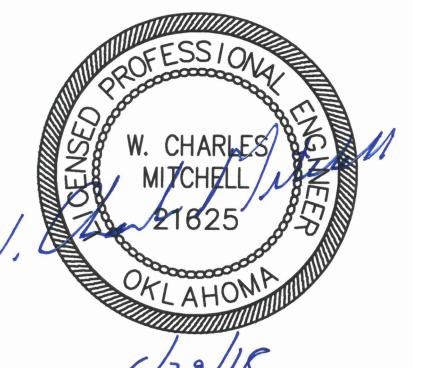




10 SOUTH CINCINNATI
SECOND FLOOR
ULSA, OK 74119
18.877.6000
www.cyntergy.com



CYNTERGY ENGINEERING, PLLC
CA # 3537
EXPIRES 6/30/2020
W. CHARLES MITCHELL, P.E.
ENGINEER OF RECORD



East Detroit Street

East Detroit Street

East Elgin Street

—

```html

—

# North 1st Street East

# *North 1st Street East*

10' 2'  
SCALE 1" = 10' 0"

## LANDSCAPE CRITERIA

---

ZONING - DM (MIXED USE)  
LANDSCAPE EDGE = N/A

## TREES

FREE NOTES

**TREE NOTES:**

THE LARGE AND MEDIUM TREES SHOWN ON THIS PLAN ARE NOT WITHIN 20 FEET OF ANY ABOVE GROUND UTILITY LINES AND NOT WITHIN 5 FEET OF ANY PUBLIC UNDERGROUND UTILITY LINES. THE UTILITY LINES SHOWN ON THESE PLANS USED TO VERIFY THIS REQUIREMENT, ARE BASED ON LOCATIONS DETERMINED AND MARKED BY OKIE PROVIDED

NO LARGE OR MEDIUM TREES ON THIS PLAN ARE WITHIN 10 FEET OF ANY FIRE HYDRANT.

#### LANDSCAPING SITE DATA

| LANDSCAPING SITE DATA |                        |       |
|-----------------------|------------------------|-------|
| TOTAL AREA            | 90,000 S.F. (2.07 AC.) |       |
| PERVIOUS AREA         | 6,788 S.F. (0.16 AC.)  | 0.08% |
| IMPERVIOUS AREA       | 83,212 S.F. (1.91 AC.) | 0.92% |

---

Digitized by srujanika@gmail.com

| Landscape Schedule |        |                                                          |                                   |                      |
|--------------------|--------|----------------------------------------------------------|-----------------------------------|----------------------|
| USE                | SYMBOL | COMMON NAME<br>Botanical Name                            | MINIMUM SIZE/<br>HEIGHT/SPREAD    | QUANTITIES<br>(EACH) |
| SHRUBS             |        | GREEN VELVET BOXWOOD<br><i>Buxus sempervirens</i>        | 3-GALLON<br>CONTAINER             | 91                   |
|                    |        | INKBERRY HOLLY<br><i>Ilex glabra 'Compacta'</i>          | 3-GALLON<br>CONTAINER             | 40                   |
|                    |        | JAPANESE BOXWOOD<br><i>Buxus microphylla</i>             | 3-GALLON<br>CONTAINER             | 19                   |
| FLOWERING ANNUALS  |        | DAY LILLY<br><i>Hemerocallis</i>                         | 1-GALLON<br>CONTAINER             | 44                   |
| GRASS              |        | BLUE FESCUE<br><i>Festuca Glauca</i>                     | 1 GALLON<br>CONTAINER             | 20                   |
| TREES              |        | WESTERN SOAPBERRY<br><i>Sapindus drummondii</i>          | 3" CALIPER<br>(2" MIN.)<br>10' HT | 4                    |
|                    |        | OKLAHOMA REDBUD<br><i>Cercis reniformis</i>              | 3" CALIPER<br>(2" MIN.)<br>10' HT | 4                    |
| MISC               |        | PLANTER BEDS<br>(DOUBLE SHREDDED<br>HARDWOOD BARK MULCH) |                                   | 6,788 SF<br>(754 SY) |
|                    |        | SOD                                                      |                                   | N/A                  |

## LANDSCAPE NOTE

- LANDSCAPE NOTES:**

  1. ALL DISTURBED EARTHEN AREAS SHALL BE RESTORED WITH 4" OF TOPSOIL. ALL DISTURBED EARTHEN AREAS THAT ARE NOT PLANTER BEDS SHALL BE SODDED.
  2. MAX 3:1 SLOPE SHALL BE ALLOWED IN LANDSCAPE AREAS.
  3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
  4. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES; DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
  5. CONTRACTOR TO REPORT ANY SOIL OR DRAINAGE CONDITION CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL.
  6. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE YEAT FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
  7. INSOFAR AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. THE CONTRACTOR SHALL PROTECT ALL STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN THREE DAYS. PLANTS UNPLANTED FOR LONGER THAN THREE DAYS SHALL BE REJECTED.
  8. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI 260 (REV. 1980) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
  9. ALL PLANTS SHALL BE PLANTED IN AMENDED TOP SOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES.
  10. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.
  11. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WIWTH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOP SOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAYED WITH "WILT-PRUF" OR EQUAL AS PER MANUFACTURER'S INSTRUCTIONS.
  12. NO PLANT EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
  13. SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT A NORMAL OR NATURAL RELATIONSHIP TOT HE BROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.
  14. CONTRACTOR SHALL PURCHASE AND USE ONLY SPECIES OF VEGETATION SPECIFIED ON THE LANDSCAPE PLAN. ANY DEVIATION IN PLANT TYPE, QUANTITY OR PLANT LOCATION, FROM THE PLAN IS TO BE APPROVED BY THE OWNERS REPRESENTATIVE.
  15. ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING UTILIZING CLEAN, SHARP TOOLS. PRUNE APPROXIMATELY 1/3 IF THE GROWTH IF LARGE TREES (2" CALIPER AND OVER) BY REMOVAL OF SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARR=ALLEL, ETC. MAIN LEADER OF TREES WILL NOT BE CUT BACK. LONG SIDE BRANCHES MUST BE SHORTENED.
  16. ALL PLANTING BEDS SHALL BE MULCHED WITH 3" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
  17. NEW PLANTING AREAS AND SOD SHALL BE ADEQUATELY IRRIGATED A OR WATERED TO ESTABLISH THE THE PROPOSED PLANTS AND LAWN.
  18. THE IRRIGATION SYSTEM LAYOUT, DESIGN AND PROGRAMING, BY OWNER.
  19. RE: LS501 FOR TREE AND SHRUB PLANTING, TREE STAKING AND EDGING DETAILS.

305 NORTH MAIN STREET

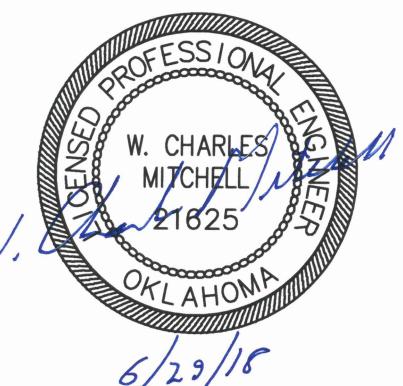
ROKEN ARROW, OK 74012

For more information, contact the Office of the Vice President for Research and Economic Development at 515-294-6450 or [research@iastate.edu](mailto:research@iastate.edu).

RE DATE: 06/29/2018  
JECT NO: CTBA170001001  
CKED BY: SAT  
W/N BY: CDC

## NAME \_\_\_\_\_

NUMBER  
**S101**



CYNTERGY ENGINEERING, PLLC  
CA # 3537  
EXPIRES 6/30/2020  
W. CHARLES MITCHELL, P.E.  
ENGINEER OF RECORD



## ROSE DISTRICT MIXED USE

305 NORTH MAIN STREET  
BROKEN ARROW, OK 74012

|                           |                    |
|---------------------------|--------------------|
| ISSUE DATE: 06/29/2018    | ENGINEERING PERMIT |
| PROJECT NO: CTBA170001001 |                    |
| CHECKED BY: SAT           |                    |
| DRAWN BY: CDC             |                    |
| REVISIONS                 |                    |

ISSUE DATE: 06/29/2018  
PROJECT NO: CTBA170001001

CHECKED BY: SAT  
DRAWN BY: CDC

LANDSCAPE DETAILS

SHET NUMBER

LS501

