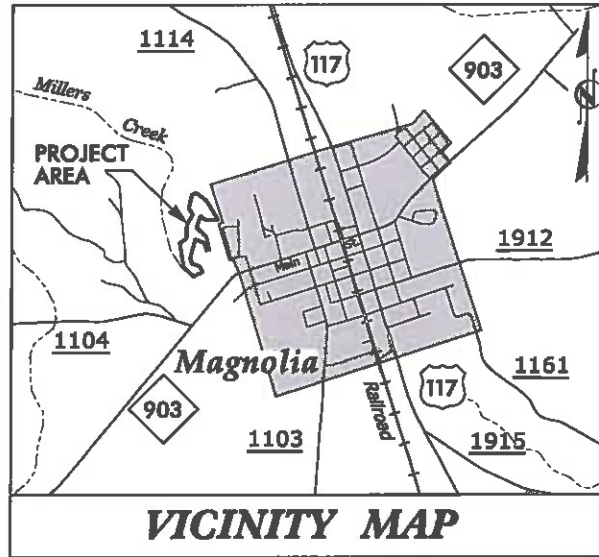


ASBUILT/BASELINE PLANS UT MILLERS CREEK

LOCATION: DUPLIN COUNTY, NORTH CAROLINA
 LAT: 34°53'48" N LONG: 78°04'04" W
 TYPE OF WORK: ASBUILT/BASELINE PLANS

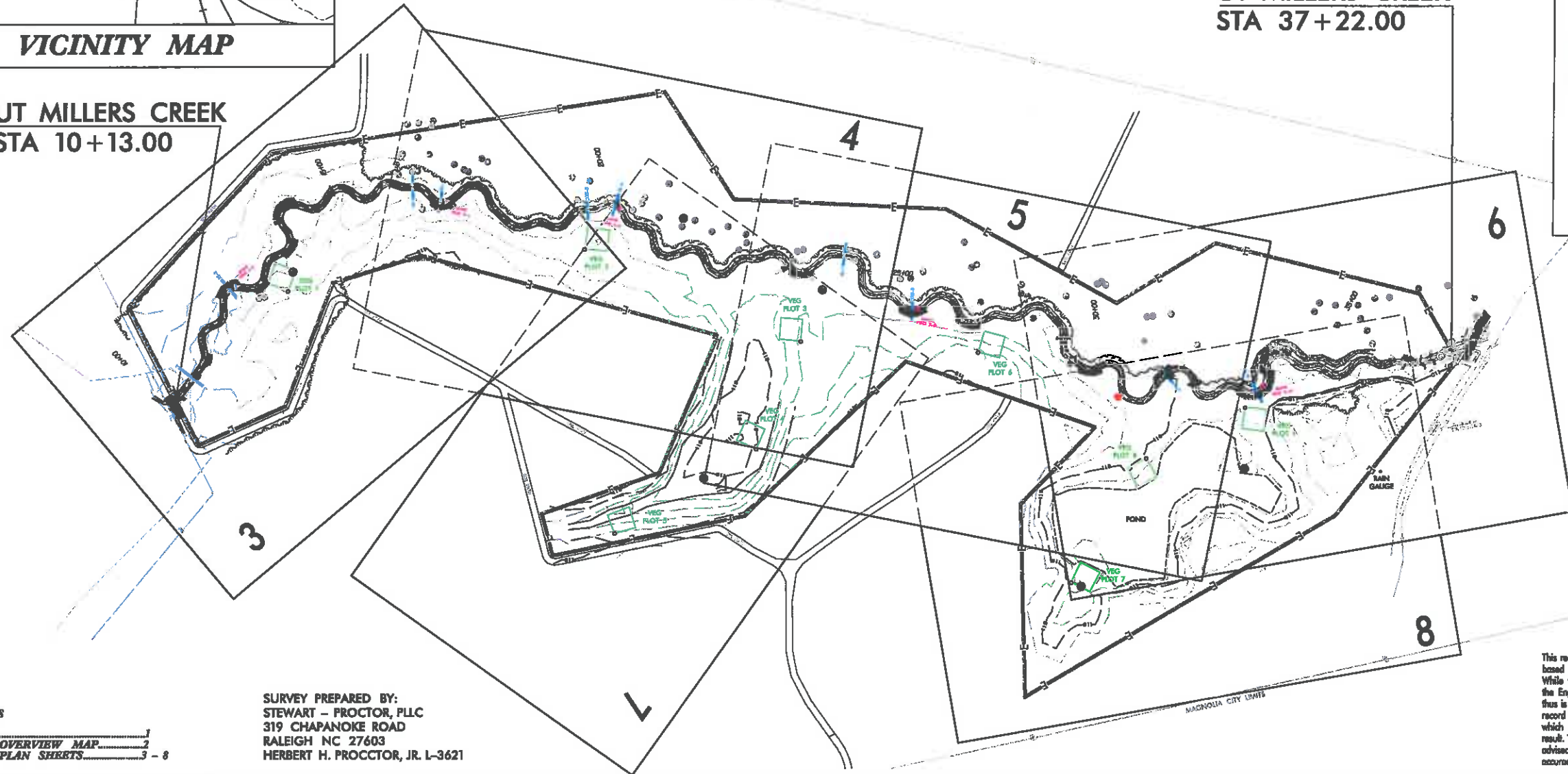
CONTRACT: UT MILLERS CREEK DMS PROJECT # 95719

NCDENR CONTRACT # 5000



UT MILLERS CREEK
STA 10+13.00

UT MILLERS CREEK
STA 37+22.00



LEGEND

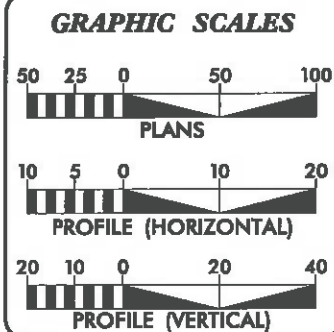
- CONSERVATION EASEMENT LINE
- THALWEG
- BANKFULL
- ASBUILT TOP OF TRAY
- ASBUILT TOE OF TRAY
- CROSS-SECTION LOCATIONS
- CONSTRUCTION REVISIONS
- LOG SILL
- 10M x 10M VEG PLOT
- VEG PLOT ORIGIN
- FLOODPLAIN INTERCEPTOR
- SOIL LIFT
- MONITORING WELL
- CREST GAUGE
- BANK PIN
- BRUSH TOE

INDEX OF SHEETS

TITLE SHEET	1
ASBUILT/BASELINE OVERVIEW MAP	2
ASBUILT/BASELINE PLAN SHEETS	3 - 8

SURVEY PREPARED BY:
 STEWART - PROCTOR, PLLC
 319 CHAPANOKE ROAD
 RALEIGH NC 27603
 HERBERT H. PROCTOR, JR. L-3621

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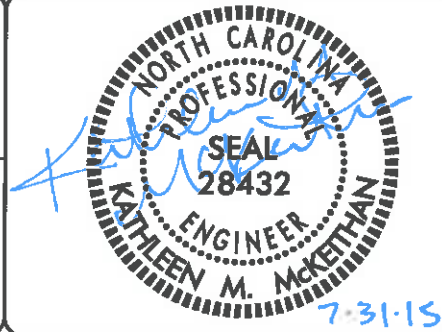
DESIGN DATA

DESIGN STREAM TYPE	=	E5
BANKFULL AREA (FT ²)	=	8.06
CROSS-SECTIONED		
BANKFULL WIDTH (FT)	=	8.8
MAX DEPTH (FT)	=	1.40
WIDTH /DEPTH RATIO	=	9.5
DRAINAGE AREA (M ²)	=	0.39
BANKFULL SLOPE(FV/FT)	=	0.0005

PROJECT LENGTH

EXISTING STREAM LENGTH	=	2,095 FT
PROPOSED DESIGN STREAM LENGTH	=	2,696 FT
ASBUILT STREAM LENGTH	=	2,709 FT

CHRISTOPHER L. SMITH
 PROJECT ENGINEER
 KATHLEEN M. McKEITHIAN
 PROJECT DESIGNER
 RYAN V. SMITH
 PROJECT MANAGER

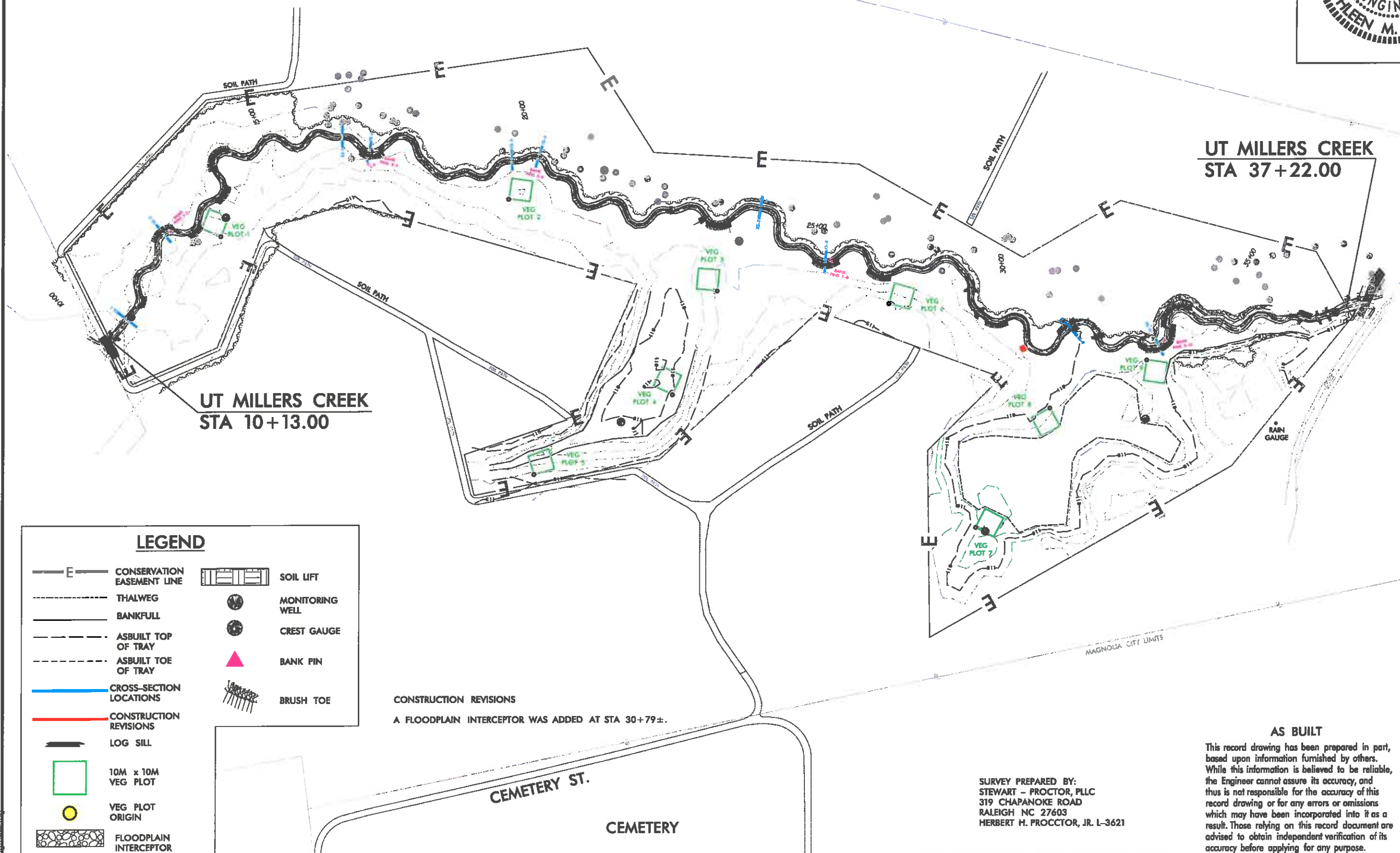
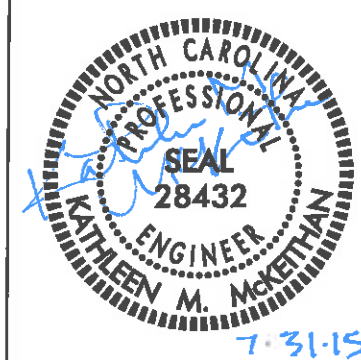


Prepared In the Office of:

ICA Engineering
 5121 Kingdom Way,
 Suite 100
 Raleigh, NC 27607
 NC License No: F-0258

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ASBUILT/BASELINE OVERVIEW MAP



UT MILLERS CREEK
STA 10+13.00

UT MILLERS CREEK
STA 37+22.00

LEGEND

	CONSERVATION EASEMENT LINE		SOIL LIFT
	THALWEG		MONITORING WELL
	BANKFULL		CREST GAUGE
	ASBUILT TOP OF TRAY		BANK PIN
	ASBUILT TOE OF TRAY		BRUSH TOE
	CROSS-SECTION LOCATIONS		
	CONSTRUCTION REVISIONS		
	LOG SILL		
	10M x 10M VEG PLOT		
	VEG PLOT ORIGIN		
	FLOODPLAIN INTERCEPTOR		

CONSTRUCTION REVISIONS
A FLOODPLAIN INTERCEPTOR WAS ADDED AT STA 30+79±.

CEMETERY ST.

CEMETERY

SURVEY PREPARED BY:
STEWART - PROCTOR, PLLC
319 CHAPANOKE ROAD
RALEIGH NC 27603
HERBERT H. PROCTOR, JR. L-3621

FOR ASBUILT/BASELINE PLANS SEE SHEETS 3 THRU 8

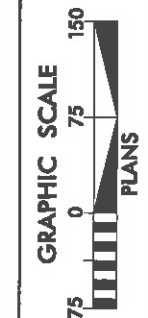
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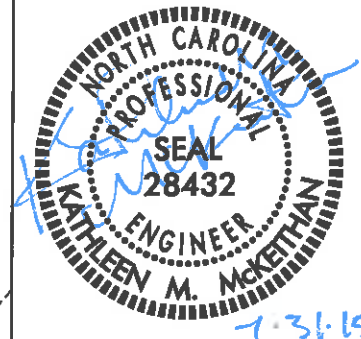
UT MILLERS CREEK
STREAM RESTORATION PROJECT
DUPLIN COUNTY, NORTH CAROLINA



DATE	07-31-15
ASBUILT/BASELINE OVERVIEW MAP	
SHEET	2
OF 8	

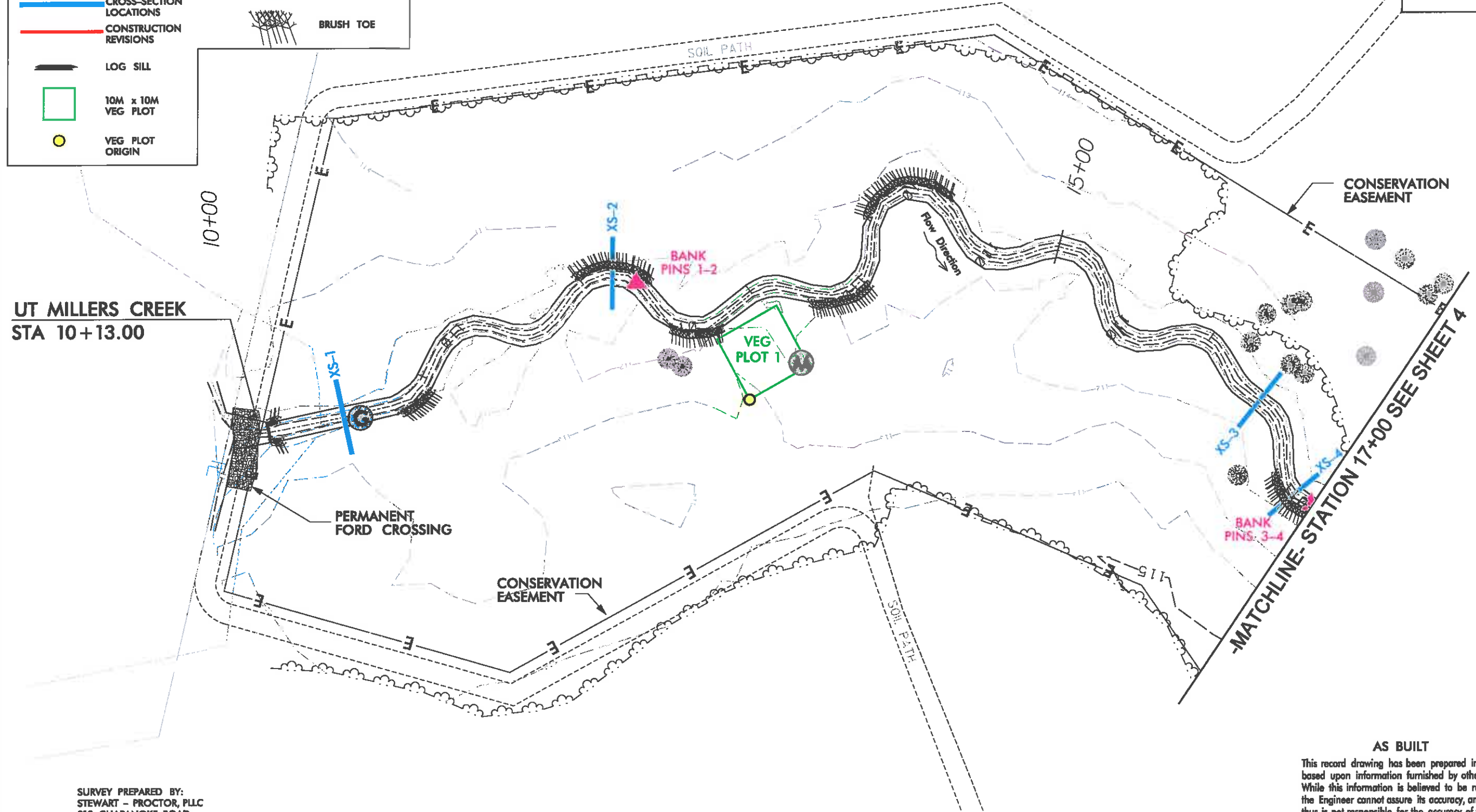
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ASBUILT/BASELINE PLAN



LEGEND

	CONSERVATION EASEMENT LINE		FLOODPLAIN INTERCEPTOR
	THALWEG		SOIL LIFT
	BANKFULL		MONITORING WELL
	ASBUILT TOP OF TRAY		CREST GAUGE
	ASBUILT TOE OF TRAY		BANK PIN
	CROSS-SECTION LOCATIONS		BRUSH TOE
	CONSTRUCTION REVISIONS		
	LOG SILL		
	10M x 10M VEG PLOT		
	VEG PLOT ORIGIN		



UT MILLERS CREEK
STA 10+13.00

-MATCHLINE- STATION 17+00 SEE SHEET 4

SURVEY PREPARED BY:
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RALEIGH NC 27603
HERBERT H. PROCTOR, JR. L-3621

FOR ASBUILT/BASELINE OVERVIEW MAP SEE SHEET 2
FOR ASBUILT/BASELINE PLANS SEE SHEETS 3 THRU 8

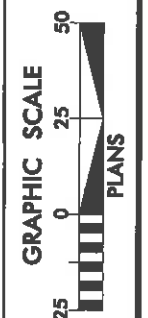
AS BUILT

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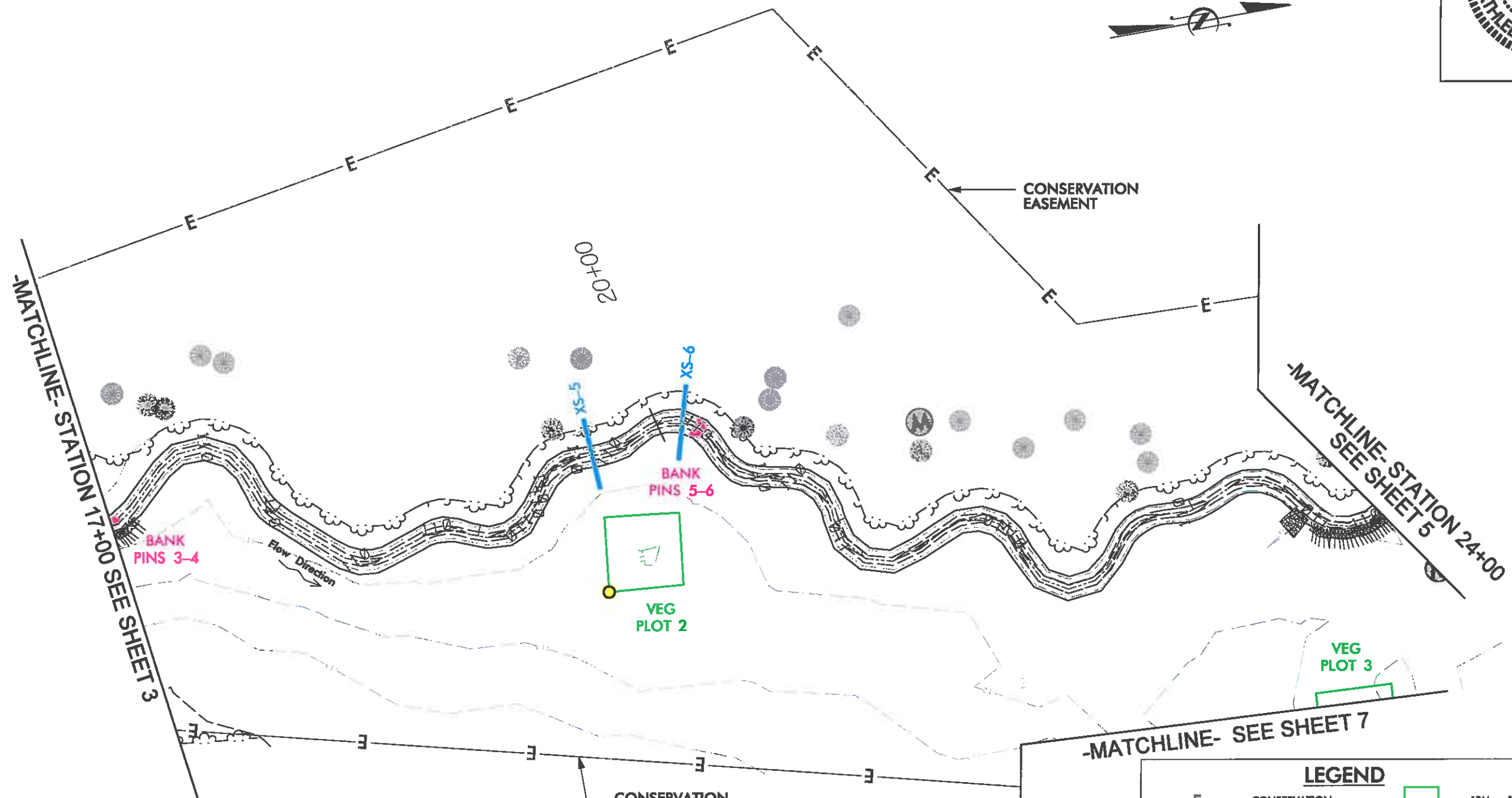
UT MILLERS CREEK
STREAM RESTORATION PROJECT
DUPLIN COUNTY, NORTH CAROLINA
STA 10+13 - STA 17+00



DATE:	07-31-15
ASBUILT/ BASELINE PLAN	
SHEET	3
OF 8	

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ASBUILT/BASELINE PLAN



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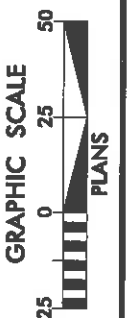
UT MILLERS CREEK
STREAM RESTORATION PROJECT
DUPLIN COUNTY, NORTH CAROLINA
STA 17+00 - STA 24+00

LEGEND	
	CONSERVATION EASEMENT LINE
	THALWEG
	BANKFULL
	ASBUILT TOP OF TRAY
	ASBUILT TOE OF TRAY
	CROSS-SECTION LOCATIONS
	CONSTRUCTION REVISIONS
	LOG SILL
	10M x 10M VEG PLOT
	VEG PLOT ORIGIN
	FLOODPLAIN INTERCEPTOR
	SOIL LIFT
	MONITORING WELL
	BANK PIN
	BRUSH TOE

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HERBERT H. PROCTOR, JR. L-3621

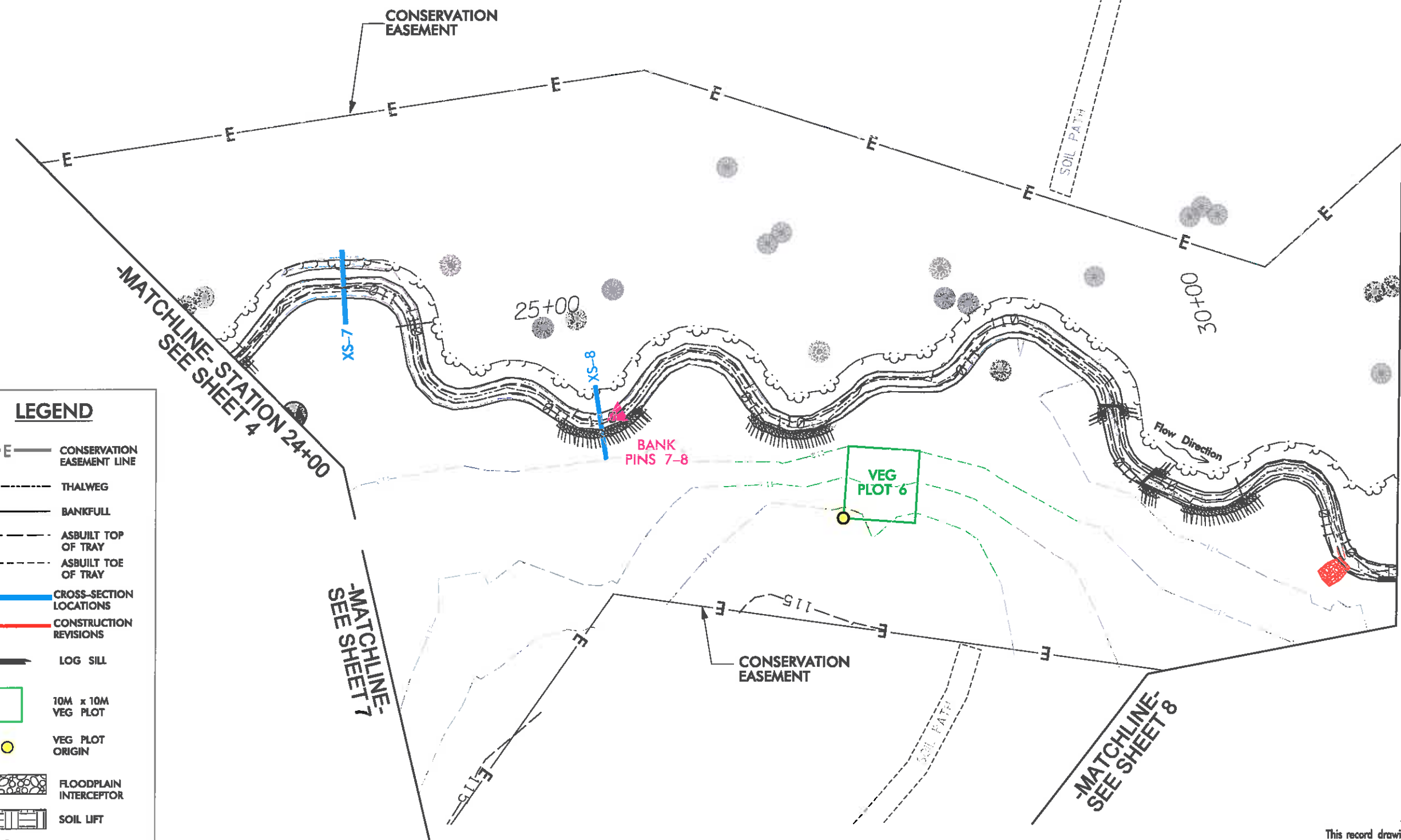
FOR ASBUILT/BASELINE OVERVIEW MAP SEE SHEET 2
FOR ASBUILT/BASELINE PLANS SEE SHEETS 3 THRU 8



DATE: 07-31-15
ASBUILT/
BASELINE
PLAN
SHEET
4
OF 8

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ASBUILT/BASELINE PLAN



LEGEND

- CONSERVATION EASEMENT LINE
- THALWEG
- BANKFULL
- ASBUILT TOP OF TRAY
- ASBUILT TOE OF TRAY
- CROSS-SECTION LOCATIONS
- CONSTRUCTION REVISIONS
- LOG SILL
- 10M x 10M VEG PLOT
- VEG PLOT ORIGIN
- FLOODPLAIN INTERCEPTOR
- SOIL LIFT
- MONITORING WELL
- BANK PIN
- BRUSH TOE

CONSTRUCTION REVISIONS
 A FLOODPLAIN INTERCEPTOR WAS ADDED AT STA 30+79±.

SURVEY PREPARED BY:
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 RALEIGH NC 27603
 HERBERT H. PROCTOR, JR. L-3621

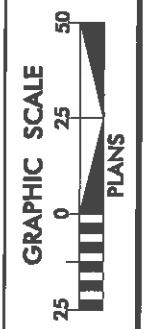
FOR ASBUILT/BASELINE OVERVIEW MAP SEE SHEET 2
 FOR ASBUILT/BASELINE PLANS SEE SHEETS 3 THRU 8

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UT MILLERS CREEK
 STREAM RESTORATION PROJECT
 DUPLIN COUNTY, NORTH CAROLINA
 STA 24+00 - STA 31+00



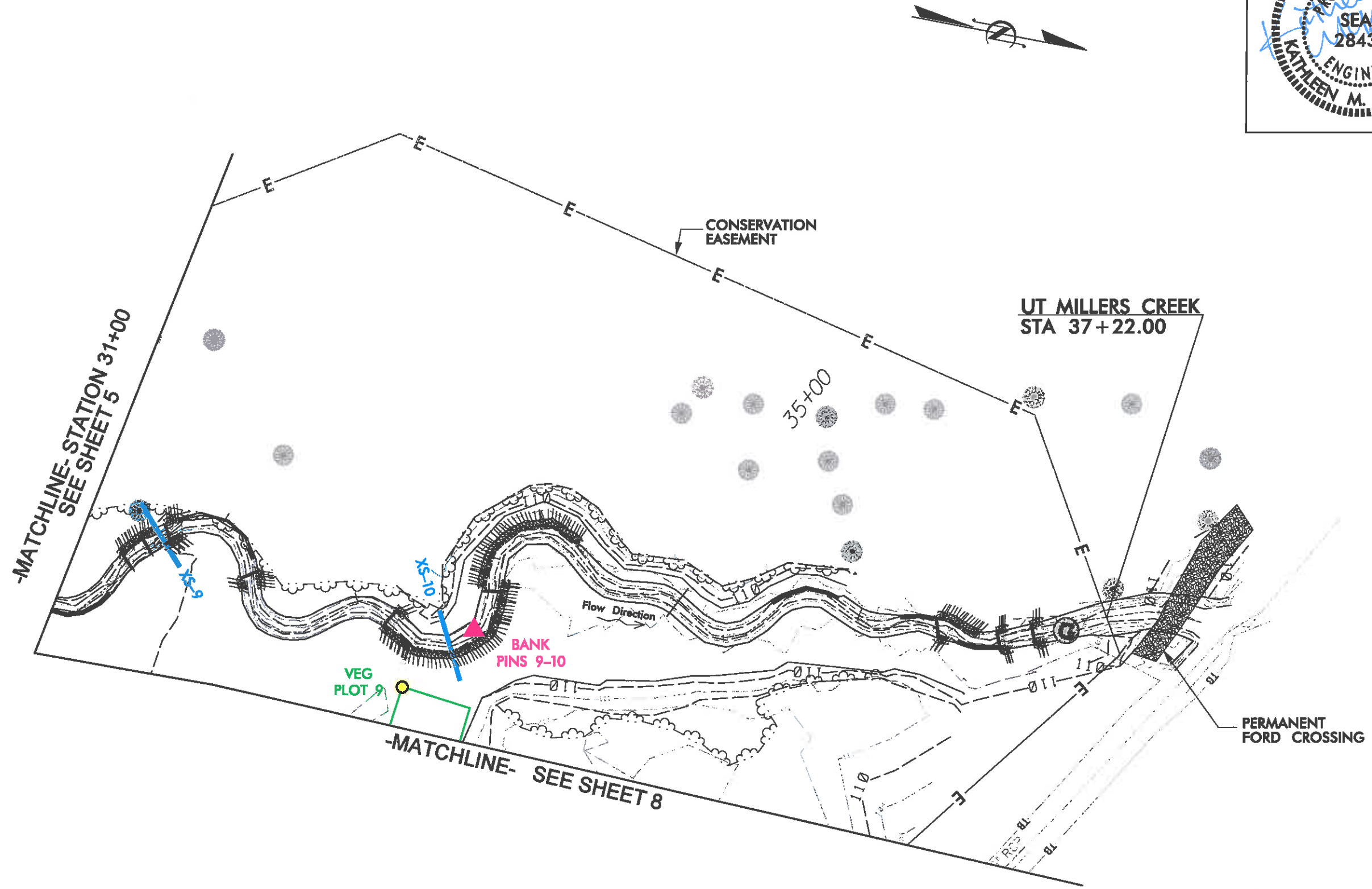
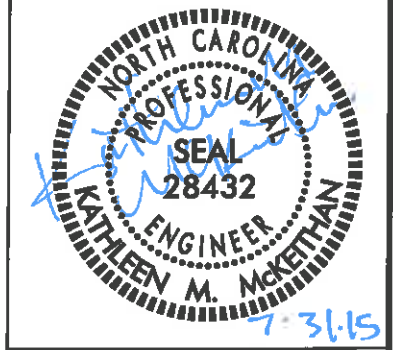
DATE: 07-31-15
 ASBUILT/BASELINE PLAN
 SHEET
 5
 OF 8

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LEGEND

- CONSERVATION EASEMENT LINE
- THALWEG
- BANKFULL
- ASBUILT TOP OF TRAY
- ASBUILT TOE OF TRAY
- CROSS-SECTION LOCATIONS
- CONSTRUCTION REVISIONS
- LOG SILL
- 10M x 10M VEG PLOT
- VEG PLOT ORIGIN
- FLOODPLAIN INTERCEPTOR
- SOIL LIFT
- CREST GAUGE
- BANK PIN
- BRUSH TOE

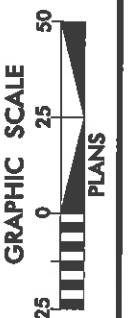
ASBUILT/BASELINE PLAN



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UT MILLERS CREEK
STREAM RESTORATION PROJECT
DUPLIN COUNTY, NORTH CAROLINA
STA 31+00 - STA 37+22



DATE:	07-31-15
ASBUILT/ BASELINE PLAN	
SHEET	6
OF 8	

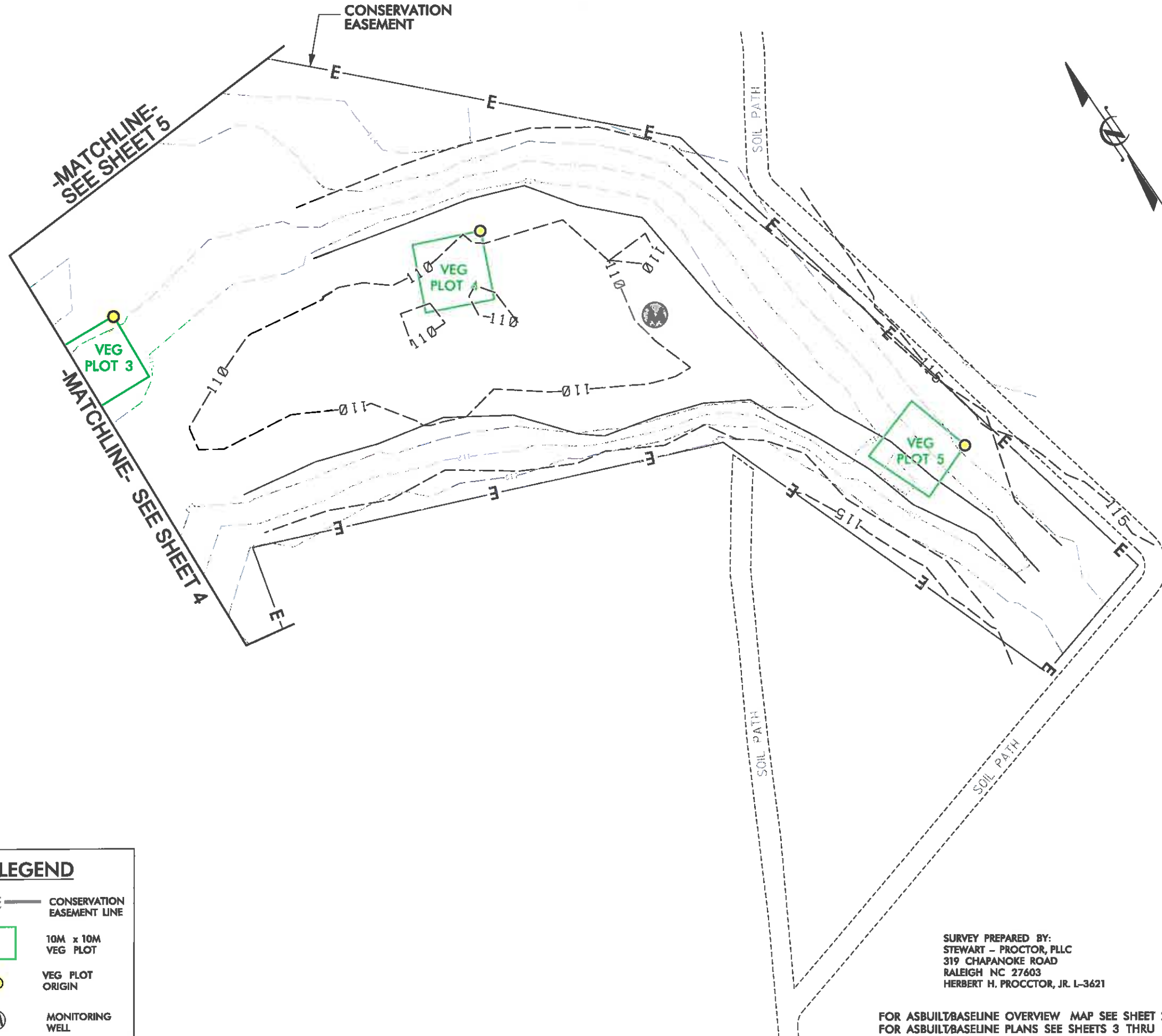
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STEWART - PROCTOR, PLLC
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RALEIGH NC 27603
HERBERT H. PROCTOR, JR. L-3621

FOR ASBUILT/BASELINE OVERVIEW MAP SEE SHEET 2
FOR ASBUILT/BASELINE PLANS SEE SHEETS 3 THRU 8

ASBUILT/BASELINE PLAN



LEGEND

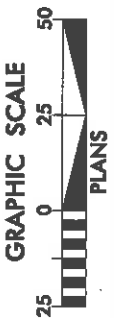
- CONSERVATION EASEMENT LINE
- 10M x 10M VEG PLOT
- VEG PLOT ORIGIN
- MONITORING WELL

SURVEY PREPARED BY:
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 319 CHAPANOKE ROAD
 RALEIGH NC 27603
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FOR ASBUILT/BASELINE OVERVIEW MAP SEE SHEET 2
 FOR ASBUILT/BASELINE PLANS SEE SHEETS 3 THRU 8

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DATE: 07-31-15

ASBUILT/
 BASELINE
 PLAN

SHEET
 7

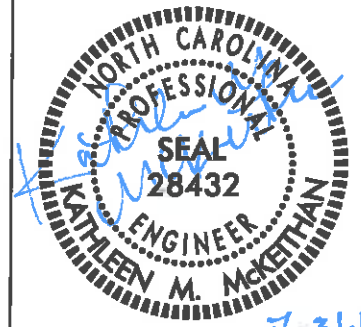
OF 8

UT MILLERS CREEK
 STREAM RESTORATION PROJECT
 DUPLIN COUNTY, NORTH CAROLINA

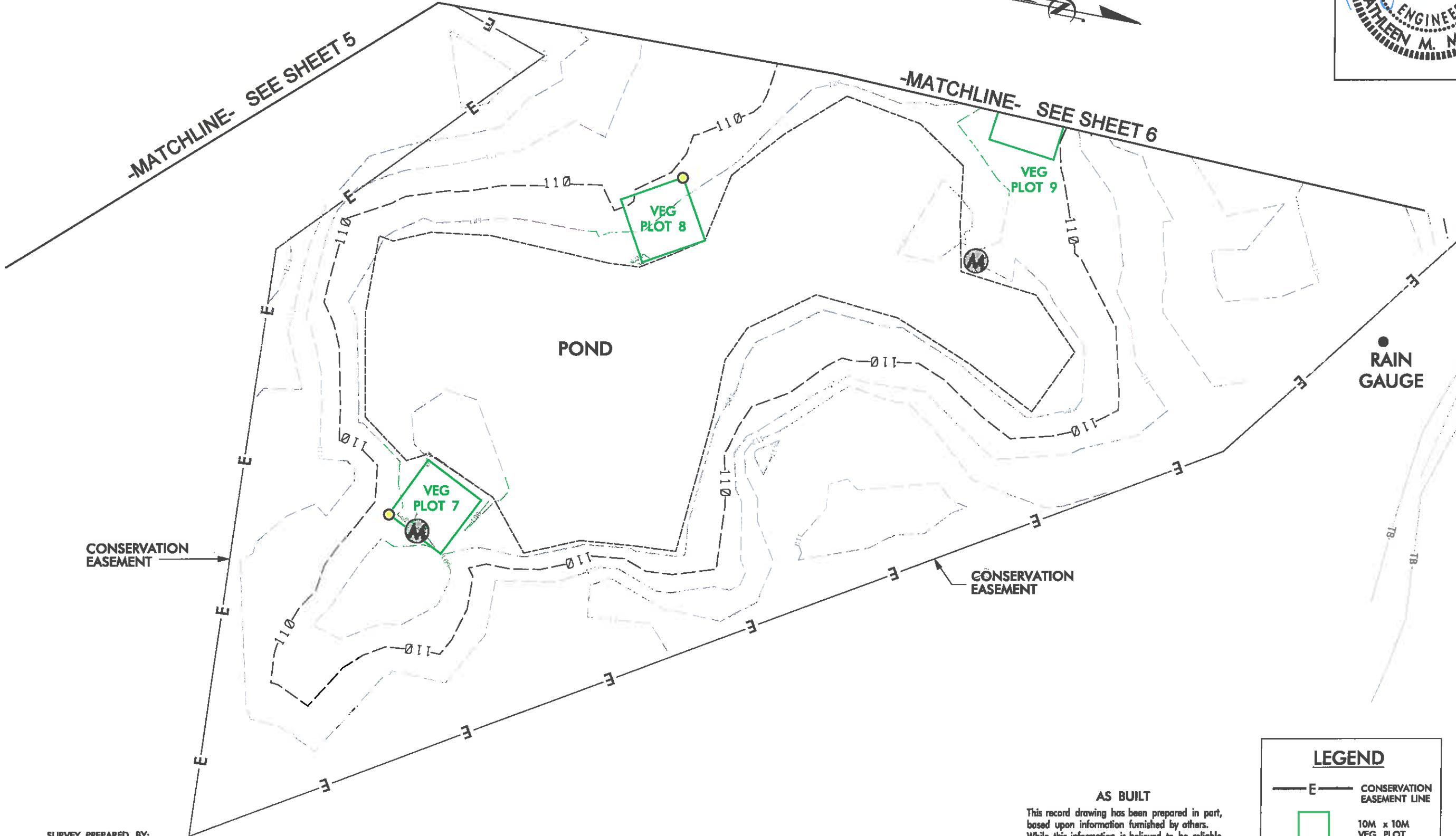


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ASBUILT/BASELINE PLAN



7-31-15



CONSERVATION EASEMENT

CONSERVATION EASEMENT

RAIN GAUGE

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FOR ASBUILT/BASELINE OVERVIEW MAP SEE SHEET 2
FOR ASBUILT/BASELINE PLANS SEE SHEETS 3 THRU 8

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LEGEND	
	CONSERVATION EASEMENT LINE
	10M x 10M VEG PLOT
	VEG PLOT ORIGIN
	MONITORING WELL



DATE: 07-31-15
ASBUILT/BASELINE PLAN
SHEET 8 OF 8

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UT MILLERS CREEK
STREAM RESTORATION PROJECT
DUPLIN COUNTY, NORTH CAROLINA
POND

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