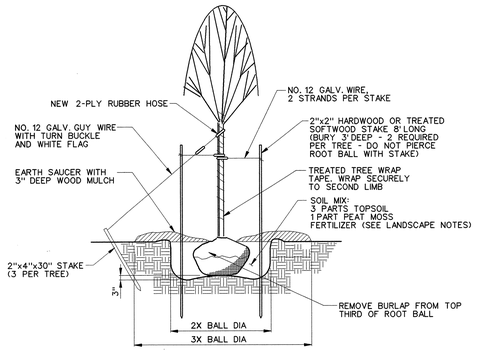
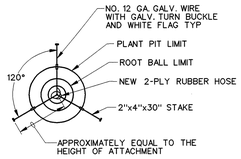


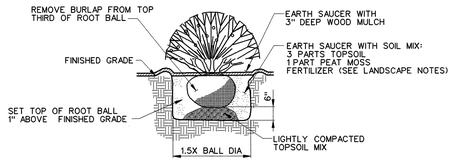

NOTES:

1. STAKE ONLY TREES LESS THAN 3½" CAL GUY TREES OF 3 ½" CAL OR LARGER
2. TOP OF ROOT BALL TO BE EQUAL OR SLIGHTLY HIGHER THAN EXTERIOR GRADE

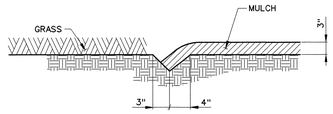
## 1 TREE PLANTING DETAIL
NTS




## DIAGRAM FOR TREE GUYING

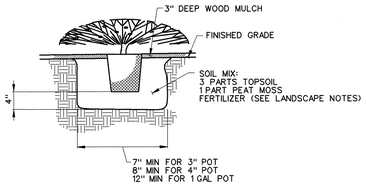



## 2 TYPICAL SHRUB PLANTING DETAIL
NTS

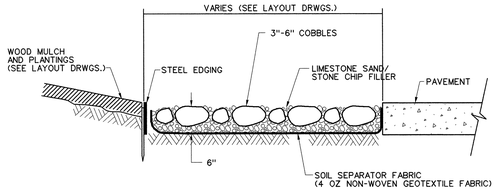



NOTE: USE TRENCH EDGING ON ALL MULCHED AREAS NEXT TO GRASSED AREAS.

## 3 CONTINUOUS TRENCH EDGING DETAIL
NTS




## 4 TYPICAL GROUNDCOVER PLANTING DETAIL
NTS

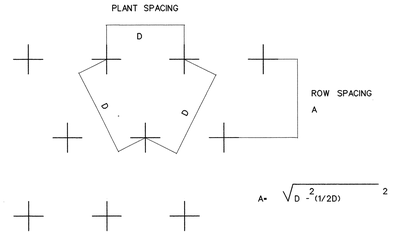



NOTE:

PLACE STEEL EDGING ON ALL SIDES OF MULCH LIMITS IF PAVEMENT OR BULDING IS NOT PRESENT.

## 5 RIVER COBBLE MULCH DETAIL
NTS

| PLANT SPACING (D) | ROW SPACING (A) |
|---|---|
| 6" O.C. | 5.2" |
| 8" O.C. | 6.93" |
| 10" O.C. | 8.66" |
| 12" O.C. | 10.4" |
| 15" O.C. | 13.0" |
| 18" O.C. | 15.6" |
| 24" O.C. | 20.8" |
| 30" O.C. | 26.0" |
| 36" O.C. | 30.0" |

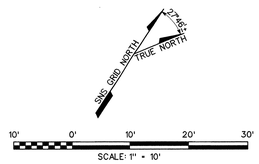



$A = \sqrt{D^2 - (1/2D)^2}$

## 6 TYPICAL SPACING PATTERN
NTS

NOTES

1. LIGTHS ARE SHOWN FOR LOCATION/PLACEMENT ONLY. SEE LANDSCAPE LIGHTING PLANS AND DETAILS FOR ELECTRICAL INFORMATION.
2. SEE RETAINING WALL FOUNDATION PLANS AND DETAILS FOR STRUCTURAL INFORMATIONS ON WALLS, STAINS, ETC.
3. PROVIDE MIN 3" DEEPS x 3" WIDE TURNDOWN AT ALL EDGES OF WALKS AND PLAZAS, UNLESS INDICATED OTHERWISE.




108031400-L8E-8600-A009

Knight / Jacobs
Knight/Jacobs Joint Venture
701 Scarboro Road, MS 8253
Oak Ridge, TN 37830
865-241-9433
fax 865-241-3400

BWSC Barge Waggoner Sumner & Cannon, Inc.
ENGINEERS ARCHITECTS PLANNERS LANDSCAPE ARCHITECTS AND SURVEYORS
800 Commerce Park Drive Suite 300, Oak Ridge, Tennessee 37830
Phone (865) 481-0795 Fax (865) 481-0795

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

NUMBER OF SECTION OR DETAIL — DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN
SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 4
ENGINEERING PROCEDURE SNS-ENG-G001

| REV | CHANGE TYPE | CHANGE CONTROL SYSTEM | CHANGE REQUEST NUMBER | DESCRIPTION | DSN | CHK | DEPT | DATE | PE | DATE | PJ | DATE | REQ | DATE | UTB | DATE | RPE | RPE NO | DATE | ST | CV | EC | EE | EM | IE | M | PD | SE | AR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | CERTIFIED FOR CONSTRUCTION - 5/15/2001 | JP | SF | | | | | | | | | | | JP | 419 | 05/15/01 | SC | AW | BS | RL | BS | BJ | -- | BS | -- | WS |

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE — DRAWING APPROVALS

| | | |
|---|---|---|
| DSGN | J. PFEIFER | 05/15/01 |
| DRW | K. LYNCH | 05/15/01 |
| CHKR | S. FRITTS | 05/15/01 |
| SECT | | |
| DEPT | | |
| PE | | 5/15/01 |
| PJ | | 5/15/01 |
| REQ | | |
| UTB | | 5/15/01 |

REV. 0 DATE 5/15/01

Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-000R22725
UT-BATTELLE, LLC. • Oak Ridge, Tennessee

PROJECT NAME:
SPALLATION NEUTRON SOURCE

CENTRAL LAB AND OFFICE BUILDING
LANDSCAPING DETAILS

| 1 | 48 | 49 | 50 | PLANT | BLDG | FL | SH. | OF | TYPE | CLASS |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | L | X | X | 8 | 8600 | X | 1 | 1 | S | U |

| 51 | 52 | 53 | WBS | DRAWING NUMBER | REV |
|---|---|---|---|---|---|
| NC | NA | IN | 1.8.3.14 | L5.35.01 | 0 |

05/11/01 05:02:36 PM
j:\700_cadd\task_01\task_01_35\740_plot\l5_35_01.dgn