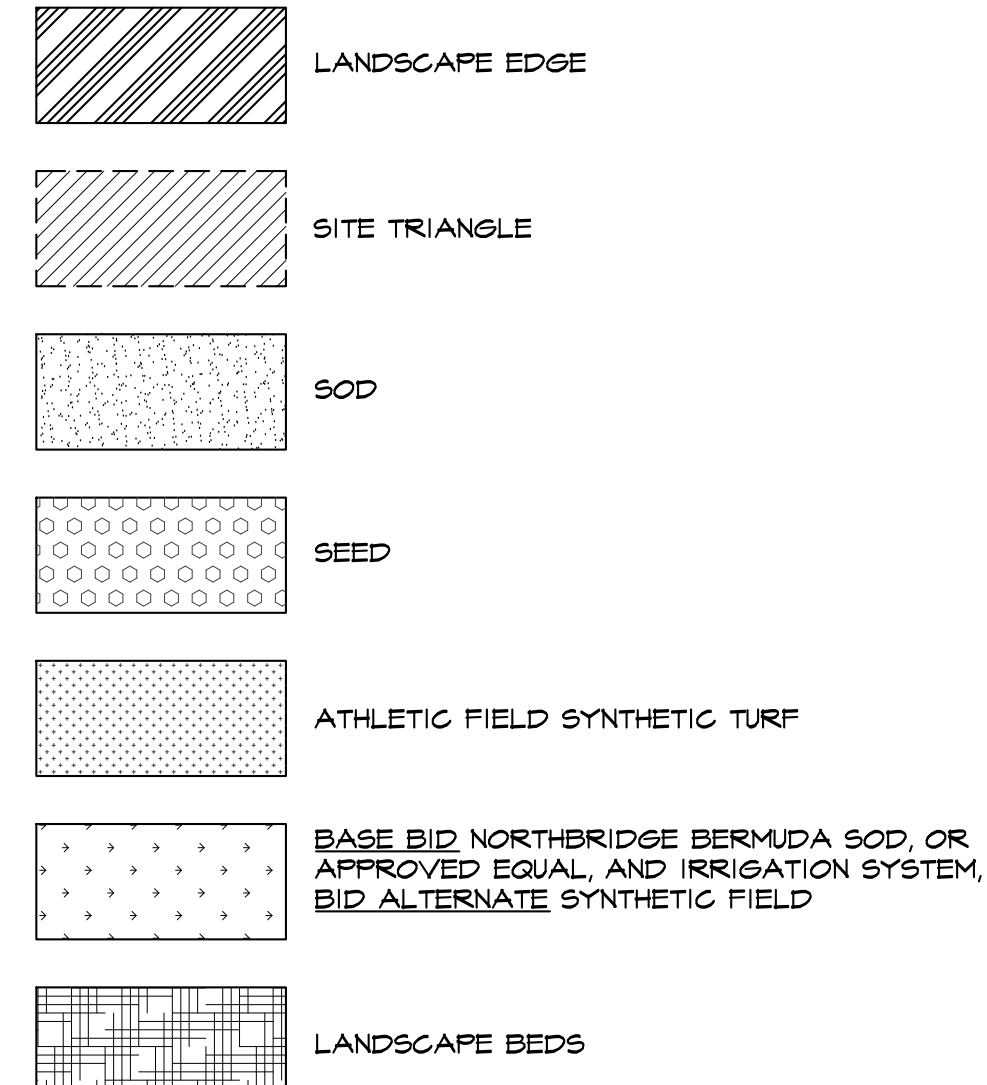


CITY OF BROKEN ARROW
LANDSCAPE REQUIREMENTS

- LANDSCAPE EDGE: 1 TREE/ 50 LF.
 - EAST DETROIT STREET, 714 LF.
 - TREES REQUIRED: 14
 - TREES PROPOSED: 14
 - NORTH 4TH STREET, 471 LF.
 - TREES REQUIRED: 20
 - TREES PROPOSED: 20
- INTERIOR PARKING LOT:
 - ONE TREE/ 15 PARKING SPACES (2" CALIPER, MINIMUM)
 - PARKING LOT A:
 - TOTAL SPACES = 48, TREES REQUIRED: 3
 - TOTAL SPACES = 48, TREES PROPOSED: 4
 - PARKING LOT B:
 - TOTAL SPACES = 26, TREES REQUIRED: 2
 - TOTAL SPACES = 26, TREES PROPOSED: 2
- LANDSCAPE ISLAND SHALL MEET OR EXCEED 10' WIDTH (MEASURED FROM BACK OF CURB).
- LANDSCAPE ISLAND SHALL CONTAIN 180 SF, MINIMUM.
- PARKING LOT LANDSCAPED AREAS SHALL BE PROTECTED BY A RAISED 6" CURB.
- PAVEMENT SHALL NOT BE PLACED CLOSER THAN 4.5' FROM THE TRUNK OF A TREE.
- FOR SITE PLANS GREATER THAN 2.5 ACRES, NO PARKING SPACE SHALL BE LOCATED MORE THAN 75' FROM A (80 SF MINIMUM (10' WIDTH MINIMUM) LANDSCAPED AREA. REQUIREMENT MET.
- NO TREE SHALL BE PLANTED WITHIN AN ARTERIAL STREET RIGHT-OF-WAY.
- NO TREE SHALL BE PLANTED WITHIN STREET INTERSECTION SIGHT TRIANGLE.
- NO TREE SHALL BE PLANTED WITHIN 10' OF ANY FIRE HYDRANT.
- NO TREES, OTHER THAN THOSE SPECIES IDENTIFIED AS SMALL TREES BY THE CITY OF BROKEN ARROW SHALL BE PLANTED UNDER OR WITHIN 20' LATERAL FEET OF OVERHEAD UTILITY WIRE, OR OVER OR WITHIN 5' LATERAL FEET OF ANY UNDERGROUND PUBLIC UTILITY LINE.
- CONFORM TO CITY OF BROKEN ARROW DEVELOPMENT STANDARDS, CODES AND REQUIREMENTS.
- REQUIRED NEW LANDSCAPING SHALL BE IRRIGATED.

LEGEND

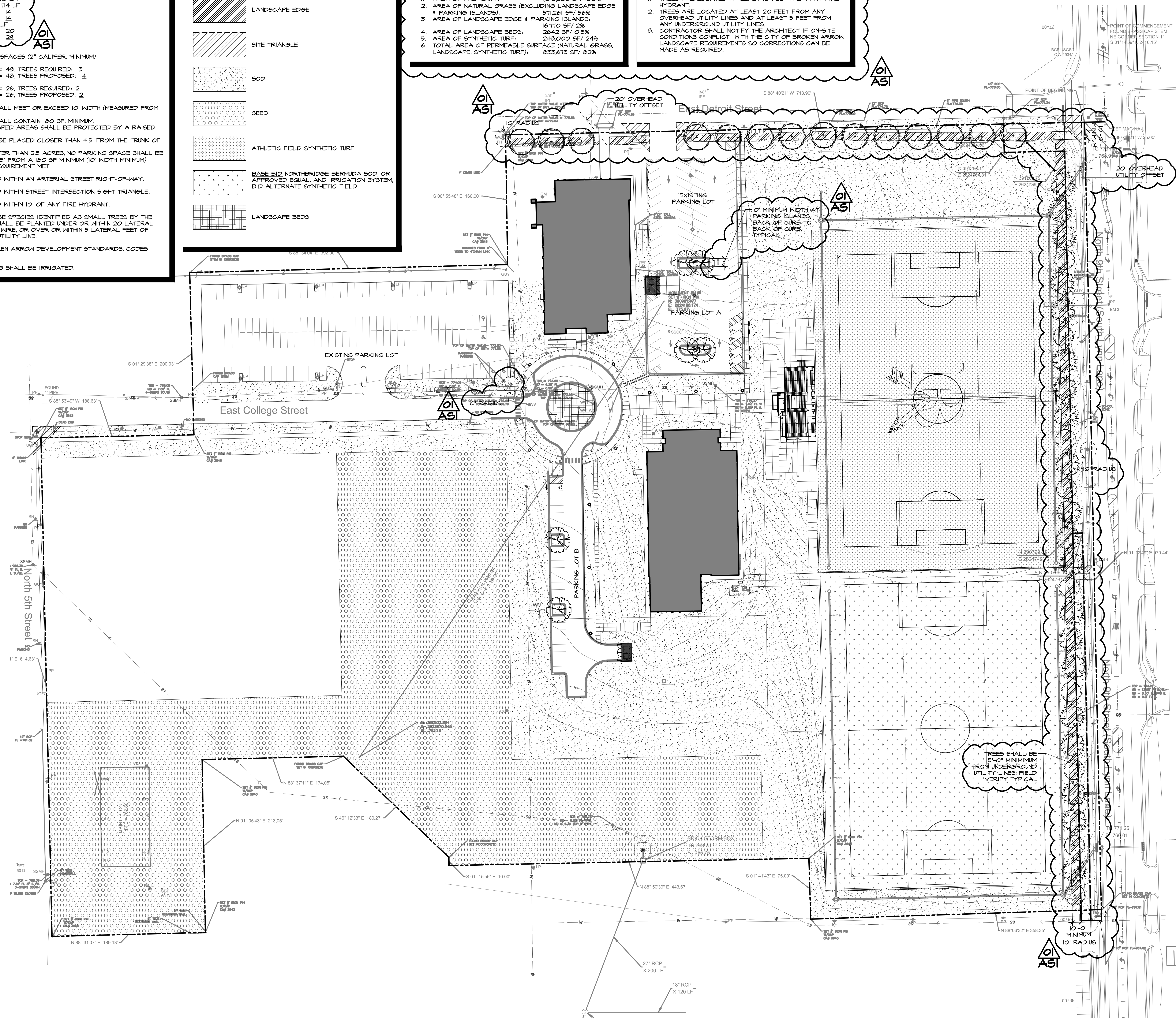


SITE AREA CALCULATIONS

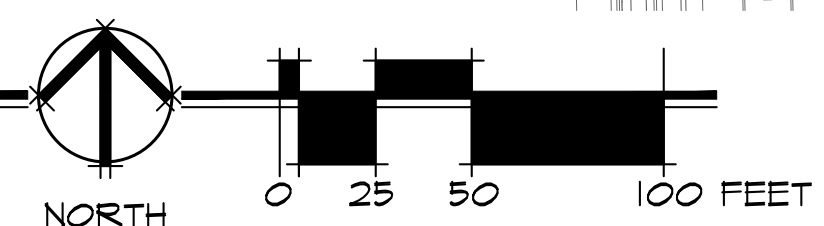
- AREA OF PROPERTY: 1,016,603 SF/ 100%
- AREA OF NATURAL GRASS (EXCLUDING LANDSCAPE EDGE & PARKING ISLANDS): 571,261 SF/ 56%
- AREA OF LANDSCAPE EDGE & PARKING ISLANDS: 16,770 SF/ 2%
- AREA OF LANDSCAPE BEDS: 26,422 SF/ 2.6%
- AREA OF SYNTHETIC TURF: 249,000 SF/ 24%
- TOTAL AREA OF PERMEABLE SURFACE (NATURAL GRASS, LANDSCAPE, SYNTHETIC TURF): 833,673 SF/ 82%

TREE LOCATION NOTES

- TREES ARE LOCATED AT LEAST 10 FEET FROM ANY FIRE HYDRANT.
- TREES ARE LOCATED AT LEAST 20 FEET FROM ANY OVERHEAD UTILITY LINES AND AT LEAST 5 FEET FROM ANY UNDERGROUND UTILITY LINES.
- CONTRACTOR SHALL NOTIFY THE ARCHITECT IF ON-SITE CONDITIONS CONFLICT WITH THE CITY OF BROKEN ARROW LANDSCAPE REQUIREMENTS SO CORRECTIONS CAN BE MADE AS REQUIRED.

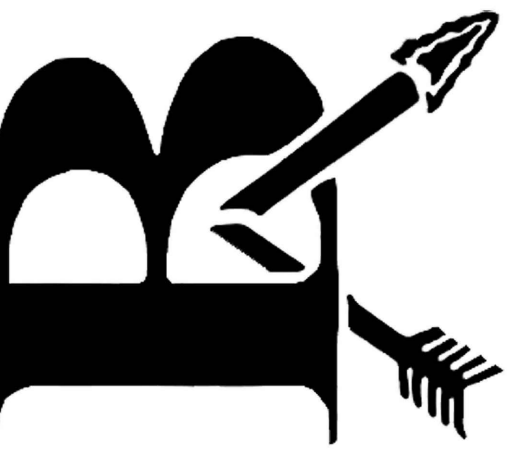


A LANDSCAPE REQUIREMENTS
1"=50'-0"



GH2
ARCHITECTS

BROKEN ARROW
PUBLIC SCHOOLS



Kirkland Activity Complex
808 E. College St.

**LANDSCAPE
REQUIREMENTS**

GH2ARCHITECTS

320 S Boston Ave, Suite
100
Tulsa, Oklahoma 74103
918.587.6158



PROJECT #: 20150002

ISSUE DATES:
03/01/2017 CONSTRUCTION DOCUMENT
03/16/2017 ADDENDUM A
04/13/2017 ASI #01

L101

© 2017 COPYRIGHT GH2 ARCHITECTS, LLC

1. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING TO DETERMINE THE EXTENT AND NATURE OF THE CONDITIONS WITHIN WHICH WORK MUST BE ACCOMPLISHED.
2. CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF UTILITIES PRIOR TO STARTING ANY WORK.
3. MAINTAIN UTILITY SERVICES AND PROTECT THEM AGAINST DAMAGE DURING CONSTRUCTION.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE UTILITIES (OVERHEAD AND BURIED) WHICH MAY OCCUR DUE TO HIS OR HER WORK.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL SEEK ASSISTANCE OF LOCAL UTILITIES IN LOCATING THE UTILITIES PRIOR TO PERFORMING ANY WORKS IN THE VICINITY OF THE UTILITIES.
6. CONTRACTOR SHALL VERIFY LANDSCAPE MATERIAL QUANTITIES AND SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. PLANT SUBSTITUTIONS ARE PERMITTED UPON APPROVAL FROM THE LANDSCAPE ARCHITECT.
8. CONTRACTOR SHALL LOCATE UPLANT PLANTS IN THE FIELD AND SHALL HAVE THE LAYOUT APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PROCEEDING WITH THE INSTALLATION.
9. PLANTING BEDS SHALL CONTAIN 3-INCHES OF MULCH CONTINUOUSLY BETWEEN PLANTS.
10. PLANTING BEDS SHALL BE LOWERED AT EDGE AS NEEDED TO PROVIDE FOR DRAINAGE TO THE TOP OF THE BED.
11. TREES SHALL RECEIVE 4-INCHES MINIMUM OF MULCH; 24-INCH RADIUS AROUND TRUNK.
12. TREES SHALL BE SECURED WITH BELOW-GRADE STABILIZATION SYSTEM.
13. SEPARATE INDIVIDUAL MULCHED TREES FROM TURF AREAS WITH A 45-DEGREE 4- TO 6-INCH DEEP SHOVEL-OUT EDGE.
14. CONTRACTOR SHALL SUBMIT TREE LIST LANDSCAPE WORK AND PLANT MATERIAL FOR A MINIMUM OF ONE (1) MONTH PRIOR TO DATE OF ACCEPTANCE OF THE WORK BY THE OWNER.
15. PLANT MATERIAL WHICH DIES DURING THE ONE YEAR GUARANTEE PERIOD SHALL BE REPLACED AT THE DISCRETION OF THE CONTRACTOR DURING NORMAL PLANTING SEASONS.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE PLANTING MATERIALS THROUGHOUT THE PROJECT AND ACCEPTANCE BY THE OWNER.
17. PLANT NAMES ON THE PLANT LIST CONFORM TO THE STANDARDIZED NAMES PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE OR TO NAMES GENERALLY ACCEPTED IN THE NURSERY TRADE.
18. PLANT MATERIAL SHALL BE SPECIMEN QUALITY STOCK AS DETERMINED IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, FREE OF PLANT DISEASES AND PESTS AND FREE OF PHYSICAL DEFECTS OF THE SPECIES AND HAVING A HEALTHY, NORMAL ROOT SYSTEM.
19. SIZES INDICATED ON THE PLANT LIST ARE THE MINIMUM ACCEPTABLE SIZES.
20. PLANTS SHALL NOT BE PRUNED PRIOR TO DELIVERY TO THE SITE OR AFTER INSTALLATION EXCEPT FOR THOSE BRANCHES THAT HAVE BEEN DAMAGED IN SOME MANNER.
21. PLANTS SHALL NOT HAVE NAME TAGS REMOVED PRIOR TO FINAL INSPECTION.
22. GRASS AND SOD AREAS DISTURBED BY CONSTRUCTION.
23. TOPSOIL DEPTH IN SOD AREAS SHALL BE 6-INCHES, MINIMUM.
24. SOILS COMPACTED MORE THAN 80% STANDARD PROCTOR DENSITY AS DETERMINED BY CONSTRUCTION SHALL BE REWORKED TO MEET SPECIFIED DRIP LINES AND LANDSCAPE AREAS SHALL BE RESTORED TO A CONDITION CONDUCTIVE TO PROMOTE LONG TERM PLANT HEALTH.
25. RESTORATION METHODS SHALL BE AS RECOMMENDED BY A CERTIFIED LANDSCAPE ARCHITECT AND SHALL BE IN ACCORDANCE WITH THE LATEST PRACTICES.
26. REPLACEMENT DAMAGED LANDSCAPE, OR LANDSCAPE WHICH DIES AS A RESULT OF CONSTRUCTION OPERATIONS, WITH EQUIVALENT LANDSCAPE MATERIAL MUST BE REPLACED WITHIN 90 DAYS.
27. MATURE TREES TO REMAIN REQUIRING REPLACEMENT AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE APPRAISED BY A PROFESSIONAL APPRAISER. THE REPLACEMENT ASSIGNED SHALL BE CREDITED TO THE OWNER BY THE CONTRACTOR.

QTY	COMMON NAME	BOTANICAL NAME	SIZE/ NOTES
14	SHUMARD OAK	<i>Quercus shumardii</i>	2 1/2" caliper
6	KEITH DAVEY PISTACHE	<i>Pistacia chinensis</i> Keith Davey	2 1/2" caliper
9	OKLAHOMA REDBUD	<i>Cercis canadensis</i>	2 1/2" caliper
20	EASTERN WHITE PINE	<i>Pinus strobus</i>	1 1/2" height
701 EACH	MEXICAN FEATHER GRASS	<i>Nassella tenuissima</i>	2' o/c, spacing, 7 1/2" x 2 1/2" SF

