

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	46305.3.21	1	4

# STATE OF NORTH CAROLINA

## DIVISION OF HIGHWAYS

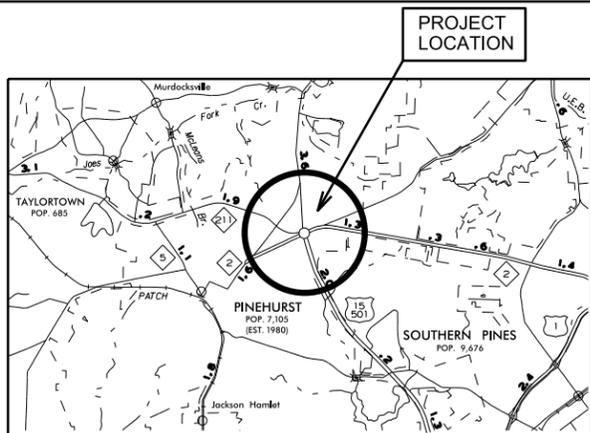
# MOORE COUNTY

LOCATION: PINEHURST TRAFFIC CIRCLE PLANTING  
TYPE OF WORK: 2016 FALL ANNUAL PLANTINGS

**Notes:**

Contractor and Engineer will coordinate delivery of the annuals prior to installation. Proposed time schedule and desired delivery locations will be agreed upon prior to initiation of work.

Annuals delivered to site will include 10% extra of each annual Variety (to be used as replacement plant materials determined or directed by NCDOT engineer).



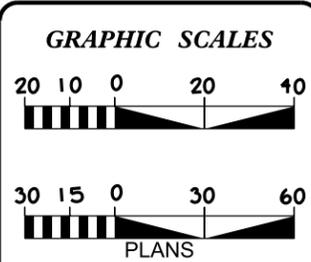
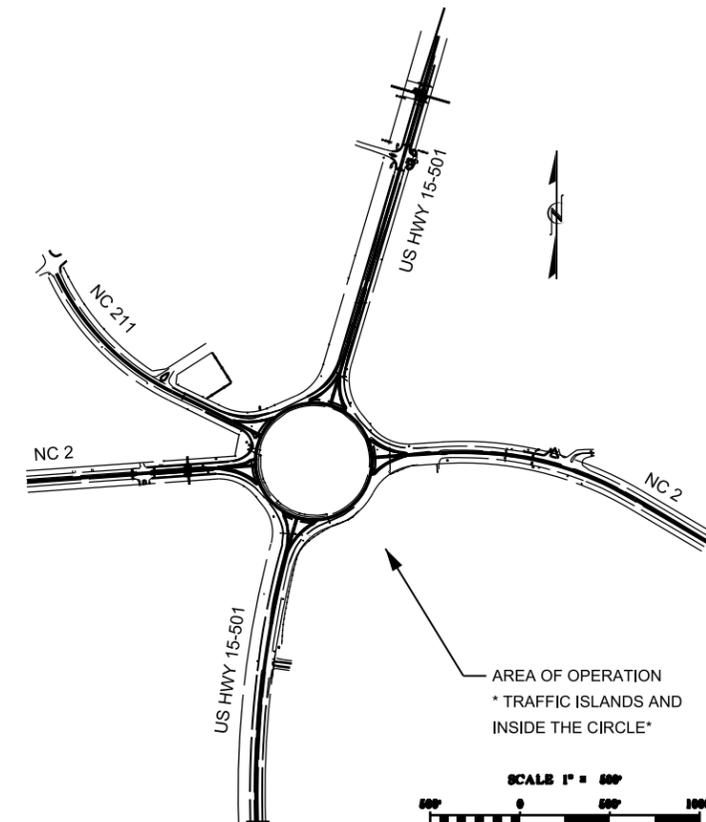
VICINITY MAP

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	---
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	●
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	---
Picnic Shelter	□
Regeneration	---
Reforestation	---
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
81	Each Flat	MGP	Matrix Midnight Glow Pansy	Midnight Glow Pansy	Flat of 18, Well rooted (1801)	8" O.C.
103	Each Flat	RP	Matrix Rose Pansy	Pink Pansy	Flat of 18, Well rooted (1801)	8" O.C.
134	Each Flat	WP	Panola White Pansy	White Pansy	Flat of 18, Well rooted (1801)	8" O.C.
55	Each Flat	URP	Ultima Radiance Pink Pansy	Radiance Pink Pansy	Flat of 18, Well rooted (1801)	8" O.C.
33	Each Flat	VYP	Viola Penny Yellow Pansy	Yellow Pansy	Flat of 18, Well rooted (1801)	8" O.C.
82	Each Flat	VCP	Viola Sorbet Banana Cream Pansy	Banana Cream Pansy	Flat of 18, Well rooted (1801)	8" O.C.
97	Each Flat	VBP	Viola Sorbet Blue Heaven	Sorbet Blue Pansy	Flat of 18, Well rooted (1801)	8" O.C.
1	EA		Delivery			
B) INSTALLATION						
Quantity	Unit	Item Description				
1	LS	Traffic Control				
543	SYD	Plant Bed Preparation				
9,579	EA	Installation of Annuals, 18 per Flat				
4	EA	Plant Bed Maintenance				

Total number of annuals (as noted above) include an additional 10% for replacements (to be used ONLY as directed by the NCDOT engineer)



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

Prepared In the Office of:

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

**2012 STANDARD SPECIFICATIONS**

Drawn By: SKC    Design Section    June 28, 2015

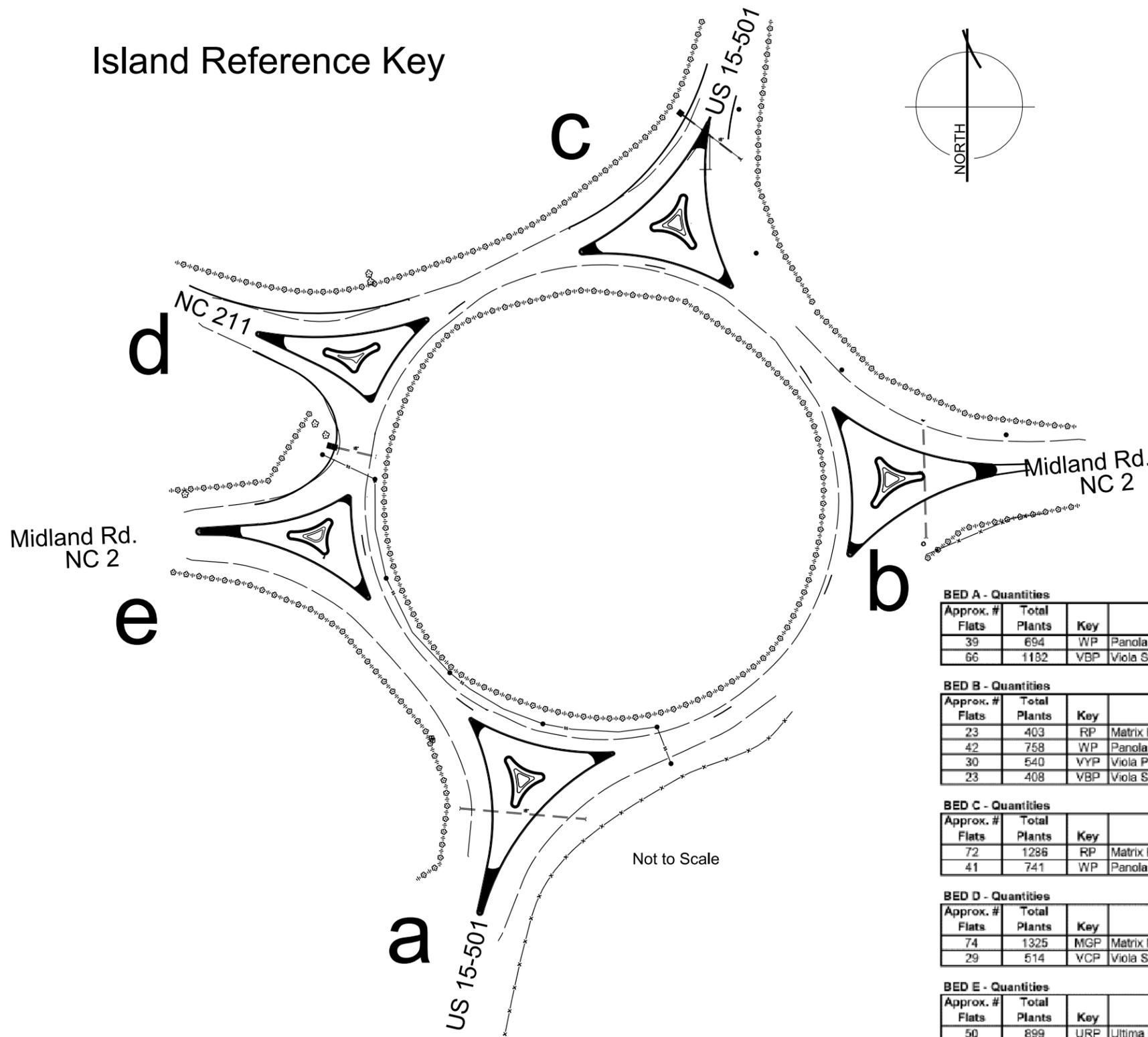
NOTES:

CONTRACTOR SHALL CONSULT THE DIVISIONS SPECIAL PROVISIONS FOR PROCEDURES FOR PREPARING ANNUAL BEDS, INSTALLATION, FUMIGATION AND PLANT BED AMENDMENTS. NO PROGRESS OF ANNUAL DEVELOPMENT OR INSTALLATION SHALL 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 SET AT A PROPER POSITION AS REGARDS TO DEPTH TO PLANT TO SOIL LEVEL. SOIL SHALL BE FIRMLY PLACED AROUND PLANTS AND MULCH. 2" OF SOIL AMENDMENTS SHALL BE ADDED TO EACH PLANT BED AS DIRECTED BY THE ENGINEER IN THE FIELD. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO DETERMINE PROPER DELIVERY DATES AND QUANTITIES OF ANNUALS TO THE PLANT BED AREAS.

BEDDING PLANTS SHALL BE WATERED IN IMMEDIATELY FOLLOWING PLANTING OPERATION. NO PORTION OF PLANTING SHALL GO UN WATERED OVERNIGHT. (WATER IN SAME DAY AS 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
39	694	WP	Panola White Pansy	White Pansy	Flat of 18, Well rooted (1801)	8" O.C.
66	1132	VBP	Viola Sorbet Blue Heaven	Sorbet Blue Pansy	Flat of 18, Well rooted (1801)	8" O.C.

### BED B - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
23	403	RP	Matrix Rose Pansy	Pink Pansy	Flat of 18, Well rooted (1801)	8" O.C.
42	758	WP	Panola White Pansy	White Pansy	Flat of 18, Well rooted (1801)	8" O.C.
30	540	VYP	Viola Penny Yellow Pansy	Yellow Pansy	Flat of 18, Well rooted (1801)	8" O.C.
23	408	VBP	Viola Sorbet Blue Heaven	Sorbet Blue Pansy	Flat of 18, Well rooted (1801)	8" O.C.

### BED C - Quantities

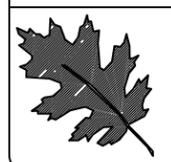
Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
72	1286	RP	Matrix Rose Pansy	Pink Pansy	Flat of 18, Well rooted (1801)	8" O.C.
41	741	WP	Panola White Pansy	White Pansy	Flat of 18, Well rooted (1801)	8" O.C.

### BED D - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
74	1325	MGP	Matrix Midnight Glow Pansy	Midnight Glow Pansy	Flat of 18, Well rooted (1801)	8" O.C.
29	514	VCP	Viola Sorbet Banana Cream Pansy	Banana Cream Pansy	Flat of 18, Well rooted (1801)	8" O.C.

### BED E - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
50	899	URP	Ultima Radiance Pink Pansy	Radiance Pink Pansy	Flat of 18, Well rooted (1801)	8" O.C.
46	829	VCP	Viola Sorbet Banana Cream Pansy	Banana Cream Pansy	Flat of 18, Well rooted (1801)	8" O.C.



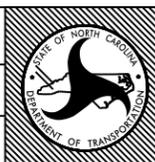
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 landscape design & Development  
 1557 mail service center raleigh nc 27699-1557  
 ph: 919-707-2935 fax: 919-715-2554  
[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

Pinehurst Traffic Circle  
 2016 Fall Annual Plantings  
 Contract #:

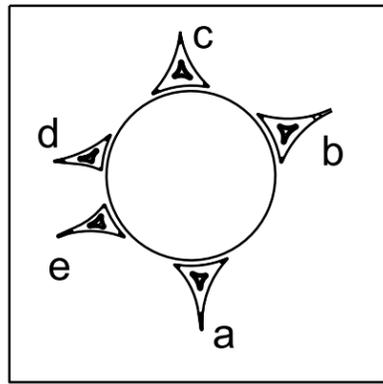
Prepared by:  
 Kyle Cooper

prel. design date: Aug. 2015  
 checked by & date:  
 final design date: June 28, 2015

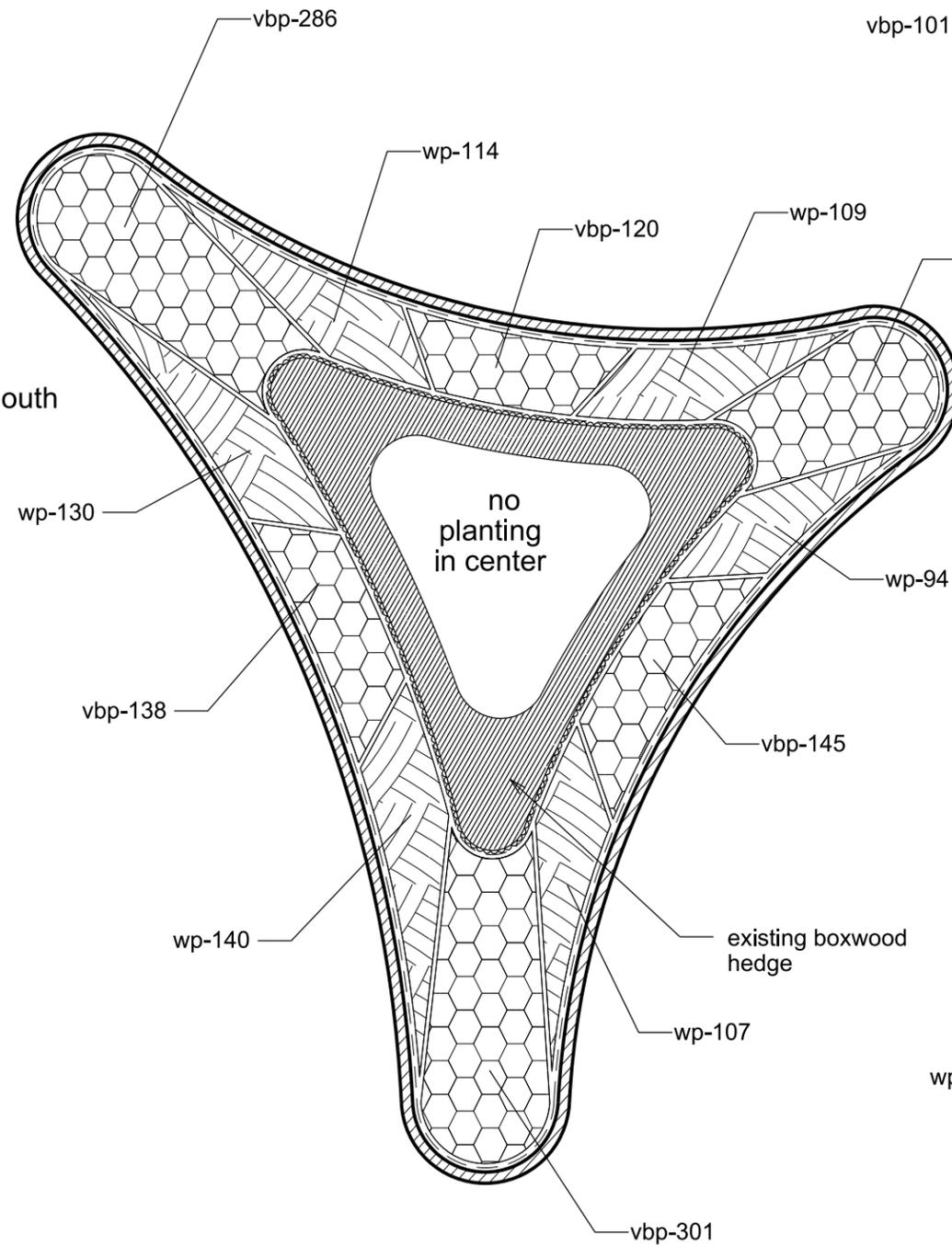
Traffic Circle Islands  
 Circle Reference Key



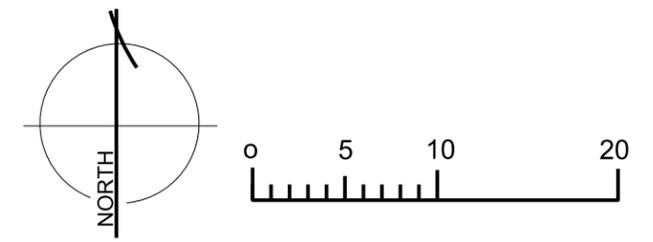
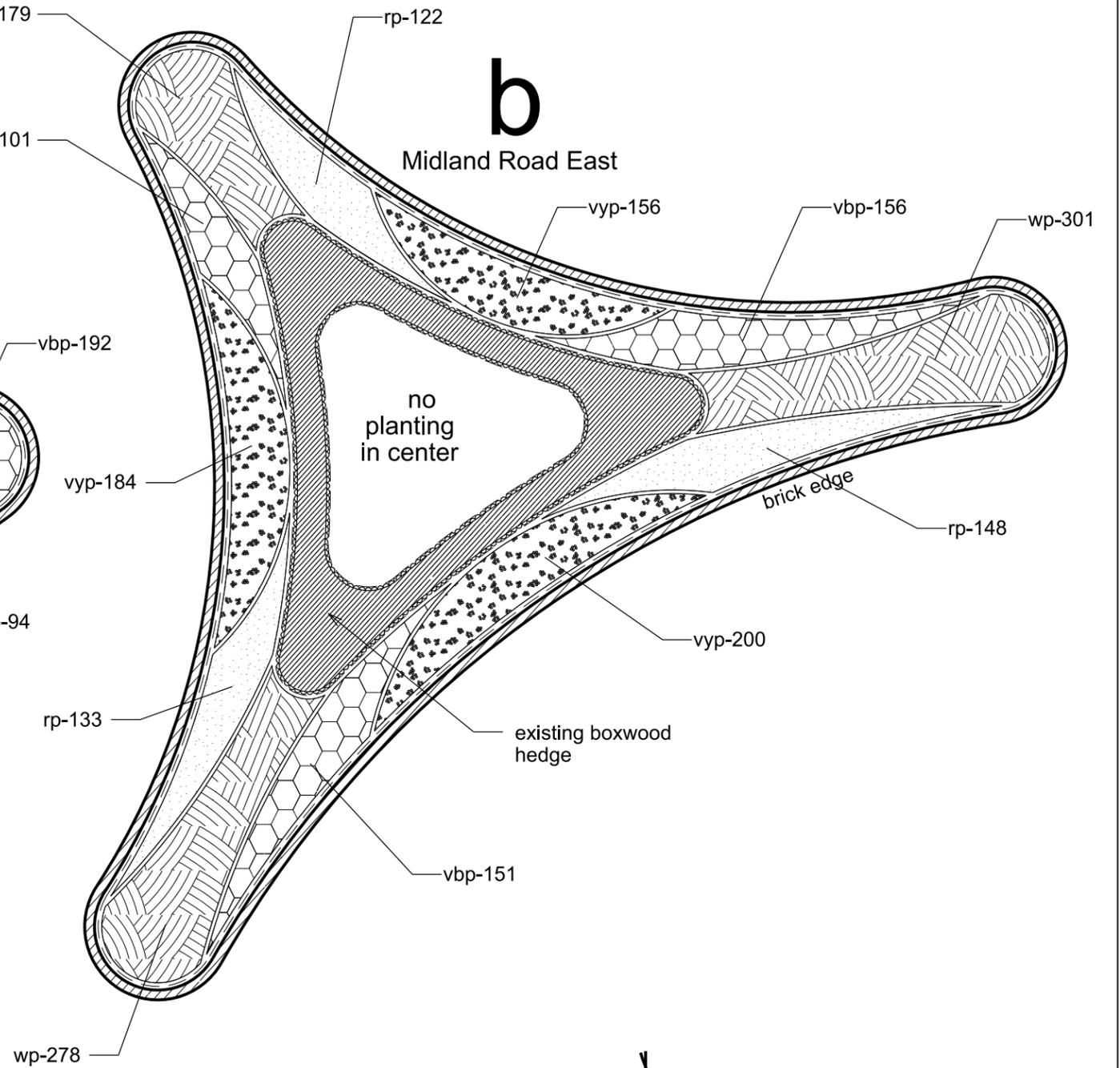
T.I.P. # ER-5600HC  
 WBS # 46305.3.21  
 FED I.D. # STP-0829(007)  
 sheet no: L-2 total sheet no: 4



**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  
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Pinehurst Traffic Circle  
2016 Fall Annual Plantings  
Contract #:

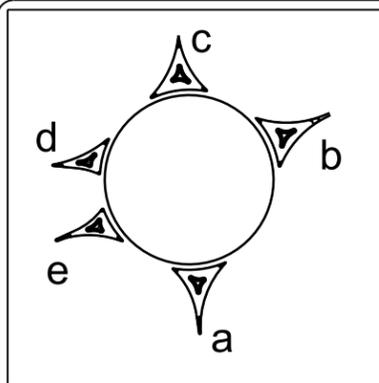
Prepared by  
*Kyle Cooper*

prel. design date:	Aug. 2015
checked by & date:	
final design date:	June 28, 2015

Traffic Circle Islands
Interior Plant Beds
Islands A & B



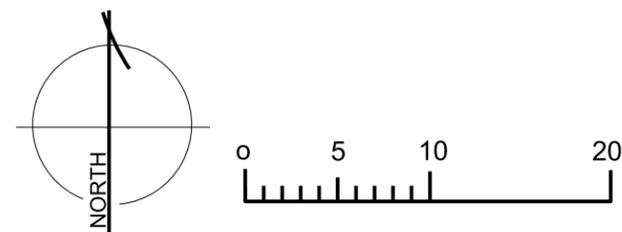
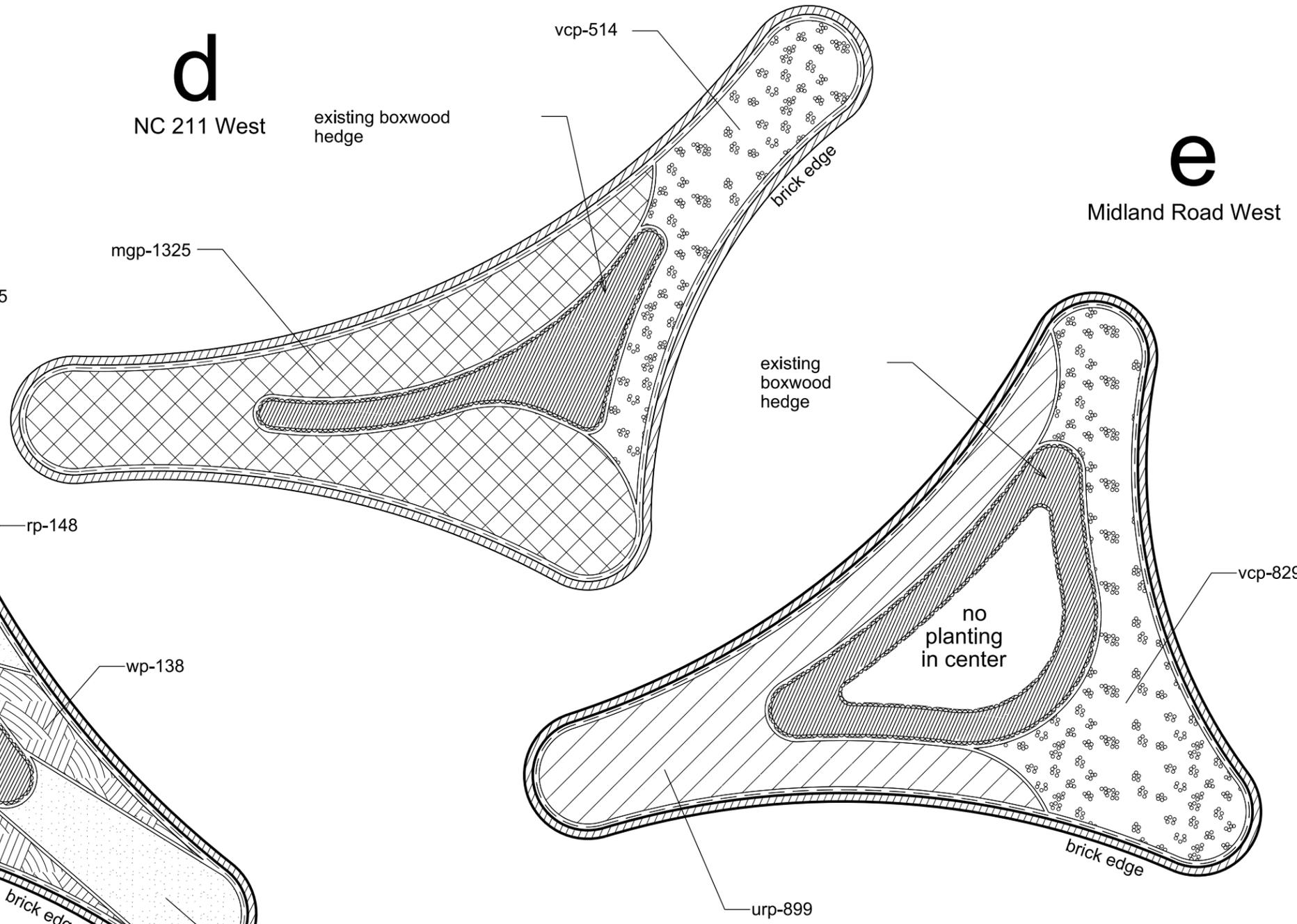
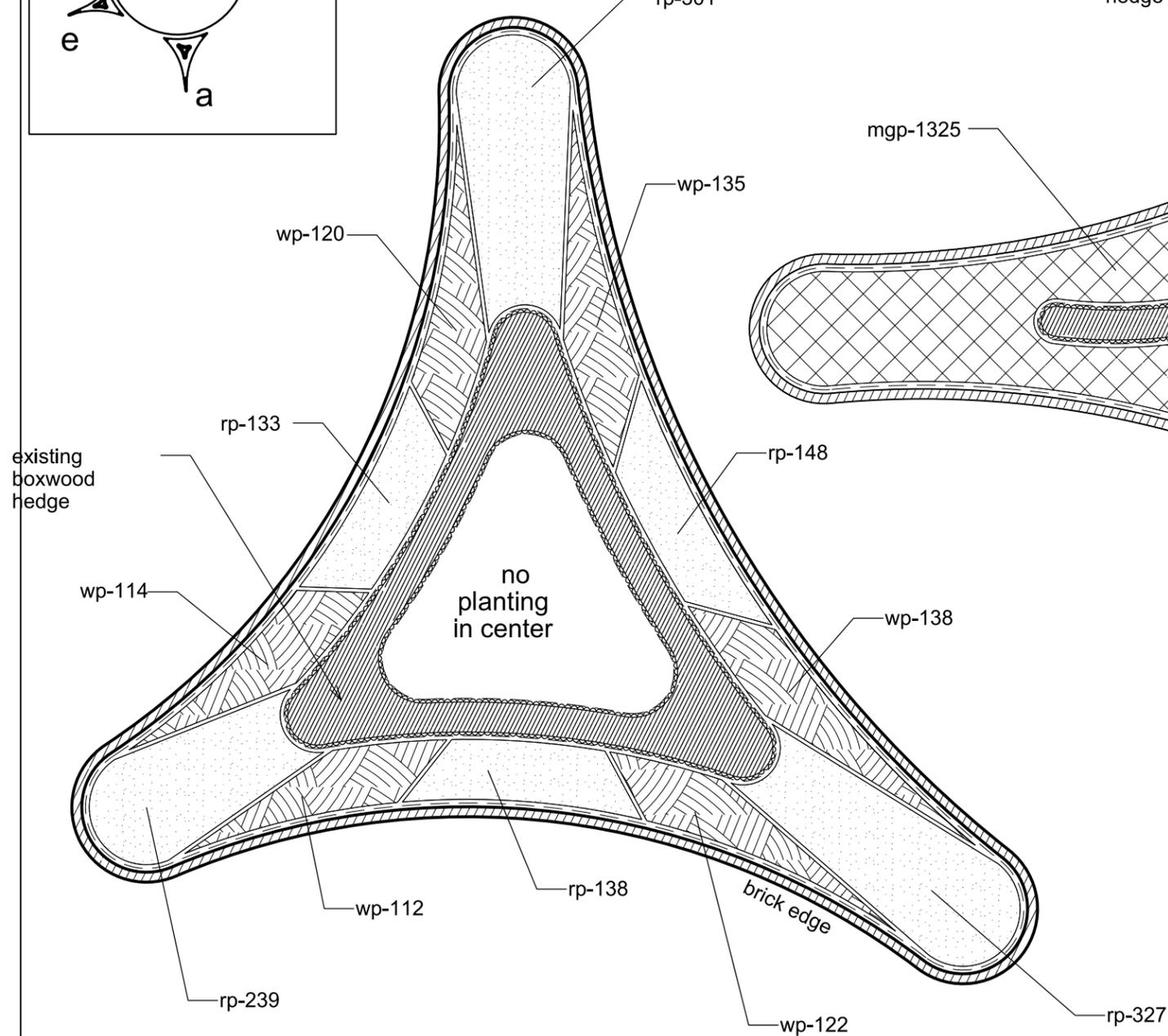
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WBS #	46305.3.21
FED I.D. #	STP-0829(007)
sheet no.:	total sheet no.:
<b>L-3</b>	<b>4</b>



**C**  
US 15-501 North

**d**  
NC 211 West  
existing boxwood hedge

**e**  
Midland Road West

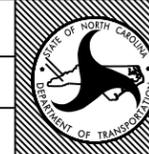


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Pinehurst Traffic Circle  
2016 Fall Annual Plantings  
Contract #:

Prep. Designer  
*Kyle Cooper*

sheet description:	prel. design date : Aug. 2015	Traffic Circle Islands
	checked by & date :	Interior Plant Beds
	final design date : June 28, 2015	Islands C, D, & E

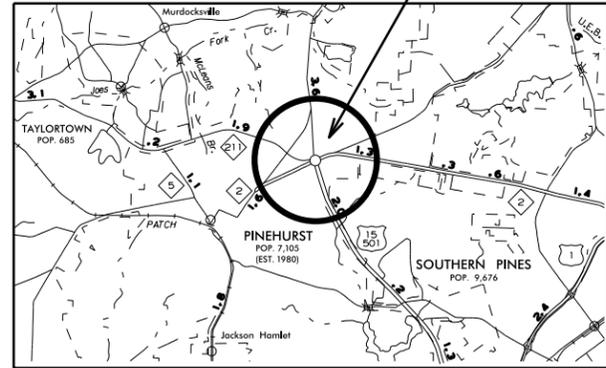


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WBS #	46305.3.21
FED I.D. #	STP-0829(007)
sheet no :	total sheet no :
<b>L-4</b>	<b>4</b>

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	46305.3.21	1	4

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**MOORE COUNTY**

LOCATION: PINEHURST TRAFFIC CIRCLE PLANTING  
TYPE OF WORK: 2016 Spring 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	-----
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	-----
Picnic Shelter	-----
Regeneration	-----
Reforestation	-----
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
27	Each Flat	BB	Begonia 'Big™ Red Bronze Leaf'	Big™ Red Bronze Leaf Begonia	Flat of 18, Well rooted (1801)	12" O.C.
50	Each Flat	BOP	Begonia semperflorens 'Super Olympia Pink'	Super Olympia® Pink Begonia	Flat of 18, Well rooted (1801)	12" O.C.
47	Each Flat	BOW	Begonia semperflorens 'Super Olympia White'	Super Olympia® White Begonia	Flat of 18, Well rooted (1801)	12" O.C.
7	Each Flat	CA	Capsicum annum 'Purple Flash'	Purple Flash Ornamental Pepper	Flat of 18, Well rooted (1801)	18" O.C.
31	Each Flat	CFL	Celosia plumosa 'Fresh Look Gold'	Fresh Look Gold Cockscomb	Flat of 18, Well rooted (1801)	12" O.C.
46	EA	CBC	Colocasia esculenta 'Black Coral'	Black Coral Elephant Ear	#3 Cont.	36" O.C.
44	Each Flat	PWW	Petunia 'Easy Wave White'	Easy Wave White Petunia	Flat of 18, Well rooted (1801)	12" O.C.
37	Each Flat	SVB	Salvia farinacea 'Victoria Blue'	Victoria Blue Sage	Flat of 18, Well rooted (1801)	12" O.C.
5	Each Flat	CG	Solenostemon scutellarioides 'Gold Lace'	Gold Lace Coleus	Flat of 18, Well rooted (1801)	18" O.C.
11	Each Flat	CLL	Solenostemon scutellarioides 'Life Lime'	Life Lime Coleus	Flat of 18, Well rooted (1801)	18" O.C.
7	Each Flat	PS	Strobilanthes dyerianus	Persian Shield	Flat of 18, Well rooted (1801)	18" O.C.
2	EA		Delivery			

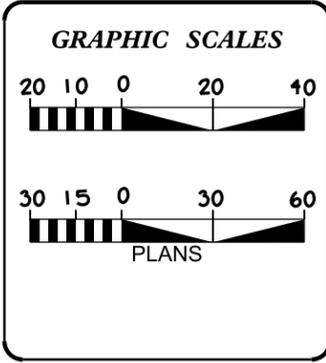
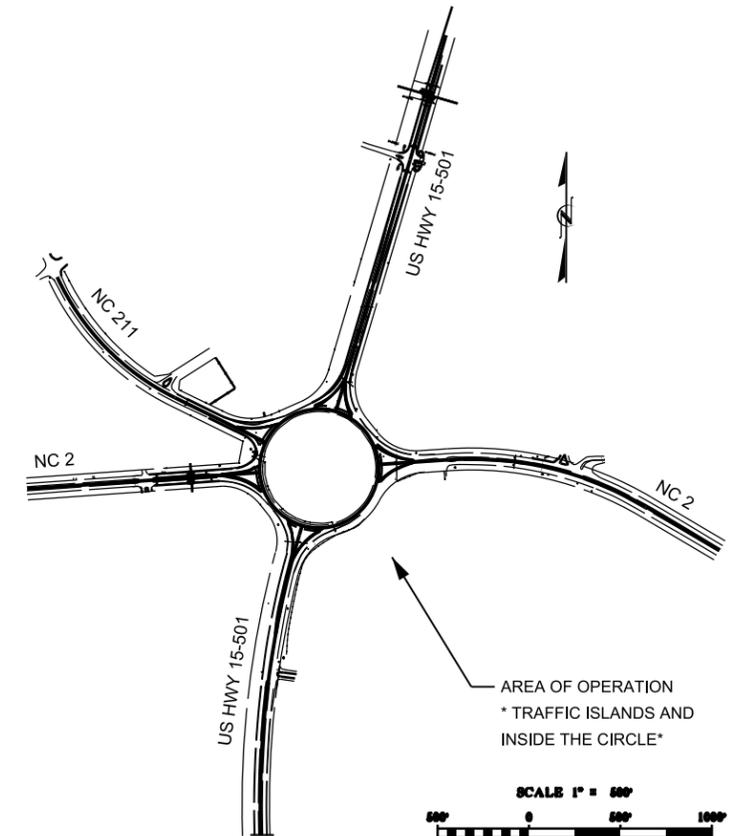
B) INSTALLATION		
Quantity	Unit	Item Description
1	LS	Traffic Control
543	SF	Plant Bed Preparation
4,788	EA	Installation of Annuals, 18 per Flat
46	EA	Installation of Annuals, #3 Cont.
9	EA	Plant Bed Maintenance

TOTAL number of ANNUALS (as noted above) include an additional 10% for replacements (TO BE used ONLY as directed by the ncdot engineer)

Notes:

Contractor and Engineer will coordinate delivery of the annuals prior to installation. Proposed time schedule and desired delivery locations will be agreed upon prior to initiation of work.

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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

Prepared In the Office of:

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

**2012 STANDARD SPECIFICATIONS**

Drawn By: SKC      Design Section      July 2016

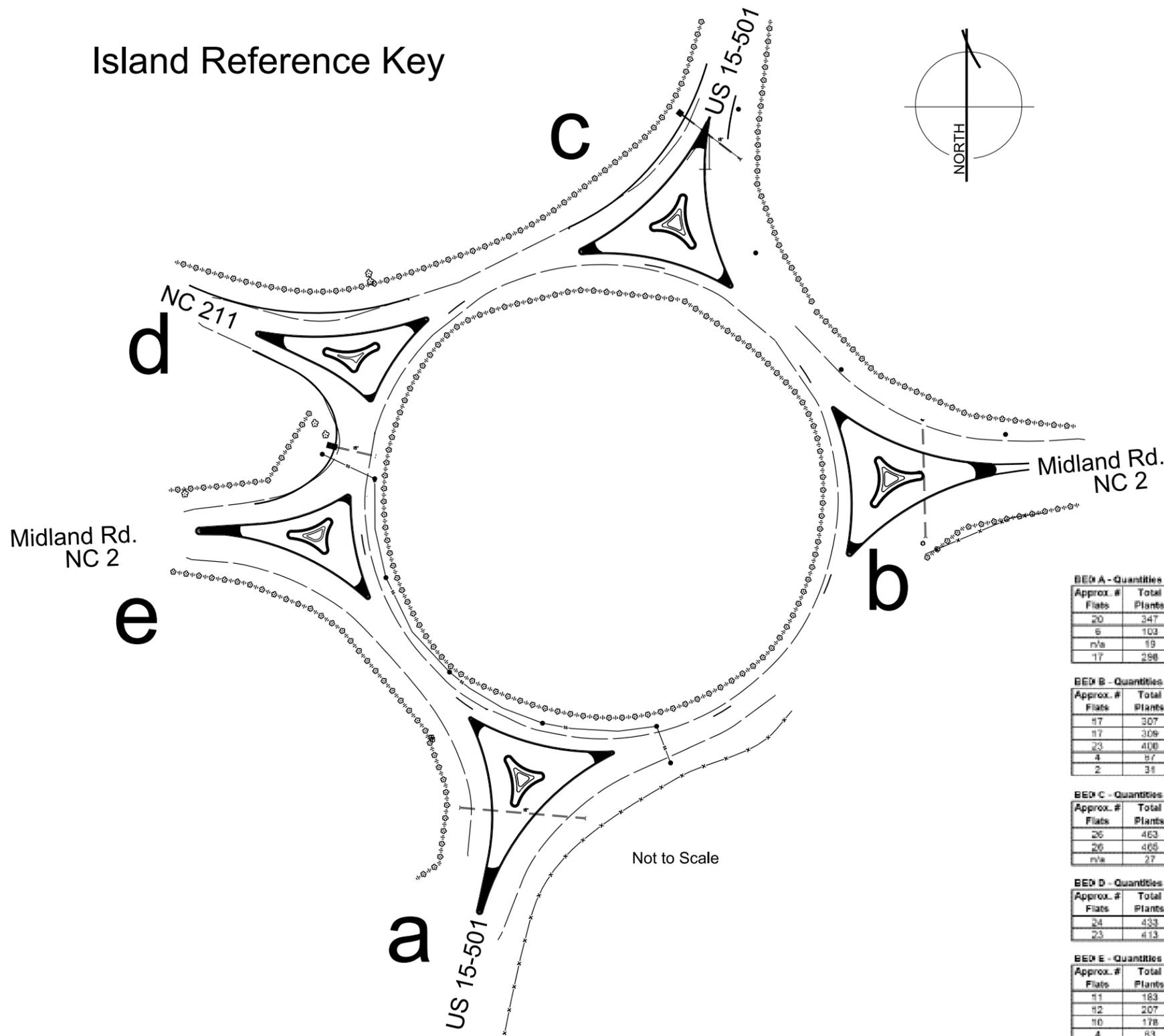
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BEDDING PLANTS SHALL BE WATERED IN IMMEDIATELY FOLLOWING PLANTING OPERATION. NO PORTION OF PLANTING SHALL GO UN WATERED OVERNIGHT. (WATER IN SAME DAY AS PLANT INSTALLATION)

# Island Reference Key



### BED A - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
20	347	BOP	Begonia semperflorens 'Super Olympia Pink'	Super Olympia® Pink Begonia	Flat of 78, Well rooted (1,801)	12" O.C.
6	103	CA	Capiscum annuum 'Purple Flash'	Purple Flash Ornamental Pepper	Flat of 78, Well rooted (1,801)	18" O.C.
n/a	19	CBC	Colocasia esculenta 'Black Coral'	Black Coral Elephant Ear	#3 Cont.	36" O.C.
17	298	PWW	Peonia 'Easy Wave White'	Easy Wave White Petunia	Flat of 78, Well rooted (1,801)	12" O.C.

### BED B - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
17	307	BOW	Begonia semperflorens 'Super Olympia White'	Super Olympia® White Begonia	Flat of 78, Well rooted (1,801)	12" O.C.
17	309	CFL	Celosia plumosa 'Fresh Look Gold'	Fresh Look Gold Cockscomb	Flat of 78, Well rooted (1,801)	12" O.C.
23	408	SVB	Salvia farinacea 'Victoria Blue'	Victoria Blue Sage	Flat of 78, Well rooted (1,801)	12" O.C.
4	87	CLL	Solenostemon scutellarioides 'Gold Lace'	Gold Lace Coleus	Flat of 78, Well rooted (1,801)	18" O.C.
2	31	PS	Strobilanthes dyerianus	Persian Shield	Flat of 78, Well rooted (1,801)	18" O.C.

### BED C - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
26	463	BOP	Begonia semperflorens 'Super Olympia Pink'	Super Olympia® Pink Begonia	Flat of 78, Well rooted (1,801)	12" O.C.
26	466	BOW	Begonia semperflorens 'Super Olympia White'	Super Olympia® White Begonia	Flat of 78, Well rooted (1,801)	12" O.C.
n/a	27	CBC	Colocasia esculenta 'Black Coral'	Black Coral Elephant Ear	#3 Cont.	36" O.C.

### BED D - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
24	433	BB	Begonia 'Big™ Red Bronze Leaf'	Big™ Red Bronze Leaf Begonia	Flat of 78, Well rooted (1,801)	12" O.C.
23	413	PWW	Peonia 'Easy Wave White'	Easy Wave White Petunia	Flat of 78, Well rooted (1,801)	12" O.C.

### BED E - Quantities

Approx. # Flats	Total Plants	Key	Plant Name	Common Name	Furnish	Spacing
11	183	CFL	Celosia plumosa 'Fresh Look Gold'	Fresh Look Gold Cockscomb	Flat of 78, Well rooted (1,801)	12" O.C.
12	207	SVB	Salvia farinacea 'Victoria Blue'	Victoria Blue Sage	Flat of 78, Well rooted (1,801)	12" O.C.
10	178	CLL	Solenostemon scutellarioides 'Life Lime'	Life Lime Coleus	Flat of 78, Well rooted (1,801)	18" O.C.
4	83	PS	Strobilanthes dyerianus	Persian Shield	Flat of 78, Well rooted (1,801)	18" 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/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

pinehurst traffic circle  
 2017 spring annual plantings

contract #:

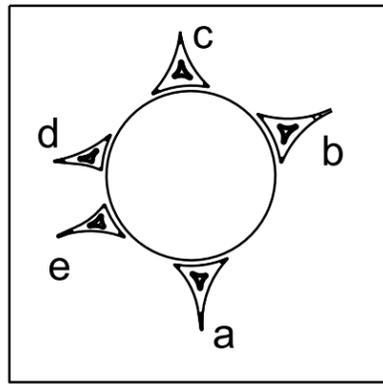
Prep. Designer  
*Kyle Cooper*

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 checked by & date:  
 final design date:

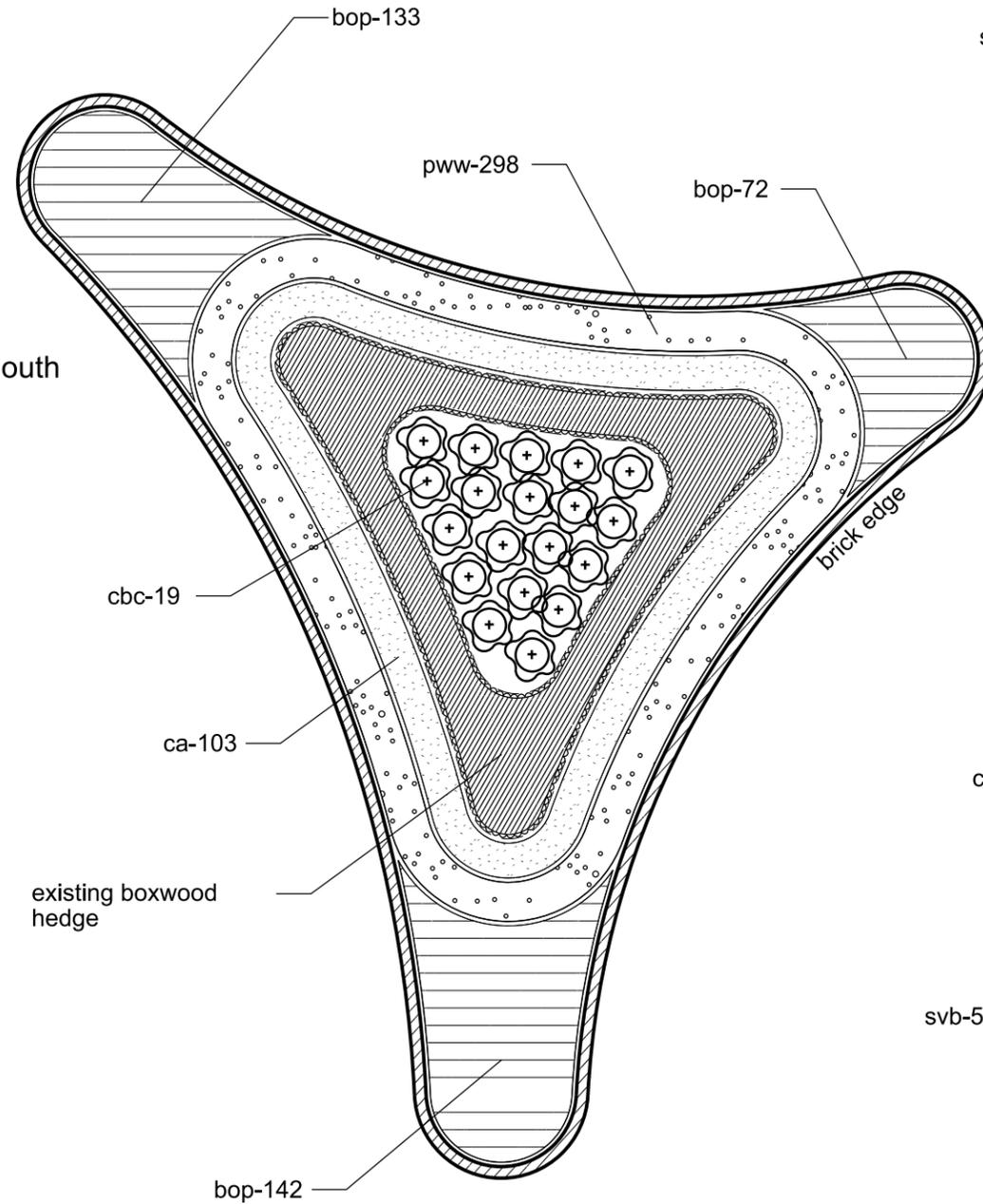
traffic circle islands  
 circle reference key



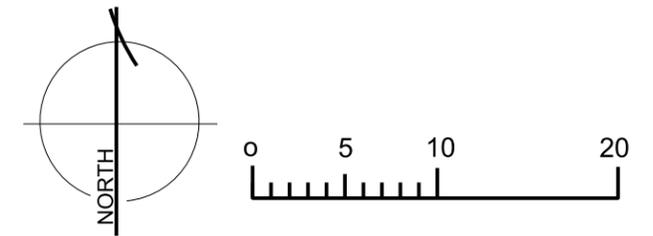
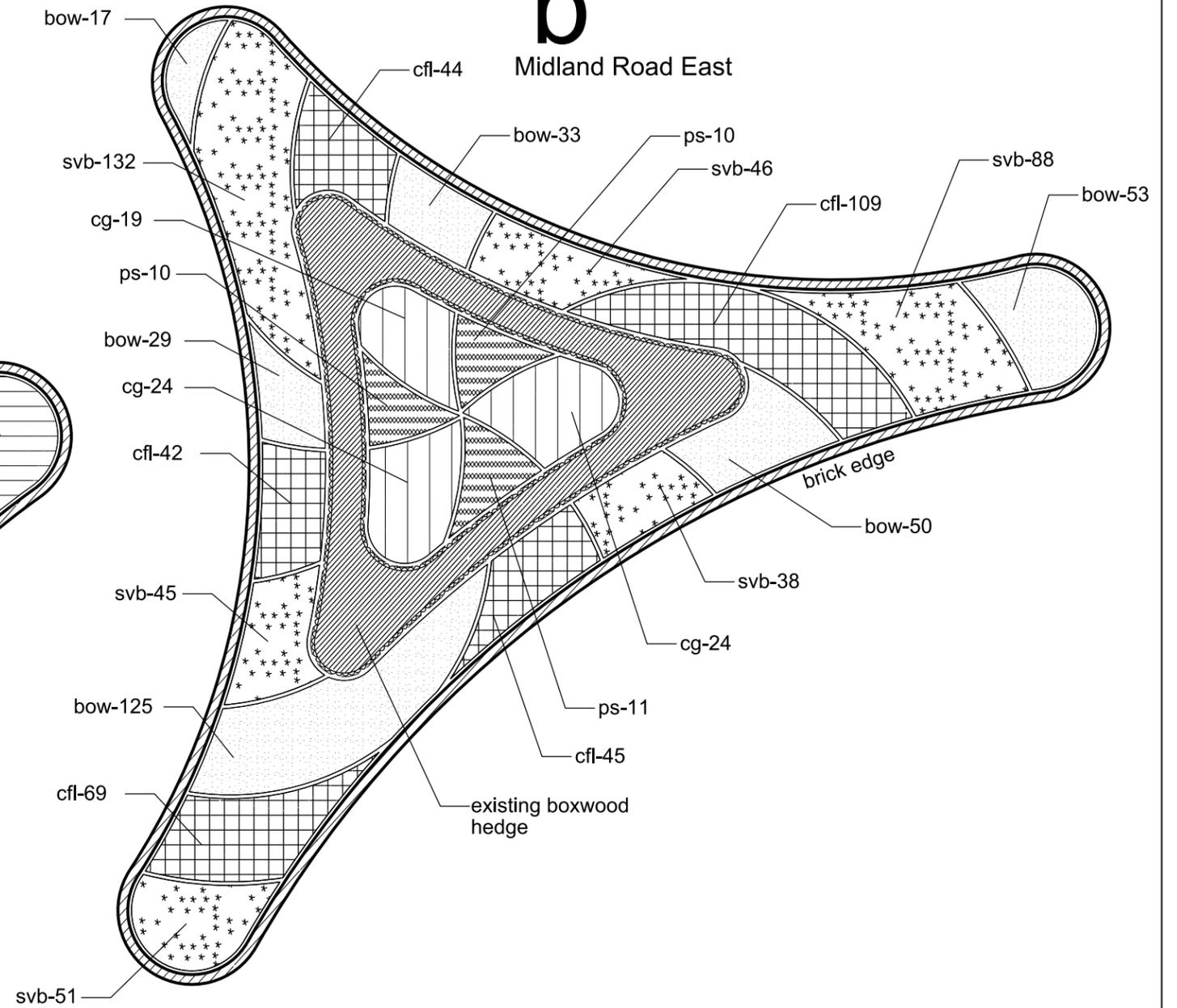
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 WBS # 46305.3.21  
 FED I.D. # STP-0829(007)  
 sheet no: L-2  
 total sheet no: 4



**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  
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pinehurst traffic circle  
2017 spring annual plantings

contract #:

Design  
Kyle Cooper

sheet description:	prel. design date:	July 14, 2016
	checked by & date:	
	final design date:	

traffic circle islands
Interior Plant Beds
Islands A & B



T.I.P. #	ER-5600HC
WBS #	46305.3.21
FED I.D. #	STP-0829(007)
sheet no.:	total sheet no.:
<b>L-3</b>	<b>4</b>

