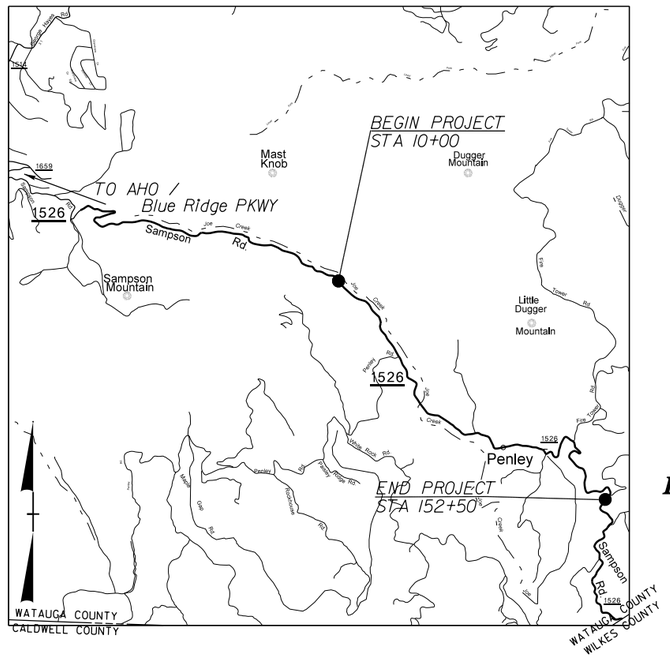
VICINITY MAP



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WATAUGA COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	11C.095102	EC-1	9

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

LOCATION: *SR 1526B SAMPSON RD*
FROM POINT 2.88 MILES TO POINT
STA 10+00 TO E.O.P. 152+50

TYPE OF WORK: *GRADING, DRAINAGE, BASE*
AND PAVING – 2.88 MILES

BEGAN SURVEY: *06/26/08*

END SURVEY: *09/19/08*

REVISED: *4/14/14 Extended EOP from 136+75 to 152+50; added Plan sheet 24 & 25*
5/19/14 Added Slope Stake lines /poles /pipes from 136+75 to 152+50

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1633.02	Temporary Rock Silt Check Type-B	
	Wattle / Coir Fiber Wattle	SW CFW
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	Stilling Basin	
1630.06	Special Stilling Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	
	Tiered Skimmer Basin	
	Infiltration Basin	

THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT

Refer To E. C. Special Provisions for Special Considerations.

GRAPHIC SCALE

25 0 50
PLANS

5 0 10
PROFILE (HORIZONTAL)

5 0 10
PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG–010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared In the Office of:

DIVISION OF HIGHWAYS
DIVISION 11, DISTRICT 2 BOONE
P.O. BOX 1460, BOONE, N.C. 28607

2012 STANDARD SPECIFICATIONS

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"– Roadway Design Unit – N. C. Department of Transportation – Raleigh, N. C., dated January 2012 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type B
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type A
1622.01	Temporary Berms and Slope Drains	1633.02	Temporary Rock Silt Check Type B
1630.01	Riser Basin	1634.01	Temporary Rock Sediment Dam Type A
1630.02	Silt Basin Type B	1634.02	Temporary Rock Sediment Dam Type B
1630.03	Temporary Silt Ditch	1635.01	Rock Pipe Inlet Sediment Trap Type A
1630.04	Stilling Basin	1635.02	Rock Pipe Inlet Sediment Trap Type B
1630.05	Temporary Diversion	1640.01	Coir Fiber Baffle
1630.06	Special Stilling Basin	1645.01	Temporary Stream Crossing
1631.01	Matting Installation		

04/16/11

PROJECT REFERENCE NO.	SHEET NO.
SR 1526B	1A

EROSION CONTROL & PIPE INSTALLATION SCHEDULE
TROUT BUFFER ZONE SEQUENCE
GENERAL E&SC NOTES
GROUND STABILIZATION CHART

Erosion Control Schedule and Notes

1. Generally, the order of installation of the erosion control measures will be as follows:

   A. Temporary silt basins shall be installed before clearing and grubbing begins.

   B. Silt fences and temporary silt ditches shall be installed after clearing and before grading.

   C. Temporary stone ditch checks with PAM or wattles with PAM shall be installed in all disturbed areas as soon as the disturbance begins.

   D. Final stone ditch checks or wattles shall be installed as soon as ditch line is established.

   E. Pipe outlet and inlet protection will be done as soon as the pipe is installed.

   F. Other permanent erosion control measures are to be implemented as soon as practical.

2. Temporary rock silt checks, type B will be spaced by percent grade as shown in the erosion control plan.

3. No. 5 stone, or equivalent, will be used in conjunction with the temporary rock silt checks in locations where water is leaving the project or entering a pipe.

4. All devices are to be cleaned out when half full.

5. Establish permanent vegetation per ground stabilization chart.

Notes:

For silt basin size see the attached erosion control plans.

PAM is to be placed on all Type A checks and wattles in the erosion control chain except for the final device in HWQ and Trout projects.

Wet Pipe Installation Schedule and Notes

1. Prior to installing any E&SC measures identify permit conditions and impact area limits.

2. Install erosion control devices.

3. Manage the water course. The pipe must be placed in the dry. Install dewatering measures.

4. Remove material and existing pipe while limiting, material and sediment from entering stream and escaping the project.

5. Excavation of stream channel shall not exceed 10' on either side of new pipe or culvert unless indicated on permit.

6. Per permit conditions for Corps of Engineers and the Wildlife Resources Commission, all pipes in streams 48”or greater must be buried 12” below streambed elevation. Pipes less than 48”must be buried with 20% of the diameter below streambed elevation.

7. Place the new pipe and compact backfill.

8. Install slope protection on the outlet and inlet ends of the pipe. Also complete installation of erosion control measures and perform maintenance as needed on existing measures.

9. Establish permanent vegetation per ground stabilization chart.

10. More information on wet pipe installation can be found in the BMP manual section 4.2 "Pipe & Culvert installation"

General Erosion Control Sequence & Notes for NC DOT Projects in Trout Buffer Zones

1. Prior to installing any E&SC measures identify permit conditions and impact area limits. Review trout buffer variance approval conditions for any special provisions.

2. All materials should be on the hand before work is commenced.

3. Install EC devices

4. Work within the buffer zone should be sequenced to minimize the length of time that disturbed areas are exposed. Stream bank stabilization, which includes the area from the edge of water to the top of bank, should be phased so that each day’s work is a completed work, including provision of adequate ground cover.

5. Graded slopes and fills within the trout buffer zone will within 7 calendar days of completion of any phase of grading be planted or otherwise provided with temporary or permanent ground cover, devices, or structures sufficient to restrain erosion.

6. Graded slopes and fills within the trout buffer zone (excluding road shoulders) shall be protected with rolled erosion control product, bonded fiber matrix, or flexible growth medium after seeding.

Notes:

Silt fence backed by woven wire, with a post spacing of 6 feet, shall be used instead of standard silt fence in trout buffer zone. Special sediment control fence shall be used in areas where bedrock is encountered which prohibits the proper anchoring of fabric, and in low points of the silt fence in 3-foot sections to allow for concentrated flows.

The disturbed areas within the stream buffer shall be restored to native vegetation characteristic of an undisturbed buffer to the extent practical upon completion of construction.

Flyrock protection such as blast mats should be provided for blasting in close proximity to streams.

PAM is to be placed on all Type A checks and wattles in the erosion control chain except for the final device in HWQ and Trout projects.

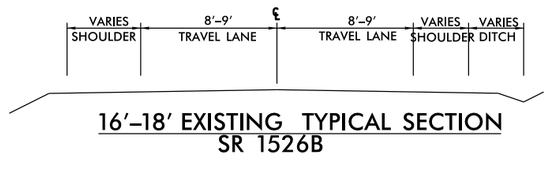
GROUND STABILIZATION CHART

Site Area Description	Stabilization Time Frame	Stabilization Time Frame 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 ft. 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 50' in lenght
All other areas flatter than 4:1	14 days	None (except for perimeters and HQW zones)

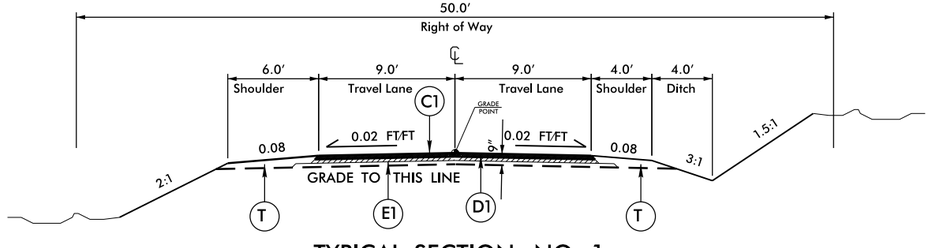
PROJECT REFERENCE NO.	SHEET NO.
WA-1526B	2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



16'–18' EXISTING TYPICAL SECTION
SR 1526B



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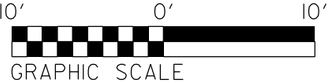

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
WA-1526b	3-A

Revised 6/18/2014

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

NEW PIPES											EXISTING PIPES											
		BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE)																				
SIZE	LOCATION (LT, RT, OR CL)'	12"	15"	18"	24"	30"	36"	42"	48"		12"	15"	18"	24"	30"	36"	42"	48"	PIPE REMOVAL	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATE STD. 840.16	J.B. STD. 840.31 OR 840.32	REMARKS
TYPE																							
STATION																							
																			0				
~~12+09~~	RT		30'																0				ADD DRIVE PIPE
~~14+77~~	CL																		0				10" HDPE WET DO NOT DISTURB
~~15+19~~	RT		30'																0				ADD DRIVE PIPE
																			0				
~~15+42~~	CL				40'									30'					30				REPLACE JURISDICTIONAL WET
																			0				
~~16+31~~	RT		30'																0				ADD DRIVE PIPE
																			0				
~~24+00~~	CL																		0				DO NOT DISTURB
																			0				
~~27+75~~	LT		30'																0				ADD DRIVE PIPE
																			0				
~~30+48~~	LT		30'																0				ADD DRIVE PIPE
																			0				
~~30+74~~	RT		30'																0				ADD DRIVE PIPE
																			0				
~~32+97~~	CL			50'									45'						45				REPLACE
																			0				
~~36+90~~	CL			50'															0				ADDITION
																			0				
~~36+95~~	LT												30'						30				REMOVE DRIVE PIPE
																			0				
~~43+17~~	CL																		0				DO NOT DISTURB WET
																			0				
~~51+52~~	LT		30'										30'						30				REPLACE DRIVE PIPE
																			0				
~~52+15~~	CL																		0				DO NOT DISTURB WET
																			0				
~~55+30~~	CL			45'									35'						35				REPLACE
																			0				
60+14	CL																		0				DO NOT DISTURB WET
																			0				
64+20	CL			50'															0				ADDITION
																			0				
69+88	CL																		0				DO NOT DISTURB WET
80+19	CL																		0				RETAIN if in good shape
82+50	CL																		0				DO NOT DISTURB WET
86+70	LT		30'									25'							25				REPLACE
89+39	CL			40'									30'						30				REPLACE
91+81	LT		40'									40'											REPLACE DRIVE PIPE
92+38	CL				45'									25'					25				REPLACE JURISDIC WET@ 92+41
97+22	CL			40'									30'						30				REPLACE
101+12	LT		30'																0				ADDITION
103+80	CL			60'															0				ADDITION
108+50	CL			150'															0				ADDITION
113+30	CL			50'															0				ADDITION
116+25	CL				50'														0				ADDITION
119+63	CL						50'							30'					30				REPLACE JURISDICTIONAL WET
~~120+21~~	CL			20'									45'						45				REPLACE JURISDICTIONAL WET
~~122+40~~	CL				120'														0				ADDITION
~~125+96~~	CL			60'									40'						40				REPLACE
~~127+09~~	LT		30'									20'							20				REPLACE DRIVE PIPE
~~129+89~~	LT		30'																0				REPLACE DRIVE PIPE
~~131+64~~	CL			60'									25'						25				REPLACE
~~134+19~~	CL			50'									30'						30				REPLACE
SHEET TOTALS		0	280	575	0	0	50	0	0	**1160**	0	85	310	0	0	0	0	0	**470**				

PROJECT REFERENCE NO.	SHEET NO.
SR-1526B	EC-3B
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	*STABILIZATION TIME*	*TIMEFRAME EXCEPTIONS*
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) 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 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

PROJECT REFERENCE NO.	SHEET NO.
11c.095102	11
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS 8/17/99

7 EDWARD H WATSON
861/724

15 CALLIE BEAL
270/689

55+00
56+00
57+00
58+00
59+00
60+00
61+00

MATCHLINE**54+95

18" CSP
18" CMP

JOE'S CREEK

+73
16.8

+23
22.2

+88
24.7

5.0'
18'

C92.8
156.2

C92.8
23.8

F0.0
15.0

+20

-4.0%

11'1"x7'9" CMAP

RETAIN

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

MATCHLINE**61+65

14 STEPHEN A PHILYAW
888/148

+27

C59.3
106.0

C144.0
233.0

C30.1
62.2

C36.3
71.5

16 TERRY R NELSON
235/614
149/486

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PROJECT REFERENCE NO.	SHEET NO.
11c.095102	12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

7 EDWARD H WATSON
861/724

C123.0
201.5

C99.4
166.1

62+00

63+00

64+00

65+00

66+00

67+00

68+00

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

C60.2
107.3

MATCHLINE**61+65

+43

30 Day option

9 x 3 x 3
2 ft. weir
ID 12.1

5 - 18" Wattles @ 67'

L

R

W

-4.0%

18" CSP

+38
19.0

+09

JOE'S CREEK

No Embankment Construction
Sta 60+00 to 65+00 Rt.

16 TERRY R NELSON
235/614
149/486

16 TERRY R NELSON
235/614
149/486

17 REBA COBB
785/133

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

C1.0
18.5

C0.0
17.0

C8.2
29.0

C4.0
23.0

3 - 18" Wattles @ 125'

-2.0%

SR1526B
SAMPSON ROAD

F2.3
19.6

F3.2
21.4

+80
13.9

F5.4
25.8

10 x 5 x 3
2 ft. weir
ID 12.2

MATCHLINE**68+35

17 REBA COBB
785/133

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PROJECT REFERENCE NO.	SHEET NO.
11c.095102	13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

17 REBA COBB
785/133

18 RICHARD D ROWE
203/573

69+00 70+00 71+00 72+00 73+00 74+00 75+00

9 x 3 x 3
2 ft. weir
ID 13.1

No Embankment Construction
Sta 69+00 to 81+00 Lt.

Cl.0
18.5

+68

+71 Soil

+82
21.7

JOE'S CREEK

MATCHLINE**68+35

C

-2.0%

5.0'

1.8'

F0.0
15.0

+68

(2) 117"x79" CMAP
RETAIN

F0.0
15.0

No Embankment Construction
Sta 69+00 to 71+00 Rt.

REBA COBB
785/133

16 TERRY R NELSON
235/614
149/486

-2.0%

F2.5
20.0

+58
17.1

9 x 3 x 3
2 ft. weir
ID 13.2

+82 Gravel Dr

+72

+74
30.3

F0.0
15.0

+43
7.0

F0.0
15.0

No Embankment Construction
Sta 73+00 to 74+00 Rt.

Cl.3
19.0

Soil Drwy

MATCHLINE**75+05

19 JOHN C ROBERTS
079/386

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PROJECT REFERENCE NO.	SHEET NO.
11c.095102	14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

22 JERRY KEITH ADKINS
BRIAN CHRISTOPHER ADKINS
498/163

18 RICHARD D ROWE
203/573

76+00

77+00

78+00

79+00

80+00

81+00

+30

WATSON DR.

+71 Gravel

MATCHLINE**75+05

MATCHLINE**81+75

No Embankment Construction
Sta 69+00 to 81+00 Lt.

2 - 18" Wattles @ 133'

+85
18.2

C2.8
21.2

SR1526B
SAMPSON ROAD

C1.0
18.5

G

S

2.0%

JOE'S CREEK

BRIDGE #373

+84 Gravel

18" CMP

RETAIN

153' Gravel

+67
13.6
ROAD SIGN

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

C1.6
19.4

+20
27.4

9 x 3 x 3
2 ft. weir
ID 14.1

ROCK RETAINING WALL

+32
13.3

+64
19.0

+55

No Embankment Construction
Sta 78+00 to 82+00 Rt.

21 TED M COBB
360/595

19 JOHN C ROBERTS
079/386

20 DORIS T NELSON
379/381

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PROJECT REFERENCE NO.	SHEET NO.
11c.095102	15
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

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INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

9 x 3 x 3
2 ft. weir
ID 15.1

9 x 3 x 3
2 ft. weir
ID 15.2

9 x 3 x 3
2 ft. weir
ID 15.4

2 - 18" Wattles @ 16'

TONY'S BRANCH

15" CSP

15" CMP

MATCHLINE**81+75

MATCHLINE**88+45

No Embankment Construction
Sta 86+00 to 89+00 Lt.

+2.0%

-1.0%

+88 Gravel

+26 Gravel

+48

+55

+75

82+00

83+00

84+00

85+00

86+00

87+00

88+00

23 DOYLE J & JANET A CRUMP
0/0

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

25 BERNICE WATSON
0/0

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

PROJECT REFERENCE NO.	SHEET NO.
11c.095102	16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

25 BERNICE WATSON
0/0

26 STANLEY L COFFEY
169/522

MATCHLINE**88+45

SR1526B1 SAMPSON ROAD

No Embankment Construction
Sta 86+00 to 89+00 Lt.

00+68

90+00

91+00

92+00

93+00

94+00

95+00

MATCHLINE**95+15

+41

+92
29.4
OAK

C0.0
17.0

9 x 3 x 3
2 ft. weir
ID 16.7

F10.6
36.2

18" RCP

C12.4
35.6

2 - 18" Waffles @ 100'

C0.0
17.0

9 x 3 x 3
2 ft. weir
ID 16.2

15" CSP

+81 Gravel

C3
22.1

12" STREAM

9 x 3 x 3
2 ft. weir
ID 16.5

+97

F1.3
17.6

15" CMP

3.0%

18" RCP

24" CSP

F0.0
15.0

9 x 3 x 3
2 ft. weir
ID 16.1

C3.0
21.5

F1.5
19.0

9 x 3 x 3
2 ft. weir
ID 16.4

+32 Gravel

+00

9 x 3 x 3
2 ft. weir
ID 16.3

F1.8
18.6

F2.4
19.8

+82
15.5

+11.0%

+14.0%

C1.0
18.5

+74
27.7

F0.0
15.0

9 x 3 x 3
2 ft. weir
ID 16.6

INSTALL RIPRAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

No Embankment Construction
Sta 92+00 to 94+00 Rt.

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

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PROJECT REFERENCE NO.	SHEET NO.
11c.095102	17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

96+00 97+00 98+00 99+00 100+00 101+00

INSTALL RIPRAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

9 x 3 x 3
2 ft. weir
ID 17.1

9 x 3 x 3
2 ft. weir
ID 17.2

INSTALL RIPRAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

9 x 3 x 3
2 ft. weir
ID 17.4

MATCHLINE**95+15

F1.8 18.6

C2.6 20.9

4 – 18" Wattles @ 11'

+16.0%

13 – 18" Wattles @ 21'

6.0'

8.0'

C1.8 19.7

INSTALL RIPRAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

18" CSP

+12.0%

14 – 18" Wattles @ 24'

C0.8 18.2

F0.0 15.0

+31 11.3

+31 10.4

No Embankment Construction
Sta 97+00 to 99+00 Rt.

C1.0 18.5

C1.0 18.5

+40 18.3

+95 28.5

C1.0 18.5

15" CSP

2 – 18" Wattles @ 50'

+6.0%

+3.0%

F0.0 15.0

C3.6 22.4

F4.6 24.2

9 x 3 x 3
2 ft. weir
ID 17.3

INSTALL PSRM IN THE PROPOSED DITCH LINE.

MATCHLINE**101+85

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

18-JUN-2014 14:22
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PROJECT REFERENCE NO.	SHEET NO.
11c.095102	18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

102+00 103+00 104+00 105+00 106+00 107+00 108+00

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

INSTALL PSRM IN THE PROPOSED DITCH LINE.

9 x 3 x 3
2 ft. weir
ID 18.3

9 x x 3
2 ft. weir
ID 18.8

10 x 5 x 3
2 ft. weir
ID 18.4

10 x 5 x 3
2 ft. weir
ID 18.2

9 x 3 x 3
2 ft. weir
ID 18.5

14 x 7 x 3
2 ft. weir
ID 18.1

10 x 5 x 3
2 ft. weir
ID 18.7

MATCHLINE**101+85

MATCHLINE**108+55

C27.8 / 58.1

C0.0 / 17.0

C19.2 / 45.8

C11.1 / 33.7

C9.6 / 31.4

C1.0 / 18.5

C1.0 / 18.5

F0.0 / 15.0

F4.0 / 24.8

F6.2 / 0.0

F12.8 / 40.6

F40.7 / 42.4

F40.0 / 96.4

F13.8 / 42.6

F4.0 / 87.8

+34 / 20.0

+44

+56 / 13.7

+84 / 4.4

+72 / 33.1

+73 / 55.3

+45 Gravel

+94

+13 Soil

2 - 18" Wattles @ 88'

10 - 18" Wattles @ 39'

8 - 18" Wattles @ 22'

SR1526B
SAMPSON ROAD

+7.0%

+8.0%

+9.0%

+2.0%

+3.0%

8" CSP

5.0'

8'

ROAD SIGN

High Peak Rd.

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

34 TOYE S HOLDEN
1128/147

REVISIONS

8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
11c.095102	19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS 8/17/99

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

MATCHLINE**108+55

18" CSP

ABANDON

F12.5
40.0

F12.5
0.0

F23.0
0.0

F1.0
37.0

9 x 3 x 3
2 ft. weir
ID 19.4

+28
3.7

C22.4
50.6

C31.1
63.7

C24.9
54.4

C21.4
0.0

C33.7
0.0

C18.5
0.0

8 - 18" Wattles @ 22'

13 - 18" Wattles @ 26'

-12.0%

C15.8
40.7

C23.0
51.5

C10.2
32.3

INSTALL RIPRAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

INSTALL RIPRAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

12 x 4 x 3
2 ft. weir
ID 19.1

+27
67.0

TOYE S HOLDEN
1128/147

ABANDON

+20
134.4

34 TOYE S HOLDEN
1128/147

00+601

+50

110+00

111+00

112+00

113+00

114+00

115+00

C43.1
81.8

C41.9
79.9

9 x 3 x 3
2 ft. weir
ID 19.3

30 Day Option

C26.0
56.0

C27.8
58.7

8 - 18" Wattles @ 30'

2 - 18" Wattles @ 28'

18" CSP

-11.0%

+47
16.6

C2.4
20.6

F1.9
18.8

9 x 3 x 3
2 ft. weir
ID 19.2

INSTALL PSRM IN THE PROPOSED DITCH LINE.

F0.0
15.0

F0.0
15.0

+98

No Embankment Construction
Sta 112+00 to 113+00 Rt.

MATCHLINE**115+25

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

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PROJECT REFERENCE NO.	SHEET NO.
11c.095102	20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

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117+00

118+00

119+00

120+00

121+00

24

OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

9 x 3 x 3
2 ft. weir
ID 20.3

C10.2
32.3

C0.0
17.0

C

2 - 18" Wattles @ 67'

SR1526B -4.0%

SAMPSON ROAD

5.0'

18'

WET DITCH

C2.2
20.3

ROAD SIGN

Triplette Creek

2' STREAM

+64
32.3

DUGGER FIRE TOWER RD. +81 Gravel

+96
39.8

27 TONY WAYNE HALL
365/315

+20

8' STREAM

Begin Gap Section
EOP Sta 121+00

36" CSP

24" CMP

18" ECP

C29.4
61.1

C

F

T

+84
11.0

F0.0
15.0

3 POWER BOXES

F0.0
15.0

+20

18' STREAM

+66
17.5

F7.4
29.8

TOYE S HOLDEN
1128/147

34

MATCHLINE**121+95

WET DITCH

24" CSP

-7.0%

F3.0
21.0

14 x 7 x 3
2 ft. weir
ID 20.2

F3.7
23.4

24 OWEN COFFEY FAMILY TRUST
BETTY M COFFEY (TRUSTEE)
DOUGLAS OWEN COFFEY (TRUSTEE)
1342/269

30 Day Option

00+911

9 x 3 x 3
2 ft. weir
ID 20.1

C0.0
17.0

F2.2
19.4

+81
15.1

18'

5.0'

-9.0%

+36
14.1

INSTALL RIPRAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

MATCHLINE**115+25

PROJECT REFERENCE NO.	SHEET NO.
IIC.095102 (CONST)	SHEET 1 OF 2
R/W SHEET NO.	16
ROADWAY DESIGN ENGINEER DATE: 6-17-14	HYDRAULICS ENGINEER

STREAM NAME: Un-named tributary to Joe's Creek (INDEX 12-19-11)
RATING: C;Tr 2ft Stream

EXISTING PIPE SIZE: 25' x 24"
NEW PIPE SIZE: 45' x 24"
PIPE TO BE LAID ON A 90 SKEW WITH 2% FALL

91+00
92+00
93+00
12" STREAM
15" CSP
15" CMP
24" CSP
24" RCP
RW
RW
50'
18'
12" STREAM
SR 1526B SAMPSON RD.
WET PIPE SURVEY STA. 92+38

50'
6'
9'
9'
6'

REVISIONS

8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
IIC.095102 (CONST)	SHEET 2 OF 2
R/W SHEET NO.	20
ROADWAY DESIGN ENGINEER DATE: 6-17-14	HYDRAULICS ENGINEER

STREAM NAME: Triplette Creek (INDEX 12-19-11-3)
RATING: C;Tr 2ft Stream
EXISTING PIPE SIZE: 30' x 24"
NEW PIPE SIZE: 50' x 36"
PIPE TO BE LAID ON A 69° SKEW WITH 2% FALL

118+00
119+00
120+00
121+00
Triplette Creek
2' STREAM
RD. +81 Gravel
8" STREAM
Begin Gap S
EOP Sta 121+
WET DITCH
SR1526B
SAMPSON ROAD
50'
18'
24" CMP
36" CSP
8" PCP
18" CSP
RW
RW
SR 1526B SAMPSON RD.
WET PIPE SURVEY STA. 119+63
50'
6'
9'
9'
6'

REVISIONS
8/17/99
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