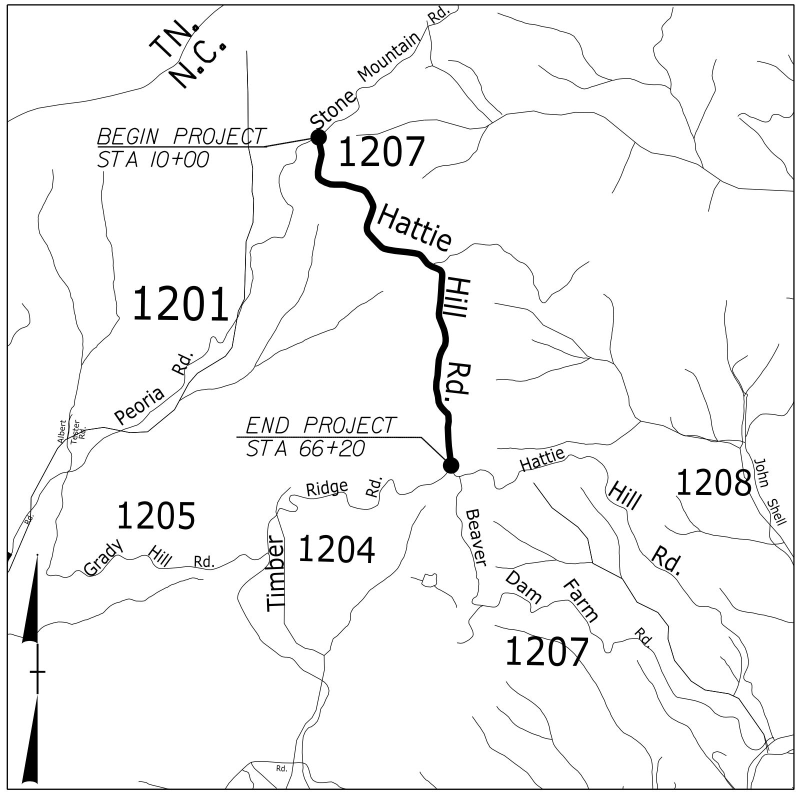
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	11C.095112	EC-1	15

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WATAUGA COUNTY

VICINITY MAP



LOCATION: SR 1207B HATTIE HILL RD
FROM NC 1201 TO NC 1204
STA 10+00 TO E.O.P. 66+20 –L–

TYPE OF WORK: GRADING, DRAINAGE, BASE AND PAVING – 1.07 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.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT

REVISION:

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

04/16/11

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	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.

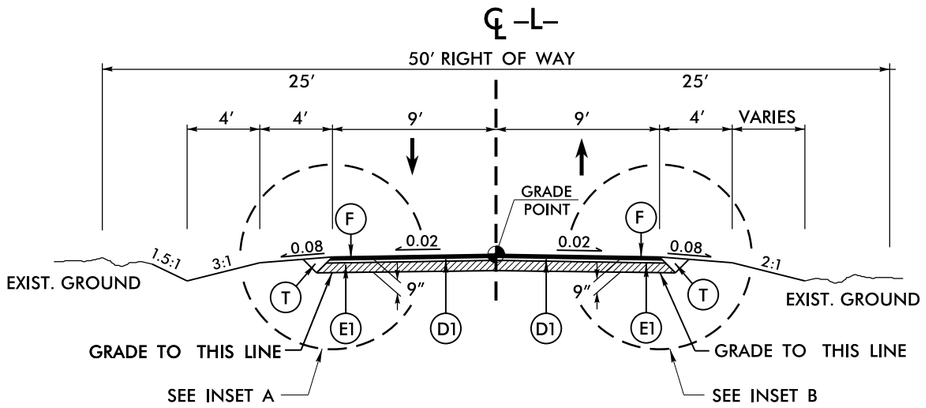
GROUND STABILIZATION CHART

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.095112	2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

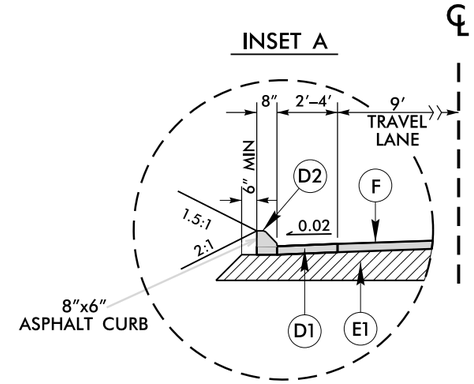
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



30′ TYPICAL SECTION NO. 1

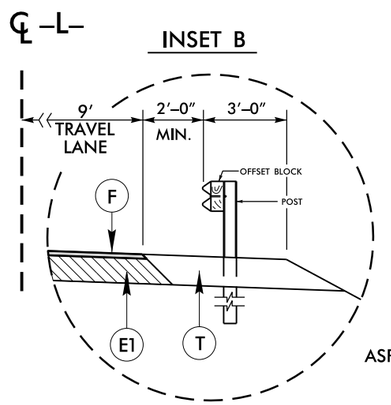
USE TYPICAL SECTION NO. 1

–L– STA. 10+10.53 (BEGIN PROJECT) TO –L– STA. 57+00
–L– STA. 58+00.00 TO –L– STA. 66+33.09 (END PROJECT)

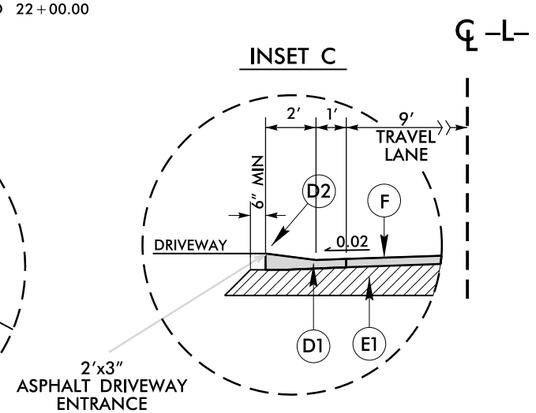


USE INSET A

–L– 13+50.00 TO 22+00.00

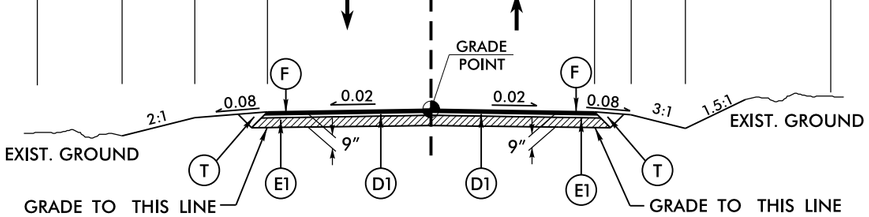


USE INSET B



USE INSET C

ON DRIVEWAYS BETWEEN
–L– 13+50.00 TO 22+00.00



27′ TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2

–L– STA. 57+00.00 TO –L– STA. 58+00.00

PAVEMENT SCHEDULE	
D1	PROP. APPROX. 3″ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
D2	VARIABLE DEPTH I19.0C
E1	PROP. APPROX. 6″ ABC
F	ASPHALT SURFACE TREATMENT, (AST) TRIPLE SEAL
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.

NOTE: ALL PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

NOTE: CONSTRUCT EXTRA WIDENEING IN CURVES AS DIRECTED BY ENGINEER
ALL CUT SLOPES ARE TO 1.5:1 AND ALL FILL SLOPES VARY 2:1 TO 3:1

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	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)
4	-L-	12+50	14+97	LT	180
5	-L-	20+00	22+66	RT	195
6	-L-	26+92	28+25	RT	120
7	-L-	31+46	37+30	RT	425
8	-L-	38+96	41+20	LT	95
9	-L-	43+55	51+51	LT	580
9	-L-	47+20	51+51	RT	315
11	-L-	56+45	59+00	RT	190
12	-L-	64+67	65+78	LT	85
			SUBTOTAL		2,185
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					
				TOTAL	2,185
				SAY	2,185

PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
5	-L-	14+97	17+38	LT	180
12	-L-	65+78	66+00	LT	20
			SUBTOTAL		200
		ADDITIONAL PSRM TO BE INSTALLED			
				TOTAL	200
				SAY	200

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	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.

COMPUTED BY: J COMBS DATE:
CHECKED BY: DATE:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

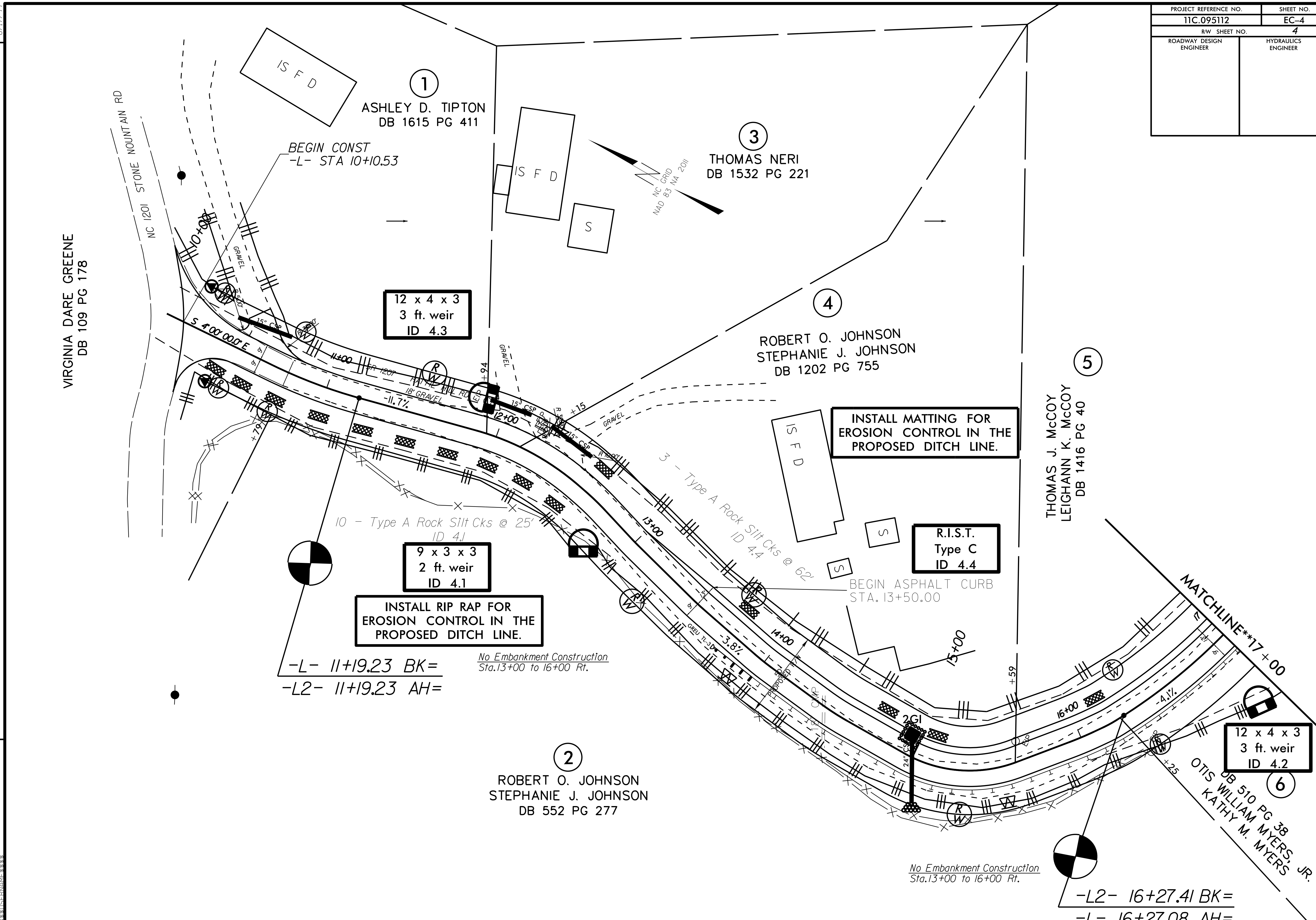
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

TYPE B DRAINAGE PIPE (RCP, CSP, CAAP, HDDE OR PVC) (UNLESS NOTED OTHERWISE)

STATION	LOCATION (LT,RT, OR CL)	NEW PIPES 12"	NEW 15"	NEW 18"	NEW 24"	NEW 30"	NEW 36"	NEW 42"	NEW 48"	EXISTING PIPES 12"	EXIST. 15"	EXIST. 18"	EXIST. 24"	EXIST. 30"	EXIST. 36"	EXIST. 42"	EXIST. 48"	PIPE REMOVAL LIN.FT.	D.I. STD. 840.35 or 840.36	F & G STD. 840.37	REMARKS
-L- 10+53.55	LT		33																		ADD DRIVE PIPE
-L2- 12+02.03	LT		25																		ADD DRIVE PIPE
-L2- 12+37.25	LT		29																		ADD DRIVE PIPE
-L2- 14+41.93	CL											30						30			REMOVE PIPE
-L2- 14+99.9	CL				35														1	1	ADD PIPE AND D.I.
-L- 17+37.81	CL			30							25							25	1	1	REPLACE PIPE ADD D.I.
-L- 20+07.97	CL			34															1	1	ADD PIPE AND D.I.
-L- 22+61.71	CL				39							30						30			REPLACE PIPE
-L- 26+30.06	CL			42																	ADD PIPE
-L- 26+92.15	CL			34																	ADD PIPE
-L- 31+45.50	CL				36							25						25			REPLACE PIPE
-L- 37+71.20	LT		53																		ADD DRIVE PIPE
-L- 38+96.56	CL				35																ADD PIPE
-L- 41+38.12	LT		36																		ADD DRIVE PIPE
-L- 43+55.63	CL				42							30						30			REPLACE PIPE
-L- 48+47.12	RT		24																		ADD DRIVE PIPE
-L- 51+50.48	CL				31							25						25			REPLACE PIPE
-L- 56+45.58	CL			34																	ADD PIPE
-L- 62+53.48	CL				40																ADD PIPE
-L- 64+64.97	CL			35																	ADD PIPE
-L- 65+78.20	CL				44							41						41			REPLACE PIPE
SHEET TOTALS			200	209	302						25	181						206	3	3	

6/21/00
11-APR-2022 14:08 ...Pipe Data Sheet_3C.dgn

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	EC-4
R/W SHEET NO.	4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



1
ASHLEY D. TIPTON
DB 1615 PG 411
2
ROBERT O. JOHNSON
STEPHANIE J. JOHNSON
DB 552 PG 277
3
THOMAS NERI
DB 1532 PG 221
4
ROBERT O. JOHNSON
STEPHANIE J. JOHNSON
DB 1202 PG 755
5
THOMAS J. McCOY
LEIGHANN K. McCOY
DB 1416 PG 40
6
OTIS WILLIAM MYERS, JR.
KATHY M. MYERS
DB 510 PG 38
VIRGINIA DARE GREENE
DB 109 PG 178
NC 1201 STONE MOUNTAIN RD
IS F D
S
NC GRID NAD 83 NA 2011
BEGIN CONST
-L- STA 10+10.53
S 4°00'00.0" E
GRAVEL
15" CSP
18" GRAVEL
-11.7%
-3.8%
-4.1%
10+00
11+00
12+00
13+00
14+00
15+00
16+00
12 x 4 x 3
3 ft. weir
ID 4.3
9 x 3 x 3
2 ft. weir
ID 4.1
12 x 4 x 3
3 ft. weir
ID 4.2
INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
INSTALL RIP RAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
10 - Type A Rock Silt Cks @ 25'
ID 4.1
3 - Type A Rock Silt Cks @ 62'
ID 4.4
R.I.S.T.
Type C
ID 4.4
BEGIN ASPHALT CURB
STA. 13+50.00
2GI
MATCHLINE**17+00
-L- 11+19.23 BK=
-L2- 11+19.23 AH=
No Embankment Construction
Sta.13+00 to 16+00 Rt.
No Embankment Construction
Sta.13+00 to 16+00 Rt.
-L2- 16+27.41 BK=
-L- 16+27.08 AH=

REVISIONS

8/17/99

11-APR-2022 14:13
P:\Road Projects\Secondary\Watauga\SR1207B Hattie Hill Rd\Boone Locations\EC Work\Plansheets\EC-4.dgn
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	EC-5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

NC GRID
NAD 83 NA 2011

S 38°05'23" W
223.51'

5
THOMAS J. McCOY
LEIGHANN K. McCOY
DB 1416 PG 40

+73

9 x 3 x 3
2 ft. weir
ID 5.4

7
DEBRA E. GUY
DB 1655 PG 58

+61

CURB
STA. 22+00.00

9 x 3 x 3
2 ft. weir
ID 5.7

2S F D

20+00

DRIVEWAY ENTRANCE

DRIVEWAY ENTRANCE

DRIVEWAY ENTRANCE

DO NOT DISTURB

R.I.S.T.
Type C
ID 5.3

B

+97

INSTALL PSRM IN THE PROPOSED DITCH LINE.

R.I.S.T.
Type C
ID 5.2

R.I.S.T.
Type C
ID 5.1

3 - Type A Rock Silt Cks @ 60'
ID 5.1

19+00

21+00

22+00

S 72° 41' 25.4" E

-1.6%

SR 1207 HATTIE HILL RD 18' GRAVEL

2 - Type A Rock
Silt Cks @ 133'
ID 5.6

S 32° 20' 26.3" E

GRAVEL

EIP

2 - Type A Rock
Silt Cks @ 185'
ID 5.8

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

MATCHLINE**23+00

MATCHLINE**17+00

2GI

+00

+0.2%

GREU TL-3

9 x 3 x 3
2 ft. weir
ID 5.5

+38

6
OTIS WILLIAM MYERS, JR.
KATHY M. MYERS
DB 510 PG 38

11-APR-2022 14:14
\EC-5.dgn
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	EC-6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

7

DEBRA E. GUY
DB 1655 PG 58

NC GRID
NAD 83 NA 2011

9 x 3 x 3
2 ft. weir
ID 6.5

9 x 3 x 3
2 ft. weir
ID 6.6

9 x 3 x 3
2 ft. weir
ID 6.7

9 x 3 x 3
2 ft. weir
ID 6.4

MATCHLINE**23+00

24+00

25+00

26+00

28+00

29+00

MATCHLINE**30+00

+1.2%

+2.0%

50' PROPOSED R/W

GREU TL-3

SR 1207 HATTIE HILL RD

18' GRAVEL

S 22° 52' 21" W

18" CSP

18" CSP

S 44° 56' 00.0" E

Type A Rock Silt Ck
ID 6.8

Type A Rock Silt Ck
ID 6.2

2 - Type A Rock Silt Cks @ 82'
ID 6.3

GRAVEL

GRAVEL

R=15.00'

±79
30.8

±60

±35

±63

±70
25.9

2S F D

S

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

6

OTIS WILLIAM MYERS, JR.
KATHY M. MYERS
DB 510 PG 38

8

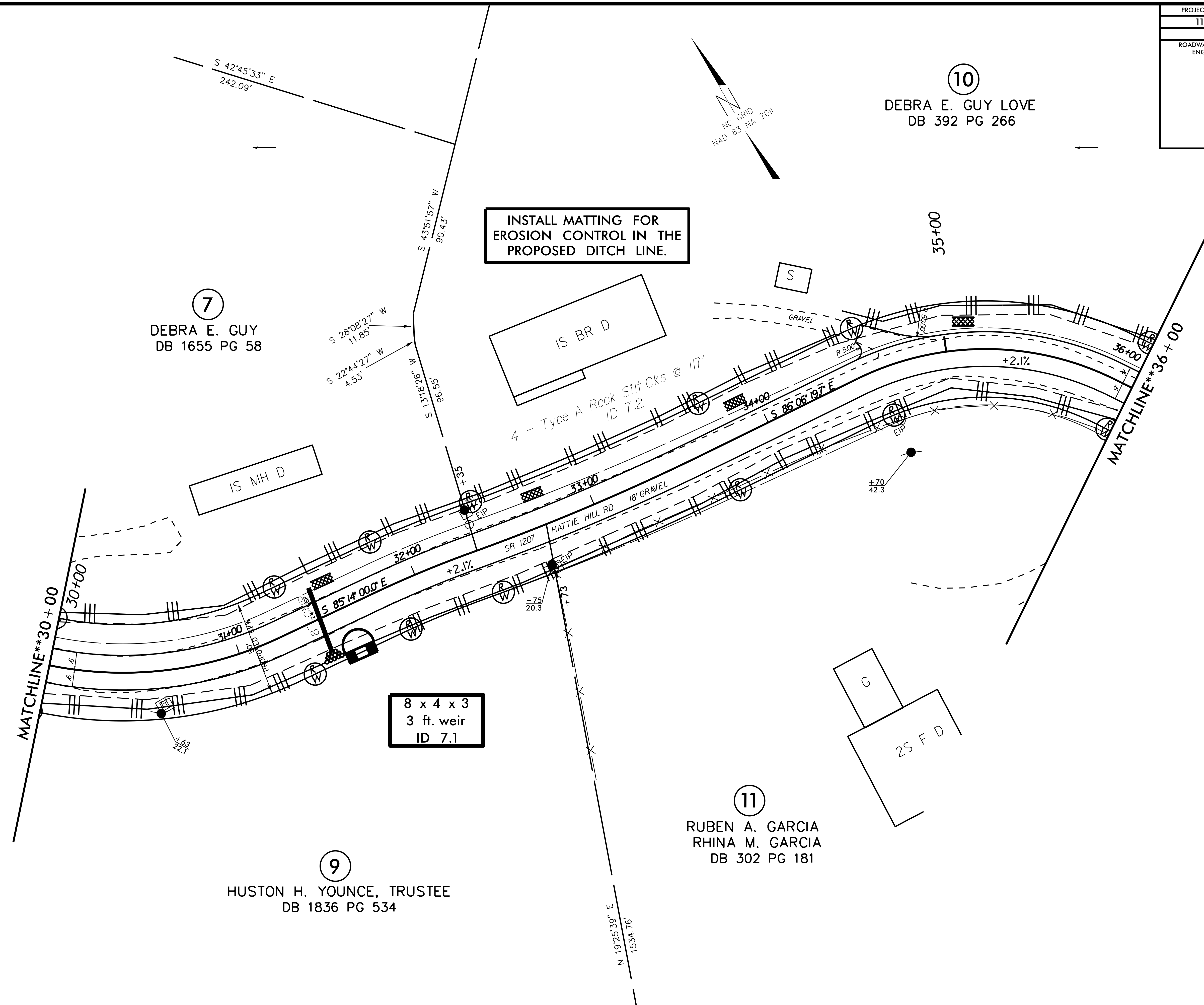
DOUGLAS S. ASANO
ALEXI ASANO
DB 1787 PG 368

9

HUSTON H. YOUNCE, TRUSTEE
DB 1836 PG 534

11-APR-2022 14:15
\EC-6.dgn
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	EC-7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



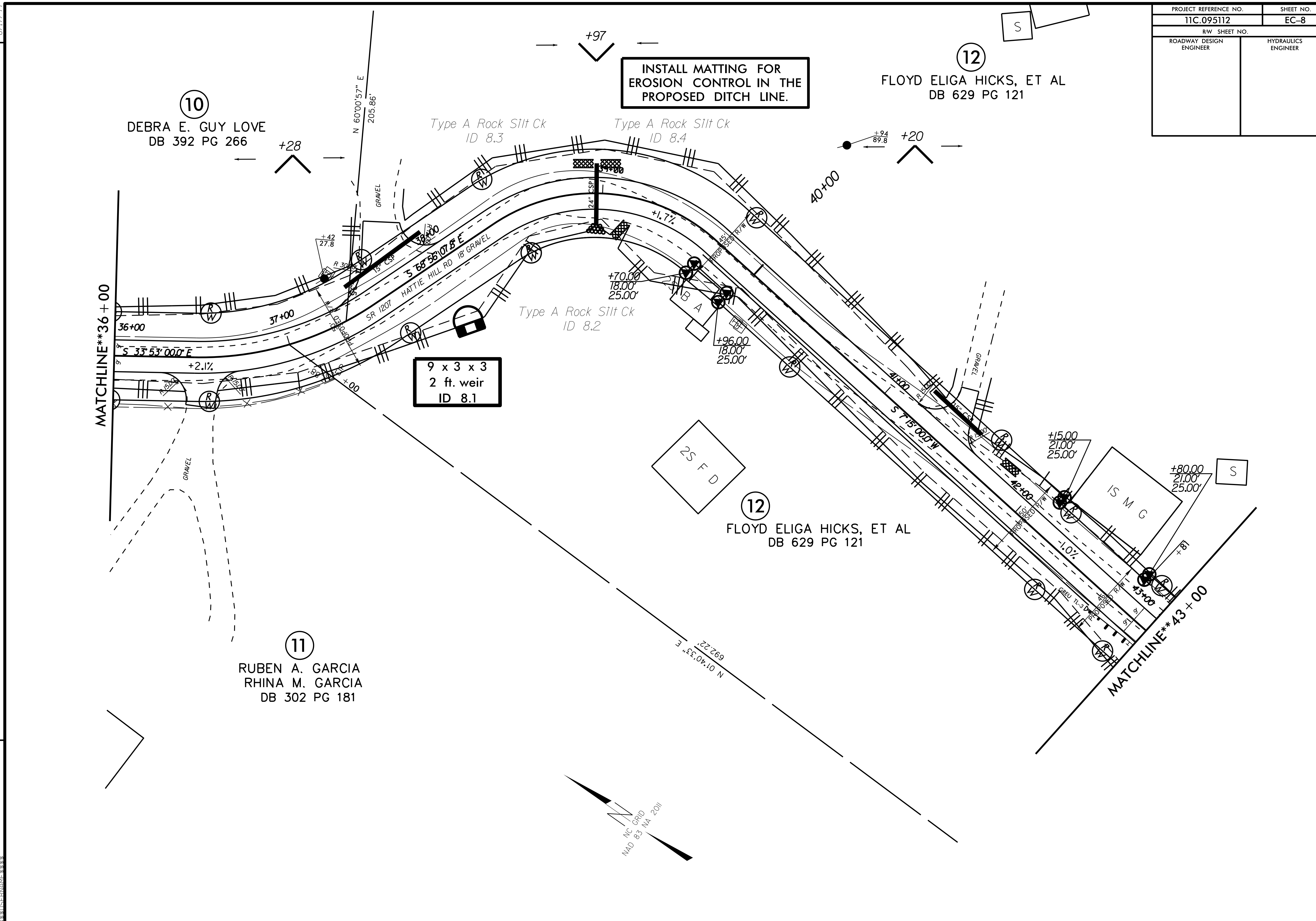
NC GRID NAD 83 NA 2011
INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
10
DEBRA E. GUY LOVE
DB 392 PG 266
7
DEBRA E. GUY
DB 1655 PG 58
S 42°45'33" E
242.09'
S 43°51'57" W
90.43'
S 28°08'27" W
11.85'
S 22°44'27" W
4.53'
S 13°18'26" W
96.55'
IS BR D
IS MH D
S
GRAVEL
4 - Type A Rock Silt Cks @ 117'
ID 7.2
35+00
36+00
34+00
33+00
32+00
31+00
30+00
S 86°06'19.7" E
S 85°14'00.0" E
+2.1%
HATTIE HILL RD
18' GRAVEL
SR 1207
EIP
+35
+73
+75
20.3
+70
42.3
+63
22.1
MATCHLINE**30+00
MATCHLINE**36+00
8 x 4 x 3
3 ft. weir
ID 7.1
G
2S F D
11
RUBEN A. GARCIA
RHINA M. GARCIA
DB 302 PG 181
9
HUSTON H. YOUNCE, TRUSTEE
DB 1836 PG 534
N 19°25'39" E
1534.76'

8/17/99

REVISIONS

11-APR-2022 14:16

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	EC-8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



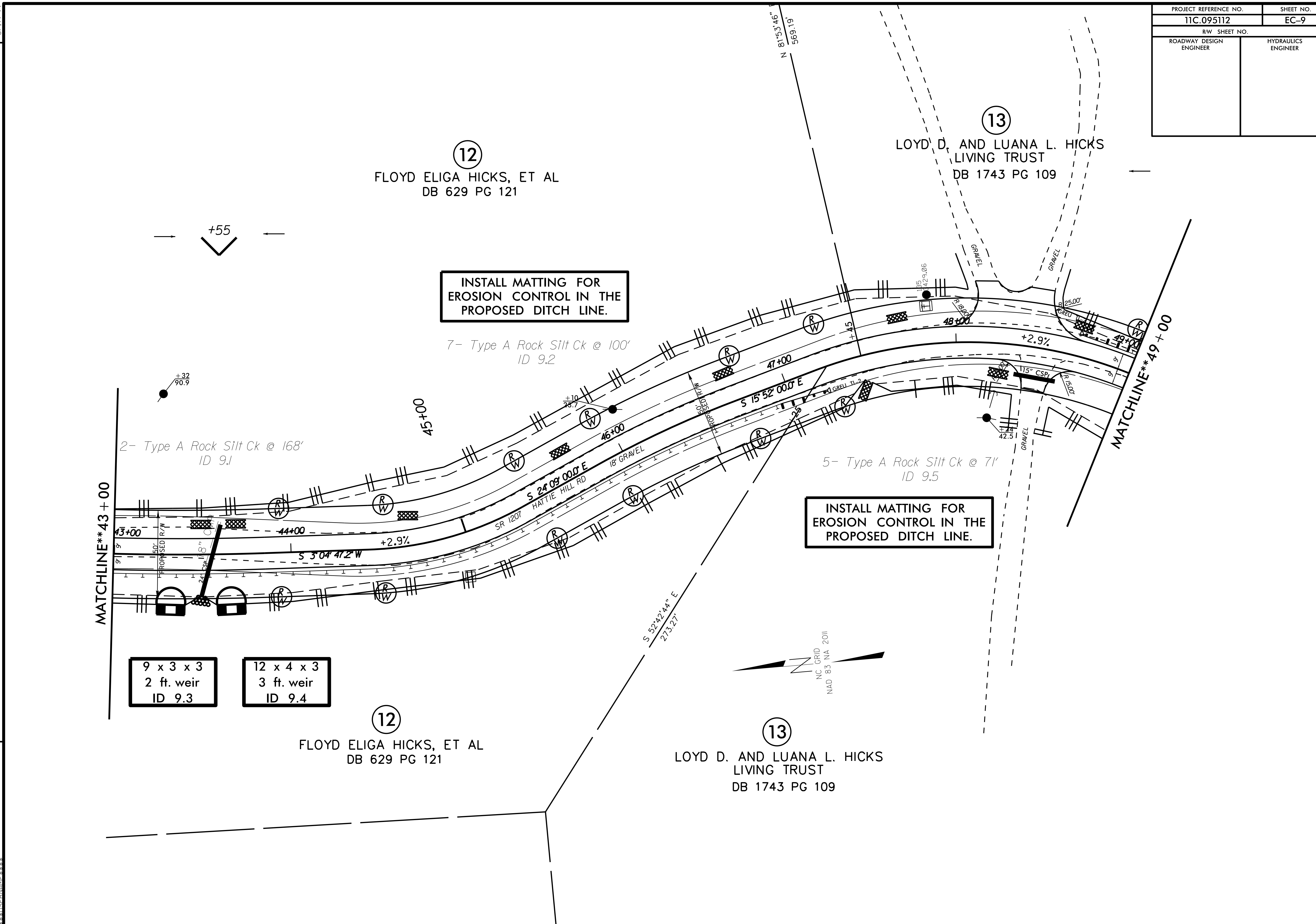
INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.
10
DEBRA E. GUY LOVE
DB 392 PG 266
12
FLOYD ELIGA HICKS, ET AL
DB 629 PG 121
11
RUBEN A. GARCIA
RHINA M. GARCIA
DB 302 PG 181
Type A Rock Silt Ck
ID 8.3
Type A Rock Silt Ck
ID 8.4
Type A Rock Silt Ck
ID 8.2
9 x 3 x 3
2 ft. weir
ID 8.1
MATCHLINE**36+00
MATCHLINE**43+00
N 60°00'57" E
205.86'
N 01°40'33" E
692.22'
S 33°53'00.0" E
S 68°56'07.8" E
S 7°15'00.0" W
SR 1207 HATTIE HILL RD 18' GRAVEL
36+00
37+00
38+00
39+00
40+00
41+00
42+00
43+00
+2.1%
+1.7%
-1.0%
+28
+97
+20
+70.00
18.00'
25.00'
+96.00
18.00'
25.00'
+15.00
21.00'
25.00'
+80.00
21.00'
25.00'
15" CSP
24" CSP
GRAVEL
2S F D
B A
IS M G
S
NC GRID
NAD 83 NA 2011

8/17/99

REVISIONS

11-APR-2022 14:15
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	EC-9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



12
FLOYD ELIGA HICKS, ET AL
DB 629 PG 121
13
LOYD D. AND LUANA L. HICKS
LIVING TRUST
DB 1743 PG 109
INSTALL MATTING FOR
EROSION CONTROL IN THE
PROPOSED DITCH LINE.
7- Type A Rock Silt Ck @ 100'
ID 9.2
2- Type A Rock Silt Ck @ 168'
ID 9.1
5- Type A Rock Silt Ck @ 71'
ID 9.5
+55
45+00
46+00
47+00
48+00
49+00
44+00
43+00
MATCHLINE**43+00
MATCHLINE**49+00
S 24°09' 00.0" E
S 15°52' 00.0" E
S 3°04' 47.2" W
SR 1207 HATTIE HILL RD
18' GRAVEL
+2.9%
PROPOSED R/W
GRAVEL
115" CSP
N 81°53'46" E
569.19'
S 52°42'44" E
273.27'
9 x 3 x 3
2 ft. weir
ID 9.3
12 x 4 x 3
3 ft. weir
ID 9.4
NC GRID
NAD 83 NA 2011
REVISIONS
8/17/99
11-APR-2022 14:14

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	EC-10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS 8/17/99

NC GRID
NAD 83 NA 2011

14
JOHN W. JAMES, III
KAREN K. JAMES
DB 1490 PG 598

MATCHLINE**49+00

49+00

50+00

+25

EIP

No Embankment Construction
Sta.51+50 to 58+50 Lt.

No Embankment Construction
Sta.51+50 to 58+50 Lt.

MATCHLINE**55+00

+2.9%

GREU TL-3

51+00

52+00

53+00

54+00

SR 1207 HATTIE HILL RD

18' GRAVEL

S 4°08'00.0" W

+0.6%

S 9°56'00.0" W

PROPOSED R/W

50'

24" CMP

EIP

+41
22.9

Type A Rock Silt Ck
ID 10.1

+76

EIP

+90
22.7

GRAVEL

+01

EIP

13
LOYD D. AND LUANA L. HICKS
LIVING TRUST
DB 1743 PG 109

15
GARY LEE FELDHAMER
DB 1721 PG 518

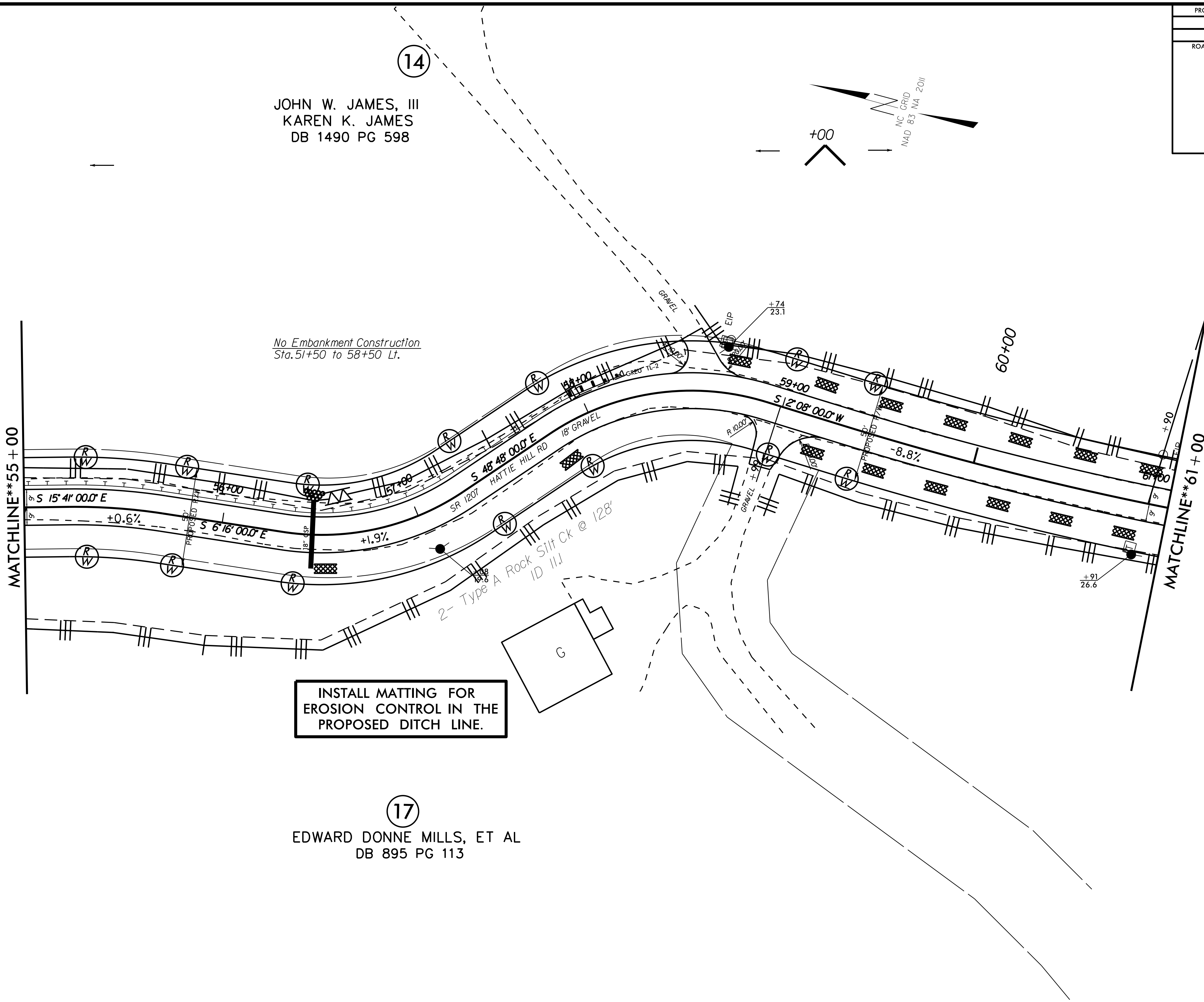
16
GREGG A. MERCHEN
KAREN B. MERCHEN
DB 324 PG 596

17
EDWARD DONNE MILLS, ET AL
DB 895 PG 113

11-APR-2022 14:14
EC-10.dgn
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	EC-11
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

8/17/99

11-APR-2022 14:13

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	EC–12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

S 87°
853.

NC GRID
NAD 83 NA 2011

INSTALL RIP RAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

9 x 3 x 3
2 ft. weir
ID 12.1

11- Type A Rock Silt Ck @ 34'
ID 12.1

18
HUSTON H. YOUNCE, TRUSTEE
DB 1836 PG 534

INSTALL RIP RAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

9 x 3 x 3
2 ft. weir
ID 12.2

6- Type A Rock Silt Ck @ 30'
ID 12.2

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

INSTALL PSRM IN THE PROPOSED DITCH LINE.

+78

B

65+00

Type A Rock Silt Ck
ID 12.4

Type A Rock Silt Ck
ID 12.3

66+00

6'

6'

24" CSP

+6.3%

S 12° 14' 00.0" E

END CONST
-L- STA 66+20.00

18
HUSTON H. YOUNCE, TRUSTEE
DB 1836 PG 534

LAKE

SR 1204 TIMBER RIDGE RD

GZ

MATCHLINE**61+00

61+00

62+00

63+00

64+00

EIP

S 3° 50' 00.0" E

6'

6'

150' PROPOSED R/W

24" CSP

SR 1207 HATTIE HILL RD
18' GRAVEL

-3.2%

+31
21.1

12 x 4 x 3
3 ft. weir
ID 12.6

+38
37.3

6 x 3 x 3
2 ft. weir
ID 12.7

GRADE TO DRAIN NEW DITCH
INTO EX DITCH ON SR TIMBER RIDGE RD

10- Type A Rock Silt Ck @ 32'
ID 12.5

12 x 4 x 3
3 ft. weir
ID 12.5

INSTALL RIP RAP FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

18
HUSTON H. YOUNCE, TRUSTEE
DB 1836 PG 534

11-APR-2022 14:12
\EC-12.dgn
$$$$USERNAME$$$$