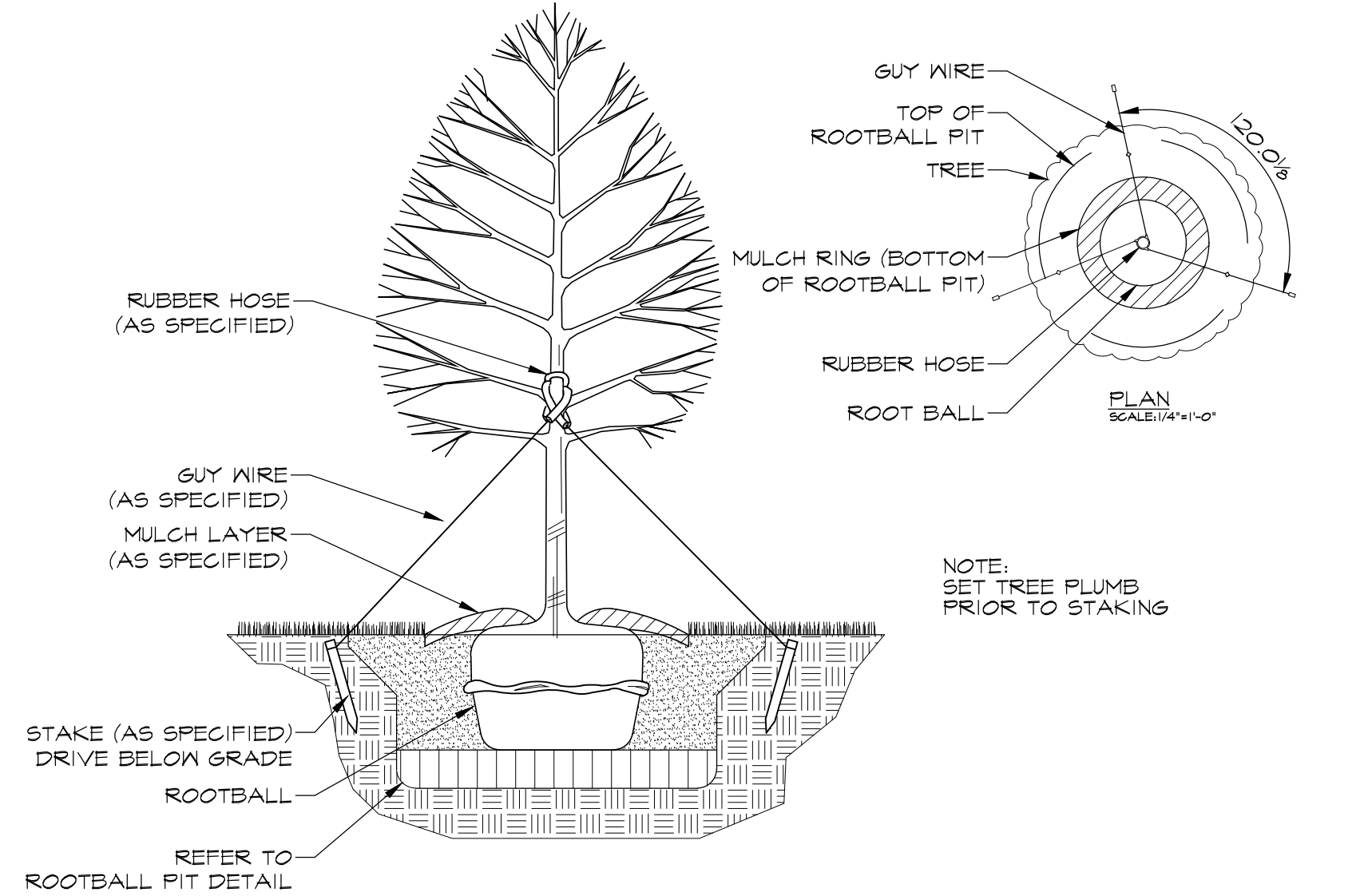
B TYPICAL TREE ROOTBALL PIT IN CULTIVATED AND MULCHED PLANTING AREA
 LD-2 SCALE: 3/4"=1'-0"
 FILE NAME: LAF002



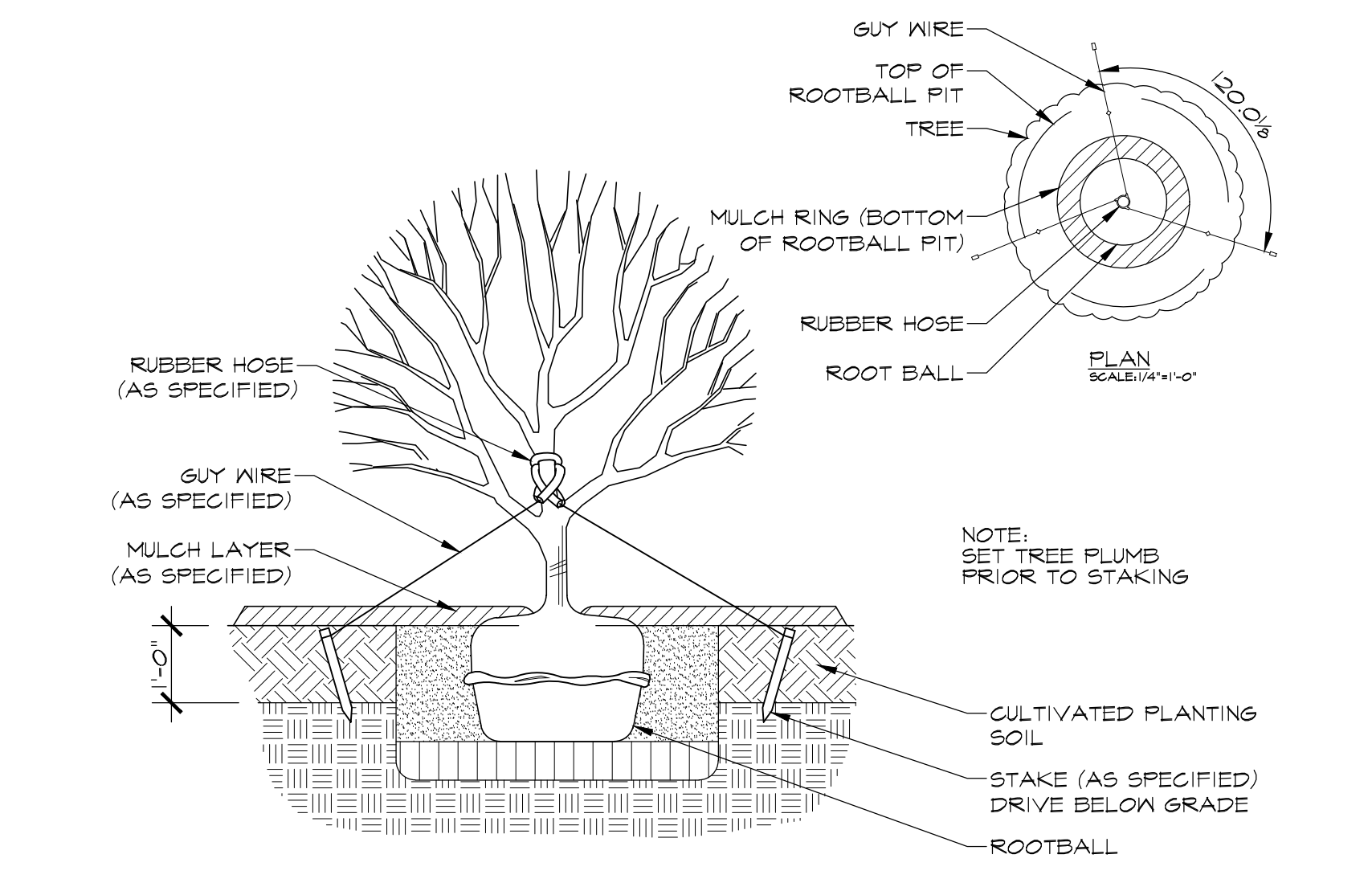
E EVERGREEN TREE STAKING AND GUYING IN CULTIVATED AND MULCHED PLANTING AREA
 LD-2 SCALE: 1/2"=1'-0"
 FILE NAME: LAF003



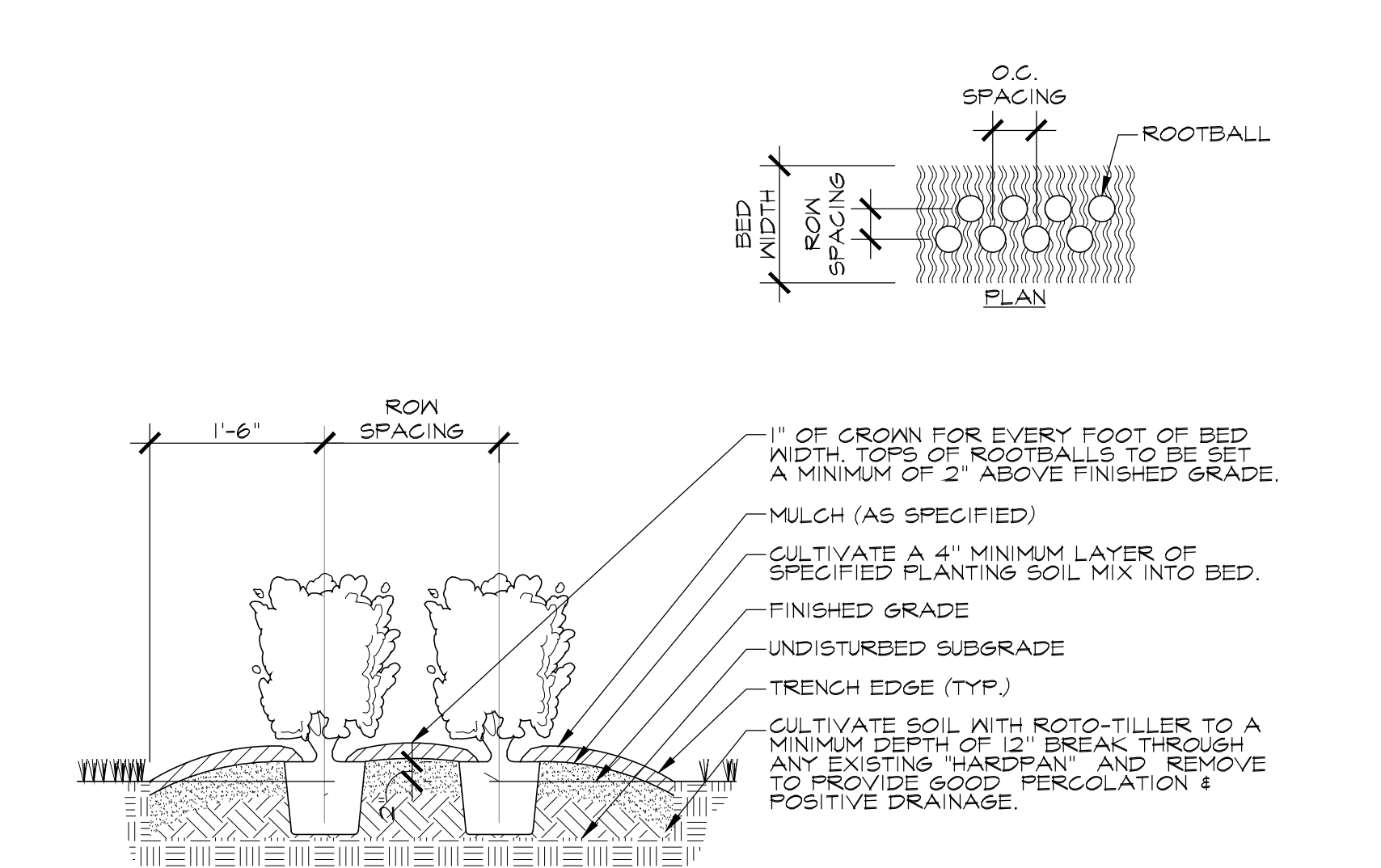
H HEDGE PLANTING (SINGLE ROW)
 LD-2 SCALE: 1"=1'-0"
 FILE NAME: LAF004



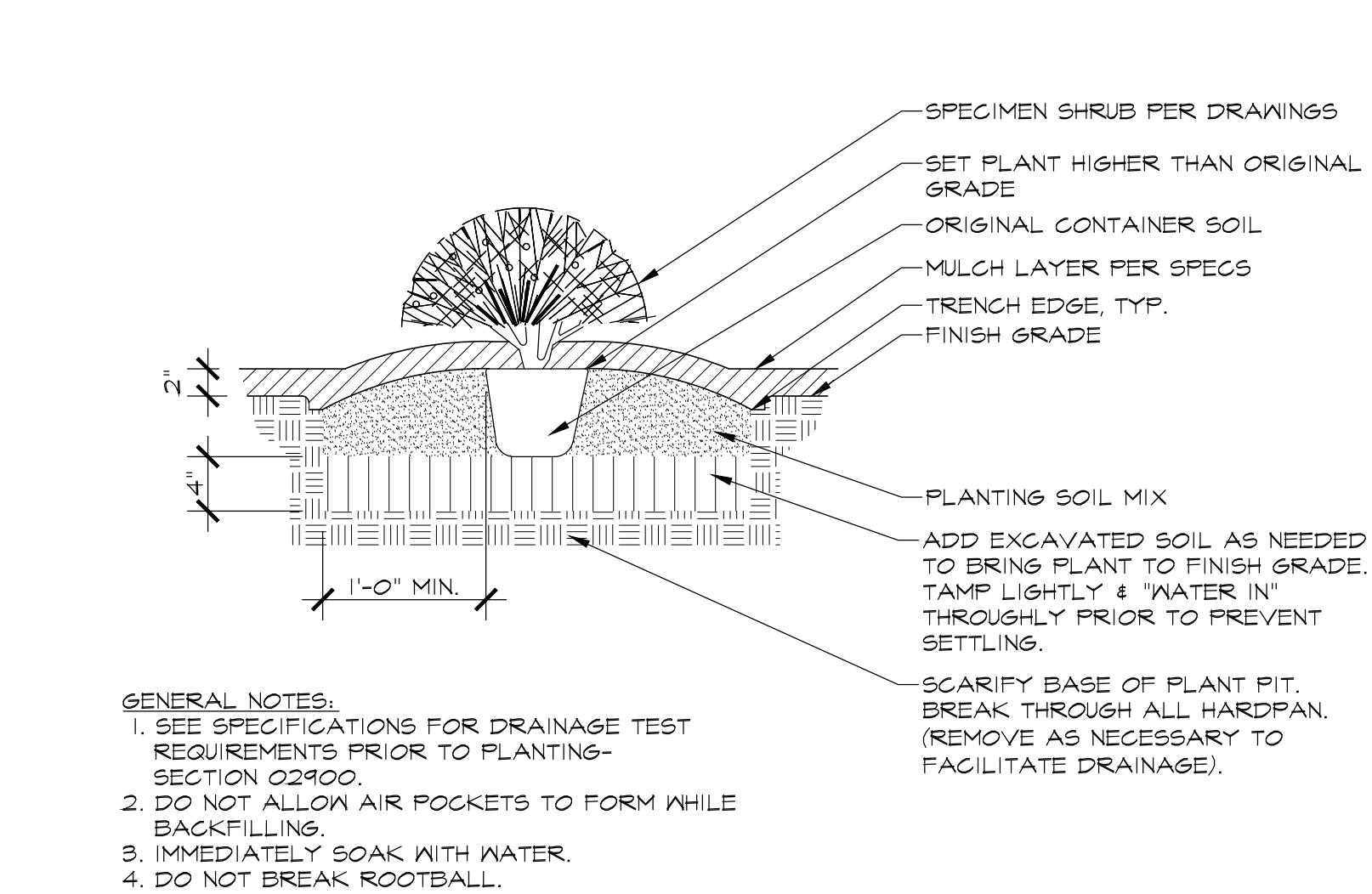
C TREE STAKING AND GUYING
 LD-2 SCALE: 1/2"=1'-0"
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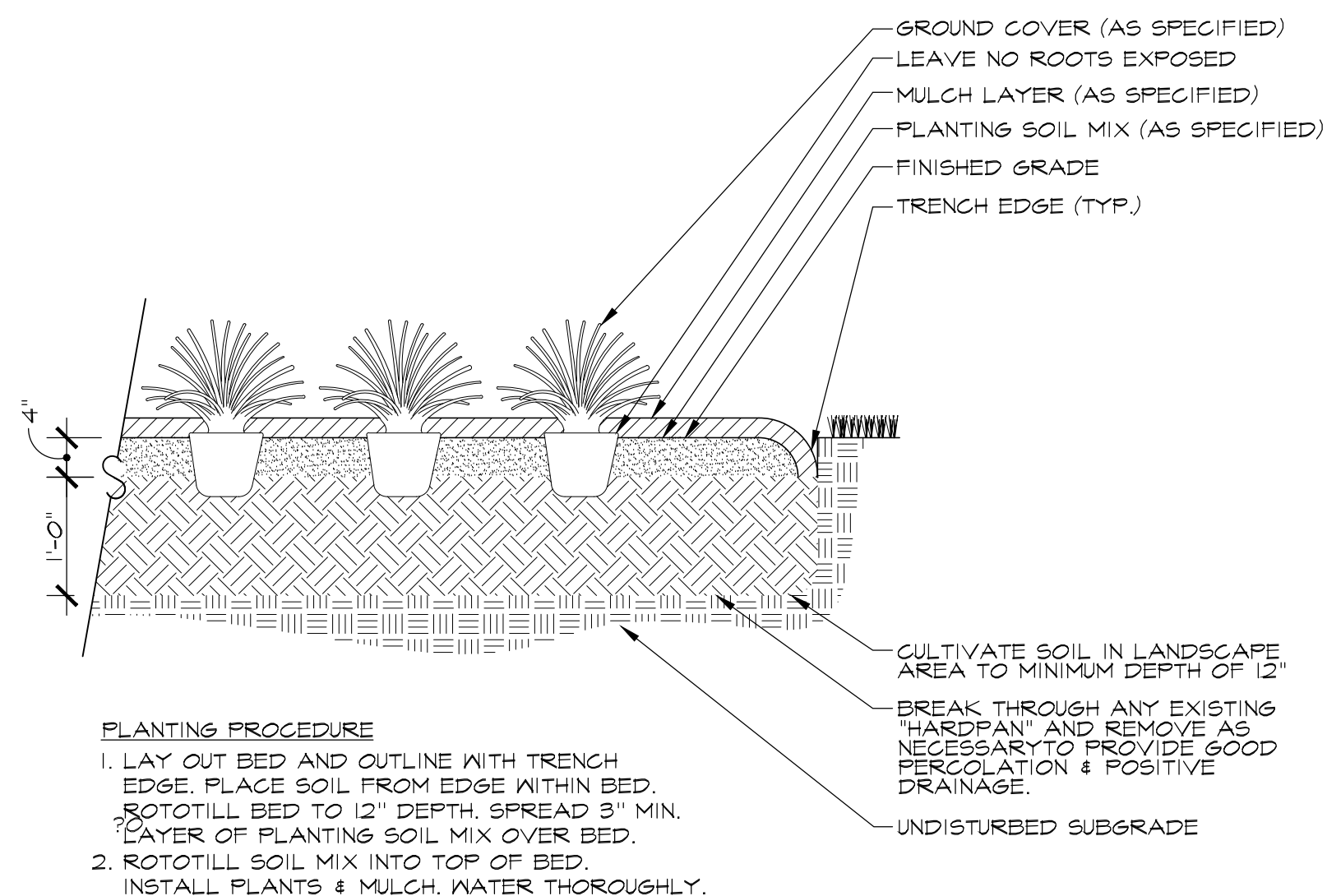
F FLOWERING TREE STAKING AND GUYING IN CULTIVATED AND MULCHED PLANTING AREA
 LD-2 SCALE: 1/2"=1'-0"
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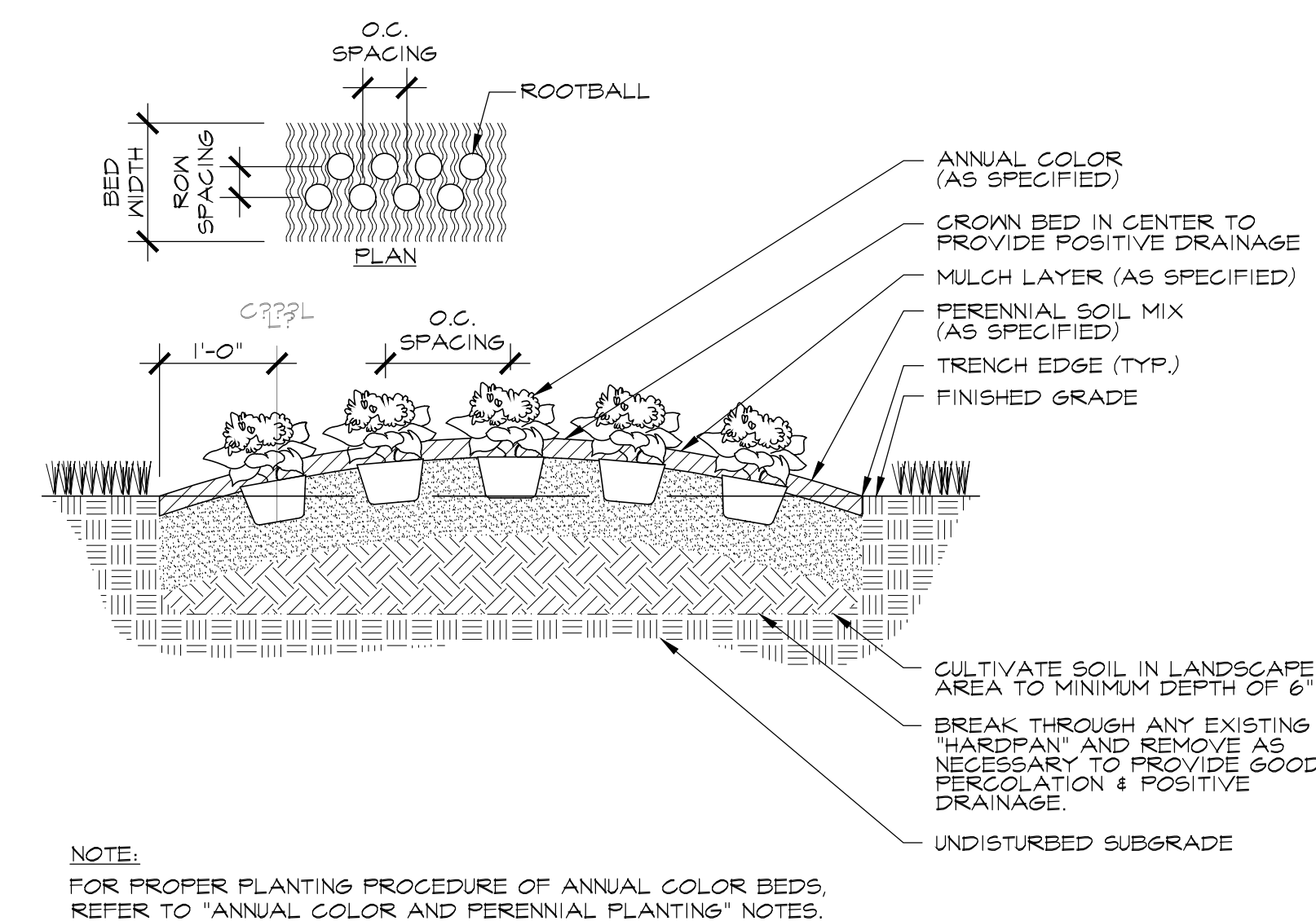
I HEDGE PLANTING (DOUBLE ROW)
 LD-2 SCALE: 3/4"=1'-0"
 FILE NAME: LAF005



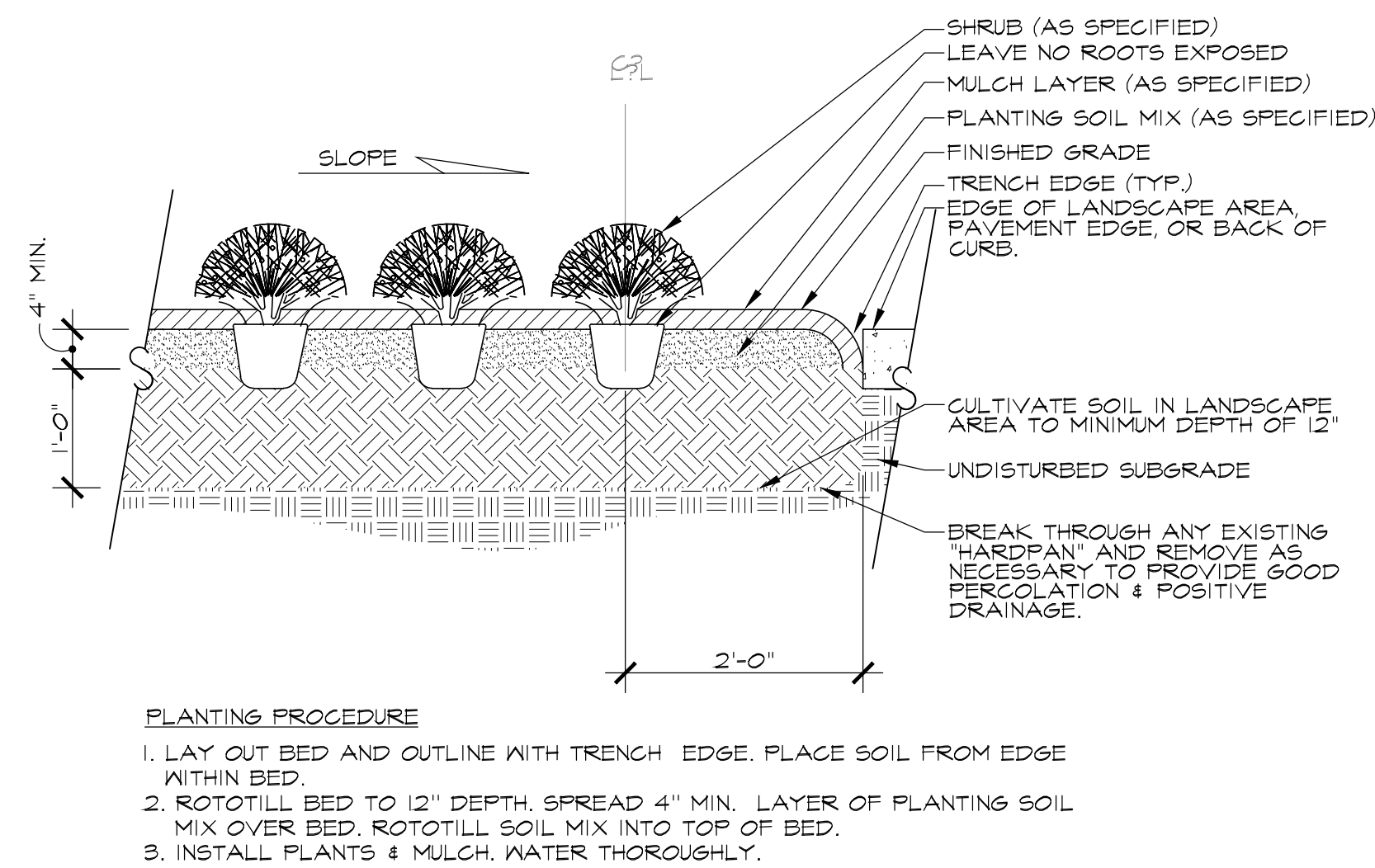
A INDIVIDUAL SHRUB PLANTING (CONTAINER) IN MULCHED PLANTING AREA
LD-3 SCALE: 1/8"=1'-0"
FILE NAME: LAFLO21



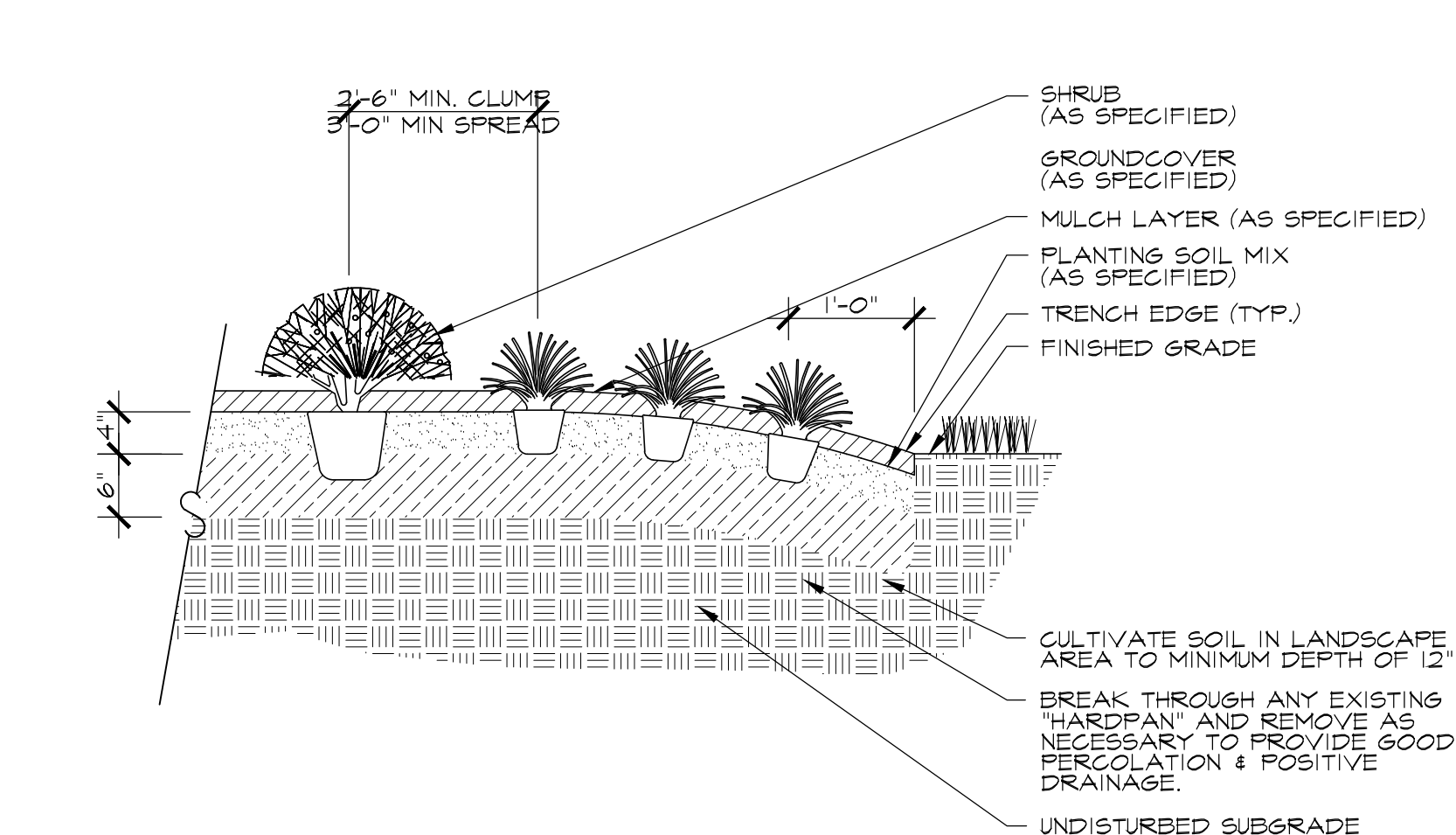
D GROUNDCOVER PLANTING
LD-3 SCALE: 3/4"=1'-0"
FILE NAME: LAFLO25



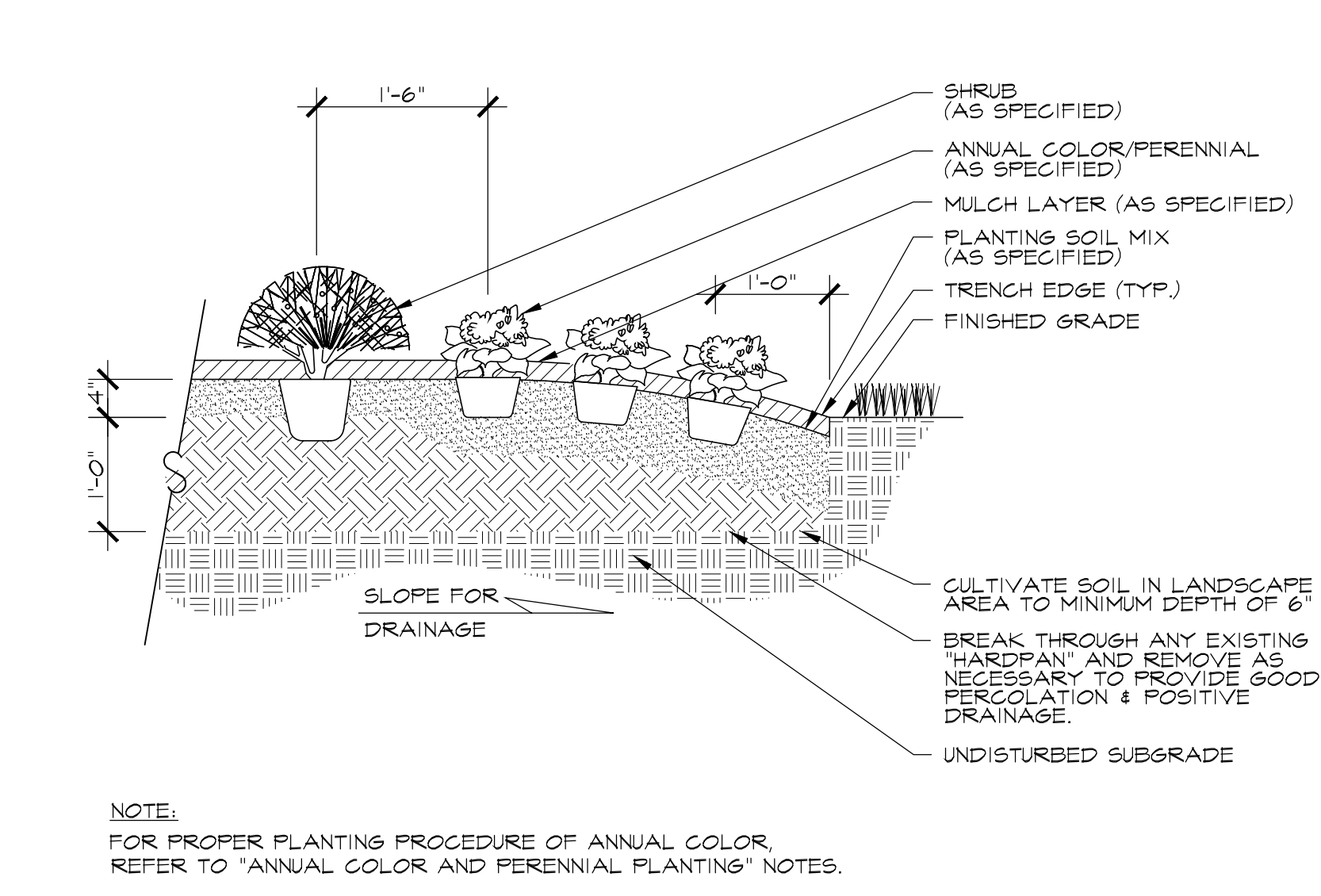
G ANNUAL COLOR BED PLANTING
LD-3 SCALE: 3/4"=1'-0"
FILE NAME: LAFLO31



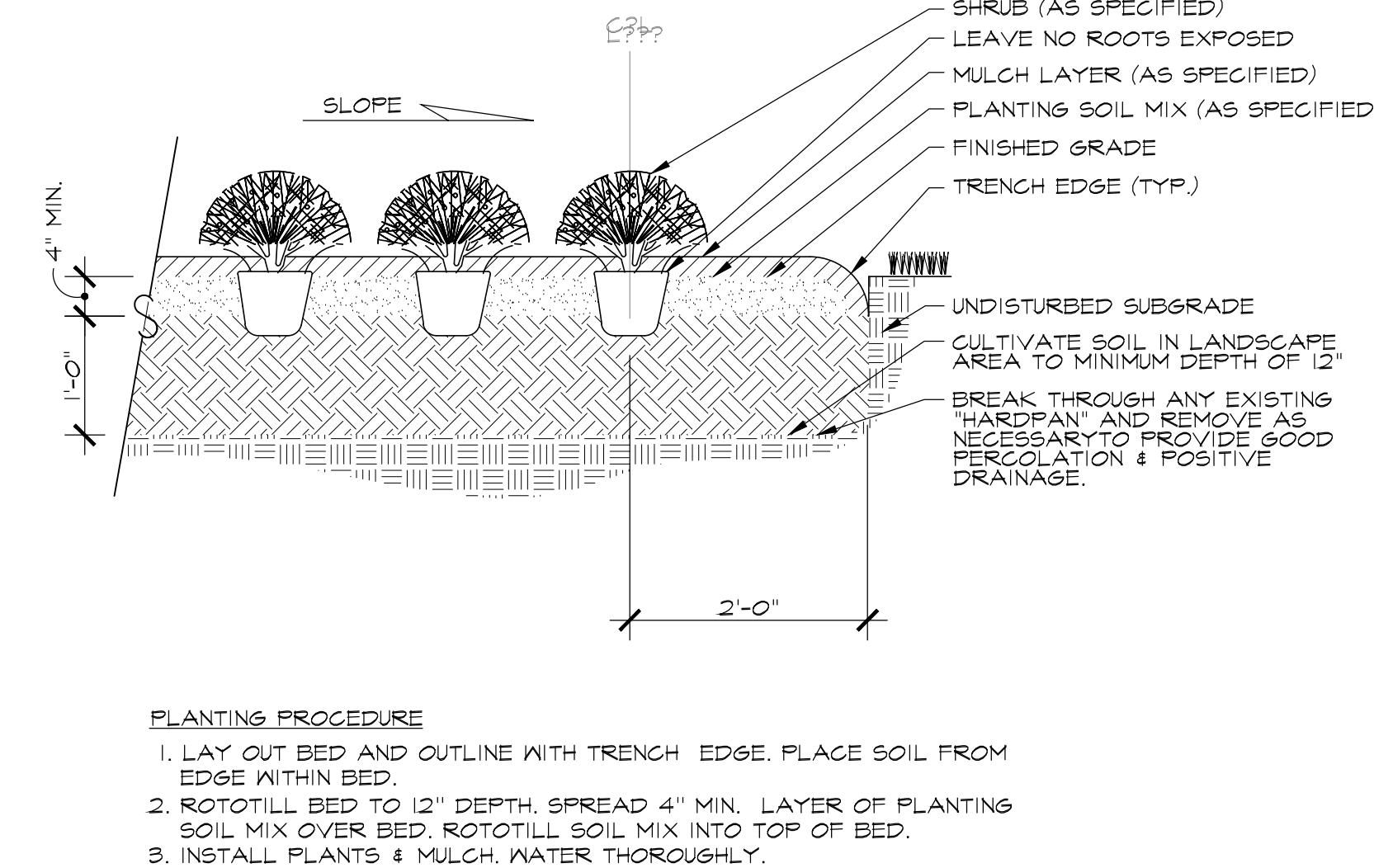
B SHRUB PLANTING IN MULCHED AND CULTIVATED PLANTING AREA
LD-3 SCALE: 3/4"=1'-0"
FILE NAME: LAFLO22



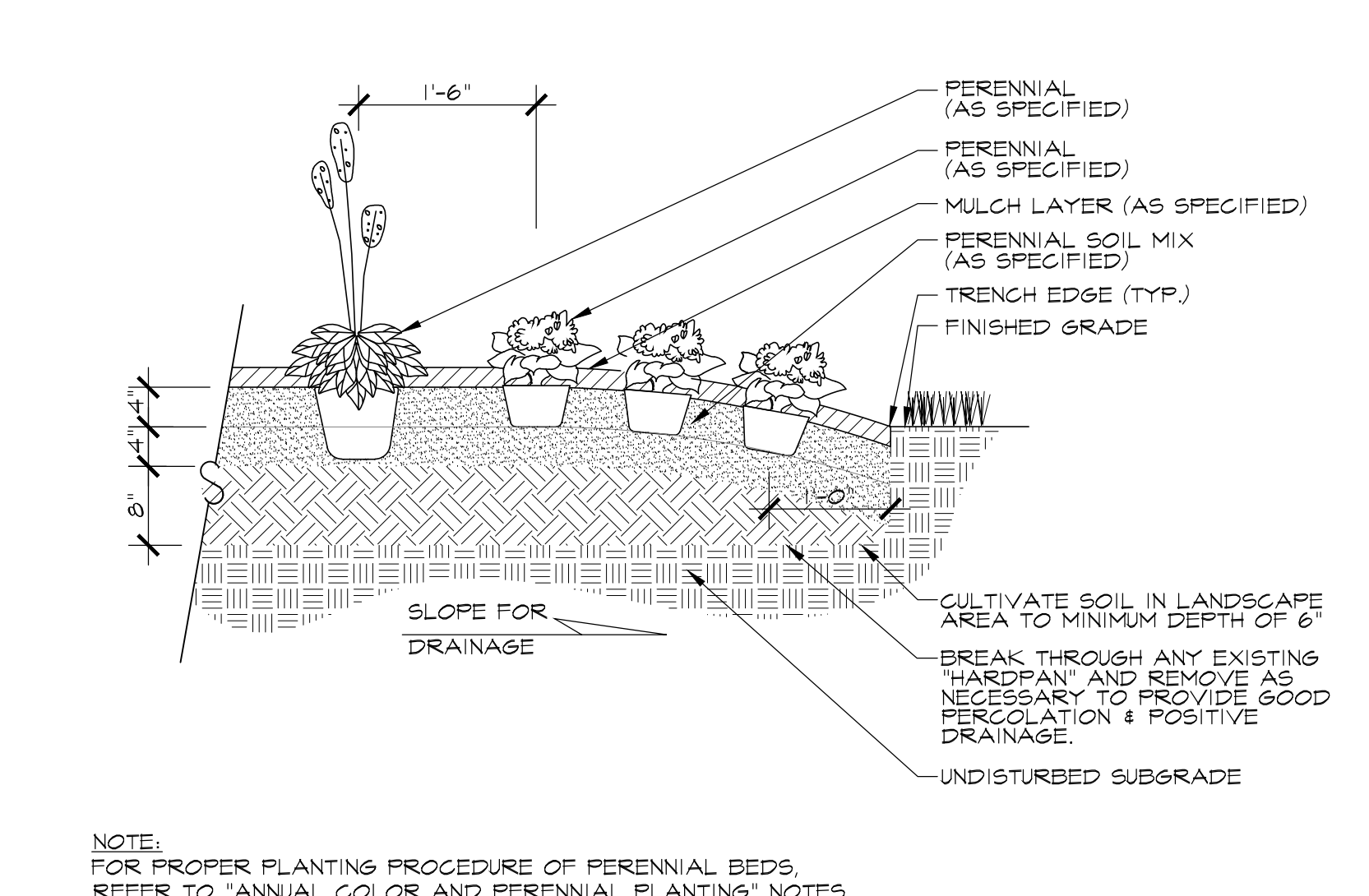
E GROUNDCOVER BED (FRONTING SHRUB BED)
LD-3 SCALE: 3/4"=1'-0"
FILE NAME: LAFLO29



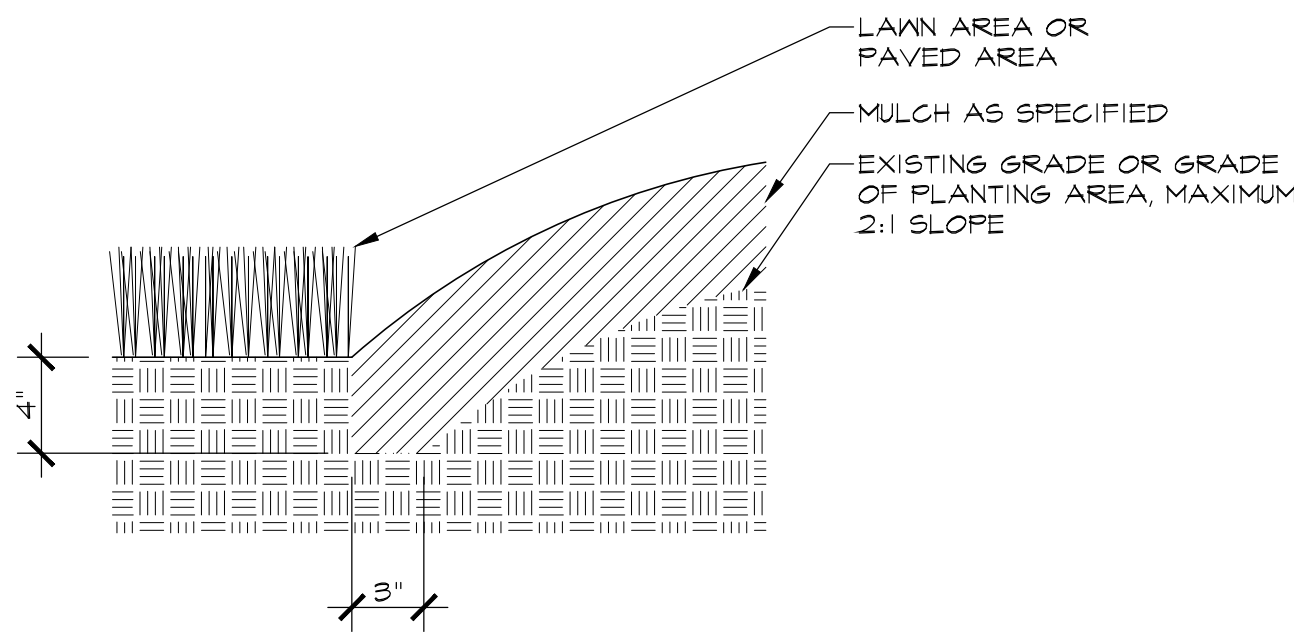
H ANNUAL COLOR/ PERENNIAL BED (FRONTING SHRUB BED)
LD-3 SCALE: 3/4"=1'-0"
FILE NAME: LAFLO38



C SHRUB PLANTING
LD-3 SCALE: 3/4"=1'-0"
FILE NAME: LAFLO23

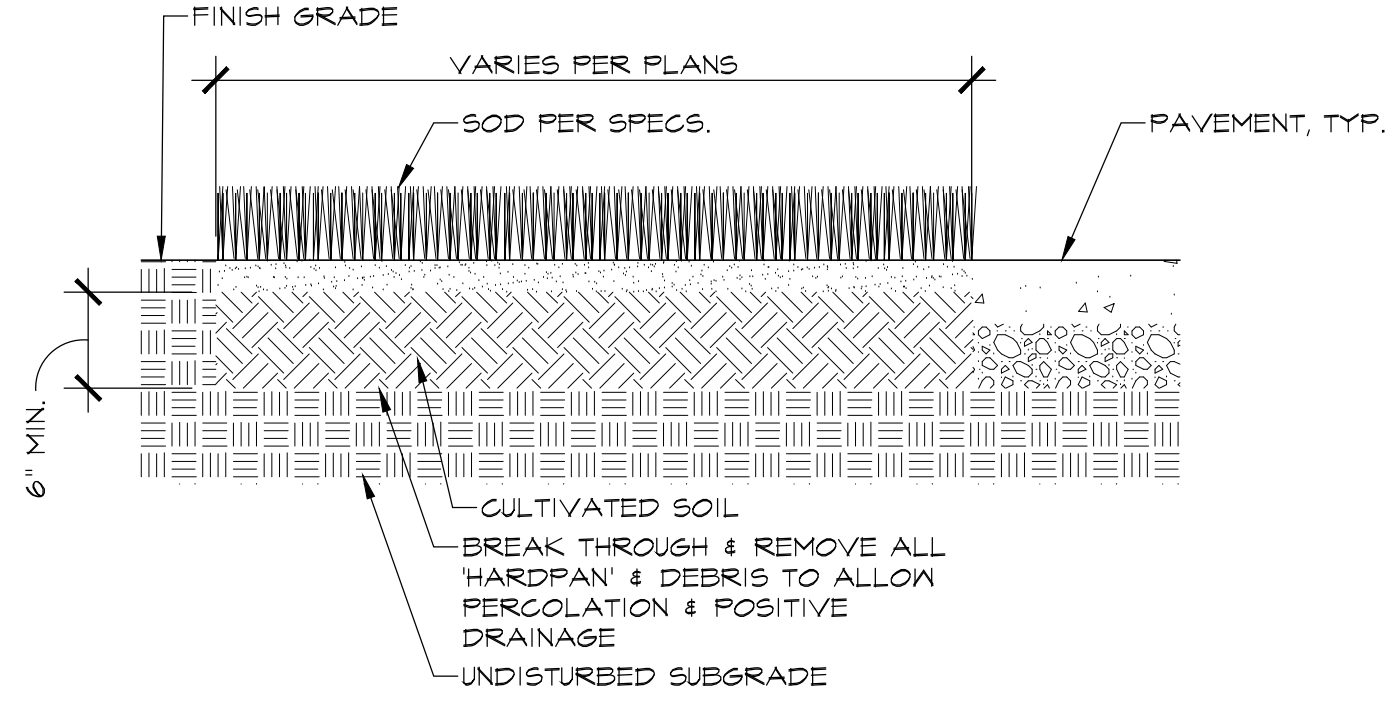


F MASS PERENNIAL BED PLANTING
LD-3 SCALE: 3/4"=1'-0"
FILE NAME: LAFLO36



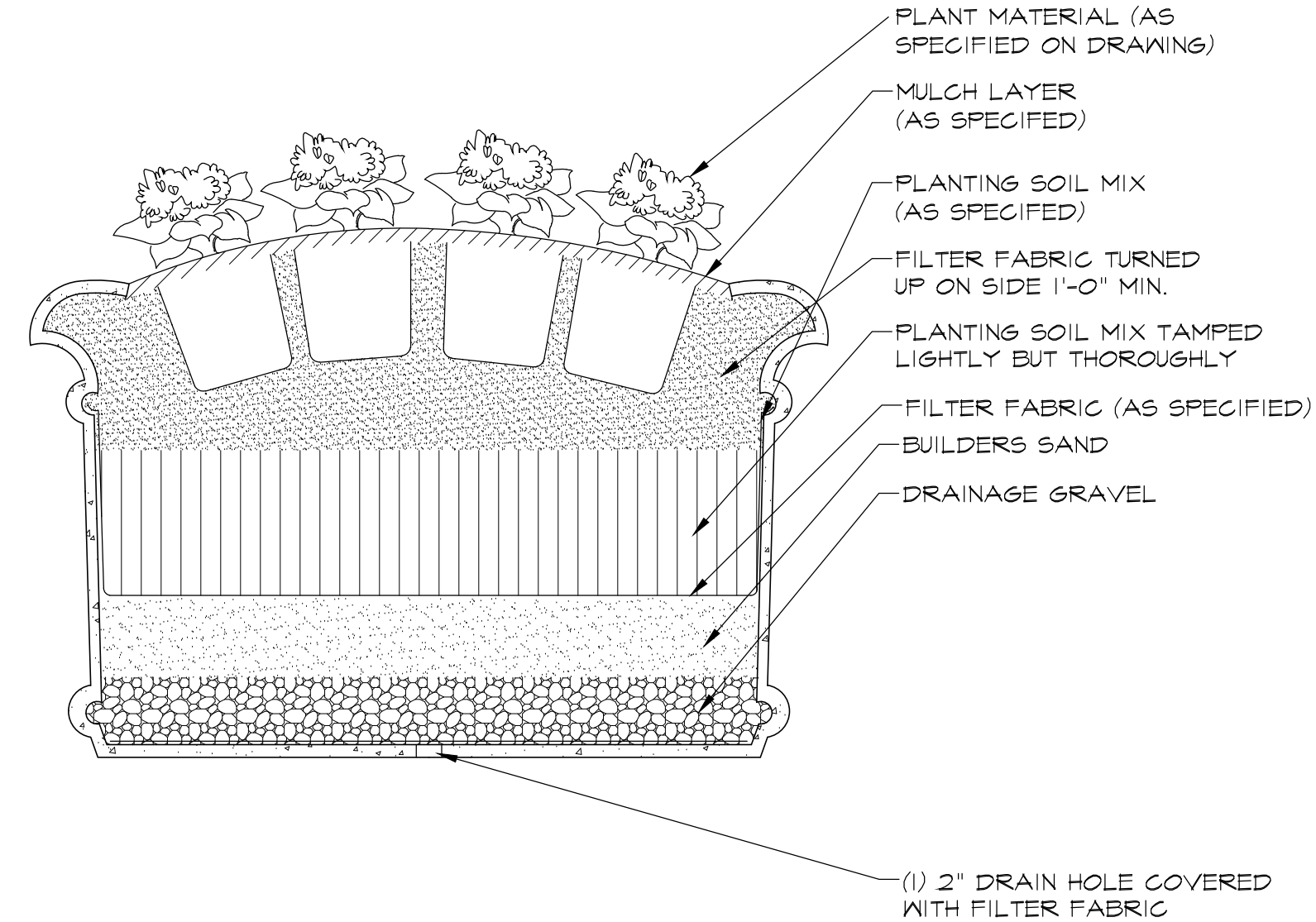
NOTE:
1. TRENCH EDGE DETAIL SHALL BE USED AT ALL LAWN EDGES & AT EDGES OF MULCHED AREAS (FOR CONTAINMENT).
2. TRENCH EDGE SHALL CREATE A CLEAN SEPARATION BETWEEN AREAS; & SHALL CREATE SMOOTH & EVEN LINES (AS INDICATED ON THE PLANS).

A TRENCH EDGE DETAIL
LD-4 SCALE: 1/2" = 1'-0"
FILE NAME: LAPL042



SODDING PROCEDURE:
1. THE GENERAL CONTRACTOR WILL PROVIDE GRADES TO (+/- .20) OF A FOOT OF PROPOSED GRADES.
2. CULTIVATE ENTIRE AREA TO A MINIMUM DEPTH OF 6", HANDRAKE SMOOTH.
3. ADD ADDITIVES (PER SOIL TEST ANALYSIS) & ROTOTILL.
4. WATER AREA TO BE SODDED PRIOR TO ALYING SOD.
5. LAY & ROLL SOD. WATER THOROUGHLY.

B SOD INSTALLATION
LD-4 SCALE: 1" = 1'-0"
FILE NAME: LAPL034



C FREESTANDING PLANTER SECTION
LD-4 SCALE: 1" = 1'-0"
FILE NAME: LAPL120

SECTION 329000
EXTERIOR LANDSCAPE

A. GENERAL

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO TOTAL AND CONFIRM ALL MATERIAL QUANTITIES. ITEMS QUANTIFIED BY AN AREA (I.E., SQUARE FEET - SF, SQUARE YARD - SQ. YD.) OR VOLUME (CUBIC FEET - CU. FT., CUBIC YARD - CU. YD.) SHALL BE CALCULATED AND CONFIRMED BY THE CONTRACTOR. THE QUANTITIES LISTED ON THE PLANT LIST ARE ESTIMATED. IN THE EVENT OF A DISCREPANCY BETWEEN THE TOTALS LISTED ON THE PLANT LIST AND THE NUMERICAL CALLOUTS ON THE DRAWINGS, THE DRAWINGS SHALL GOVERN. THE ACTUAL TOTAL QUANTITIES SHALL BE DETERMINED BY THE CONTRACTOR.
- DELIVER TREES, SHRUBS, GROUND COVER AND SOD AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN SIX (6) HOURS AFTER DELIVERY, SET TREES, SHRUBS AND GROUND COVER IN SHADE, PROTECT FROM CURRENT AND FORECASTED WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST.
 - SET BALLED STOCK ON GROUND OR IN PARTIALLY EXCAVATED HOLE AND COVER ROOTBALL WITH SOIL, PEAT MOSS, SAND/UST OR OTHER ACCEPTABLE MATERIAL.
 - DO NOT REMOVE CONTAINER-GROWN STOCK FROM CONTAINERS UNTIL PLANTING TIME.
 - HEAL-IN BARE ROOT STOCK. SOAK ROOTS IN WATER, DO NOT LET ROOTS DRY OUT.
 - WATER ROOT SYSTEMS OF PLANT MATERIAL STORED ON-SITE. WATER AS OFTEN AS NECESSARY TO MAINTAIN ROOT SYSTEMS IN A MOIST CONDITION.
- INSURANCE ON PLANT MATERIAL AND OTHER MATERIALS STORED OR INSTALLED IS THE RESPONSIBILITY OF THE CONTRACTOR. SUCH INSURANCE SHALL COVER FIRE, THEFT, VANDALISM AND OTHER UNUSUAL PHENOMENON. SHOULD THE CONTRACTOR ELECT NOT TO PROVIDE SUCH INSURANCE, HE WILL, IN NO WAY HOLD THE OWNER RESPONSIBLE FOR ANY LOSSES INCURRED BY THE AFOREMENTIONED ACTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCURRED IN REPLACING DAMAGED OR STOLEN MATERIALS PRIOR TO DATE OF SUBSTANTIAL COMPLETION OF THE WORK.
- LOCATE AND VERIFY ALL UTILITY LOCATIONS, EXISTING STRUCTURES ON AND AROUND THE SITE PRIOR TO WORK. MAINTAIN EXISTING UTILITIES AND STRUCTURES AND PROTECT THEM AGAINST DAMAGE DURING THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, PAVING AND/OR OTHER CONSTRUCTION RESULTING FROM THE LANDSCAPE CONSTRUCTION.
- VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCING WORK. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY.
- NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY OF THOSE SHOWN ON THE DRAWINGS.
- CONTRACTOR SHALL VERIFY THE CONDITIONS AND/OR ADEQUACY OF ALL SUBGRADES, FILLS AND BACKFILLS BEFORE INSTALLATION OF PLANT MATERIALS.
- CONTRACTOR SHALL VERIFY THAT PROJECT CONDITIONS (I.E. WEATHER, ADJACENT WORK, ETC.) ARE SATISFACTORY FOR INSTALLATION PRIOR TO COMMENCING WORK.
- WARRANTY FOR A PERIOD OF ONE (1) YEAR, FOLLOWING THE DATE OF SUBSTANTIAL COMPLETION, ALL TREES, SHRUBS, GROUNDCOVERS, PLANTS AND GRASS AGAINST ANY DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, AS DETERMINED BY THE LANDSCAPE ARCHITECT. WARRANTY SHALL INCLUDE THE COMPLETE COST TO SUPPLY AND INSTALL ALL REPLACEMENT PLANT MATERIALS ACCORDING TO THE REQUIREMENTS HEREIN. DEFECTS RESULTING FROM LACK OF ADEQUATE MAINTENANCE, NEGLECT OR ABUSE BY THE OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENON OR INCIDENTS BEYOND THE CONTRACTOR'S CONTROL, ARE EXCEPTED. SHOULD QUESTIONS ARISE CONCERNING THE RESPONSIBILITY OF REPLACEMENT, THE LANDSCAPE ARCHITECT WILL BE AVAILABLE FOR ARBITRATION PROVIDED THE OWNER AND CONTRACTOR MUTUALLY DESIRE.
- REMOVE AND REPLACE ALL TREES, SHRUBS, GROUNDCOVERS AND LAWN OR OTHER PLANTS FOUND TO BE MORE THAN 25 PERCENT DEAD OR IN UNHEALTHY CONDITION DURING WARRANTY PERIOD. REPLACEMENTS ARE SUBJECT TO ALL REQUIREMENTS STATED IN THE CONTRACT DOCUMENTS. MAKE REPLACEMENTS IMMEDIATELY UNLESS REQUIRED TO PLANT IN THE SUCCEEDING PLANTING SEASON. REPLACEMENTS MADE DURING THE WARRANTY PERIOD OR FOLLOWING THE SITE VISIT FOR FINAL ACCEPTANCE WILL CARRY AN ADDITIONAL ONE (1) YEAR WARRANTY BEGINNING AT THE TIME OF REPLACEMENT.
- INSPECT PROJECT SITE MONTHLY DURING WARRANTY PERIOD TO DETERMIN WHAT CHANGES, IF ANY, SHOULD BE MADE IN THE MAINTENANCE PROGRAM. SUBMIT ALL RECOMMENDED CHANGES IN WRITING TO THE LANDSCAPE ARCHITECT AND THE OWNER.

B. PRODUCTS:

- ONLY PLANT MATERIAL GROWN IN A RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE WILL BE ACCEPTED. PROVIDE HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS OR DISFIGUREMENT.
 - CONTRACTOR MUST LOCATE ALL PLANT MATERIAL TO BE SUPPLIED FOR THE PROJECT.
 - IN THE EVENT PLANT MATERIAL IS FOUND TO BE UNACCEPTABLE, THE CONTRACTOR WILL PURSUE OTHER SOURCES UNTIL ACCEPTABLE PLANT MATERIAL IS FOUND.
- THE SELECTION OF ALL MATERIALS AND THE EXECUTION OF ALL OPERATIONS REQUIRED UNDER THE DRAWINGS AND SPECIFICATIONS IS SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT. THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REJECT ANY AND ALL MATERIALS AND ANY AND ALL WORK WHICH, IN HIS OPINION, DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AT ANY STAGE OF THE OPERATIONS. THE CONTRACTOR SHALL REMOVE REJECTED WORK AND/OR MATERIALS FROM PROJECT SITE AND REPLACE PROMPTLY.
- PROVIDE NEW TOPSOIL WHICH IS FERTILE, FRIABLE, PERVIOUS, SANDY LOAM, SURFACE SOIL, FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONES LARGER THAN ONE AND ONE-HALF (1 1/2) INCHES IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
- AGGREGATE SOIL CONDITIONER, ROTARY KILN EXPANDED SLATE SPECIALLY GRADED FOR USE AS A HORTICULTURAL SOIL CONDITIONER.
- COARSE SAND, CLEAN, WASHED, NATURAL OR MANUFACTURED SAND, FREE OF EXTRANEOUS OR TOXIC MATTER COMPLYING WITH ASTM C136.
- COMPOST, WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER, PH RANGE OF 5.5 TO 8; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH 1-INCH SIEVE; SOLUBLE SALT CONTENT OF 4 TO 6 DECISEMENS/M; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS; AND AS FOLLOWS:
 - ORGANIC MATTER CONTENT: 50 PERCENT MINIMUM OF DRY WEIGHT.
 - FEEDSTOCK: AGRICULTURAL, FOOD, OR INDUSTRIAL RESIDUALS; BIOSOLIDS; YARD TRIMMINGS; OR SOURCE-SEPARATED OR COMPOSTABLE MIXED SOLID WASTE THAT MEET ALL STATE ENVIRONMENTAL PROTECTION AGENCY REQUIREMENTS.
- HUMUS, AIR DRIED, FINELY SHREDDED, AND PH RANGE SUITABLE FOR INTENDED HORTICULTURAL USE. HUMUS SHALL BE COMPLETELY DECOMPOSED FOREST TYPE INCLUDING COMPOSTED LEAVES, BARK AND ORGANIC WASTES.
- COMMERCIAL FERTILIZER, COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER, CONSISTING OF FAST- AND SLOW-RELEASED NITROGEN, 50 PERCENT DERIVED FROM NATURAL ORGANIC SOURCES, PHOSPHOROUS, AND POTASSIUM.
- PLANTING SOIL MIX FOR ON-GRADE PLANTINGS: PROVIDE SOIL MIX CONSISTING OF:
 - 60 PERCENT TOPSOIL (AS SPECIFIED)
 - 40 PERCENT PREPARED ADDITIVES (BY VOLUME AS FOLLOWS)
 - 2 PARTS HUMUS, PEAT, AND/OR COMPOST
 - 1 PART SHREDDED PINE BARK (BARK PIECES 1/2 INCH MAXIMUM LENGTH)
 - 1 PART STERILIZED COMPOSTED COV MANURE
 - COMMERCIAL FERTILIZER AS RECOMMENDED IN SOIL REPORT
- LIME AS RECOMMENDED IN SOIL REPORT

- PLANTING SOIL MIX FOR ANNUAL COLOR AND PERENNIAL PLANTINGS: PROVIDE SOIL MIX AMENDED AS FOLLOWS BY VOLUME:
 - 40 PERCENT TOPSOIL (AS SPECIFIED)
 - 25 PERCENT HUMUS AND/OR COMPOST
 - 15 PERCENT COMPOSTED BARK MULCH (BARK PIECES, 1/4 INCH MAX.)
 - 10 PERCENT NATURAL HUMUS
 - 5 PERCENT STERILIZED COMPOSTED COV MANURE
 - 5 PERCENT SAND (COARSE RIVER SAND) DECREASE AMOUNT IF TOPSOIL HAS A HIGH PERCENTAGE OF SAND.
- LIME AT A RATE OF 5 POUNDS PER 50 SQUARE FEET OF BED AREA (ADJUST FOR ALKALINE SOILS).
- SPECIFIC REQUIREMENTS CONCERNING PLANT MATERIAL AND THE MANNER IN WHICH IT IS TO BE SUPPLIED ARE SHOWN ON THE DRAWINGS AND PLANT LIST, WITHIN EACH SIZE RANGE NOT LESS THAN 50 PERCENT THE PLANTS MUST BE OF THE MAXIMUM SIZE SPECIFIED.
- FURNISH NURSERY GROWN PLANTS, FRESHLY DUG, NORMALLY SHAPED AND WELL BRANCHED, FULLY FOLIAGED WHEN IN LEAF AND WITH HEALTHY, WELL DEVELOPED ROOT SYSTEMS. PLANTS TO BE FREE OF DISEASE, INSECT INFESTATIONS OR THEIR EGGS AND LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS AND DISFIGUREMENT.
 - PROVIDE TREES OF HEIGHT AND CALIPER LISTED OR SHOWN AND WITH BRANCHING CONFIGURATION RECOMMENDED BY ANSI Z60.1 FOR TYPE AND SPECIES REQUIRED. PROVIDE SINGLE STEM TREES EXCEPT WHERE SPECIAL FORMS ARE SPECIFIED IN THE CONTRACT DOCUMENTS.
 - PROVIDE ESTABLISHED AND WELL-ROOTED PLANTS, IN REMOVABLE CONTAINERS, WITH NOT LESS THAN THE MINIMUM NUMBER OF CANES REQUIRED BY AND MEASURED ACCORDING TO ANSI Z60.1 FOR TYPE, SHAPE, AND HEIGHT OF SHRUB.
 - PROVIDE ESTABLISHED AND WELL-ROOTED PLANTS, IN REMOVABLE CONTAINERS OR INTEGRAL PEAT POTS, HAVING NOT LESS THAN MINIMUM NUMBER AND LENGTH OF RUNNERS BY ANSI Z60.1 FOR THE POT SIZE SPECIFIED.
 - PROVIDE FRESH, CLEAN, NEW CROP SEED COMPLYING WITH TOLERANCE FOR PURITY AND GERMINATION ESTABLISHED BY ASSOCIATION OF OFFICIAL SEED ANALYSTS. PROVIDE SEED OF GRASS SPECIES, PROPORTIONS AND MINIMUM PERCENTAGES OF PURITY, GERMINATION, AND MAXIMUM PERCENTAGE OF WEED SEED, AS SPECIFIED ON DRAWINGS.
 - PROVIDE VIABLE SOD OF UNIFORM DENSITY, COLOR, AND TEXTURE, STRONGLY ROOTED, NOT LESS THAN TWO (2) YEARS OLD AND FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES. ONLY PROVIDE SOD CAPABLE OF GROWTH AND DEVELOPMENT WHEN PLANTED (VIABLE, NOT DORMANT). PROVIDE MACHINE CUT SOD OF A UNIFORM MINIMUM SOIL THICKNESS OF FIVE-EIGHTHS (5/8) INCH, PLUS THICKNESS OF TOP GROWTH AND THATCH. SOD PIECES TO BE CONSISTENT IN SIZE AND SHAPE. ALL SOD MUST BE A TRUE CERTIFIED TURFGRASS.
- GUY STAKES, UPRIGHT STAKES, AND DEADEN: GRADE NO. 2 OR BETTER, UNIFORM GRADE PRESSURE PRESERVATIVE TREATED PINE ANPA C-2, OR SOUND NEW HARDWOOD OR REDWOOD FREE OF KNOTS, HOLES AND OTHER DEFECTS, TWO (2) BY TWO (2) INCHES BY THIRTY (30) INCHES LONG, POINTED AT ONE END.
- GUY ANCHORS AND GUY WIRE, NO. 4 REBARS OR COMPARABLE SIZE STEEL STAKES, THREE (3) FEET IN LENGTH; 2-STRAND, TWISTED, PLIABLE GALVANIZED STEEL WIRE NOT LIGHTER THAN NO. 12 GAUGE.
- WATER AND WATER TRANSPORTATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- MULCH, PINE NEEDLE MULCH PREDOMINATELY COMPOSED OF LONGLEAD PINE NEEDLES AND OTHER LONG NEEDED SOUTHERN YELLOW PINE SPECIES, CLEAN, FRESH, DARK BROWN, AND FREE OF BRANCHES, CONES, FOREIGN MATTER, INSECTS AND DISEASES.

C. EXECUTION:

- CONTRACTOR SHALL EXAMINE CONDITIONS UNDER WHICH PLANTING IS TO BE INSTALLED, REVIEW APPLICABLE ARCHITECTURAL AND ENGINEERING DRAWINGS, AND BE FAMILIAR WITH ALIGNMENT OF UNDERGROUND UTILITIES BEFORE DIGGING. NOTIFY LANDSCAPE ARCHITECT OF ADVERSE SUB-SURFACE DRAINAGE OR SOIL CONDITIONS, STATE CONDITIONS AND SUBMIT A RECOMMENDATION FOR CORRECTION INCLUDING AN OBTAIN APPROVAL FOR METHOD OF CORRECTION PRIOR TO CONTINUING TO WORK IN THE AFFECTED AREA, IN THE EVENT THAT ALTERNATE LOCATIONS ARE SELECTED, THE CONTRACTOR SHALL PREPARE SUCH AREAS AT NO ADDITIONAL EXPENSE TO THE OWNER.
- EXCAVATE PITS, BEDS AND TRENCHES WITH VERTICAL SIDES, AS SPECIFIED AND AS SHOWN ON THE DRAWINGS.
- LOOSEN HARDPAN AND MOISTURE BARRIER UNTIL HARDPAN HAS BEEN BROKEN AND MOISTURE IS ALLOWED TO DRAIN FREELY.
- FOR BALLED AND BURLAPPED (B4B) TREES AND SHRUBS, MAKE EXCAVATIONS AT LEAST FOUR (4) FEET WIDER THAN THE BALL DIAMETER FOR THE TOP TWELVE (12) INCHES OF THE PIT. FOR THE REMAINING DEPTH OF THE PIT, EXCAVATE AT LEAST TWO (2) FEET WIDER THAN THE FULL DIAMETER AND EQUAL TO THE BALL DEPTH, PLUS AN ALLOWANCE FOR SETTING OF BALL ON A LAYER OF COMPACTED BACKFILL. ALLOW FOR SIX (6) INCH MINIMUM SETTING LAYER OF EXCAVATED SOIL.
- FOR CONTAINER GROWN STOCK, EXCAVATE AS SPECIFIED FOR BALLED AND BURLAPPED STOCK, ADJUSTED TO SIZE OF CONTAINER WIDTH AND DEPTH.
- TREE AND SPECIMEN SHRUB PITS: FILL EACH PIT WITH WATER. IF PERCOLATION IS LESS THAN 100 PERCENT WITHIN A PERIOD OF TWELVE (12) HOURS, DRILL A TEN (10) INCH DIAMETER AUGER HOLE TO A DEPTH UP TO FIVE (5) FEET BELOW THE BOTTOM OF THE PIT. FILL AUGER HOLE WITH DRAINAGE GRAVEL AND COVER WITH FILTER FABRIC. RETEST PIT IN CASE DRAINAGE IS STILL UNSATISFACTORY, NOTIFY LANDSCAPE ARCHITECT IN WRITING OF THE CONDITION BEFORE PLANTING TREES IN THE QUESTIONABLE AREAS. CONTRACTOR IS FULLY RESPONSIBLE FOR WARRANTY OF THE PLANT MATERIAL.
- DISPOSE OF SUBSOIL REMOVED FROM LANDSCAPE EXCAVATIONS AT AN OFF-SITE LOCATION. DO NOT MIX WITH PLANTING SOIL.
- MIX SPECIFIED SOIL AMENDMENTS AND FERTILIZERS WITH TOPSOIL, OR SOIL CONDITIONER WITH EXISTING SURFACE SOIL AT RATES SPECIFIED.
- LAYOUT SHRUB AND GROUNDCOVER PLANTING BEDS ON THE GROUND TO THE LINES SHOWN ON THE DRAWINGS, HAVE LAYOUT APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTING THE BED. OUTLINE BED WITH A TRENCH EDGE AS SHOWN ON THE DRAWINGS. PLACE SOIL FROM TRENCH EDGE WITHIN BED AREA. LOOSEN EXISTING SOIL TO A MINIMUM DEPTH OF TWELVE (12) INCHES USING A ROTO TILLER OR SIMILAR EQUIPMENT. REMOVE ALL STICKS, STONES, RUBBISH, AND OTHER MATERIAL DETRIMENTAL TO PLANT GROWTH. SPREAD FOUR (4) INCH MINIMUM LAYER OF PLANTING SOIL MIX OVER ENTIRE BED AREA. (ADDITIONAL SOIL MIX MAY BE NECESSARY TO BUILD SHRUB BEDS TO GRADE AS SHOWN ON THE DRAWINGS). WORK PLANTING SOIL MIX INTO TOP OF LOOSENED SOIL WITH ROTO TILLER.
- EXCAVATE ANNUAL COLOR AND PERENNIAL BEDS TO A DEPTH OF FOUR (4) INCHES, BREAK THROUGH HARD PAN' AND REMOVE ALL STONE, ROOTS, DEBRIS, ETC. REMOVE EXCAVATED SOIL, ROTO TILL EXCAVATED BED TO A DEPTH OF SIX TO EIGHT (6-8) INCHES. SLOPE THE BASE OF THE BED TO THE TRENCH EDGE. SPREAD SIX (6) INCH MINIMUM LAYER OF PLANTING SOIL MIX OVER ENTIRE BED. WORK PLANTING SOIL MIX INTO TOP OF LOOSENED SOIL WITH ROTO TILLER. PLACE ADDITIONAL PLANTING SOIL MIX TO BUILD UP BED A MINIMUM OF SIX (6) INCHES ABOVE EXISTING GRADE FOR ANNUAL COLOR BEDS AND FOUR (4) INCHES ABOVE EXISTING GRADE FOR PERENNIAL BEDS. ROTO TILL ENTIRE BED TO A DEPTH OF TWELVE (12) INCHES.
- LOOSEN THE GRADE OF LAWN AREAS TO A MINIMUM DEPTH OF SIX (6) INCHES. REMOVE STONES OVER ONE AND ONE-HALF (1 1/2) INCHES IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER. LIMIT PREPARATION TO AREAS WHICH WILL BE PLANTED PROMPTLY AFTER PREPARATION. ALLOW FOR SOD THICKNESS IN AREAS TO BE SODDED, GRADE LAWN AREAS TO SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES AND FILL DEPRESSIONS AS REQUIRED TO MEET FINISH GRADES. LIMIT FINE GRADING TO AREAS WHICH CAN BE PLANTED IMMEDIATELY AFTER GRADING.

- SET BALLED AND BURLAPPED (B4B) STOCK ON LAYER OF COMPACTED EXCAVATED EXISTING SOIL, PLUMB AND IN CENTER OF PIT OR TRENCH WITH TOP OF BALL TWO TO THREE (2-3) INCHES ABOVE THE FINISH GRADE, AND ALSO TWO TO THREE (2-3) INCHES ABOVE THE GRADE THEY BORE TO NATURAL GRADE BEFORE TRANSPLANTING. REMOVE ALL STRAPS AND ROPES MADE OF MAN-MADE FIBERS COMPLETELY FROM ROOTBALL. LOOSEN AND REMOVE BURLAP AND BIODEGRADABLE ROPES FROM TOP HALF OF ROOTBALL. CUT AND REMOVE THE TOP HALF OF ALL WIRE BASKETS BEFORE BACKFILLING. USE PLANTING SOIL MIXTURE TO BACKFILL PLANT PITS. WHEN PLANTS ARE SET, PLACE ADDITIONAL BACKFILL AROUND BASE AND SIDES OF BALL, AND WORK EACH LAYER TO SETTLE BACKFILL AND ELIMINATE VOIDS AND AIR POCKETS. WHEN EXCAVATION IS APPROXIMATELY TWO THIRDS (2/3) FULL, WATER THOROUGHLY BEFORE PLACING REMAINDER OF BACKFILL. REPEAT WATERING UNTIL NO MORE IS ABSORBED. WATER AGAIN AFTER PLACING FINAL LAYER OF BACKFILL.
- SET CONTAINER GROWN STOCK AS SPECIFIED FOR BALLED AND BURLAPPED STOCK, EXCEPT REMOVE CONTAINERS, WITHOUT DAMAGING ROOTBALLS, PRIOR TO BACKFILLING.
- STAKE AND GUY TREES IMMEDIATELY AFTER PLANTING AS INDICATED ON DRAWINGS, PLANTS SHALL BE PLUMB AFTER STAKING OR GUYING. MAINTAIN STAKES, WIRES AND GUYS UNTIL FINAL ACCEPTANCE OF THE WORK.
- EXCAVATE LARGE ENOUGH AREA IN LOOSENED SOIL TO INSTALL SPECIFIED CONTAINER GROWN SHRUB AND GROUND COVER PLANTS. REMOVE CONTAINERS WITHOUT DAMAGING THE ROOTBALL AND SET IN EXCAVATED HOLE. PLACE CONTAINER GROWN PLANT IN EXCAVATED HOLE WITH TOP OF ROOTBALL EVEN WITH FINAL SHRUB BED ELEVATION. BACKFILL ROOTBALL WITH SOIL FROM THE BED AND LIGHTLY COMPACT SOIL AROUND PLANT TO ELIMINATE VOIDS AND AIR POCKETS.
- MULCHING: IMMEDIATELY AFTER PLANTING, MULCH TREEPITS, TRENCHES AND PLANTING BEDS WITH A MINIMUM DEPTH OF THREE (3) INCHES OF PINE STRAW. FINISH EDGES ACCORDING TO THE DRAWINGS. REMOVE ALL MULCH FROM FOILAGE OF PLANTS.
- WATERING: SOAK ALL PLANTS AND ENTIRE PLANTING BED AREA IMMEDIATELY AFTER PLANTING. CONTINUE WATERING THEREAFTER AS NECESSARY UNTIL DATE OF SUBSTANTIAL COMPLETION.

| GRASS SEEDING SCHEDULE | | | | |
|------------------------|-----------------------------|--------------------|---|---------------------------|
| SEED TYPE | SEEDING RATE LBS/1000 SF | PLANTING DATES | VISIBLE SEEDLING STAND UNDER IDEAL CONDITIONS | ULTIMATE MOWING HEIGHT |
| COMMON BERMUDA | 2-3 | MAY 1 - AUG. 15 | 12 DAYS* | 1 1/4" - 1" |
| TALL FESCUE | 6-8 | SEPT. 15 - NOV. 15 | 8 DAYS* | 2 - 2 1/4" |
| ANNUAL RYEGRASS | 4-6 | OCT. 1 - MAR. 1 | 6 DAYS* | 2 - 2 1/2" |
| BAHIA | 4-5 | FEB. 15 - AUG 31 | 8 DAYS | 2 - 3" |

*PLANTING DATES FOR TYPE 1-3 ARE FOR ATLANTA/NORTH GEORGIA REGION ONLY. THESE DATES DIFFER FOR OTHER AREAS WHERE SEASONAL VARIATIONS REQUIRE MODIFICATION. ACCORDING TO THE PLANT HARDINESS ZONE MAP PUBLISHED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE, 1940, THESE DATES REFER TO ZONES 7A AND 7B.

- IF SEED BED IS LEFT SLIGHTLY ROUGH OR FURROWED, NO "PLANTING" OF THE SEED IS NECESSARY. IF SEED BED IS SMOOTH AND VERY DRY, THE SEED SHOULD BE LIGHTLY RAKED INTO THE TOP QUARTER (1/4) INCH OF SEED BED.
- PROTECT SEEDDED AREAS WITH SLOPES NOT EXCEEDING 1:5 BY SPREADING WHEAT STRAW OR HAY MULCH. THE QUANTITY OF MULCH TO BE APPLIED SHALL BE THAT TO UNIFORMLY FORM A CONTINUOUS BLANKET AT LEAST THREE-QUARTERS (3/4) OF AN INCH AND NOT MORE THAN ONE AND ONE-HALF (1 1/2) INCHES IN LOOSE DEPTH OVER THE SEEDDED AREA. SPREAD BY HAND, BLOWER, OR OTHER SUITABLE EQUIPMENT.
 - BOND STRAW MULCH BY SPRAYING WITH ASPHALT EMULSION AT A RATE OF 10 TO 13 GAL/1000 SQ. FT. TAKE PRECAUTIONS TO PREVENT DAMAGE OR STAINING OF STRUCTURES OR OTHER PLANTINGS ADJACENT TO MULCHED AREAS. IMMEDIATELY CLEAN DAMAGED OR STAINED AREAS.
- PROTECT SEEDDED AREAS WITH SLOPES EXCEEDING 1:5 WITH EROSION-CONTROL FIBER MESH AND 1/8 WITH EROSION-CONTROL BLANKETS INSTALLED AND STAPLED ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
- HYDROSEEDING: MIX SPECIFIED SEED, FERTILIZER, AND FIBER MULCH IN WATER, USING EQUIPMENT SPECIFICALLY DESIGNED FOR HYDROSEED APPLICATION. CONTINUE MIXING UNTIL UNIFORMLY BLENDED INTO HOMOGENEOUS SLURRY SUITABLE FOR HYDRAULIC APPLICATION.
 - MIX SLURRY WITH NONASPHALTIC TACKIFIER.
 - APPLY SLURRY UNIFORMLY TO ALL AREAS TO BE SEEDDED IN A ONE-STEP PROCESS. APPLY MULCH AT A MINIMUM RATE OF 1500-LB/ACRE DRY WEIGHT BUT NOT LESS THAN THE RATE REQUIRED TO OBTAIN SPECIFIED SEED-SOWING RATE.
- THOROUGHLY MOISTEN SEEDDED AREA IMMEDIATELY AFTER SEEDING. IF RAINFALL IS INSUFFICIENT LIGHTLY WATER PLANTING AREA UNTIL GRASS IS ESTABLISHED.
- PROTECT SEEDDED AREAS FROM TRAFFIC AND DISTURBANCE.
- SCARIFY, RE SEED AND BE FERTILIZE SEEDDED AREAS THAT DO NO SHOW SATISFACTORY GROWTH WITHIN FIFTEEN (15) DAYS AFTER SOWING, UNTIL A SATISFACTORY STAND IS ESTABLISHED. SEEDDED AREAS ARE CONSIDERED ESTABLISHED WHEN A DENSE GRASS STAND HAS DEVELOPED OF A UNIFORM GREEN COLOR, REASONABLY FREE FROM WEEDS, THE SPECIFIED GRASS IS VIGOROUS AND GROWING WELL, AND NO BARE SPOTS LARGER THAN ONE (1) SQUARE FOOT AREA IS APPARENT. FULL COVERAGE IS REQUIRED IN THIRTY (30) DAYS. IRREGULARITIES RESULTING FROM DISEASES AND INSECT INFESTATION ARE UNACCEPTABLE. MOW GRASS AT HEIGHT SPECIFIED IN SEEDING SCHEDULE.
- AFTER TWO (2) OR THREE (3) MOWINGS THE NEW LAWN SHALL BE FERTILIZED WITH AMMONIUM NITRATE AT THE RATE OF F 50 LBS/ACRE. NITROGEN SHALL BE APPLIED WITH MECHANICAL HAND SPREADER CAPABLE OF PRODUCING UNIFORM COVERAGE. ONE (1) APPLICATION IS MANDATORY. NITROGEN SHALL NOT BE APPLIED BETWEEN OCTOBER 15 AND MARCH 15, UNLESS NOTED OTHERWISE.

- SODDING NEW LAWNS:
 - WATER SOIL PRIOR TO RECEIVING SOD. AT THE TIME OF SOD PLACEMENT SOIL MUST BE MOIST BUT NOT SATURATED.
 - LAY SOD WITHIN TWENTY-FOUR (24) HOURS FROM TIME OF STRIPPING SOD AT SOD FARM. IF NOT POSSIBLE, SOD MAY BE STORED ON SITE UP TO THIRTY-SIX (36) HOURS AFTER STRIPPING PROVIDED SOD IS PROPERLY PROTECTED. UNSTACK, UNROLL AND PLACE IN SHADE AND KEEP MOIST UNTIL INSTALLATION.
 - DO NOT PLANT DORMANT SOD.
 - DO NOT PLANT SOD ON FROZEN GROUND.
 - LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. SNUGLY FIT ENDS AND SIDES OF SOD STRIPS. DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. WORK FROM BOARDS TO AVOID DAMAGE TO SUBGRADE OR SOD. TAMP OR ROLL LIGHTLY TO ENSURE CONTACT WITH SUBGRADE. WORK SIFTED SOIL INTO MINOR CRACKS BETWEEN PIECES OF SOD; REMOVE EXCESS TO AVOID SMOTHERING OF ADJACENT GRASS.
 - ANCHOR SOD WITH WOOD PEGS TO PREVENT SLIPPAGE ON SLOPES EQUAL TO OR GREATER THAN 3:1 AND WHEREVER SLIPPAGE CAN BE ANTICIPATED. LAY SOD PERPENDICULAR TO SLOPE DIRECTION WITH STAGGERED JOINTS.
 - WATER SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING UNTIL SOIL IS DAMP TO A DEPTH OF FOUR (4) INCHES. IF RAINFALL IS INSUFFICIENT, KEEP SODDED AREA MOIST UNTIL GRASS HAS SECURELY ROOTED INTO THE PLANTING AREA.
- MAINTAIN TREES, SHRUBS, LAWNS AND OTHER PLANTS BY WATERING, PRUNING, CULTIVATING, WEEDING, AND RE-MULCHING AS REQUIRED FOR HEALTHY GROWTH. RESTORE TRENCH EDGES AROUND MULCH RINGS AND ALONG BED LINES. TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.
- UPON COMPLETION OF WORK, CLEAR GROUNDS OF DEBRIS SUPERFLUOUS MATERIALS AND ALL EQUIPMENT. REMOVE FROM SITE TO SATISFACTION OF LANDSCAPE ARCHITECT AND OWNER.
 - PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED, AT NO ADDITIONAL COST TO OWNER.
 - THEFT: CONTRACTOR IS RESPONSIBLE FOR THEFT OF PLANT MATERIAL AT THE PROJECT SITE BEFORE, DURING AND AFTER PLANTING, UNTIL THE DATE OF SUBSTANTIAL COMPLETION OF THE WORK.