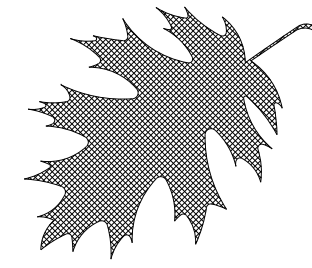
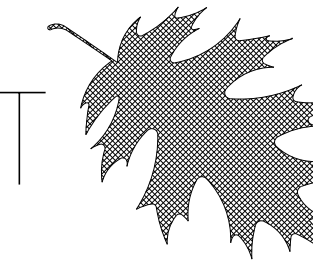


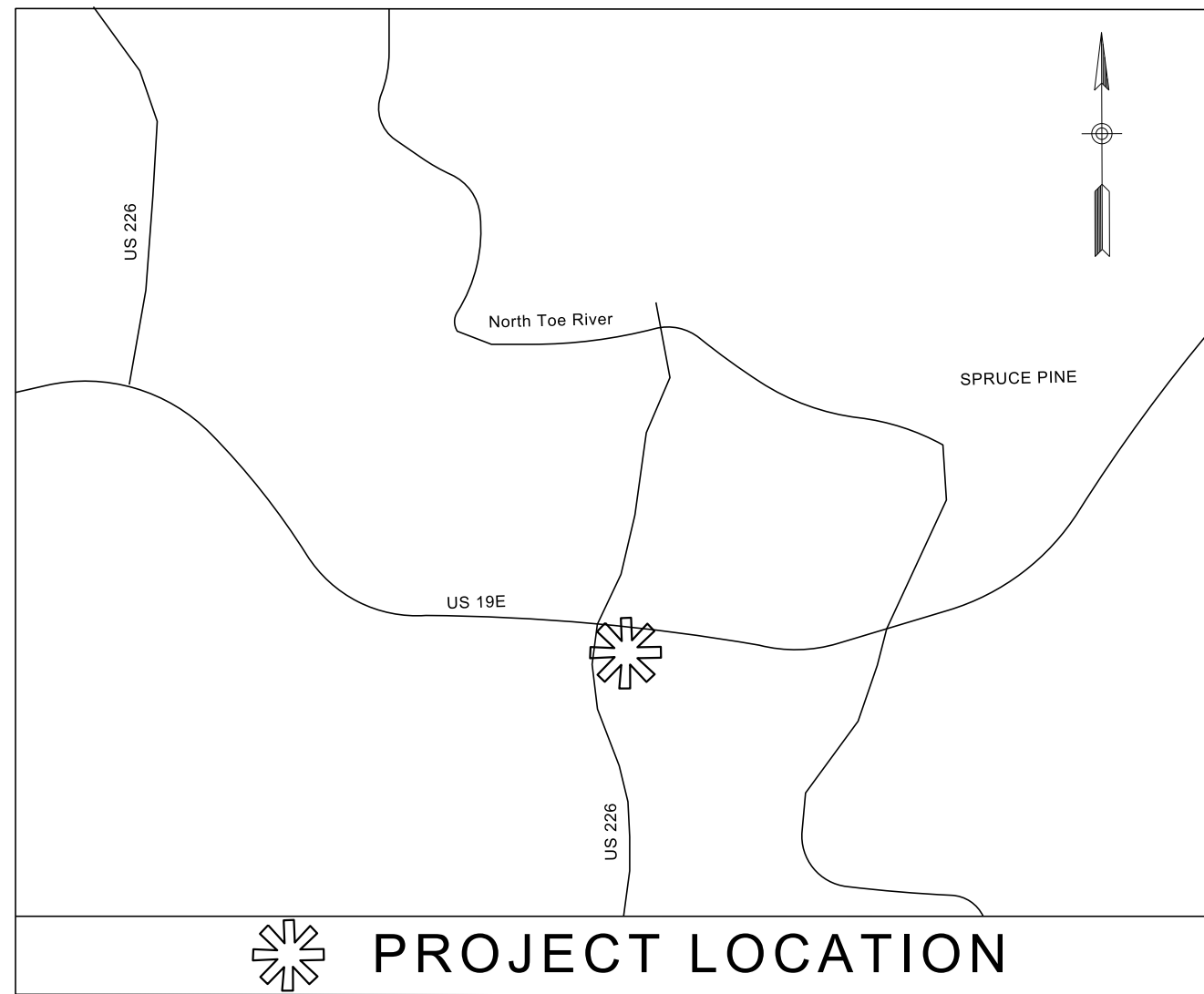
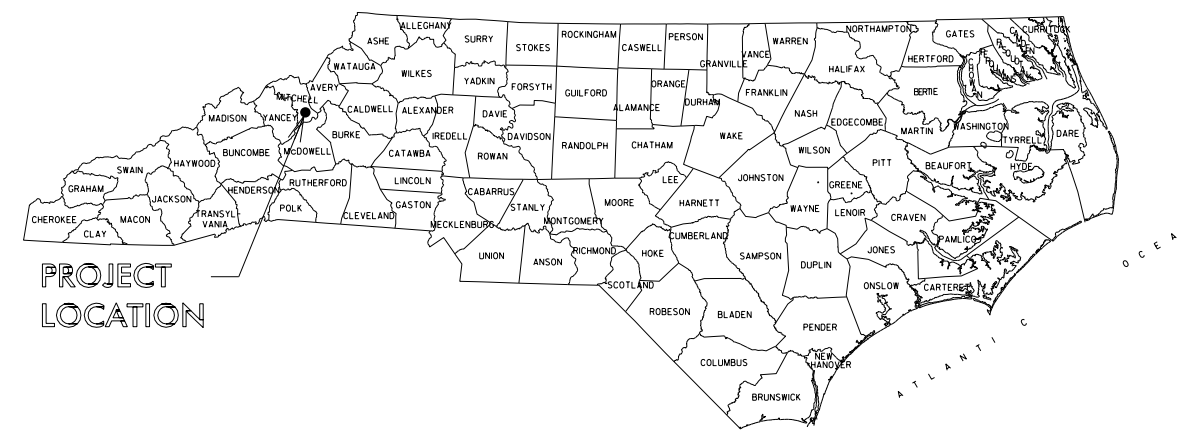
PROJECT: Landscape Enhancement at US 226 at US 19E
Spruce Pine, NC



PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
	3713.3.33	L1	3
FED. PROJ. #	DESCRIPTION		DIVISION
	Landscape Enhancement at US 226 at US 19E in Spruce Pine, NC		13



SUMMARY OF QUANTITIES:

Plant Materials							
Quantity	Unit	Key	Botanical Name	Common Name	Furnish	ASNS	Spacing
Trees							
7	EA	PA	<i>Picea abies</i>	Norway Spruce	12-14', B&B, heavily branched to the ground	3.2.4	To be field staked
7	EA	CC	<i>Cercis canadensis 'Alba'</i>	White Eastern Red Bud	2-2 1/2" Caliper, Standard, B&B, Matched Specimens	1.2.3	To be field staked
Shrubs							
41	EA	IV	<i>Itea virginica 'Henry's Garnet'</i>	Virginia Sweetspire	18-24", #3 Container	2.2.4	5' OC
Perennials							
220	EA	RF	<i>Rudbeckia fulgida 'Goldstrum'</i>	Black-eyed Susan	#1 Container, fully rooted	12.3	18" OC
1300	EA	NA	<i>Narcissus 'Carlton'</i>	Daffodil	RN III	10.19	4-5" OC; Random
Other Items							
Quantity	Unit	Description					
225	SY	Post-Emergent Herbicidal Treatment for Plant Beds					
225	SY	Pre-Emergent Herbicidal Treatment for Plant Beds					
40	CY	Mulch for Planting (4" Thick)					
2	M/G	Water for Planting					
8	EA	Selective Tree Removal, 18"					
0.5	ACRE	Selective Undergrowth Removal (Approximately 2200 SF)					
1	LS	Removal of Existing Gravel (Approximately 2200 SF)					
720	SF	Stone Inlay on Bank (Includes gravel base)					
160	LF	12" x 18" Concrete Curb (Forms toe of stone inlay; includes gravel base)					
160	LF	6" Drain Pipe (Includes gravel for drainage)					
450	CY	Fill Dirt for Berm					
56	CY	Topsoil					
2050	SF	Sodding					
0.15	ACRE	Seeding and Mulching (Approximately 6500 SF)					
12	EA	Monthly Establishment Work Cycle					

CONVENTIONAL SYMBOLS

County Line	---
City or Town Line	---
Exist. Right of Way Line Marker	---△---
Prop. Right of Way Line Marker (By Others)	---▲---
Prop Right of Way Line Marker (By Contract)	---▲---
Exist. Control of Access Line	---(C)---
Prop. Control of Access Line	---(A)---
Property Line	---E---
Easement Line	---E---
Slope Stake Line	---E---
Exist. Fence	---+---
Prop. Woven Wire Fence	---○---
Prop. Chain Link Fence	---□---
Exist. Road	---=---
Prop. Road	---=---
Guardrail	---T---
Survey Line	---+---
Denotes Line Equality	---●---
Bridge	---=---
Culvert	---=---
Railroad	---=---
Woods	---*φφOR.---
Exist. Telephone Pole	---●---
Prop. Telephone Pole	---○---
Tower Pole and Line	---●---
Exist. Power Pole	---●---
Prop. Power Pole	---○---
Sanitary Sewer Line	---SS---
Water Line	---=---
Gas Line	---GAS---
Picnic Shelter	---□---
Regeneration	---X---
Reforestation	---X---

INDEX OF SHEETS:

L1 ... Title Sheet,
Summary of Quantities

L2 ... Planting Detail Sheet

L3 ... Planting Plan

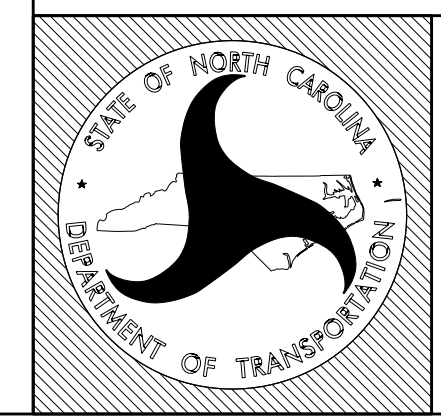
GENERAL NOTES:

- Verify locations of pertinent site improvements installed under other sections. If any part of this plan cannot be followed due to site conditions, contact Landscape Architect for instructions prior to commencing work.
- Exact locations of field staked plant materials to be approved by the Landscape Architect or Engineer in the field prior to installation.
- Verify plant counts and square footages: Quantities are provided as Owner information only. If quantities on plant list differ from graphic indications, then graphics shall prevail.
- Contact the local underground utility services for utility location and identification.
- Perform excavation in the vicinity of underground utilities with care and if necessary, by hand. The Contractor bears full responsibility for this work and disruption or damage to utilities shall be repaired immediately at no expense to the Owner.
- Align and equally space in all directions shrubs so designated per these notes and drawings.
- Square footages Selective undergrowth removal areas are approximate.

PREPARED BY:

Design Workshop
60 Biltmore Ave. Suite 3C
Asheville, NC 28801
(828) 225-6901
www.designworkshop.com

DATE:	REVISIONS
3-26-15	Preliminary Design Concept
4-27-15	Revisions based on NCDOT site review
5-5-15	Final Design Submittal
1-26-16	Revision CSM

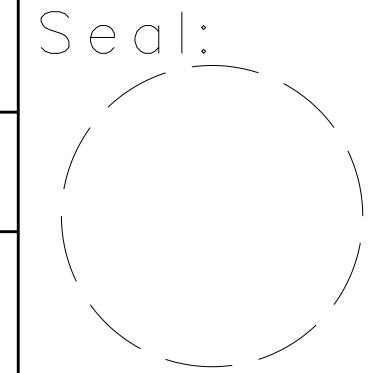


STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

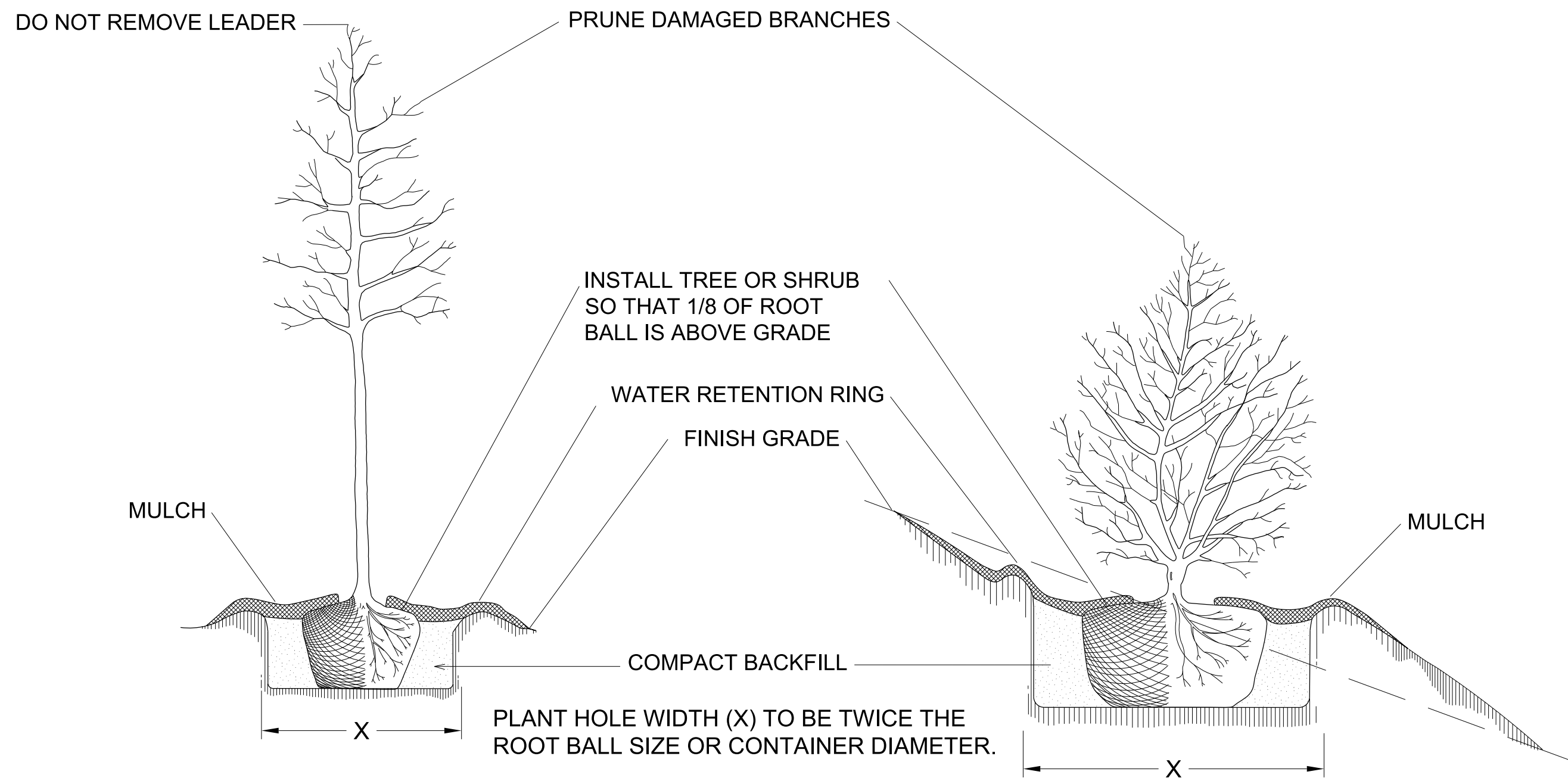
LOCATION: US 226 at US 19E Spruce Pine, NC

TYPE of WORK: Landscape Development

COUNTY: Mitchell County

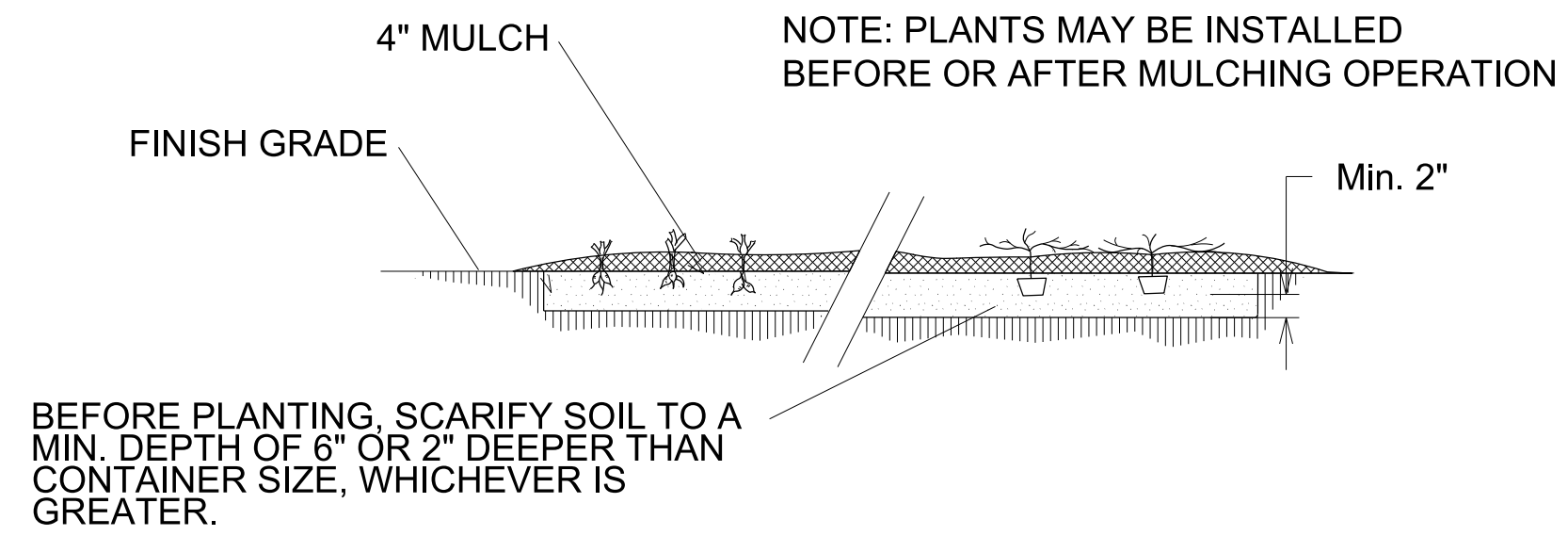


2004 American Standard for Nursery Stock
2012 NCDOT STANDARD SPECIFICATIONS
PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT SECTION
1557 MAIL SERVICE CENTER
RALEIGH NC 27699 919-707-2935



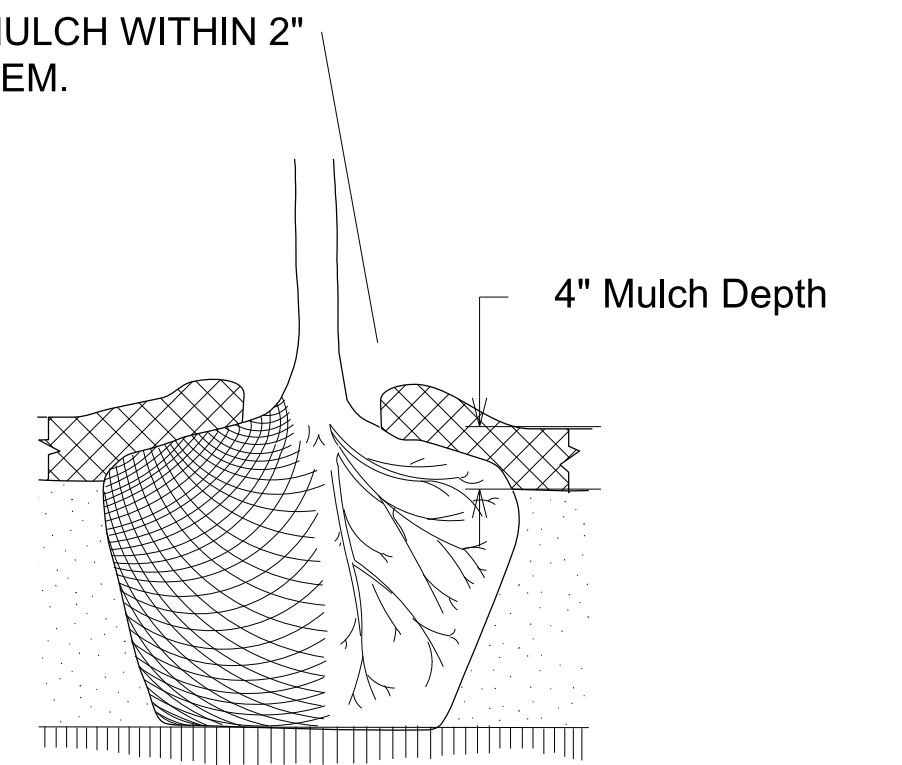
TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)

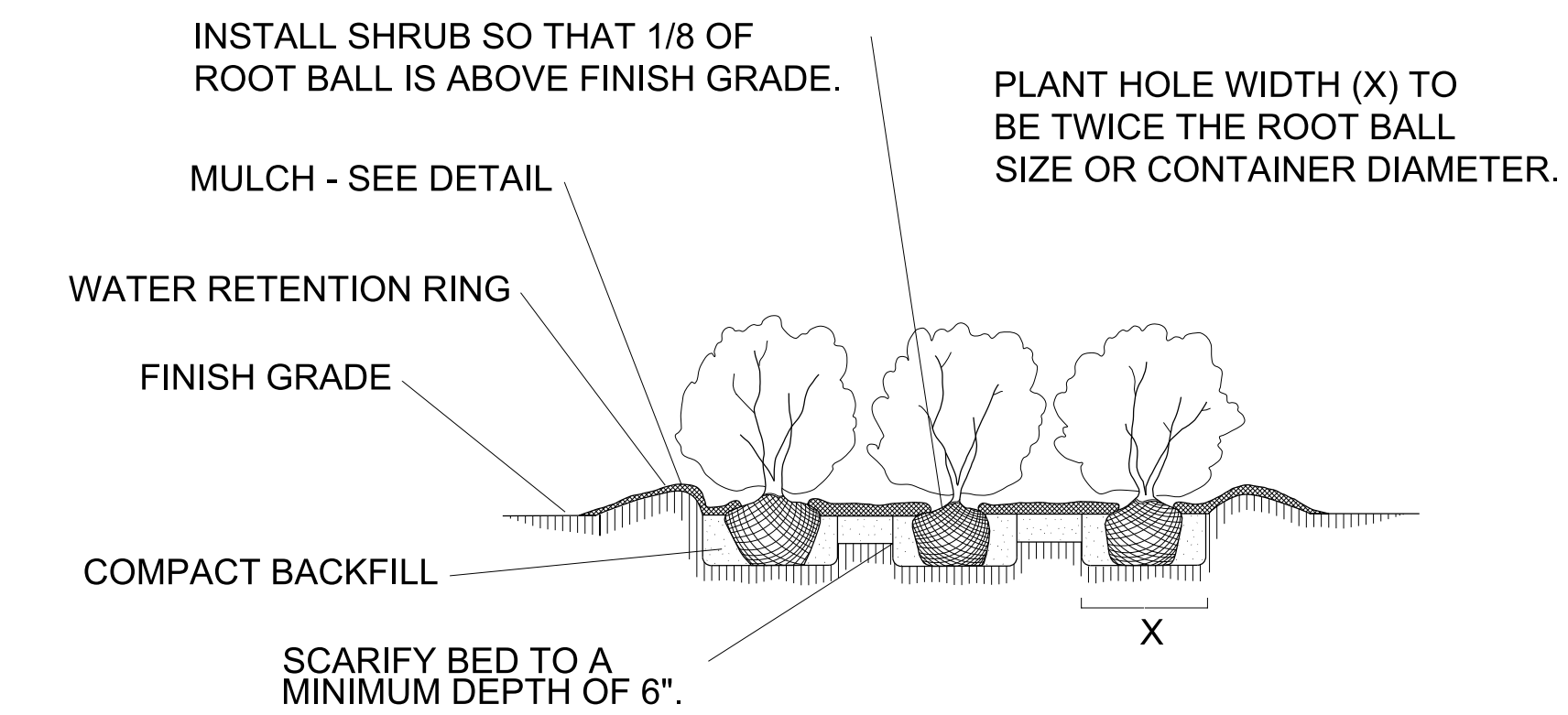


GROUND COVER/ BEDDING
PLANT DETAIL

DO NOT PLACE MULCH WITHIN 2" OF TRUNK OR STEM.



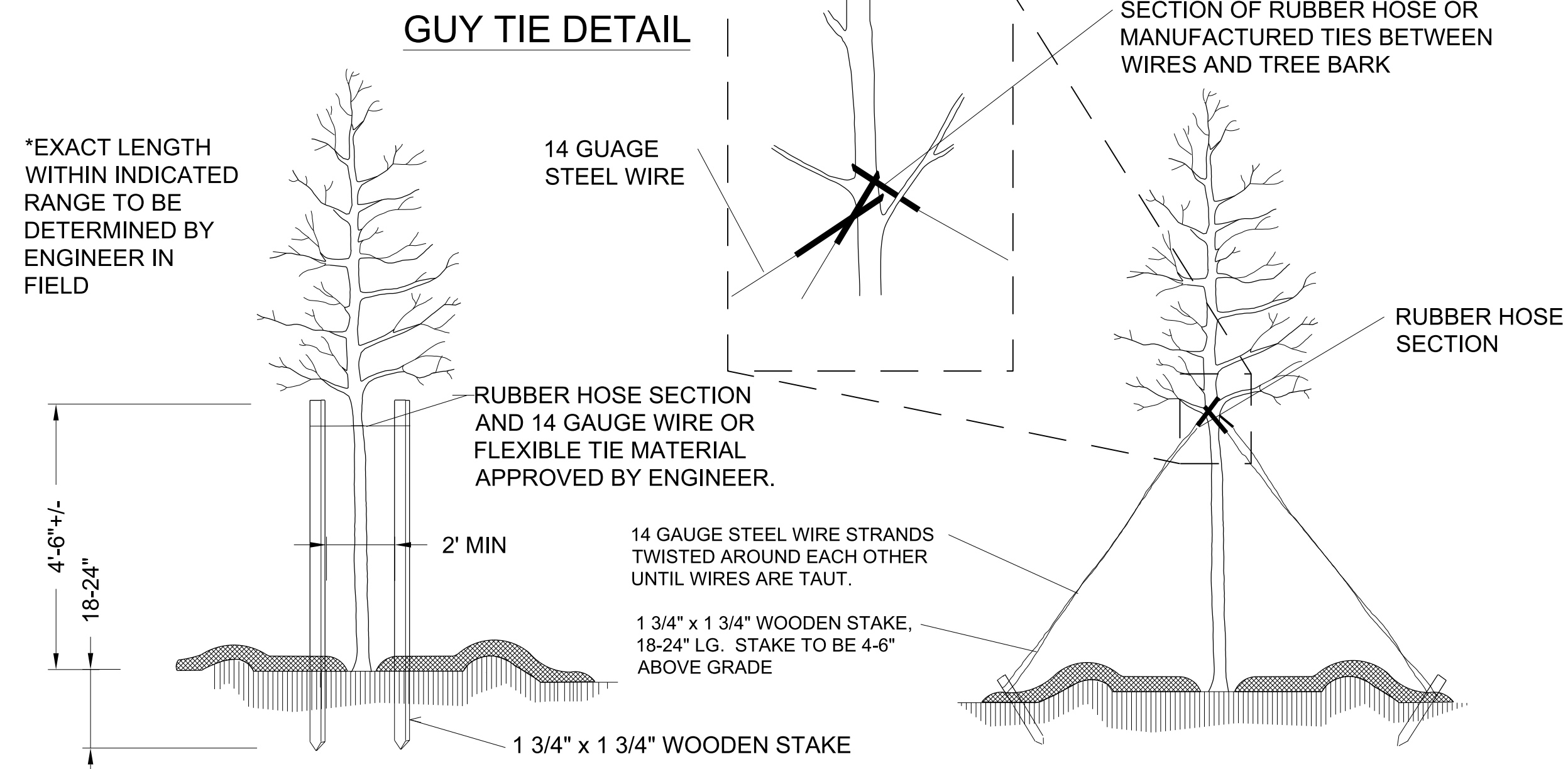
MULCH DETAIL



SHRUB BED PLANTING DETAIL

NOTES:

- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
- SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
- APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLETT OR TABLET. APPLY AT RATE RECOMMENDED BY MANUFACTURER. BOTH RATE AND FORMULATION MUST BE APPROVED BY FIELD ENGINEER PRIOR TO APPLICATION.
- REMOVE WIRE BASKET AND FOLD BURLAP BACK FROM TOP OF ROOT BALL BEFORE BACKFILLING IS COMPLETE.
- ALL PRUNING TO FOLLOW STANDARD ARBORICULTURAL PRACTICES AS SPECIFIED BY INTERNATIONAL SOCIETY OF ARBORICULTURE.
- DO NOT ATTEMPT TO STRAIGHTEN A TREE THAT HAS BEEN PLANTED AT AN ANGLE WITH THE USE OF STAKING OR GUYING. DIG TREE AND REPLANT TO UPRIGHT POSITION.

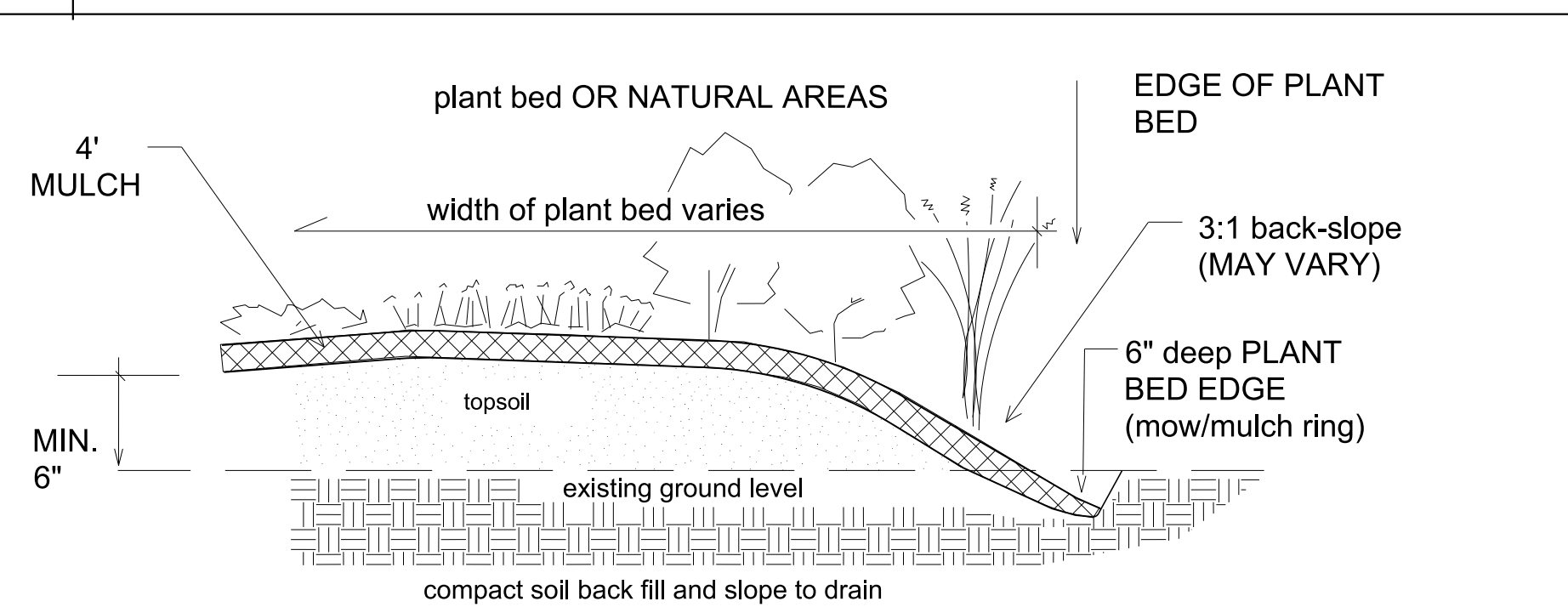


STAKING DETAIL
(TREES 6'-10')

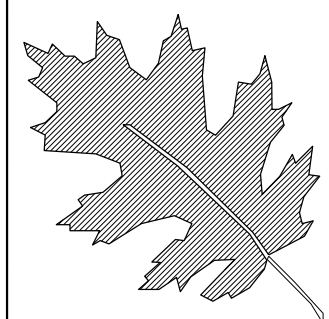
USE AS DIRECTED BY FIELD ENGINEER

GUYING DETAIL
(TREES 10' OR LARGER)

USE AS DIRECTED BY FIELD ENGINEER



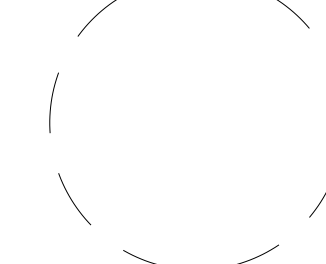
PLANT BED EDGE DETAIL



NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557
PH: 919-707-2920 FAX: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Landscape Enhancement
at US 226 at US 19E
Spruce Pine, NC
project #: 3713.3.33

re u engineer :



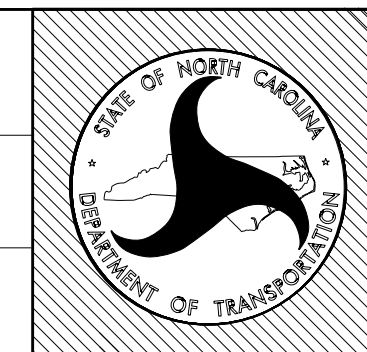
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Planting Details

prel design date: March 26, 2015

checked by & date : Connie Morgan
April 2, 2015

final design date : May 5, 2015
design revision date : Jan 26, 2016 CSM

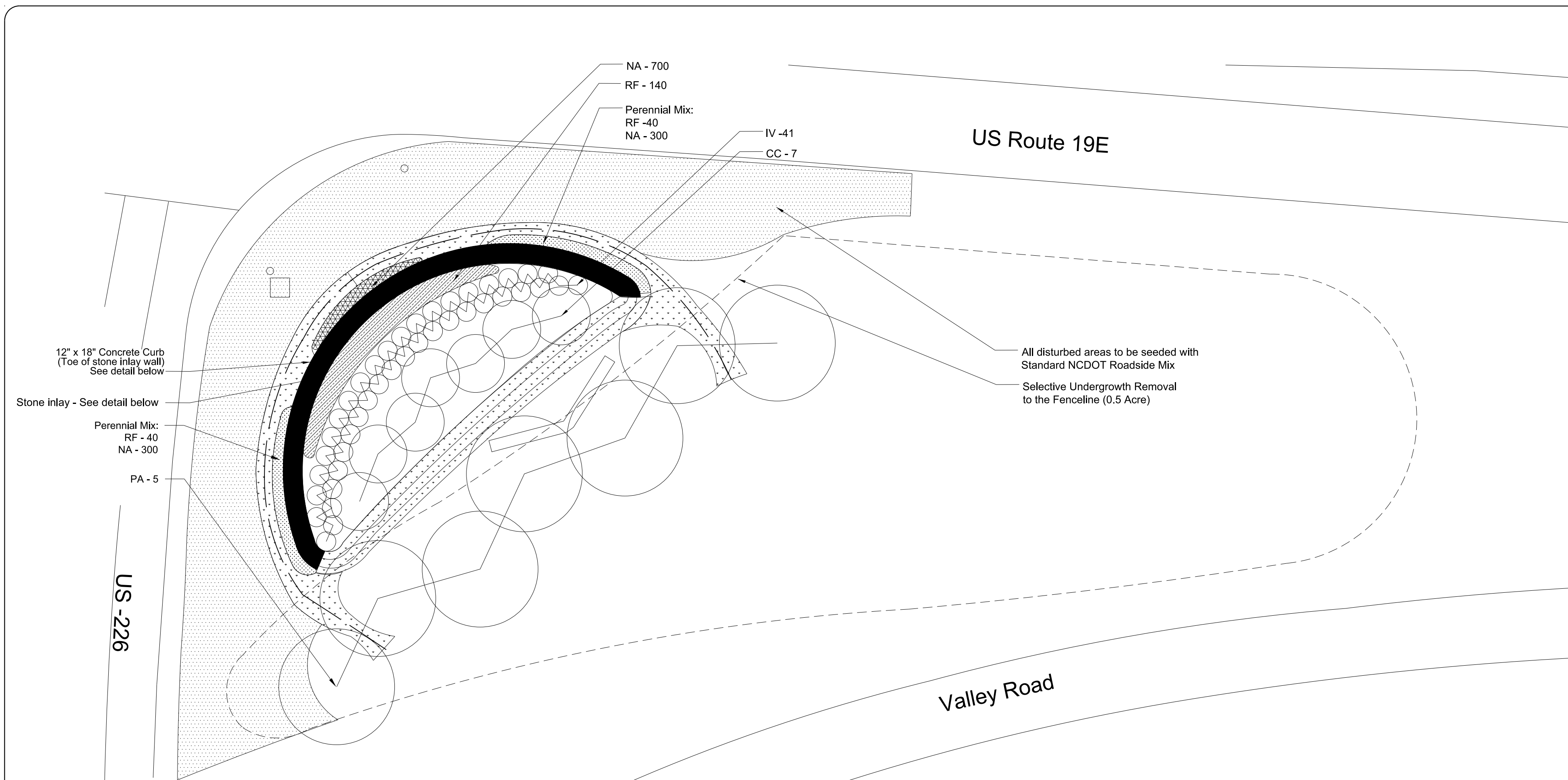


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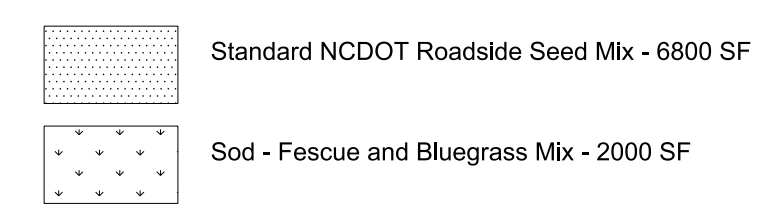
L-2

total sheet no :

3



PLANT MATERIALS								
Qty	Unit	Key	Botanical Name	Common Name	Furnish	ASNS	Spacing	
Trees								
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1300	ea	NA	<i>Narcissus</i> 'Carlton'	Daffodil	RN III	10.19	4-5 inches O.C.	



- Notes:
1. Selective Tree Removal shall consist of the removal of all 8 Bradford Pear Trees
 2. Newly planted trees should be mulched individually.
 3. Existing gravel areas that are outside of Berm perimeter are to be treated as follows: Remove compacted gravel, scarify the soil, add 1" of topsoil, and seed with Standard NCDOT seed mix for Roadside Mow Strips (bluegrass and fescue).
 4. Sod utilized to stabilize the back of the berm and the swale should be a 90% Tall Fescue - 10% Kentucky Bluegrass Blend.
 5. Fill material quantity is an estimate only. The contractor shall furnish the quantity needed to bring the berm to the proposed grade

