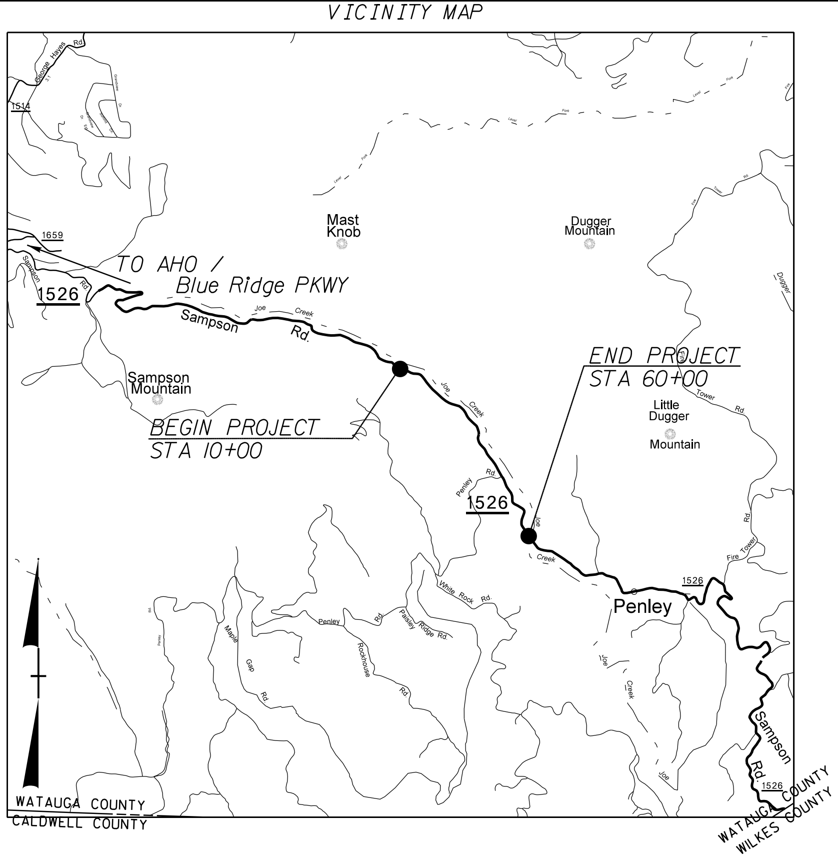
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	11C.095102	EC-1	19

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

VICINITY MAP



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WATAUGA COUNTY

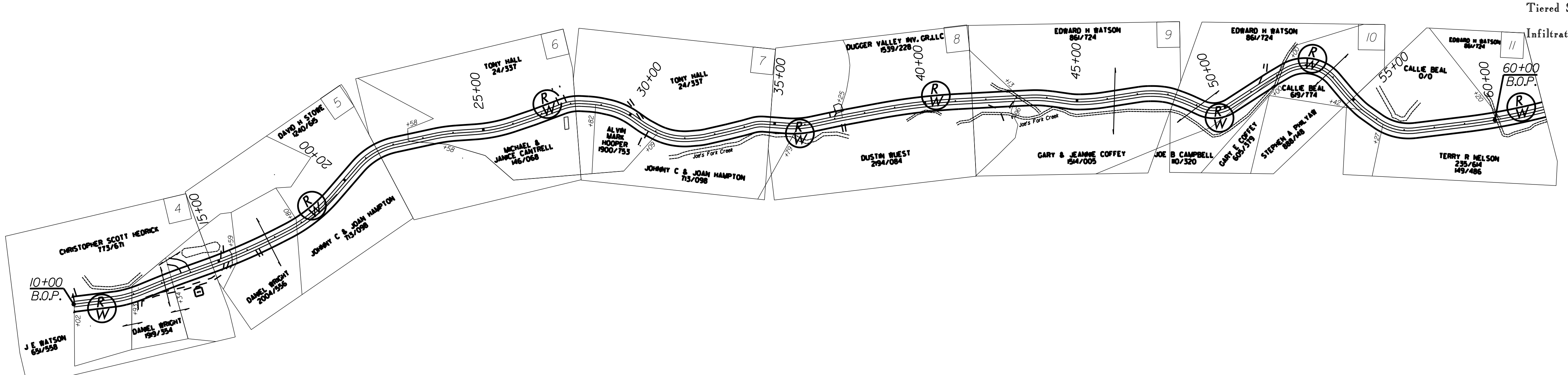
LOCATION: SR 1526B SAMPSON RD
FROM POINT 0.95 MILES TO POINT
B.O.P STA 10+00 TO E.O.P. STA. 60+00

TYPE OF WORK: GRADING, DRAINAGE, BASE AND PAVING – 0.95 MILES

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	BW / 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.



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

2018 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
1605.01 Temporary Silt Fence
1606.01 Special Sediment Control Fence
1607.01 Gravel Construction Entrance
1622.01 Temporary Berms and Slope Drains
1630.01 Riser Basin
1630.02 Silt Basin Type B
1630.03 Temporary Silt Ditch
1630.04 Stilling Basin
1630.05 Temporary Diversion
1630.06 Special Stilling Basin
1631.01 Matting Installation
1632.01 Rock Inlet Sediment Trap Type A
1632.02 Rock Inlet Sediment Trap Type B
1632.03 Rock Inlet Sediment Trap Type C
1633.01 Temporary Rock Silt Check Type A
1633.02 Temporary Rock Silt Check Type B
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
1640.01 Coir Fiber Baffle
1645.01 Temporary Stream Crossing

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04/16/11

PROJECT REFERENCE NO.	SHEET NO.
IIC.095102	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.

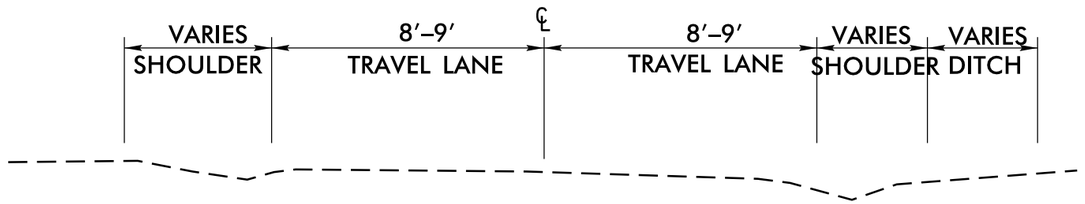
PAM is to be placed on all Type A checks and wattles in the erosion control chain except for the final device in HWQ and Trout projects.

GROUND STABILIZATION CHART

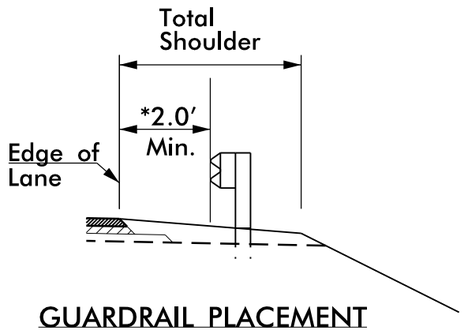
Site Area Description	Stabilization Time Frame	Stabilization Time Frame Exceptions
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10 ft. or less in length and are not steeper than 2:1, 14 days are allowed
Slopes 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)

6/2/99

PROJECT REFERENCE NO.	SHEET NO.
IIC.095102	2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

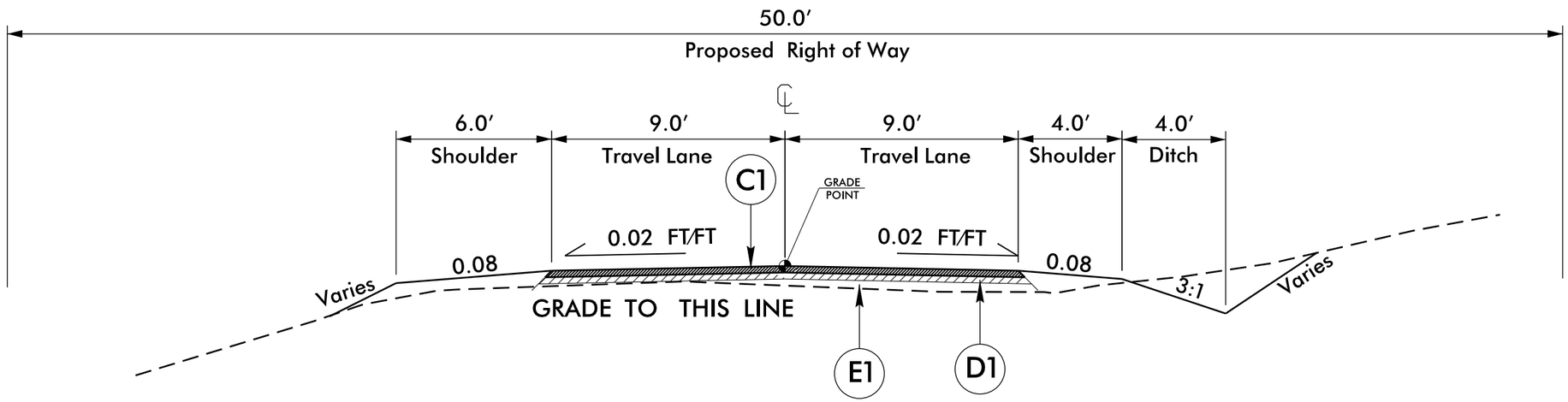


16′–18′ EXISTING TYPICAL SECTION



GUARDRAIL PLACEMENT

*GUARDRAIL LOCATIONS
DIRECTED BY THE ENGINEER



TYPICAL SECTION NO. 1

C1	PROP. ASPHALT SURFACE TREATMENT (TRIPLE SEAL).
D1	PROP. APPROX. 3″ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 6″ AGGREGATE BASE COURSE.

5′ 0′ 5′
GRAPHIC SCALE

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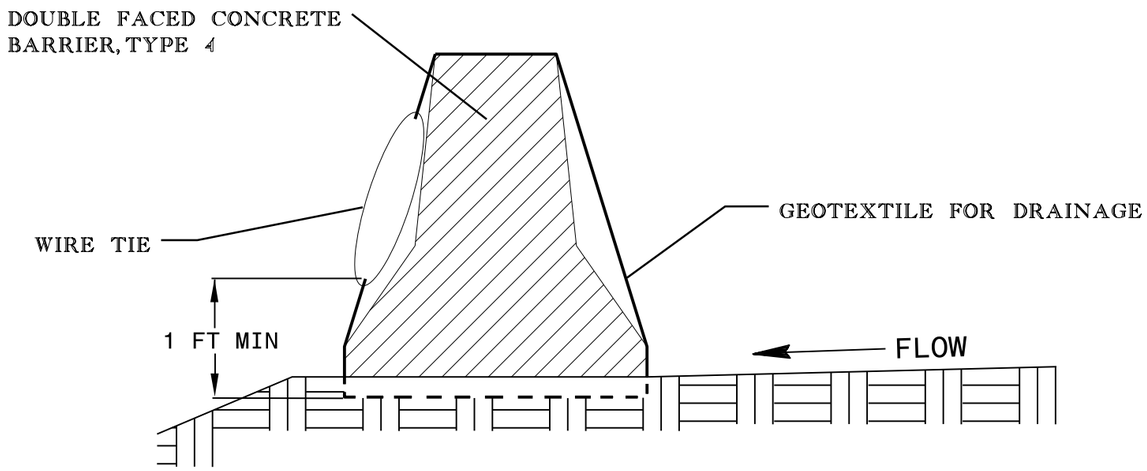
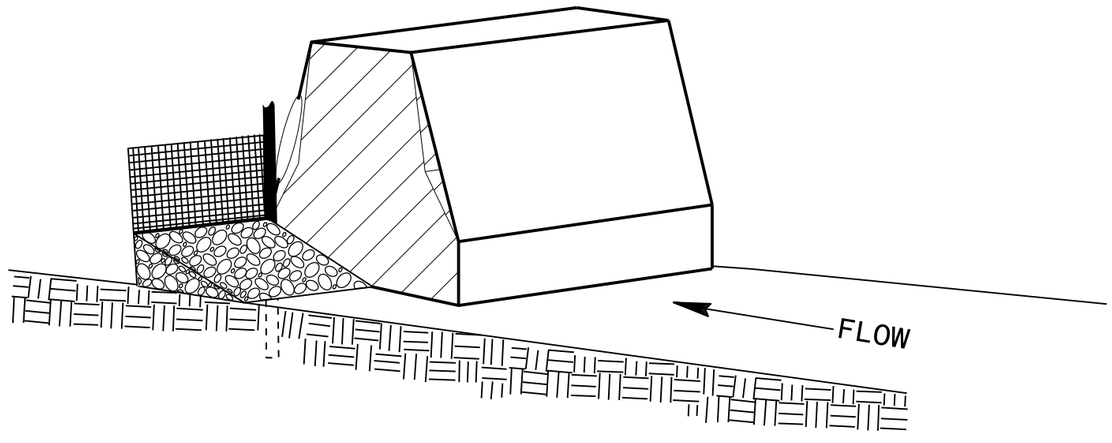
PROJECT REFERENCE NO.	SHEET NO.
11C.095102	EC-2D
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY CONCRETE BARRIER REINFORCED SILT FENCE





GENERAL NOTES:

CLEAR STONE OR OTHER OBSTRUCTION TO CREATE A SEAL BETWEEN GEOTEXTILE AND THE GROUND.

PLACE GEOTEXTILE IN LOCATIONS SHOWN OR AS DIRECTED. PLACE DOUBLE FACED CONCRETE BARRIER ON TOP OF GEOTEXTILE WITH A MINIMUM 1 FOOT FROM THE BACK EDGE.

WRAP GEOTEXTILE AROUND CONRETE BARRIER AND SECURE THE ENDS WITH A WIRE TIE OR OTHER APPROVED FASTENER.

ADD STONE FOR EROSION CONTROL AT JUNCTION OF TEMPORARY CONCRETE BARRIER REINFORCED SILT FENCE AND SPECIAL SEDIMENT CONTROL FENCE TO KEEP RUNOFF FROM PASSING DIRECTLY THROUGH ANY GAPS.

PROJECT REFERENCE NO.	SHEET NO.
IIC.095102	EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
9	-L-	36+93	43+01	LT	445
9	-L-	40+25	42+00	RT	130
10	-L-	43+50	52+12	LT	85
11	-L-	52+01	55+28	RT	240
11	-L-	55+28	60+00	RT	345
				SUBTOTAL	1245
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					
				TOTAL	1245
				SAY	1245

PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
5	-L-	10+00	15+42	RT	395
6	-L-	15+42	24+00	RT	625
7	-L-	24+00	32+93	LT	650
7	-L-	29+49	31+50	RT	150
8	-L-	32+93	36+93	LT	295
				SUBTOTAL	2115
		ADDITIONAL PSRM TO BE INSTALLED			
				TOTAL	2115
				SAY	2115

PROJECT REFERENCE NO.	SHEET NO.
IIC.095102	EC-3B
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

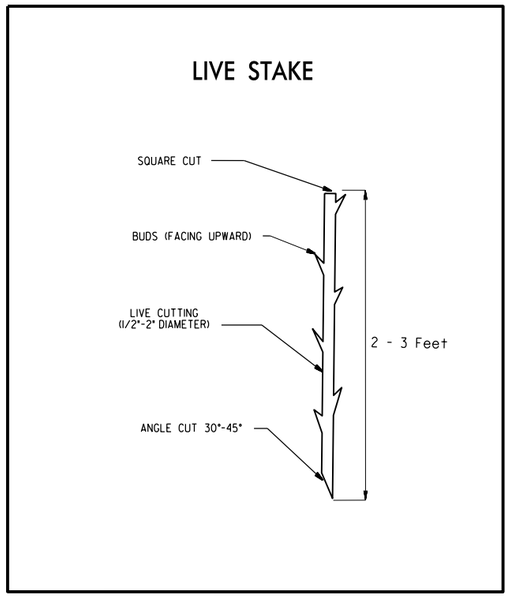
SOIL STABILIZATION TIMEFRAMES

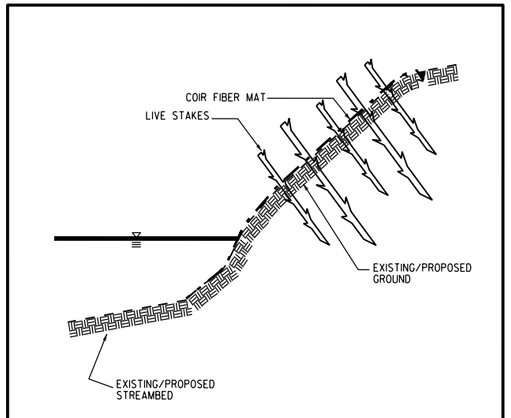
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	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	RF-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PLANTING DETAILS

LIVE STAKES PLANTING DETAIL

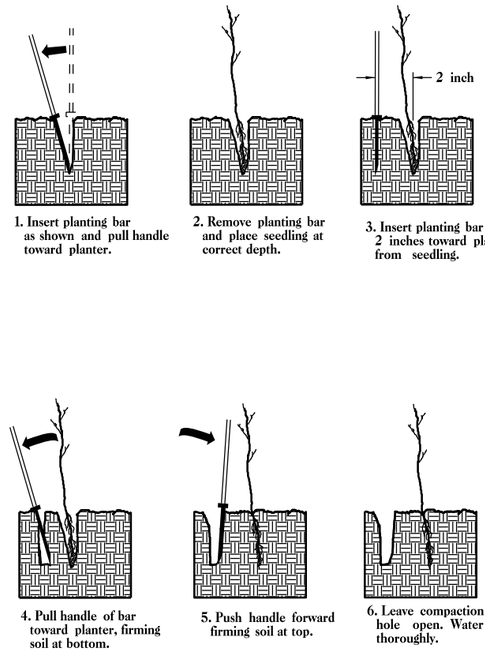




BANK STABILIZATION WITH LIVE STAKES

NOTE:
LIVE STAKES SHALL BE SPACED APPROXIMATELY 4 FEET ON CENTER
LIVE STAKES SHALL BE DRIVEN UNTIL APPROXIMATELY 3/4 OF LIVE STAKE IS WITHIN GROUND

BAREROOT PLANTING DETAIL DIBBLE PLANTING METHOD USING THE KBC PLANTING BAR



PLANTING NOTES:

PLANTING BAG
During planting, seedlings shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.

KBC PLANTING BAR
Planting bar shall have a blade with a triangular cross section, and shall be 12 inches long, 4 inches wide and 1 inch thick at center.

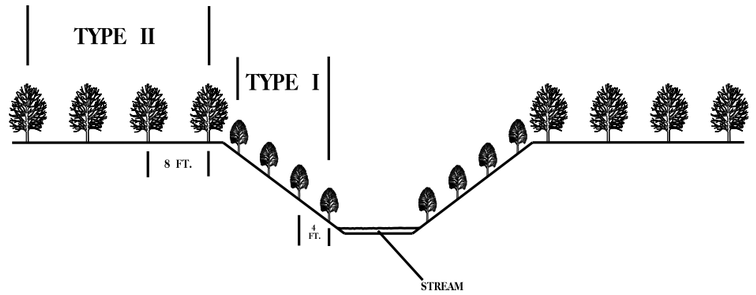
ROOT PRUNING
All seedlings shall be root pruned, if necessary, so that no roots extend more than 10 inches below the root collar.

☐ TYPE 1 STREAMBANK REFORESTATION SHALL BE PLANTED 3 FT. TO 5 FT. ON CENTER, RANDOM SPACING, AVERAGING 4 FT. ON CENTER, APPROXIMATELY 2724 PLANTS PER ACRE.

☐ TYPE 2 STREAMBANK REFORESTATION SHALL BE PLANTED 6 FT. TO 10 FT. ON CENTER, RANDOM SPACING, AVERAGING 8 FT. ON CENTER, APPROXIMATELY 680 PLANTS PER ACRE.

☐ NOTE: TYPE 1 AND TYPE 2 STREAMBANK REFORESTATION SHALL BE PAID FOR AS "STREAMBANK REFORESTATION"

STREAMBANK REFORESTATION TYPICAL



STREAMBANK REFORESTATION

MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:

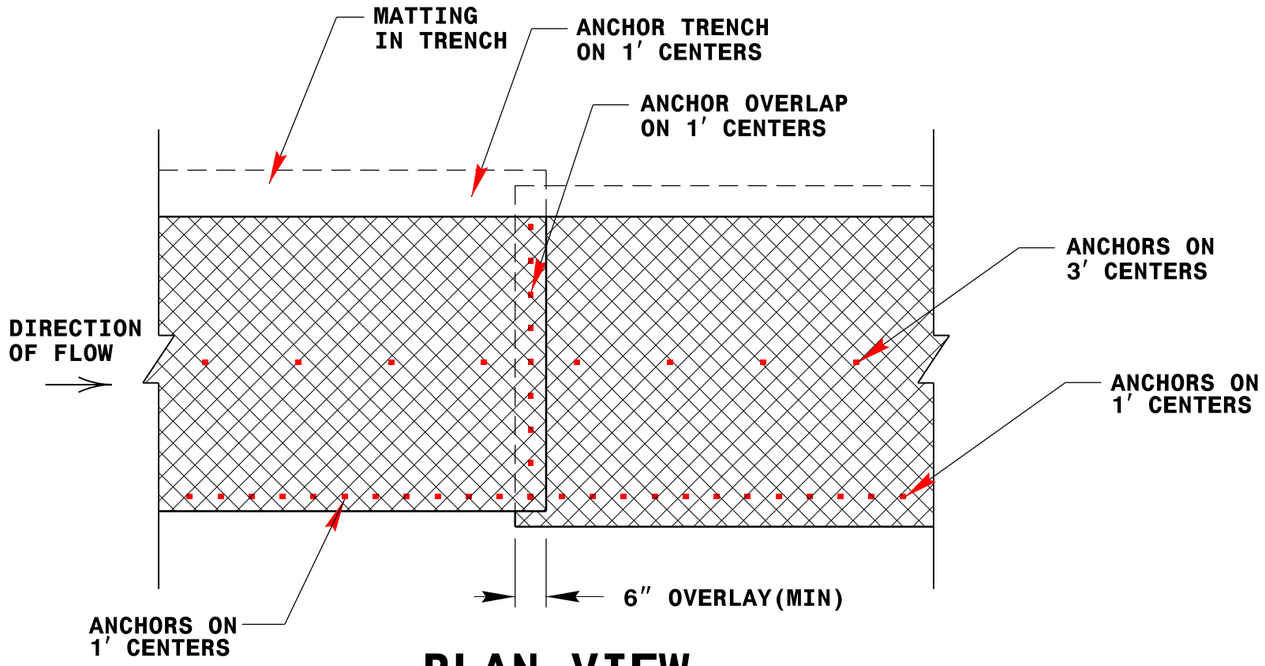
TYPE 1			
50%	SALIX NIGRA	BLACK WILLOW	2 ft – 3 ft LIVE STAKES
50%	CORNUS AMOMUM	SILKY DOGWOOD	2 ft – 3 ft LIVE STAKES
TYPE 2			
25%	LIRIODENDRON TULIPIFERA	TULIP POPLAR	12 in – 18 in BR
25%	PLATANUS OCCIDENTALIS	SYCAMORE	12 in – 18 in BR
25%	PRUNUS SEROTINA	BLACK CHERRY	12 in – 18 in BR
25%	BETULA NIGRA	RIVER BIRCH	12 in – 18 in BR

☐ SEE PLAN SHEETS FOR AREAS TO BE PLANTED

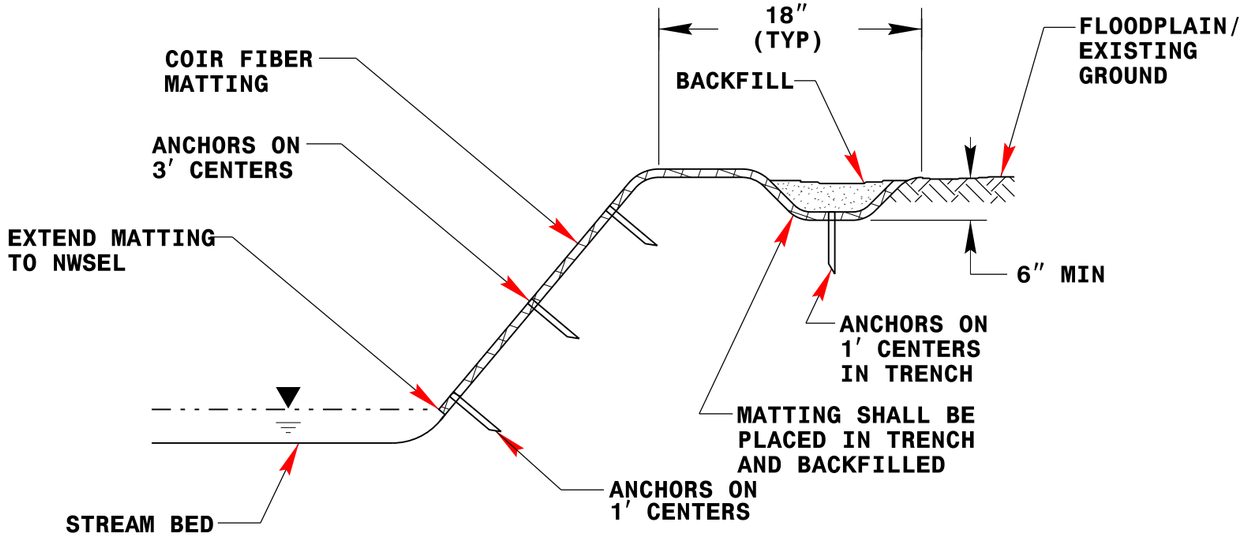
STREAMBANK REFORESTATION DETAIL SHEET 1 OF 2

N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT

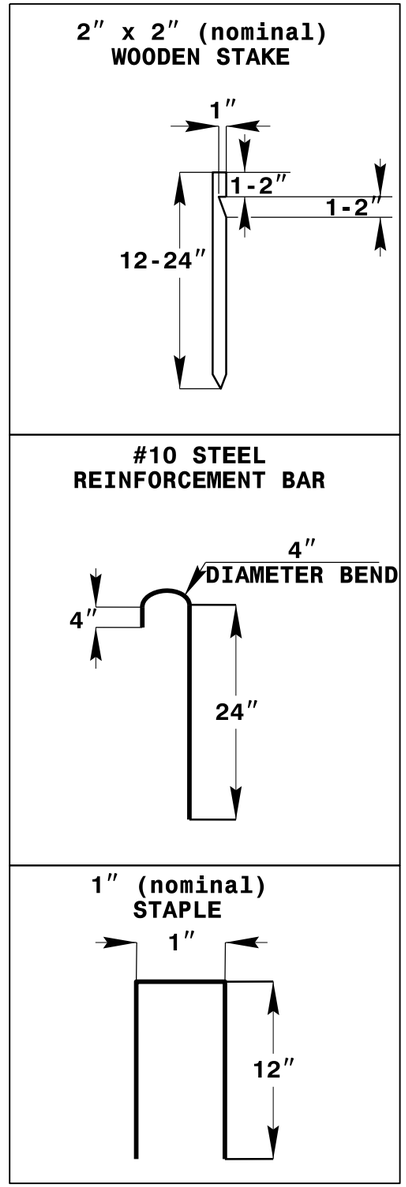
PROJECT REFERENCE NO.	SHEET NO.
IIC.095102	RF-3
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



PLAN VIEW



TYPICAL CROSS SECTION



ANCHOR OPTIONS

COIR FIBER MATTING DETAIL

NOT TO SCALE

STREAMBANK REFORESTATION

DETAIL SHEET 2 OF 2

N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT

6/21/00

COMPUTED BY: T. Elliott DATE: 01/04/2022
CHECKED BY: J. Combs DATE: 01/04/2022

PROJECT REFERENCE NO.	SHEET NO.
11C.095102	3C

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

STATION	LOCATION (LT,RT, OR CL)		TYPE B DRAINAGE PIPE (RCP, CSP, CAAP, HDDE OR PVC) (UNLESS NOTED OTHERWISE) NEW PIPES SIZE 12"	15"	18"	24"	30"	36"	42"	48"		EXISTING PIPES SIZE 10"	15"	18"	24"	30"	36"	42"	48"		PIPE REMOVAL LIN.FT.	J.B STD. 840.31	F & G STD. 840.37	REMARKS
–L– 12+09	RT			30′																				ADD DRIVE PIPE
–L– 14+77	CL											124′												DO NOT DISTURB 10" HDPE WET PIPE
–L– 15+19	RT			30′																				ADD DRIVE PIPE
–L– 15+42	CL														35′									DO NOT DISTURB WET PIPE
–L– 16+31	RT			30′																				ADD DRIVE PIPE
–L– 24+00	CL																							DO NOT DISTURB PIPE
–L– 27+65	LT			30′																				ADD DRIVE PIPE
–L– 30+48	LT											15′									15′			REMOVE DRIVE PIPE
–L– 30+74	RT			30′																				ADD DRIVE PIPE
–L– 32+97	CL				50′									45′							45′			REPLACE PIPE
–L– 36+81	CL				50′																			ADD PIPE
–L– 36+95	LT													30′							30′			REMOVE DRAIN PIPE
–L– 43+17	CL																							DO NOT DISTURB WET PIPE
–L– 51+52	LT			30′										30′							30′			REPLACE DRIVE PIPE
–L– 52+15	CL																							DO NOT DISTURB WET PIPE
–L– 53+30	CL				45′									35′							35′			REPLACE PIPE
–L– 60+09	CL																							DO NOT DISTURB WET PIPE
SHEET TOTALS				180′	145′							139′		140′	35′						155′			

PROJECT REFERENCE NO.	SHEET NO.
11C.095102	EC-4
R/W SHEET NO.	4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

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No Embankment Construction
Sta 10+00 to 16+00 Lt.

10+00

11+00

12+00

13+00

14+00

10+00 B.O.P.

10+00.00
25.00

10+00.00
25.00

+09 Gravel

JOE'S CREEK

JOE'S CREEK

JOE'S CREEK

EXISTING R/W

SR 1526B
SAMPSON ROAD

50'

18'

EXISTING R/W

+02

+93

+93

+09 Gravel

15" CSP

POND

+85 Soil

MATCHLINE**14+75

-4.98%

SATELLITE DISH

HEMLOCK HEDGE

Gravel

Gravel

ISFD

WELL

+34

1

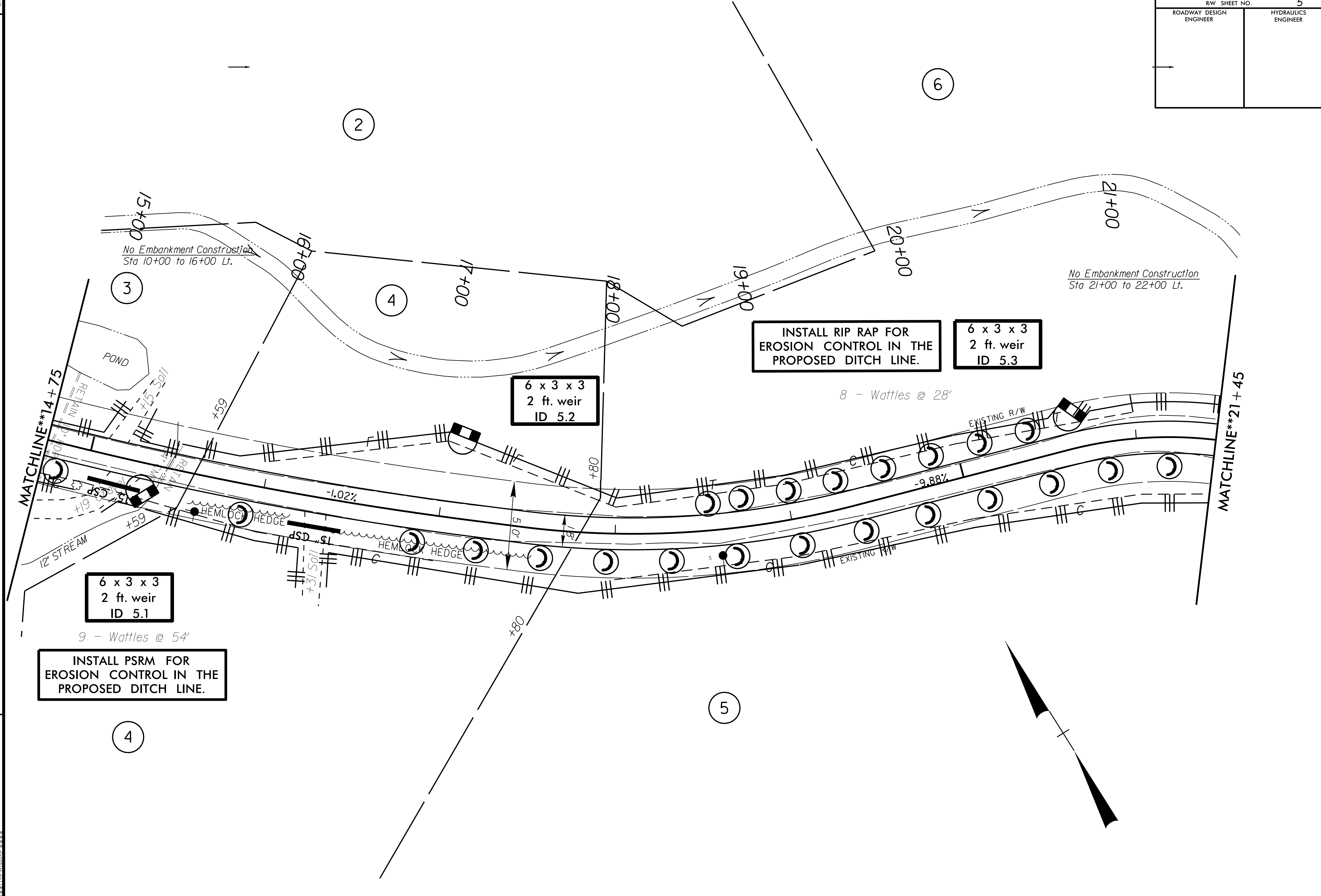
2

3

3

3

PROJECT REFERENCE NO.	SHEET NO.
11C.095102	EC-5
R/W SHEET NO.	5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



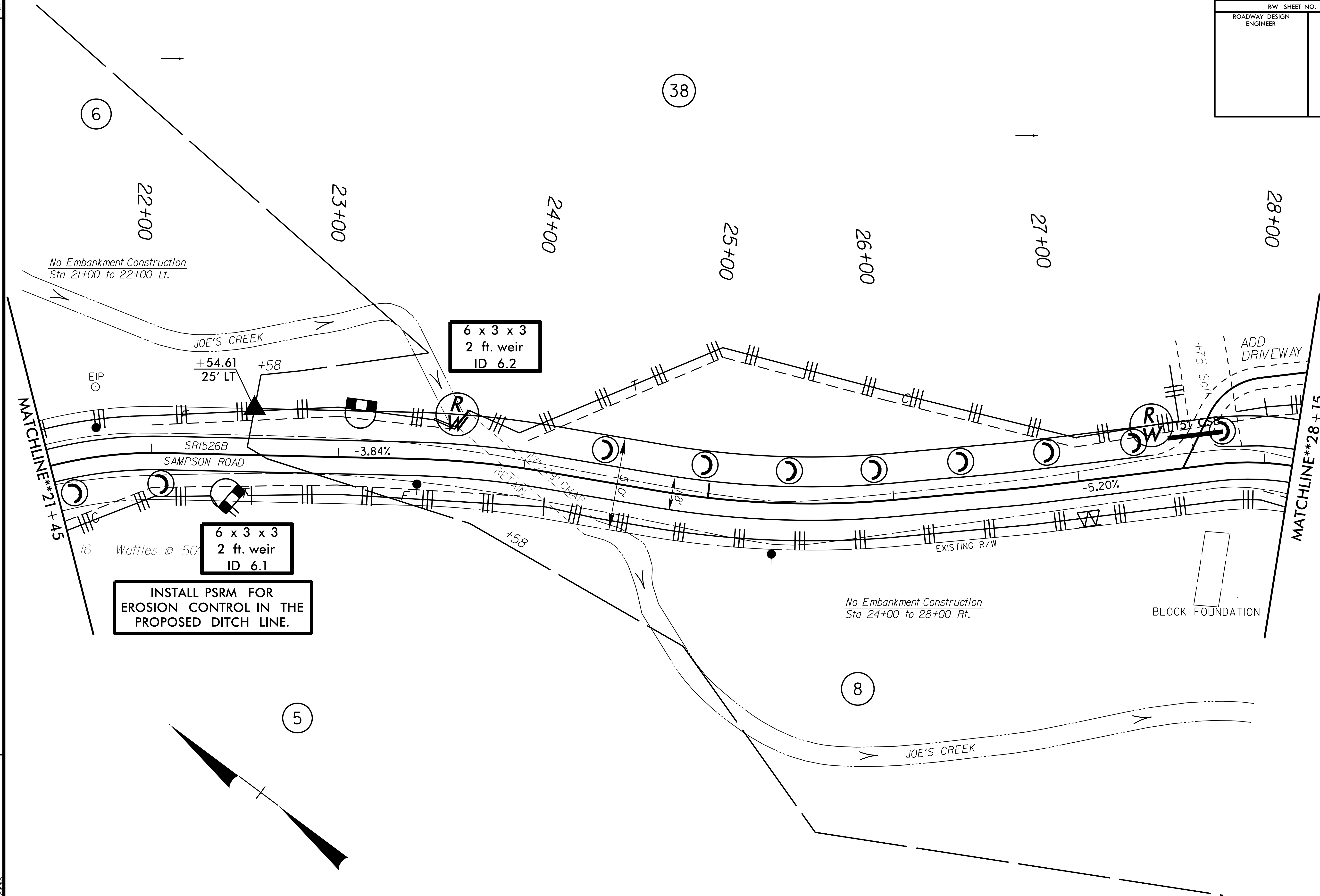
No Embankment Construction
Sta 10+00 to 16+00 Lt.
No Embankment Construction
Sta 21+00 to 22+00 Lt.
15+00
16+00
17+00
18+00
19+00
20+00
21+00
POND
MATCHLINE**14+75
MATCHLINE**21+45
6 x 3 x 3
2 ft. weir
ID 5.1
6 x 3 x 3
2 ft. weir
ID 5.2
6 x 3 x 3
2 ft. weir
ID 5.3
INSTALL RIP RAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
INSTALL PSRM FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
9 - Wattles @ 54'
8 - Wattles @ 28'
HEMLOCK HEDGE
15" CSP
12' STREAM
-1.02%
-9.88%
EXISTING R/W
+59
+80

REVISIONS

8/17/99

04-JAN-2023 11:04

PROJECT REFERENCE NO.	SHEET NO.
11C.095102	EC-6
R/W SHEET NO.	6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



6
38
8
5
22+00
23+00
24+00
25+00
26+00
27+00
28+00
No Embankment Construction
Sta 21+00 to 22+00 Lt.
JOE'S CREEK
+54.61
25' LT
+58
6 x 3 x 3
2 ft. weir
ID 6.2
EIP
ADD DRIVEWAY
+75
MATCHLINE**21+45
MATCHLINE**28+15
SR1526B
SAMPSON ROAD
-3.84%
-5.20%
RETAIN
CMAP
16 - Wattles @ 50'
6 x 3 x 3
2 ft. weir
ID 6.1
INSTALL PSRM FOR
EROSION CONTROL IN THE
PROPOSED DITCH LINE.
EXISTING R/W
No Embankment Construction
Sta 24+00 to 28+00 Rt.
BLOCK FOUNDATION
JOE'S CREEK

REVISIONS

7/24/2019 Driveway Addition Sta 27+75 Lt.
New Property Owner Lot number 7.

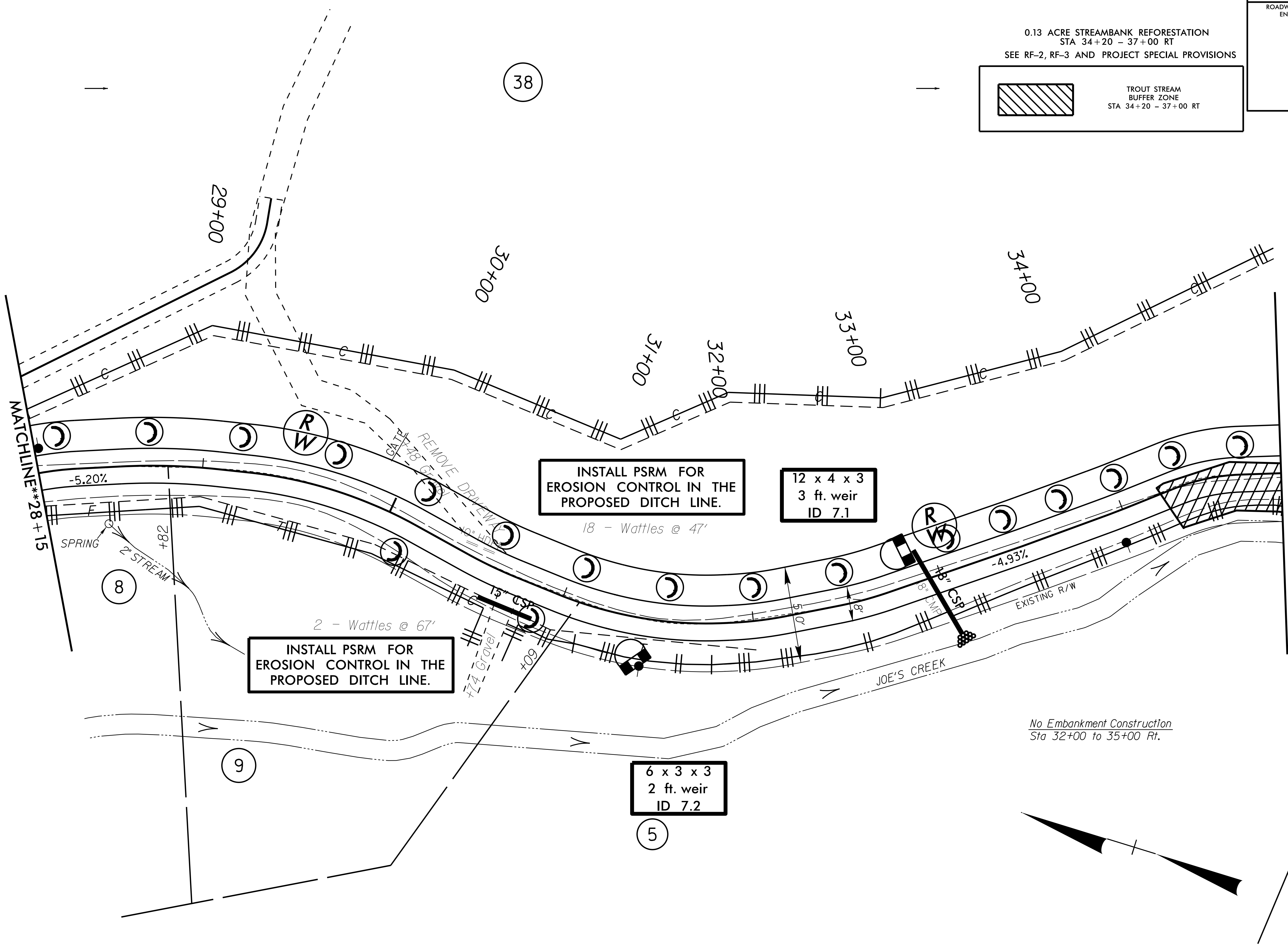
8/17/99

15-NOV-2022 15:44

PROJECT REFERENCE NO.	SHEET NO.
11C.095102	EC-7
R/W SHEET NO.	7
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

0.13 ACRE STREAMBANK REFORESTATION
STA 34+20 – 37+00 RT
SEE RF-2, RF-3 AND PROJECT SPECIAL PROVISIONS

TROUT STREAM BUFFER ZONE
STA 34+20 – 37+00 RT



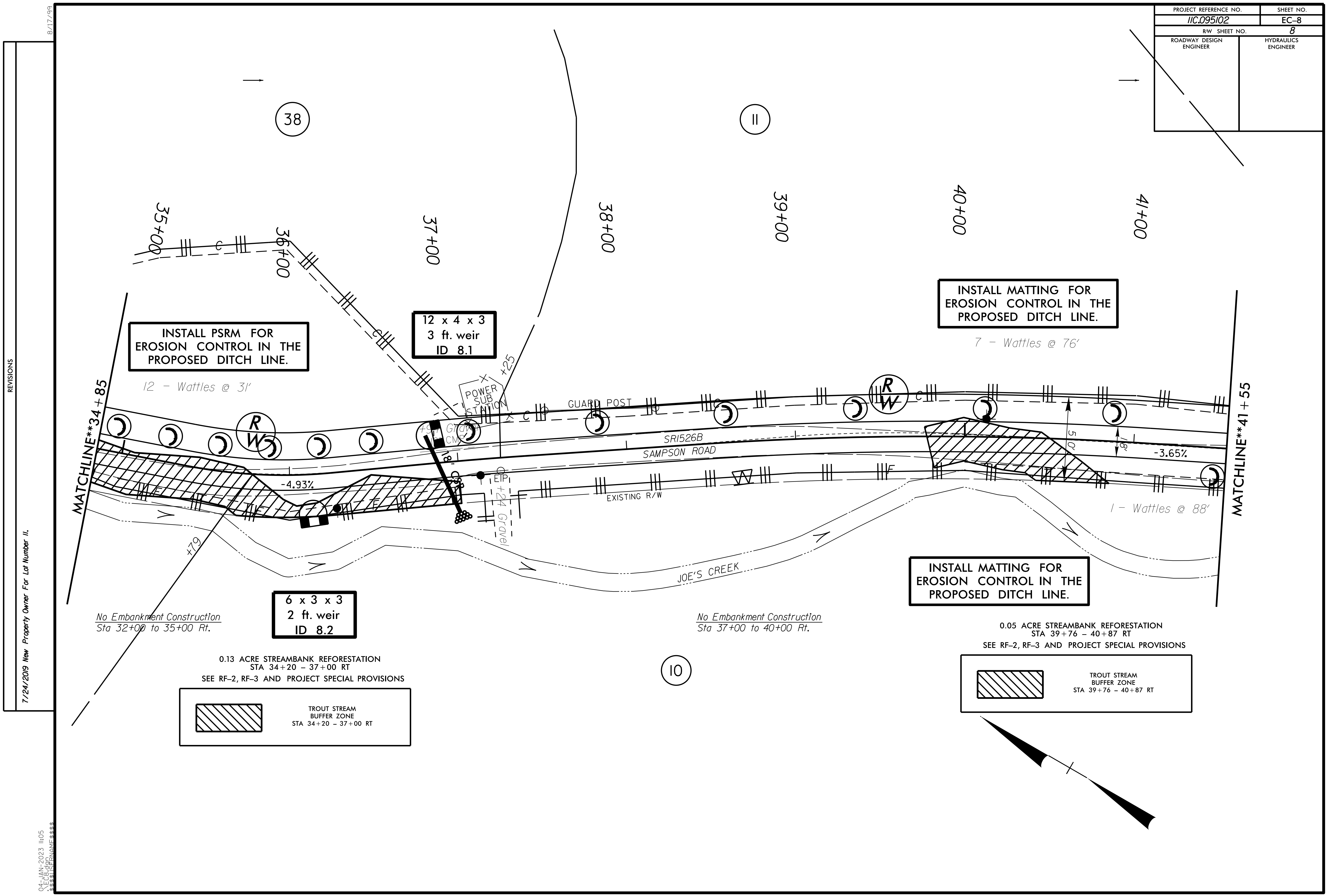
38
29+00
30+00
31+00
32+00
33+00
34+00
MATCHLINE**28+15
MATCHLINE**34+85
-5.20%
-4.93%
SPRING
2" STREAM
+82
8
9
5
REMOVE DRIVEWAY
GATE
INSTALL PSRM FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
18 – Wattles @ 47'
12 x 4 x 3
3 ft. weir
ID 7.1
18" CSP
15" CSP
2 – Wattles @ 67'
INSTALL PSRM FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
+74 Gravel
+09
EXISTING R/W
JOE'S CREEK
6 x 3 x 3
2 ft. weir
ID 7.2
No Embankment Construction
Sta 32+00 to 35+00 Rt.

REVISIONS

7/24/2019 New Property Owner For Lot Number 9.

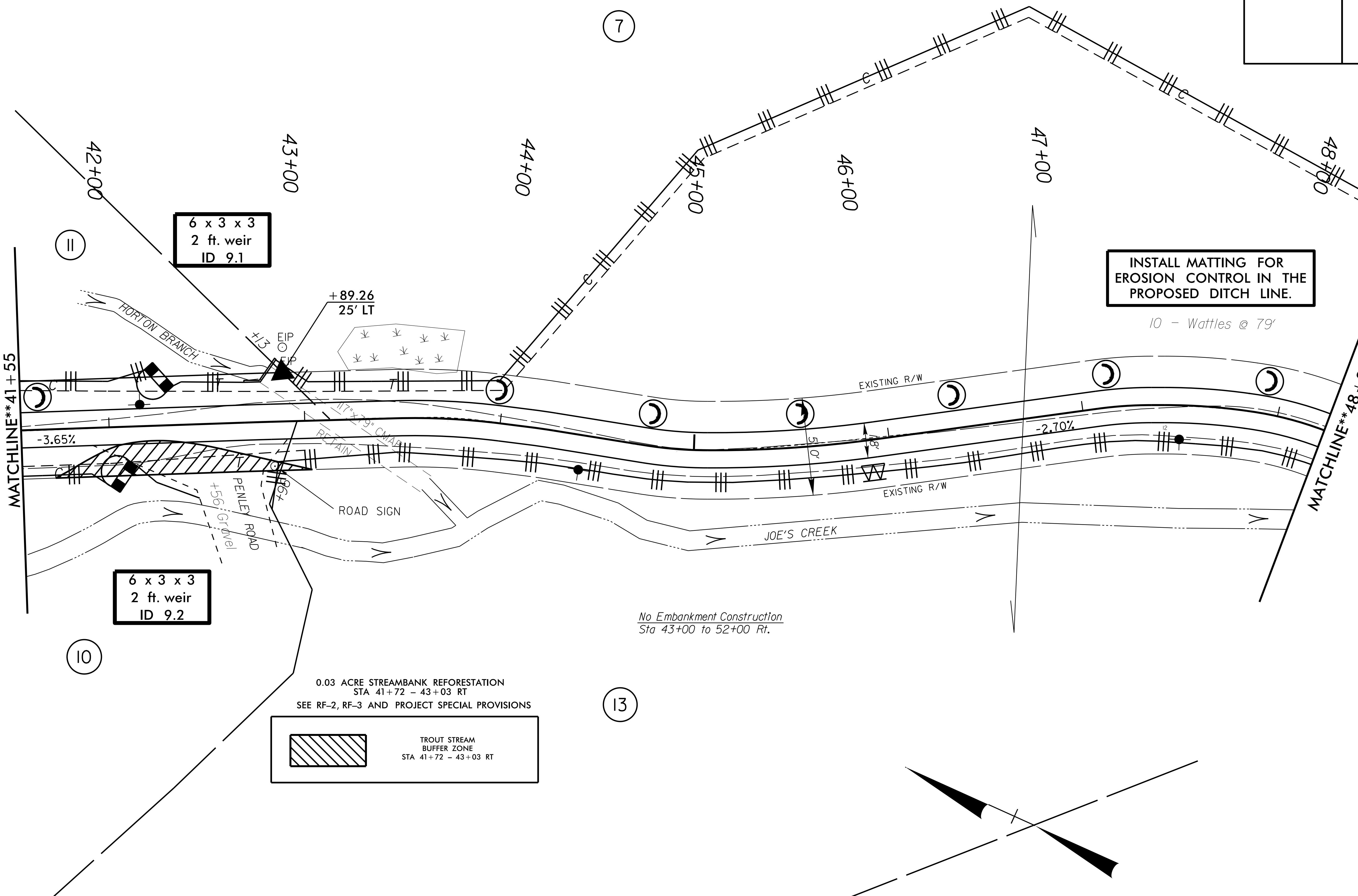
8/17/99

15-NOV-2022 15:42



PROJECT REFERENCE NO.
11C.095102
SHEET NO.
EC-8
R/W SHEET NO.
8
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
REVISIONS
7/24/2019 New Property Owner For Lot Number 11.
INSTALL PSRM FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
12 - Wattles @ 31'
12 x 4 x 3
3 ft. weir
ID 8.1
INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
7 - Wattles @ 76'
MATCHLINE**34+85
MATCHLINE**41+55
POWER SUB STATION
GUARD POST
SR1526B
SAMPSON ROAD
-4.93%
-3.65%
EXISTING R/W
EIP
JOE'S CREEK
1 - Wattles @ 88'
6 x 3 x 3
2 ft. weir
ID 8.2
INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
No Embankment Construction
Sta 32+00 to 35+00 Rt.
No Embankment Construction
Sta 37+00 to 40+00 Rt.
0.13 ACRE STREAMBANK REFORESTATION
STA 34+20 - 37+00 RT
SEE RF-2, RF-3 AND PROJECT SPECIAL PROVISIONS
TROUT STREAM BUFFER ZONE
STA 34+20 - 37+00 RT
0.05 ACRE STREAMBANK REFORESTATION
STA 39+76 - 40+87 RT
SEE RF-2, RF-3 AND PROJECT SPECIAL PROVISIONS
TROUT STREAM BUFFER ZONE
STA 39+76 - 40+87 RT
35+00
36+00
37+00
38+00
39+00
40+00
41+00
38
11
10

PROJECT REFERENCE NO.	SHEET NO.
11C.095102	EC-9
R/W SHEET NO.	9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



0.03 ACRE STREAMBANK REFORESTATION
STA 41+72 - 43+03 RT
SEE RF-2, RF-3 AND PROJECT SPECIAL PROVISIONS

(hatched)	TROUT STREAM BUFFER ZONE STA 41+72 - 43+03 RT

REVISIONS

REVISED 8/29/19: CHANGE IN PROPERTY OWNER FOR PARCEL #13

8/17/99

04-JAN-2023 11:06

PROJECT REFERENCE NO.	SHEET NO.
11C.095102	EC-10
R/W SHEET NO.	10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

REVISED 8/29/19: CHANGE IN PROPERTY OWNER FOR PARCEL #13

15-NOV-2022 15:52
\EC10.dgn
$$$$USERNAME$$$$

MATCHLINE**48+25

MATCHLINE**54+95

7

52+00

53+00

15

No Embankment Construction
Sta 52+00 to 60+00 Lt.

54+00

12 x 4 x 3
3 ft. weir
ID 10.1

+41.23
25' LT

51+00

+52 Gravel

18" CMP

15" CSP

18" CMP +00

EXISTING R/W

49+00

50+00

+74.97
25' RT

+00

4 - Wattles @ 65'

-3.70%

-2.70%

SR1526B

SAMPSON ROAD

EXISTING R/W

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

+42

JOE'S CREEK

13

14

No Embankment Construction
Sta 43+00 to 52+00 Rt.

12

PROJECT REFERENCE NO.	SHEET NO.
11C.095102	EC-11
R/W SHEET NO.	//
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

MATCHLINE**54+95

18" CSP

18" CMP

-3.70%

+73
16.8

+27

+33.69
25' RT

5 - Wattles @ 80'

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

6 x 3 x 3
2 ft. weir
ID 11.1

14

15

16

7

55+00

56+00

57+00

58+00

59+00

60+00

61+00

No Embankment Construction
Sta 52+00 to 60+00 Lt.

60+00 E.O.P.

JOE'S CREEK

+23
22.2

-2.80%

+20

+06.58
25' LT

EXISTING R/W

MATCHLINE**61+65

+88
24.7

JOE'S CREEK

12 x 4 x 3
3 ft. weir
ID 11.2

10

6

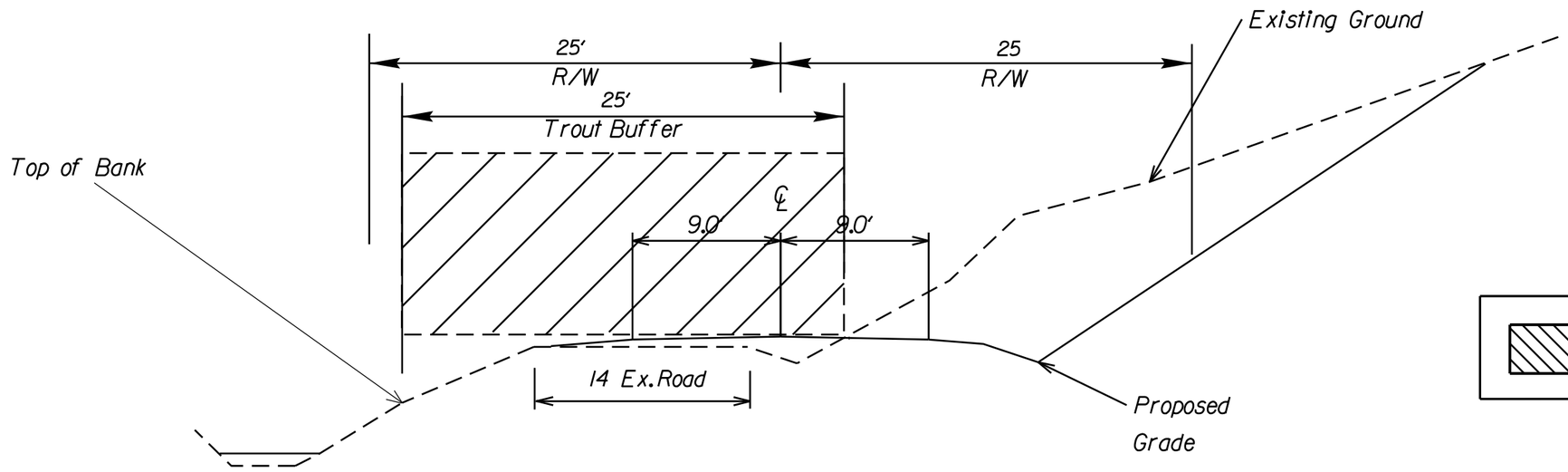
C

T

15-NOV-2022 15:39
P:\Road Projects\Secondary\Watauga\SR1526B\Cap Section\Cap Section EC\Plan Sheets\EC11.dgn
$$$$USERNAME$$$$

6/2/99

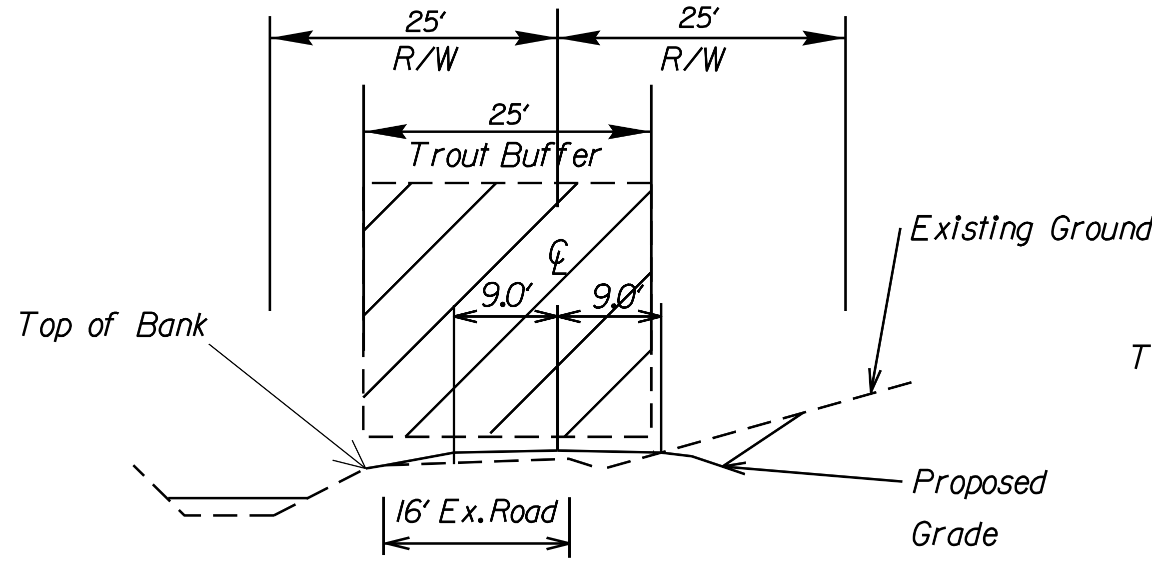
PROJECT REFERENCE NO.	SHEET NO.
11C.095102	TB-1
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



TROUT STREAM BUFFER ZONE

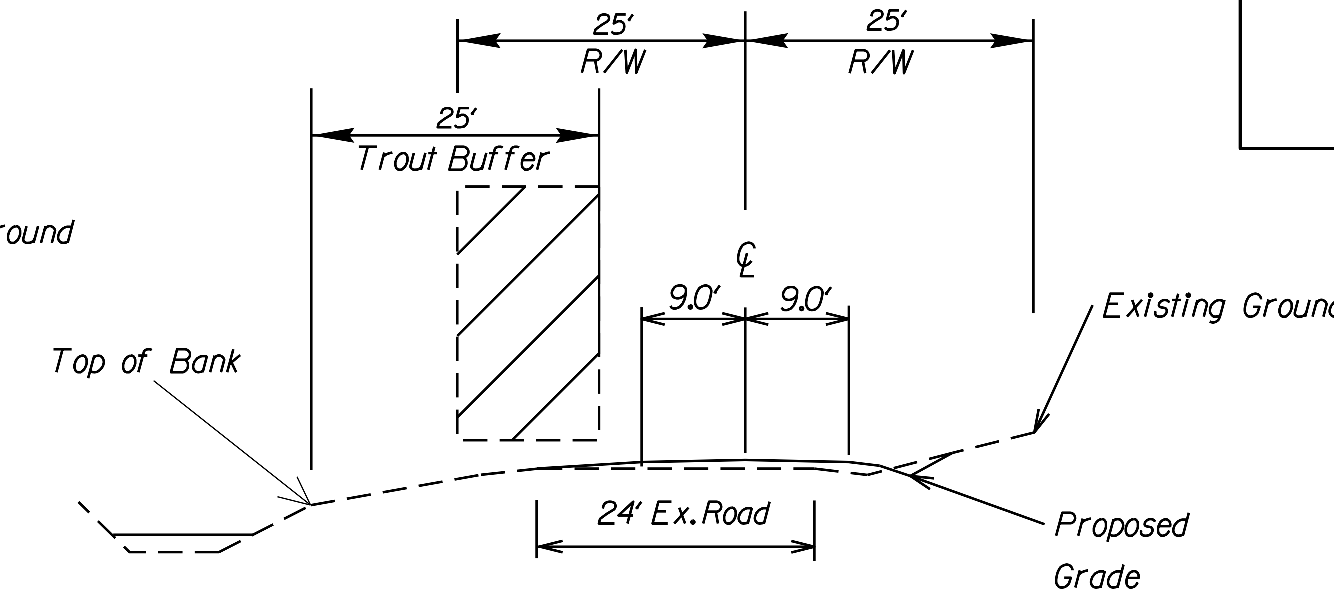
TYPICAL SECTION @ STA 35+06
Sta 34+20 to 37+00

PROJECT REFERENCE NO.	SHEET NO.
11C.095102	TB-2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



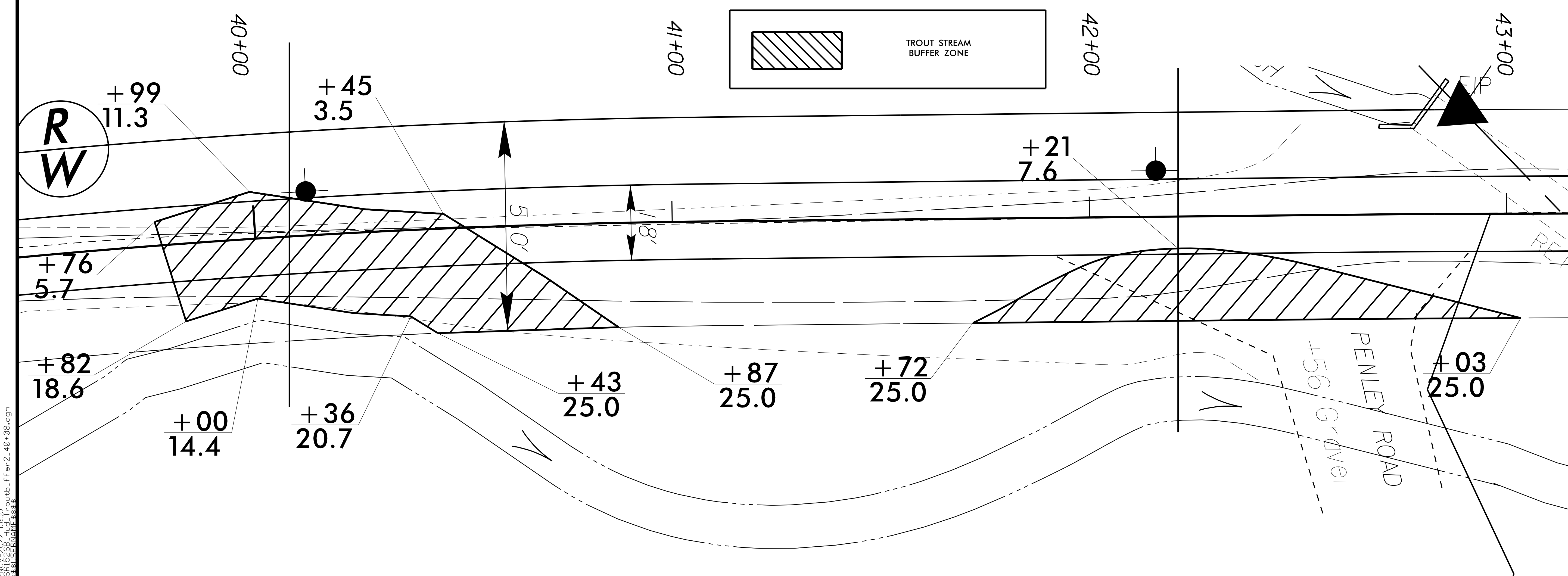
TYPICAL SECTION @ STA 40+08

Sta 39+76 to 40+87



TYPICAL SECTION @ STA 42+21

Sta 41+72 to 43+03



6/2/99

15-NOV-2022 13:30
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.$$$$USERNAME$$$$