CIVIL ENGINEER
THOMAS FIORELLO
SENIOR TRANSPORTATION ENGINEER
JED NIFFENEGGER, PE

THE CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

J. RUSSELL ALLEN
CITY MANAGER

NANCY L. McFARLANE
MAYOR

2012 TRAFFIC CALMING MINOR PROJECTS
PUBLIC HEARING NOVEMBER 6, 2012

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CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

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TRAFFIC CALMING PROJECT

2012 MINOR PROJECTS

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT
2012 MINOR PROJECTS

SHEET NO.
SHEET 2 of 36

DRAWING NO.
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CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

LAKE BOONE TRAIL

TRAFFIC CALMING PROJECT

DIXIE TRAIL TO BROOKS AVE

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
2012 MINOR PROJECTS	
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LAKE BOONE CALMING 1	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

LAKE BOONE TRAIL

TRAFFIC CALMING PROJECT

DIXIE TRAIL TO BROOKS AVE

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT

2012 MINOR PROJECTS

SHEET NO.

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DRAWING NO.

LAKE BOONE CALMING 2

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

LAKE BOONE TRAIL

TRAFFIC CALMING PROJECT

DIXIE TRAIL TO BROOKS AVE

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT

2012 MINOR PROJECTS

SHEET NO.

SHEET 5 of 36

DRAWING NO.

LAKE BOONE CALMING 3

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

LAKE BOONE TRAIL

TRAFFIC CALMING PROJECT

DIXIE TRAIL TO BROOKS AVE

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
2012 MINOR PROJECTS	
SHEET NO.	
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DRAWING NO.	
LAKE BOONE CALMING 4	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

LAKE BOONE TRAIL

TRAFFIC CALMING PROJECT

DIXIE TRAIL TO BROOKS AVE

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
2012 MINOR PROJECTS	
SHEET NO.	
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DRAWING NO.	
LAKE BOONE CALMING 5	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

SOUTHGATE DRIVE

TRAFFIC CALMING PROJECT

ROCK QUARRY TO RED QUARTZ

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
2012 MINOR PROJECTS	
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SOUTHGATE WEST CALMING 1	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

SOUTHGATE DRIVE

TRAFFIC CALMING PROJECT

ROCK QUARRY TO RED QUARTZ

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
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DRAWING NO.	
SOUTHGATE WEST CALMING 2	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

SOUTHGATE DRIVE

TRAFFIC CALMING PROJECT

ROCK QUARRY TO RED QUARTZ

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT

2012 MINOR PROJECTS

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DRAWING NO.

SOUTHGATE WEST CALMING 3

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

SOUTHGATE DRIVE

TRAFFIC CALMING PROJECT

ROCK QUARRY TO RED QUARTZ

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT

2012 MINOR PROJECTS

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SOUTHGATE WEST CALMING 4

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

SOUTHGATE DRIVE

TRAFFIC CALMING PROJECT

STAR SAPPHIRE TO RED QUARTZ

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
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SOUTHGATE EAST CALMING 1	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

SOUTHGATE DRIVE

TRAFFIC CALMING PROJECT

STAR SAPPHIRE TO RED QUARTZ

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
2012 MINOR PROJECTS	
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SOUTHGATE EAST CALMING 2	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

SOUTHGATE DRIVE

TRAFFIC CALMING PROJECT

STAR SAPPHIRE TO RED QUARTZ

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT

2012 MINOR PROJECTS

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DRAWING NO.

SOUTHGATE EAST CALMING 3

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

SOUTHGATE DRIVE

TRAFFIC CALMING PROJECT

STAR SAPPHIRE TO RED QUARTZ

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT

2012 MINOR PROJECTS

SHEET NO.

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DRAWING NO.

SOUTHGATE EAST CALMING 4

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

SOUTHGATE DRIVE

TRAFFIC CALMING PROJECT

STAR SAPPHIRE TO RED QUARTZ

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
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SOUTHGATE EAST CALMING 5	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

SOUTHGATE DRIVE

TRAFFIC CALMING PROJECT

STAR SAPPHIRE TO RED QUARTZ

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
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SOUTHGATE EAST CALMING 6	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

BEVERLY DRIVE

TRAFFIC CALMING PROJECT

LITTLE JOHN RD TO POOLE RD

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
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BEVERLY CALMING 1	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

BEVERLY DRIVE

TRAFFIC CALMING PROJECT

LITTLE JOHN RD TO POOLE RD

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
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BEVERLY CALMING 2	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

BEVERLY DRIVE

TRAFFIC CALMING PROJECT

LITTLE JOHN RD TO POOLE RD

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
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BEVERLY CALMING 3	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

BEVERLY DRIVE

TRAFFIC CALMING PROJECT

LITTLE JOHN RD TO POOLE RD

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
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BEVERLY CALMING 4	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

BEVERLY DRIVE

TRAFFIC CALMING PROJECT

LITTLE JOHN RD TO POOLE RD

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
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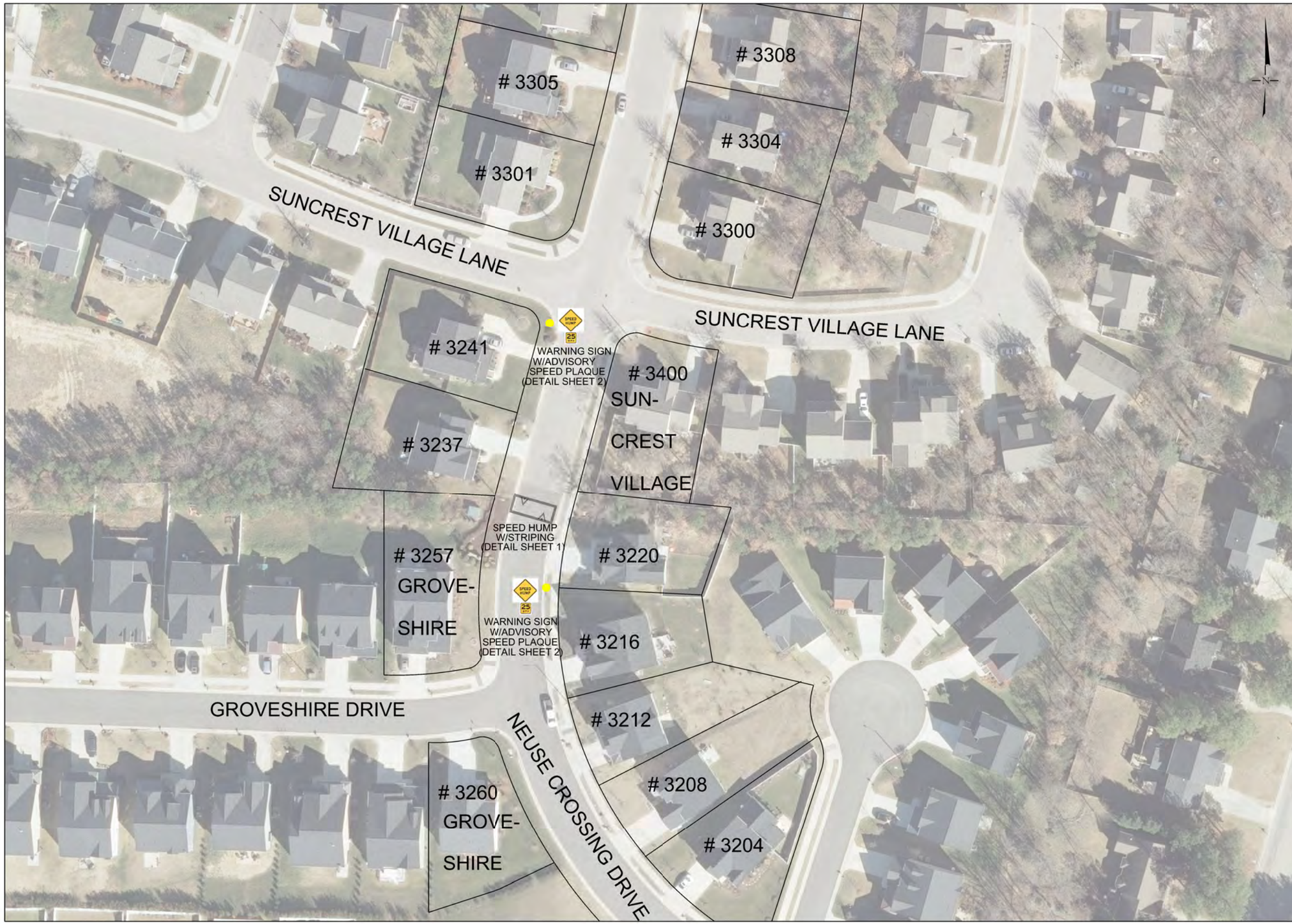
BEVERLY CALMING 5	



CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

NEUSE CROSSING DRIVE

TRAFFIC CALMING PROJECT

CASHEW TO MITCHELL MILL

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT

2012 MINOR PROJECTS

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DRAWING NO.

NEUSE CROSSING CALMING 1

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

NEUSE CROSSING DRIVE

TRAFFIC CALMING PROJECT

CASHEW TO MITCHELL MILL

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
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NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
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NEUSE CROSSING CALMING 2	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

NEUSE CROSSING DRIVE

TRAFFIC CALMING PROJECT

CASHEW TO MITCHELL MILL

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
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NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
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NEUSE CROSSING CALMING 3	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

NEUSE CROSSING DRIVE

TRAFFIC CALMING PROJECT

CASHEW TO MITCHELL MILL

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
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NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
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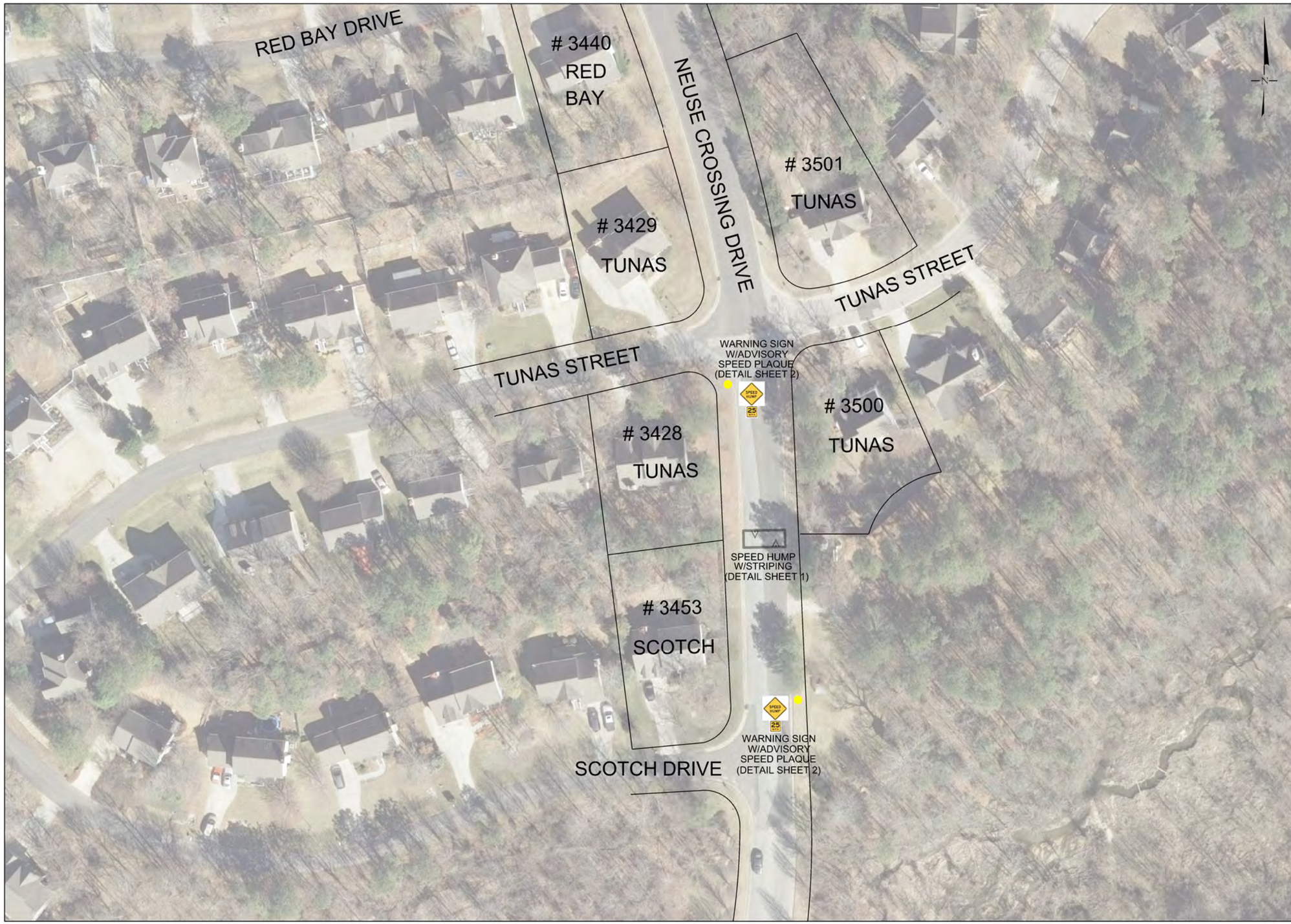
NEUSE CROSSING CALMING 4	



CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

NEUSE CROSSING DRIVE

TRAFFIC CALMING PROJECT

CASHEW TO MITCHELL MILL

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
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NEUSE CROSSING CALMING 5	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

NEUSE CROSSING DRIVE

TRAFFIC CALMING PROJECT

CASHEW TO MITCHELL MILL

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT

2012 MINOR PROJECTS

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DRAWING NO.

NEUSE CROSSING CALMING 6

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

NEUSE CROSSING DRIVE

TRAFFIC CALMING PROJECT

CASHEW TO MITCHELL MILL

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
PROJECT	
2012 MINOR PROJECTS	
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NEUSE CROSSING CALMING 7	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

MARCOM STREET

TRAFFIC CALMING PROJECT

STOVALL DR TO VARSITY DR

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT

2012 MINOR PROJECTS

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DRAWING NO.

MARCOM CALMING 1

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

MARCOM STREET

TRAFFIC CALMING PROJECT

STOVALL DR TO VARSITY DR

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
REVISIONS	
NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
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CITY OF RALEIGH

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RUMSON ROAD

TRAFFIC CALMING PROJECT

MARLBOROUGH TO BARKSDALE

DATE:	
DRAWN BY:	T FIORELLO
CHECKED BY:	
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NO.	DATE
SCALES	
HSCALE:	
VSCALE: N/A	
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RUMSON CALMING 1	

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

RUMSON ROAD

TRAFFIC CALMING PROJECT

MARLBOROUGH TO BARKSDALE

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT

2012 MINOR PROJECTS

SHEET NO.

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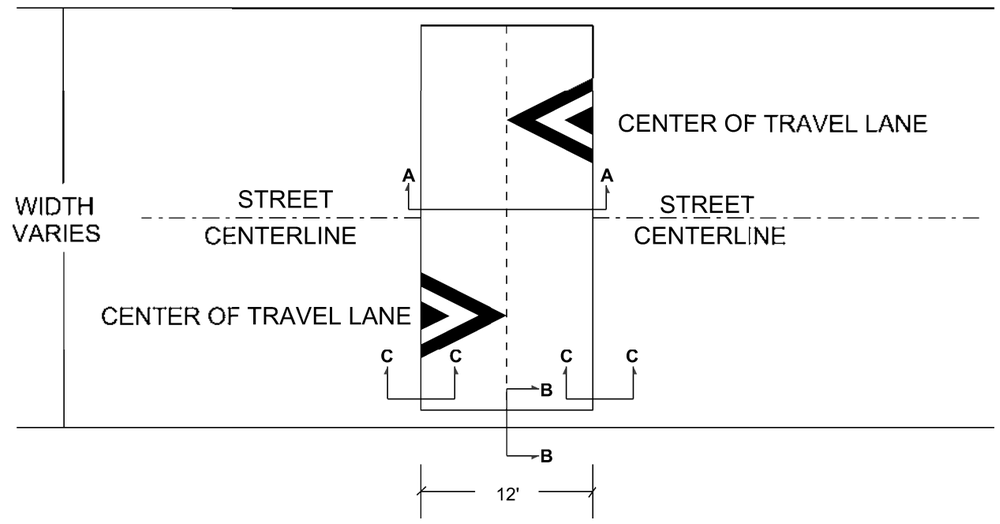
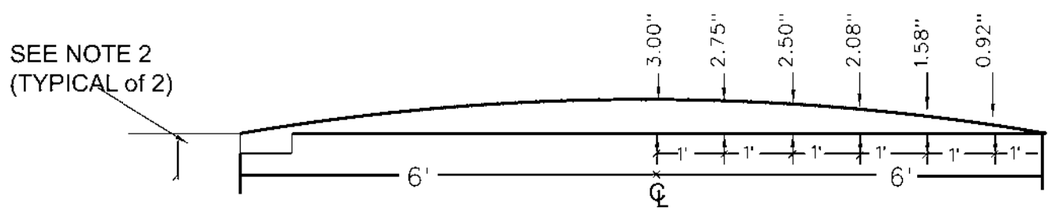
RUMSON CALMING 2

SPEED HUMP DETAIL

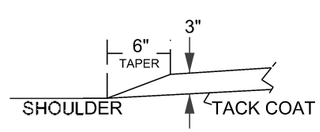


SECTION A - A

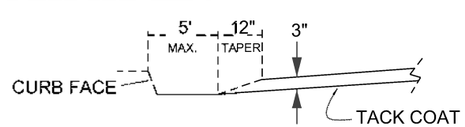


PARABOLIC CROWN

SECTION B - B

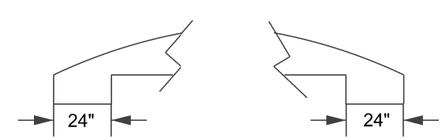


SHOULDER DETAIL FOR STREETS WITHOUT GUTTERS



GUTTER DETAIL FOR CURBED STREETS

SECTION C - C



FOOTING DETAIL

CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

DETAIL SHEET 1

TRAFFIC CALMING PROJECT

2012 MINOR PROJECTS

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS	
NO.	DATE

SCALES

HSCALE:

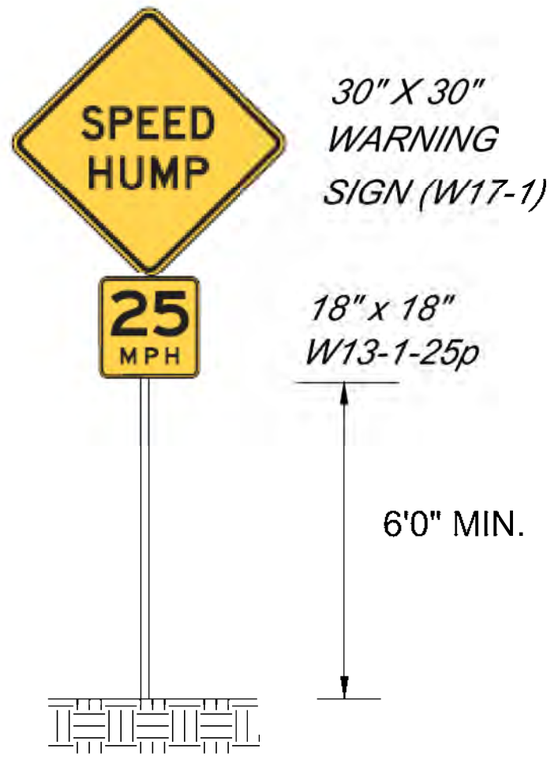
VSCALE: N/A

PROJECT
2012 MINOR PROJECTS

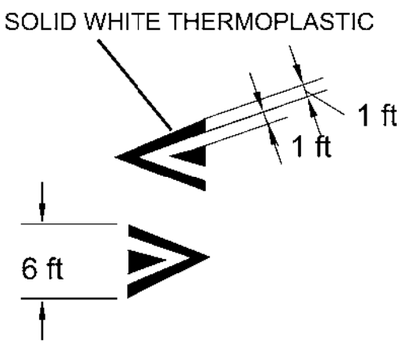
SHEET NO.
SHEET 34 of 36

DRAWING NO.
DETAIL SHEET 1

SIGN AND STRIPING DETAILS



APPROACH ARCH STRIPING



CITY OF RALEIGH

PUBLIC WORKS DEPARTMENT

DETAIL SHEET 2

TRAFFIC CALMING PROJECT

2012 MINOR PROJECTS

DATE:

DRAWN BY: T FIORELLO

CHECKED BY:

REVISIONS

NO.	DATE

SCALES

HSCALE:

VSCALE: N/A

PROJECT
2012 MINOR PROJECTS

SHEET NO.
SHEET 35 of 36

DRAWING NO.
DETAIL SHEET 2

General Notes:

1. All Work To Be Done In Accordance With NCDOT and City of Raleigh Standard Specifications.
2. Property and Right-of-Way is from GIS information and not Actual Survey
3. All Traffic-Calming Treatments to be Marked in Field by City of Raleigh Staff Prior to Installation.
4. Treatments May Require Advance Striping Based on Roadway Geometry.

Speed Hump Notes:

1. All Speed Humps to be Installed Per Speed Hump Detail Shown on Detail Sheet 1.
2. Asphaltic Concrete Shall Be NCDOT Type S9.5B.
3. Grind Minimum 24" Wide By 1" Deep Keyway In Existing AC Aligned with Leading Edges of Speed Hump.

Sign Notes:

1. All Signs To Be Installed Per MUTCD Standards.
2. All Warning Signs To Be "Speed Hump" (W17-1) 30"x 30" Black on Yellow. (See Sign Detail, Detail Sheet 2)
3. All Advisory Speed Plaques To Be "25 MPH" (W13-1p), 18" x 18", Black on Yellow. (See Sign Detail, Detail Sheet 2)

Striping Notes:

1. All Speed Hump Chevrons To Be Installed Per Approach Arch Striping Detail on Detail Sheet 2.

CITY OF RALEIGH
PUBLIC WORKS DEPARTMENT

GENERAL NOTES
TRAFFIC CALMING PROJECT
2012 MINOR PROJECTS

DATE:
DRAWN BY: T FIORELLO
CHECKED BY:

REVISIONS	
NO.	DATE

SCALES
HSCALE:
VSCALE: N/A

PROJECT
2012 MINOR PROJECTS

SHEET NO.
SHEET 36 of 36

DRAWING NO.
GENERAL NOTES