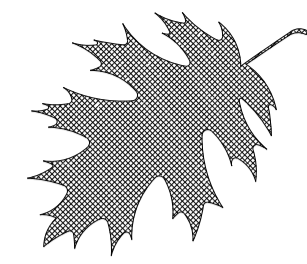
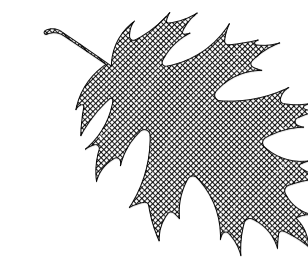


PROJECT: LANDSCAPE IMPROVEMENTS-HARPER RD. ROUNDABOUTS- FORSYTH COUNTY

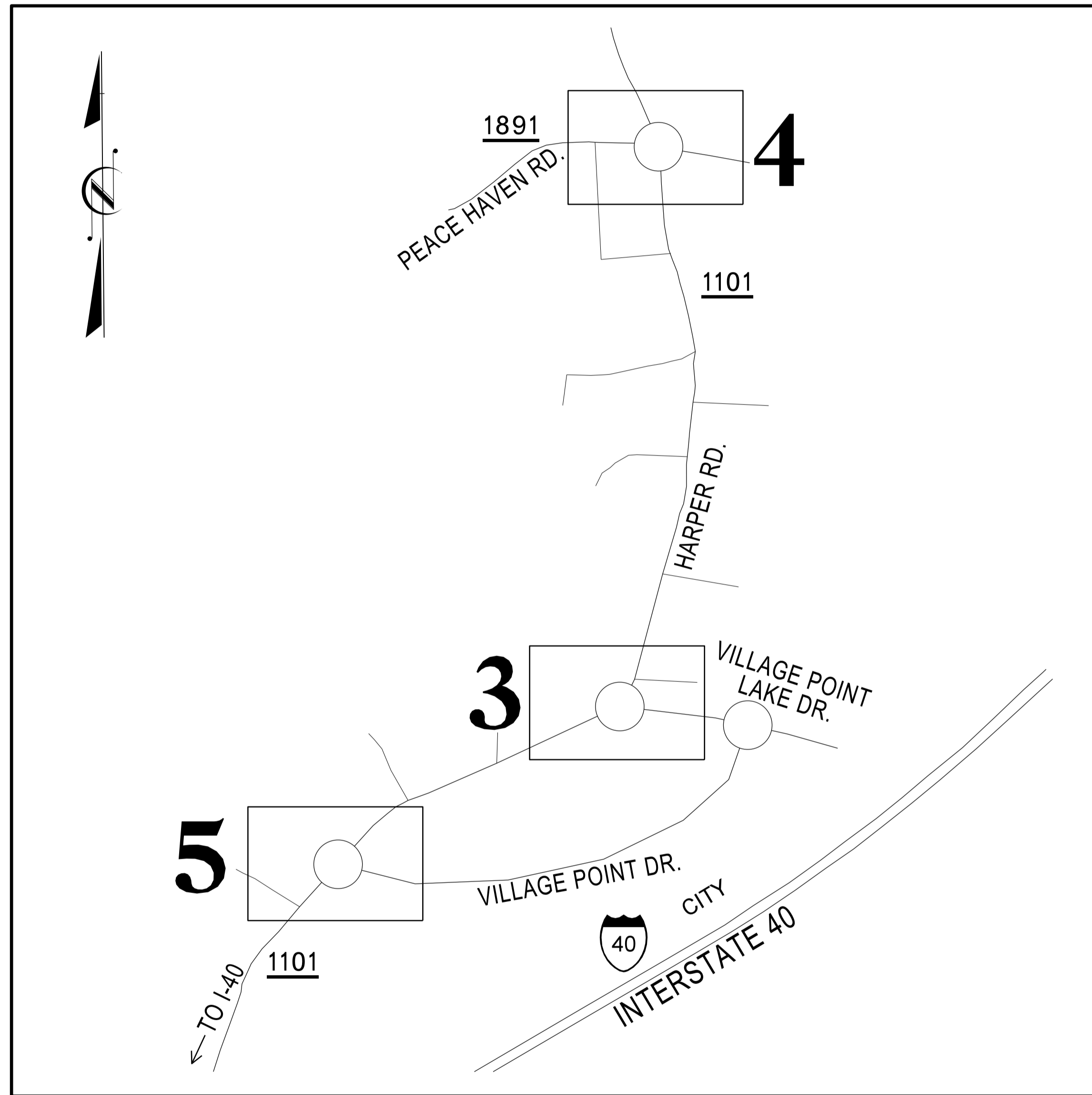


# PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT

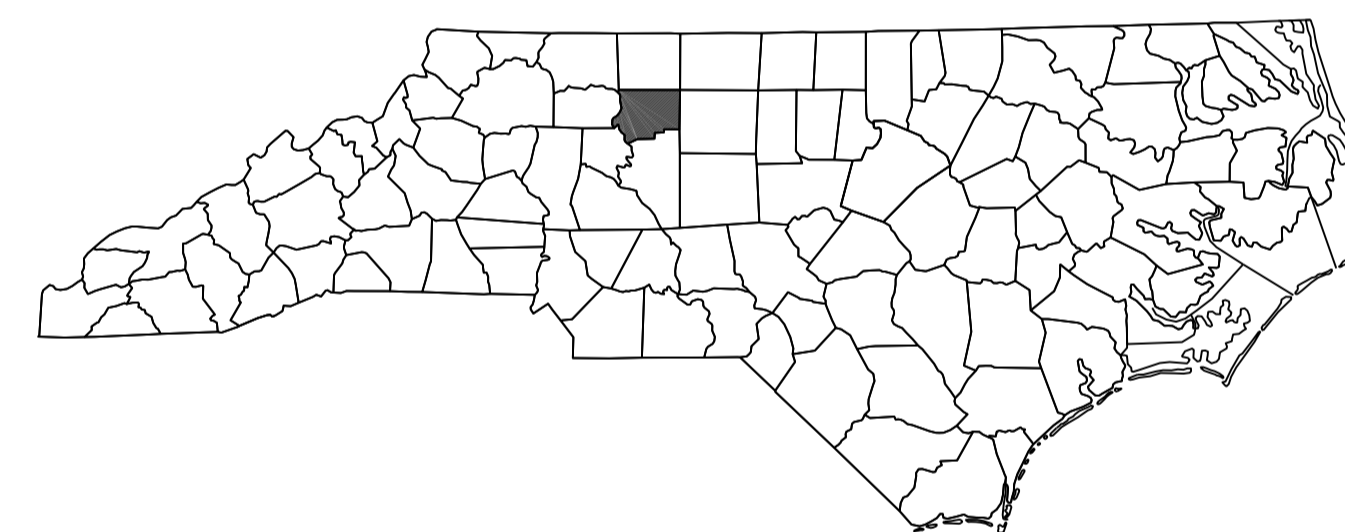
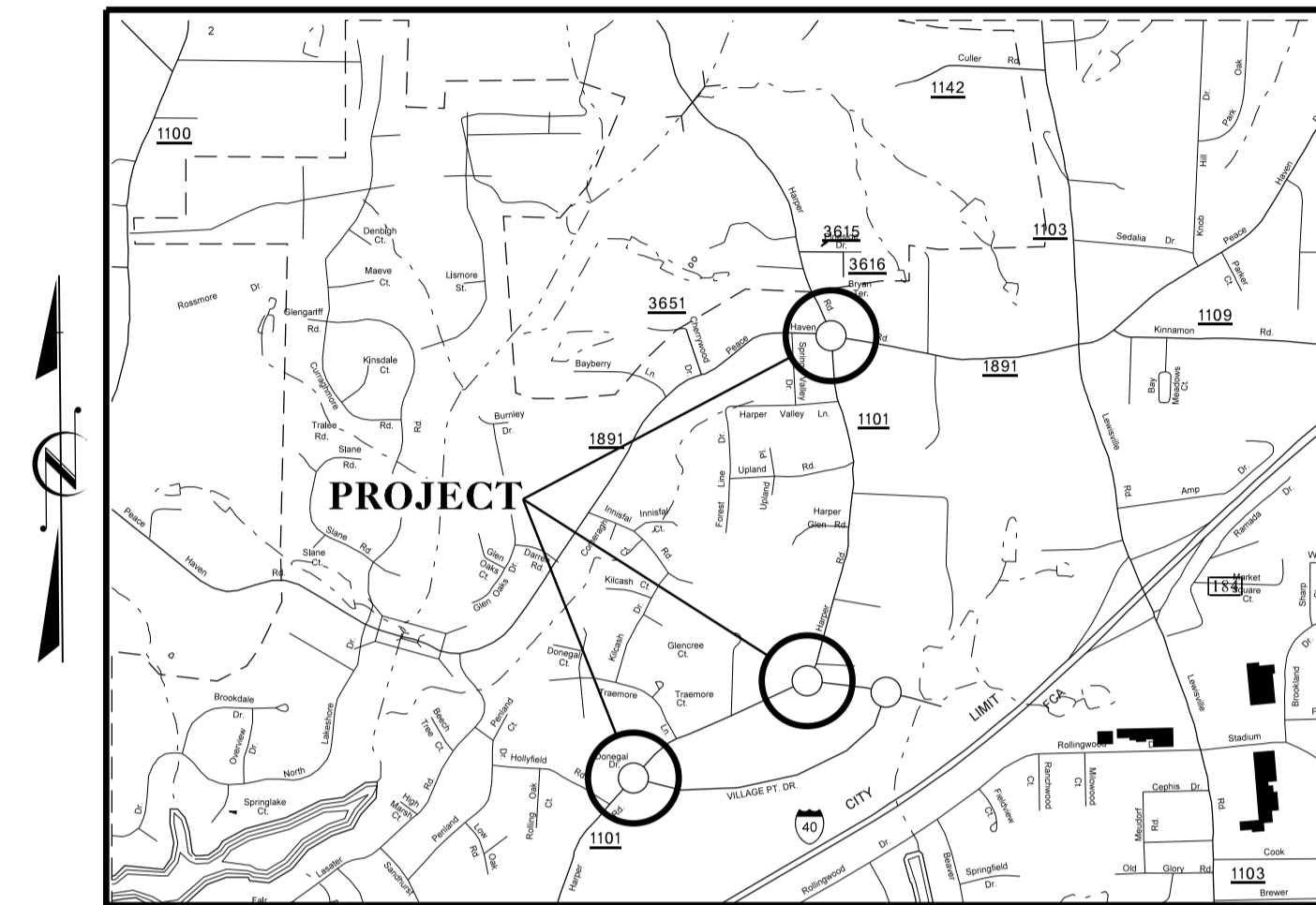


T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
NA	XXXXX.XX	1	5
FED. PROJ. #	DESCRIPTION	DIVISION	
NA	HARPER RD.	9	

PLAN SHEET LAYOUT



VICINITY MAP



CONVENTIONAL SYMBOLS

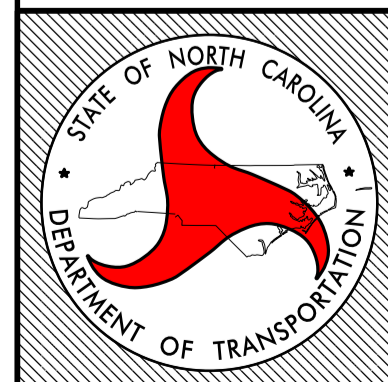
County Line.....	-----
City or Town Line.....	-----
Exist. Right of Way Line Marker.....	-----△-----
Prop. Right of Way Line Marker (By Others).....	-----▲-----
Prop Right of Way Line Marker (By Contract).....	-----▲-----
Exist. Control of Access Line.....	-----C-----
Prop. Control of Access Line.....	-----C-----
Property Line.....	-----
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.....	-----
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:

- 1.....TITLE, DESCRIPTION, NOTES
- 2.....PLANTING DETAILS
- 3-5.....LANDSCAPE PLANS

PREPARED BY: TODD HIATT  
 PRELIMINARY DESIGN DATE: MARCH, 2015  
 REVISION DATE:  
 FINAL DESIGN DATE: MARCH, 2015

HARPER RD. IN CLEMMONS



STATE OF  
**NORTH CAROLINA**  
 DEPARTMENT OF TRANSPORTATION

LOCATION: HARPER RD. ROUNDABOUTS IN CLEMMONS

TYPE OF WORK: LANDSCAPE PLANTING

COUNTY: FORSYTH COUNTY

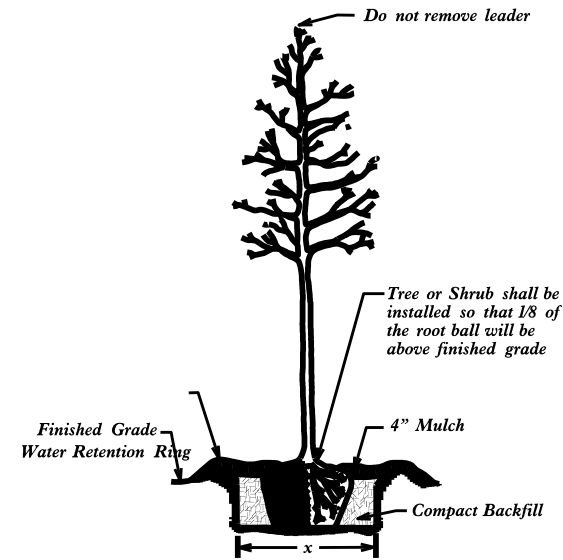
DIVISION: 9  
 ADDRESS: 375 Silas Creek Parkway,  
 Winston Salem, NC 27127

DIV. ENG.: PAT IVEY, PE

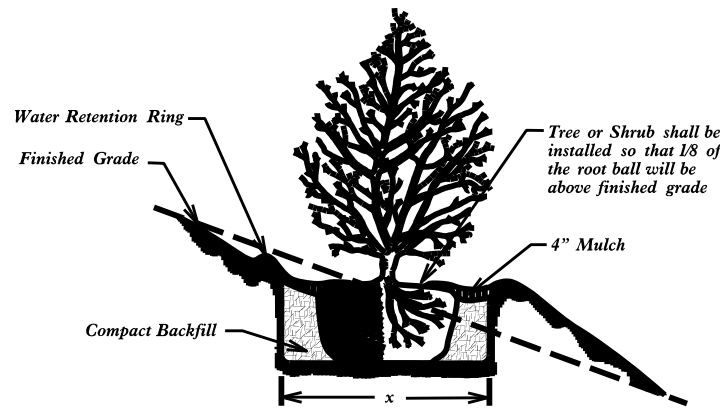
DIV. ROADSIDE DEPT. ENG.: TODD HIATT

2004 American Standard for Nursery Stock  
 2012 NCDOT STANDARD SPECIFICATIONS  
 PREPARED IN THE OFFICE OF:  
 NCDOT- DIVISION 9  
 ROADSIDE ENVIRONMENTAL UNIT  
 405 POLO RD.  
 WINSTON-SALEM NC 27105 336-896-7019

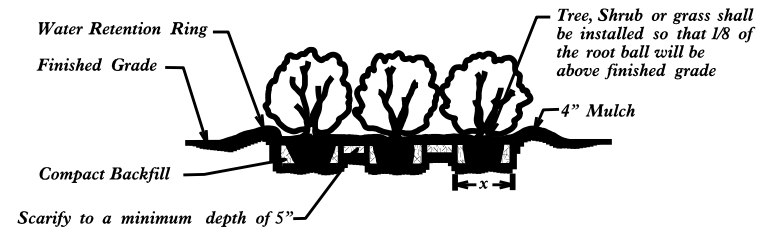
PROJECT REFERENCE NO.	SHEET NO.
	2
DETAIL SHEET	
DIVISION ENGINEER	ROADSIDE ENVIRONMENTAL ENGINEER
S.P. Ivey, PE	Todd Hiatt, PE



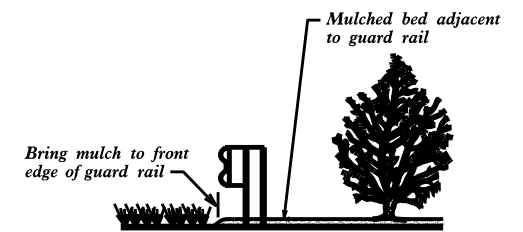
Tree or Shrub Planting Detail (Level Ground)



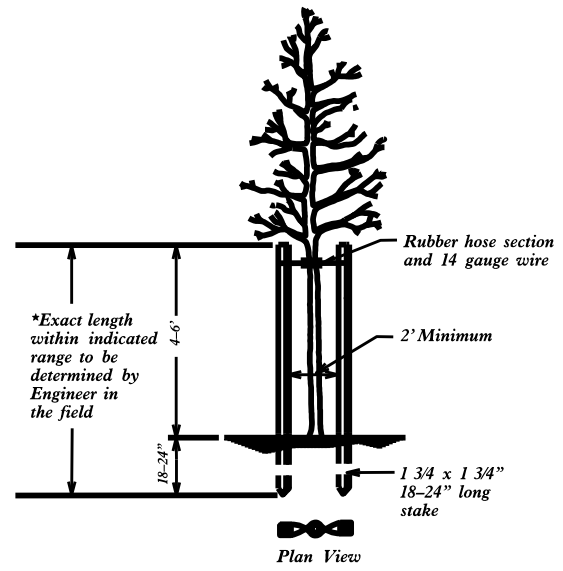
Tree or Shrub Planting Detail (Sloping Ground)



Bed Planting Detail

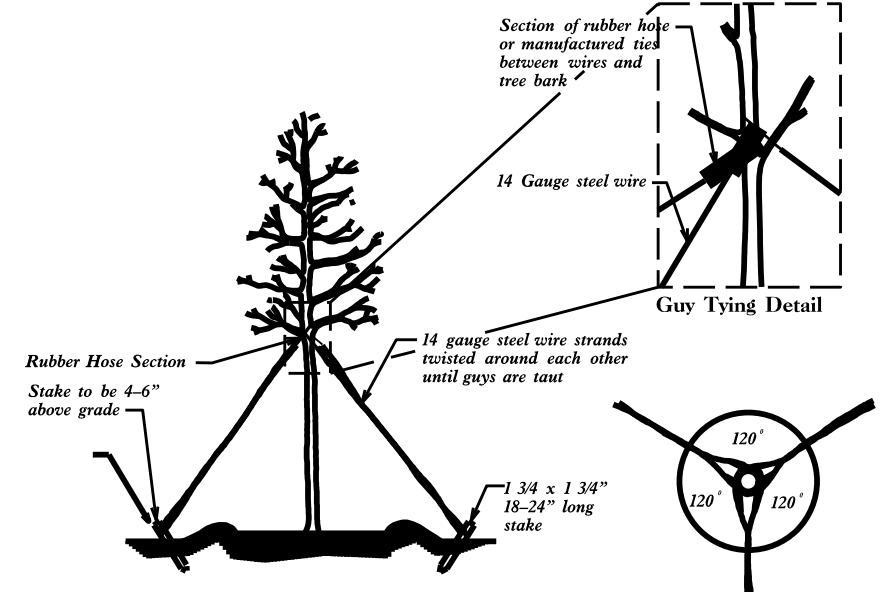


Plant Bed /Guard Rail Detail



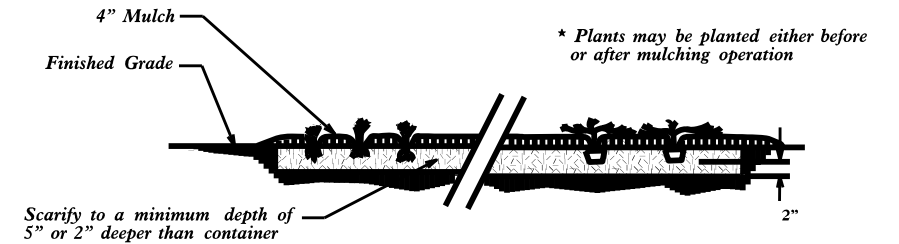
Staking Detail (for trees 6' to 10')

\* Utilize staking detail only if requested by the Engineer.



Tree Guying Detail (for trees 10' or larger)

\* Utilize guying detail only if requested by the Engineer.



Ground Cover Planting Detail

Notes:

- Schedule for Plant Hole Size:  
X = 2 times the diameter of the container or the root ball diameter
- Staking and guying shall be at the direction of the engineer in the field.
- Fertilizer shall be applied at time of planting. Fertilizer shall be a slow release pellet or tablet. Formulation shall be approved by the engineer in the field. Rates shall be per manufacturer's recommendations and approved by the engineer in the field. Thoroughly mix with topsoil, backfill or scarified soil.
- When mulched bed is adjacent to guard rail run mulch to front edge of guard rail - see detail
- Before backfilling, cut and remove wire basket and remove burlap around top of root ball to expose root collar. Depending on type of soil at installation site, set root ball at grade or slightly above as directed by the Engineer. Do not place mulch against root collar. Do not place mulch within 12" of tree trunk or 6" of shrub trunk.

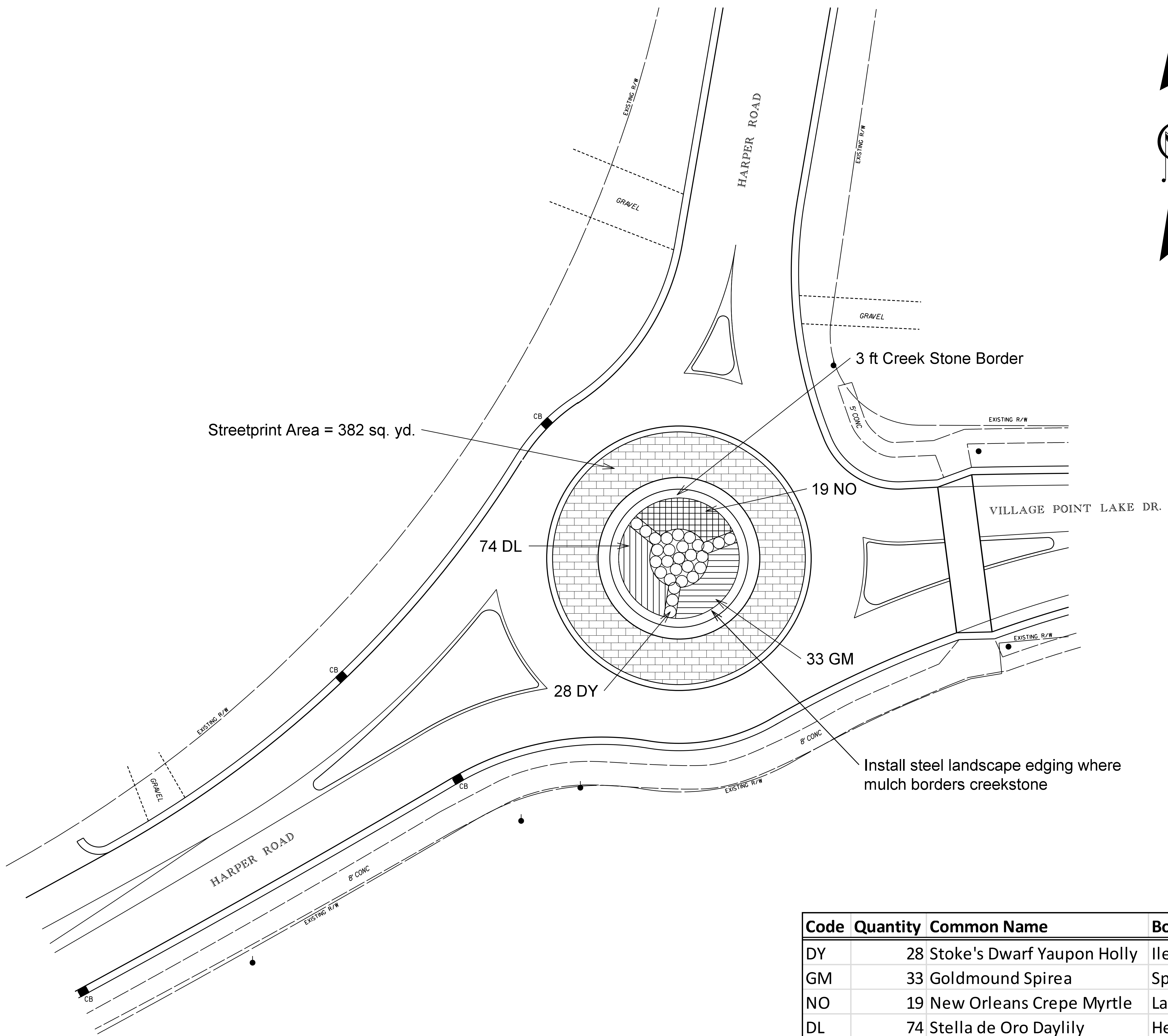
REVISIONS

8/06/13

SECTION: \$\$\$\$  
DRAWN: \$\$\$\$  
CHECKED: \$\$\$\$  
DATE: \$\$\$\$  
SCALE: \$\$\$\$  
BY: \$\$\$\$

PROJECT REFERENCE NO.		SHEET NO.	
		3	
RW SHEET NO.			
DIVISION ENGINEER		DIVISION ROADSIDE ENVIRONMENTAL ENGINEER	
S.P. Ivey, PE		Todd Hiatt, PE	

SCALE 1"=20'

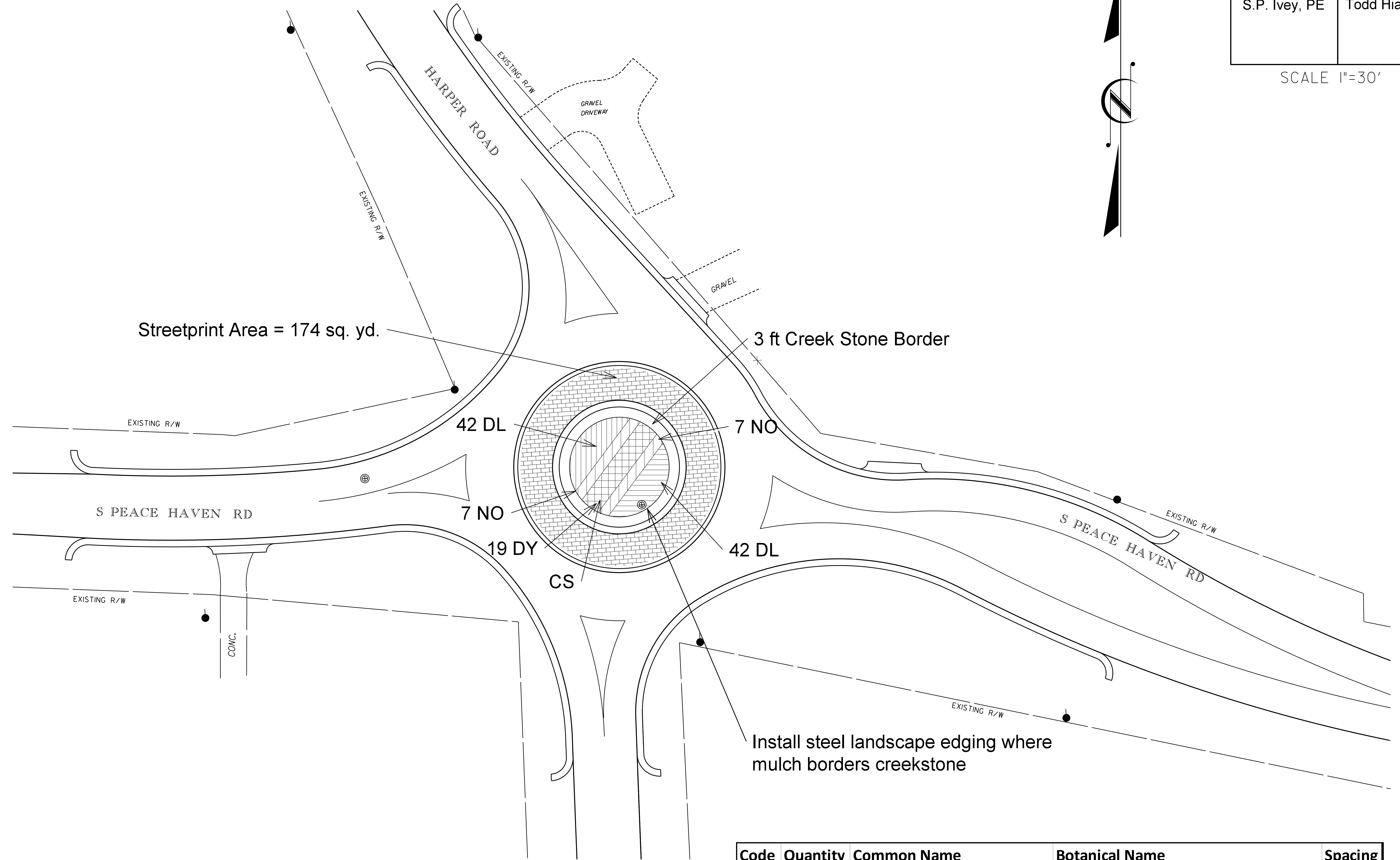
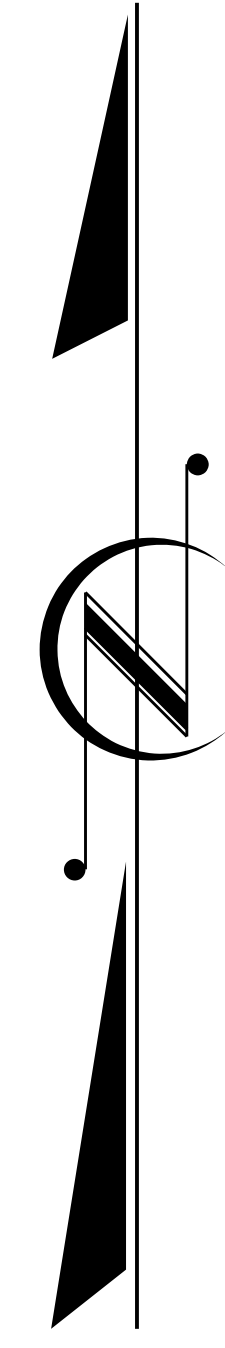


Code	Quantity	Common Name	Botanical Name	Spacing
DY	28	Stoke's Dwarf Yaupon Holly	<i>Ilex vomitoria</i> 'Stokes Dwarf'	4' o.c.
GM	33	Goldmound Spirea	<i>Spirea japonica</i> 'Goldmound'	3' o.c.
NO	19	New Orleans Crepe Myrtle	<i>Lagerstroemia indica</i> 'New Orleans'	4' o.c.
DL	74	Stella de Oro Daylily	<i>Hemerocallis</i> 'Stella de Oro'	2' o.c.
CS	3.45	Creek Stone (ton)		

5/14/99  
 1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12  
 13  
 14  
 15  
 16  
 17  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31  
 32  
 33  
 34  
 35  
 36  
 37  
 38  
 39  
 40  
 41  
 42  
 43  
 44  
 45  
 46  
 47  
 48  
 49  
 50  
 51  
 52  
 53  
 54  
 55  
 56  
 57  
 58  
 59  
 60  
 61  
 62  
 63  
 64  
 65  
 66  
 67  
 68  
 69  
 70  
 71  
 72  
 73  
 74  
 75  
 76  
 77  
 78  
 79  
 80  
 81  
 82  
 83  
 84  
 85  
 86  
 87  
 88  
 89  
 90  
 91  
 92  
 93  
 94  
 95  
 96  
 97  
 98  
 99  
 100

PROJECT REFERENCE NO.		SHEET NO.	
		4	
RW SHEET NO.			
DIVISION ENGINEER		DIVISION ROADSIDE ENVIRONMENTAL ENGINEER	
S.P. Ivey, PE		Todd Hiatt, PE	

SCALE 1"=30'



Code	Quantity	Common Name	Botanical Name	Spacing
DY	19	Stoke's Dwarf Yaupon Holly	Ilex vomitoria 'Stokes Dwarf'	3' o.c.
GM		Goldmound Spirea	Spirea japonica 'Goldmound'	3' o.c.
NO	14	New Orleans Crepe Myrtle	Lagerstroemia indica 'New Orleans'	4' o.c.
DL	84	Stella de Oro Daylily	Hemerocallis 'Stella de Oro'	2' o.c.
CS	3.98	Creek Stone (ton)		

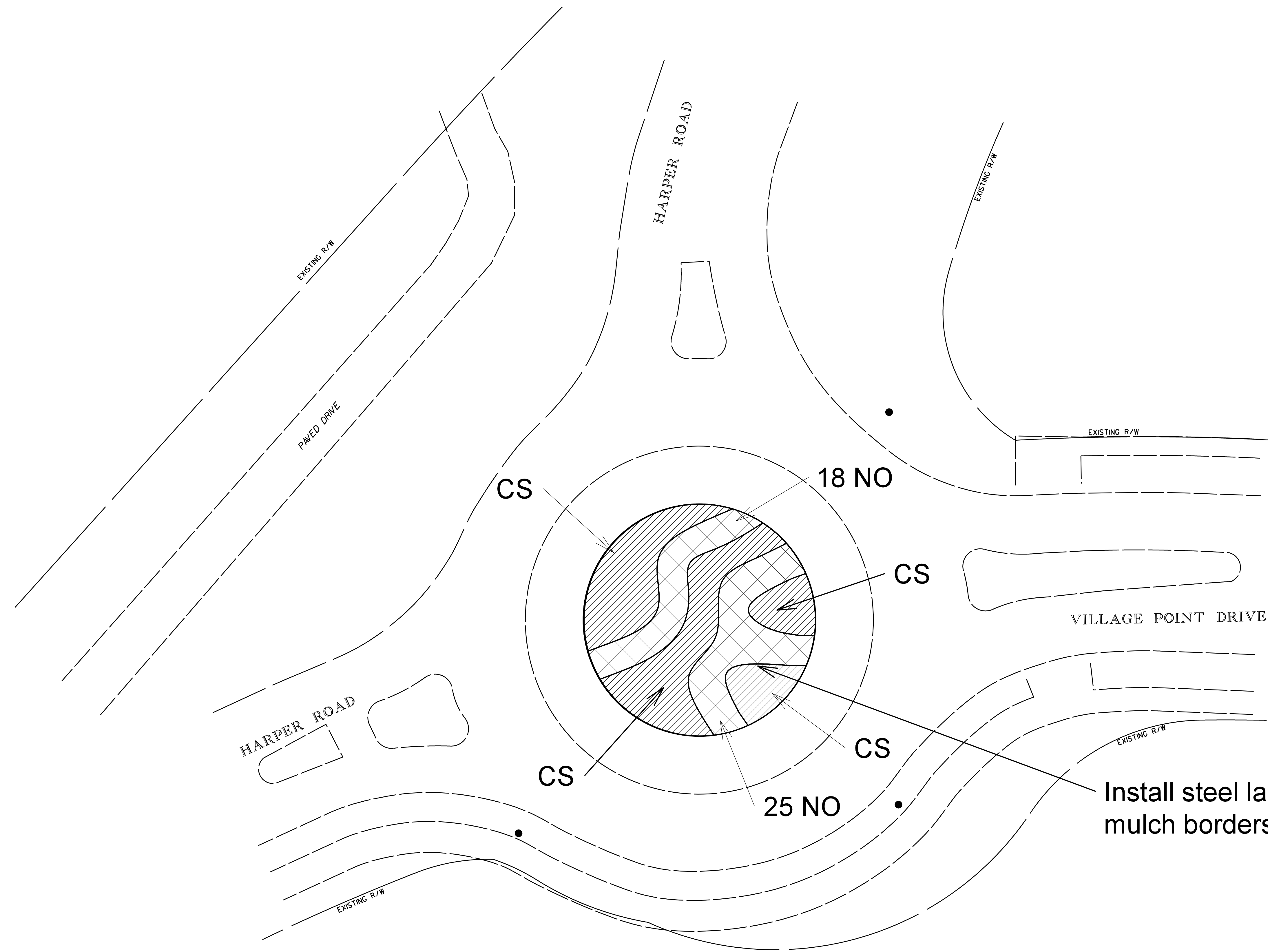
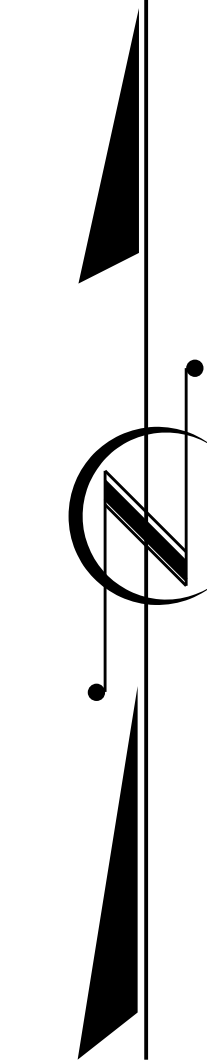
5/14/99

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

5/14/99

PROJECT REFERENCE NO.		SHEET NO.	
		5	
RW SHEET NO.			
DIVISION ENGINEER		DIVISION ROADSIDE ENVIRONMENTAL ENGINEER	
S.P. Ivey, PE		Todd Hiatt, PE	

SCALE 1"=20'



Install steel landscape edging where mulch borders creekstone

Code	Quantity	Common Name	Botanical Name	Spacing
DY		Stoke's Dwarf Yaupon Holly	Ilex vomitoria 'Stokes Dwarf'	4' o.c.
GM		Goldmound Spirea	Spirea japonica 'Goldmound'	3' o.c.
NO	43	New Orleans Crepe Myrtle	Lagerstroemia indica 'New Orleans'	4' o.c.
DL		Stella de Oro Daylily	Hemerocallis 'Stella de Oro'	2' o.c.
CS	8.35	Creek Stone (ton)		

5/14/99  
 S.P. IVEY, PE  
 T. HIATT, PE  
 1000 W. ...  
 ...  
 ...