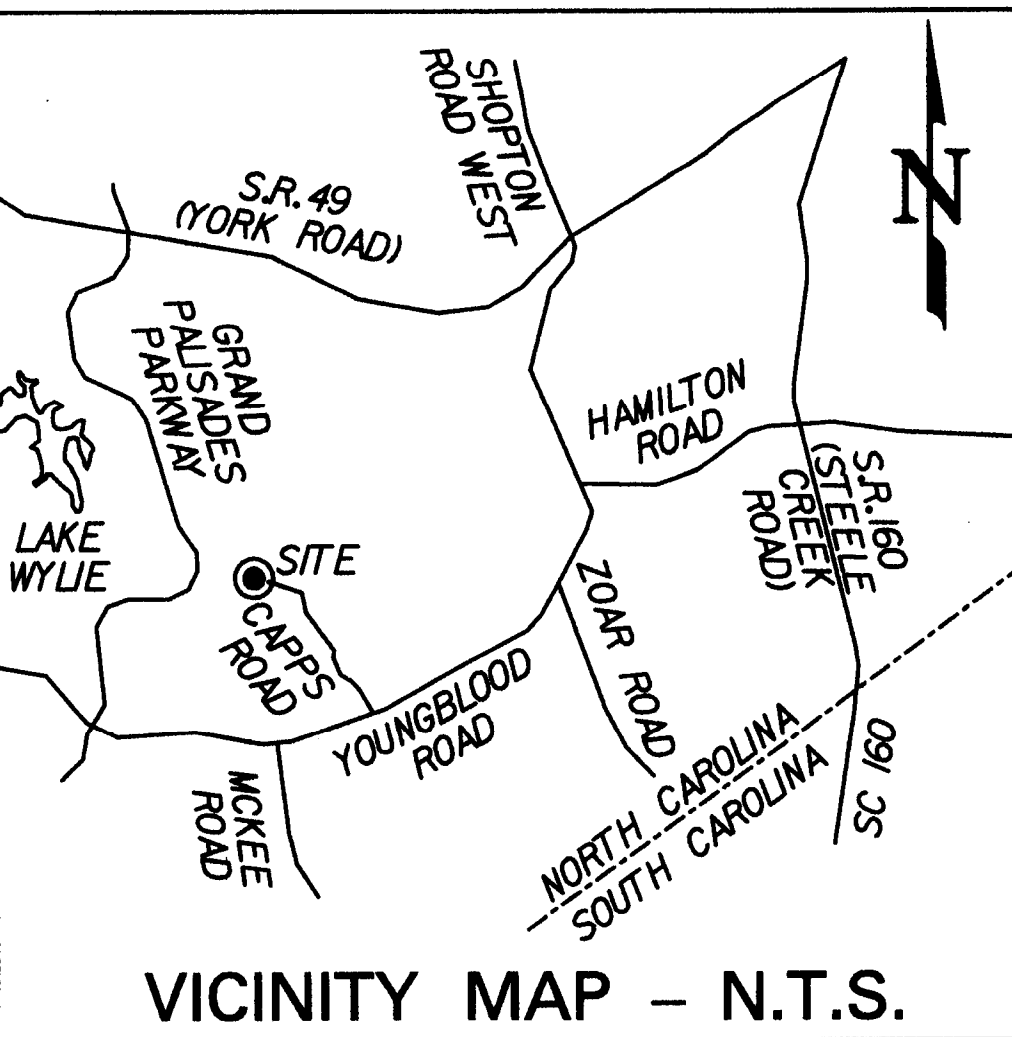




AREA 1
TOTAL AREA - 62,757 SF
IMPERVIOUS AREA ALLOWED - 24% - 15,682 SF
IMPERVIOUS AREA ROADS - 0 SF
IMPERVIOUS AREA SIDEWALKS - 0 SF
IMPERVIOUS ALLOWED PER LOT - 7,841 SF
LOT NUMBERS: 13, 14

AREA 2
TOTAL AREA - 826,09 SF
IMPERVIOUS AREA ALLOWED - 24% - 198,245 SF
IMPERVIOUS AREA ROADS - 60,203 SF
IMPERVIOUS AREA SIDEWALKS - 15,499 SF
IMPERVIOUS ALLOWED PER LOT - 5,343 SF
LOT NUMBERS: 12, 15, 25

AREA 3
TOTAL AREA - 644,221 SF
IMPERVIOUS AREA ALLOWED - 24% - 154,613 SF
IMPERVIOUS AREA ROADS - 47,022 SF
IMPERVIOUS AREA SIDEWALKS - 14,023 SF
IMPERVIOUS ALLOWED PER LOT - 4,253 SF
LOT NUMBERS: 13, 23, 46, 70, 71

AREA 4
TOTAL AREA - 515,822 SF
IMPERVIOUS AREA ALLOWED - 24% - 123,653 SF
IMPERVIOUS AREA ROADS - 31,843 SF
IMPERVIOUS AREA SIDEWALKS - 9,644 SF
IMPERVIOUS ALLOWED PER LOT - 4,695 SF
LOT NUMBERS: 47, 55, 62, 63

AREA 5
TOTAL AREA - 106,621 SF
IMPERVIOUS AREA ALLOWED - 24% - 25,593 SF
IMPERVIOUS AREA ROADS - 9,736 SF
IMPERVIOUS AREA SIDEWALKS - 1,016 SF
IMPERVIOUS ALLOWED PER LOT - 4,510 SF
LOT NUMBERS: 56, 59

AREA 6
TOTAL AREA - 85,034 SF
IMPERVIOUS AREA ALLOWED - 24% - 20,408 SF
IMPERVIOUS AREA ROADS - 0 SF
IMPERVIOUS AREA SIDEWALKS - 0 SF
IMPERVIOUS ALLOWED PER LOT - 10,204 SF
LOT NUMBERS: 60, 61

SWJ.M.BUFFER NOTES

1. THE STREAMSIDE ZONE OF THE BUFFER MUST BE LEFT COMPLETELY UNDISTURBED IN THE MANAGED USE ZONE. A LIMITED NUMBER OF TREES CAN BE REMOVED PROVIDED THAT THE TREE DENSITY REMAINING IS A MINIMUM OF 8 HEALTHY TREES OF A MINIMUM 6 INCH CALIPER PER 1000 SF. REMOVAL OF EXISTING VEGETATION MUST BE PERFORMED IN SUCH A MANNER AS TO PREVENT DAMAGE TO THE ROOTS OF REMAINING TREES.

2. ALL ENGINEERED CHANNELS AND PIPED OUTFALLS END OUTSIDE OF THE BUFFER.

3. NO FILL MATERIAL IS TO BE BROUGHT INTO THE BUFFER AND NO STRUCTURES ARE ALLOWED WITHIN ANY OF THE BUFFER AREAS (EXCEPT NON-COMMERCIAL OUT BUILDINGS NOT EXCEEDING 150 SF).

4. GRADING AND OTHER LAND DISTURBING ACTIVITIES ARE ALLOWED ONLY IN THE UPLAND ZONE, HOWEVER, THESE ACTIVITIES MUST BE PERFORMED IN SUCH A MANNER AS TO PREVENT DAMAGE TO THE ROOTS OF REMAINING TREES, GRASS OR OTHER SUITABLE GROUND COVER CAN BE APPLIED TO THE UPLAND ZONE.

5. THE OUTSIDE BUFFER BOUNDARY MUST BE CLEARLY MARKED BY ORANGE FABRIC FENCING PRIOR TO ANY LAND DISTURBING ACTIVITIES (GRADING, TREE CUTTING OR STUMPING, ETC.) AT THE SITE AND THIS FENCING MUST BE CALLED OUT ON THE PLANS.

6. THE OUTSIDE BOUNDARY OF THE STREAM BUFFER MUST BE PERMANENTLY MARKED WITH AN IRON PIN OR OTHER ACCEPTABLE PROPERTY CORNER MARKER AT STREET CROSSINGS AND THIS IRON MUST BE CALLED OUT ON PLANS.

DEVELOPER: CHARLOTTE HOLDINGS, LLC
23 OAKLAND PARK BOULEVARD
PLEASANT RIDGE, MI 48069
CONTACT: TYSON REILLY
704-637-2351

ENGINEER: INSITE ENGINEERING & SURVEYING
804 CORPORATE CENTER DRIVE, SUITE 200
CHARLOTTE, NC 28226
CONTACT: ANTHONY GAFFEY
704-540-4706

SITE DATA

JURISDICTION: CITY OF CHARLOTTE (E.T.J.)

TAX PARCEL: 21709106

TOTAL SITE AREA: 5188 AC

PROP. NUMBER OF LOTS: 71

R-3 CLUSTER GUIDELINES

MIN LOT AREA - 8,000 SF

MIN LOT WIDTH: 60'

MIN. FRONT SETBACK: 20' (PER SWJ.M.BUFFER GUIDELINES)

MIN. SIDE SETBACK: 6' 1/2' CORNER

MIN. REAR YARD: 30' INTERNAL; 45' EXTERNAL

MAXIMUM BUILDING COVERAGE FOR DETACHED DWELLINGS

LOT SIZE: 8,500-15,000 SF - 35%

LOT SIZE: 15,000 SF OR GREATER - 30%

COMMON OPEN SPACE REQ'D: 5.9 AC (10.0%)

COMMON OPEN SPACE PROV'D: 7.16 AC (13.8%)

TREE SAVE COMPUTATION (SEE SHEET 3 FOR DELINEATED AREAS)

TOTAL SITE AREA: 5188 AC

EXISTING EASEMENTS: 0.78 AC

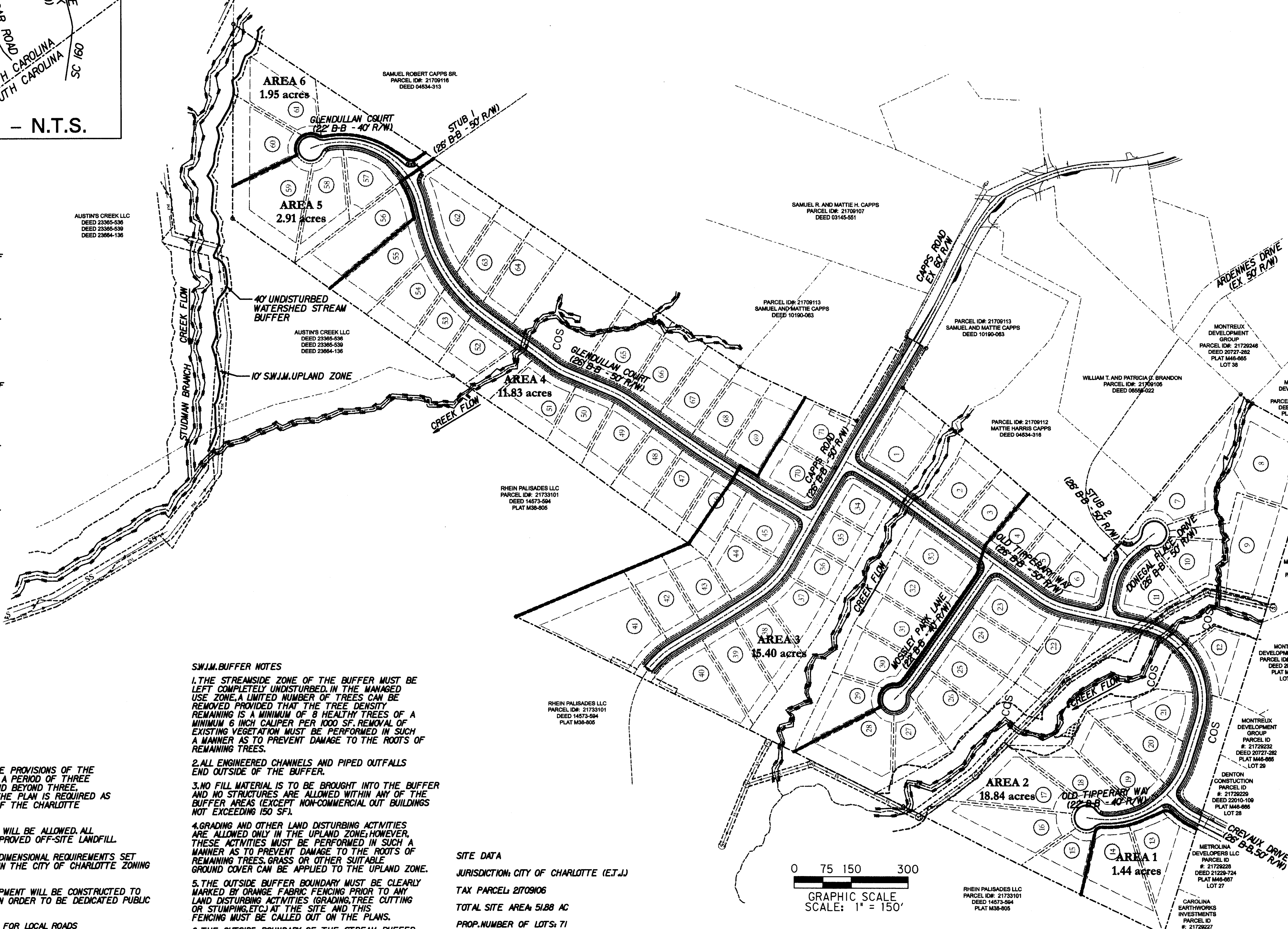
AREA USED FOR CAL'D: 5110 AC

10% TREESAVE AREA REQUIRED: 5.11 AC

TREESAVE AREA PROVIDED: 5.23 AC (10.2%)

CAMBRIA

MECKLENBURG COUNTY, NORTH CAROLINA
CITY OF CHARLOTTE, ETJ



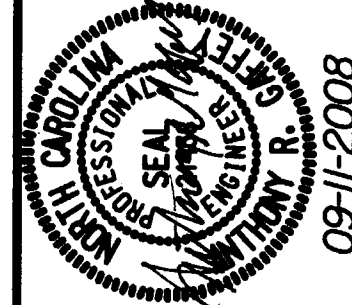
0 75 150 300
GRAPHIC SCALE
SCALE: 1" = 150'

SHEET INDEX

1. OVERALL SITE PLAN
2. EXISTING CONDITIONS
3. TREE SAVE AND TREE PLANTING PLAN
4. SITE PLAN 1
5. SITE PLAN 2
6. SITE PLAN 3
- 6a. CAPPS ROAD IMPROVEMENTS
7. GLENDULLAN COURT (1 OF 2) PLAN & PROFILE
8. GLENDULLAN COURT (2 OF 2) & STUB 1 PLAN & PROFILE
9. OLD TIPPERARY WAY (1 OF 2) & CREVAUX DRIVE PLAN & PROFILE
10. OLD TIPPERARY WAY (2 OF 2) PLAN & PROFILE
- 11a. CAPPS ROAD (1 OF 2) PLAN & PROFILE
- 11b. CAPPS ROAD (2 OF 2) PLAN & PROFILE
12. MOSSLEY PARK LANE PLAN & PROFILE
13. DONEGAL PLACE DRIVE & STUB 2 PLAN & PROFILE
14. STORM DRAINAGE & GRADING PLAN 1
15. STORM DRAINAGE & GRADING PLAN 2
16. STORM DRAINAGE & GRADING PLAN 3
17. DRAINAGE AREA MAP
- 17a. PHASE 1 TRAP DRAINAGE DIVIDE MAP
18. EROSION & SEDIMENTATION CONTROL PLAN 1 - PHASE 1
19. EROSION & SEDIMENTATION CONTROL PLAN 2 - PHASE 1
20. EROSION & SEDIMENTATION CONTROL PLAN 3 - PHASE 1
- 20a. PHASE 2 TRAP DRAINAGE DIVIDE MAP
21. EROSION & SEDIMENTATION CONTROL PLAN 1 - PHASE 2
22. EROSION & SEDIMENTATION CONTROL PLAN 2 - PHASE 2
23. EROSION & SEDIMENTATION CONTROL PLAN 3 - PHASE 2
24. STANDARD DETAILS (1 OF 4)
25. STANDARD DETAILS (2 OF 4) & STORM CHART
26. STANDARD DETAILS (3 OF 4)
27. STANDARD DETAILS (4 OF 4)
28. HEC-RAS CROSS-SECTIONS (1 OF 3)
29. HEC-RAS CROSS-SECTIONS (2 OF 3)
30. HEC-RAS CROSS-SECTIONS (3 OF 3)
31. CULVERT PROFILES (1 OF 2)
32. CULVERT PROFILES (2 OF 2)

Call North Carolina One-Call Center, Inc. Before Digging: 1-800-632-4949
A federal law now in effect states that any person who engages in excavation activities without first using an available one-call notification system to determine locations of underground facilities or without heeding location information or markings and subsequently damages a pipeline facility shall be subject to a fine, imprisonment, or both. The law also states that OSHA may be notified of any accident caused by an excavator.

DATE:	03-05-2008
TECHNICIAN:	ANL
CHECKED BY:	ANL
SCALE:	1" = 100'
PROJECT NO.:	03001
DRAWING TITLE:	overall site plan
SHEET NO.:	1 of 32



NO.	DATE	REVISIONS
1	03-05-08	REMARKS
2	07-22-08	ADDRESSED COMMENTS
3	08-11-08	ADDRESSED COMMENTS

CLIENT
CAMBRIA
CHARLOTTE HOLDINGS, LLC
23 Oakland Park Boulevard
Pleasant Ridge, MI 48069

TASK
OVERALL SITE PLAN

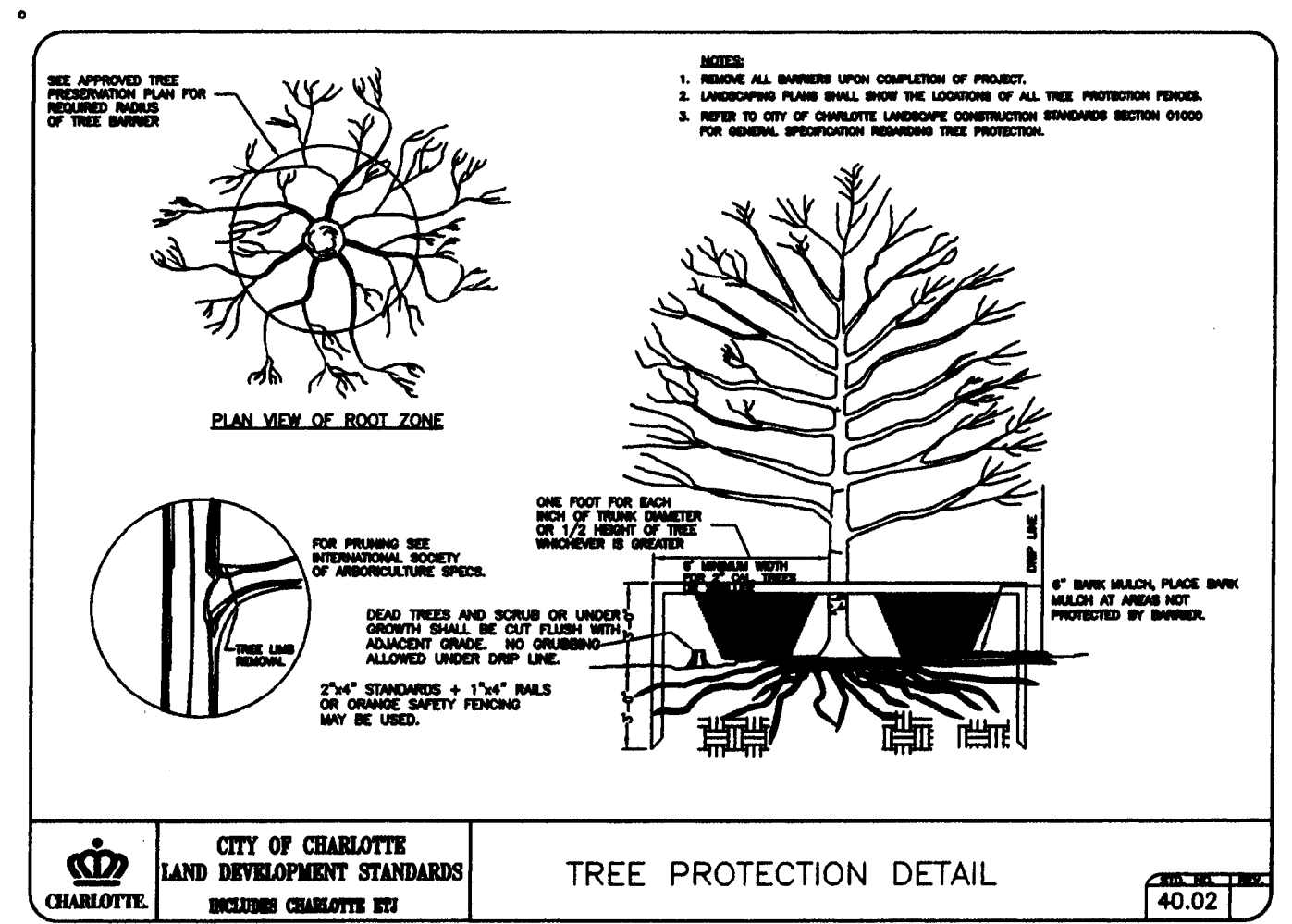
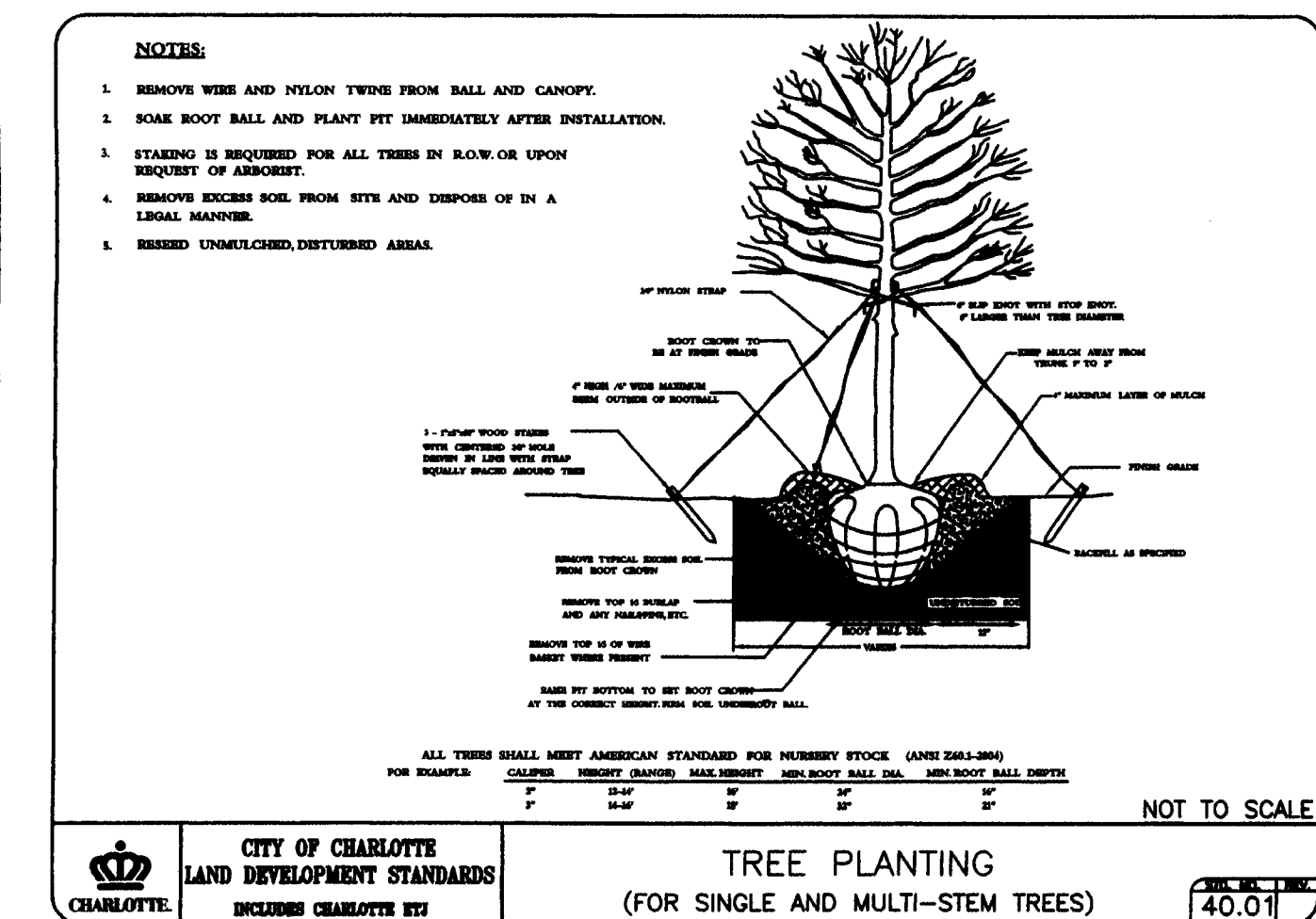
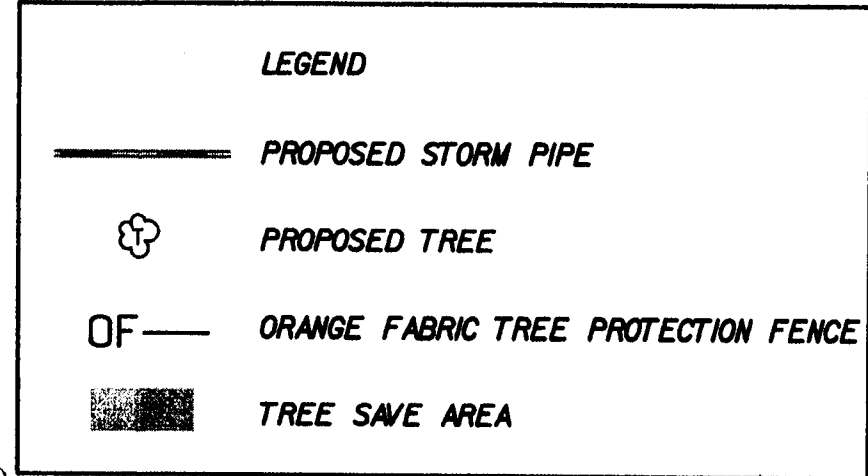
APPROVED FOR
CONSTRUCTION
11/14/2008

INSITE
Engineering & Surveying
8041 Corporate Center Drive
Suite 200
Charlotte, NC 28226
Phone: (704) 540-4706
Fax: (704) 540-4708

TREE SAVE CALCULATIONS:
GROSS TOTAL SITE AREA - 51.88 AC
TOTAL EXISTING EASEMENTS - 0.78 AC
TOTAL NET SITE AREA - 51.10 AC
REQUIRED TREE SAVE - 5.11 AC (10.0%)
PROVIDED TREE SAVE - 5.23 AC (10.2%)

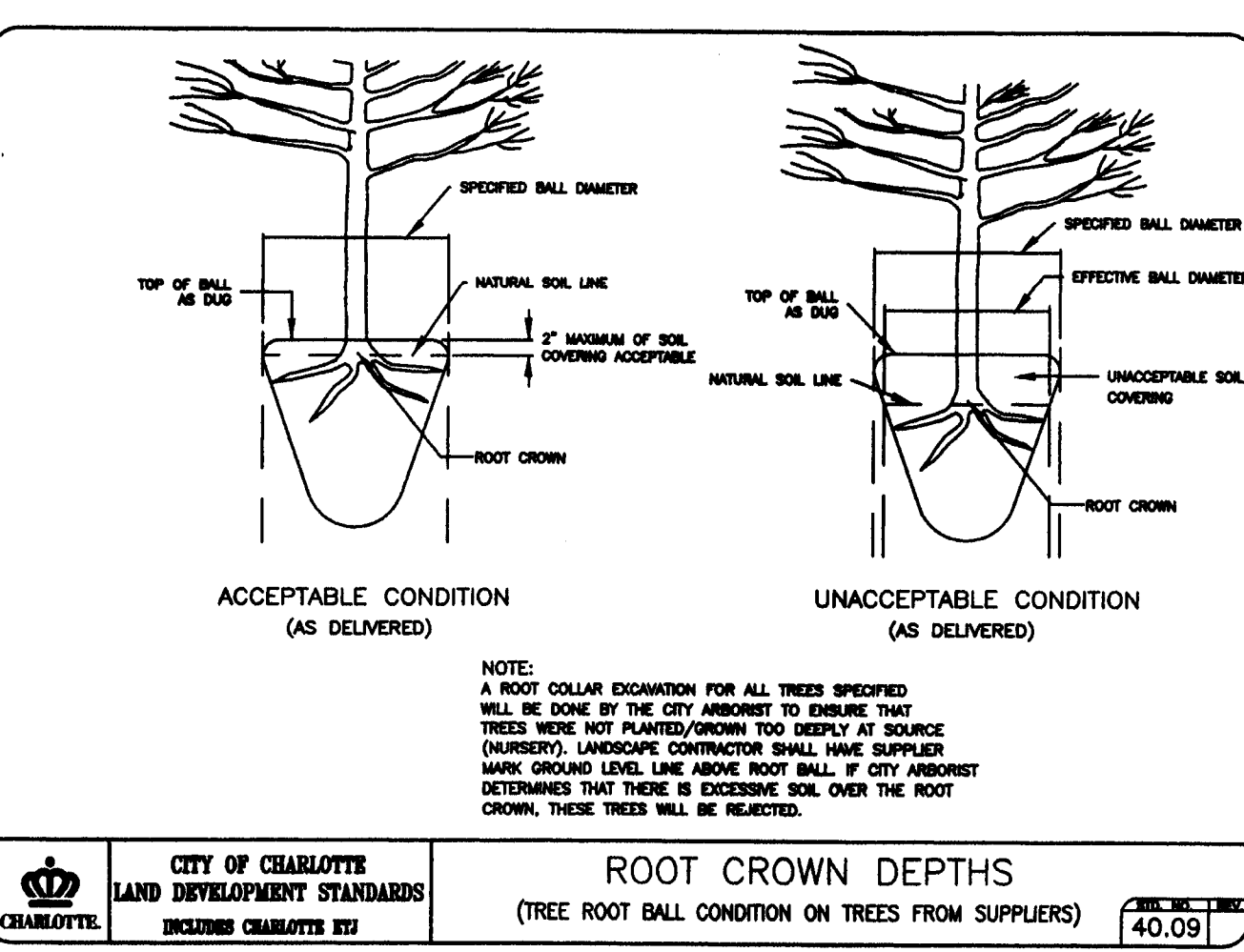
TREE PLANTING NOTES:
ALL TREES SHALL BE PLANTED PER CLDSM 40.01 AND 40.09
ALL STRAPPING AND TOP 2/3 OF WIRE BASKET MUST BE CUT AWAY AND REMOVED FROM ROOT BALL PRIOR TO BACKFILLING PLANTING PIT. REMOVE TOP 1/3 OF THE BURLAP FROM ROOT BALL.
LARGE MATURING TREES MAY NOT BE PLANTED WHERE THERE ARE OVERHEAD DISTRIBUTION OR TRANSMISSION LINES. IF TREES CONFLICT WITH POWER LINES OR SIGNS, CALL URBAN FORESTER TO RESOLVE BEFORE PLANTING.
ADJUST TREE PLANTING LOCATIONS TO AVOID UNDERGROUND UTILITIES.
NEW TREES SHALL BE A MINIMUM 2" CALIPER FOR STREET TREE REQUIREMENTS.
SEE TREE PRESERVATION NOTES ON SITE PLAN SHEETS.
THIS SITE DOES NOT INCLUDE ANY HERITAGE TREES LISTED ON THE NORTH CAROLINA BIG TREE LIST.

NOTE: PLANT STREET TREES AT APPROX. 50 FT INTERVALS AND A MAXIMUM OF 20' BOC PER ALL NOTES AND DETAILS.



SWJM BUFFER NOTES

- THE STREAMSIDE ZONE OF THE BUFFER MUST BE LEFT COMPLETELY UNDISTURBED IN THE MANAGED USE ZONE. A LIMITED NUMBER OF TREES CAN BE REMOVED PROVIDED THAT THE TREE DENSITY REMAINING IS A MINIMUM OF 8 HEALTHY TREES OF A MINIMUM 6 INCH CALIPER PER 1000 SF. REMOVAL OF EXISTING VEGETATION MUST BE PERFORMED IN SUCH A MANNER AS TO PREVENT DAMAGE TO THE ROOTS OF REMAINING TREES.
- ALL ENGINEERED CHANNELS AND PIPED OUTFALLS END OUTSIDE OF THE BUFFER.
- NO FILL MATERIAL IS TO BE BROUGHT INTO THE BUFFER AND NO STRUCTURES ARE ALLOWED WITHIN ANY OF THE BUFFER AREAS (EXCEPT NON-COMMERCIAL OUT BUILDINGS NOT EXCEEDING 150 SF).
- GRADING AND OTHER LAND DISTURBING ACTIVITIES ARE ALLOWED ONLY IN THE UPLAND ZONE; HOWEVER, THESE ACTIVITIES MUST BE PERFORMED IN SUCH A MANNER AS TO PREVENT DAMAGE TO THE ROOTS OF REMAINING TREES, GRASS OR OTHER SUITABLE GROUND COVER CAN BE APPLIED TO THE UPLAND ZONE.
- THE OUTSIDE BUFFER BOUNDARY MUST BE CLEARLY MARKED BY ORANGE FABRIC FENCING PRIOR TO ANY LAND DISTURBING ACTIVITIES (GRADING, TREE CUTTING OR STUMPING, ETC.) AT THE SITE AND THIS FENCING MUST BE CALLED OUT ON THE PLANS.
- THE OUTSIDE BOUNDARY OF THE STREAM BUFFER MUST BE PERMANENTLY MARKED WITH AN IRON PIN OR OTHER ACCEPTABLE PROPERTY CORNER MARKER AT STREET CROSSINGS AND THIS IRON MUST BE CALLED OUT ON PLANS.



TREE TYPE TABLE:

GLENDULLAN COURT:	OAK, LIVE (QUERCUS VIRGINIANA)
OLD TIPPERARY WAY:	ELM, LACEBARK (ULMUS PARVIFOLIA)
CAPPS ROAD:	LINDEN, LITTLE LEAF (LILIA CORDATA)
MOSSLEY PARK LANE:	MAPLE, FREEMAN (ACER X FREMANII)
STUB 1:	MAPLE, SUGAR (ACER SACCHARUM)
DONEGAL PLACE DRIVE:	OAK, OVERCUP (QUERCUS LYRATA)
CREVAUX DRIVE:	OAK, SOUTHERN RED (QUERUS FALCATA)

0 60 120 240
GRAPHIC SCALE
SCALE: 1" = 120'

DATE: 03-05-2008
TECHNICIAN: MSL
CHECKED BY: ARE
SCALE: 1" = 120'
PROJECT NO: 03001
DRAWING TITLE: LANDSCAPE
SHEET NO. 3 of 32

REVISIONS

NO.	DATE	REVISIONS
1	06-12-08	REVISIONS
2	07-22-08	REVISIONS
3	08-14-08	REVISIONS

CLIENT: CAMBRIA
CHARLOTTE HOLDINGS, LLC
23 Oakland Park Boulevard
Pleasant Ridge, MI 48069

TASK: TREE SAVE AND TREE PLANTING PLAN

INSITE
Engineering & Surveying
8041 Corporate Center Drive
Suite 200
Charlotte, NC 28226
Phone: (704) 540-4706
Fax: (704) 540-4708

LOT#	SWPE	LOT#	SWPE
1	655.90	29	624.23
2	655.90	30	631.73
7	643.65	31	638.01
8	643.65	32	645.72
9	636.53	33	647.11
10	633.16	34	647.11
11	633.09	35	645.72
12	633.38	36	638.01
16	611.83	37	631.73
17	615.68	38	624.23
18	619.92	51	613.58
19	621.86	52	613.58
20	625.61	59	600.63
21	625.61	60	603.91
22	625.61	61	606.25
25	618.17	64	620.25
26	615.68	65	626.40
27	613.59	66	631.24
28	610.25		

SWPE: STORM WATER PROTECTION ELEVATION

SWIM BUFFER NOTES

1. THE STREAMSIDE ZONE OF THE BUFFER MUST BE LEFT COMPLETELY UNDISTURBED. IN THE MANAGED USE ZONE, A LIMITED NUMBER OF TREES CAN BE REMOVED PROVIDED THAT THE TREE DENSITY REMAINING IS A MINIMUM OF 8 HEALTHY TREES OF A MINIMUM 6 INCH CALIPER PER 1000 SF. REMOVAL OF EXISTING VEGETATION MUST BE PERFORMED IN SUCH A MANNER AS TO PREVENT DAMAGE TO THE ROOTS OF REMAINING TREES.

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6. THE OUTSIDE BOUNDARY OF THE STREAM BUFFER MUST BE PERMANENTLY MARKED WITH AN IRON PIN OR OTHER ACCEPTABLE PROPERTY CORNER MARKER AT STREET CROSSINGS AND THIS IRON MUST BE CALLED OUT ON PLANS.

NISTIN'S CREEK LLC
DEED 23365-538
DEED 23365-539
DEED 23684-136

KEY MAP N.T.S.

AREA 1
TOTAL AREA - 62,757 SF
IMPERVIOUS AREA ALLOWED - 24% - 15,682 SF
IMPERVIOUS AREA ROADS - 0 SF
IMPERVIOUS AREA SIDEWALKS - 0 SF
IMPERVIOUS ALLOWED PER LOT - 7,841 SF
LOT NUMBERS: 13, 14

AREA 2
TOTAL AREA - 826,019 SF
IMPERVIOUS AREA ALLOWED - 24% - 198,245 SF
IMPERVIOUS AREA ROADS - 60,203 SF
IMPERVIOUS AREA SIDEWALKS - 15,149 SF
IMPERVIOUS ALLOWED PER LOT - 5,343 SF
LOT NUMBERS: 4, 12, 15, 28

AREA 3
TOTAL AREA - 644,221 SF
IMPERVIOUS AREA ALLOWED - 24% - 154,613 SF
IMPERVIOUS AREA ROADS - 44,146 SF
IMPERVIOUS AREA SIDEWALKS - 13,291 SF
IMPERVIOUS ALLOWED PER LOT - 4,319 SF
LOT NUMBERS: 1, 3, 29, 46, 70, 71

AREA 4
TOTAL AREA - 515,222 SF
IMPERVIOUS AREA ALLOWED - 24% - 123,653 SF
IMPERVIOUS AREA ROADS - 31,843 SF
IMPERVIOUS AREA SIDEWALKS - 9,644 SF
IMPERVIOUS ALLOWED PER LOT - 4,695 SF
LOT NUMBERS: 47, 55, 62, 69

AREA 5
TOTAL AREA - 126,621 SF
IMPERVIOUS AREA ALLOWED - 24% - 30,389 SF
IMPERVIOUS AREA ROADS - 9,736 SF
IMPERVIOUS AREA SIDEWALKS - 1,015 SF
IMPERVIOUS ALLOWED PER LOT - 4,910 SF
LOT NUMBERS: 56, 59

AREA 6
TOTAL AREA - 85,034 SF
IMPERVIOUS AREA ALLOWED - 24% - 20,408 SF
IMPERVIOUS AREA ROADS - 0 SF
IMPERVIOUS AREA SIDEWALKS - 0 SF
IMPERVIOUS ALLOWED PER LOT - 10,204 SF
LOT NUMBERS: 60, 61

JURISDICTIONAL CHANNEL
(TRIBUTARY - 3)

RHEIN PALSADES LLC
DB 16573 PG 294
1653 PG 293
PARCEL ID: 273301

NISTIN'S CREEK LLC
DEED 23365-538
DEED 23365-539
DEED 23684-136

SAMUEL ROBERT CAPPS SR.
CLOSED 50' R/W
DEED 04634-313

TREE SAVE AREAS

MATCHLINE SHEET 5

0 30 60 120
GRAPHIC SCALE
SCALE: 1" = 60'

DATE: 03-05-2008
TECHNICIAN: JMS
CHECKED BY: JMS
SCALE: 1" = 60'
PROJECT NO: 08801
DRAWING TITLE: SITE PLAN
SHEET NO. 4 OF 32



NO.	DATE	REVISIONS
1	03-05-08	REMARKS
2	07-26-08	ADDRESSED COMMENTS
3	08-14-08	ADDRESSED COMMENTS

CLIENT
CAMBRIA
CHARLOTTE HOLDINGS, LLC
23 Oakland Park Boulevard
Pleasant Ridge, MI 48069

TASK
SITE PLAN 1

INSITE
Engineering & Surveying
8041 Corporate Center Drive
Suite 200
Charlotte, NC 28226
Phone: (704) 540-4706
Fax: (704) 540-4708

MATCHLINE SHEET 4

TRIBUTARY 2

CROSS SECTION	Q (cfs)	100-YR WSEL	100 + 1 ELEV
2-2046	61	654.90	655.90
2-1947	61	651.53	652.53
2-1877	61	651.54	652.54
2-1817	Culvert		
2-1748	102	646.11	647.11
2-1696	102	644.72	645.72
2-1597	102	637.01	638.01
2-1500	102	630.73	631.73
2-1395	102	626.14	627.14
2-1302	102	623.23	624.23
2-1202	102	616.05	617.05
2-1102	102	612.20	613.20
2-1000	102	605.94	606.94

TRIBUTARY 3

CROSS SECTION	Q (cfs)	100-YR WSEL	100 + 1 ELEV
3-1743	100	630.24	631.24
3-1636	100	625.40	626.40
3-1536	100	623.32	624.32
3-1433	100	621.86	622.86
3-1353	100	619.25	620.25
3-1323	100	617.88	618.88
3-1196	Culvert		
3-1078	120	612.58	613.58
3-1000	120	610.43	611.43

RHEIN PAUSADES LLC
PARCEL ID: 275301
DEED 1457-004
PLAN 138-005

PARCEL ID: 270813
SAMUEL AND MATTIE CAPPS
DEED 1090-063

AREA 1
TOTAL AREA - 62757 SF
IMPERVIOUS AREA ALLOWED - 24% - 15,682 SF
IMPERVIOUS AREA ROADS - 0 SF
IMPERVIOUS AREA SIDEWALKS - 0 SF
IMPERVIOUS ALLOWED PER LOT - 7,841 SF
LOT NUMBERS: 13,14

AREA 2
TOTAL AREA - 826019 SF
IMPERVIOUS AREA ALLOWED - 24% - 198,245 SF
IMPERVIOUS AREA ROADS - 60,203 SF
IMPERVIOUS AREA SIDEWALKS - 15,449 SF
IMPERVIOUS ALLOWED PER LOT - 5,343 SF
LOT NUMBERS: 4,12,15-28

AREA 3
TOTAL AREA - 644,221 SF
IMPERVIOUS AREA ALLOWED - 24% - 154,613 SF
IMPERVIOUS AREA ROADS - 44,446 SF
IMPERVIOUS AREA SIDEWALKS - 13,291 SF
IMPERVIOUS ALLOWED PER LOT - 4,319 SF
LOT NUMBERS: 1-3, 29-46, 70, 71

AREA 4
TOTAL AREA - 515,222 SF
IMPERVIOUS AREA ALLOWED - 24% - 123,653 SF
IMPERVIOUS AREA ROADS - 31,843 SF
IMPERVIOUS AREA SIDEWALKS - 9,644 SF
IMPERVIOUS ALLOWED PER LOT - 4,695 SF
LOT NUMBERS: 41-55, 62-69

AREA 5
TOTAL AREA - 126,621 SF
IMPERVIOUS AREA ALLOWED - 24% - 30,389 SF
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IMPERVIOUS AREA SIDEWALKS - 1,015 SF
IMPERVIOUS ALLOWED PER LOT - 4,910 SF
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AREA 6
TOTAL AREA - 85,034 SF
IMPERVIOUS AREA ALLOWED - 24% - 20,408 SF
IMPERVIOUS AREA ROADS - 0 SF
IMPERVIOUS AREA SIDEWALKS - 0 SF
IMPERVIOUS ALLOWED PER LOT - 10,204 SF
LOT NUMBERS: 60, 61



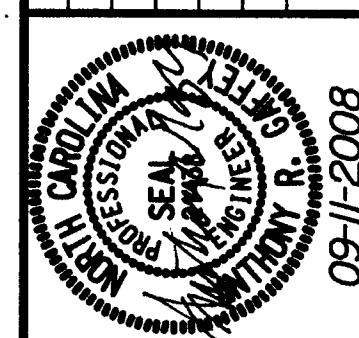
SAMUEL AND MATTIE CAPPS
PARCEL ID: 270807
DEED 0346-051

0 30 60 120
GRAPHIC SCALE
SCALE: 1" = 60'

MATCHLINE SHEET 6

KEY MAP N.T.S.

DATE: 05-06-2008
TECHNICIAN: MRL
CHECKED BY: ANL
SCALE: 1" = 60'
PROJECT NO: 0801
DRAWING TITLE: SITE PLAN 2
SHEET NO. 5 of 32



NO.	DATE	REVISIONS
1	05-16-08	ADDED COMMENTS
2	07-28-08	ADDED COMMENTS
3	08-11-08	ADDED COMMENTS

CLIENT
CAMBRIA
CHARLOTTE HOLDINGS, LLC
23 Oakland Park Boulevard
Pleasant Ridge, MI 48069

TASK
SITE PLAN 2

INSITE
Engineering & Surveying
8041 Corporate Center Drive
Suite 200
Charlotte, NC 28226
Phone: (704) 540-4706
Fax: (704) 540-4708

MATCHLINE SHEET 5

3

KEY MAP N.T.S.

RHEIN PAUSADES LLC
PARCEL ID# 2733001
DEED 14573-284
PLAT 133-605

LOT#	SWPE	LOT#	SWPE
1	655.90	29	624.23
2	655.90	30	631.73
7	643.65	31	638.01
8	643.65	32	645.72
9	636.53	33	647.11
10	633.16	34	647.11
11	633.09	35	645.72
12	633.38	36	638.01
16	611.83	37	631.73
17	615.68	38	624.23
18	619.92	51	613.58
19	621.86	52	613.58
20	625.61	59	600.63
21	625.61	60	603.91
22	625.61	61	606.25
25	618.17	64	620.25
26	615.68	65	626.40
27	613.59	66	631.24
28	610.25		

SWPE: STORM WATER PROTECTION ELEVATION

AREA 1
TOTAL AREA - 62757 SF
IMPERVIOUS AREA ALLOWED - 24% - 15,682 SF
IMPERVIOUS AREA ROADS - 0 SF
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IMPERVIOUS ALLOWED PER LOT - 7,841 SF
LOT NUMBERS: 13,14

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IMPERVIOUS AREA ALLOWED - 24% - 198,245 SF
IMPERVIOUS AREA ROADS - 60,203 SF
IMPERVIOUS AREA SIDEWALKS - 15,449 SF
IMPERVIOUS ALLOWED PER LOT - 5,343 SF
LOT NUMBERS: 412,15-28

AREA 3
TOTAL AREA - 644,221 SF
IMPERVIOUS AREA ALLOWED - 24% - 154,613 SF
IMPERVIOUS AREA ROADS - 44,446 SF
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IMPERVIOUS ALLOWED PER LOT - 4,319 SF
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AREA 4
TOTAL AREA - 515,222 SF
IMPERVIOUS AREA ALLOWED - 24% - 123,653 SF
IMPERVIOUS AREA ROADS - 31,843 SF
IMPERVIOUS AREA SIDEWALKS - 9,644 SF
IMPERVIOUS ALLOWED PER LOT - 4,695 SF
LOT NUMBERS: 47-55,62-69

AREA 5
TOTAL AREA - 126,621 SF
IMPERVIOUS AREA ALLOWED - 24% - 30,389 SF
IMPERVIOUS AREA ROADS - 9,736 SF
IMPERVIOUS AREA SIDEWALKS - 1,015 SF
IMPERVIOUS ALLOWED PER LOT - 4,910 SF
LOT NUMBERS: 56-59

AREA 6
TOTAL AREA - 85,034 SF
IMPERVIOUS AREA ALLOWED - 24% - 20,408 SF
IMPERVIOUS AREA ROADS - 0 SF
IMPERVIOUS AREA SIDEWALKS - 0 SF
IMPERVIOUS ALLOWED PER LOT - 10,204 SF
LOT NUMBERS: 60,61

TRIBUTARY 1

CROSS SECTION	Q (cfs)	100-YR WSEL	100 + 1 ELEV
1A-1125	453	632.38	633.38
1A-1065	453	632.02	633.02
1B-1577	143	642.65	643.65
1B-1500	143	641.15	642.15
1B-1396	143	638.91	639.91
1B-1300	143	635.53	636.53
1B-1200	143	632.16	633.16
1B-1100	143	632.09	633.09
1-2096	453	631.55	632.55
1-1988	Culvert		
1-1877	502	624.61	625.61
1-1799	502	622.65	623.65
1-1703	502	620.86	621.86
1-1600	502	618.92	619.92
1-1501	502	617.17	618.17
1-1404	502	614.68	615.68
1-1296	502	612.59	613.59
1-1200	502	610.83	611.83
1-1103	502	609.25	610.25
1-1000	502	607.64	608.64

TRIBUTARY 2

CROSS SECTION	Q (cfs)	100-YR WSEL	100 + 1 ELEV
2-2046	61	654.90	655.90
2-1947	61	651.53	652.53
2-1877	61	651.54	652.54
2-1817	Culvert		
2-1748	102	646.11	647.11
2-1696	102	644.72	645.72
2-1597	102	637.01	638.01
2-1500	102	630.73	631.73
2-1395	102	626.14	627.14
2-1302	102	623.23	624.23
2-1202	102	616.05	617.05
2-1102	102	612.20	613.20
2-1000	102	605.94	606.94

TREE SAVE AREAS

0 30 60 120
GRAPHIC SCALE
SCALE: 1" = 60'

DATE: 03-05-2008

TECHNICIAN: MSJ

CHECKED BY: ANG

SCALE: 1" = 60'

PROJECT NO. 08001

DRAWING TITLE: SHEET NO. 6 OF 32

09-11-2008

REVISIONS

NO.	DATE	REMARKS
1	05-16-08	ADDRESSED COMMENTS
2	07-22-08	ADDRESSED COMMENTS
3	08-14-08	ADDRESSED COMMENTS

CLIENT

CAMBRIA

CHARLOTTE HOLDINGS, LLC

23 Oakland Park Boulevard
Pleasant Ridge, MI 48069

TASK

SITE PLAN 3

INSITE

Engineering & Surveying

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