

OPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT

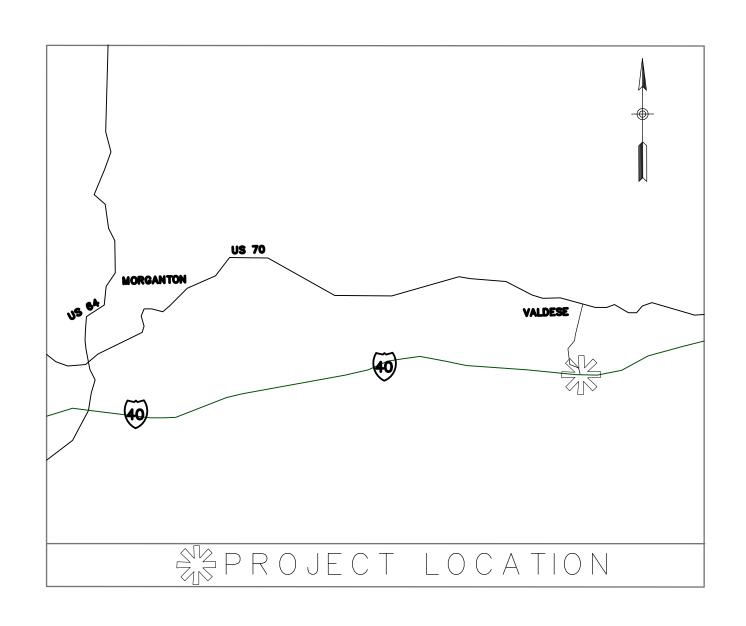
T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
	3713.3.31	L1	7
FED. PROJ. #	DESCRIPTION		DIVISION
	Landscape Rehabilitation and Enhancement Planting at 1-40 Exit 111		13

Valdese, NC

County Line

CONVENTIONAL SYMBOLS

ASHE SURRY STOKES OCKINGHA CASHELL PERSON WARREN WA
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SUMMARY OF QUANTITIES:

PLANT MATERIALS

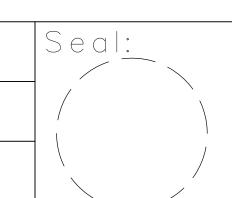
Qty	Unit	Key	Botanical Name	Common Name	Furnish	ASNS	Spacing
Trees						•	
19	ea	MP	Malus 'Prairifire'	Prairifire Crabapple	3" Cal./B&B, Single straight trunk, well-branched, matched specimens	1.2.3	40' O.C.
Shrubs				•			
150	ea	IV	Itea virginica 'Henry's Garnet'	Virginia Sweetspire	18-24", #3 Container	2.2.4	5' O.C.
150	ea	IG	llex glabra	Inkberry Holly	18-24", #3 Container	4.2.4	5' O.C.
Groundco	ver			•			
600	ea	НС	Hypericum calycinum	Creeping St. John's Wort	#1 Container, fully rooted	12.3	18" O.C.
OTHER ITE	MS						
Quantity	Unit	Description					
1125	SY	Post-En	Post-Emergence Herbicide Treatment for Plant Beds (10100 sf)				
1125	SY	Pre-Em	Pre-Emergence Herbicidal Treatment for Plant Beds (10100 sf)				
126	CY	Mulch f	Mulch for Planting (4" thick)				
2	M/G	Water f	Water for Planting				
120	LF	Remova	Removal of Existing Woven Wire Fence, Wood Post and Gate				
120	LF	Woven Wire Fence, 47" Fabric					
6	Each	4" Timber Fence Posts, 7'-6" Long					
5	Each	5" Timber Fence Posts, 8' Long					
1	Each	Single Gates, 4' High, 12' Wide, 12' Opening					
120	LF	Additional Barbed Wire					
0.11	Acre	Seeding and Mulching					
0.88	Acre	Selective Undergrowth Removal (38,500 sf)					
0.1	Acre	Clearing and Grubbing (4,500 SF)					
1	LS	Pruning of Existing Trees					
ESTABLISH							
	Unit	Descrip					
12	Cycle	Monthl	y Esablishment and Warra	nty Work			

GENERAL NOTES:

- 1. 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.
- 2. Exact locations of field staked plant materials to be approved by the Landscape Architec or Engineer in the field prior to installation.
- 3. 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.
- 4. 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.

- drawings.
- Square footages for Clearing & Grubbing areas and Selective undergrowth removal areas are approximate.
- 6. Align and equally space in all directions shrubs so designated per these notes and
- Square footages for Clearing & Grubbing areas and Selective undergrowth removal areas are approximate.





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 -Easement Line. Slope Stake Line Exist. Fence_ Prop. Woven Wire Fence _ Prop. Chain Link Fence _ Exist. Road Prop. Road_ Guardrail Survey Line . Denotes Line Equality Culvert _ Woods_

INDEX OF SHEETS:

- XXXX

L1 ... Title Sheet,

Exist. Telephone Pole_ Prop. Telephone Pole_ Tower Pole and Line _

Sanitary Sewer Line _

Exist. Power Pole Prop. Power Pole_

Water Line _ Gas Line _

Picnic Shelter

Regeneration _ Reforestation _

Summary of Quantities L2 ... Planting Detail Sheet

L3 ... Planting Plan

L4 ... Site Prep Plan

L5 ... Fence Details

L6 ... Fence Details

L7 ... Fence Details

RALEIGH NC 27699

PREPARED BY:

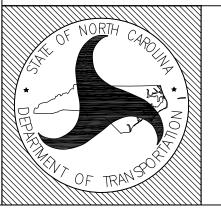
Design Workshop 60 Biltmore Ave. Suite 3C Asheville, NC 28801 (828) 225—6901 www.designworkshop.com

DAIL:	REVISIONS
12-18-14	Preliminary Design Concept
1-27-15	Revisions based on NCDOT site review
3-24-15	Final Revisions

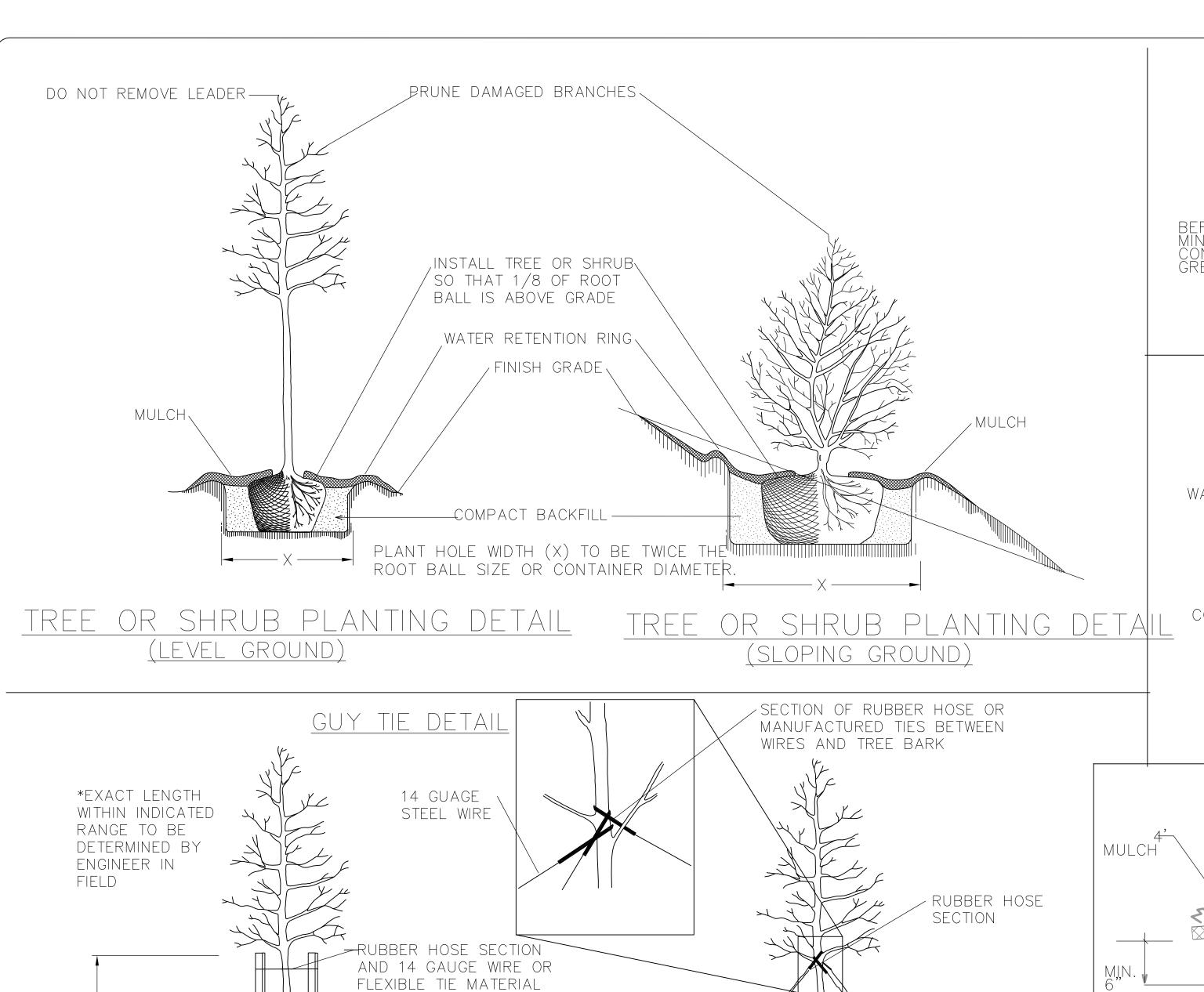
2004 American Standard for Nursery Stock 2012 NCDOT STANDARD SPECIFICATIONS PREPARED IN THE OFFICE OF:

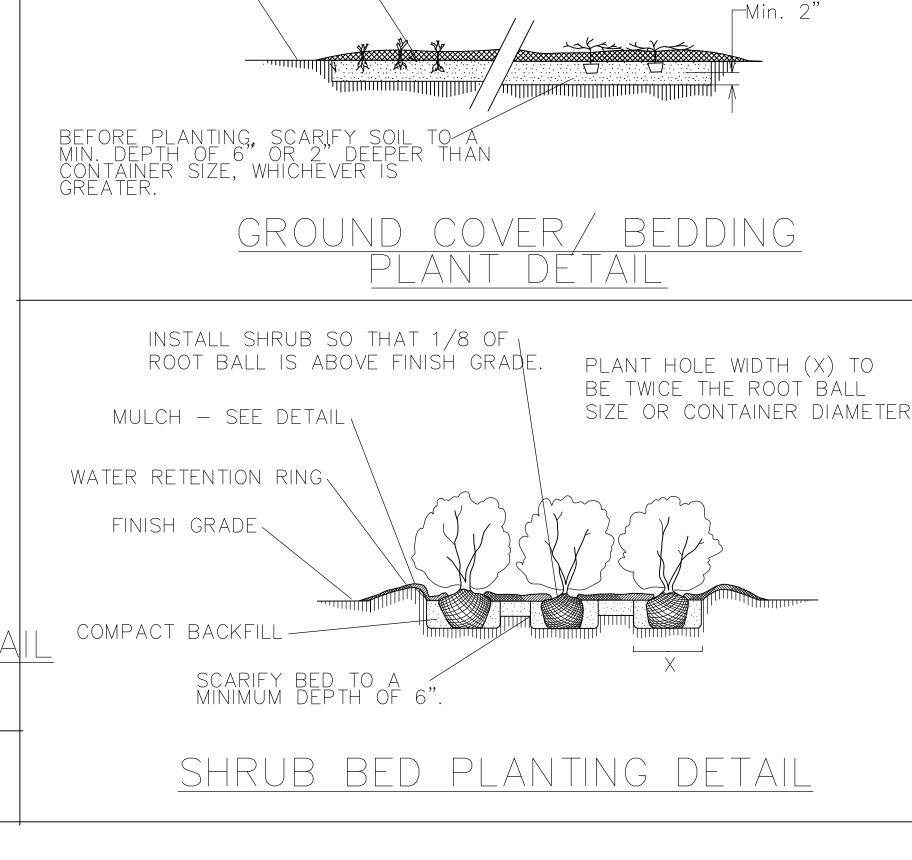
NCDOT- ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN & DEVELOPMENT SECTION 1557 MAIL SERVICE CENTER

919-707-2935



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION



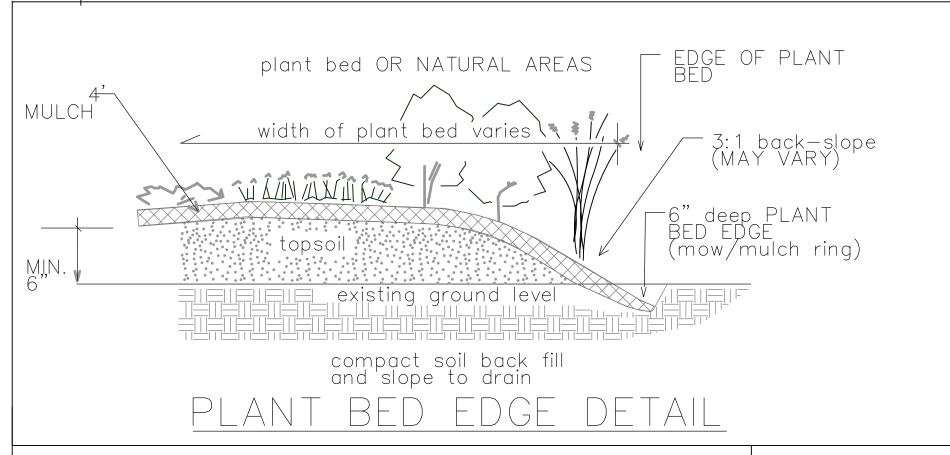


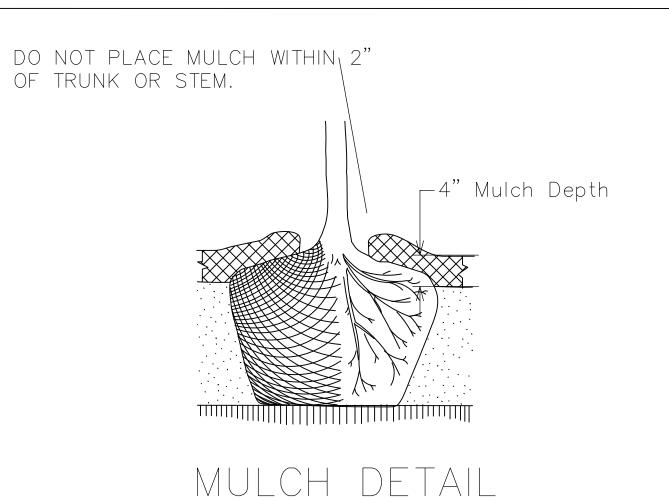
4" MULCH

FINISH GRADE

NOTE: PLANTS MAY BE INSTALLED

BEFORE OR AFTER MULCHING OPERATION





NOTES:

SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTÀINER 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.

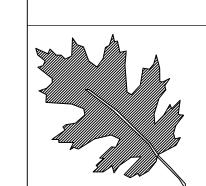
REMOVE WIRE BASKET AND FOLD BURLAP BACK FROM TOP OF ROOT BALL BEFORE BACKFILLING IS COMPLETE.

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.

- MAINTAIN MULCH EDGE AT A DISTANCE OF 6' GUARDRAIIL BEHIND GUARDRAIL, UNLESS OTHERWISE DIRECTED BY ENGINEER. GUARDRAIL MULCHING DETAIL USE AS DIRECTED BY FIELD ENGINEER



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<u>Plan view</u>

STAKING DETAIL

USE AS DIRECTED BY FIELD ENGINEER

(TREES 6'-10')

APPROVED BY ENGINEER.

14 GAUGE STEEL WIRE STRANDS

1 3/4" x 1 3/4" WOODEN STAKE, 18-24" LG. STAKE TO BE 4-6" ABOVE GRADE

TWISTED AROUND EACH OTHER UNTIL WIRES ARE TAUT.

3/4" x 1 3/4" WOODEN STAKE

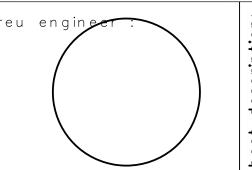
Landscape Renovation/Enhancement at I-40 Exit 111 Valdese, NC project #: 3713.3.31

<u>Plan view</u>

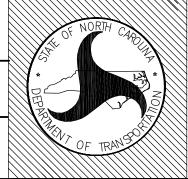
GUYING DETAIL

TREES 10'OR LARGER)

USE AS DIRECTED BY FIELD ENGINEER



	Planting Details	prel design date: December 17, 2014
		checked by & date : Connie Morgan January 8, 2015
;		final design date : March 24, 2015



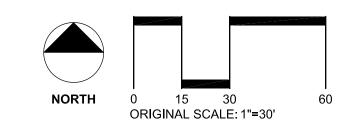
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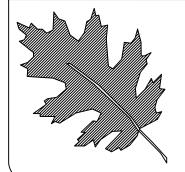


PLANT MATERIALS							
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Groundcover							
600	ea	НС	Hypericum calycinum	Creeping St. John's Wort	#1 Container, fully rooted	12.3	18" O.C.

Notes

1. Trees outside of designated mulch beds should be mulched individually



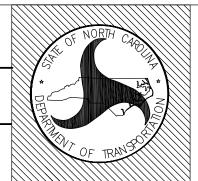


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Landscape Renovation/Enhancement reu enginerat I-40 Exit 111
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descri	Planting Plan	checked by & date : Connie Morgan January 8, 2015
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sheet no:





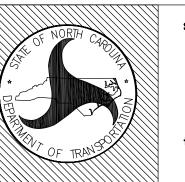
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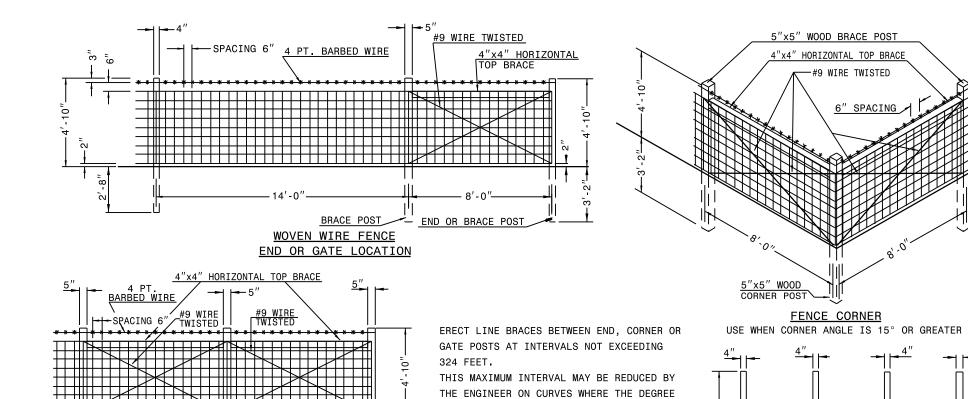
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Landscape Renovation/Enhancement reu enginerat I-40 Exit 111
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sheet no :



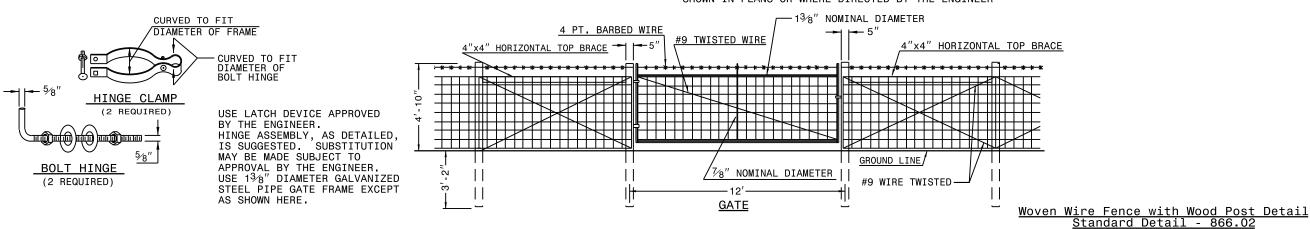
PLACE THE BRACE WIRE AROUND THE POST. DRAW WIRE TAUT BY TWISTING BETWEEN EACH POST. THIS APPLIES TO ALL BRACE WIRES. NOTCH POSTS FOR BRACES. PLACE TWO GALVANIZED 12d OR THREE GALVANIZED 10d ON ALL BRACES AT EACH END.

LINE BRACES (MAXIMUM SPACING 324')

-BRACE POSTS

POST FOR BLOCKING DRIVEWAYS OR OTHER ENTRANCES

INSTALL IN ADDITION TO FENCE WHERE SHOWN IN PLANS OR WHERE DIRECTED BY THE ENGINEER



OF CURVATURE IS GREATER THAN 3 DEGREES. PLACE LINE BRACES AT THE END OF EACH ROLL

OR PIECE OF WOVEN WIRE.



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HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP CHIEF ENG/ROADSIDE/

LANDSCAPE RENOVATION/ENHANCEMENT AT I-40 EXIT 111 VALDESE, NC PROJECT #: 3713.3.31

LANDSCAPE DEVELOPMENT

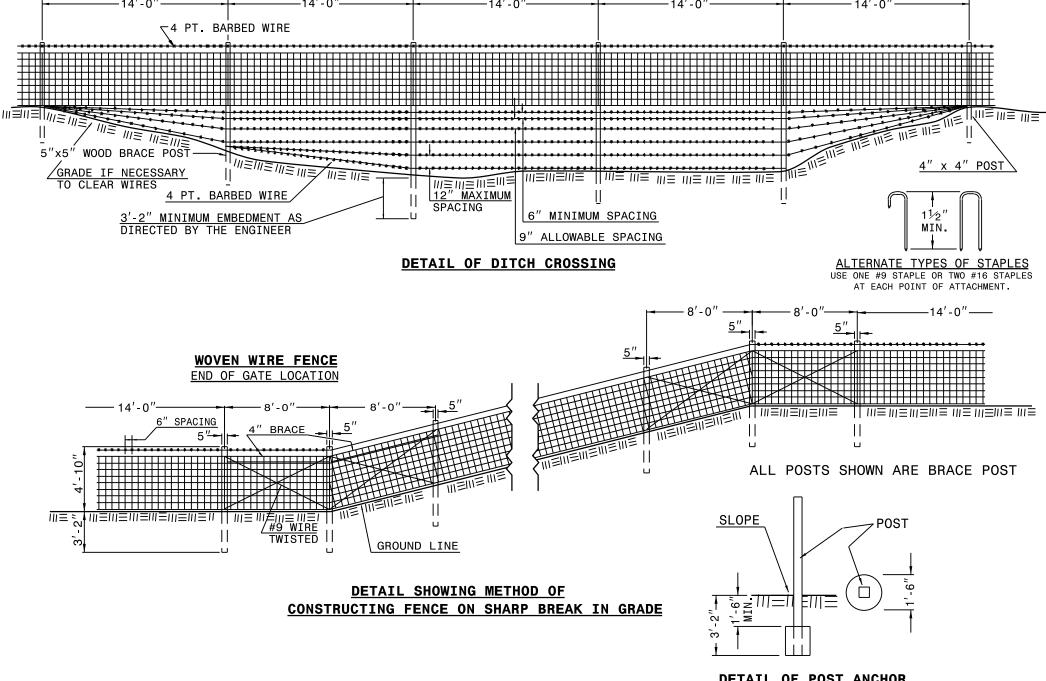
FENCE DETAILS

DEC. 17, 2014 CHECKED BY & DATE: JAN. 8, 2015

PRELIMINARY DESIGN DATE :



TOTAL SHEET NO :



DETAIL OF POST ANCHOR

USE AT GATE POSTS OR WHERE REQUIRED BY SOIL CONDITIONS. MAY ALSO BE USED IN LIEU OF SETTING POSTS TO A DEPTH OF 3'-2".

Woven Wire Fence with Wood Post Detail Standard Detail - 866.02



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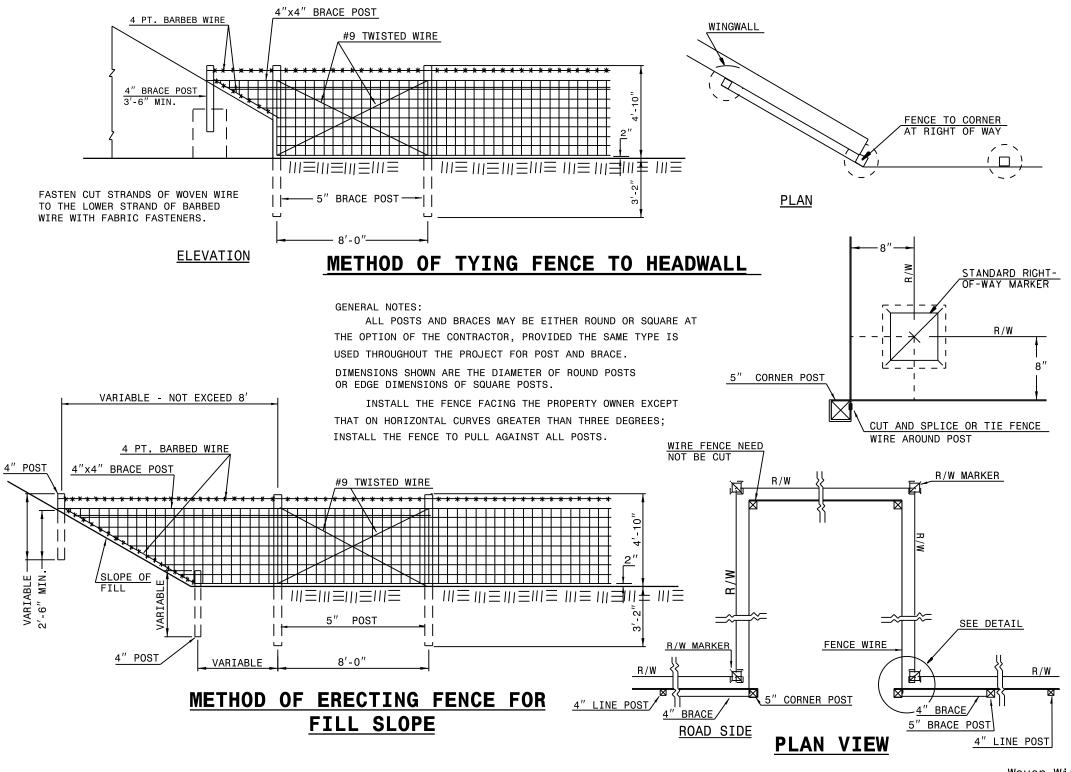
LANDSCAPE DEVELOPMENT FENCE DETAILS

PRELIMINARY DESIGN DATE : DEC. 17, 2014

CHECKED BY & DATE: JAN. 8, 2015



TOTAL SHEET NO :



Woven Wire Fence with Wood Post Detail Standard Detail - 866.02



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AT I-40 EXIT 111 VALDESE, NC PROJECT #: 3713.3.31

LANDSCAPE RENOVATION/ENHANCEMENT

LANDSCAPE DEVELOPMENT

PRELIMINARY DESIGN DATE:

DEC. 17, 2014

JAN. 8, 2015

OF TRANS

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HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP CHIEF ENG/ROADSIDE/

FENCE DETAILS FINAL DESIGN DATE:

MAR 24, 2015