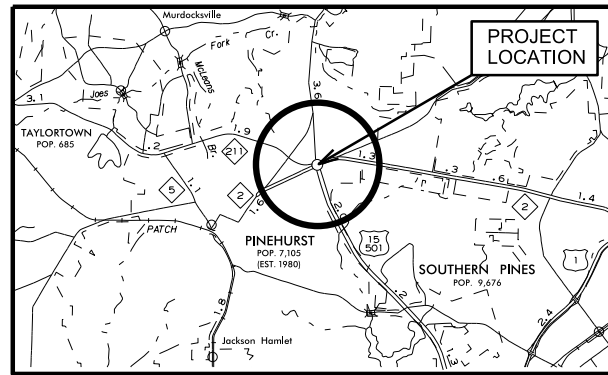


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	46305.3.39	1	4

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
MOORE COUNTY

LOCATION: PINEHURST TRAFFIC CIRCLE
TYPE OF WORK: 2017 FALL ANNUAL PLANTINGS



VICINITY MAP

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	-----E-----
Exist. Fence	-----+-----
Prop. Woven Wire Fence	-----○-----
Prop. Chain Link Fence	-----□-----
Exist. Road	=====
Prop. Road	=====
Guardrail	----- -----
Survey Line	-----+-----
Denotes Line Equality	-----●-----
Bridge	----- -----
Culvert	----- -----
Railroad	----- -----
Woods	-----X-----
Exist. Telephone Pole	-----○-----
Prop. Telephone Pole	-----○-----
Tower Pole and Line	-----○-----
Exist. Power Pole	-----○-----
Prop. Power Pole	-----○-----
Sanitary Sewer Line	-----SS-----
Water Line	----- -----
Gas Line	----- -----
Picnic Shelter	-----□-----
Regeneration	-----X-----
Reforestation	-----X-----
Large Deciduous Tree	-----○-----
Evergreen Tree	-----○-----
Small or Flowering Tree	-----○-----
Shrubs	-----○-----
Planting Bed	-----○-----

Summary of Quantities

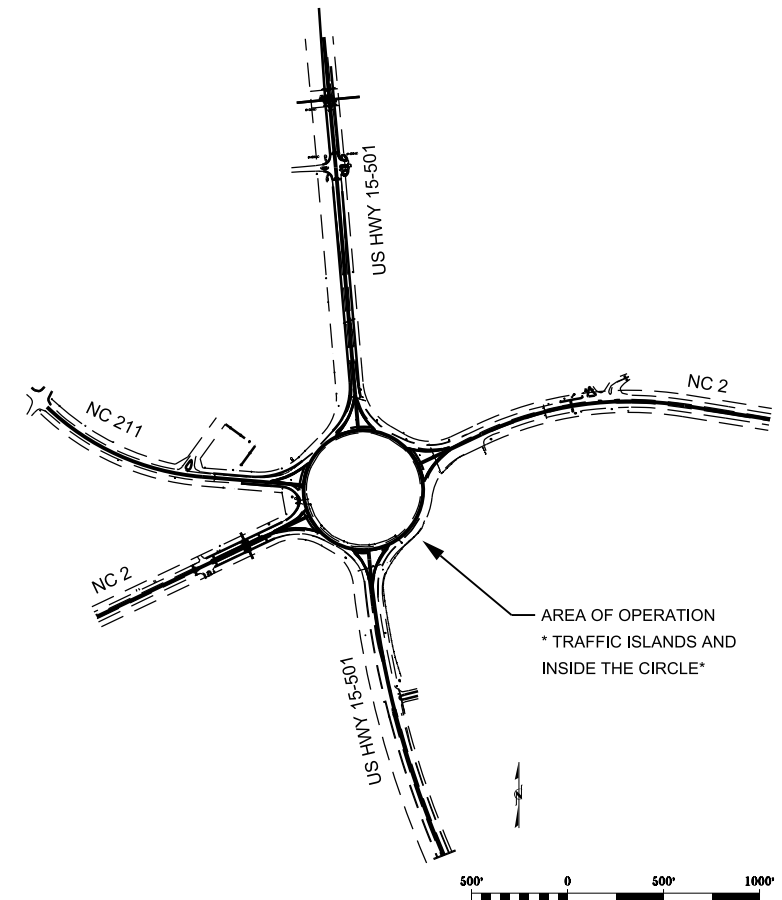
A) PLANT MATERIAL - Growing Contract (by others)						
Quantity	Unit	Key	Plant Name	Common name	Furnish	Spacing
106	Each Flat	YTV	Viola cornuta 'Sorbet YTT Viola'	Sorebt® XP YTT Viola	Flat of 18, Well rooted (1801)	8" O.C.
45	Each Flat	DOP	Viola x wittrockiana 'Panola Deep Orange'	Panola® XP Deep Orange Pansy	Flat of 18, Well rooted (1801)	8" O.C.
44	Each Flat	PP	Viola x wittrockiana 'Panola Pink Shades'	Panola® Pink Shades Pansy	Flat of 18, Well rooted (1801)	8" O.C.
77	Each Flat	RBP	Viola x wittrockiana 'Matrix Red Blotch'	Matrix® Red Blotch Pansy	Flat of 18, Well rooted (1801)	8" O.C.
90	Each Flat	TBP	Viola x wittrockiana 'Panola True Blue'	Panola® XP True Blue Pansy	Flat of 18, Well rooted (1801)	8" O.C.
109	Each Flat	WP	Viola x wittrockiana 'Panola White'	Panola® XP White Pansy	Flat of 18, Well rooted (1801)	8" O.C.
116	Each Flat	YP	Viola x wittrockiana 'Panola Yellow'	Panola® XP Yellow Pansy	Flat of 18, Well rooted (1801)	8" O.C.
1	EA		Delivery			
B) INSTALLATION						
Quantity	Unit	Item Description				
1	LS	Traffic Control				
543	SY	Plant Bed Preparation				
9,547	EA	Installation of Annuals, 18 per Flat				
6	EA	Plant Bed Maintenance				

TOTAL NUMBER OF FLATS NOTED INCLUDES 10% OVERAGE

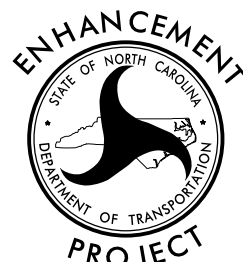
Notes:

The contractor and the engineer will coordinate the delivery of the annuals prior to installation. The proposed time schedule and the desired delivery locations will be agreed upon prior to the initiation of work.

The total number of annuals, as noted above, will include an additional 10% for replacements to be used ONLY as directed by the NCDOT engineer.



2017 FALL
ANNUALS
PLANTING



INDEX OF SHEETS :

TITLE, DESCRIPTION, & SUMMARY OF QUANTITIES	-----	L1
CIRCLE LAYOUT & BED QUANTITIES	-----	L2
DETAIL A & B PLAN	-----	L3
DETAIL C, D, & E PLAN	-----	L4

ROADSIDE ENVIRONMENTAL UNIT
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2012 STANDARD SPECIFICATIONS

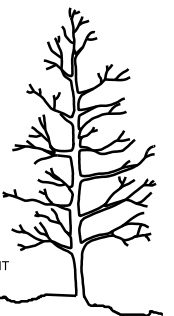
Drawn By: SKC Design Section May 2, 2017

NOTES:

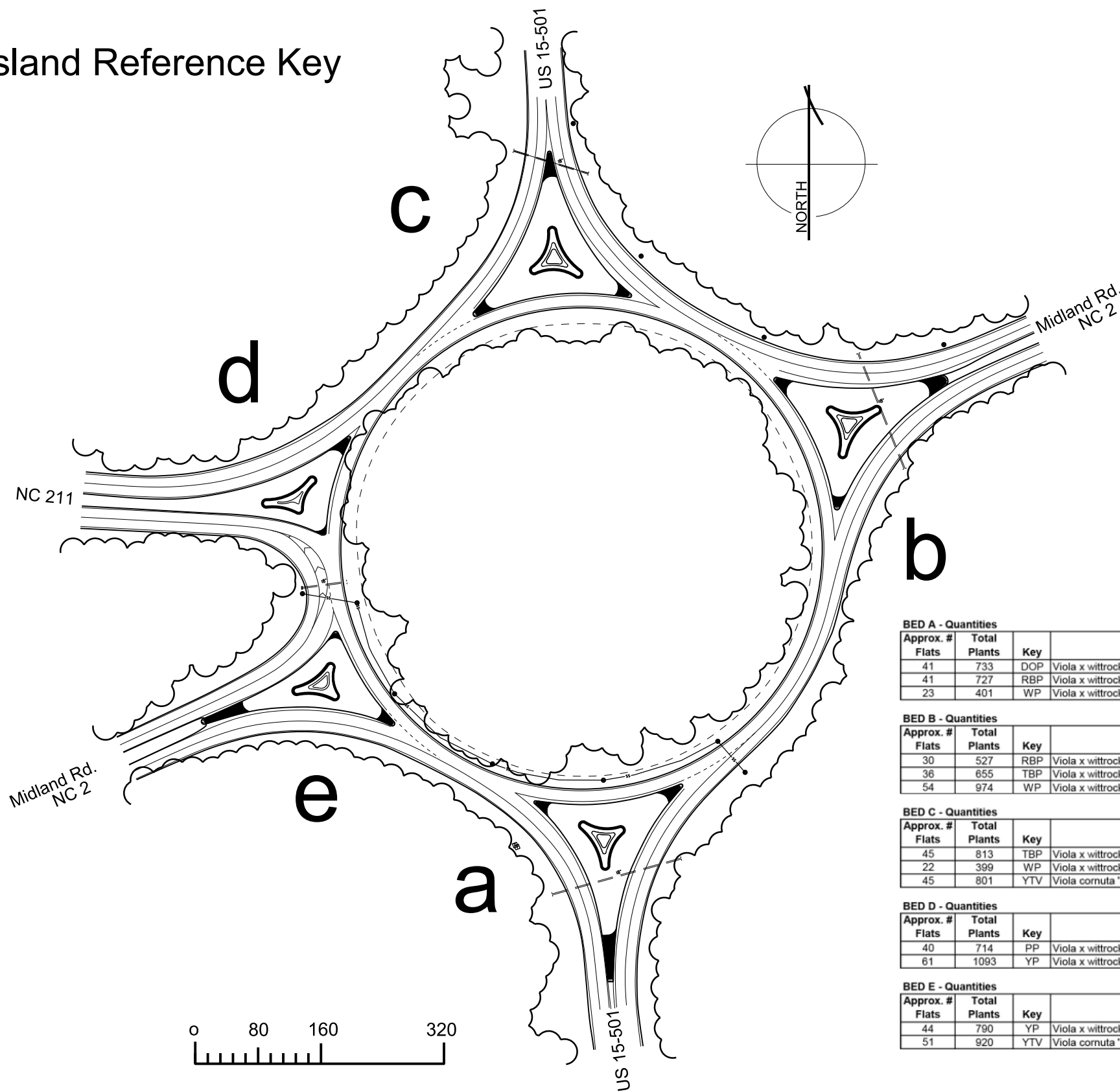
THE CONTRACTOR SHALL CONSULT THE DIVISION'S SPECIAL PROVISIONS FOR PROCEDURES FOR PREPARING ANNUAL BEDS, INSTALLATION, FUMIGATION, AND PLANT BED AMENDMENTS. THE INSTALLATION SHALL NOT TAKE PLACE UNTIL THESE SPECIAL PROVISIONS ARE REVIEWED AND AGREED UPON.

ALL ANNUALS SHALL BE SPACED ON 12" AND/OR 8" CENTERS. ANNUALS SHALL BE PLANTED AT THE PROPER DEPTH ACCORDING TO THE SOIL LEVEL. THE SOIL SHALL BE FIRMLY PLACED AROUND THE PLANTS, AND 2" OF SOIL AMENDMENTS SHALL BE ADDED TO EACH PLANT BED AS DIRECTED BY THE ENGINEER IN THE FIELD. MULCH SHALL BE APPLIED TO THE BEDS AFTER PLANTING IS COMPLETE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO DETERMINE THE PREFERRED DELIVERY DATES AND THE APPROPRIATE QUANTITIES OF ANNUALS FOR EACH PLANT BED AREA.

ALL PLANTS SHALL BE WATERED IN IMMEDIATELY FOLLOWING THE PLANTING OPERATION. NO PORTION OF PLANTING SHALL GO UNWATERED OVERNIGHT. WATER THE SAME DAY AS THE PLANT INSTALLATION.



Island Reference Key



Quantity of annuals per plant bed

BED A - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
41	733	DOP	Viola x witrockiana 'Panola Deep Orange'	Panola® XP Deep Orange Pansy	Flat of 18, Well rooted (1801)	8" O.C.
41	727	RBP	Viola x witrockiana 'Matrix Red Blotch'	Matrix® Red Blotch Pansy	Flat of 18, Well rooted (1801)	8" O.C.
23	401	WP	Viola x witrockiana 'Panola White'	Panola® XP White Pansy	Flat of 18, Well rooted (1801)	8" O.C.

BED B - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
30	527	RBP	Viola x witrockiana 'Matrix Red Blotch'	Matrix® Red Blotch Pansy	Flat of 18, Well rooted (1801)	8" O.C.
36	655	TBP	Viola x witrockiana 'Panola True Blue'	Panola® XP True Blue Pansy	Flat of 18, Well rooted (1801)	8" O.C.
54	974	WP	Viola x witrockiana 'Panola White'	Panola® XP White Pansy	Flat of 18, Well rooted (1801)	8" O.C.

BED C - Quantities

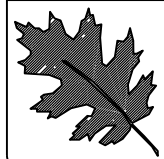
Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
45	813	TBP	Viola x witrockiana 'Panola True Blue'	Panola® XP True Blue Pansy	Flat of 18, Well rooted (1801)	8" O.C.
22	399	WP	Viola x witrockiana 'Panola White'	Panola® XP White Pansy	Flat of 18, Well rooted (1801)	8" O.C.
45	801	YTV	Viola cornuta 'Sorbet YTT Viola'	Sorebt® XP YTT Viola	Flat of 18, Well rooted (1801)	8" O.C.

BED D - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
40	714	PP	Viola x witrockiana 'Panola Pink Shades'	Panola® Pink Shades Pansy	Flat of 18, Well rooted (1801)	8" O.C.
61	1093	YP	Viola x witrockiana 'Panola Yellow'	Panola® XP Yellow Pansy	Flat of 18, Well rooted (1801)	8" O.C.

BED E - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
44	790	YP	Viola x witrockiana 'Panola Yellow'	Panola® XP Yellow Pansy	Flat of 18, Well rooted (1801)	8" O.C.
51	920	YTV	Viola cornuta 'Sorbet YTT Viola'	Sorebt® XP YTT Viola	Flat of 18, Well rooted (1801)	8" O.C.



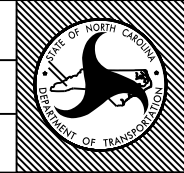
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 landscape design & Development
 1557 mail service center raleigh nc 27699-1557
 ph: 919-707-2935 fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Pinehurst Traffic Circle
 2017 Fall Annual Plantings
 Contract #:

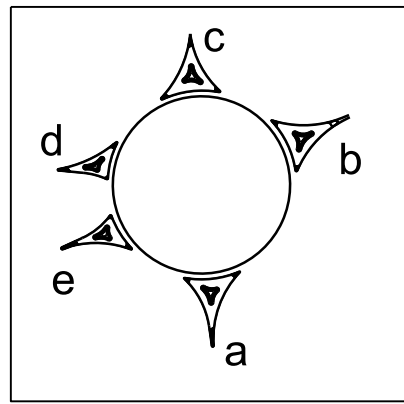
Prepared by:
 Kyle Cooper

prel. design date: May 2017
 checked by & date:
 final design date: May 2017

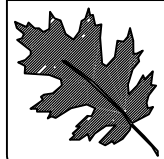
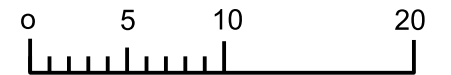
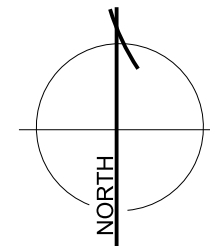
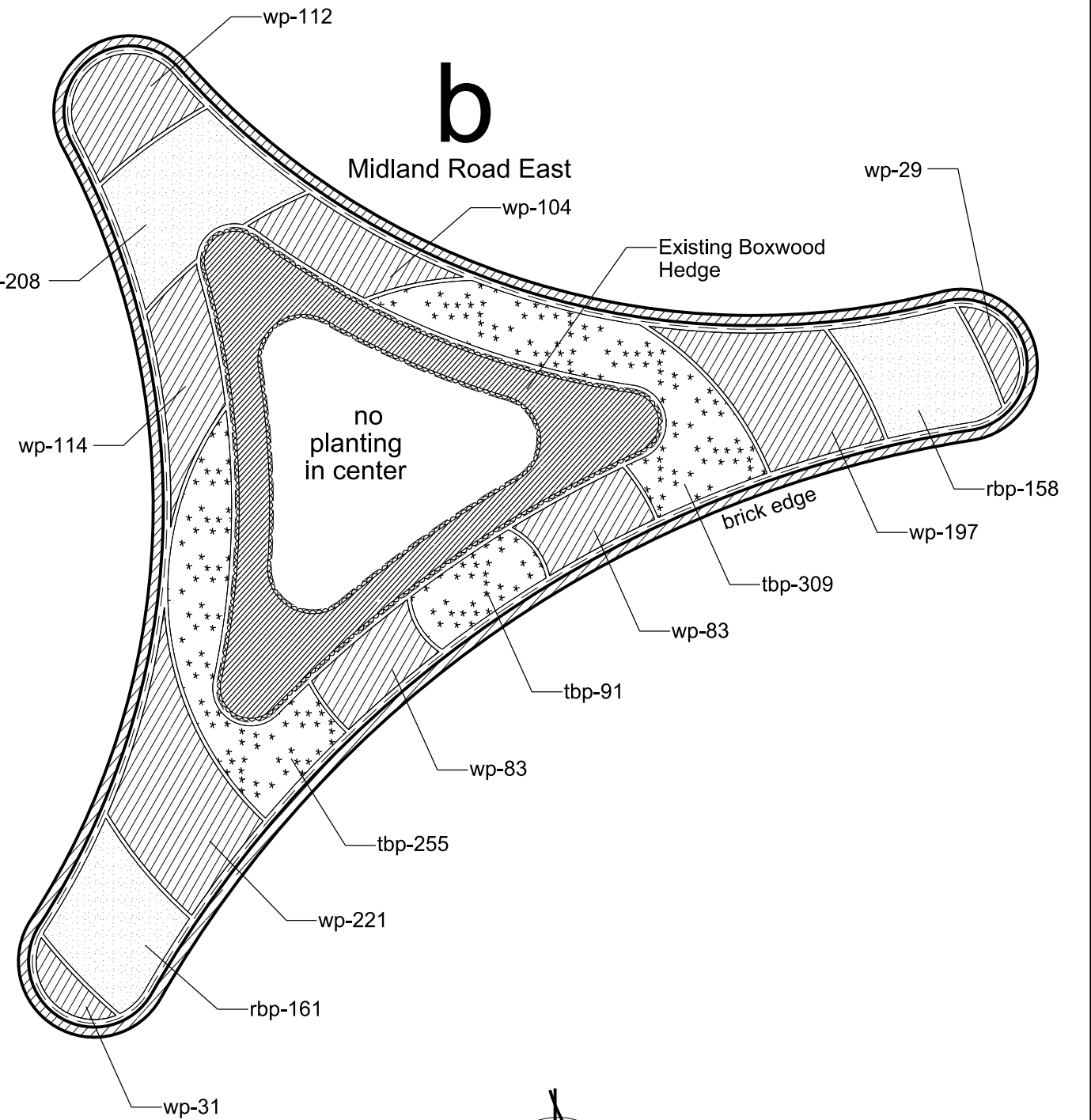
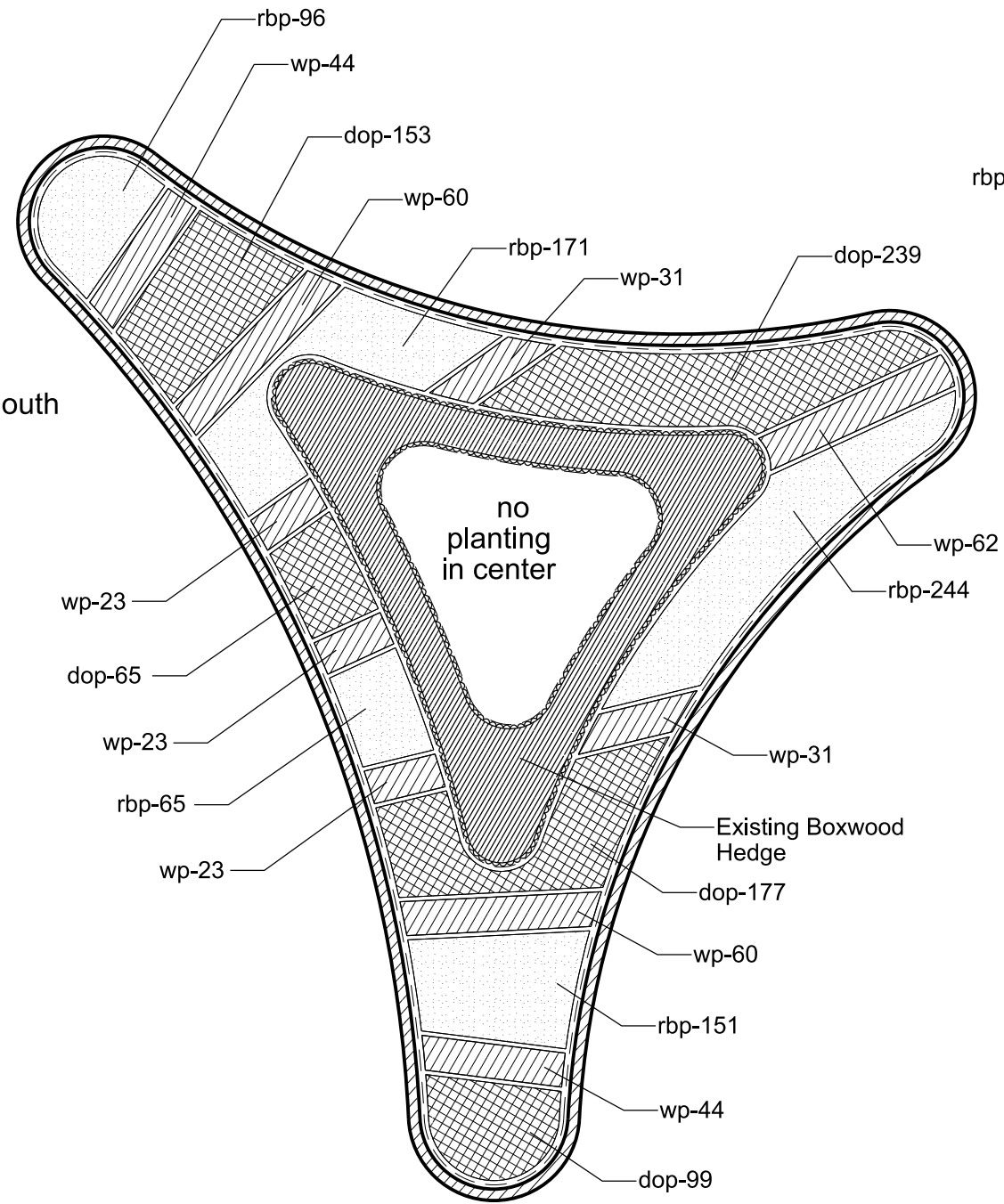
Traffic Circle Islands
 Circle Reference Key



T.I.P. # ER-5600HF
 WBS # 46305.3.39
 FED I.D. # STBG-0829(008)
 sheet no.: L-2 total sheet no.: 4



a
US 15-501 South



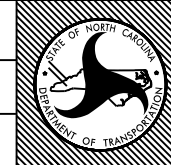
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 landscape design & Development
 1557 mail service center raleigh nc 27699-1557
 ph: 919-707-2935 fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Pinehurst Traffic Circle
 2017 Fall Annual Plantings
 Contract #:

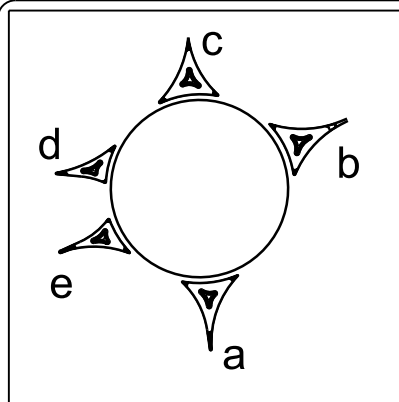
Prep. Designer
Kyle Cooper

sheet description:	prel. design date:	May 2017
	checked by & date:	
	final design date:	May 2017

Traffic Circle Islands
Interior Plant Beds
Islands A & B



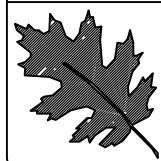
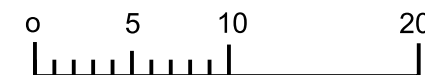
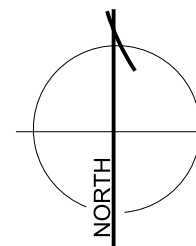
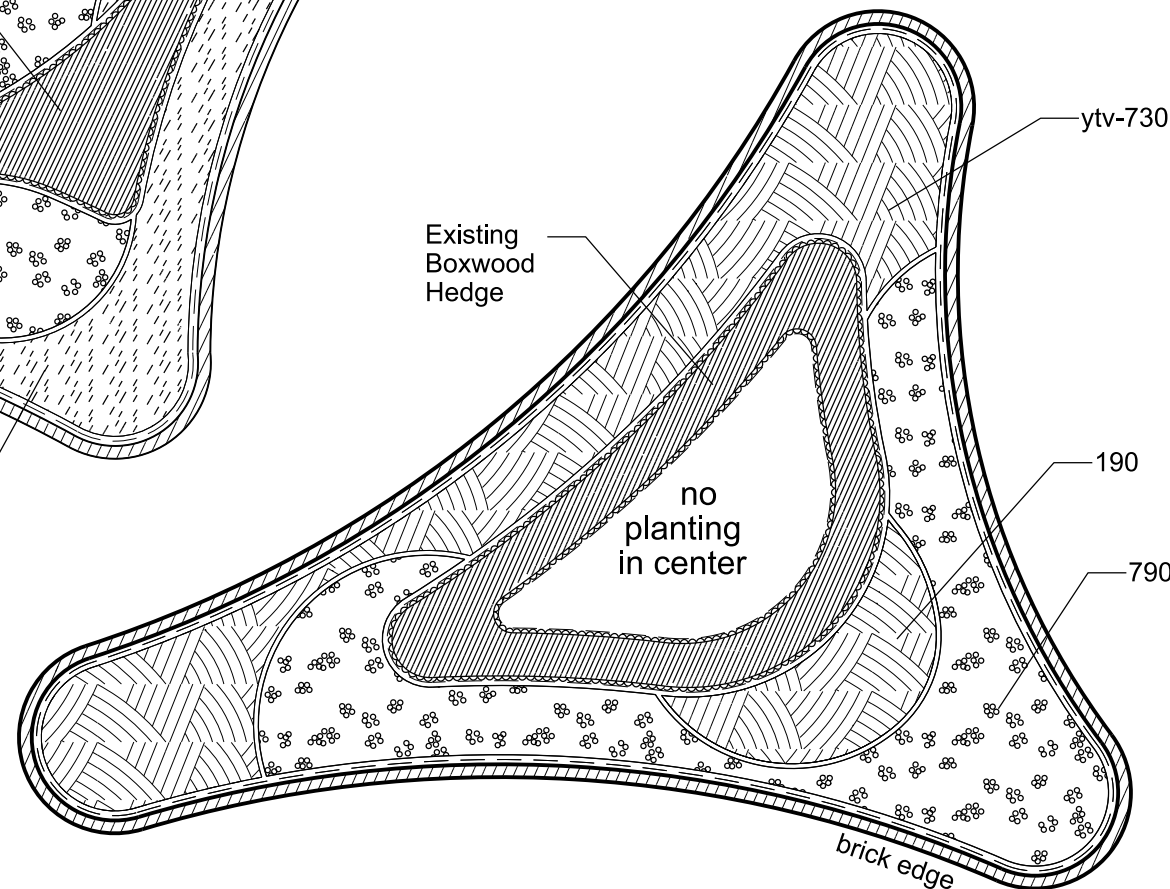
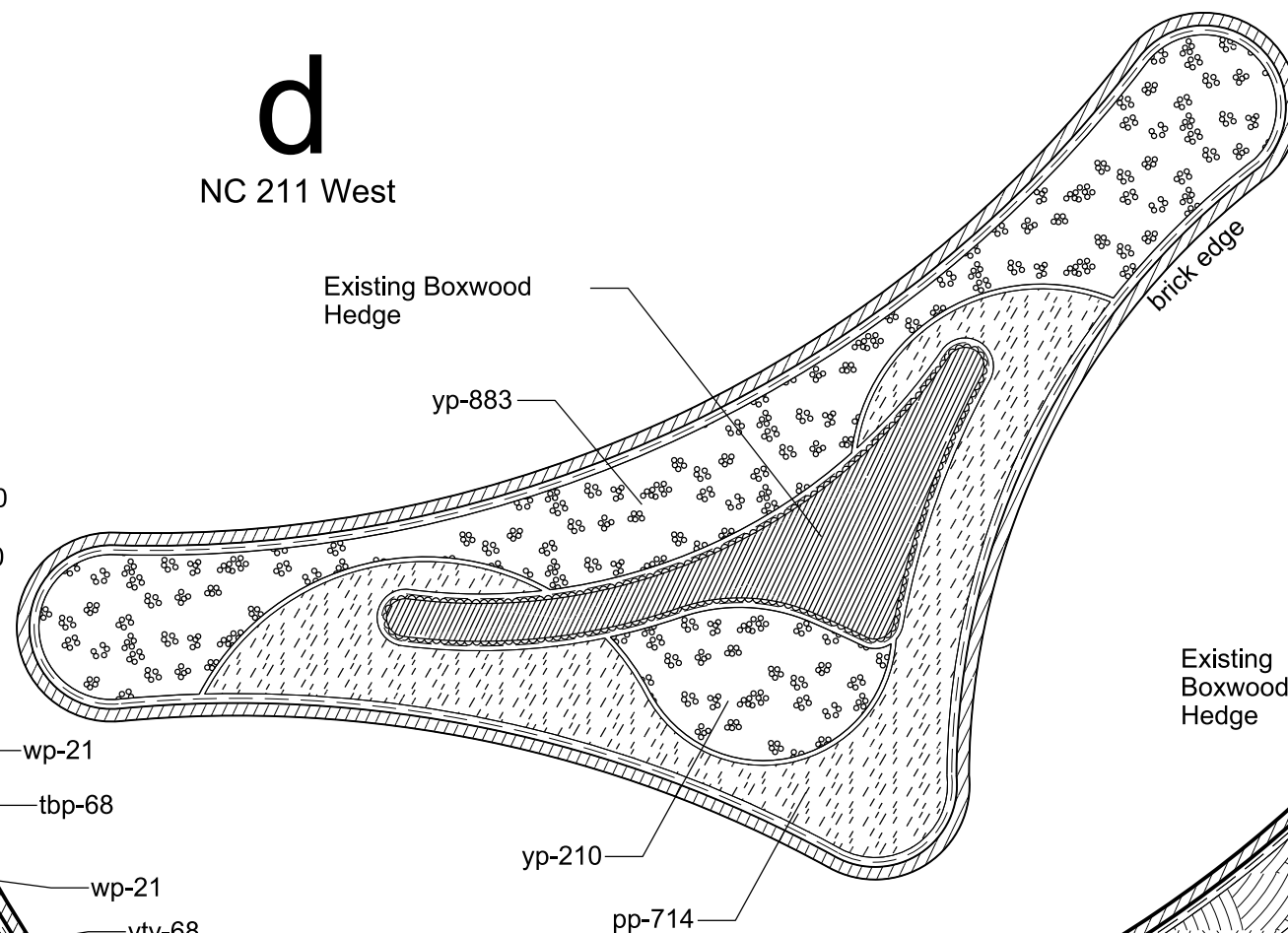
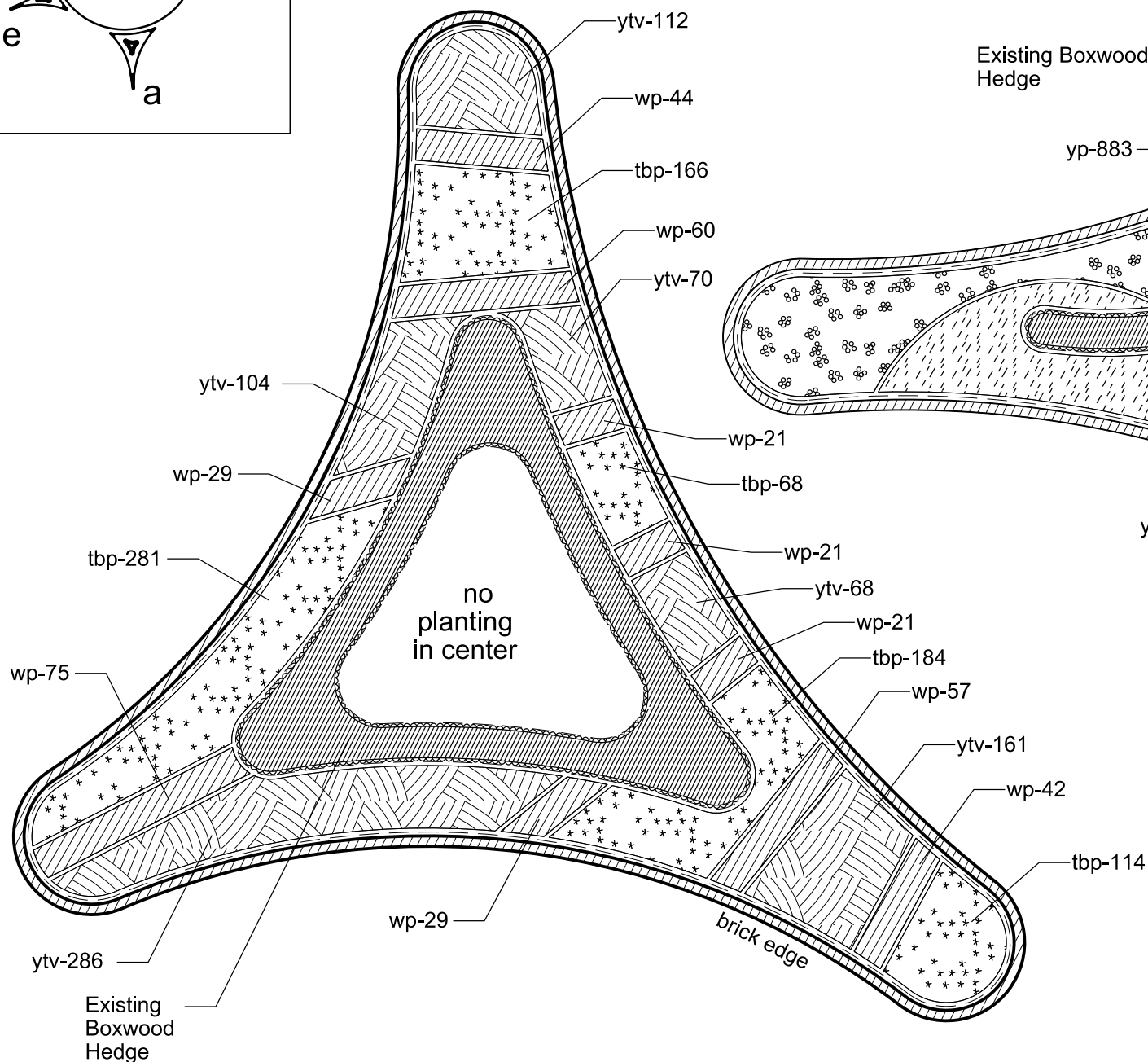
T.I.P. #	ER-5600HF
WBS #	46305.3.39
FED I.D. #	STBG-0829(008)
sheet no.:	total sheet no.:
L-3	4



C
US 15-501 North

d
NC 211 West

e
Midland Road West



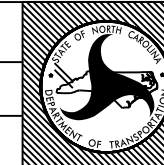
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 landscape design & Development
 1557 mail service center raleigh nc 27699-1557
 ph: 919-707-2935 fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Pinehurst Traffic Circle
 2017 Fall Annual Plantings
 Contract #:

Prepared by:
 Kyle Cooper

prel. design date:	May 2017
checked by & date:	
final design date:	May 2017

Traffic Circle Islands
Interior Plant Beds
Islands C, D, & E

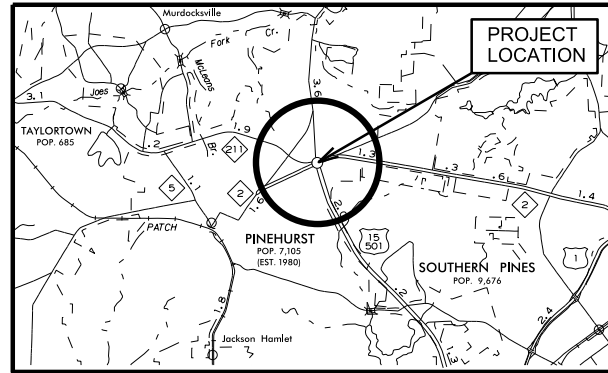


T.I.P. #	ER-5600HF
WBS #	46305.3.39
FED I.D. #	STBG-0829(008)
sheet no.:	L-4
total sheet no.:	4

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	46305.3.39	1	4

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
MOORE COUNTY

LOCATION: PINEHURST TRAFFIC CIRCLE
TYPE OF WORK: 2018 SPRING ANNUALS PLANTING



VICINITY MAP

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	-----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	-----+-----
Exist. Telephone Pole	-----●-----
Prop. Telephone Pole	-----○-----
Tower Pole and Line	-----+-----
Exist. Power Pole	-----●-----
Prop. Power Pole	-----○-----
Sanitary Sewer Line	-----SS-----
Water Line	-----W-----
Gas Line	-----GAS-----
Picnic Shelter	-----□-----
Regeneration	-----X-----
Reforestation	-----X-----
Large Deciduous Tree	-----○-----
Evergreen Tree	-----●-----
Small or Flowering Tree	-----○-----
Shrubs	-----○-----
Planting Bed	-----○-----

Summary of Quantities

A) PLANT MATERIAL - Growing Contract (by others)

Quantity	Unit	Key	Plant Name	Common name	Furnish	Spacing
10	Each Flat	AY	Alternanthera ficoidea 'True Yellow'	Joseph's Coat	Flat of 18, Well rooted (1801)	18" O.C.
46	Each Flat	LPA	Angelonia angustifolia 'Serenita Lavender Pink'	Serenita® Lavender Pink Angelonia	Flat of 18, Well rooted (1801)	12" O.C.
38	Each Flat	BRB	Begonia 'Big Red Bronze Leaf'	Big® Red Bronze Leaf Begonia	Flat of 18, Well rooted (1801)	12" O.C.
103	Each Flat	BWW	Begonia 'Baby Wing White'	BabyWing® White Begonia	Flat of 18, Well rooted (1801)	10" O.C.
62	Each Flat	FLC	Celosia plumosa 'Fresh Look Gold'	Fresh Look Gold Cockscomb	Flat of 18, Well rooted (1801)	10" O.C.
12	Each Flat	MSP	Ipomoea batatas 'Margarita'	Margarita Sweet Potato Vine	Flat of 10, Well rooted (4.5" Pots)	24" O.C.
52	Each Flat	PWB	Petunia x hybrida 'Easy Wave Blue'	Easy Wave® Blue Petunia	Flat of 18, Well rooted (1801)	10" O.C.
3	Each Flat	PH	Setcreasea pallida	Purple Heart	Flat of 18, Well rooted (1801)	24" O.C.
1	EA		Delivery			

B) INSTALLATION

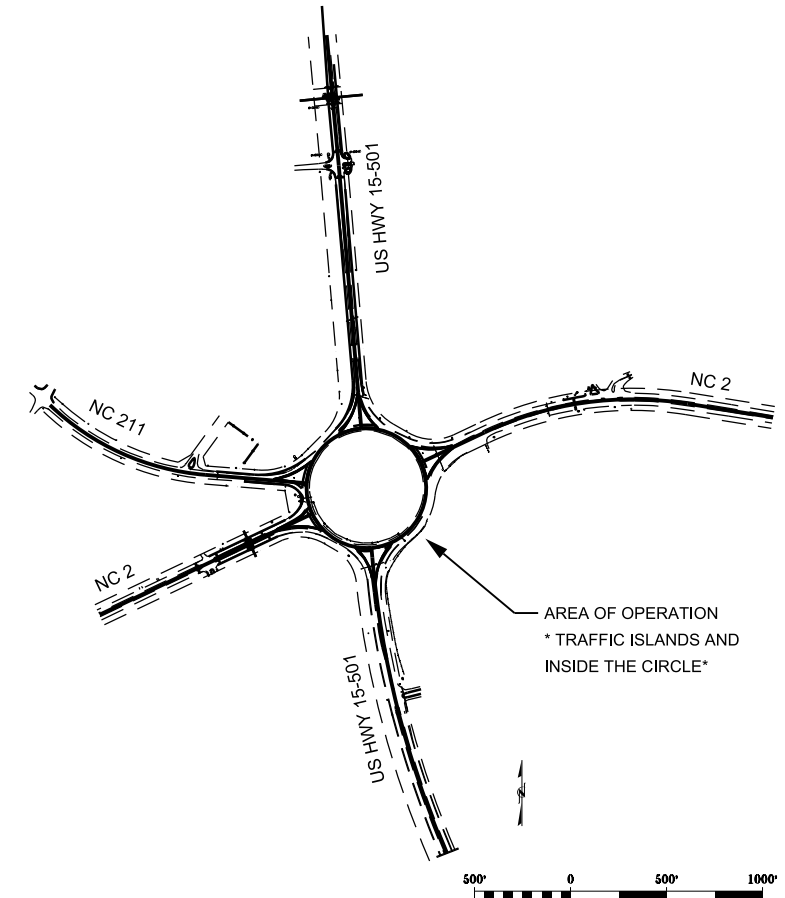
Quantity	Unit	Item Description
1	LS	Traffic Control
543	SY	Plant Bed Preparation
5,083	EA	Installation of Annuals, 18 per Flat
107	EA	Installation of Annuals, 10 per Flat
6	EA	Plant Bed Maintenance

TOTAL FLATS NOTED INCLUDED 10% OVERAGE

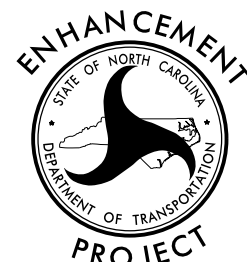
Notes:

The contractor and the engineer will coordinate the delivery of the annuals prior to installation. The proposed time schedule and the desired delivery locations will be agreed upon prior to the initiation of work.

The total number of annuals, as noted above, will include an additional 10% for replacements to be used ONLY as directed by the NCDOT engineer.



2018 SPRING
ANNUALS
PLANTING



INDEX OF SHEETS :

TITLE, DESCRIPTION, & SUMMARY OF QUANTITIES	-----	L1
CIRCLE LAYOUT & BED QUANTITIES	-----	L2
DETAIL A & B PLAN	-----	L3
DETAIL C, D, & E PLAN	-----	L4

ROADSIDE ENVIRONMENTAL UNIT
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2012 STANDARD SPECIFICATIONS

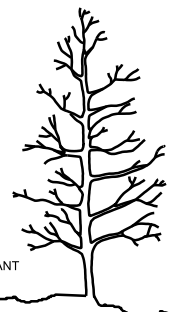
Drawn By: SKC Design Section May 2, 2017

NOTES:

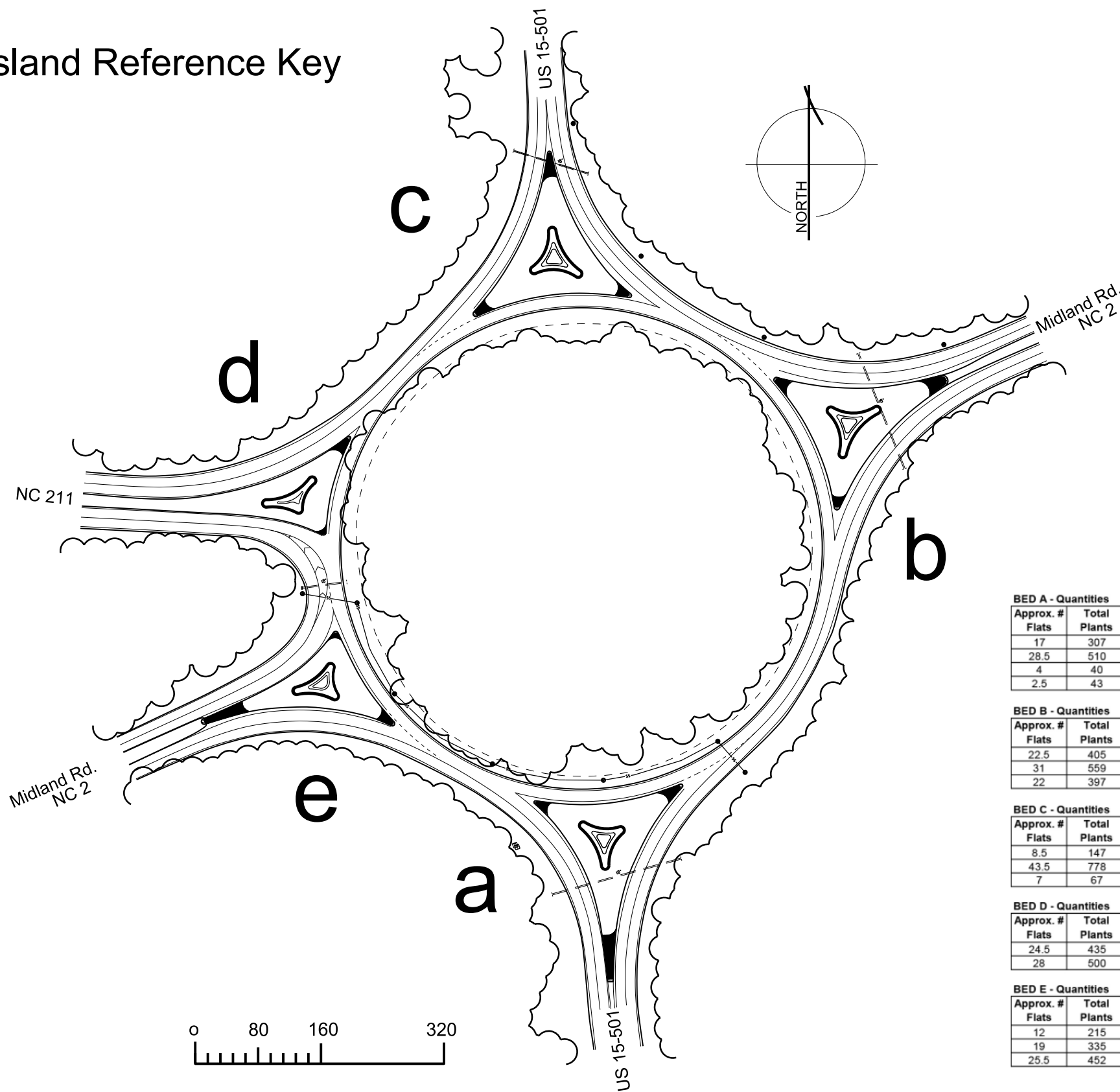
THE CONTRACTOR SHALL CONSULT THE DIVISION'S SPECIAL PROVISIONS FOR PROCEDURES FOR PREPARING ANNUAL BEDS, INSTALLATION, FUMIGATION, AND PLANT BED AMENDMENTS. THE INSTALLATION SHALL NOT TAKE PLACE UNTIL THESE SPECIAL PROVISIONS ARE REVIEWED AND AGREED UPON.

ALL ANNUALS SHALL BE SPACED ON 12" AND/OR 8" CENTERS. ANNUALS SHALL BE PLANTED AT THE PROPER DEPTH ACCORDING TO THE SOIL LEVEL. THE SOIL SHALL BE FIRMLY PLACED AROUND THE PLANTS, AND 2" OF SOIL AMENDMENTS SHALL BE ADDED TO EACH PLANT BED AS DIRECTED BY THE ENGINEER IN THE FIELD. MULCH SHALL BE APPLIED TO THE BEDS AFTER PLANTING IS COMPLETE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO DETERMINE THE PREFERRED DELIVERY DATES AND THE APPROPRIATE QUANTITIES OF ANNUALS FOR EACH PLANT BED AREA.

ALL PLANTS SHALL BE WATERED IN IMMEDIATELY FOLLOWING THE PLANTING OPERATION. NO PORTION OF PLANTING SHALL GO UNWATERED OVERNIGHT. WATER THE SAME DAY AS THE PLANT INSTALLATION.



Island Reference Key



Quantity of annuals per plant bed

BED A - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
17	307	LPA	Angelonia angustifolia 'Serenita Lavender Pink'	Serenita® Lavender Pink Angelonia	Flat of 18, Well rooted (1801)	12" O.C.
28.5	510	FLC	Celosia plumosa 'Fresh Look Gold'	Fresh Look Gold Cockscomb	Flat of 18, Well rooted (1801)	10" O.C.
4	40	MSP	Ipomoea batatas 'Margarita'	Margarita Sweet Potato Vine	Flat of 10, Well rooted (4.5" Pots)	24" O.C.
2.5	43	PH	Setcreasea pallida	Purple Heart	Flat of 18, Well rooted (1801)	24" O.C.

BED B - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
22.5	405	BRB	Begonia 'Big Red Bronze Leaf'	Big® Red Bronze Leaf Begonia	Flat of 18, Well rooted (1801)	12" O.C.
31	559	BWW	Begonia 'Baby Wing White'	BabyWing® White Begonia	Flat of 18, Well rooted (1801)	10" O.C.
22	397	PWB	Petunia x hybrida 'Easy Wave Blue'	Easy Wave® Blue Petunia	Flat of 18, Well rooted (1801)	10" O.C.

BED C - Quantities

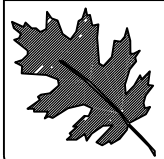
Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
8.5	147	AY	Alternanthera ficoidea 'True Yellow'	Joseph's Coat	Flat of 18, Well rooted (1801)	18" O.C.
43.5	778	BWW	Begonia 'Baby Wing White'	BabyWing® White Begonia	Flat of 18, Well rooted (1801)	10" O.C.
7	67	MSP	Ipomoea batatas 'Margarita'	Margarita Sweet Potato Vine	Flat of 10, Well rooted (4.5" Pots)	24" O.C.

BED D - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
24.5	435	LPA	Angelonia angustifolia 'Serenita Lavender Pink'	Serenita® Lavender Pink Angelonia	Flat of 18, Well rooted (1801)	12" O.C.
28	500	FLC	Celosia plumosa 'Fresh Look Gold'	Fresh Look Gold Cockscomb	Flat of 18, Well rooted (1801)	10" O.C.

BED E - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
12	215	BRB	Begonia 'Big Red Bronze Leaf'	Big® Red Bronze Leaf Begonia	Flat of 18, Well rooted (1801)	12" O.C.
19	335	BWW	Begonia 'Baby Wing White'	BabyWing® White Begonia	Flat of 18, Well rooted (1801)	10" O.C.
25.5	452	PWB	Petunia x hybrida 'Easy Wave Blue'	Easy Wave® Blue Petunia	Flat of 18, Well rooted (1801)	12" O.C.



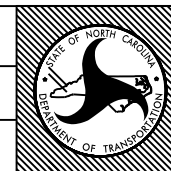
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 landscape design & Development
 1557 mail service center raleigh nc 27699-1557
 ph: 919-707-2935 fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Pinehurst Traffic Circle
 2018 Spring Annuals Planting
 Contract #:

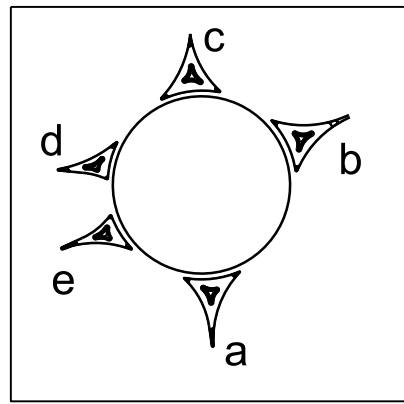
Prepared by:
 Kyle Cooper

sheet description:
 prel. design date: May 2017
 checked by & date:
 final design date: May 2017

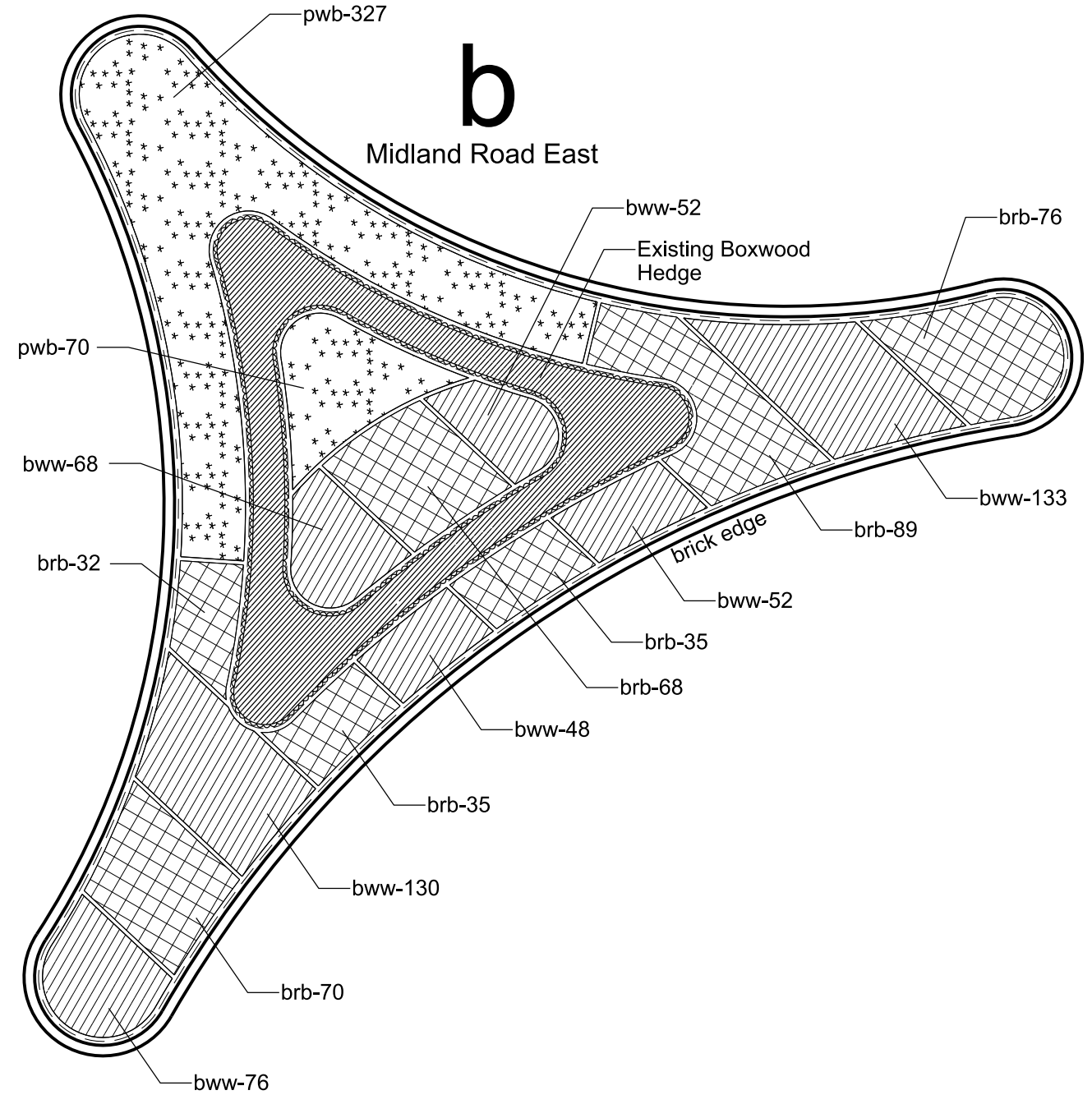
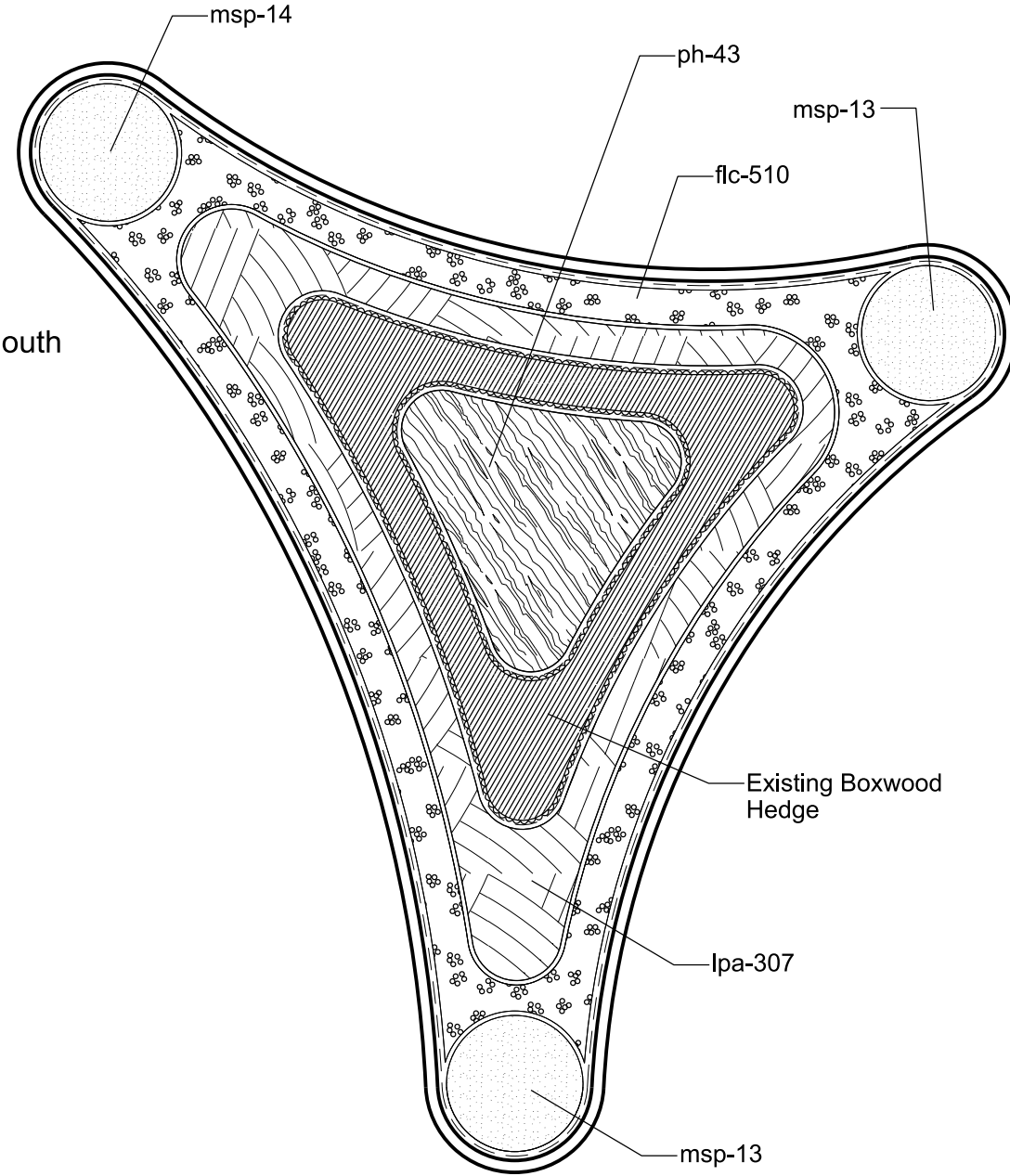
Traffic Circle Islands
 Circle Reference Key



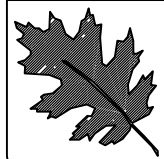
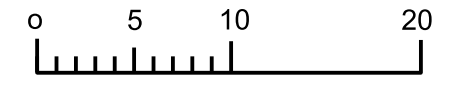
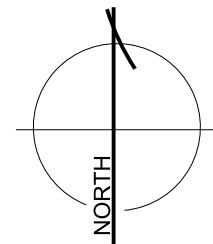
T.I.P. # ER-5600HF
 WBS # 46305.3.39
 FED I.D. # STBG-0829(008)
 sheet no: L-2 total sheet no: 4



a
US 15-501 South



b
Midland Road East



NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 landscape design & Development
 1557 mail service center raleigh nc 27699-1557
 ph: 919-707-2935 fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

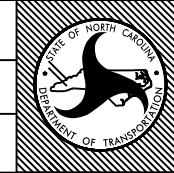
**Pinehurst Traffic Circle
 2018 Spring Annuals Planting**

Contract #:

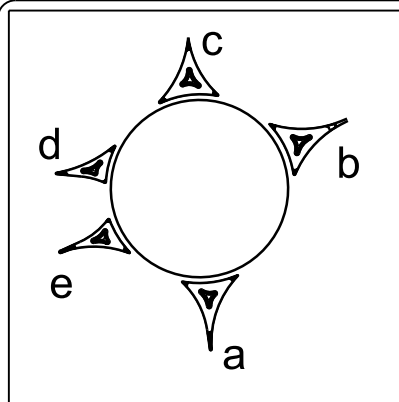
Prep. Designer
Kyle Cooper

sheet description:	prel. design date:	May 2017
	checked by & date:	
	final design date:	May 2017

Traffic Circle Islands
Interior Plant Beds
Islands A & B



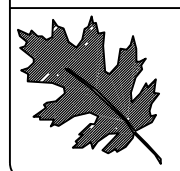
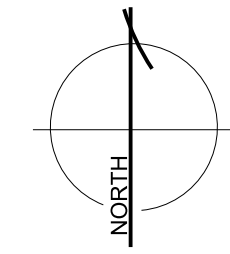
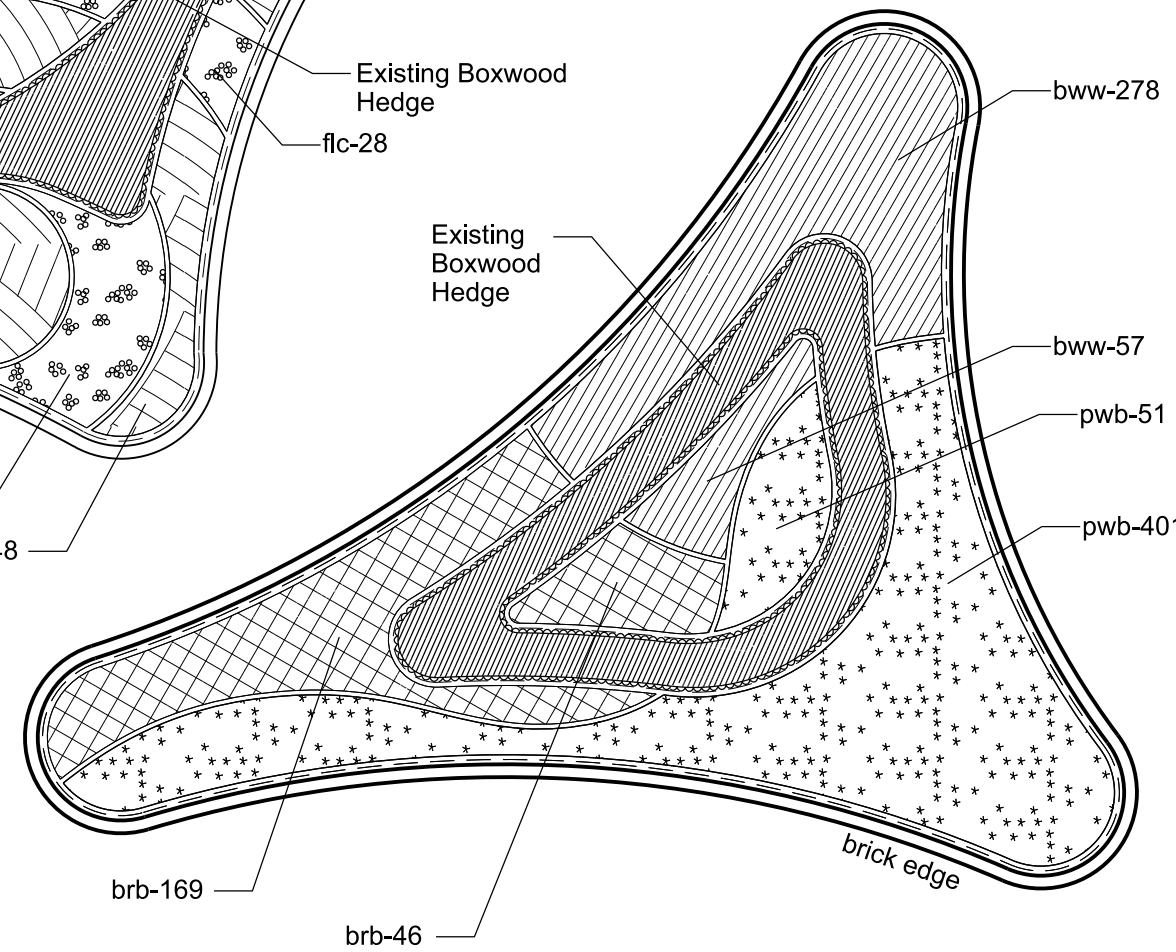
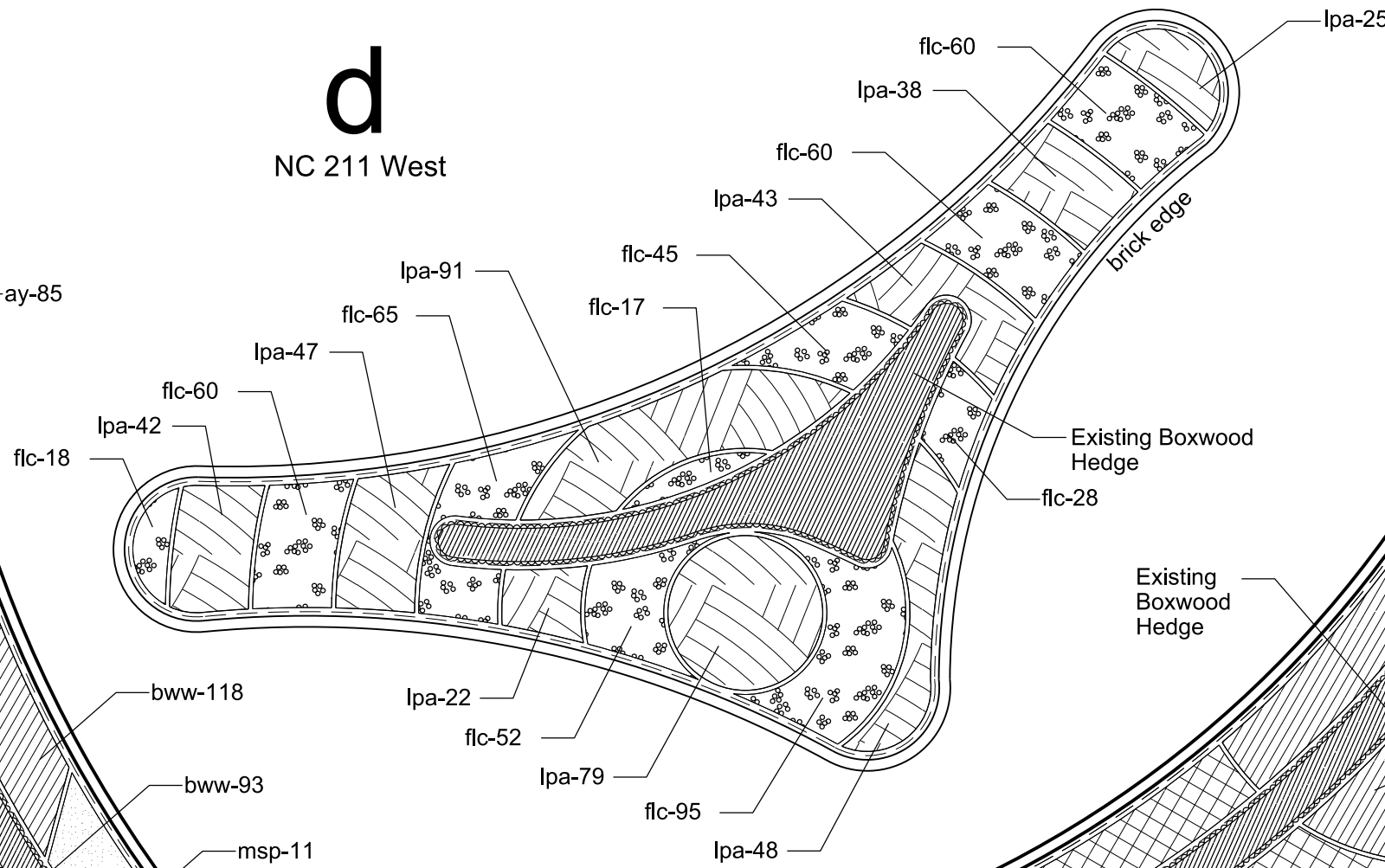
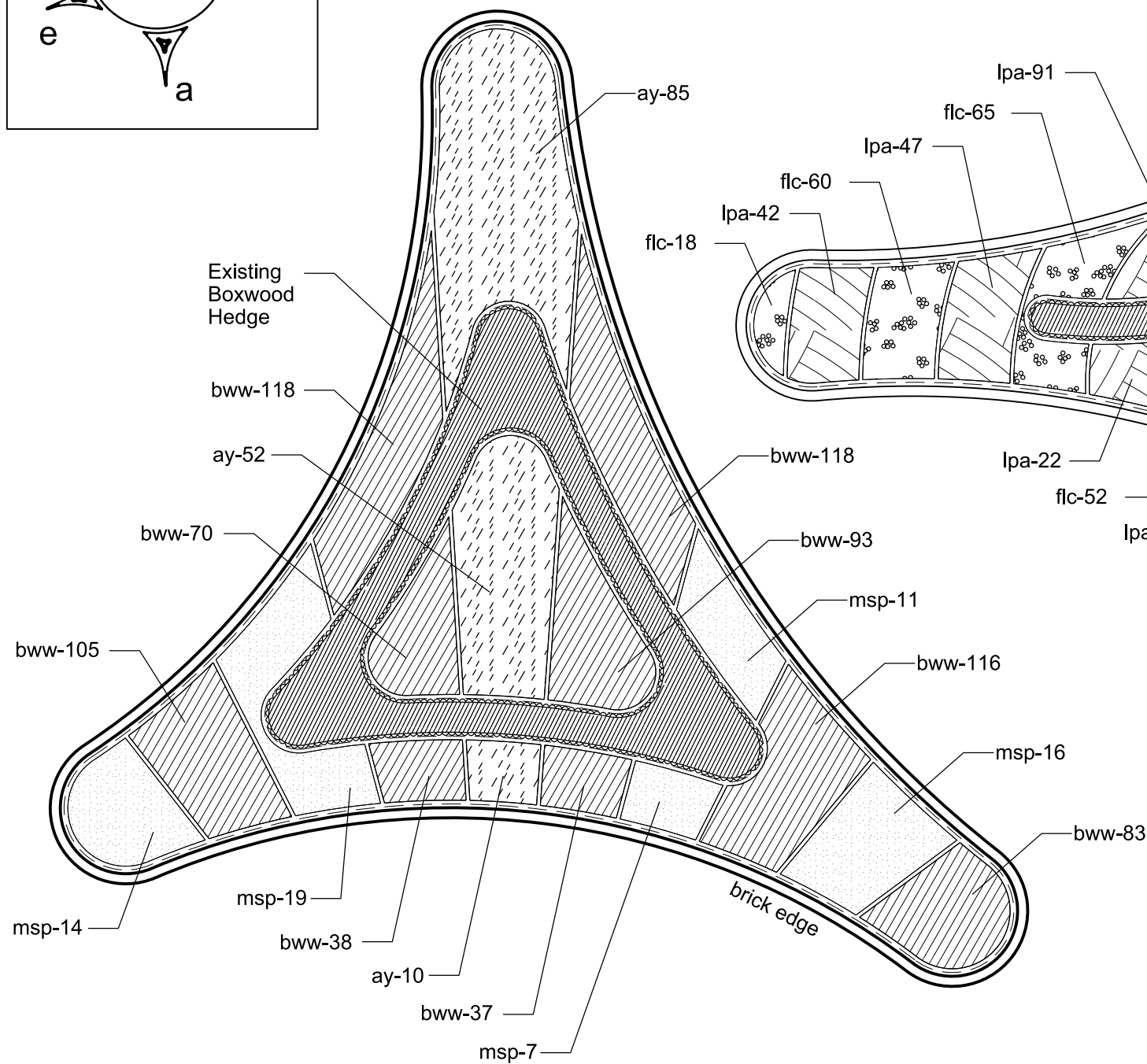
T.I.P. #	ER-5600HF
WBS #	46305.3.39
FED I.D. #	STBG-0829(008)
sheet no.:	total sheet no.:
L-3	4



C
US 15-501 North

d
NC 211 West

e
Midland Road West



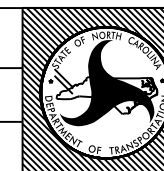
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 landscape design & Development
 1557 mail service center raleigh nc 27699-1557
 ph: 919-707-2935 fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Pinehurst Traffic Circle
 2018 Spring Annuals Planting
 Contract #:

Prepared by:
 Kyle Cooper

sheet description:	prel. design date:	May 2017
	checked by & date:	
	final design date:	May 2017

Traffic Circle Islands
Interior Plant Beds
Islands C, D, & E



T.I.P. #	ER-5600HF
WBS #	46305.3.39
FED I.D. #	STBG-0829(008)
sheet no.:	total sheet no.:
L-4	4