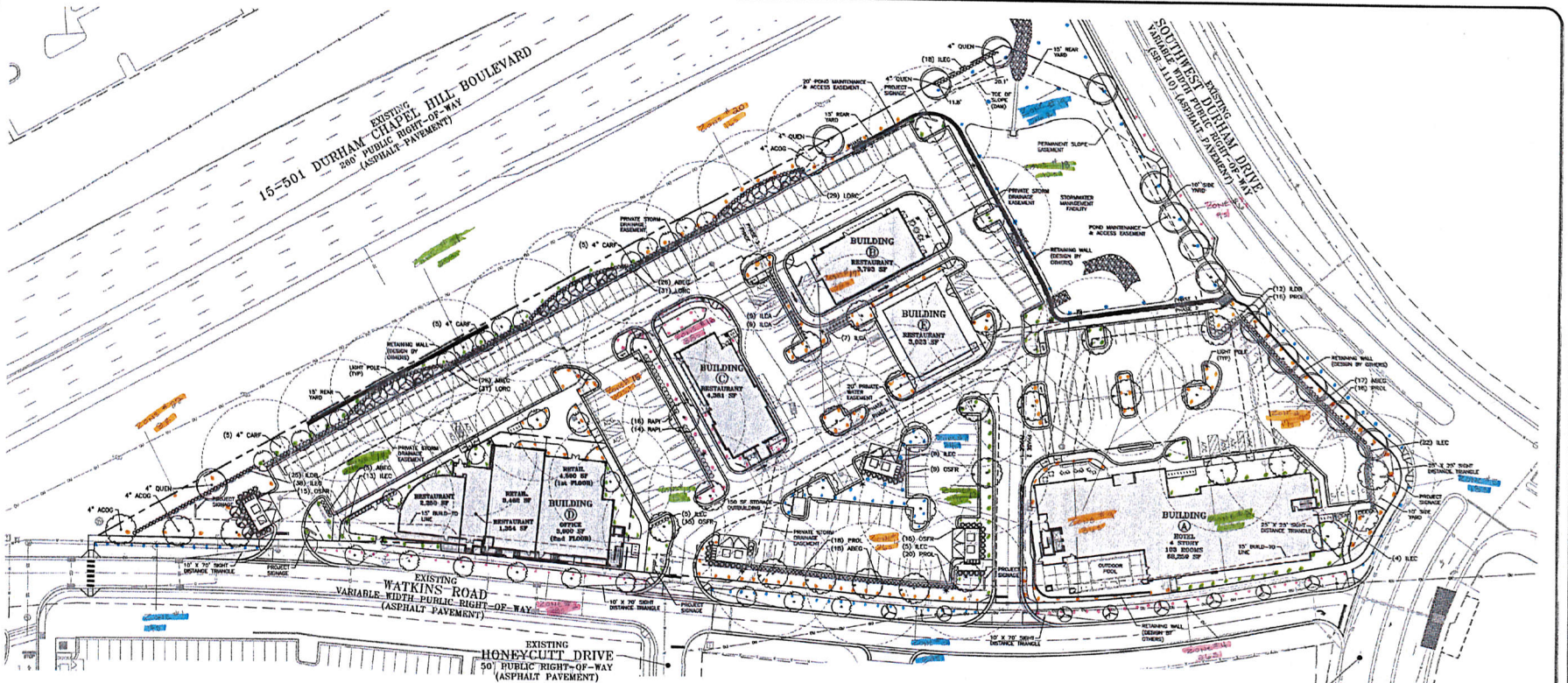


PLANT SCHEDULE

TREES (MIN # OF SPECIES = 4, MAX. % OF ANY SPECIES = 40% (44 TREES))

KEY	QUANTITY	COMMON NAME	BOTANICAL NAME	SIZE	SPACING/REM
CER	9	Eastern Redbud	Cercis canadensis 'Forest Pansy'	1" Cal., 8' Hgt.	EU (US 15-5
MALG	15	Little Gem Magnolia	Magnolia grandiflora 'Little Gem'	6' Hgt.	EU (US 15-5
CAR	14	Upright Hornbeam	Carpinus betulus 'Fastigiata'	3-1/2" Cal. 4" Cal.	CT, Street/Va
QUEN	15 4	Nuttall Oak	Quercus nuttalli	3-1/2" Col. 4" Col.	CT, Street/Va
ZEDV	26	Green Vase Zelkova	Zelkova serrata 'Green Vase'	3-1/2" Col.	CT, Street/Va
ACOC	3	October Glory Red Maple	Acer Rubrum 'October Glory'	3-1/2" Col. 4" Col.	CT, Street/Va
LAGM	7	Muskogee Crape Myrtle	Lagerstroemia Indica 'Muskogee'	3-1/2" Col. Single Stem	EU, Street (U

SHRUBS (MIN # OF SPECIES = 9, MAX. % OF ANY SPECIES = 20% (102 SHRUBS))

KEY	QUANTITY	COMMON NAME	BOTANICAL NAME	SIZE	SPACING/REM
ILCD	57	Dwarf Burford Holly	Ilex cornuta 'Dwarf Burford'	18" Hgt.	VUA/Hedge (
ABRG	92	Glossy Abelia	Abelia x grandiflora 'Edward Goucher'	18" Hgt.	VUA/Hedge (
LORC	61	Purple Diamond Loropetalum	Loropetalum chinense var. 'Purple Diamond'	18" Hgt.	VUA/Hedge (
RAPI	30	Indian Hawthorn	Rhaphiolepis Indica	15" Hgt.	VUA
ILEC	57	Japanese Holly	Ilex crenata 'Compacta'	15" Hgt.	VUA
OSFR	54	Fragrant Tea olive	Osmanthus fragrans	24" Hgt.	Screening
PROL	70	Otto Luyken Cherrylaurel	Prunus laurocerasus 'Otto Luyken'	15" Hgt.	VUA
ILCO	56	Inkberry	Ilex glabra 'Nigra'	18" Hgt.	Hedge (US 1
ILCA	25	Carissa Holly	Ilex cornuta 'Carissa'	15" Hgt.	VUA

Zone Ledger:

1- 14- Hunter Sprays	15- Hunter Sprays
2- 28- Hunter Sprays	24- Hunter Sprays
3- 23- Hunter Sprays	29- Hunter Sprays
4- 26- Hunter Sprays	30- Hunter Sprays
5- 18- Hunter Sprays	32- Hunter Sprays
6- 9- Hunter Sprays	12- Hunter Sprays
7- 17- Hunter Sprays	26- Hunter Rotors
8- 33- Hunter Sprays	16- Hunter Sprays
9- 36- Hunter Sprays	20- Hunter Sprays
10- 19- Hunter Sprays	8- Hunter Rotors
11- 24- Hunter Sprays	23. Hunter Drip
12- 26- Hunter Sprays	24. Hunter Drip

Equipment List:

1- Hunter I-Core w/ Solar Sync
22- Hunter 1 1/2" valves
2- Hunter 1" Drip valves
34- Hunter I-20 Rotors
450- Hunter Pro Sprays

LANDSCAPE CALCULAT

STREET TREES:

US 15-501:
CANOPY REQUIRED:
CANOPY PROVIDED:

UNDERSTORY REQUIRED: 21 (50% EQ.)
EQ. UNDERSTORY PROVIDED: 9
EQ. UNDERSTORY PROVIDED: 12

SHRUBS REQUIRED: 224 (HEDGE 80% OF FRONTAGE, 36" O.C.)
SHRUBS PROVIDED: 224

SOUTHWEST DURHAM DRIVE: 450' LF.
TREES REQUIRED: 13
TREES PROVIDED: 13

WITHERSPOON BOULEVARD: 79' LF.
TREES REQUIRED: 2
TREES PROVIDED: 2

NATIONS ROAD: 1,031' LF.
TREES REQUIRED: 26
TREES PROVIDED: 26

LANDSCAPING WITHIN VEHICULAR USE AREA

VEHICLE USE AREA: 113,822 SF
TREES REQUIRED: 57
TREES PROVIDED: 57

SHRUBS REQUIRED: 456
SHRUBS PROVIDED: 456

SHRUBS REQUIRED: 108 (10' O.C.)
SHRUBS PROVIDED: 108 (18" Hgt.)

SOUTHWEST DURHAM DRIVE: 181 LF
TREES REQUIRED: 5
TREES PROVIDED: 6

SHRUBS REQUIRED: 61
SHRUBS PROVIDED: 61

WITHERSPOON BOULEVARD: 78 LF
TREES REQUIRED: 2
TREES PROVIDED: 2

SHRUBS REQUIRED: 28
SHRUBS PROVIDED: 28

WATKINS ROAD: 267 LF
TREES REQUIRED: 7
TREES PROVIDED: 7

SHRUBS REQUIRED: 89
SHRUBS PROVIDED: 89

TREE SYMBOL LEGEND

ACOC October Glory Red Maple
QUEN Nuttall Oak
ZEDV Green Vase Zelkova
CAR Upright Hornbeam
CERC Eastern Redbud
LAGM Muskogee Crape Myrtle
MALG Little Gem Magnolia

TYPICAL UTILITY PLANTING DETAIL
NOT TO SCALE

GRAPHIC SCALE
1 inch = 40 ft.

TREE INSTALLATION DETAIL
NOT TO SCALE

SHRUB INSTALLATION DETAIL
NOT TO SCALE

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

PLANS PROVIDED BY LANDSCAPE CONTRACTOR

THE JOHN R. McADAMS COMPANY, INC.
ENGINEERS • PLANNERS • SURVEYORS • ENVIRONMENTAL
RESEARCH TRIANGLE PARK • CHARLOTTE
2905 Meridian Parkway, Durham, NC 27713
919-361-5000 • www.mcadamsco.com • License No. C-0293
NORTH CAROLINA 2155 ROBERT C. ZOMPA
REVISIONS:
OWNER/DEVELOPER:
MIM GATEWAY TERRACE RE LLC
9204 FALLS OF NEUSE ROAD, SUITE 200
RALEIGH, NC 27615

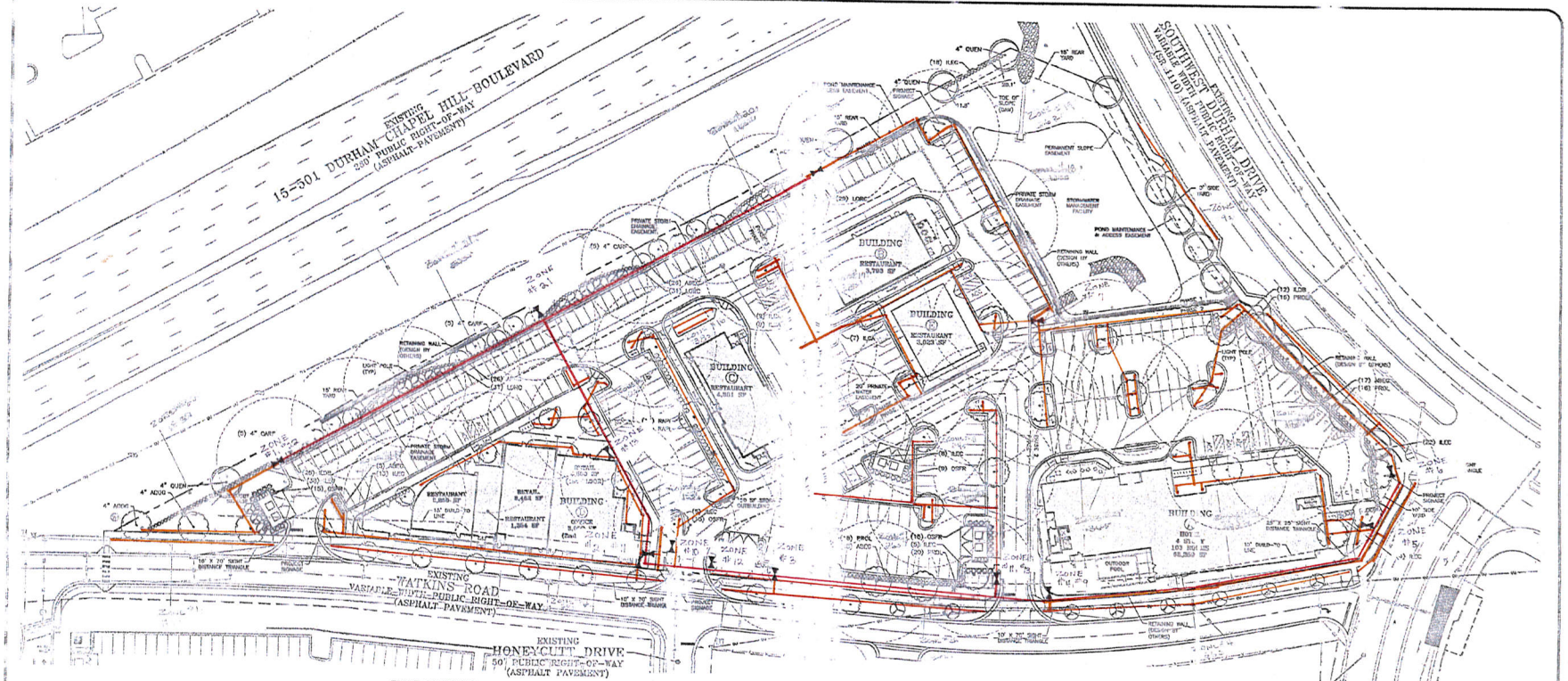
GATEWAY TERRACE

WATKINS ROAD
DURHAM, NORTH CAROLINA

LANDSCAPE PLAN

PROJECT NO.	MRE-11020
FILENAME	MRE11020-LS1
DESIGNED BY	RCZ
DRAWN BY	RLU
SCALE	1"=40'
DATE	08-06-13
SHEET NO.	LS-1

McADAMS



PLANT SCHEDULE

TREES: (MAX. % OF SPECIES = 4, MAX. % OF ANY SPECIES = 40% (EA. TREES))

KEY	QUANTITY	BOTANICAL NAME	SIZE
ACCU	7	Quercus shumardii `Texas Red`	1" Cal., 8' Ht.
ACRU	15	Acer rubrum `October Glory`	10' Ht.
CAVI	15	Lagerstroemia indica `Natchez`	3-1/2" Cal.
CEOC	15	Cercis canadensis `Forest Pansy`	4" Cal.
LITU	10	Liriodendron tulipifera `Little Gem`	3-1/2" Cal.
NYSY	20	Nyssa sylvatica `Wildfire`	4" Cal.
QUNU	10	Quercus nuttallii	3-1/2" Cal.
ZESE	20	Zelkova serrata `Green Vase`	3-1/2" Cal.

SHRUBS: (MAX. % OF SPECIES = 8, MAX. % OF ANY SPECIES = 20% (10F SHRUBS))

KEY	QUANTITY	BOTANICAL NAME	SIZE
ILDS	37	Ilex x attenuata `Sweet Shepherd`	18" Ht.
ILGL	60	Ilex glabra `Shamrock`	18" Ht.
LAIN	91	Lagerstroemia indica x fauriei `Natchez`	18" Ht.
LIMU	20	Liriope muscari `Variegata`	1 Gal.
MUEC	52	Muhlenbergia capillaris	1 Gal.
OSFR	54	Osmanthus fragrans	24" Ht.
PIVI	76	Pittosporum tobira `Wheeler's Dwarf`	18" Ht.
PRLA	20	Prunus laurocerasus `Otto Luyken`	18" Ht.
RHIN	20	Rhaphiolepis indica	18" Ht.
VIOD	20	Viburnum odoratissimum `Awabuki`	24" Ht.

Zone Ledger:

1, 14- Hunter Sprays	10, 15- Hunter Sprays
2, 28- Hunter Sprays	12, 24- Hunter Sprays
3, 23- Hunter Sprays	13, 20- Hunter Sprays
4, 25- Hunter Sprays	16, 38- Hunter Sprays
5, 15- Hunter Sprays	17, 32- Hunter Sprays
6, 9- Hunter Sprays	18, 12- Hunter Sprays
27, 37- Hunter Sprays	29, 26- Hunter Rotors
33, 33- Hunter Sprays	30, 16- Hunter Sprays
31, 36- Hunter Sprays	32, 20- Hunter Sprays
34, 19- Hunter Sprays	22, 8- Hunter Rotors
11, 24- Hunter Sprays	23, Hunter Drip
35, 26- Hunter Sprays	24, Hunter Drip

Equipment List:

1- Hunter I-Core w/ Solar Sync
22- Hunter 1 ½" valves
2- Hunter 1" Drip Valves
34- Hunter I-20 Rotors
450- Hunter Pro Sprays

1½" PVC MAINLINE
1½" PVC LATERAL

TREE SYMBOL LEGEND

ACCU October Glory Red Maple
CAVI Natchez Crape Myrtle
CEOC Eastern Redbud
LITU Little Gem Magnolia
NYSY Wildfire Tupelo
QUNU Nuttall Oak
ZESE Green Vase Zelkova

TREE INSTALLATION DETAIL
NOT TO SCALE

SHRUB INSTALLATION DETAIL
NOT TO SCALE

UTILITY BOX
10' (TYP)
42" O.C.
SHRUBS
NOTES:
SCREEN ALL ABOVE GROUND UTILITIES VISIBLE FROM RIGHT-OF-WAY WITH OTTO LUYKEN CHERRY LAUREL (MIN 24" HEIGHT).

TYPICAL UTILITY PLANTING DETAIL
NOT TO SCALE

LANDSCAPE CALCULATIONS

STREET TREES:
US 15-501:
CANOPY REQUIRED:
CANOPY PROVIDED:

UNDERSTORY TREES:
DECIDUOUS UNDERSTORY:
EVERGREEN UNDERSTORY:

SHRUBS REQUIRED:
SHRUBS PROVIDED:

SOUTHWEST DURHAM DRIVE:
TREES REQUIRED:
TREES PROVIDED:

WITHERSPOON BOULEVARD:
TREES REQUIRED:
TREES PROVIDED:

WATKINS ROAD:
TREES REQUIRED:
TREES PROVIDED:

LANDSCAPING ALONG VEHICULAR USE AREA
VEHICULAR USE AREA:
TREES REQUIRED:
TREES PROVIDED:

SHRUBS REQUIRED:
SHRUBS PROVIDED:

	TOTAL LIN. FEET
SHRUBS REQUIRED:	168 (18" Ht.)
SHRUBS PROVIDED:	168 (18" Ht.)
SOUTHWEST DURHAM DRIVE:	181 LF
TREES REQUIRED:	5
TREES PROVIDED:	6
SHRUBS REQUIRED:	61
SHRUBS PROVIDED:	61
WITHERSPOON BOULEVARD:	78 LF
TREES REQUIRED:	2
TREES PROVIDED:	2
SHRUBS REQUIRED:	28
SHRUBS PROVIDED:	28
WATKINS ROAD:	257 LF
TREES REQUIRED:	7
TREES PROVIDED:	7
SHRUBS REQUIRED:	89
SHRUBS PROVIDED:	89

GRAPHIC SCALE
0 20 40 80
1 inch = 40 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

PLANS PROVIDED BY LANDSCAPE CONTRACTOR

THE JOHN R. McADAMS COMPANY, INC.
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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2155 ROBERT C. ZIMMERMAN

OWNER/DEVELOPER:
MJW GATEWAY TERRACE RE LLC
9604 FALLS OF NEUSE ROAD, SUITE 200
RALEIGH, NC 27615

GATEWAY TERRACE
WATKINS ROAD
DURHAM, NORTH CAROLINA
LANDSCAPE PLAN

PROJECT No. MDF-11020
PREVIOUS MDF11020-LS1
DESIGNED BY RCZ
DRAWN BY KLM
SCALE 1"=40'
DATE 02-06-13
SHEET No. LS-1

McADAMS