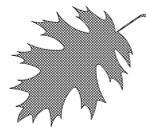
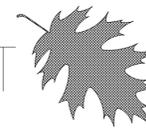


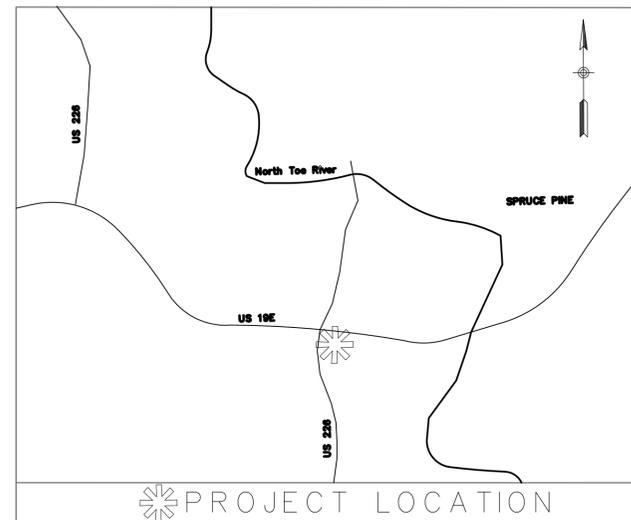
PROJECT: Landscape Enhancement at US 226 at US 19E Spruce Pine, NC



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

Qty	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, Multi-Stemmed Trunk, 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' O.C.
Perennials							
220	ea	RF	<i>Rudbeckia fulgida 'Goldsturm'</i>	Black-eyed Susan	#1 Container, fully rooted	12.3	18" O.C.
1300	ea	NA	<i>Narcissus 'Carlton'</i>	Daffodil	RN III	10.19	4-5 inches O.C.
OTHER ITEMS							
Quantity	Unit	Description					
225	SY	Post-Emergence Herbicide Treatment for Plant Beds (2000 SF)					
225	SY	Pre-Emergence Herbicidal Treatment for Plant Beds (2000 SF)					
40	CY	Mulch for Planting 4" thick					
2	M/G	Water for Planting					
8	each	Selective Tree Removal, 18"					
0.5	Acre	Selective Undergrowth Removal - 2200 SF					
1	LS	Removal of Existing Gravel - 2000 SF					
160	LF	Stone Inlay on Bank, LF price includes gravel base, drainage and concrete curb					
450	CY	Fill Dirt for Berm					
56	CY	Topsoil					
2050	SF	Sod					
0.15	acre	Seeding and Mulching - Standard NCDOT Mix 6500 SF					
ESTABLISHMENT PERIOD							
Quantity	Unit	Description					
12	Cycle	Monthly Establishment and Warranty Work					

CONVENTIONAL SYMBOLS

County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	----- Δ -----
Prop. Right of Way Line Marker (By Others)	----- ▲ -----
Prop Right of Way Line Marker (By Contract)	----- (A) -----
Exist. Control of Access Line	----- (A) -----
Prop. Control of Access Line	----- (A) -----
Property Line	----- E -----
Easement Line	----- E -----
Slope Stake Line	-----
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	----- * * * OR -----
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

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

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.



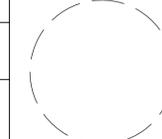
STATE OF
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

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

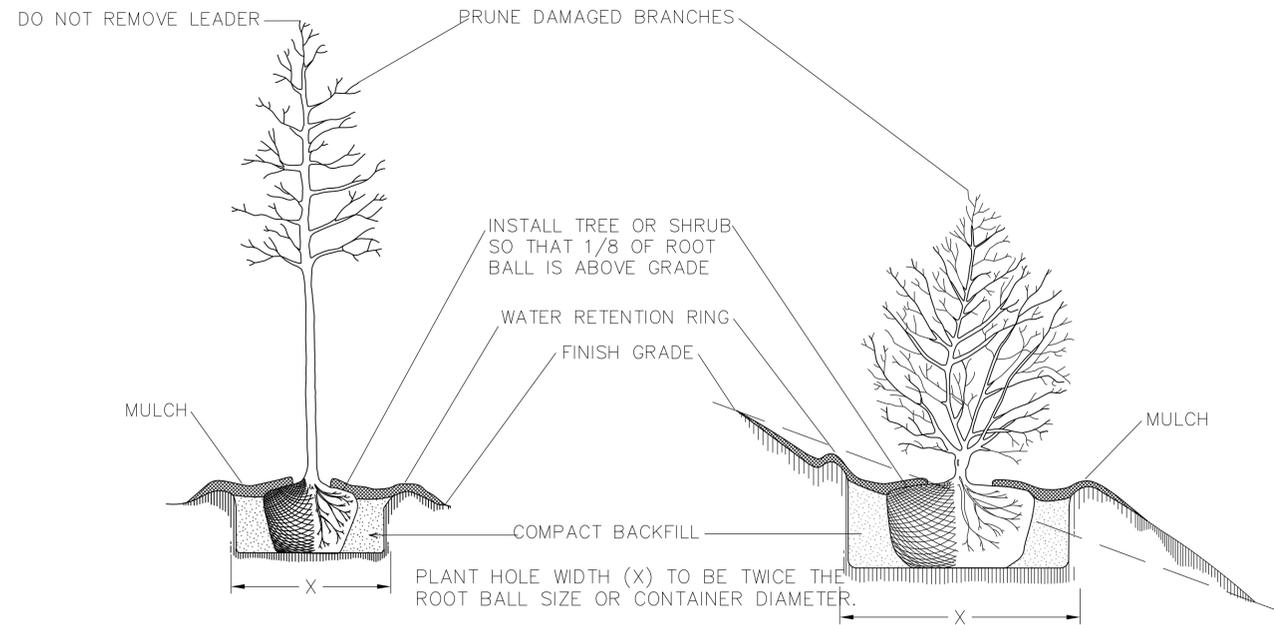
TYPE of WORK: Landscape Development

COUNTY: Mitchell County

Seal:

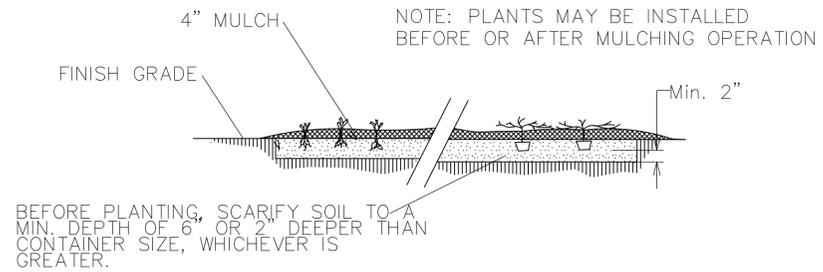


2004 American Standard for Nursery Stock
 2012 NCDOT STANDARD SPECIFICATIONS
 PREPARED IN THE OFFICE OF:
 NCDOT- ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT SECTION
 1557 MAIL SERVICE CENTER
 RALEIGH NC 27699 919-707-2935

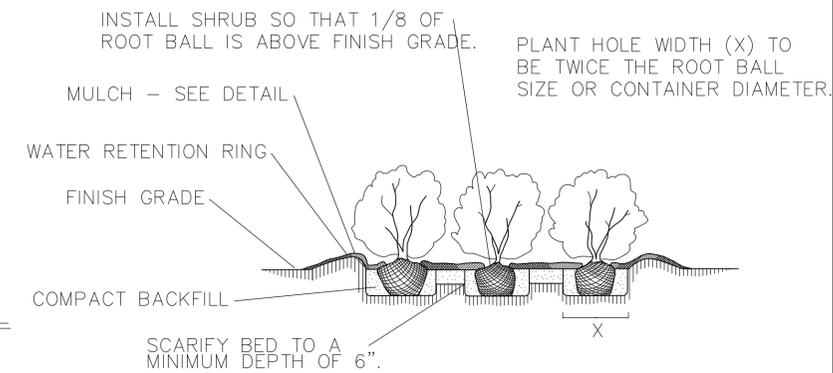


TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

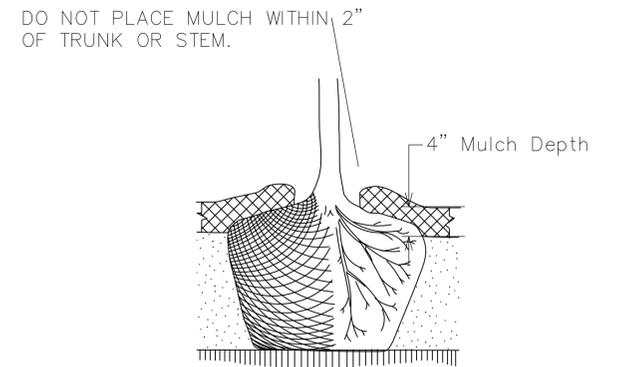
TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)



GROUND COVER/ BEDDING
PLANT DETAIL



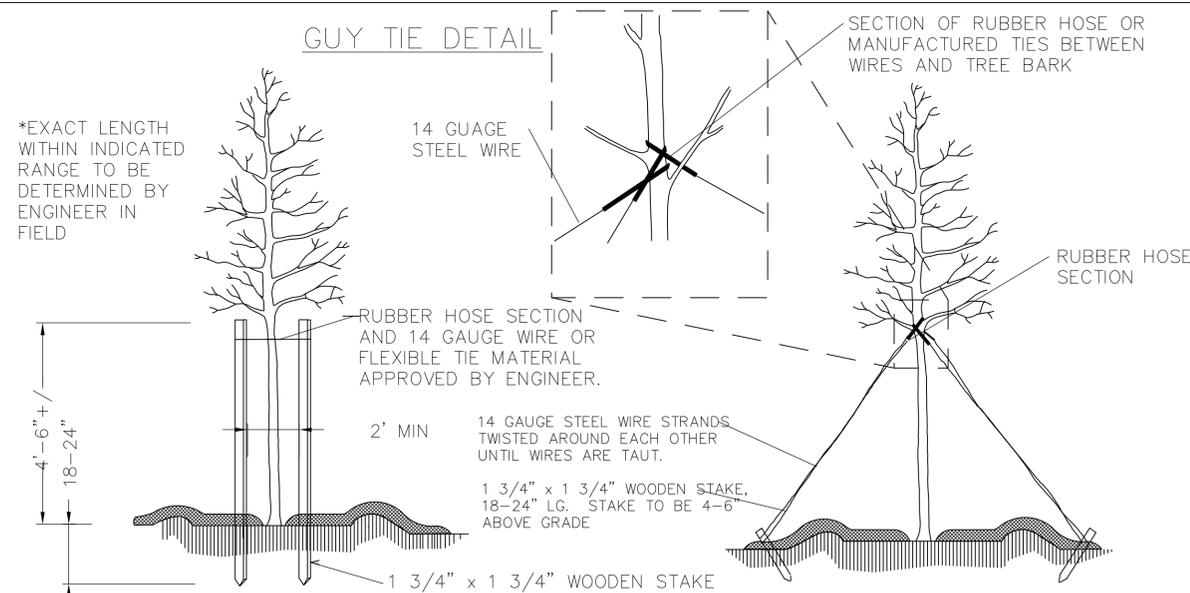
SHRUB BED PLANTING DETAIL



MULCH 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 PELLET 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.

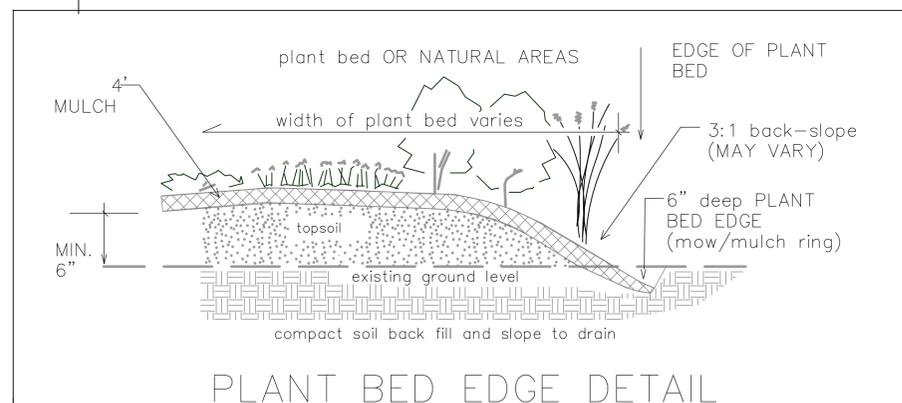


STAKING DETAIL
(TREES 6'-10')

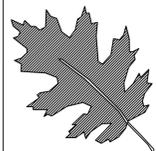
USE AS DIRECTED BY FIELD ENGINEER

GUYING DETAIL
(TREES 10' OR LARGER)

USE AS DIRECTED BY FIELD ENGINEER

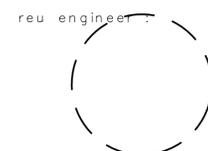


PLANT BED EDGE DETAIL



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

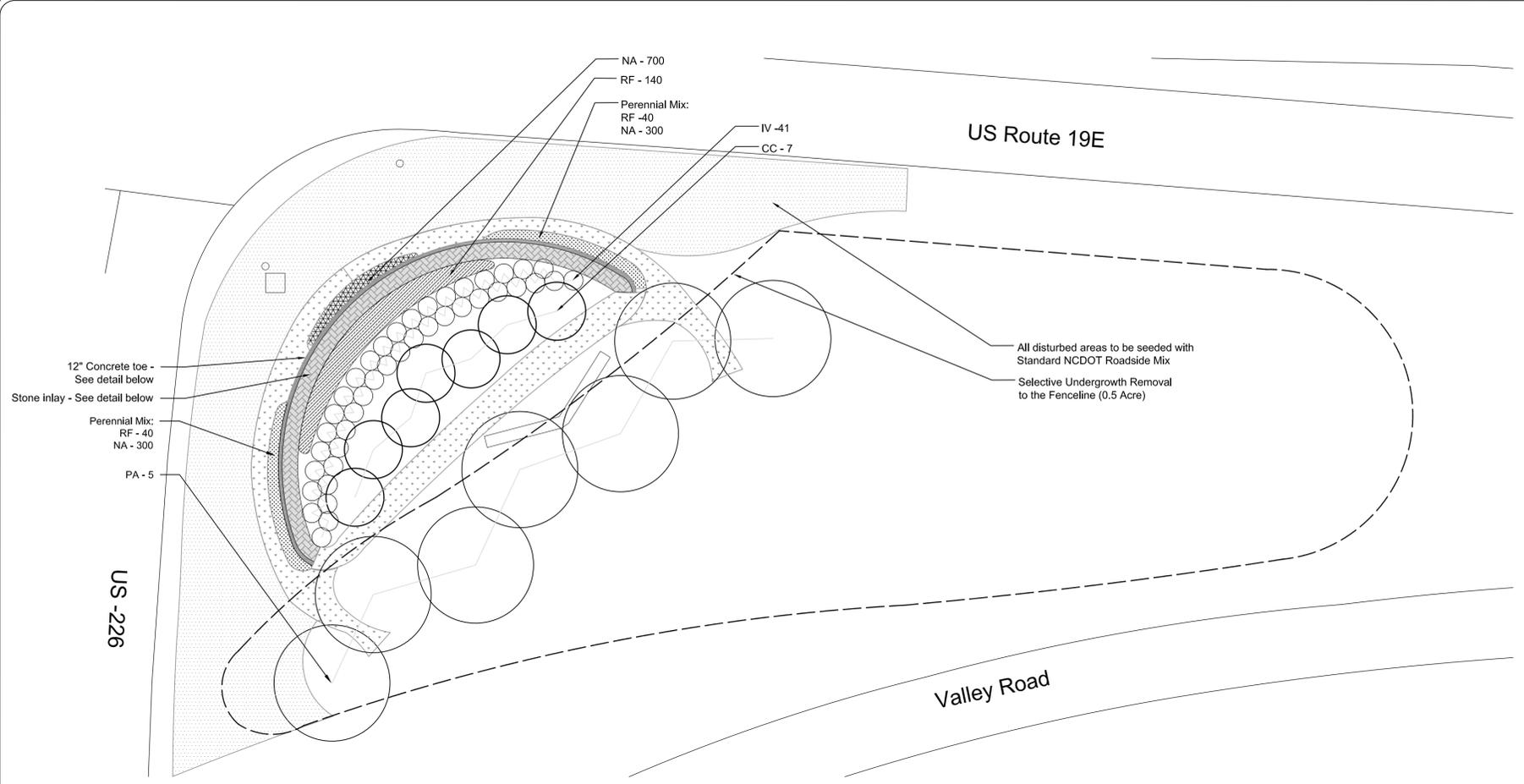


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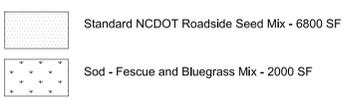
prel design date: March 26, 2015
checked by & date : Connie Morgan April 2, 2015
final design date : May 5, 2015



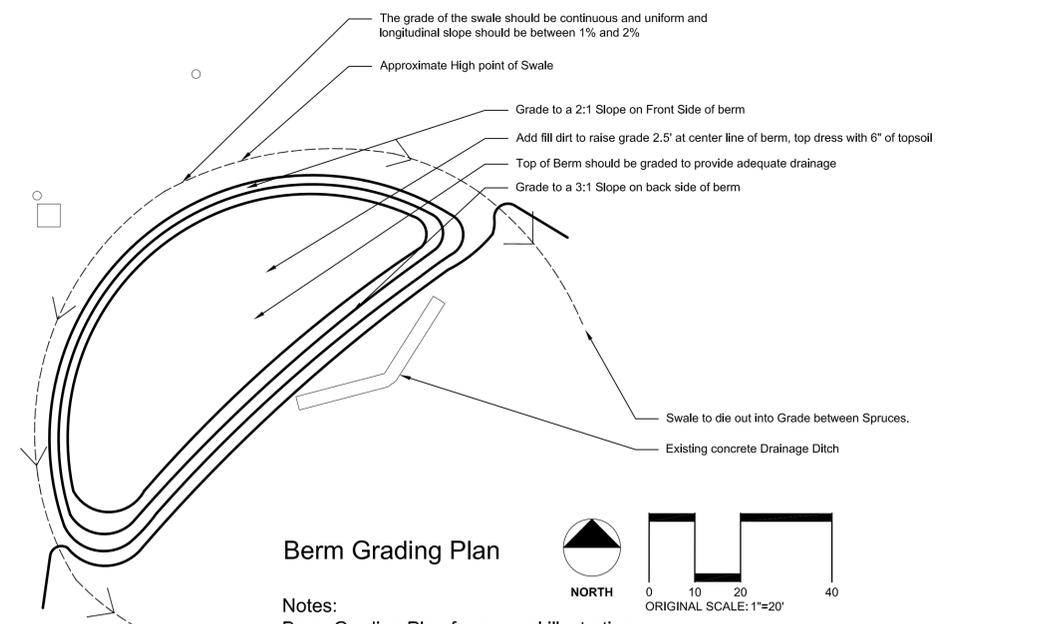
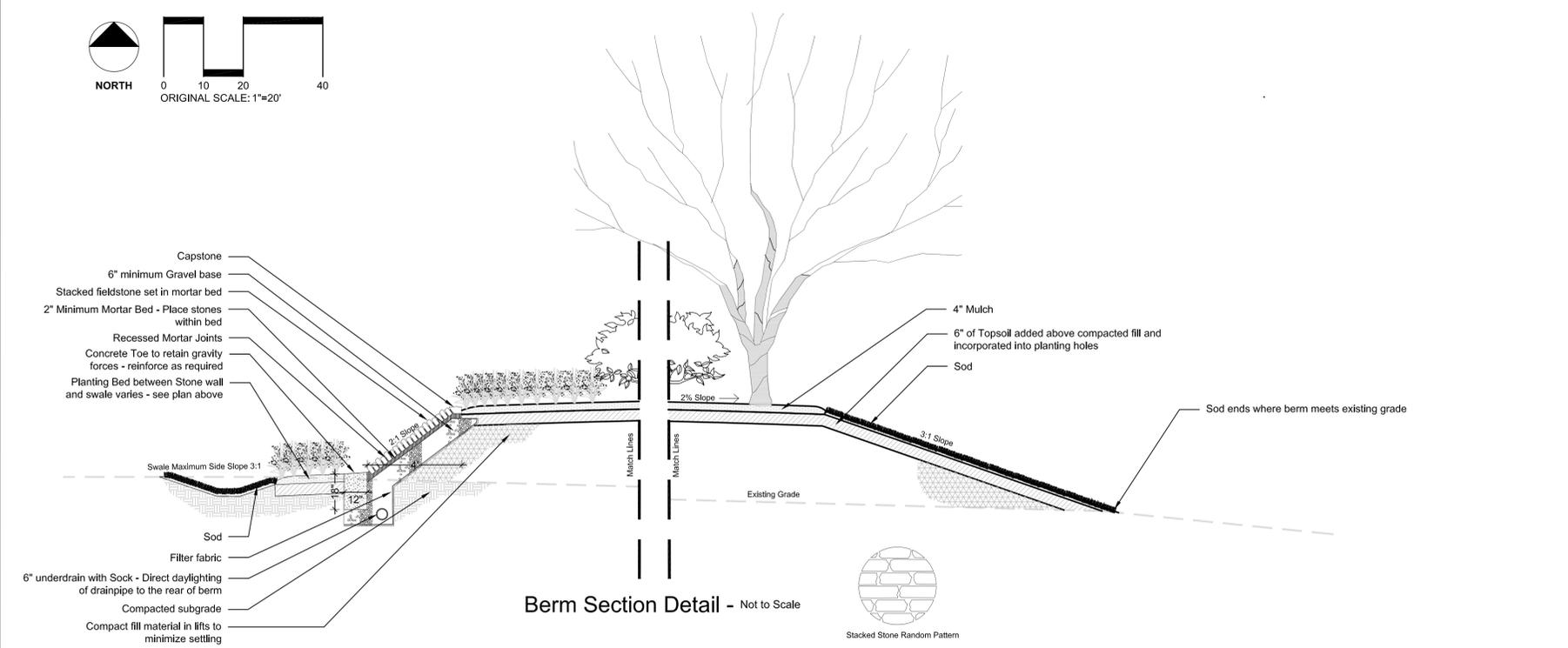
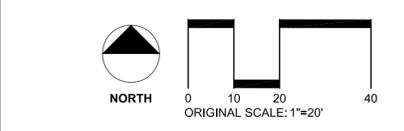
sheet no :
L-2
total sheet no : 3



PLANT MATERIALS								
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1300	ea	NA	<i>Narcissus</i> 'Carlton'	Daffodil	RN III	10.19	4-5 inches O.C.	



- Notes:
- Selective Tree Removal shall consist of the removal of all 8 Bradford Pear Trees
 - Newly planted trees should be mulched individually.
 - 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).
 - Sod utilized to stabilize the back of the berm and the swale should be a 90% Tall Fescue - 10% Kentucky Bluegrass Blend.
 - Fill material quantity is an estimate only. The contractor shall furnish the quantity needed to bring the berm to the proposed grade



- Notes:
- Berm Grading Plan for general illustration purposes only. Actual elevations should conform to site topography, and achieve berm height as shown