

CONTRACT #: D05025

STATE OF NORTH CAROLINA
ECOSYSTEM ENHANCEMENT PROGRAM

STATE	STATE CONSTRUCTION PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		1	10



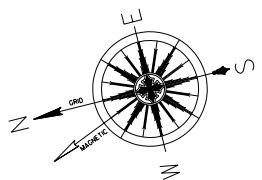
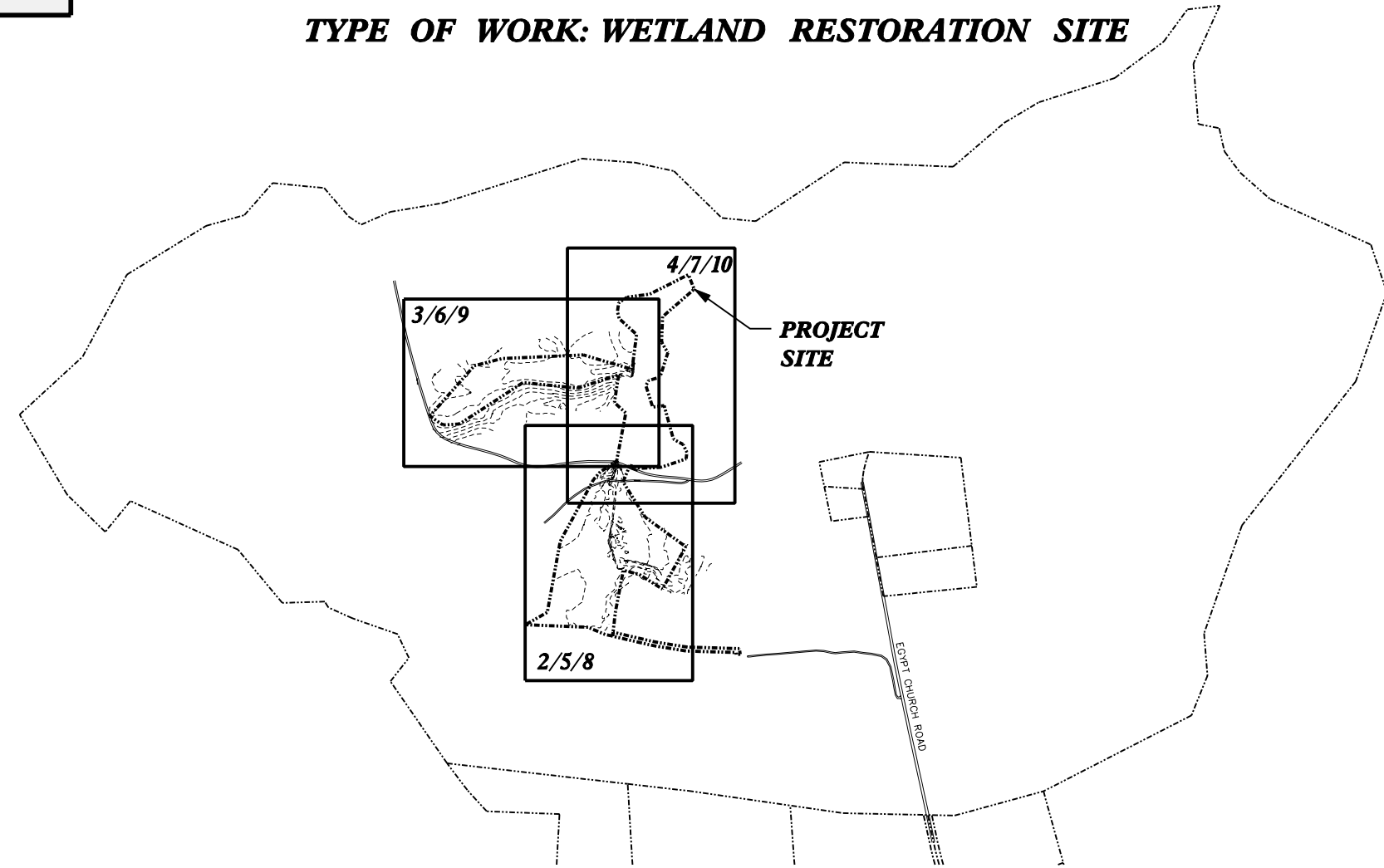
VICINITY MAP
NOT TO SCALE

FRANKLIN COUNTY

LOCATION: DANIELS FARM II
691 EGYPT CHURCH ROAD
LOUISBURG, NC 27549

TYPE OF WORK: WETLAND RESTORATION SITE

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			



INDEX OF SHEETS

- 1 TITLE SHEET
- 2,3,4 AS-BUILT SITE PLAN
- 5,6,7 MONITORING LOCATIONS
- 8,9,10 PLANTING PLAN

AS-BUILT PLAN

GRAPHIC SCALES



Prepared In the Office of:



JAMES W. BLAKE, PE
PROJECT ENGINEER

JOSEPH J. PFEIFFER, PWS
PROFESSIONAL WETLAND SCIENTIST

STEVEN F. STOKES, LSS
SOIL SCIENTIST

PROJECT ENGINEER:

SIGNATURE:

P.E.

PROFESSIONAL WETLAND SCIENTIST:

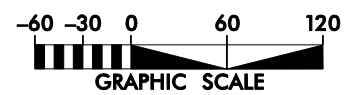
SIGNATURE:

P.W.S.

SOIL SCIENTIST:

SIGNATURE:

L.S.S.



TBM#3
N=842833.42
E=2214044.00
ELEV=186.45

GENERAL PLAN LEGEND			
	EXISTING EASEMENT LINE		DITCH PLUG
	5' CONTOUR LINES		FILLED DITCH
	1' CONTOUR LINES		CONSTRUCTED CONTOUR LINES
	UNFILLED DRAINAGE DITCH		WATER DIVERSION BERM
	FENCE LINE		SURVEY CONTROL POINT
	TREE LINE		CONSTRUCTED MICROTOPOGRAPHY
	VEGETATION MONITORING PLOT		MONITORING WELL
			PERMANENT PHOTO POINT

ROCK STRUCTURE INSTALLED TO FILTER AND SLOW DOWN WATER FROM WESTERN FIELD.

TBM#1
N=842643.03
E=2212895.65
ELEV=188.75

BERM INSTALLED TO HOLD WATER ON THE FIELD AND NOT WASH OUT DIRT PATH.

STREAM CHANNEL CREATED WITH STEP POOLS AND CROSS VANES TO DIRECT WATER TO CULVERT UNDER DIRT ROAD.

TBM#2
N=842085.15
E=2212787.92
ELEV=190.41

SYMBOL	DESCRIPTION	DATE	APPROVED

NO.	DATE	DESCRIPTION

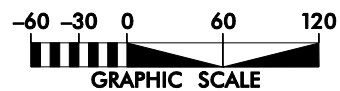


**DANIELS FARM II
WETLAND RESTORATION PROJECT**
LOUISBURG, FRANKLIN COUNTY, NORTH CAROLINA

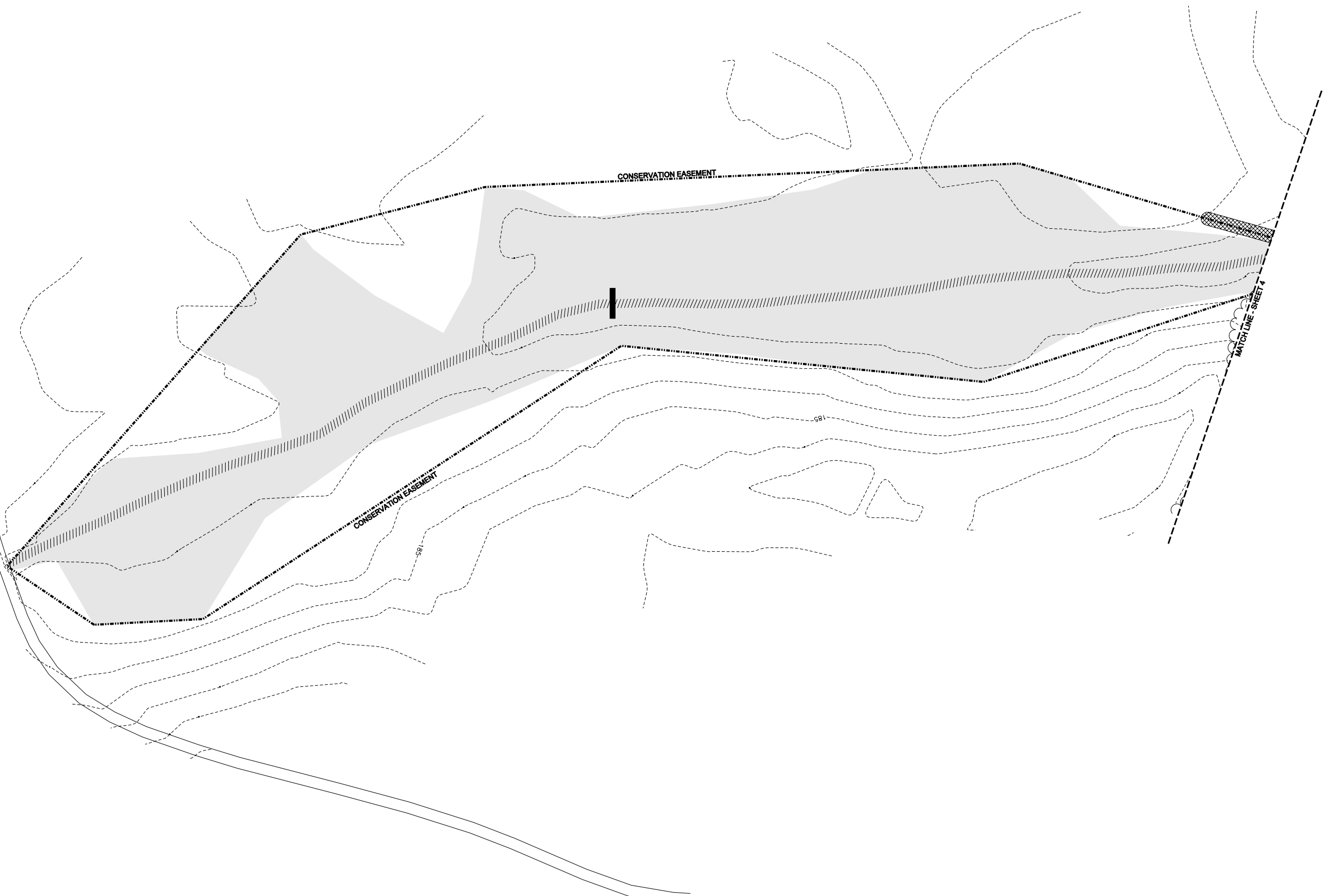
DATE: DEC. 2006
SCALE: 1"=80'

AS-BUILT
SITE
PLAN

SHEET 2 OF 10



GENERAL PLAN LEGEND			
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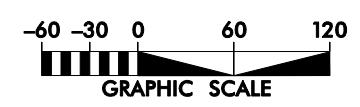
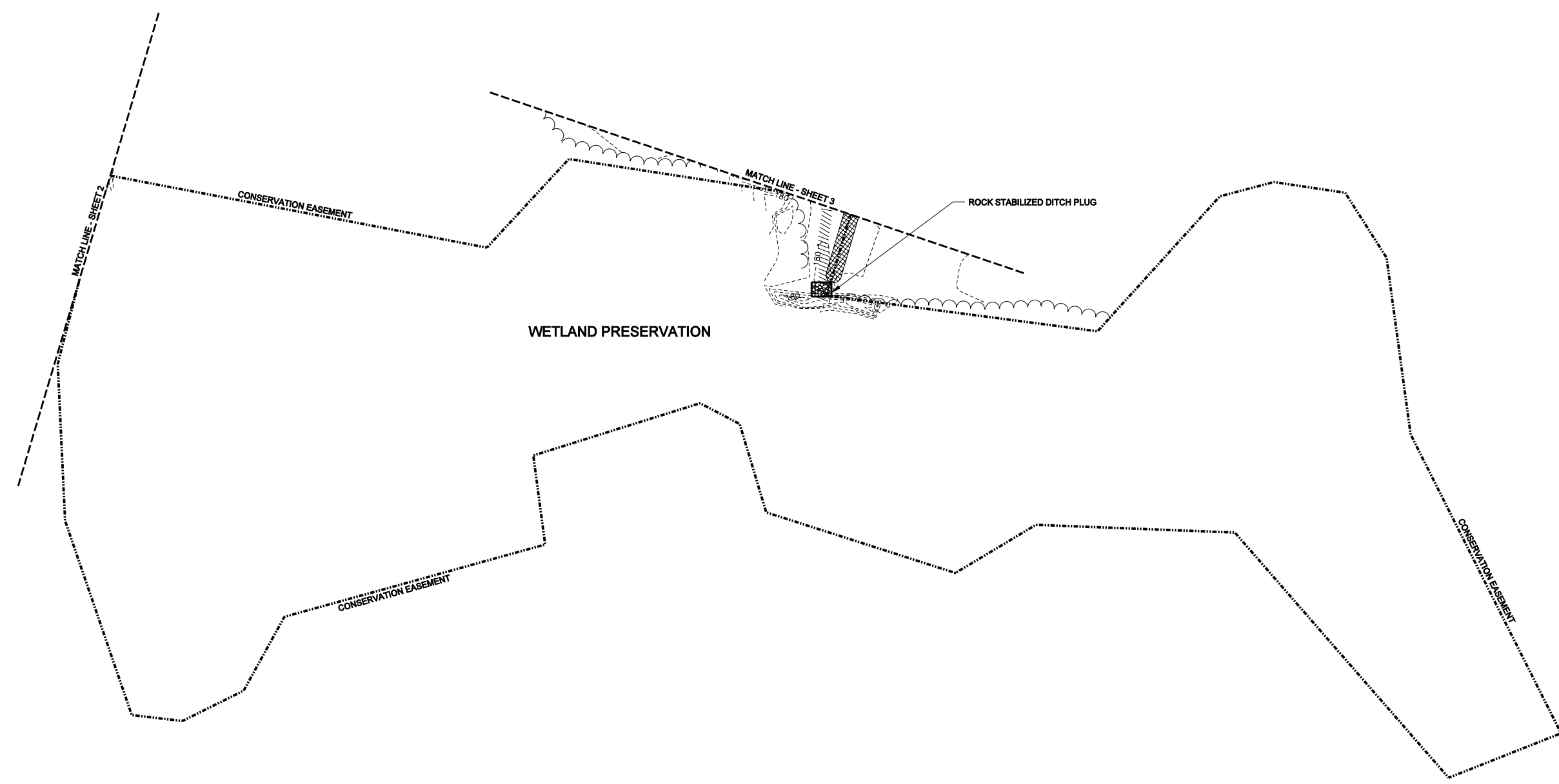
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460 SIX FORKS RD., RALEIGH, NC

**DANIELS FARM II
WETLAND RESTORATION PROJECT**
LOUISBURG, FRANKLIN COUNTY, NORTH CAROLINA

DATE: DEC. 2006
SCALE: 1"=80'
**AS-BUILT
SITE
PLAN**
SHEET 3 OF 10

GENERAL PLAN LEGEND			
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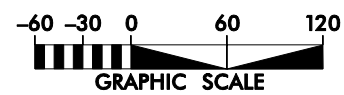
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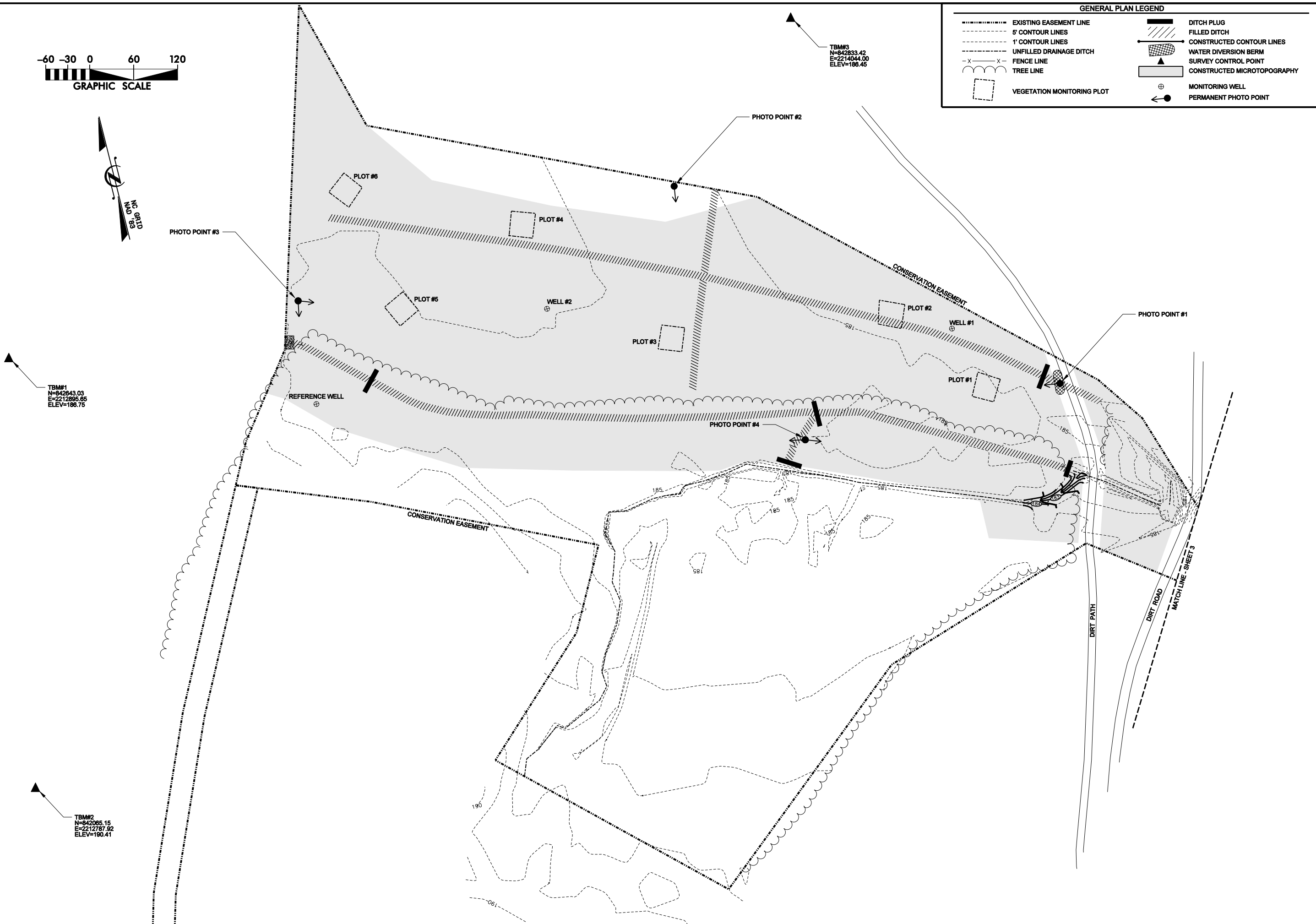
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**AS-BUILT
SITE
PLAN**
SHEET 4 OF 10



GENERAL PLAN LEGEND			
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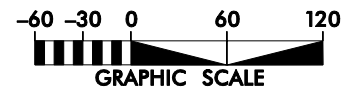
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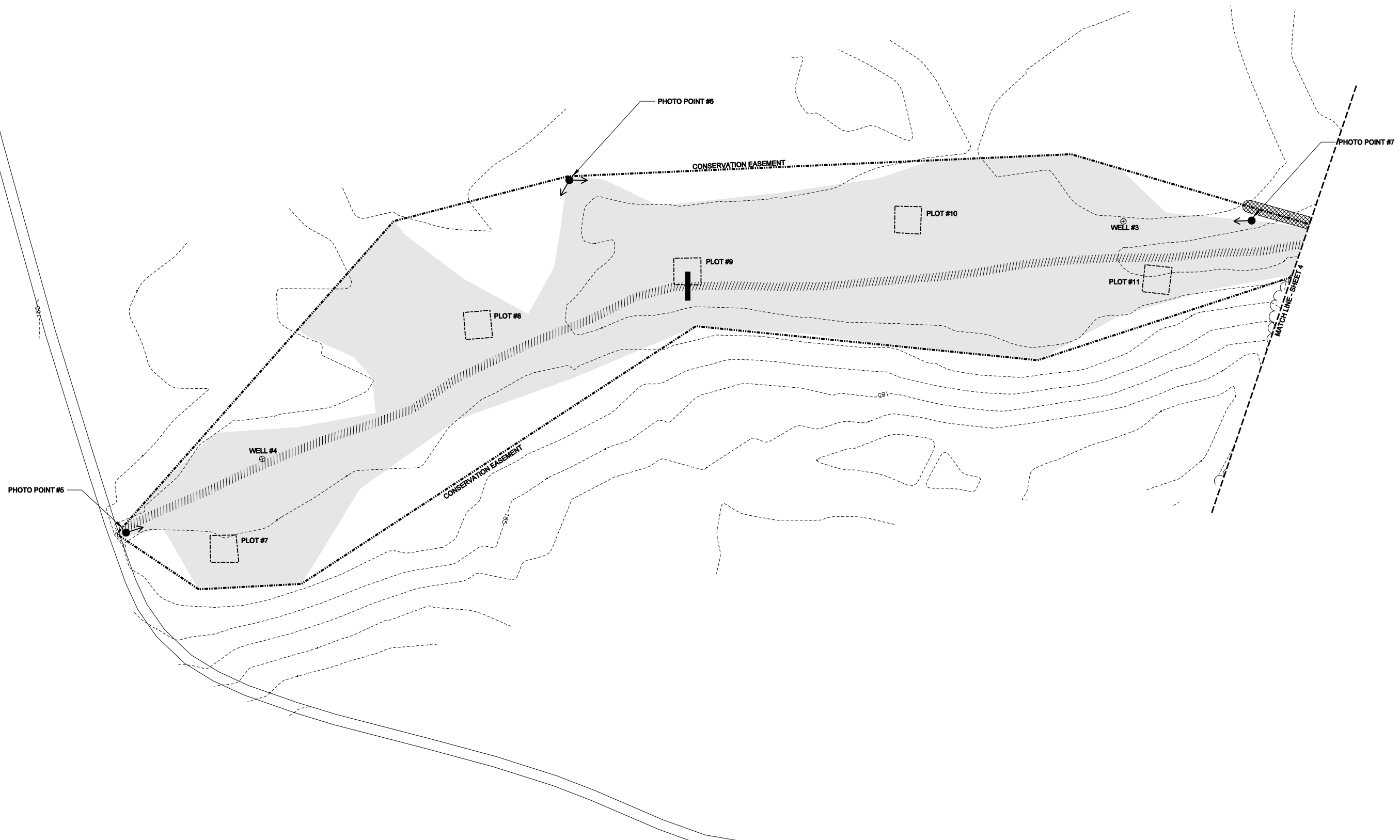
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WETLAND RESTORATION PROJECT**
LOUISBURG, FRANKLIN COUNTY, NORTH CAROLINA

DATE: DEC. 2006
SCALE: 1"=80'
MONITORING LOCATIONS
SHEET 5 OF 10



GENERAL PLAN LEGEND			
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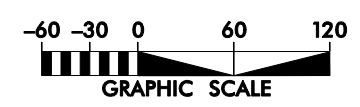
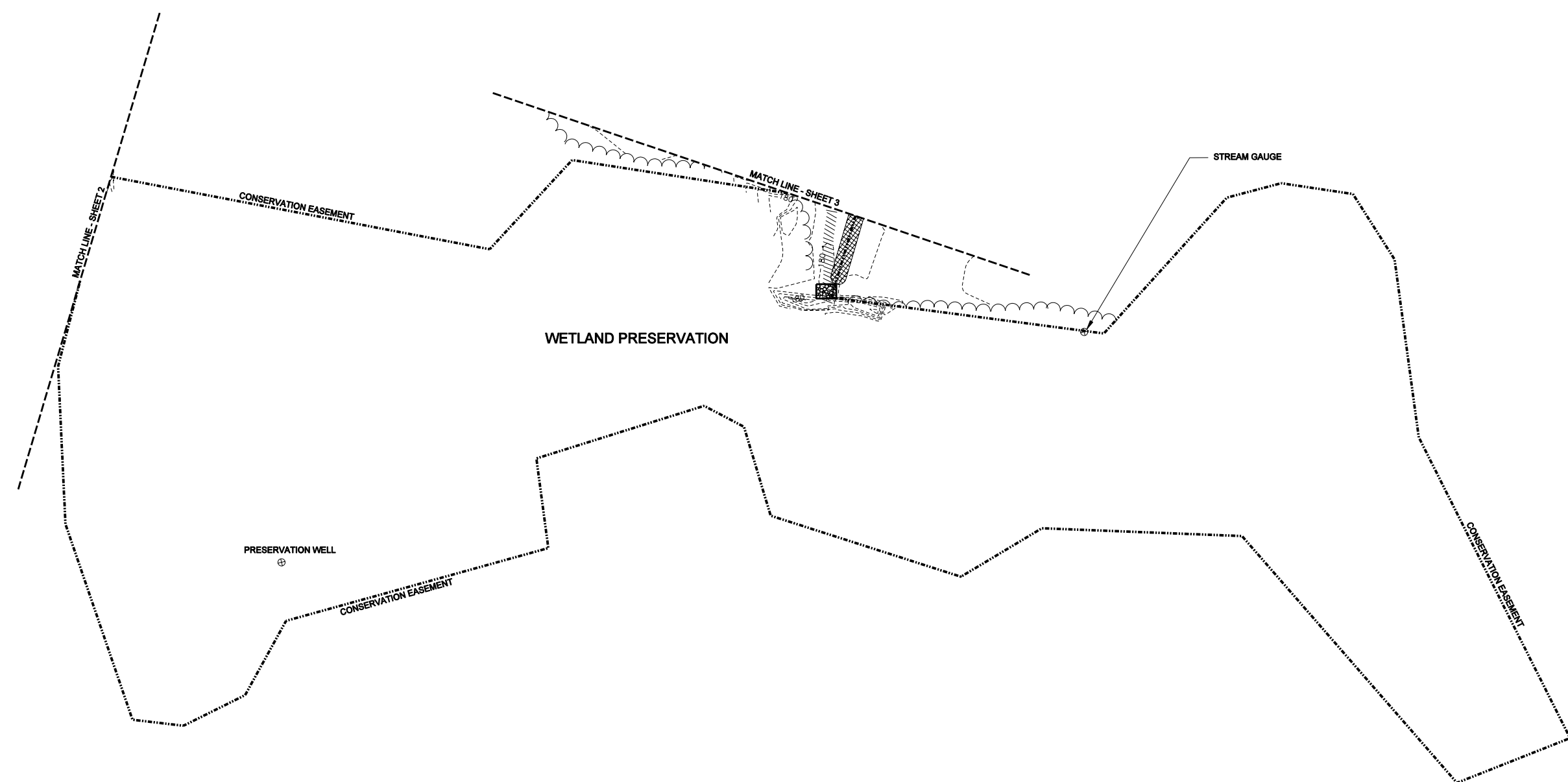
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LOUISBURG, FRANKLIN COUNTY, NORTH CAROLINA

DATE: DEC. 2006
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MONITORING LOCATIONS
SHEET 6 OF 10

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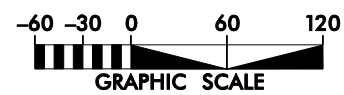
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DANIELS FARM II
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DATE: DEC. 2006
SCALE: 1"=80'

MONITORING LOCATIONS



PLANTING PLAN LEGEND

	RESTORATION ZONE A		ENHANCEMENT ZONE
	RESTORATION ZONE B		PRESERVATION (NO MODIFICATION)
	RESTORATION ZONE C	NR	NONRIVERINE WETLAND INCLUSIONS
		U	UPLAND INCLUSIONS

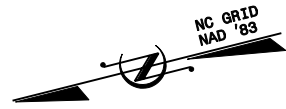
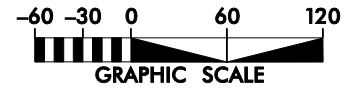


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NO.	DATE	DESCRIPTION

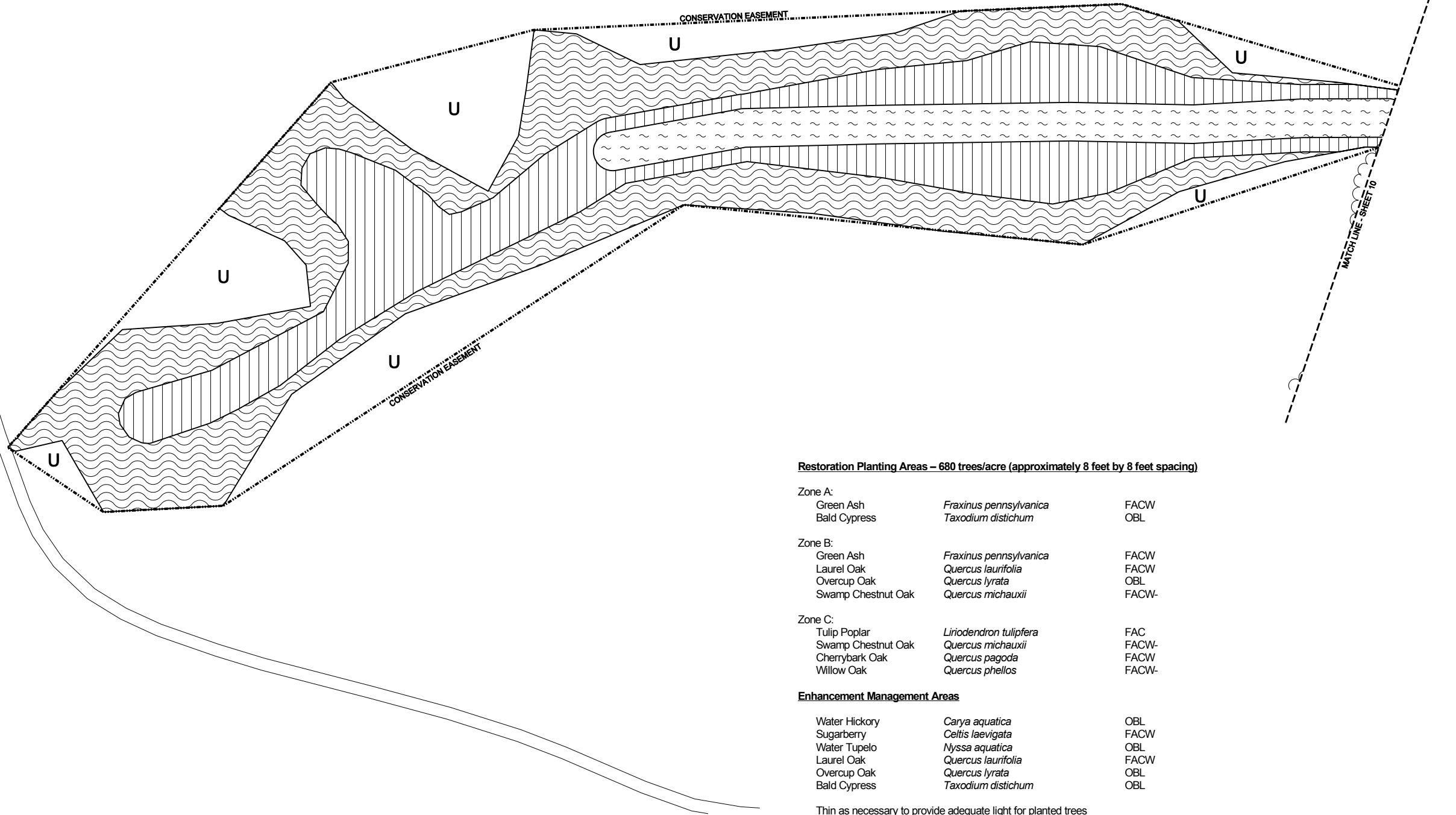
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PLANTING PLAN LEGEND

	RESTORATION ZONE A		ENHANCEMENT ZONE
	RESTORATION ZONE B		PRESERVATION (NO MODIFICATION)
	RESTORATION ZONE C	NR	NONRIVERINE WETLAND INCLUSIONS
		U	UPLAND INCLUSIONS



Restoration Planting Areas – 680 trees/acre (approximately 8 feet by 8 feet spacing)

Zone A:		
Green Ash	<i>Fraxinus pennsylvanica</i>	FACW
Bald Cypress	<i>Taxodium distichum</i>	OBL
Zone B:		
Green Ash	<i>Fraxinus pennsylvanica</i>	FACW
Laurel Oak	<i>Quercus laurifolia</i>	FACW
Overcup Oak	<i>Quercus lyrata</i>	OBL
Swamp Chestnut Oak	<i>Quercus michauxii</i>	FACW-
Zone C:		
Tulip Poplar	<i>Liriodendron tulipifera</i>	FAC
Swamp Chestnut Oak	<i>Quercus michauxii</i>	FACW-
Cherrybark Oak	<i>Quercus pagoda</i>	FACW
Willow Oak	<i>Quercus phellos</i>	FACW-

Enhancement Management Areas

Water Hickory	<i>Carya aquatica</i>	OBL
Sugarberry	<i>Celtis laevigata</i>	FACW
Water Tupelo	<i>Nyssa aquatica</i>	OBL
Laurel Oak	<i>Quercus laurifolia</i>	FACW
Overcup Oak	<i>Quercus lyrata</i>	OBL
Bald Cypress	<i>Taxodium distichum</i>	OBL

Thin as necessary to provide adequate light for planted trees

Red Maple	<i>Acer rubrum</i>	FAC
Green Ash	<i>Fraxinus pennsylvanica</i>	FACW
Sweetgum	<i>Liquidambar styraciflua</i>	FAC+
American Elm	<i>Ulmus Americana</i>	FACW
Invasive Species Control		
Chinese Privet	<i>Ligustrum sinense</i>	FAC

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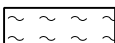
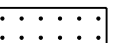
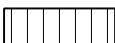

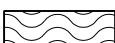
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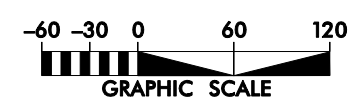
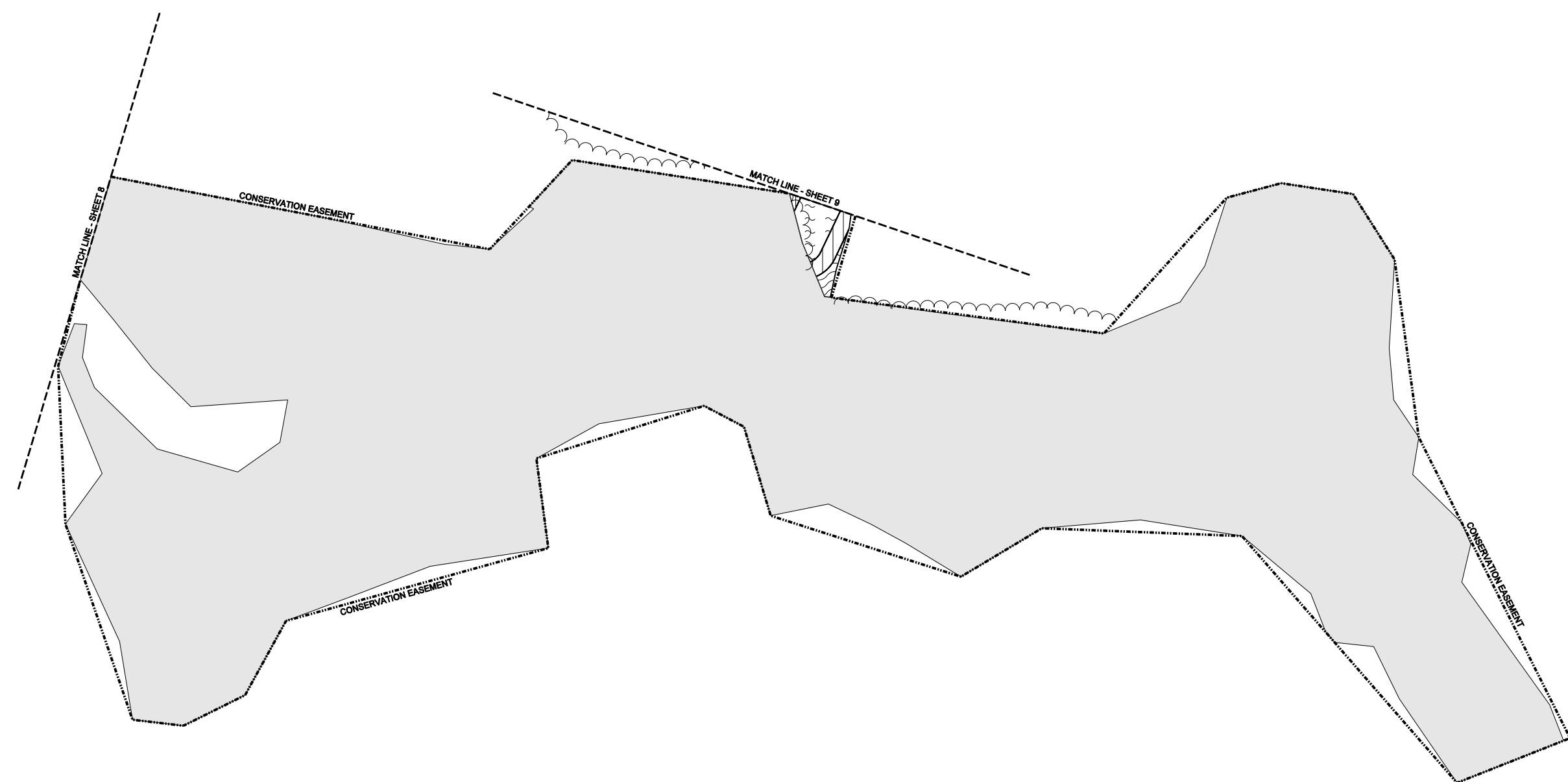
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DATE: DEC. 2008
SCALE: 1"=80'

PLANTING PLAN

PLANTING PLAN LEGEND

	RESTORATION ZONE A		ENHANCEMENT ZONE
	RESTORATION ZONE B		PRESERVATION (NO MODIFICATION)
	RESTORATION ZONE C	NR	NONRIVERINE WETLAND INCLUSIONS
		U	UPLAND INCLUSIONS



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PLANTING PLAN
SHEET 10 OF 10