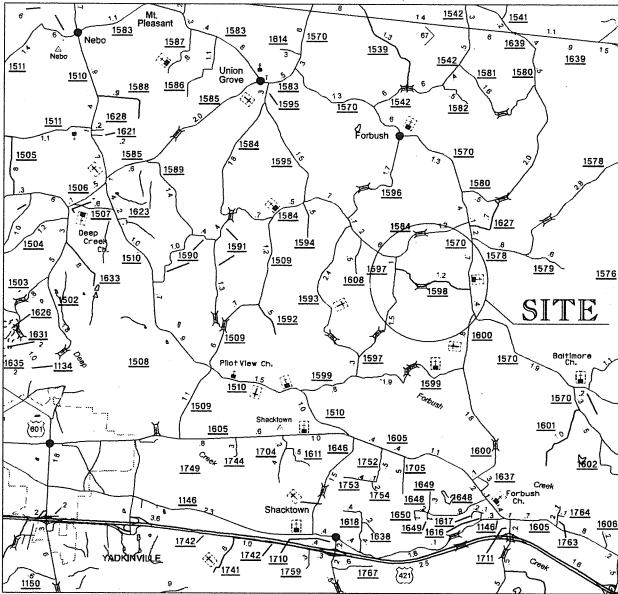


VICINITY MAP



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

YADKIN COUNTY

LOCATION: SR 1598 ADDISON ROAD FROM STA. 25+58 TO STA. 35+74

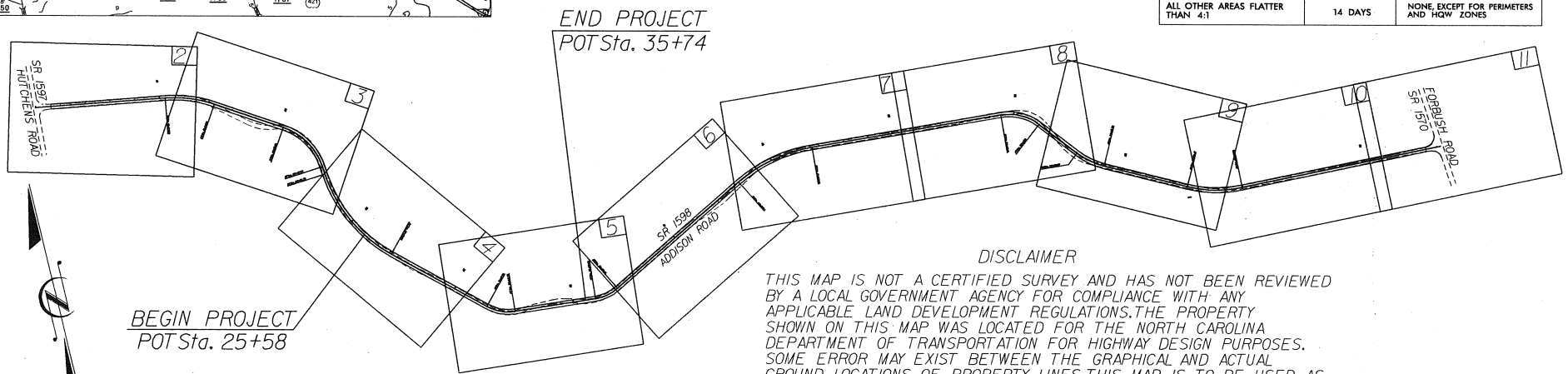
TYPE OF WORK: GRADING, DRAINAGE, BASE, PAVING - 0.19 MILES

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	11C.099033	1	3
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
11C.099033		CONST. PE & R/W	

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

PROJECT: 11C.099033



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.

<p>GRAPHIC SCALES</p> <p>0 PLANS</p> <p>0 PROFILE (HORIZONTAL)</p> <p>0 PROFILE (VERTICAL)</p>	<p>DESIGN DATA</p> <p>ADT =</p> <p>DHV = %</p> <p>D = %</p> <p>T = % *</p> <p>V = MPH</p> <p>* TTST % DUAL %</p>	<p>PROJECT LENGTH</p> <p>LENGTH 1.20 MILES</p>	<p>Prepared In the Office of: DIVISION OF HIGHWAYS DIVISION 11, DISTRICT 1, ELKIN 1000 Birch Ridge Dr., NC, 27610</p> <p>2003 STANDARD SPECIFICATIONS</p> <p>RIGHT OF WAY DATE: AUGUST 22, 2003</p> <p>LETTING DATE:</p> <p>R.C. McCANN, P.E. DIVISION ENGINEER</p> <p>C.C. REINHARDT, P.E. DISTRICT ENGINEER</p>	<p>DIVISION ENGINEER</p> <p>SIGNATURE: _____ P.E.</p> <p>DISTRICT ENGINEER</p> <p>SIGNATURE: _____ P.E.</p>	<p>DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA</p> <p>STATE DESIGN ENGINEER</p> <p>DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION</p> <p>APPROVED DIVISION ADMINISTRATOR</p> <p>DATE</p>
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PROJECT REFERENCE NO.	SHEET NO.
IC.099033	4
R/W SHEET NO.	4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

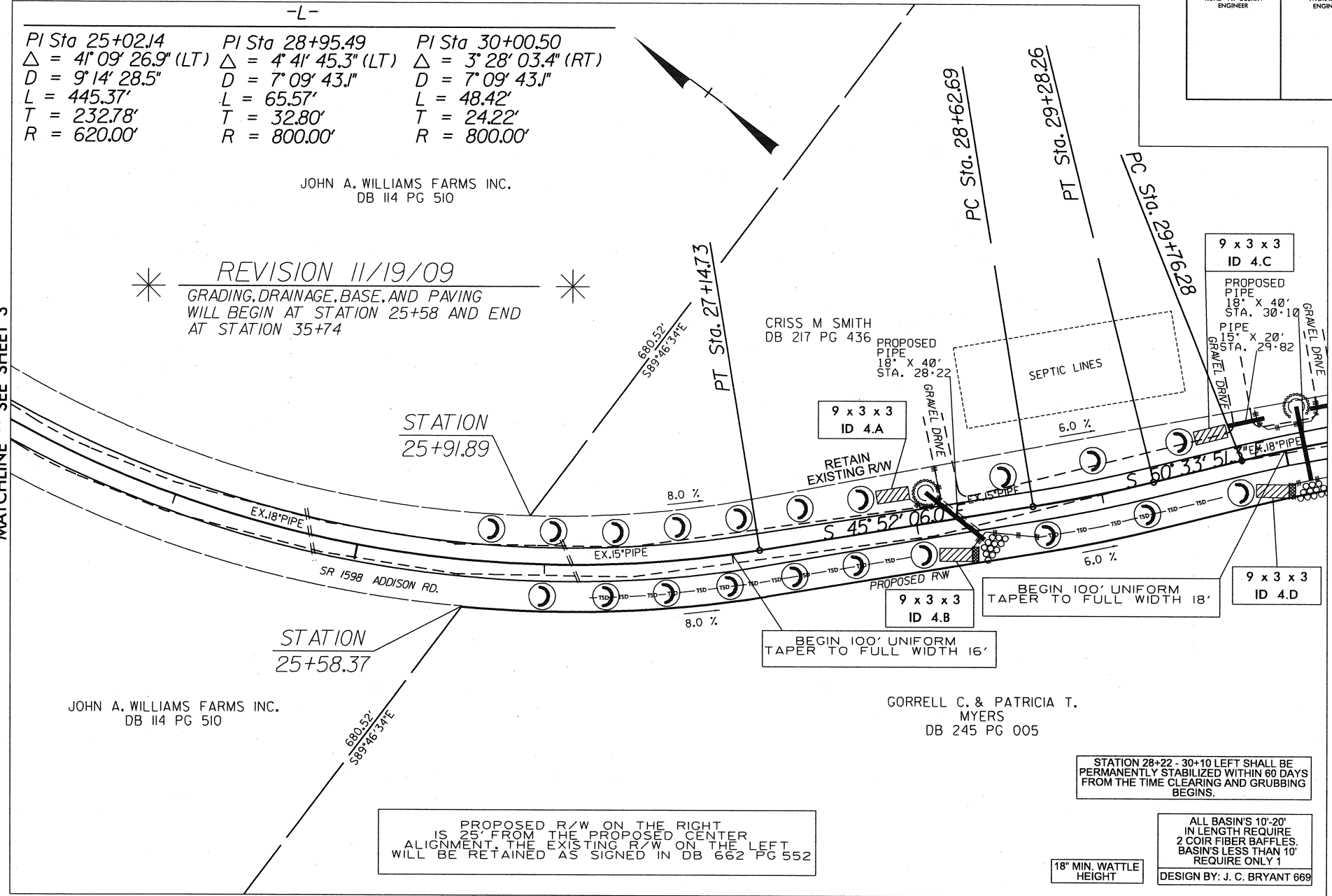
-L-

PI Sta 25+02.14	PI Sta 28+95.49	PI Sta 30+00.50
$\Delta = 4^{\circ} 09' 26.9" (LT)$	$\Delta = 4^{\circ} 41' 45.3" (LT)$	$\Delta = 3^{\circ} 28' 03.4" (RT)$
$D = 9^{\circ} 14' 28.5"$	$D = 7^{\circ} 09' 43.1"$	$D = 7^{\circ} 09' 43.1"$
$L = 445.37'$	$L = 65.57'$	$L = 48.42'$
$T = 232.78'$	$T = 32.80'$	$T = 24.22'$
$R = 620.00'$	$R = 800.00'$	$R = 800.00'$

JOHN A. WILLIAMS FARMS INC.
DB 114 PG 510

* REVISION 11/19/09 *
GRADING, DRAINAGE, BASE, AND PAVING
WILL BEGIN AT STATION 25+58 AND END
AT STATION 35+74

MATCHLINE ** SEE SHEET 3



JOHN A. WILLIAMS FARMS INC.
DB 114 PG 510

GORRELL C. & PATRICIA T.
MYERS
DB 245 PG 005

PROPOSED R/W ON THE RIGHT
IS 25' FROM THE PROPOSED CENTER
ALIGNMENT. THE EXISTING R/W ON THE LEFT
WILL BE RETAINED AS SIGNED IN DB 662 PG 552

STATION 28+22 - 30+10 LEFT SHALL BE
PERMANENTLY STABILIZED WITHIN 60 DAYS
FROM THE TIME CLEARING AND GRUBBING
BEGINS.

ALL BASIN'S 10'-20'
IN LENGTH REQUIRE
2 COIR FIBER BAFFLES.
BASIN'S LESS THAN 10'
REQUIRE ONLY 1

18" MIN. WATTLE
HEIGHT

DESIGN BY: J. C. BRYANT 669

MATCHLINE ** SEE SHEET 5

8/17/99

PROJECT REFERENCE NO. 11C.099033	SHEET NO. 5
R/W SHEET NO. 5	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

THOMAS P. JOHNSON
DB 314 PG 522

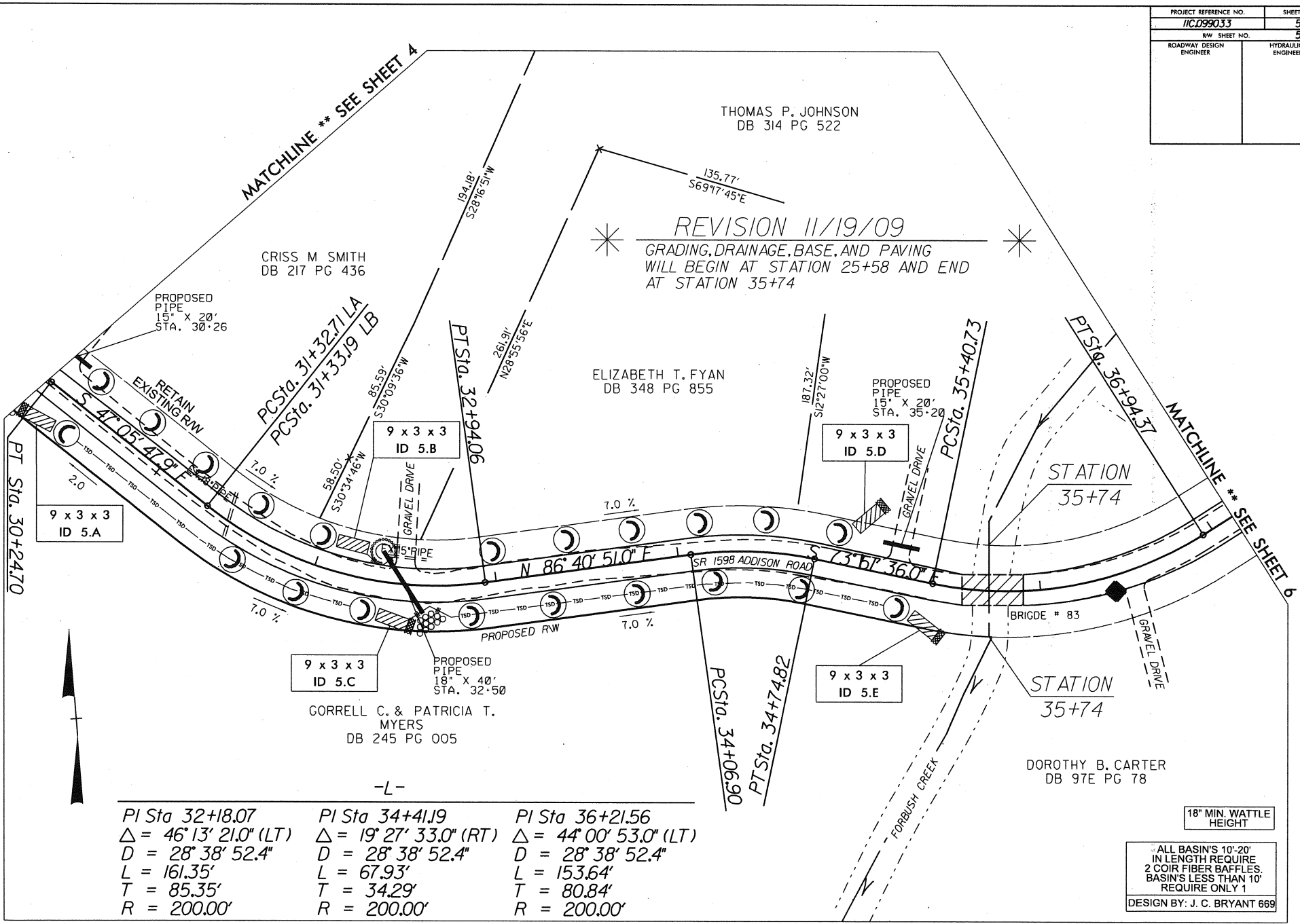
REVISION 11/19/09
GRADING, DRAINAGE, BASE, AND PAVING
WILL BEGIN AT STATION 25+58 AND END
AT STATION 35+74

ELIZABETH T. FYAN
DB 348 PG 855

CRISS M SMITH
DB 217 PG 436

GORRELL C. & PATRICIA T.
MYERS
DB 245 PG 005

DOROTHY B. CARTER
DB 97E PG 78



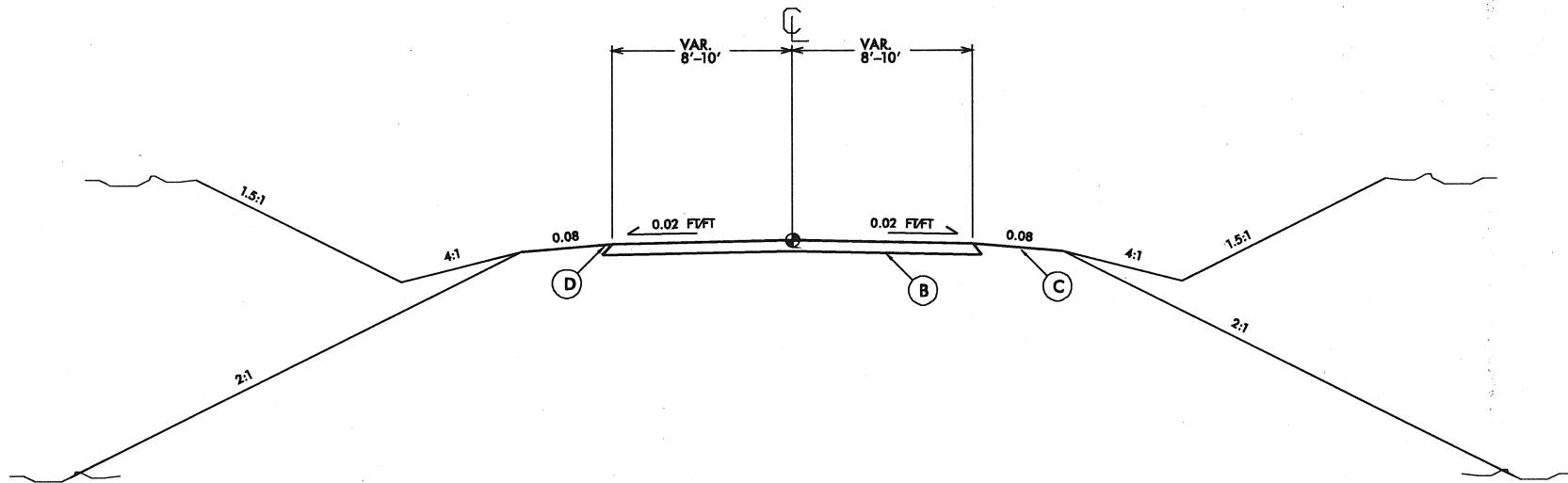
PI Sta 32+18.07	PI Sta 34+41.19	PI Sta 36+21.56
$\Delta = 46^{\circ} 13' 21.0''$ (LT)	$\Delta = 19^{\circ} 27' 33.0''$ (RT)	$\Delta = 44^{\circ} 00' 53.0''$ (LT)
$D = 28^{\circ} 38' 52.4''$	$D = 28^{\circ} 38' 52.4''$	$D = 28^{\circ} 38' 52.4''$
$L = 161.35'$	$L = 67.93'$	$L = 153.64'$
$T = 85.35'$	$T = 34.29'$	$T = 80.84'$
$R = 200.00'$	$R = 200.00'$	$R = 200.00'$

18" MIN. WATTLE HEIGHT

ALL BASINS 10'-20'
IN LENGTH REQUIRE
2 COIR FIBER BAFFLES.
BASINS LESS THAN 10'
REQUIRE ONLY 1

DESIGN BY: J. C. BRYANT 669

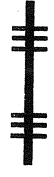
8/17/99



B 8" (compacted) ABC

C Shoulder varies: Cut side = 4' shoulder on .08 ft/ft
 transition to a 4:1 slope for a distance of 4'
 to center of the ditch line
 Fill side = 6' to shoulder break

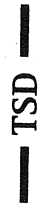
D Base should be 1' wider than
 overall proposed road width



Temporary Silt Fence



Special Sediment Control Fence



Temporary Silt Ditch



Temporary Diversion



Temporary Slope Drain



Riser Basin



Silt Basin, Type B



Temporary Rock Silt Check, Type A



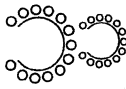
Temporary Rock Silt Check, Type B



Temporary Rock Sediment Dam, Type A



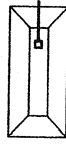
Temporary Rock Sediment Dam, Type B



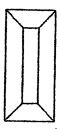
Rock Pipe Inlet Sediment Trap, Type A



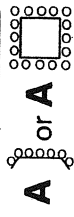
Rock Pipe Inlet Sediment Trap, Type B



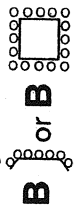
Skimmer Basin



Stilling Basin



A or A



B or B



C or C

Rock Inlet Sediment Trap, Type A

Rock Inlet Sediment Trap, Type B

Rock Inlet Sediment Trap, Type C

Coir Fiber Baffle

Gravel Construction Entrance



Special Stilling Basin

Temporary Stream Crossing

without PAM) with PAM)



Wattle with Polyacrylamide (PAM)



Silt Check Type A with Excelsior

Matting and Polyacrylamide (PAM)

Construction Sheet #	4	4	4*5	5	4	4	4*5	5	5
Construction Line (-L,-Y-,etc.)	L	L	L	L	L	L	L	L	L
Left or Right (LT.,RT.,Median)	LT	LT	LT	LT	RT	RT	RT	RT	RT
Upper Station No.	2558	2822	3010	3250	2558	2822	3010	3100	3250
Upper Station Elevation (ft.)	1000	978.88	967.6	950.8	1000	978.88	967.6	965.8	957.1
Lower Station No.	2822	3010	3250	3540	2822	3010	3100	3250	3540
Lower Station Elevation (ft.)	978.88	967.6	950.8	930.5	978.88	967.6	965.8	957.1	930.5
Design Ditch Flow Depth (ft.)	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Actual Ditch Depth (ft.)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Frontslope Grade (i.e. 2 for 2:1)	4	4	4	4	4	4	4	4	4
Backslope Grade (i.e. 2 for 2:1)	2	2	2	2	2	2	2	2	2
Base Width (ft., 0 for V-Ditches)	0	0	0	0	0	0	0	0	0
Measured Ditchline Length (ft.)	264	188	240	290	264	188	90	150	290
Ditch Grade (%)	8	6	7	7	8	6	2	5.8	9.17
Velocity (ft/s)	5.3	4.59	4.96	4.96	5.3	4.59	2.65	4.51	5.68
Shear Stress in Ditch (lb/ft2)	1.65	1.24	1.44	1.44	1.65	1.24	0.41	1.19	1.89
Ditch Liner Requirement	RIPRAP	PSRM	RIPRAP	PSRM	RIPRAP	PSRM	MATTING	PSRM	RIPRAP
Matting Quantity (yd2)	0	0	0	0	0	0	115	0	0
PSRM Matting Quantity (yd2)	0	240	0	370	0	240	0	190	0