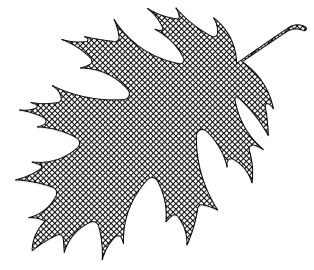
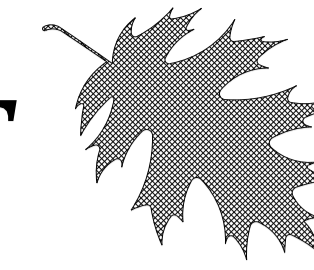


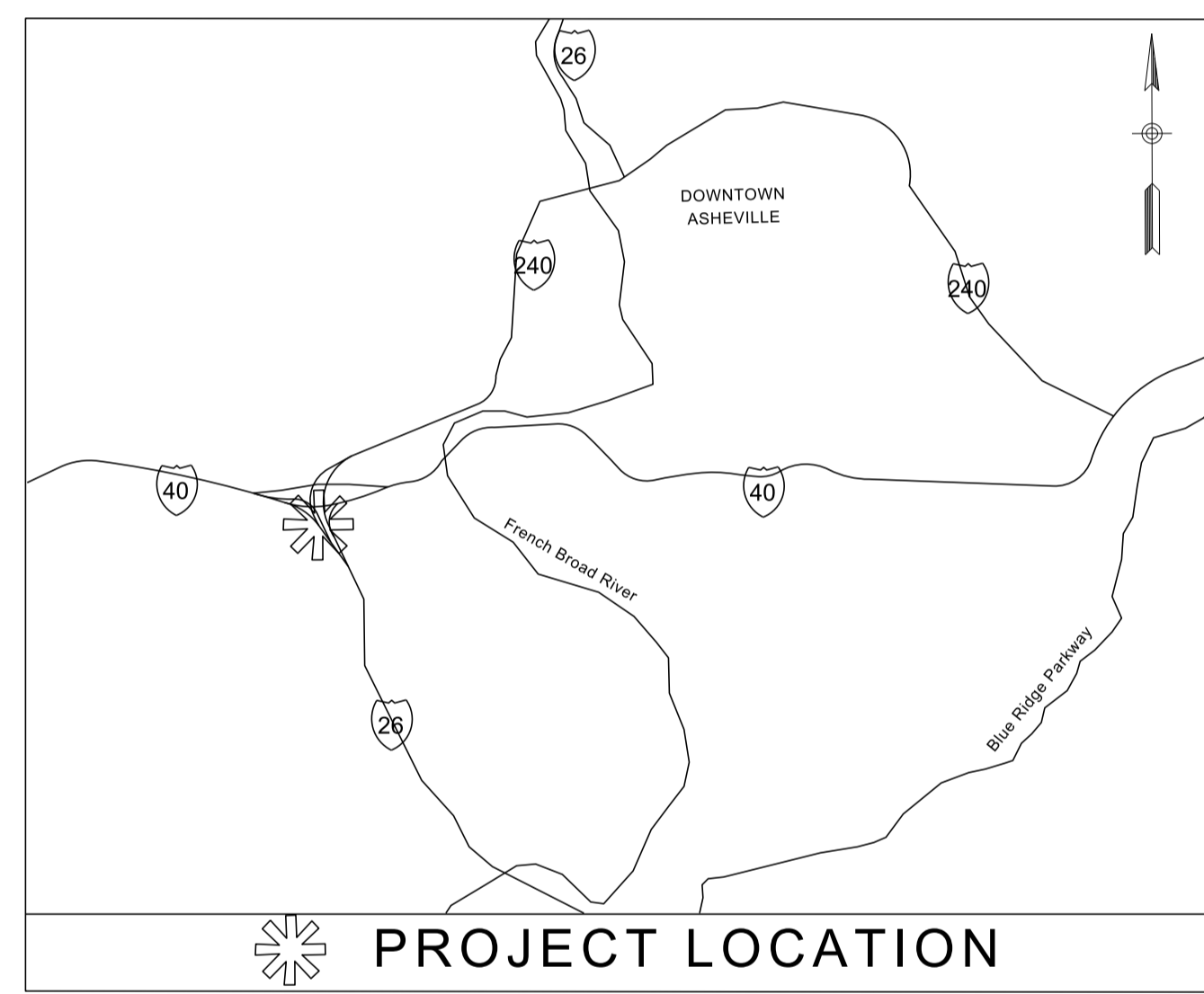
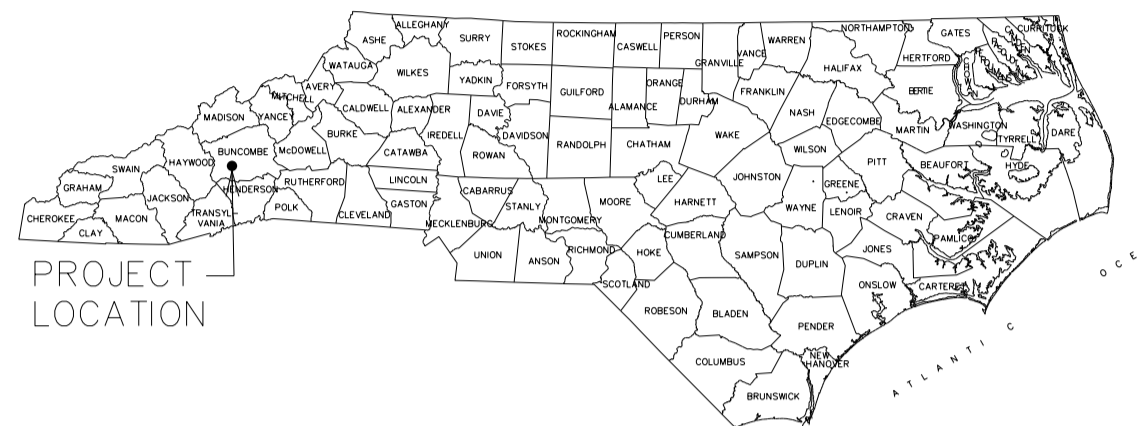
PROJECT: Landscape Enhancement at I-26 at I-40 Asheville, NC



PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET TOTAL
	3713.3.30	L1	5
FED. PROJ. #	DESCRIPTION	DIVISION	
	Landscape Enhancement on I-26 Median at I-40 Interchange	13	



SUMMARY OF QUANTITIES:

PLANT MATERIALS							
Qty	Unit	Key	Botanical Name	Common Name	Furnish	ASNS	Spacing
Trees							
7	ea	QR	Quercus rubra	Northern Red Oak	3" Cal. /B&B, Single straight trunk, well-branched, matched specimens	1.2.1	To be field staked by Engineer
9	ea	CK	Cladastris kentuckea	Yellowood	2" Cal. /B&B, Single straight trunk, well-branched, matched specimens	1.2.1	To be field staked by Engineer
17	ea	PA	Picea abies	Norway Spruce	10'-12' /B&B, Single straight trunk, well-branched	3.2.4	To be field staked by Engineer
43	ea	CC	Cercis canadensis	Eastern Red Bud	6-8', 3-5 stems, minimum 1" caliper each, well-branched	1.3.2.2.2	To be field staked by Engineer
24	ea	AG	Amalanchier x grandiflora 'Autumn Brilliance'	Serviceberry	6-8', 3-5 stems, minimum 1" caliper each, well-branched	1.3.2.2.2	To be field staked by Engineer
Shrubs							
463	ea	HQ	Hydrangea quercifolia 'Alice'	Oakleaf Hydrangea	24-30", #3 Container	2.2.4	6' O.C.
159	ea	FG	Fothergilla major 'Mt. Airy'	Mt. Airy Fothergilla	18-24", #3 Container	2.2.3	5' O.C.
Perennials							
575	ea	LS	Liatris spicata	Blazing star	#1 Container, fully rooted	12.3	18" O.C.
2650	ea	RF	Rudbeckia fulgida 'Goldsturm'	Black-eyed Susan	#1 Container, fully rooted	12.3	18" O.C.
250	ea	EP	Echinacea purpurea	Coneflower	#1 Container, fully rooted	12.3	18" O.C.
OTHER ITEMS							
Quantity	Unit	Description					
3550	SY	Post-Emergence Herbicide Treatment for Plant Beds					
3550	SY	Pre-Emergence Herbicidal Treatment for Plant Beds					
400	CY	Mulch for Planting					
5	each	Invasive Removal Treatment (4 acres) BY OTHERS					
2	each	Selective Tree Removal, 15"					
9	each	Selective Tree Removal, 18"					
12	each	Existing Tree Pruning and Vine removal					
300	Lbs	Seed for Supplemental Seeding BY OTHERS					
1	Ton	Fertilizer Topdressing BY OTHERS					
10	M/G	Water for Planting					
ESTABLISHMENT PERIOD							
Quantity	Unit	Description					
24	Cycle	Monthly Establishment and Warranty Work					

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 for seeding and invasive removal areas are approximate.
- The overall schedule of work shall be as follows (see Contract for further details):

Summer/Fall 2016	Begin Invasive Control by 'Others'
Fall 2016	Begin Woody Plant Installation/Supplemental Seeding
Spring 2017	Begin Herbaceous Plant Installation

CONVENTIONAL SYMBOLS

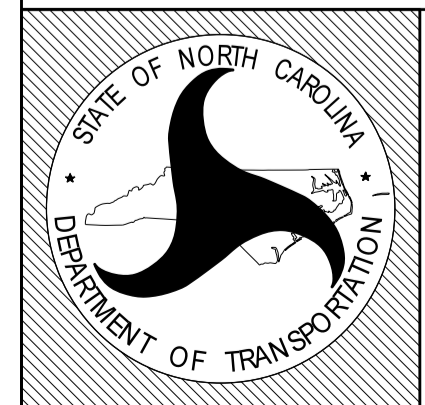
County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker (By Others)	-----▲-----
Prop Right of Way Line Marker (By Contract)	-----▲-----
Exist. Control of Access Line	-----○-----
Prop. Control of Access Line	-----○-----
Property Line	-----E-----
Easement Line	-----E-----
Slope Stake Line	-----▲-----
Exist. Fence	-----+-----
Prop. Woven Wire Fence	-----○-----
Prop. Chain Link Fence	-----□-----
Exist. Road	-----
Prop. Road	-----
Guardrail	-----
Survey Line	-----
Denotes Line Equality	-----
Bridge	-----
Culvert	-----
Railroad	-----
Woods	-----
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	-----
Reforestation	-----

INDEX OF SHEETS:

L1 ... Title Sheet,
Summary of Quantities
L2 ... Planting Detail Sheet
L3 ... Planting Plan
L4 ... Site Preparation Plan
L5 ... Perennial Layout Plan

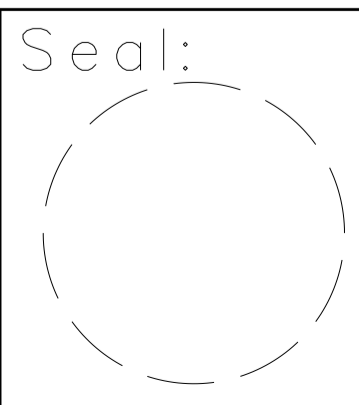
PREPARED BY:
 Design Workshop
 60 Biltmore Ave, Suite 3C
 Asheville, NC 28801
 (828) 225-6901
 www.designworkshop.com

DATE:	REVISIONS
5-20-15	Preliminary Design Concept
6-16-15	Revisions based on NCDOT site review
7-24-15	Add Perennial Layout, Final Revisions
8-4-15	Add Work Schedule, extend Warranty
5-17-16	Revise Invasive and Seeding Work
5-26-16	Revise WBS#

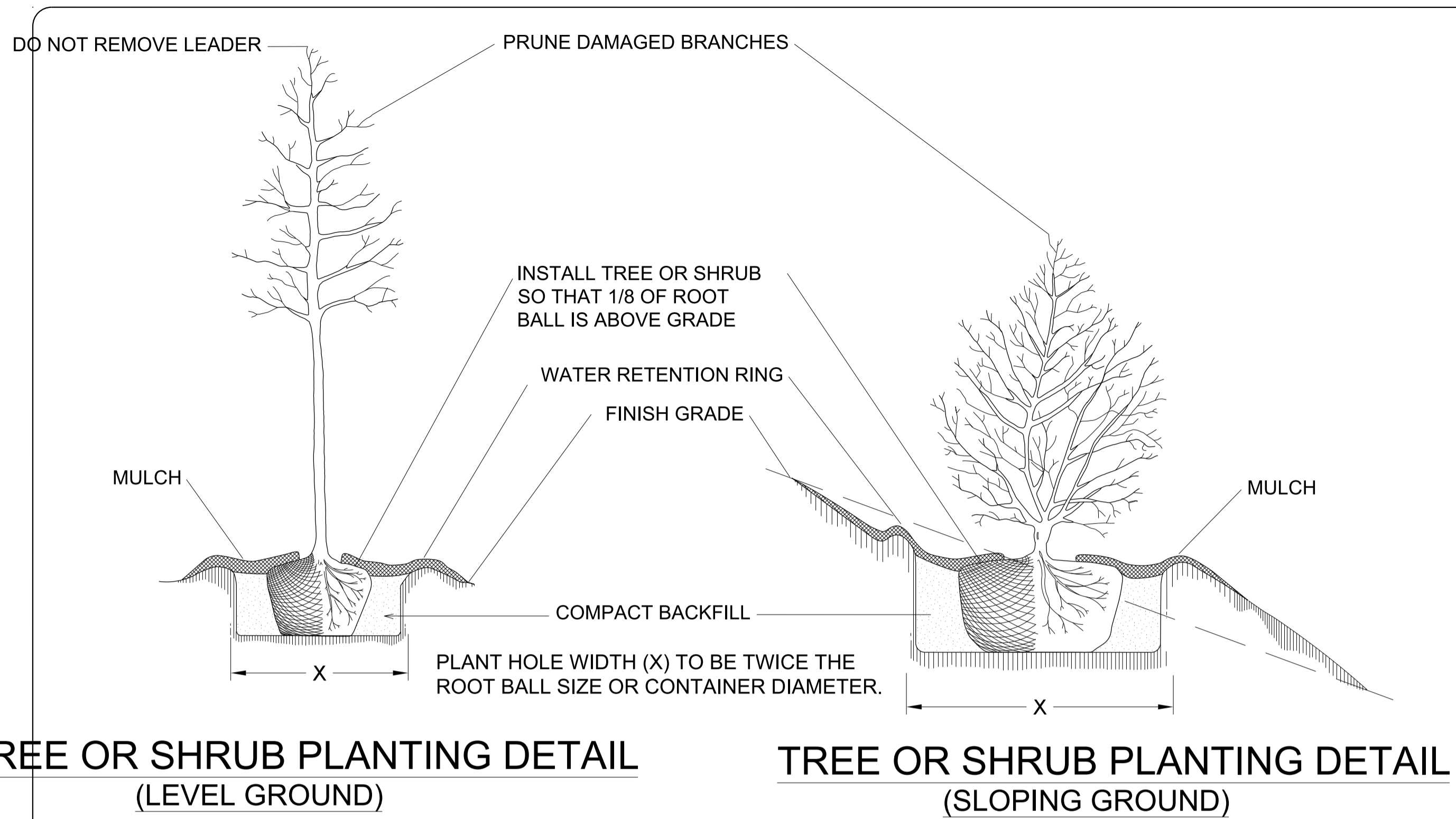


**STATE OF
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION**

LOCATION: I-26 at I-40 Asheville, NC
 TYPE of WORK: Landscape Development
 COUNTY: Buncombe County

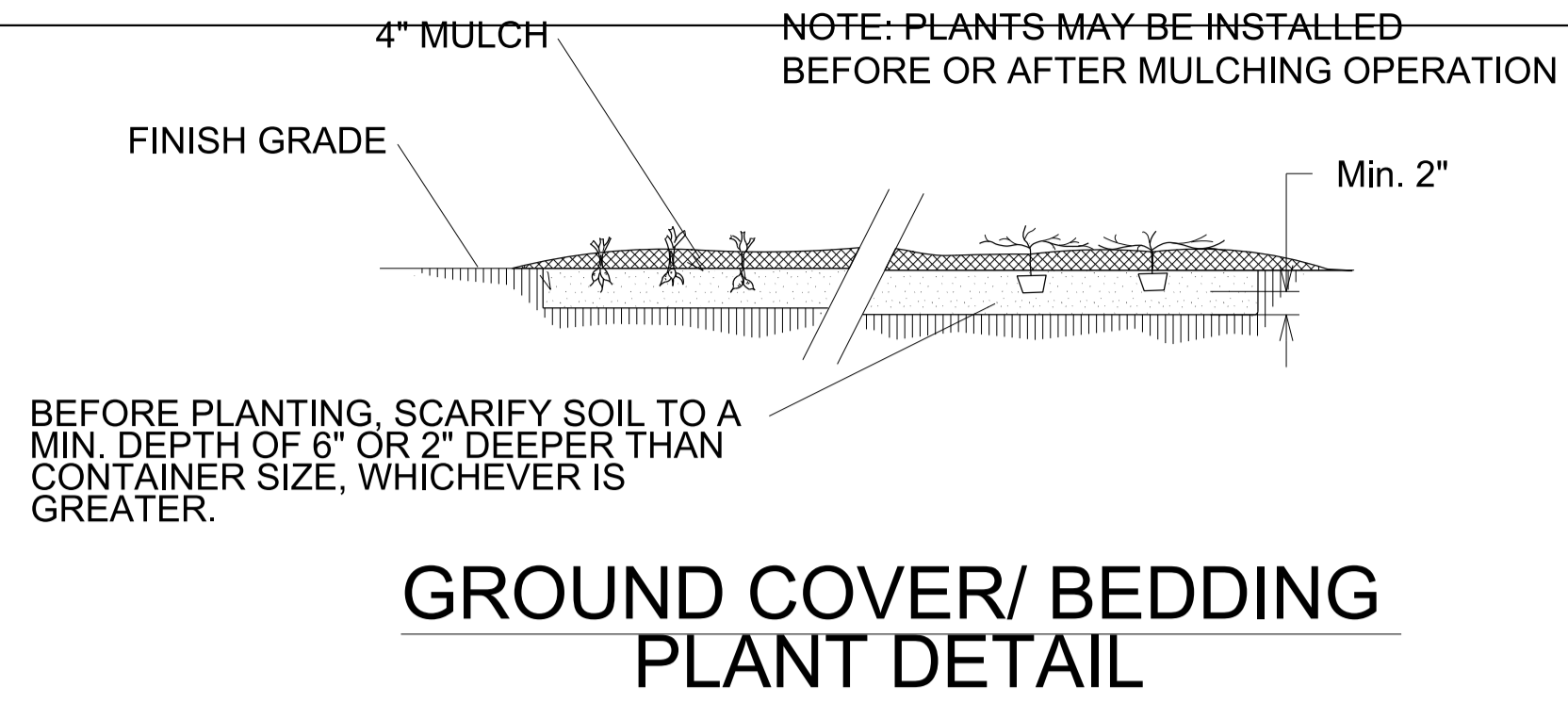


2004 American Standard for Nursery Stock
 2012 NCDOT STANDARD SPECIFICATIONS
 PREPARED IN THE OFFICE OF:
 NCDOT- ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT SECTION
 1557 MAIL SERVICE CENTER
 RALEIGH NC 27699 919-707-2935

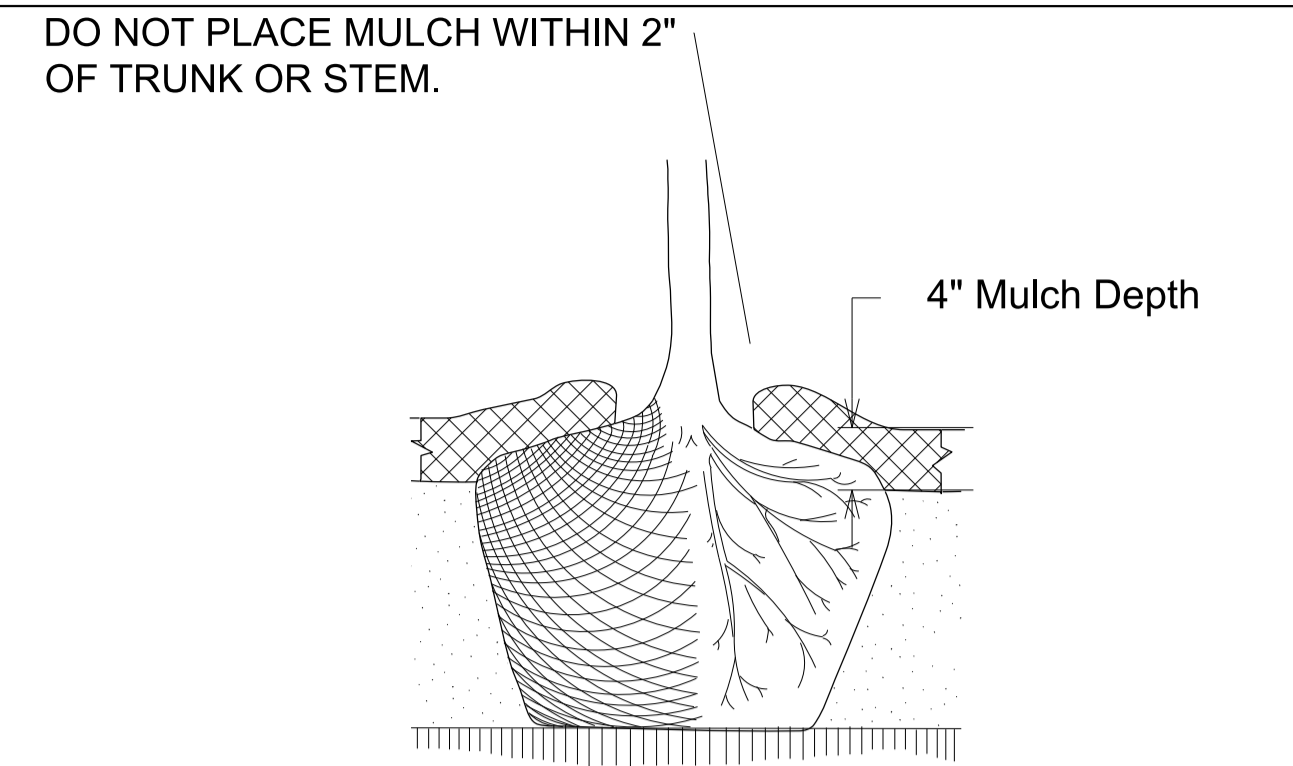


TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

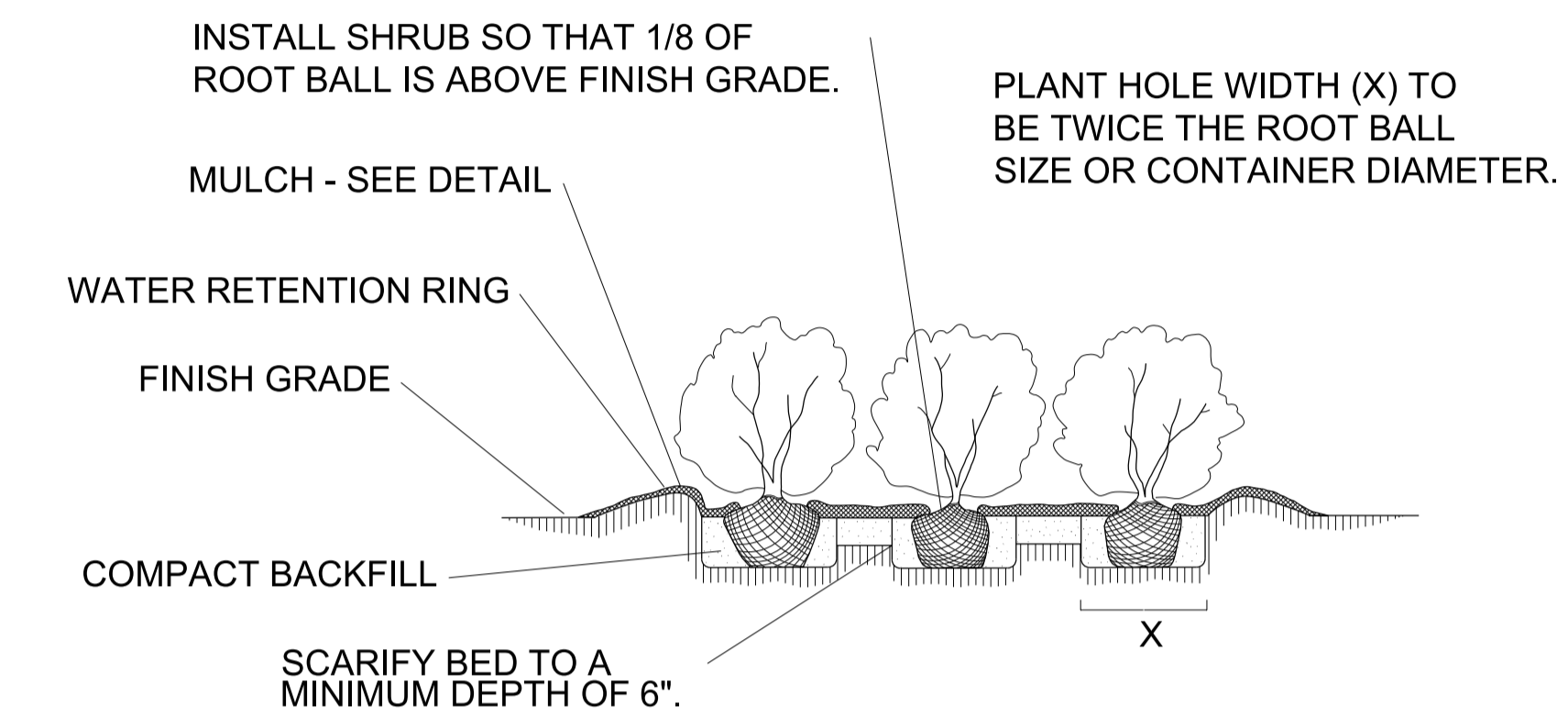
TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)



GROUND COVER/ BEDDING
PLANT DETAIL



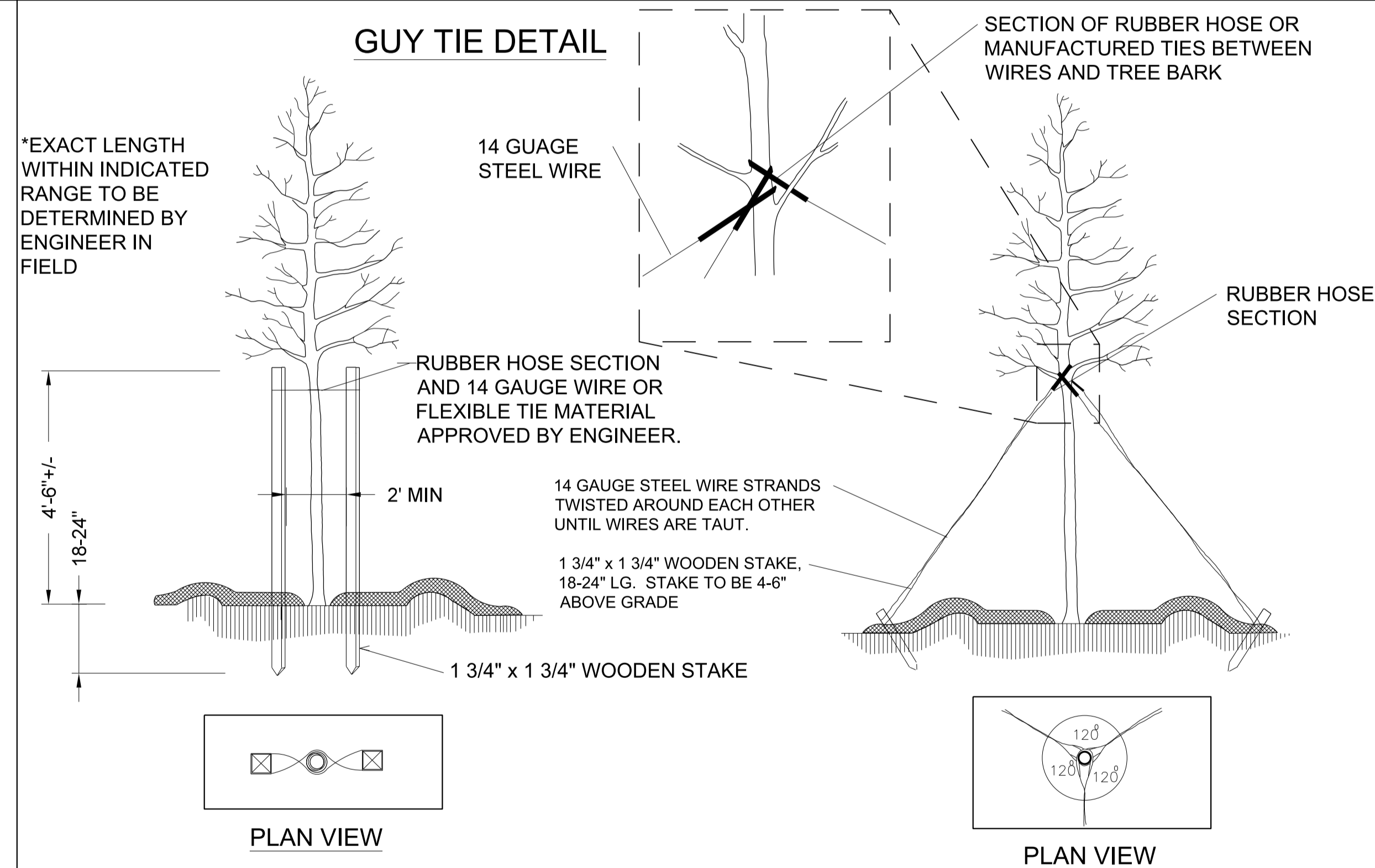
MULCH DETAIL



SHRUB BED PLANTING DETAIL

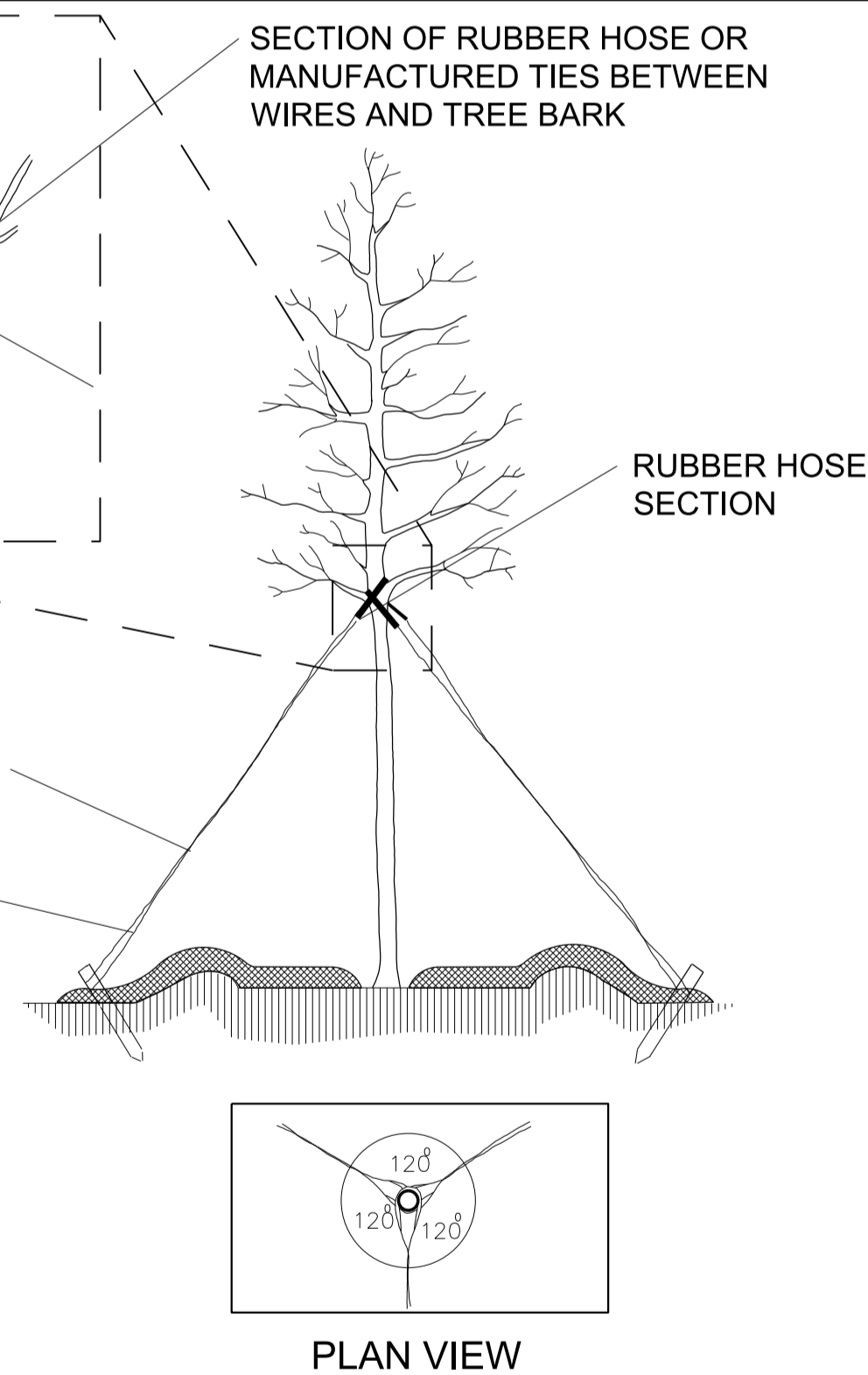
NOTES:

- 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.



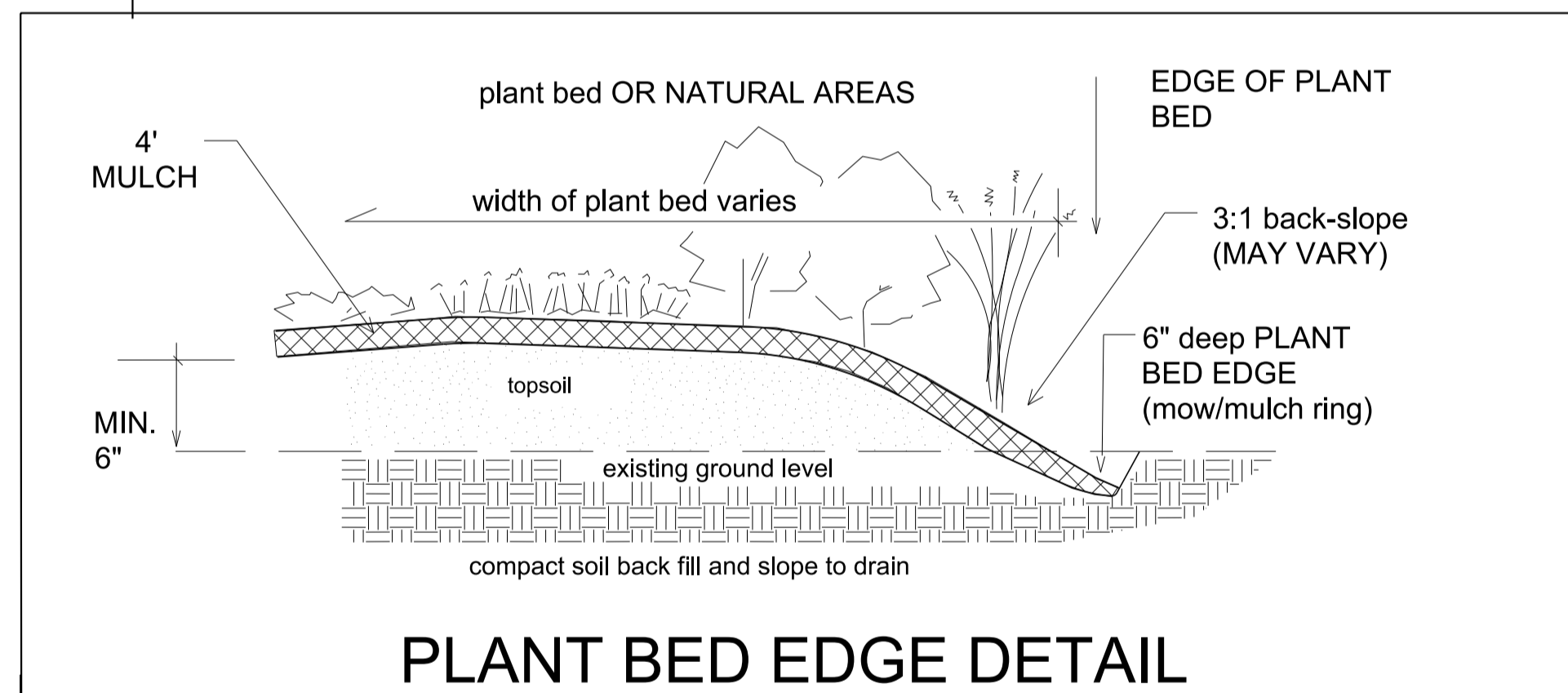
STAKING DETAIL
(TREES 6'-10')

USE AS DIRECTED BY FIELD ENGINEER

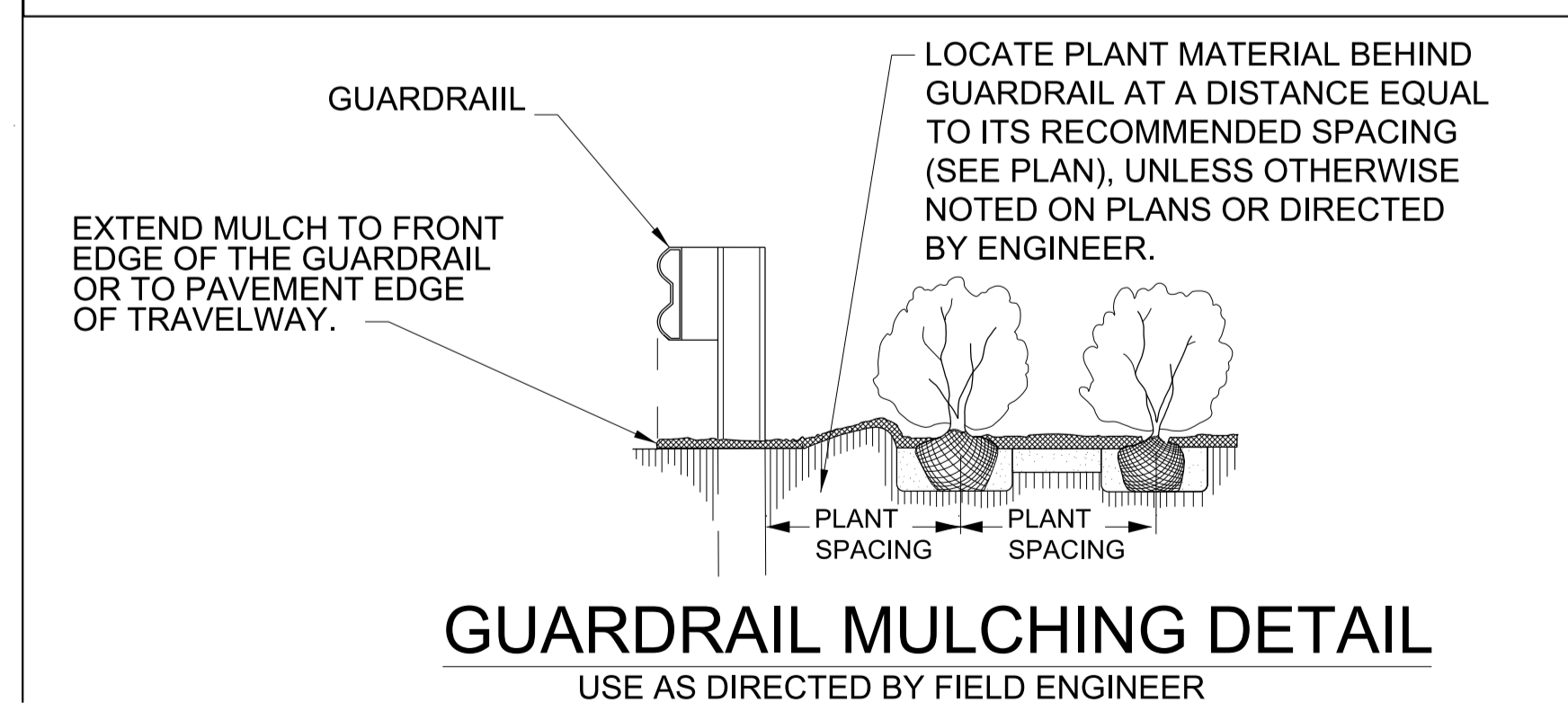


GUYING DETAIL
(TREES 10' OR LARGER)

USE AS DIRECTED BY FIELD ENGINEER

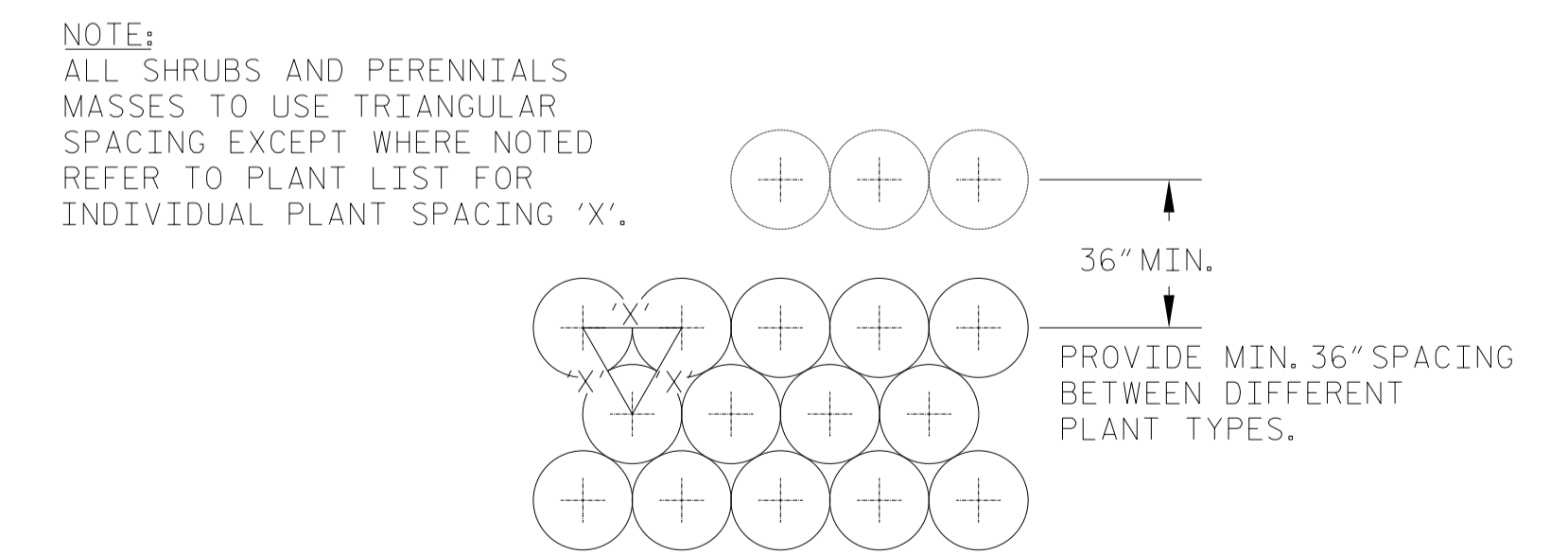


PLANT BED EDGE DETAIL

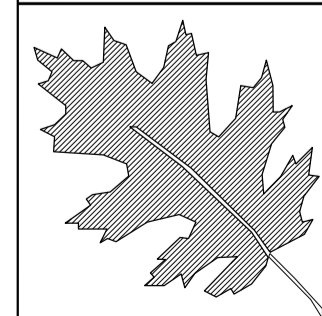


GUARDRAIL MULCHING DETAIL

USE AS DIRECTED BY FIELD ENGINEER



PLANT SPACING DETAIL

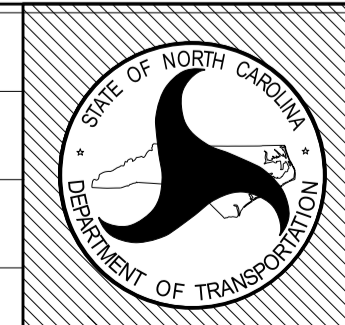


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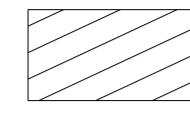
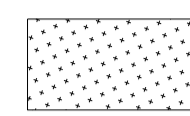
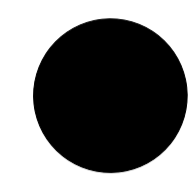
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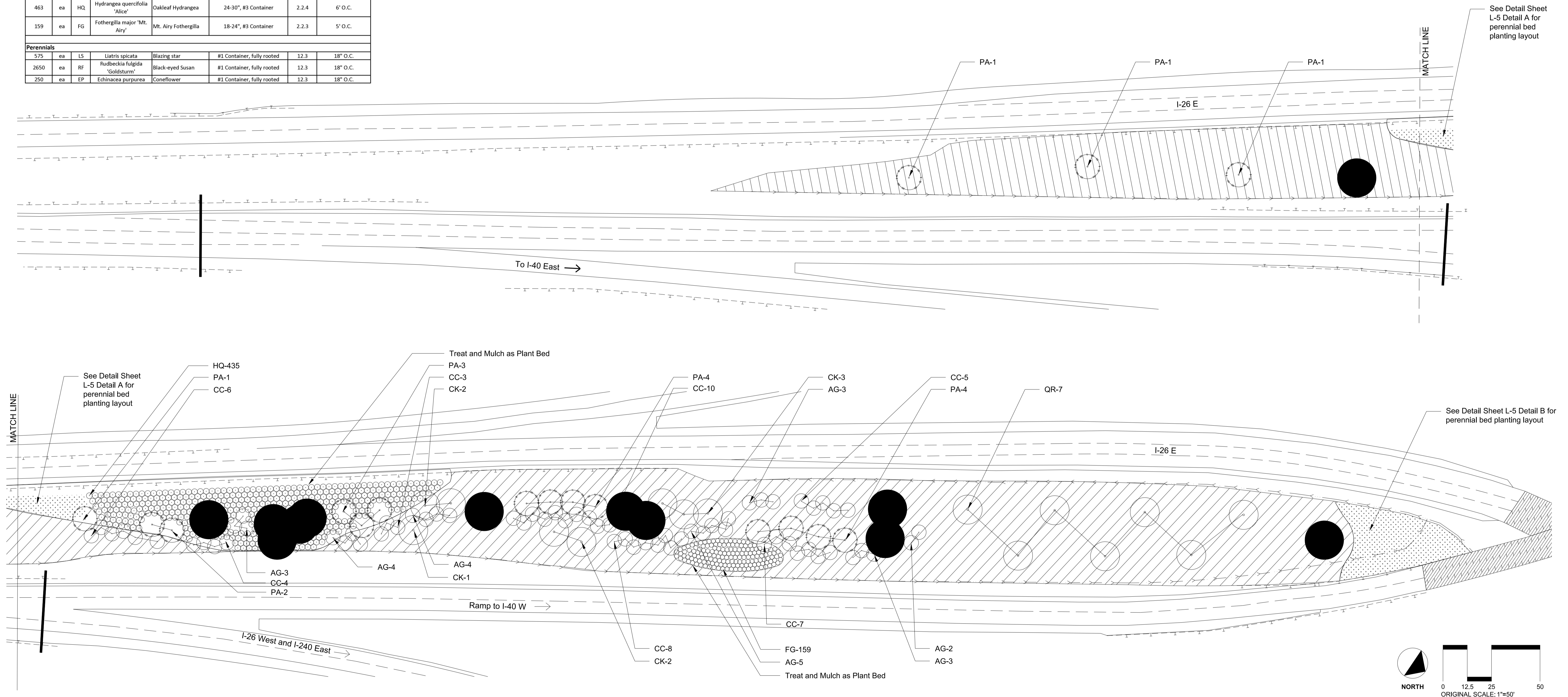
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final design date : July 24, 2015
last revision date : May 26, 2016


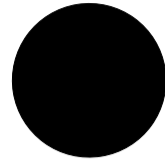
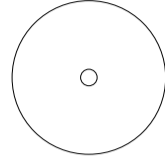


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total sheet no : **5**

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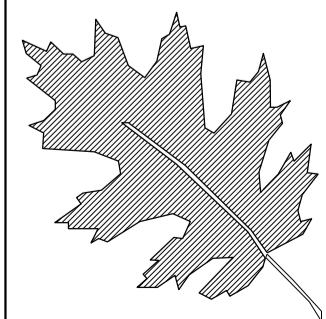
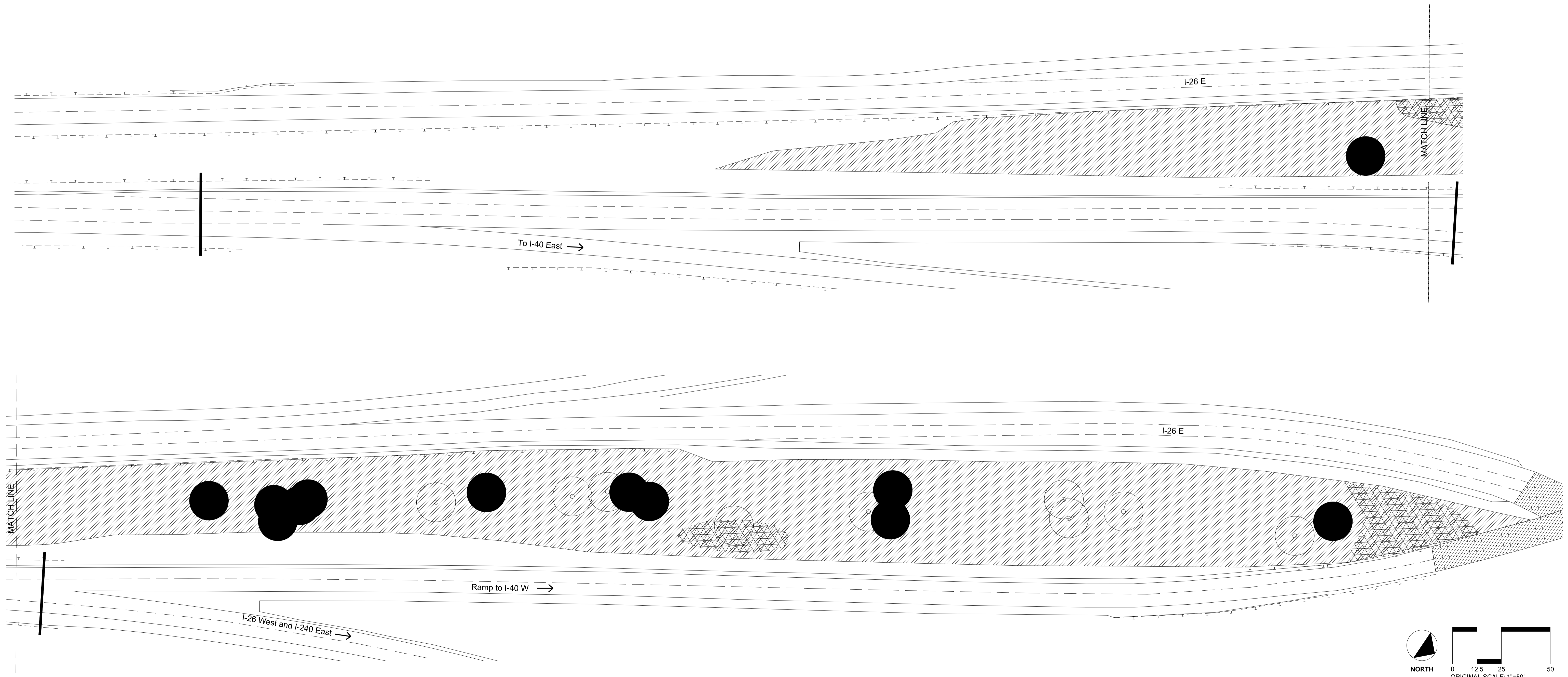
-  Area to receive Supplemental Seeding and fertilizer topdressing - 140,000 SF Total
-  Perennial Beds - 8,200 SF total
-  Existing Trees to Remain



-  Invasive Removal Area (3.9 Acres)
-  Existing Trees to Remain
-  Existing Trees to be Removed

NOTES

1. Trees identified to remain should be pruned up to a height of 10' and all woody vines removed.
2. Area designated as "invasive removal area" should be treated with a broadleaf herbicide per contract specifications.



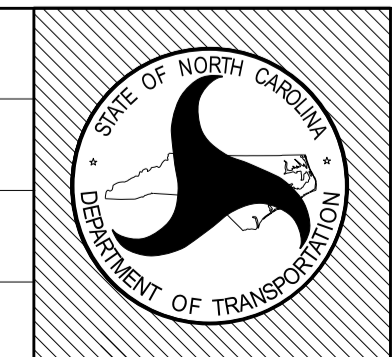
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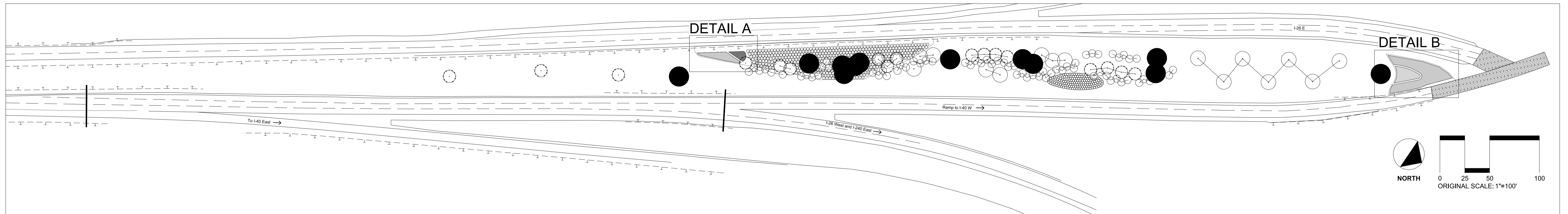
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Landscape Development
 Site Preparation Plan

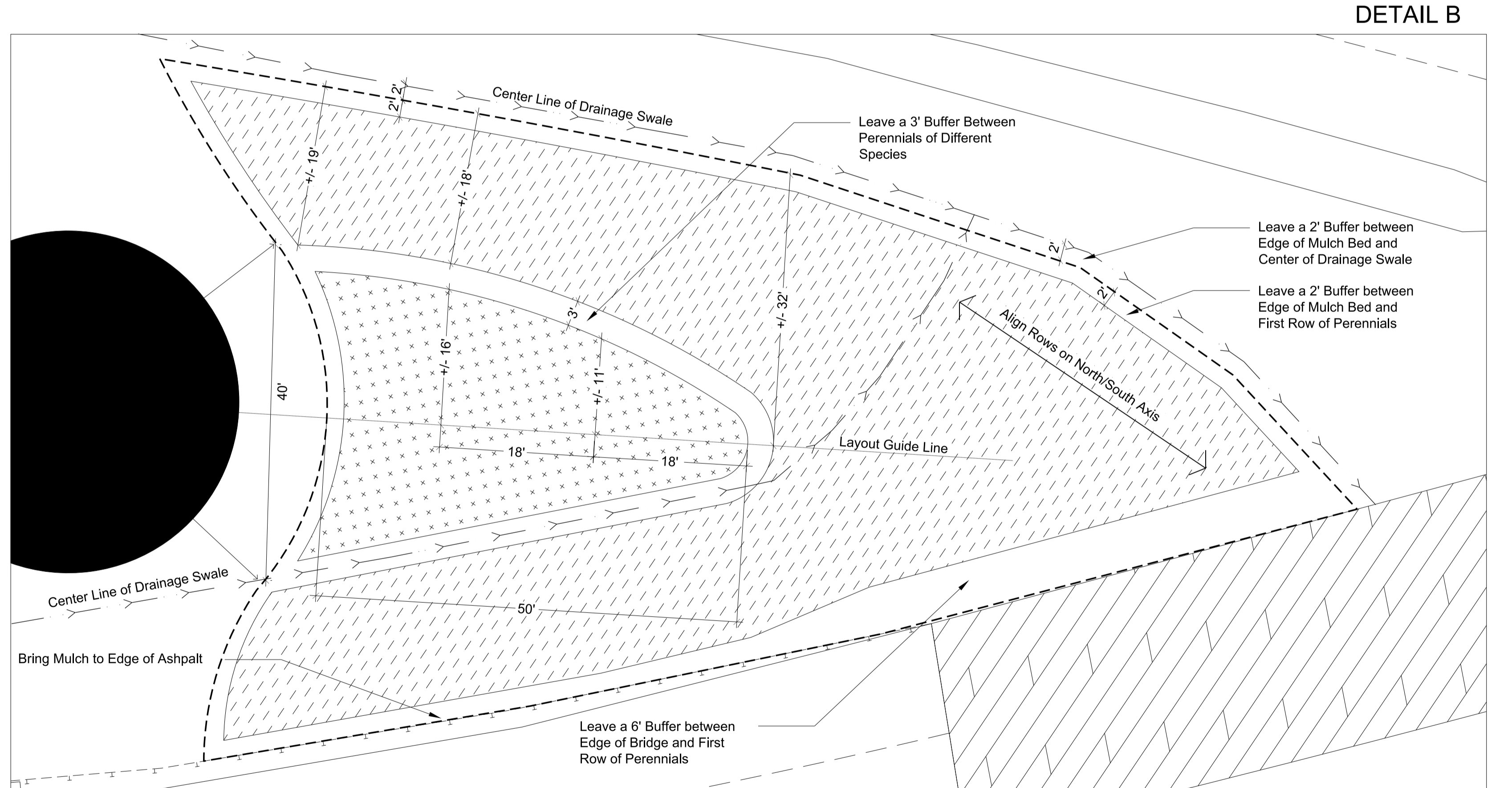
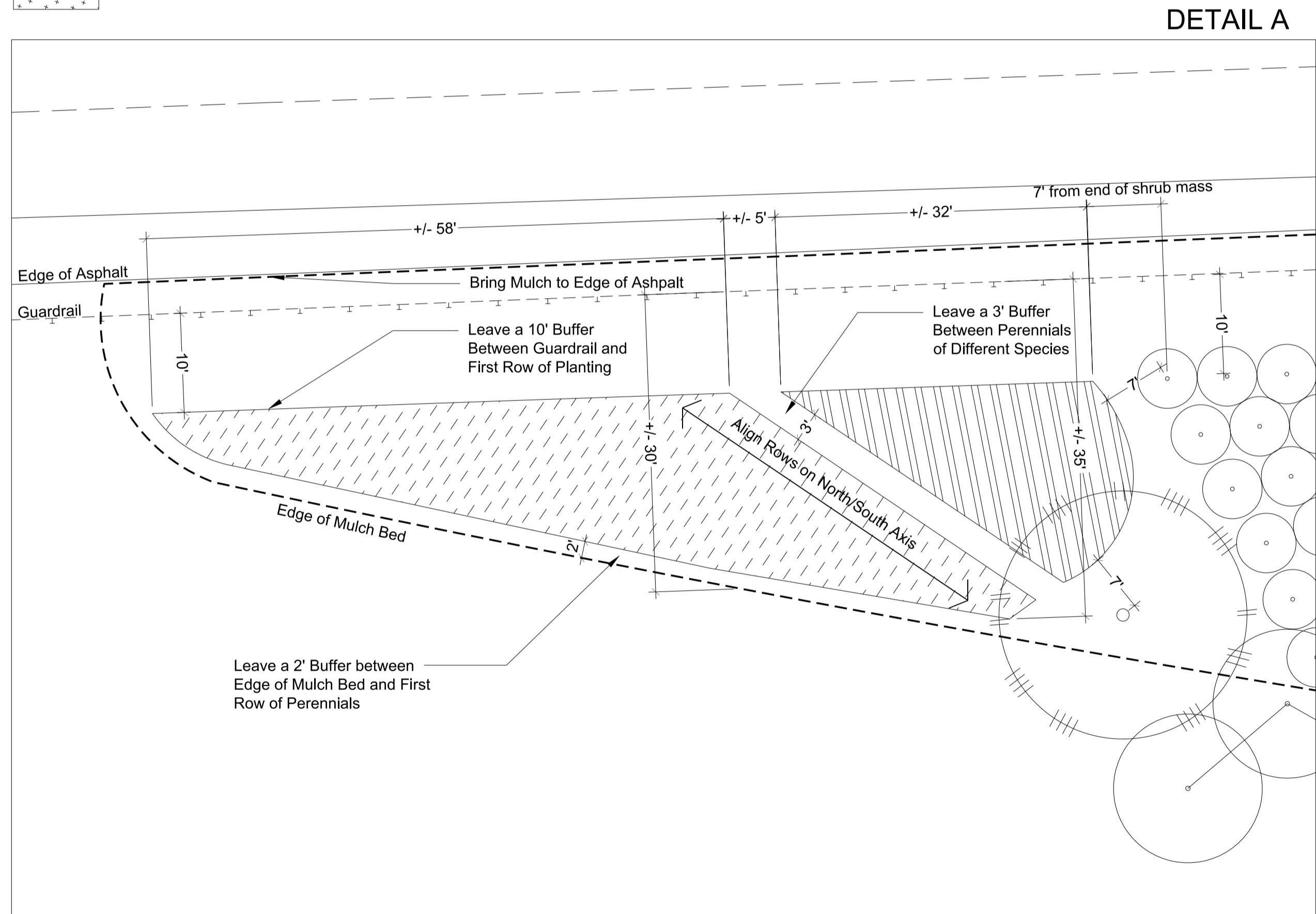
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sheet no :
 L - 4
 total sheet no : 5



- Rudbeckia fulgida 'Goldstrum'
- Echinacea purpurea
- Liatris spicata



NOTES

1. Perennials should be planted in staggered rows oriented on a North/South axis

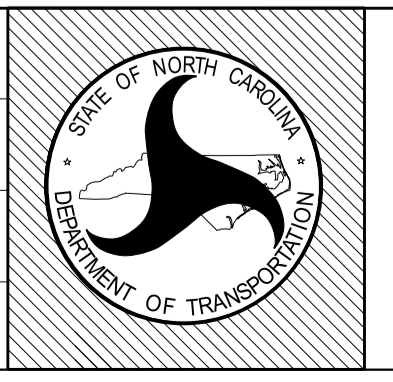


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L-5
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