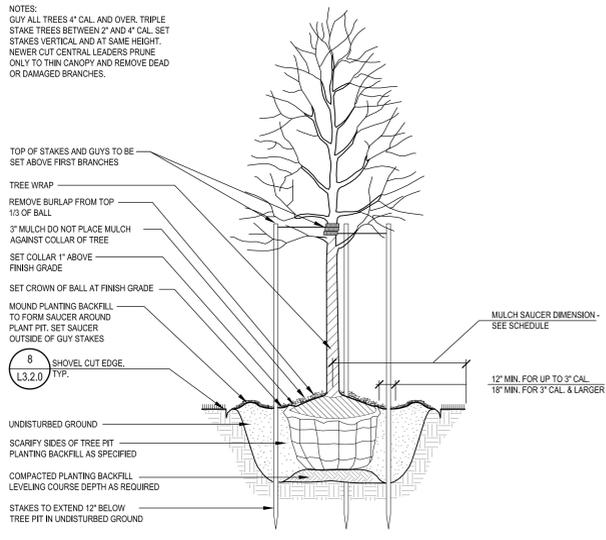


SCHEDULES

SIZE	STAKING	MULCH SAUCER DIMENSION
• UP TO 2" CAL.	• DOUBLE STAKE	• 4" DIA.
• 2" CAL. AND LARGER	• TRIPLE STAKE	• 5" DIA.

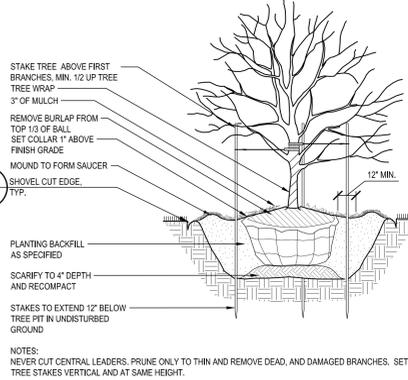
NOTES:
 GUY ALL TREES 4" CAL. AND OVER. TRIPLE STAKE TREES BETWEEN 2" AND 4" CAL. SET STAKES VERTICAL AND AT SAME HEIGHT. NEVER CUT CENTRAL LEADERS. PRUNE ONLY TO THIN CANOPY AND REMOVE DEAD OR DAMAGED BRANCHES.



1 SHADE TREE SCALE: N.T.S.

SCHEDULES

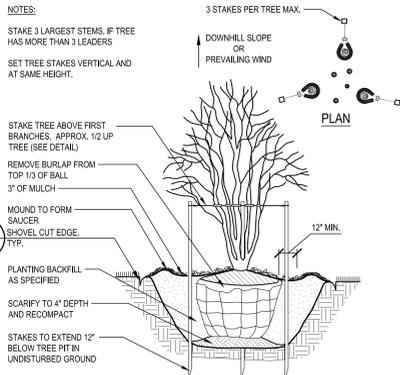
SIZE	STAKING	MULCH SAUCER DIMENSION
• UP TO 2" CAL.	• DOUBLE STAKE	• 4" DIA.
• 2" CAL. AND LARGER	• TRIPLE STAKE	• 5" DIA.



2 FLOWERING TREE (SINGLE STEM) SCALE: N.T.S.

SCHEDULES

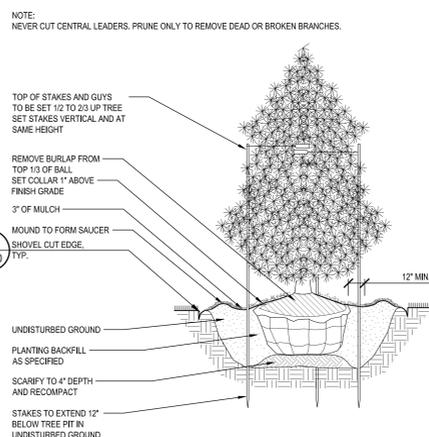
SIZE	STAKING / GUYING	MULCH SAUCER DIMENSION
• UP TO 8\"/>		



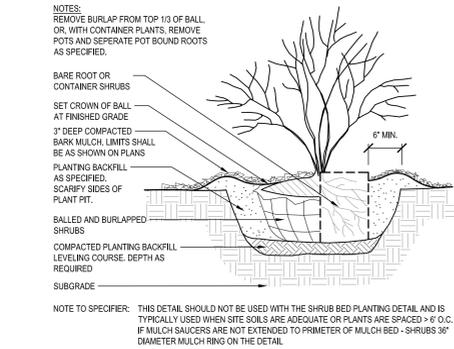
3 FLOWERING TREE (MULTI-STEM) SCALE: N.T.S.

SCHEDULES

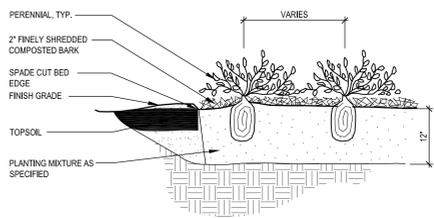
SIZE	STAKING / GUYING	MULCH SAUCER DIMENSION
• UP TO 6\"/>		



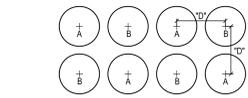
4 EVERGREEN TREE SCALE: N.T.S.



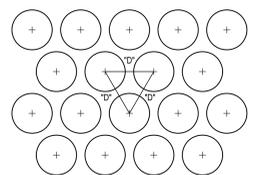
5 SHRUBS SCALE: N.T.S.



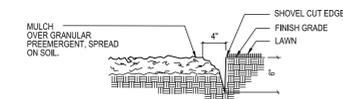
6 PERENNIALS, GRASSES, & GROUNDCOVER SCALE: N.T.S.



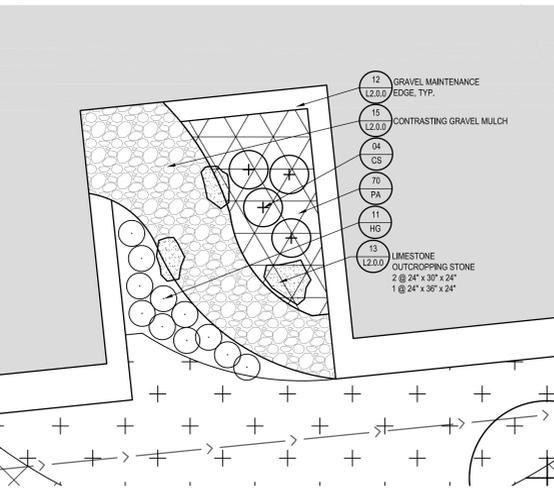
LAYOUT: 2 MIXED PERENNIALS



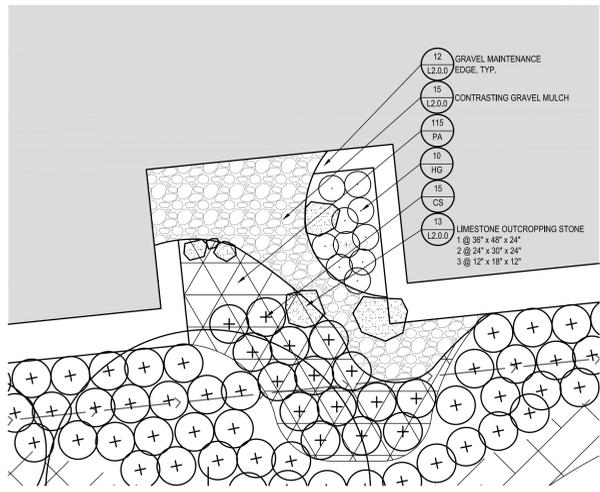
NOTE TO SPECIFIER:
 • IN NARROW BEDS OR WHERE RECTANGULAR BEDS ARE SHOWN WITHOUT INDIVIDUAL PLANT SYMBOLS - SPECIFY THE # OF ROWS ON THE PLANS.
 • THIS DETAIL SHOULD BE USED ON ALL PLANT DETAIL SHEETS WHERE SHRUBS, PERENNIALS & GROUNDCOVER ARE SPECIFIED.



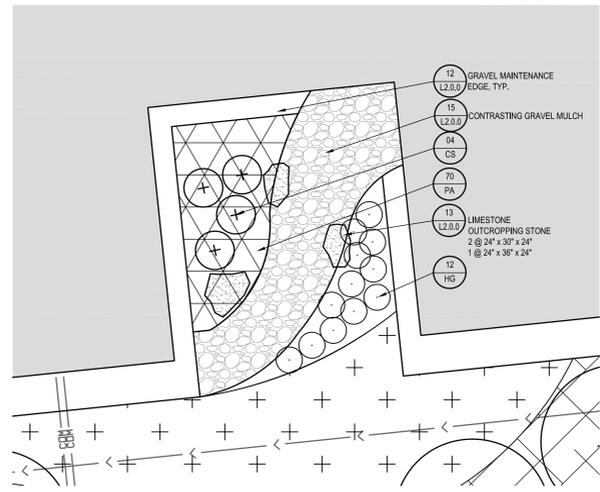
8 SHOVEL CUT PLANTING BED EDGE SCALE: N.T.S.



8 POCKET GARDEN ENLARGEMENT SCALE: 1" = 5'-0"



9 POCKET GARDEN ENLARGEMENT SCALE: 1" = 5'-0"



10 POCKET GARDEN ENLARGEMENT SCALE: 1" = 5'-0"

LANDSCAPE NOTES

- QUANTITIES LISTED ARE FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY VERIFYING PLANT MATERIAL QUANTITIES. ANY DISCREPANCIES BETWEEN THE PLAN AND PLANT LIST SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT PRIOR TO THE PRE-BID MEETING.
- ALL DISTURBED LAWN AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL CONDITION (INCLUDING TOPSOIL, SOD AND MULCH) AT NO ADDITIONAL COST TO THE OWNER.
- MINIMIZE CULTIVATION WITHIN THE DRILINES OF EXISTING TREES. HAND CULTIVATE WHEN ENCOUNTERING ROOTS. NO HEAVY EQUIPMENT ALLOWED WITHIN DRIFLINE OF EXISTING TREES.
- NO TREES, SHRUBS, OR PERENNIALS SHALL BE LOCATED WITHIN 24" OF ANY HARDSCAPE OR PAVING. THOSE AREAS SHALL BE MULCH.
- THE LAYOUT OF ALL TREES AND PLANTING BEDS SHALL BE MARKED BY THE CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT OR OWNER IN ADVANCE OF INSTALLATION. FLAGGING OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. THE LANDSCAPE ARCHITECT OR OWNER WILL REVIEW THESE LOCATIONS WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY. INTERNAL BED LAYOUT SHALL ALSO INCLUDE PERENNIAL GROUPINGS BY SPECIES.
- ALL PLANTING BEDS HAVE MINIMUM 12" NEW TOPSOIL. PLANTING BEDS SHALL BE DEFINED AS THOSE AREAS WHICH CONTAIN SHRUBS AND/OR PERENNIALS.
- PREPARE PLANTING BEDS PER SPECIFICATION 329300, 2.1.1.2 AND 3.3.B&C.
- ALL TREES SHALL BE SPECIMEN QUALITY (REFER TO ANSI Z60.1), VIGOROUS, DISEASE FREE, STRAIGHT TRUNKED, UNIFORM IN HABIT, AND WITH FIRM ROOTBALLS. SHRUBS SHALL BE FULL AND UNIFORM. PERENNIALS SHALL BE VIGOROUS AND WELL-ROOTED.
- PROVIDE SHADE TREES WITH MINIMUM 6' CLEARANCE BETWEEN BOTTOM OF TREE CROWN AND TOP OF ROOTBALL AND ORNAMENTAL TREES WITH MINIMUM 4' CLEARANCE BETWEEN BOTTOM OF TREE CROWN AND TOP OF ROOTBALL.
- MULCH ALL TREES WITH 3" DEPTH OF MULCH. MULCH ALL SHRUB PLANTING BEDS WITH 3" MULCH, AND 2" DEPTH IN PERENNIAL PLANTING AREAS.
- INSTALL EROSION CONTROL BLANKET ON ALL SLOPES 4:1 OR GREATER. SEE SPECIFICATIONS FOR TYPE.
- MULCH SHALL BE SHREDDED HARDWOOD BARK MULCH, CLEAN, DEVOID OF ANY DELETERIOUS MATERIALS, WITH NO PARTICLES LARGER THAN 2" IN ANY DIRECTION.
- WATER EACH TREE UTILIZING HORTICULTURAL TREE WATERING BAGS, SUCH AS GATOR BRAND BAGS. ALL BAGS WILL BECOME THE PROPERTY OF ARGONNE.
- WRAP ALL TREES IN FALL WITH TREE WRAP MADE OF DOUBLE SIDED CREPE PAPER WITH ASPHALTIC BINDER. TIE OFF WITH JUTE TWINE. REMOVE IN SPRING AFTER ALL DANGER OF FROST.
- MAINTAIN PLANTINGS PER SPECIFICATIONS FOR MINIMUM 1 YEAR AFTER SUBSTANTIAL COMPLETION.

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SEALS AND SIGNATURES

KEYPLAN

REV. NO.	DESCRIPTION	BY	APVD	DATE

Argonne
 NATIONAL LABORATORY

FMS
 Facilities Management Services

PROJECT TITLE ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY
 PROJECT NO 22378.000

PLANTING DETAILS

DESIGNED	AE CAD FILE	FACILITY
LV	L3.2.0	NOX3
DRAWN	AE DWG. NO.	
MD	L3.2.0	
CHECKED	CAD NO.	
PS/TP		
PROJECT MANAGER	DWG STATE	
ANL - JESSE ADAMS	BND ORDER	
DATE - 05/06/11		
FACILITY DOCUMENT NUMBER		
J446-101-W-	L3.2.0	