

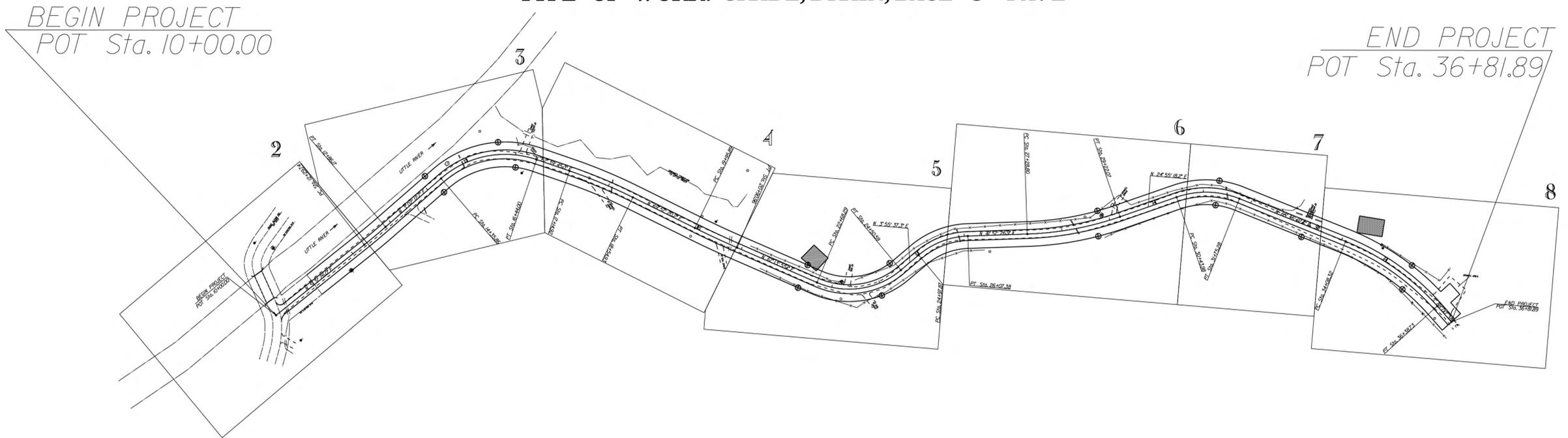
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SR 1434 CLARK RD.

**LOCATION: FROM THE INTERSECTION WITH SR 1433 RIDGE GLENN RD.
TO THE END OF THE PROJECT AT STATION 36+81.89**

TYPE OF WORK: GRADE, DRAIN, BASE & PAVE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.		1	8
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
	N/A	SECONDARY RD.	



PROJECT:

CONTRACT:

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG1000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY

SITE DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 20' IN LENGTH
ALL OTHER AREAS FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES

DISCLAIMER

THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS. THE PROPERTY SHOWN ON THIS MAP WAS LOCATED FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION FOR HIGHWAY DESIGN PURPOSES. SOME ERROR MAY EXIST BETWEEN THE GRAPHICAL AND ACTUAL GROUND LOCATIONS OF PROPERTY LINES. THIS MAP IS TO BE USED AS A GRAPHICAL REPRESENTATION OF THE NCDOT'S INTENT TO ACQUIRE PROPERTY FOR RIGHT OF WAY PURPOSES, AND IN NO WAY REPRESENTS AN ACTUAL BOUNDARY SURVEY OF THIS PROPERTY.

GRAPHIC SCALES

DESIGN DATA

ADT = _____
 ADT = _____
 DHV = _____ %
 D = _____ %
 T = _____ % *
 V = _____ MPH
 * TTST = DUAL
 FUNC CLASS = _____

PROJECT LENGTH

0.51 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
 419 Oakland Dr., Elkin Nc, 28621

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
 N/A

LETTING DATE:
 N/A

M. A. Pettyjohn P.E.
 DIVISION ENGINEER

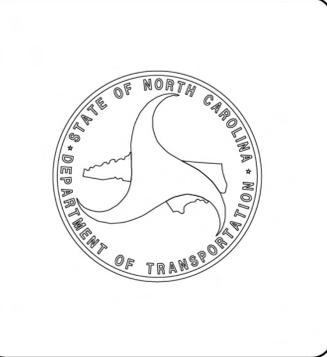
B. W. Whitaker P.E.
 DISTRICT ENGINEER

HYDRAULICS ENGINEER

 P.E.

ROADWAY DESIGN ENGINEER

 P.E.



1. All section of the project are designed under the 60 day option, which means any areas disturbed must be completed within 60 days (slopes graded, ditchliners installed all EC devices installed, slopes seeded and mulched and stone base on road bed. Shoulders are not required to be completed but seeding time frames still must be maintained.

2. 12" wattles to be used on project.

3. Refer to EC schedule for EC device sequence

4. Any fill slopes with a height greater that 10' require a slope drain to carry water down the slope.



BEGIN PROJECT
POT Sta. 10+00.00

RIDGE GLENN RD.
SR 1433

50' EXISTING R/W

PC Sta. 12+29.74

LITTLE RIVER →

MATCHLINE SEE SHEET "3"

Ditchliner Requirements

Construction Sheet #	283	384	4	5	6	687	788	8
Construction Line (L, -, Y, etc.)	L	L	L	L	L	L	L	L
Left or Right (LT, RT, Median)	RT	RT	RT	RT	RT	RT	RT	RT
Upper Station No.	1550	1800	2090	2400	2690	2960	3150	3450
Upper Station Elevation (ft.)								
Lower Station No.	1000	1550	1800	2080	2400	2690	2950	3150
Lower Station Elevation (ft.)								
Design Ditch Flow Depth (ft.)	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Actual Ditch Depth (ft.)	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33
Frontslope Grade (i.e. 2 for 2:1)	3	3	3	3	3	3	3	3
Backslope Grade (i.e. 2 for 2:1)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Base Width (ft., 0 for V-ditches)	0	0	0	0	0	0	0	0
Measured Ditchline Length (ft.)	550	250	290	320	290	290	200	300
Ditch Grade (%)	0.65	5.18	7.95	7.50	8.70	11.40	1.64	7.25
Velocity (ft/s)	1.47	4.15	5.15	5.00	5.38	6.18	1.67	4.91
Shear Stress in Ditch (lb/ft ²)	0.13	1.07	1.64	1.54	1.79	2.35	1.99	1.49
Ditch Liner Requirement	None	PSRM	RIPRAP	RIPRAP	RIPRAP	RIPRAP	RIPRAP	None

Scott Pipes
LEVEL IIIA NAME

237
LEVEL IIIA CERTIFICATION NO.

5 x 10 x 3
1 Baffle
ID 2.1

BEGIN 50' R/W ACQUISITION

LYNDA JOYCE
DB 324 PG 125

TELEPHONE PEDESTAL
11+76
2373 RT
157-2-25-7
TELEPHONE PEDESTAL
11+78
2407 RT
POWER POLE
11+78
2488 RT

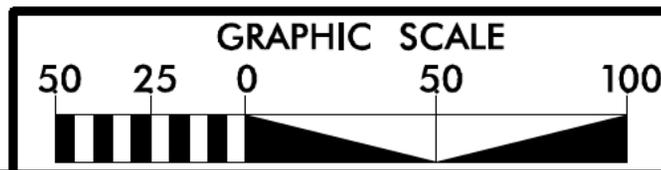
No name tributary
to Little River

N 5° 31' 26.0" F
← 0.65% GRADE

SCCF

SCCF

PROPOSED 18' PAVEMENT



LOCATION: "CLARK RD."
SR 1434
COUNTY: ALLEGHANY
TOWNSHIP: GLADE CREEK
DESIGNED BY: JDW
CHECKED BY: DATE: 2/27/12

PI Sta 17+85.02	PI Sta 20+43.43
$\Delta = 7^{\circ} 17' 34.9''$ (RT)	$\Delta = 2^{\circ} 43' 25.1''$ (LT)
$D = 5^{\circ} 12' 31.3''$	$D = 2^{\circ} 51' 53.2''$
$L = 140.02'$	$L = 95.07'$
$T = 70.10'$	$T = 47.55'$
$R = 1,100.00'$	$R = 2,000.00'$

Scott Pipes
 LEVEL IIIA NAME
 237
 LEVEL IIIA CERTIFICATION NO.

MICHAEL & SHARON
 FREEMAN
 DB 242 PG 141



PC Sta. 19+95.89

PT Sta. 20+90.96

LONNIE SPURLIN
 DB 179 PG 269

UNNAMED TRIBUTARY
 TO LITTLE RIVER

Install 4' sections of
 SSCF in low points
 of TSF and at the
 ends of silt fence

EIP
 19+99
 27.76 LT

POWER POLE
 20+29
 30.03 LT

9 x 18 x 3
 2 Baffles
 ID 4.2

$N 69^{\circ} 57' 20.2'' E$

7.95%

$2^{\circ} 39' 45.3'' E$

WATCHLINE SEE SHEET 03

LYNDA JOYCE
 DB 324 PG 125

PC Sta. 17+14.92

EIP
 17+58
 0.52 LT

12' GRAVEL
 DRIVE

2 Tiered
 4 x 12 x 3
 2 Baffles Each
 ID 4.1

LYNDA JOYCE
 DB 324 PG 125

EIP
 19+95
 18.76 RT

PT Sta. 18+54.93

LYNDA JOYCE
 DB 253 PG 859

WATCHLINE SEE SHEET 05



LOCATION: "CLARK RD."
 COUNTY: ALLEGHANY
 TOWNSHIP: GLADE CREEK
 DESIGNED BY: JDW
 CHECKED BY: DATE: 2/27/12

Scott Pipes
 LEVEL IIIA NAME
 237
 LEVEL IIIA CERTIFICATION NO.



LONNIE SPURLIN
 DB 179 PG 269

MATCHLINE SEE SHEET "4"

5 x 10 x 3
 1 Baffles
 ID 5.1

LYNDA JOYCE
 DB 253 PG 859

LEE JOYCE
 DB 179 PG 266

PC Sta. 22+68.29

PT Sta. 24+50.59

N 3° 55' 37.3" E

TELEPHONE PEDES TAL
 23+20
 14.32 LT 12-21-19-6
 TELEPHONE PEDES TAL
 23+16
 12.31 LT 12-21-19-6

OLD BARN
 22+58
 20.85 LT

7 x 14 x 3
 2 Baffles
 ID 5.2

10' SOIL DRIVE

EIP
 23+21
 20.43 RT

4 x 12 x 3
 2 Baffles
 ID 5.3
 LYNDA JOYCE
 DB 253 PG 859

PI Sta 23+70.01
 $\Delta = 63^\circ 18' 17.8" (LT)$
 $D = 34^\circ 43' 29.0"$
 $L = 182.31'$
 $T = 101.72'$
 $R = 165.00'$

PC Sta. 24+97.87

MATCHLINE SEE SHEET "6"



LOCATION: "CLARK RD."
 SR 1434
 COUNTY: ALLEGHANY
 TOWNSHIP: GLADE CREEK
 DESIGNED BY: JDW
 CHECKED BY: DATE: 2/27/12

PI Sta 25+54.73
 $\Delta = 38^\circ 01' 49.6''$ (RT)
 $D = 34^\circ 43' 29.0''$
 $L = 109.52'$
 $T = 56.86'$
 $R = 165.00'$

LONNIE SPURLIN
 DB 179 PG 269

BILL & JANE EBERT
 DB 296 PG 867

TELEPHONE PEDESTAL
 28+88 15.34 LT
 12-21-19-7
 TELEPHONE PEDESTAL
 28+86 12.87 LT
 157-2-25-10

N 24° 55' 18.2" E

5 x 10 x 3
 1 Baffles
 ID 6.5

3 x 9 x 3
 1 Baffles
 ID 6.4

EIP 28+52 19.27 LT

6 x 12 x 3
 2 Baffles
 ID 6.1

N 41° 57' 26.9" E
 11.4%

2 Tiered
 4 x 12 x 3
 2 Baffles Each
 ID 6.3

2 Tiered
 4 x 12 x 3
 2 Baffles Each
 ID 6.2

EIP 26+51 32.82 RT

LYNDIA JOYCE
 DB 253 PG 859

Scott Pipes
 LEVEL IIIA NAME

 237
 LEVEL IIIA CERTIFICATION NO.

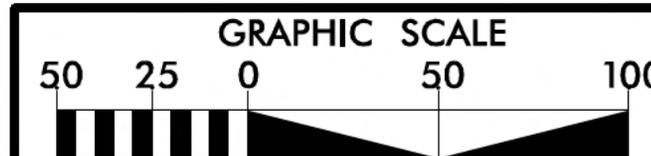
BILL & JANE EBERT
 DB 296 PG 867

PI Sta 28+26.15
 $\Delta = 17^\circ 02' 08.7''$ (LT)
 $D = 8^\circ 48' 53.0''$
 $L = 193.26'$
 $T = 97.35'$
 $R = 650.00'$

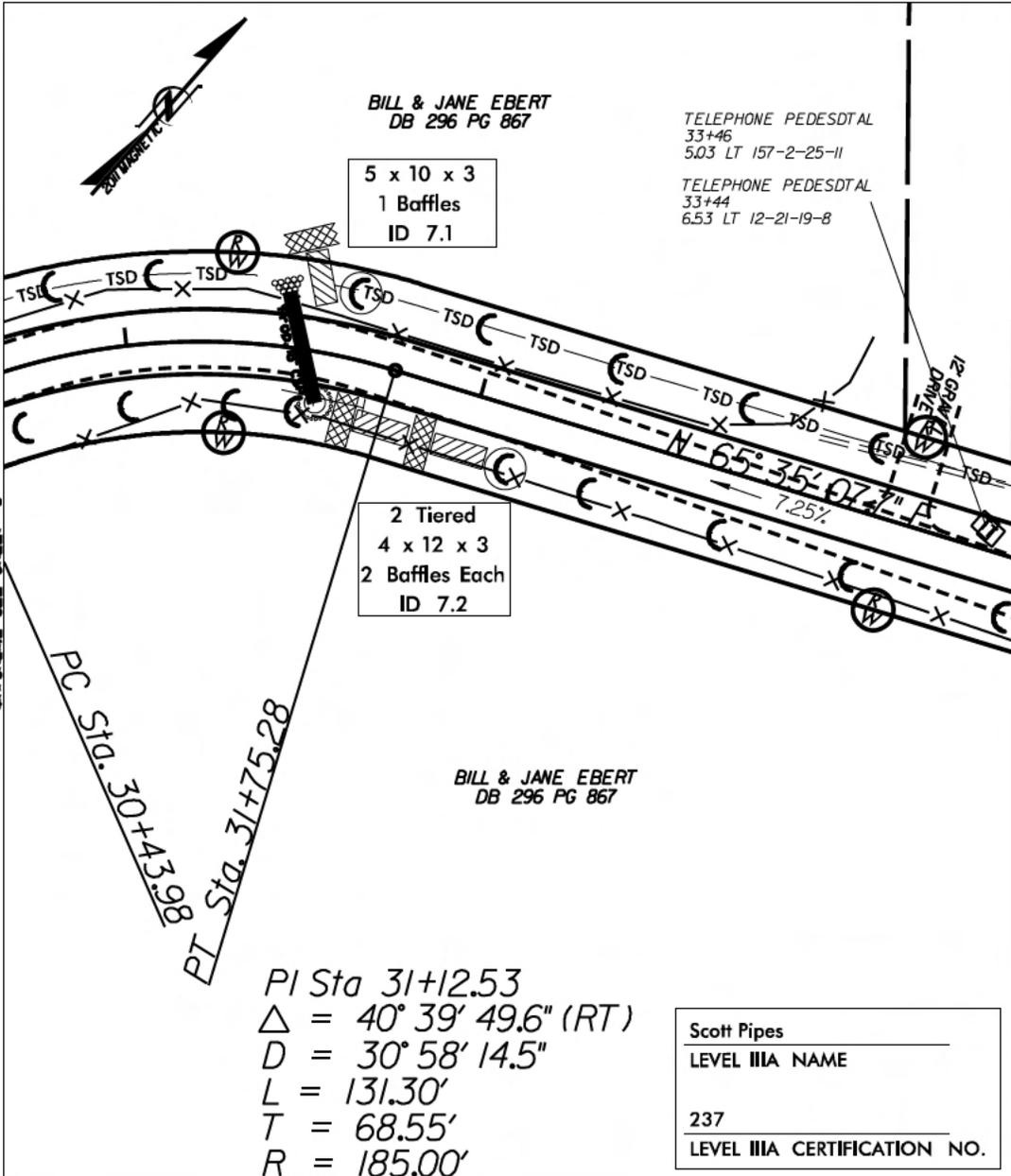
PT Sta. 26+07.38

MATCHLINE SEE SHEET *5

MATCHLINE SEE SHEET *7

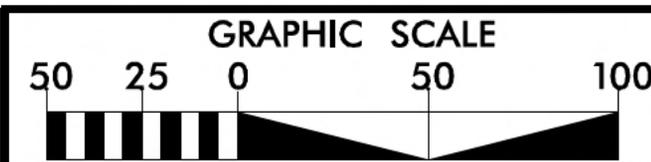


LOCATION: "CLARK RD."
 COUNTY: ALLEGHANY
 TOWNSHIP: GLADE CREEK
 DESIGNED BY: JDW
 CHECKED BY: DATE: 2/27/12



MATCHLINE SEE SHEET '6

MATCHLINE SEE SHEET '8



LOCATION:	"CLARK RD."
COUNTY:	SR 1434 ALLEGHANY
TOWNSHIP:	GLADE CREEK
DESIGNED BY:	JDW
CHECKED BY:	DATE: 2/27/12

$PI\ Sta\ 35+25.61$
 $\Delta = 26^\circ 24' 13.5'' (RT)$
 $D = 11^\circ 27' 33.0''$
 $L = 230.42'$
 $T = 117.29'$
 $R = 500.00'$

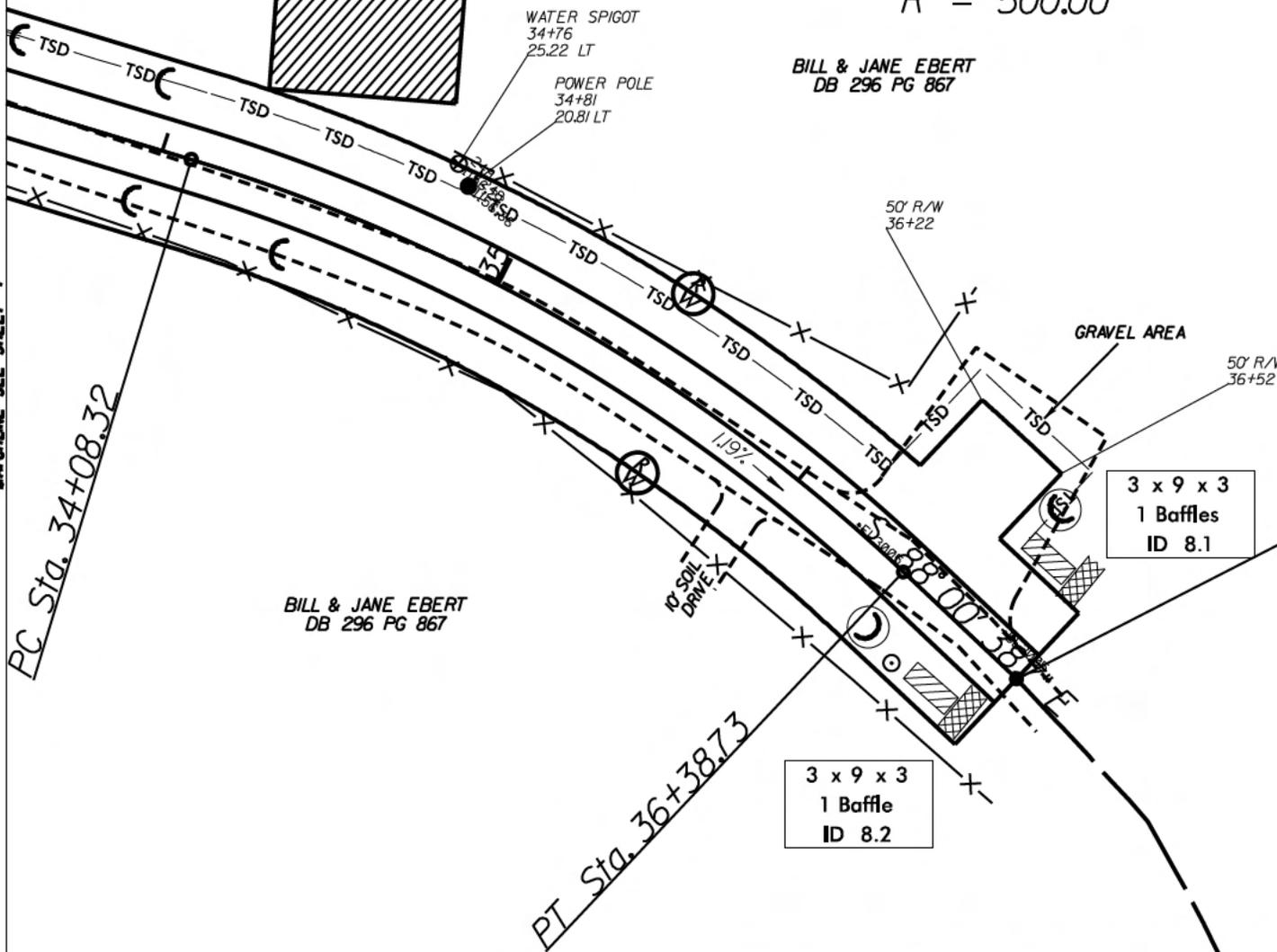


BILL & JANE EBERT
DB 296 PG 867

BILL & JANE EBERT
DB 296 PG 867

Scott Pipes
LEVEL IIIA NAME
237
LEVEL IIIA CERTIFICATION NO.

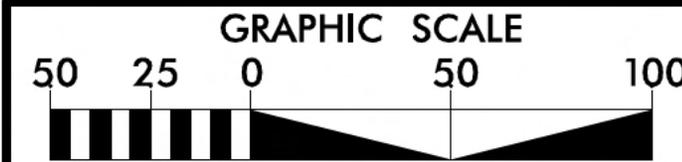
END PROJECT
POT Sta. 36+81.89



MATCHLINE SEE SHEET '7'

PC Sta. 34+08.32

PT Sta. 36+38.73



LOCATION:	"CLARK RD."
COUNTY:	SR 1434 ALLEGHANY
TOWNSHIP:	GLADE CREEK
DESIGNED BY:	JDW
CHECKED BY:	DATE: 2/27/12