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TIP PROJECT: W–5313

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5313	EC-1	

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

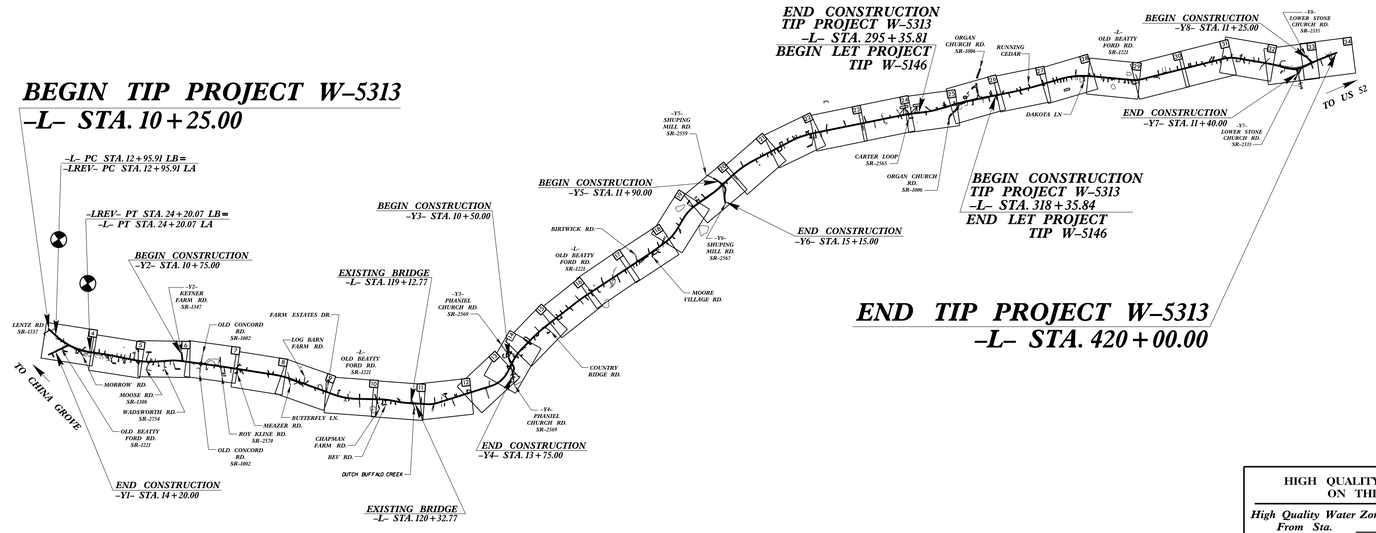
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

ROWAN COUNTY

LOCATION: SR 1221 (OLD BEATTY FORD ROAD)
FROM SR 1337 (LENTZ ROAD) TO
SR 2335 (LOWER STONE CHURCH ROAD)

TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNAL, AND CULVERTS

NAD 83/2007 NSRS



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	EW 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.

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

HIGH QUALITY WATER(S) EXIST ON THIS PROJECT

High Quality Water Zone(s) Exist
From Sta. Begin
to Sta. 313+00
Refer To E. C. Special Provisions for Special Considerations.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT

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

GRAPHIC SCALE

0
PLANS
0
PROFILE (HORIZONTAL)
0
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:

ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611

2012 STANDARD SPECIFICATIONS

Designed by:

Natalie Chan, P.E. ***491***
NAME *LEVEL III CERTIFICATION NO.*

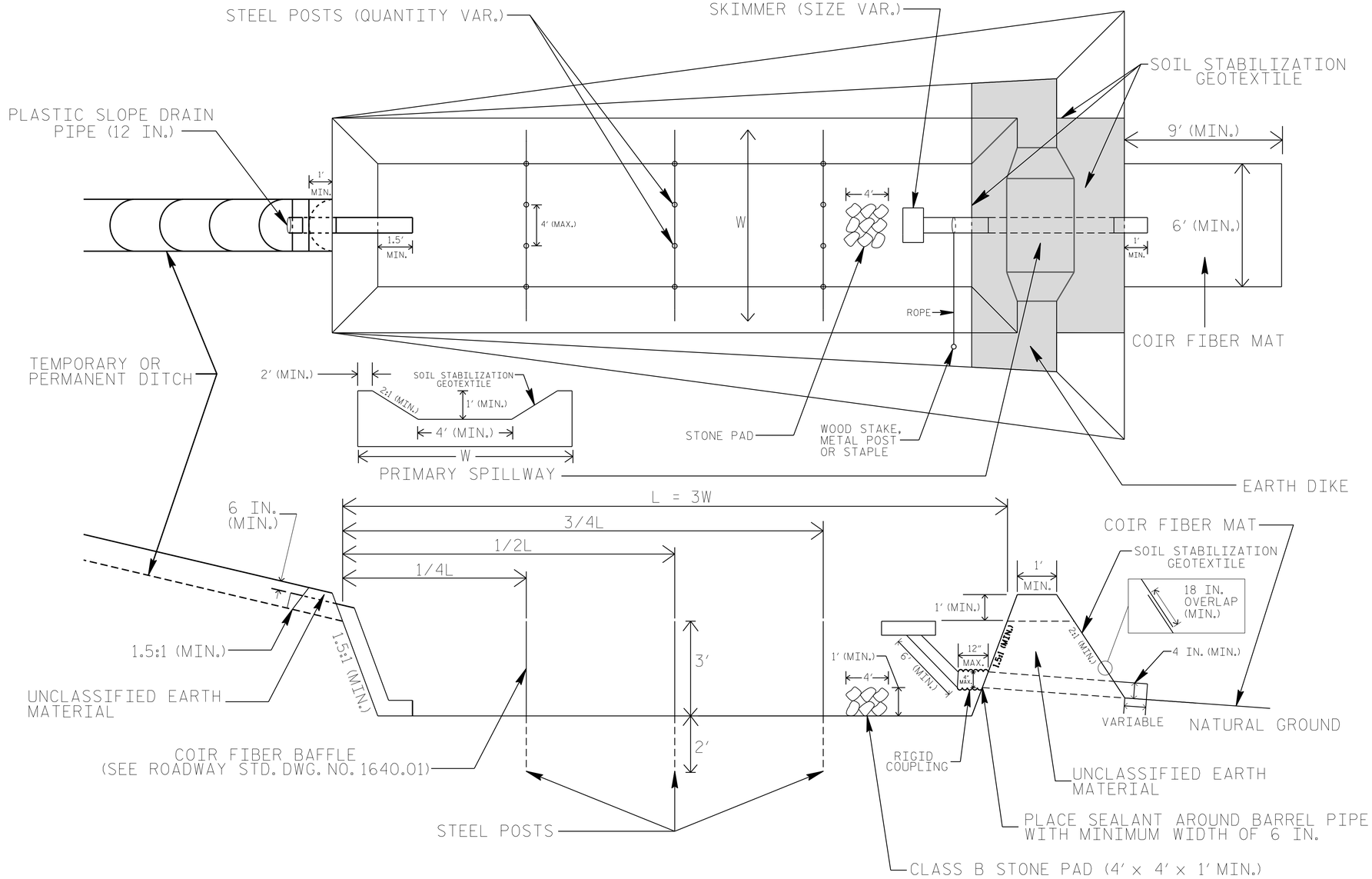
Roadway Standard Drawings

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.

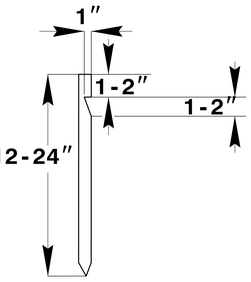
1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type B
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type 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		

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

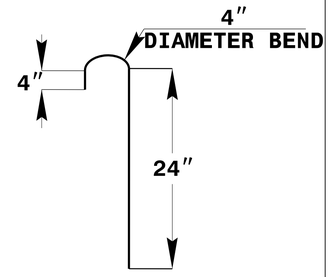
SKIMMER BASIN WITH BAFFLES DETAIL



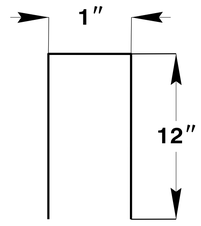
2" x 2" (nominal) WOODEN STAKE



#10 STEEL REINFORCEMENT BAR



1" (nominal) STAPLE



COIR FIBER MAT ANCHOR OPTIONS

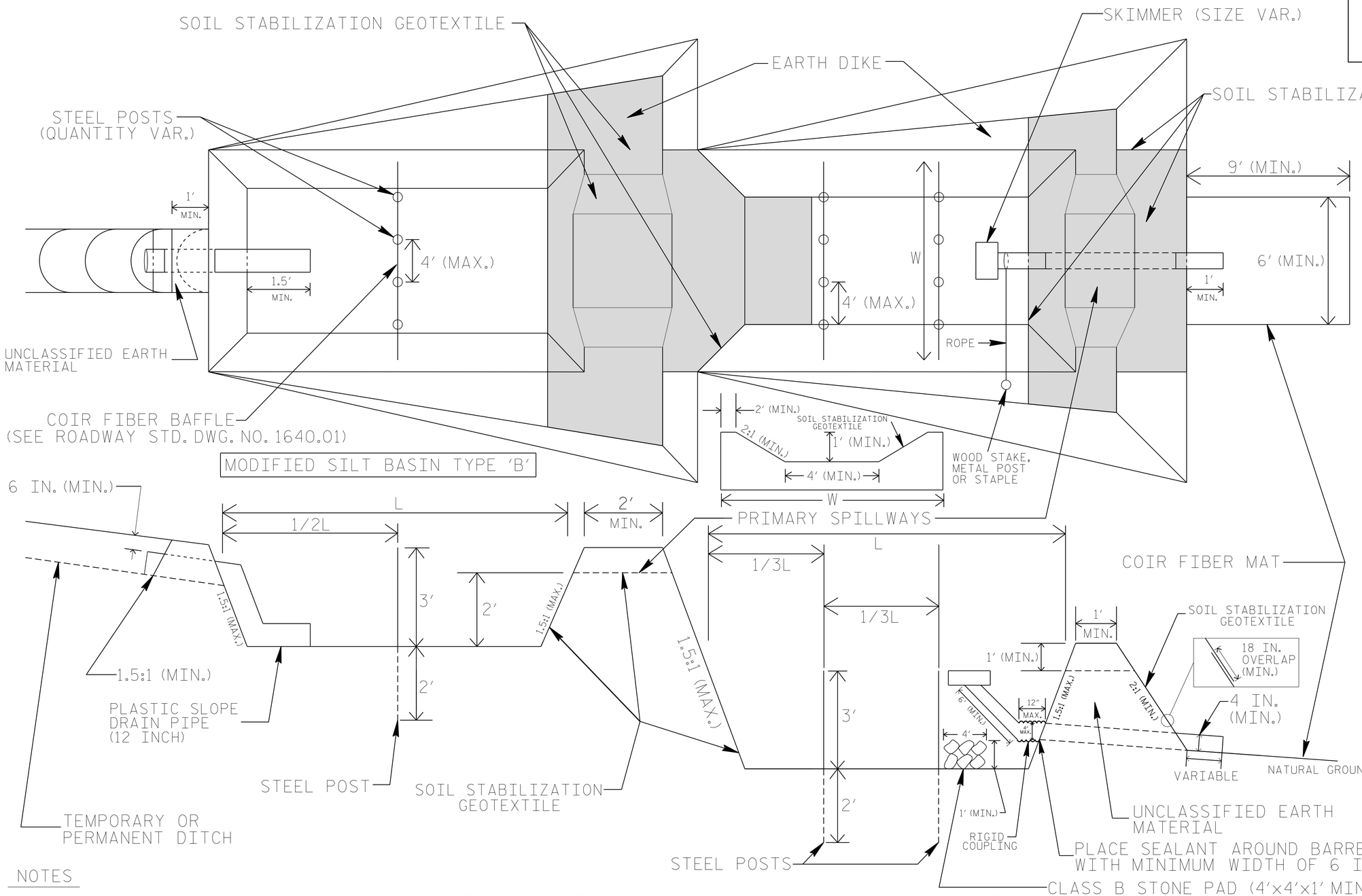
NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE PRIMARY SPILLWAY WEIR LENGTH (FT.) USING Q/0.8, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE OR TARP AS DIRECTED.
6. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

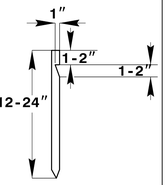
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

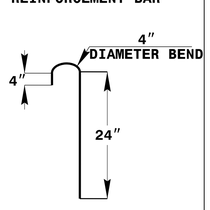
TIERED SKIMMER BASIN DETAIL



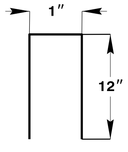
2" x 2" (nominal) WOODEN STAKE



#10 STEEL REINFORCEMENT BAR



1" (nominal) STAPLE



COIR FIBER MAT ANCHOR OPTIONS

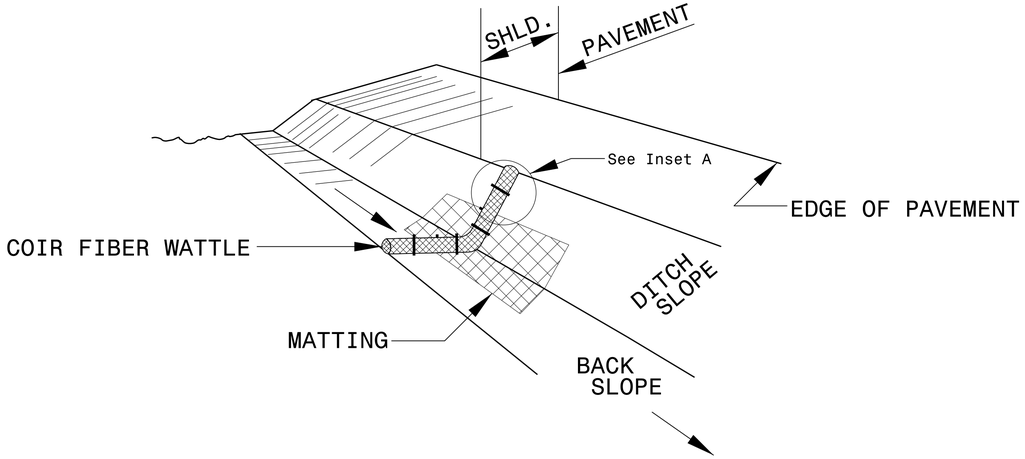
NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES OF BASINS.
2. LIMIT HEIGHT OF EARTH DIKES TO 5 FT.
3. ADDITIONAL MODIFIED SILT BASINS TYPE 'B' MAY BE NEEDED DEPENDING ON SLOPE.
4. FOR BASIN DEPTHS OF 3FT., THE MINIMUM BASIN WIDTHS SHALL BE 9 FT.
5. DETERMINE PRIMARY SPILLWAY WEIR LENGTHS (FT.) USING Q/0.8, WHERE Q IS FLOW RATE (CFS) INTO UPPER BASIN.
6. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAYS SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

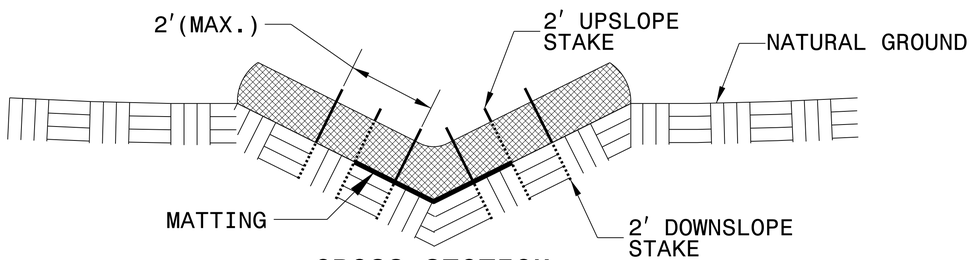
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-2B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

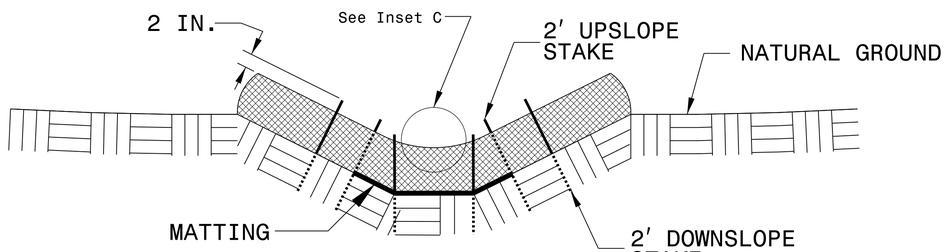
COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

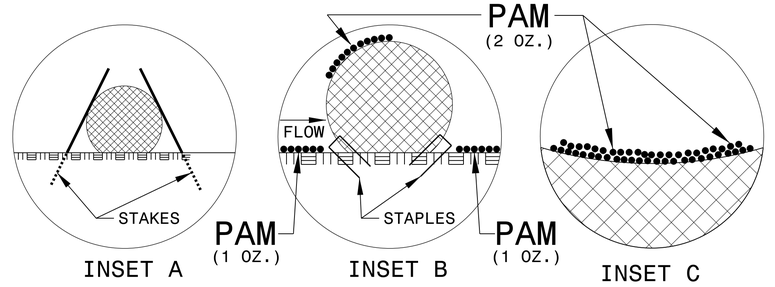
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

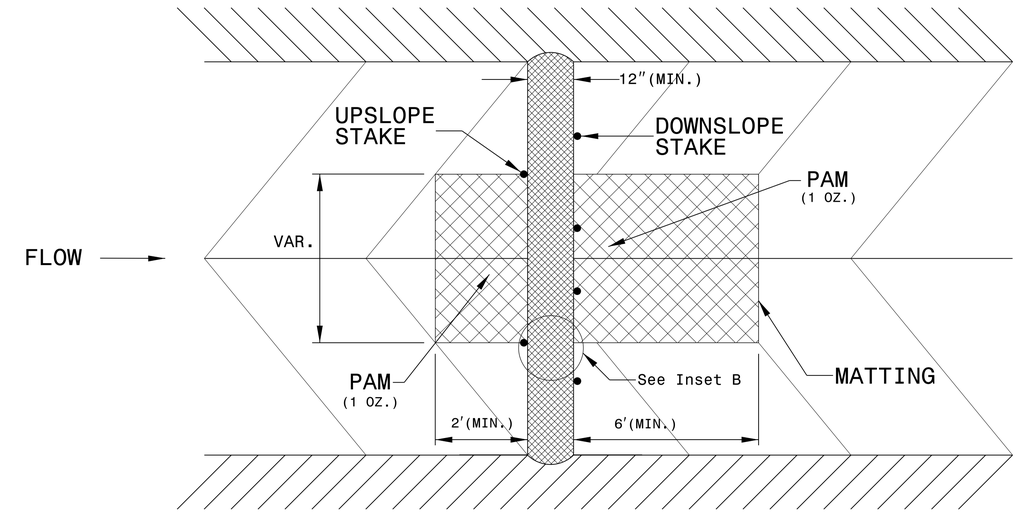
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

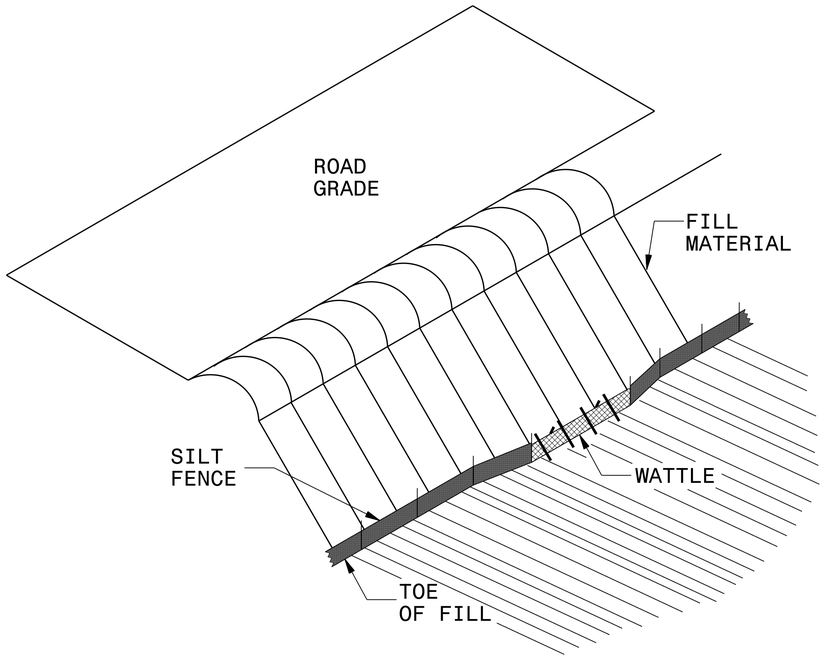




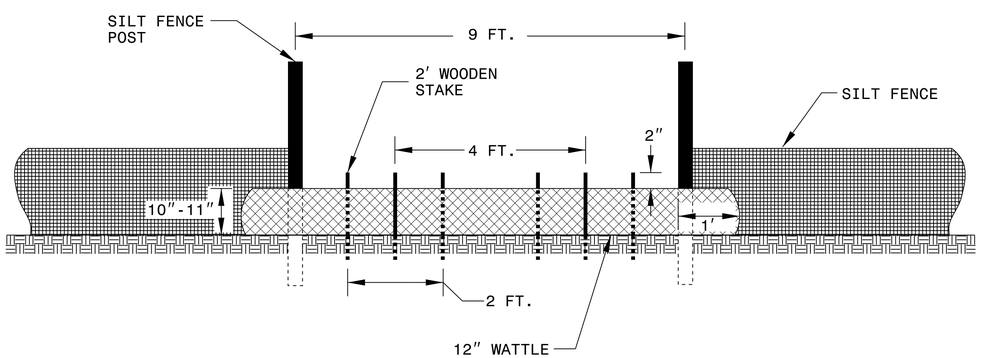
TOP VIEW

SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-2C
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ISOMETRIC VIEW



VIEW FROM SLOPE

NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.

EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.

DO NOT PLACE WATTLE ON TOE OF SLOPE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.

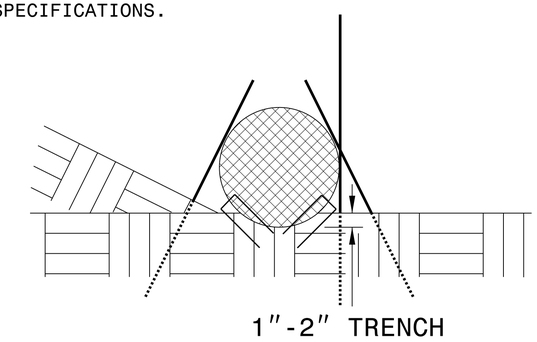
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

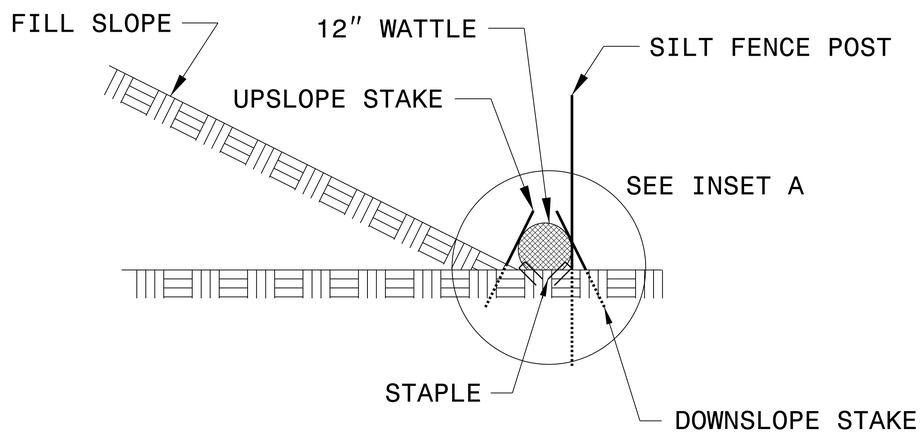
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.

INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A

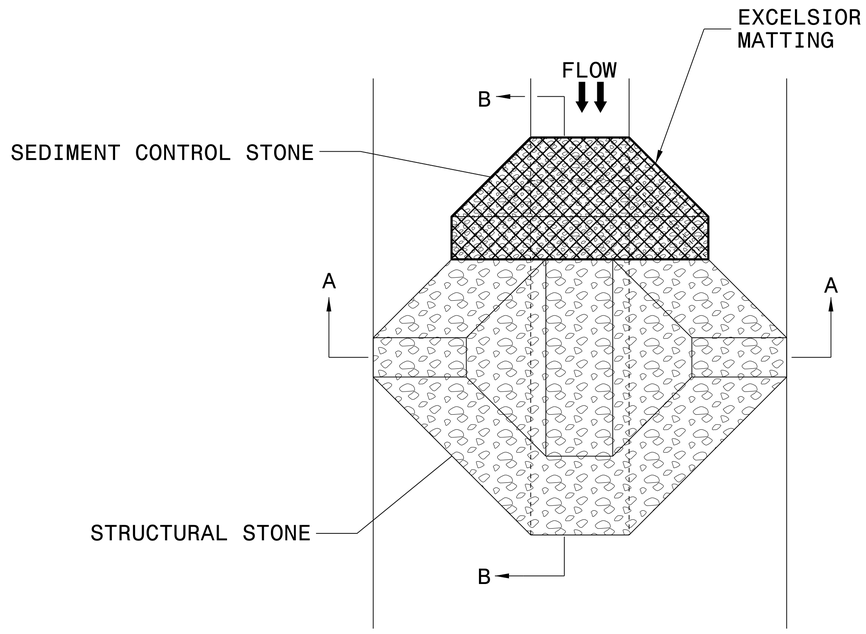




SIDE VIEW

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-2D
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



PLAN

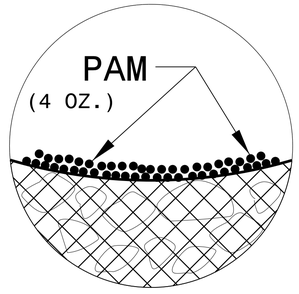
NOTES:

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

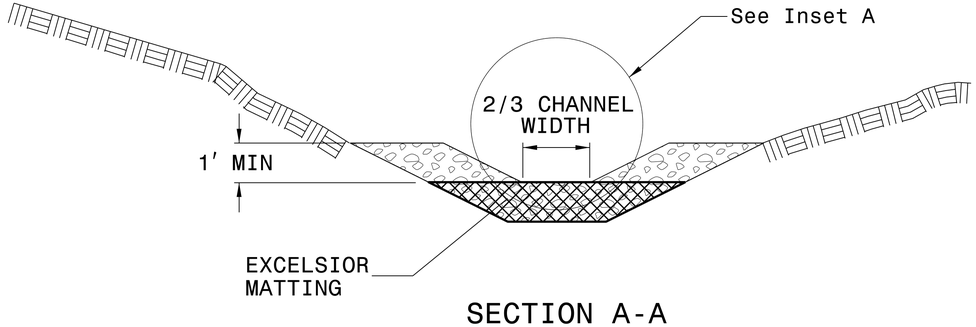
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH ROCK SILT CHECK.

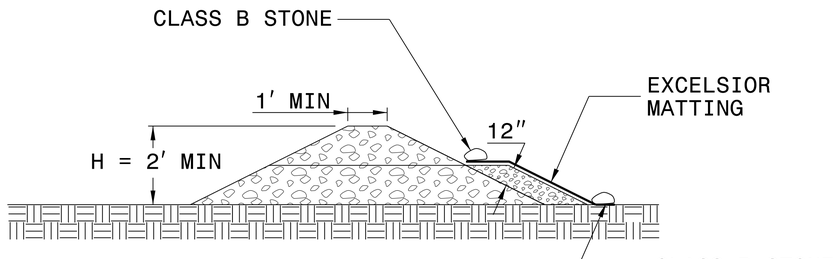
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A



SECTION B-B

NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
W-5313	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	LREV	18+00	21+00	LT	665
4	-L-	19+00	21+00	RT	150
5	-L-	25+00	27+50	LT	190
5	-L-	25+50	28+00	RT	295
5	-L-	28+50	30+00	RT	240
5	-L-	38+00	38+50	LT	55
6	-L-	39+50	41+00	RT	150
6	-L-	43+00	45+50	RT	200
6	-L-	47+00	52+00	RT	590
7	-L-	62+50	63+00	LT	45
8	-L-	73+00	78+00	LT	790
9	-L-	81+50	82+50	RT	100
9	-L-	86+00	89+49	RT	245
9	-L-	90+50	93+00	RT	180
9	-L-	82+00	89+00	LT	665
9	-L-	89+50	93+50	LT	290
10	-L-	97+00	104+00	LT	995
10	-L-	104+31	105+28	LT	235
10	-L-	105+50	108+82	LT	285
10	-L-	99+00	105+41	RT	485
11	-L-	109+50	111+00	LT	100
11	-L-	115+50	117+50	LT	155
11	-L-	121+00	122+50	LT	105
11	-L-	109+00	111+00	LT	225
11	-L-	121+50	123+00	RT	160
12	-L-	123+00	125+50	RT	185
12	-L-	122+50	127+75	LT	755
13	-L-	143+50	145+00	LT	150
13	-L-	148+50	149+44	LT	70
13	-L-	142+00	143+00	RT	70

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
13	-L-	144+00	144+50	RT	25
13	-L-	146+50	148+00	RT	225
14	-L-	154+50	156+00	LT	120
15	-L-	162+50	165+50	LT	515
15	-L-	169+00	171+50	LT	290
15	-L-	159+50	161+00	RT	240
15	-L-	161+00	166+50	RT	400
15	-L-	167+50	171+50	RT	420
17	-L-	183+50	189+90	RT	480
17	-L-	192+50	193+00	RT	90
17	-L-	183+00	191+15	LT	1190
18	-L-	196+50	201+00	LT	690
18	-L-	207+00	218+00	LT	1295
18	-L-	196+50	199+50	RT	490
19	-L-	210+00	217+00	RT	795
19	-L-	218+50	224+00	RT	840
19	-L-	218+70	224+00	LT	1130
20	-L-	228+50	229+50	RT	150
21	-L-	245+50	248+00	RT	225
21	-L-	237+00	238+50	LT	240
21	-L-	241+50	243+00	LT	150
22	-L-	252+00	265+00	RT	975
22	-L-	252+00	260+50	LT	1080
22	-L-	261+00	264+50	LT	310
23	-L-	268+00	276+50	RT	1045
			SUBTOTAL		22235

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-3A
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)
23	-L-	268+50	270+50	LT	230
24	-L-	279+00	284+00	RT	640
24	-L-	288+50	290+00	RT	115
24	-L-	293+00	293+50	RT	90
24	-L-	279+50	283+50	LT	270
24	-L-	288+00	291+00	LT	230
24	-L-	293+00	294+00	LT	30
24	-L-	283+00	283+50	RT	45
25	-L-	295+00	295+50	RT	60
26	-L-	318+50	319+50	LT	140
27	-L-	319+50	331+00	RT	1040
27	-L-	332+00	333+50	RT	180
27	-L-	319+50	327+50	LT	950
27	-L-	328+00	328+50	LT	50
28	-L-	332+00	335+00	LT	230
28	-L-	337+00	342+40	LT	540
28	-L-	333+50	334+50	RT	160
28	-L-	336+00	338+50	RT	190
28	-L-	339+50	342+50	RT	355
29	-L-	356+50	357+00	LT	75
29	-L-	358+50	360+00	LT	155
29	-L-	355+50	357+00	RT	340
30	-L-	361+00	362+50	LT	160
30	-L-	368+00	373+50	LT	660
30	-L-	359+00	359+50	RT	50
30	-L-	360+50	362+50	RT	215
30	-L-	363+50	364+50	RT	175
30	-L-	367+00	375+50	RT	1525
31	-L-	379+50	381+50	RT	515
31	-L-	383+00	383+50	RT	80

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
31	-L-	385+00	386+50	RT	210
31	-L-	379+50	386+50	LT	770
32	-L-	387+00	389+00	RT	280
32	-L-	399+00	400+00	RT	295
32	-L-	388+00	388+50	LT	100
33	-L-	400+00	402+00	RT	575
33	-L-	409+00	412+00	RT	500
33	-L-	401+50	402+00	LT	50
33	-L-	406+75	408+00	LT	580
33	-L-	409+00	411+50	LT	320
34	-L-	413+00	414+50	RT	125
34	-L-	416+00	420+00	RT	635
4	-Y1-	12+25	14+00	RT	340
6	-Y2-	10+75	11+00	LT	15
6	-Y2-	12+00	12+25	LT	5
6	-Y2-	11+50	12+25	RT	65
14	-Y4-	11+25	13+00	LT	155
14	-Y4-	11+75	12+50	RT	90
20	-Y5-	12+00	12+75	LT	50
20	-Y5-	12+00	12+75	RT	80
20	-Y6-	12+75	13+75	LT	70
20	-Y6-	10+75	13+75	RT	205
21	-Y6-	14+00	14+50	RT	65
33	-Y7-	10+50	11+25	LT	80
				SUBTOTAL	15155

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-3B
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)
33	-Y7-	10+50	11+25	RT	85
33	-Y8-	11+75	12+25	RT	85

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
				SUBTOTAL	170
	SUBTOTAL OF EC-3 TO		EC-3B		37560
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE				ENGINEER	88690
				TOTAL	126250
				SAY	126300

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-3C
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
8	-L-	78+00	81+00	LT	435
9	-L-	93+00	93+50	RT	25
9	-L-	81+00	82+00	LT	70
10	-L-	104+00	104+31	LT	90
11	-L-	111+00	113+00	LT	145
11	-L-	112+50	115+00	RT	420
12	-L-	129+36	131+00	RT	120
12	-L-	135+23	140+50	LT	735
13	-L-	137+00	142+00	RT	880
15	-L-	171+50	172+50	RT	180
16	-L-	181+70	183+40	RT	185
17	-L-	192+00	192+50	RT	120
17	-L-	193+00	196+50	RT	660
18	-L-	193+00	196+50	LT	450
18	-L-	209+00	210+00	RT	40
24	-L-	285+50	286+00	RT	45
24	-L-	285+00	288+00	LT	180
24	-L-	291+00	293+00	LT	215
26	-L-	318+36	319+50	RT	190
29	-L-	353+00	356+50	LT	735
29	-L-	357+00	358+50	LT	150
29	-L-	347+00	348+60	RT	435
29	-L-	351+25	353+50	RT	60
29	-L-	354+00	355+50	RT	400
29	-L-	357+00	358+00	RT	245
30	-L-	360+00	361+00	LT	100
30	-L-	358+00	359+00	RT	150
32	-L-	389+00	395+00	RT	715
32	-L-	391+00	395+50	LT	360
33	-L-	402+00	407+00	RT	1165

PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
33	-L-	402+00	406+50	LT	475
34	-L-	414+50	416+00	RT	170
				SUBTOTAL	10345
	ADDITIONAL PSRM TO BE INSTALLED				6495
				TOTAL	16840
				SAY	16900

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-3D
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.

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-04/CONST.04
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 04

NAD 83/NSRS 2007

-L- POT Sta. 10+00.00

-L- PC Sta. 12+95.91 LB=
-LREV- PC Sta.12+95.91 LA

-L- PC Sta.13+69.46

-LREV- PT Sta. 24+20.07 LB =
-L- PT Sta.24+24.43 LA

-L- PT Sta. 23+50.87

LORITA SMITH PARKS AND HUSBAND BRIAN C. PARKS

1

TO CHINA GROVE

50' TAPER TYP.

SPECIAL CUT DITCH SEE DETAIL K

REMOVE

+53.06 -L- EXIST. R/W

+95.91 -LREV- 30.00'

Temporary Rock Silt Check Type A 2.5 ft. weir height

8 CHESTER LEMLEY AND WIFE PATRICIA LEMLEY

9 DAVID W. PAYNE AND WIFE ELLEN M. PAYNE

10 YVONNE F. COLEY

W. JERRY LIPPARD

2

TIE TO EXISTING DITCH

BEG 2"-6" C&G +100.00 -LREV- 15.00'

BEGIN 8"X18" CONC. CURB CHANNELIZATION +101.36 -LREV- 32.00'

END 2"-6" C&G END 8"X-18" CONC.CURB CHANNELIZATION +27.65 -LREV- 31.90'

4 STEVIE BELL

DO NOT DISTURB U/G TANKS, METAL CANOPY, SIGN, AIR COMPRESSOR, OR TELEPHONE

BEG 2"-6" C&G +51.53 -Y1- 29.00'

END 2" FDPS

BEGIN TIP PROJECT W-5313
-L- POT Sta. 10+25.00

END 2"-6" C&B +00.00 -Y1- 3.00'

SPECIAL CUT BASE DITCH W/SSRM SEE DETAIL E

+80.00 -Y1- 35.00' 40.00'

+41.00 -Y1- 40.00'

END 2"-6" C&G +86.24 -Y1- 29.00'

DO NOT DISTURB FO CONCENTRATOR SITE

6'X6' RIPRAP PAD 2 TONS CL B 7 S.Y. GEOTEXTILE

+34.47 -L- 120' R

JOHN L. FUNDERBURK (WIDOWER)

7

END CONSTRUCTION
-Y1- Sta. 14+20.00

RIP RAP CL B EST. 5 TONS GEOTEXTILE EST. 14 SY'S

+20.00 -Y1- 35.00' 40.00'

STANDARD BASE DITCH SEE DETAIL A

WILLIAM RAYMOND BAXTER AND WIFE LUANN GULLEDGE BAXTER

6

SPECIAL SHOULDER GRADING SEE CROSS SECTIONS -Y1- STA 13+75 – 14+00 LT.

5 GINA RENEE BEAVER

-Y1- POT Sta. 16+47.86

40 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 4.1B

OBLITERATE AND GRADE TO DRAIN

GRADE TO DRAIN

TIE TO EXISTING SWALE

-Y1- POT Sta. 9+86.86 =
-LREV- POC Sta.17+69.06

+13.78 -LREV- EXIST. R/W

-Y1- POT Sta. 10+00.00 =
-L- POC STA.17+63.00

PAVEMENT TO BE OBLITERATED

SPECIAL CUT DITCH SEE DETAIL I

+24.43 -L- 30.00'

5 64°25'16.01"E

MATCH LINE SHEET 5 -L- STA. 25+00.00

BOSTIAN SCHOOL

SPECIAL SHOULDER GRADING SEE CROSS SECTION -LREV- STA 24+00 RT

THE ROWAN-SALISBURY BOARD OF EDUCATION

11

SPECIAL CUT DITCH SEE DETAIL K

THE ROWAN-SALISBURY BOARD OF EDUCATION 11

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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(Cons_Plan_Prof_2007)

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-05/CONST.05
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 05

NAD 83/NSRS 2007

50 x 30 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
6 ft. weir
ID 5.1B

MATCH LINE SHEET 4 -L- STA. 25+00.00

MATCH LINE SHEET 6 -L- STA. 39+00.00

-L- PC Sta. 37+64.52

-L- PT Sta. 30+19.45

-L- PC Sta. 28+87.47

BOSTIAN SCHOOL

DO NOT DISTURB SCHOOL SIGN

DO NOT DISTURB
SEPTIC SYSTEMS

Temporary Rock
Silt Check Type A
2 ft. weir height

10 YVONNE F. CROLEY

12 DANIEL & DANA WADSWORTH

13 VIRGIL REID PATTERSON AND WIFE CATHY B. PATTERSON

15 WALTER GARDNER AND WIFE MELISSA GARDNER

15 WALTER GARDNER AND WIFE MELISSA GARDNER

17 WALTER H. GARDNER AND WIFE MELISSA ANNE SNIPES

18 STAMIE M. CLINE AND WIFE PATRICIA J. CLINE

21 JEFFREY S. MORGA

11 THE ROWAN-SALISBURY BOARD OF EDUCATION

13A PAMELA DENISE HINES

14 CARL L. MILSTEAD

16 ROSS I. LIPE AND WIFE SHIRLEY L. LIPE

19 DARRYL R. LIPE AND WIFE KIMBERLY LIPE

20 TONY L. SEAGRAVES AND WIFE CAROLYN P. SEAGRAVES

22 TAMMY RENEE SEAGRAVES

SPECIAL CUT DITCH SEE DETAIL I

SPECIAL CUT DITCH SEE DETAIL J

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH SEE DETAIL S

STANDARD V DITCH SEE DETAIL X

RIP RAP CL B EST. 5 TONS GEOTEXTILE EST. 14 SY'S

RIP RAP CL B EST. 3 TONS GEOTEXTILE EST. 10 SY'S

DITCH TURNS OUT

GRADE TO DRAIN

S 64°25'16.0" E
OLD BEATTY FORD R. SR 1221 26' BST

S 64°08'41" E 305.71'

S 61°42'33" E 119.71'

N 67°14'01" W 238.23'

S 61°54'01.7" E

S 62°22'12" E 183.74'

S 62°22'12" E 176.93'

S 87°28'54" E 65.77'

N 00°43'00" W 56.25'

S 62°22'12" E 36.53'

N 00°25'30" E 143.77'

N 00°25'30" E 193.55'

N 24°51'44" E 230.76'

N 25°32'10" E 226.07'

N 18°32'24" E 24.42'

N 21°51'25" E 182.77'

N 21°51'25" E 191.26'

N 21°54'30" E 343.19'

S 29°32'26" W 194.21'

S 29°32'26" W 132.55'

S 29°25'26" W 304.88'

S 29°25'26" W 305.11'

S 28°29'09" W 49.52'

S 27°09'39" W 361.96'

S 41°43'39" W 281.63'

S 02°24'40" W 432.20'

S 66°53'41" E 62.58'

N 79°47'39" E 373.52'

N 79°47'39" E 100.00'

N 55°16'25" W 350.60'

-HPB-

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-06/CONST.06
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83 NSRS 2007

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 06

DO NOT DISTURB
WELL ON PARCEL 24

DWIGHT L. ROGERS

HAYDEN M. CAMPBELL, JR.
AND WIFE
MARSHA W. CAMPBELL

WILLIAM C. TROUTMAN
AND WIFE
HELEN CLINE TROUTMAN

JEFFREY S. MORGAN

BARBARA CAROLYN PATTERSON

RICHARD A. WETHERBEE
AND WIFE
LINDA M. WETHERBEE

REGGIE H. COOK
AND WIFE
SHERRI L. COOK

CARLOS SOTO

JEFFERY W. HENSLEY
AND WIFE
MAJORIE N. HENSLEY

JAMES D. BAILEY
AND WIFE
PHYLLIS A BAILEY

WILLIAM H. HONEYCUTT
AND WIFE
MELISSA D. HONEYCUTT

SUE F. BOONE
CHARLES THOMAS FAGGART
TRUSTEES

DO NOT DISTURB
WELL ON PARCEL 31

HISTORIC PROPERTY BOUNDARY
PROTECTED WITH SAFETY FENCE

STIREWALT–FAGGART
HOUSE

-L- PT Sta. 43+61.04

-L- PC Sta. 47+53.98

-L- PT Sta. 51+01.49

-Y2- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y2- Sta. 10+75.00

-Y2- POT Sta. 12+60.70
= -L- Sta 51+35.00

MATCH LINE SHEET 5 -L- STA. 39+00.00

MATCH LINE SHEET 7 -L- STA. 53+00.00

30 x 10 x 3
ID 6.1B

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT DITCH
SEE DETAIL J

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL S

SPECIAL CUT DITCH
WITH RIP RAP
SEE DETAIL P

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
-Y2- STA 10+75 TO 11+00 LT.

SPECIAL SHOULDER GRADING
SEE CROSS SECTION
-Y2- STA 12+00 LT.

BOTH 18" & 24"
CL B RIP RAP
EST. 7 TONS
GEOTEXTILE
EST. 21 SY'S

STANDARD
'V' DITCH
SEE DETAIL Z

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY'S

CL B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 SY'S

CL B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 SY'S

GRADE TO DRAIN

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-07/CONST.07
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 07

S 73°41'38" E
330.74'

N 14°54'58" E
151.79'

S 76°24'27" E
99.92'

EIP

WOODS

OLD CONCORD RD SR 2021

CEMETERY

36
EBENEZER LUTHERAN CHURCH

IS BK CHURCH

PAVILION

BK CANOPY

CONC

-L- PC Sta. 62+15.10

GRADE TO DRAIN

DO NOT DISTURB SIGN ON PARCEL 36

If this comment is to eliminate drive pipe, change this note's level to printable level, delete C13 along side street & submit
SUBMITTED from 58+00 - 59+50 Lt
SPECIAL GRADING SEE CROSS SECTIONS STA.57+50 TO STA.59+50-L- LT.

+15.67
45'R, 4' OFFSET
10:1 TAPER

SPECIAL GRADING SEE CROSS SECTIONS STA.53+00 TO STA.54+00-L- LT.

SPECIAL GRADING SEE CROSS SECTIONS STA.63+00-L- LT.

DITCH TURNS OUT

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

28
WILLIAM C. TROUTMAN
AND WIFE
HELEN CLINE TROUTMAN

BOB RAY PLEVINS (LIFE ESTATE)
BETTY PLEVINS
AMANDA D LINKER

IDIL

INOPERABLE GRAINERY

40

HTR

MATCH LINE SHEET 6 -L- STA. 53+00.00

MATCH LINE SHEET 8 -L- STA. 67+00.00

-EL-

-L-

S 65°22'43" E

AUE

HPB

TDE

FDPS

CULTIVATED

WOODS POSTS

BST

REMOVE

EXISTING R/W

SPECIAL CUT DITCH
SEE DETAIL I

DO NOT DISTURB SIGN ON PARCEL 32

DO NOT DISTURB IU/G TANKS ON PARCEL 33

IU/G TANK @ 10000 GAL
IU/G TANK @ 8000 GAL
D/G KEROSENE

CANOPY W/ 2 PUMPS

IS BK BUS

IS BK D

+18.75
40'R

+34.85
45'R, 4' OFFSET
10:1 TAPER

SPECIAL CUT DITCH
SEE DETAIL J

STANDARD 'V' DITCH
SEE DETAIL Z

4' CONC

TIE TO EXISTING SWALE

GRADE TO DRAIN

CAMPUNIT

TIE TO EXISTING DITCH

+03.54
30'R

+07.66
30'R

RUBY K MARTIN (LIFE ESTATE)

35

34
GREGORY HAROLD SAFRIT

BERND H. &
MARY K HOFMANN

36A

33
JOHN MICHAEL FOX
AND WIFE
CATHERINE N. FOX

32
SUE F. BOONE
CHARLES THOMAS FAGGART
TRUSTEES

STIREWALK-FAGGART HOUSE

S 23°48'30" W
284.23'

N 63°34'55" W
200.20'

N 63°34'55" W
273.22'

S 67°39'06" E
124.01'

S 13°37'24" W
245.46'

S 13°37'24" W
69.11'

S 7°44'14" W
234.26'

S 13°37'24" W
269.33'

S 23°43'11" W
288.88'

S 82°16'40" E
122.66'

S 12°47'29" W
23.53'

S 07°41'10" W
26.58'

-L- PT Sta. 63+56.30

END 2' FDPS

EXISTING R/W

RAY KUNE RD SR 2570

TO OLD CONCORD RD

20' BST

10' GRV

JIMMY H. DAVIS
AND WIFE
DEBRA J. DAVIS

37

38
BOYDEN L. BROWN
DALE K. BROWN &
BOYDEN L. BROWN, SR (LIFE ESTATE)

39
BOBBY LYNN PROPST
ELLEN RENAE MEASMER

ISFD

HTR

S

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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Microstation CE REVISION 8.1

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-08/CONST.08
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 08

NAD 83/NSRS 2007

24 x 10 x 3
ID 8.1B

26 x 10 x 3
ID 8.2B

35 x 10 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 8.3B

BOB RAY BLEVINS (LIFE ESTATE)
BETTIE BLEVINS &
AMANDA D LINKER

JULIA A RADER-PACIFICO (WIDOW)

JERRY RAY STIREWALT

MICHAEL LEE STIREWALT

DEBORAH SAGER
AND HUSBAND
CHRISTOPHER SAGER

BOBBY LYNN PROPST
ELLEN RENAE MEASMER

GEORGE F. STIREWALT

MATCH LINE SHEET 7 -L- STA. 67+00.00

MATCH LINE SHEET 9 -L- STA. 81+00.00

-L- PC Sta. 78+15.27

SPECIAL CUT DITCH
SEE DETAIL J

SPECIAL CUT DITCH
SEE DETAIL S

SPECIAL GRADING SEE CROSS SECTIONS
STA.70+00 TO STA.71+00-L- RT.

SPECIAL GRADING SEE CROSS SECTIONS
STA.80+00 TO STA.81+00-L- RT.

DITCH TURNS OUT

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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Microstation V8i (08.11.07.443)

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-09/CONST.09
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 09

MATCH LINE SHEET 8 -L- STA. 81+00.00

MATCH LINE SHEET 10 -L- STA. 95+00.00

46 — MICHAEL LEE STIREWALT

47 — JACOB H. H. SLOOP & MARY LOU SNEAD SLOOP

49 — NADINE J. OWENS (WIDOW)

50 — REBECCA FORD THOMASON AND HUSBAND DALE LEE THOMASON

51 — JACOB H. H. SLOOP AND WIFE MARY LOU SNEAD SLOOP

54 — DANNY H. SLOOP AND WIFE SUSAN B SLOOP

55 — STEVEN C. SELLERS AND WIFE LYNN B. SELLERS

57 — TIMOTHY G. WOMBLE AND WIFE SONIA S. WOMBLE

45 — GEORGE F. STIREWALT

48 — CHRISTOPHER CLINE AND WIFE MONTIE STIREWALT CLINE

52 — THE MARY ALICE CARPENTER REVOCABLE TRUST

53 — HASKEL BROWN TROUTMAN AND WIFE LINDA I. TROUTMAN

56 — THE MARY ALICE CARPENTER REVOCABLE TRUST

-L- PT Sta. 83+48.10

38 x 12 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 9.1B

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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Microstation CE (RELEASE 07.11.07.384)

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-10/CONST.10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

57
TIMOTHY G. WOMBLE
AND WIFE
SONIA S. WOMBLE

N 0°56'31" E
194.25'

NAD 83 NSRS 2007

-L- PC Sta. 96+56.94

95

S 87°36'02" E
504.80'

S 88°05'54" E
177.54'

S 88°13'28" E
145.85'

S 88°08'27" E
263.41'

61
CLAUDE J. BURRIS, JR.

58
TIMOTHY D. ROBERTS
AND WIFE
KIMBERLY H. ROBERTS

100

105

62
SHANE J. TESCH
AND WIFE
STEPHANIE L. TESCH

N 0°56'08" W
532.75'

57 x 13 x 3
ID 10.1B

-L- PT Sta. 103+26.69

SPECIAL GRADING
SEE CROSS SECTIONS
STA.96+00 & STA 96+50 LT.

FALSE SUMP
SEE DETAIL AI &
CROSS SECTION
STA. 96+00 LT.

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT DITCH
SEE DETAIL J

SPECIAL CUT BASE DITCH
SEE DETAIL D

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT DITCH
SEE DETAIL R

FALSE SUMP
SEE DETAIL AJ

MATCH LINE SHEET 9 -L- STA. 95+00.00

MATCH LINE SHEET 11 -L- STA. 108+60.00

S 53°07'17" W

S 50° 24.9" E

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

SPECIAL CUT DITCH
SEE DETAIL R

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT DITCH
SEE DETAIL R

SPECIAL CUT DITCH
SEE DETAIL I

DITCH TURNS OUT

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

STANDARD 'V' DITCH
SEE DETAIL Y

THE MARY ALICE CARPENTER
REVOCABLE TRUST
56

ALAN K. KUEHL, JR.
AND WIFE
LYNN N. KUEHL
59

60
ALAN K. KUEHL
AND WIFE
ELAINE F. KUEHL

60
ALAN K. KUEHL
AND WIFE
ELAINE F. KUEHL

S 0°10'29" W
696.76'

S 37°55'57" W
536.86'

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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Autodesk Civil Rel 2015 (x64)

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-11/CONST.11
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

NAD 83(NSRS 2007)

MATCH LINE SHEET 10 -L- STA. 108+60.00

MATCH LINE SHEET 12 -L- STA. 122+50.00

65
AMELDIA KAY WAGONER (WIDOW)

66
CARL DEAN MCGINNIS
AND WIFE
KELLY F. MCGINNIS

72
MICHAEL GRADY
AND WIFE
BONNIE GRADY

63
DAVID M. EAGLE
AND WIFE
NATASHIA D. EAGLE

64
EQUITY TRUST COMPANY

67
DIANE A. DILL
AND HUSBAND
KIRBY DILL

68
HELEN S. DOYLE

69
RODNEY M. GOODMAN

60
ALAN K. KUEHL
AND WIFE
ELAINE F. KUEHL

71
ROBERT MICHAEL BEVILACQUA

73

110
115
120

N 89°13'58" E 343.01'
N 89°13'58" E 149.35'
N 00°46'28" W 113.64'
N 00°44'41" W 298.39'
N 00°42'01" W 324.38'

S 71°50'24.9" E
S 63°36.0' E
S 84°28'41" E 161.05'
N 86°59'19" E 165.34'
N 86°59'19" E 40.00'
S 07°18'15" W 79.61'
S 07°18'39" E 44.50'
N 88°42'31" E 133.77'
S 06°28'W E 176.97'
S 00°56'09" E 371.39'
S 00°29'57" E 521.88'

-L- PC Sta. 110+23.11
-L- PT Sta. 113+56.09
-L- PC Sta. 115+56.09
-L- PT Sta. 118+11.89

END VARIABLE DEPTH MILLING
BEGIN 2.5" MILLING
BEGIN GRADE LI
-L- STA. 120+20.00

END GRADE LB
END 2.5" MILLING
BEGIN VARIABLE DEPTH MILLING
-L- STA. 119+26.00

BEGIN EXIST. BRIDGE
-L- STA 119+26 (+/-)

END EXIST. BRIDGE
-L- STA 120+18 (+

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT DITCH
SEE DETAIL Q

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
-L-STA. 114+50 LT.

SPECIAL GRADING SEE CROSS SECTIONS
STA. 120+50-L- LT.

SPECIAL GRADING SEE CROSS SECTIONS
STA. 120+50-L- RT.

DITCH TURNS OUT

TOE PROTECTION
SEE DETAIL T

6"PVC TO POND
MTL GATE
FIRE DEPT HOOKUP
200.00' BURY POWER DB 353 PG 417
SOUTH BUFFALO CREEK

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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kwilkerson
(RFEW27)384

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-12/CONST.12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

NAD 83/NSRS 2007

72 MICHAEL GRADY AND WIFE BONNIE GRADY

74 JERRY DEAN GARMON AND WIFE TAMMY D. GARMON

75 WILLIAM A LASHLEY III AND TERRI LASHLEY V

76 ANTHONY STEPHEN MORENO AND WIFE PATRICIA ANN MORENO

78 HERMAN C. ABSHER AND WIFE JOY F. ABSHER

73 JAMES S. MOORE AND WIFE MELISSA MOORE

77 JUDY R. PLESS AND HUSBAND VAN STEVEN PLESS

N 40°29'28" E 250.05'
N 40°33'51" E 109.36'
N 40°26'04" E 33.01'
N 00°21'00" E 385.06'
N 09°59'09" E 130.58'
N 05°52'18" E 255.67'
N 18°40'01" E 85.82'
S 69°36'36" E 128.02'
S 85°04'15" E 610.50'
N 89°25'42" E 426.6'
N 82°32'07" E 273.99'
N 82°32'07" E 139.75'
N 82°32'07" E 330.64'
N 82°25'45" E 80.62'
S 08°56'18" E 388.40'
N 20°30'00" W 210.00'

-L- PC Sta. 123+88.64
-L- PT Sta. 126+93.39
MATCH LINE SHEET 13 -L- STA. 136+50.00
MATCH LINE SHEET 11 - STA. 122+50.00

46 x 10 x 3
4 ft. weir
ID 12.2B

40 x 12 x 3
ID 12.4B

30 x 14 x 3
ID 12.3B

45 x 15 x 3
ID 12.1B

DO NOT DISTURB TREES AND GATE

SPECIAL LATERAL GRASSED SWALE SEE DETAIL AF

CL B RIP RAP EST. 1 TON GEOTEXTILE EST. 5 SY.'S

DITCH TURNS OUT

CL B RIP RAP EST. 3 TON'S GEOTEXTILE EST. 10 SY.'S

SPECIAL CUT DITCH SEE DETAIL I

SPECIAL CUT DITCH SEE DETAIL Q

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH WITH PSRM SEE DETAIL O

TOE PROTECTION SEE DETAIL AG

FALSE SUMP SEE DETAIL AI

BANK STABILIZATION SEE DETAIL AM

6'X6' RIPRAP PAD 2 TONS CL B 7 S.Y. GEOTEXTILE

TIE TO EX. DITCH

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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Alisa.Good ALISA.GOOD@NCDOT.GOV

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-13/CONST.13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

NAD 83/NSRS 2007

MATCH LINE SHEET 12 -L- STA. 136+50.00

MATCH LINE SHEET 14 -L- STA. 148+75.00

-L- PC Sta. 143+19.17

78
HERMAN C. ABSHER
AND WIFE
JOY F. ABSHER

79A
WEISS PROPERTIES, INC.

79A
WEISS PROPERTIES, INC.

79
WEISS PROPERTIES, INC.

79
WEISS PROPERTIES, INC.

79
WEISS PROPERTIES, INC.

79B
MIRANDA OWENS &
LISA TROUTMAN

79D
NEW LIFE DEVELOPERS, LLC

80
PHANIEL BAPTIST CHURCH

77
JUDY R. PLESS
AND HUSBAND
VAN STEVEN PLESS

CEMETERY

SPECIAL CUT DITCH
WITH PSRM
SEE DETAIL O

SPECIAL CUT DITCH
SEE DETAIL I

+65.92 -L-
EXIST. R/W
30.00'
36.00'

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

SPECIAL CUT DITCH
SEE DETAIL K

DITCH TURNS OUT

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL LATERAL 'V' DITCH
SEE DETAIL AB

+19.17 -L-
30.00'

+26.36 -L-
EXIST. R/W
30.00'

+76.18 -L-
EXIST. R/W
32.00'

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
-L- STA 142+00 TO 144+00 RT

INV. 765.95

REMOVE

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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kevinpowell
REVISED 2.1.0

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-14/CONST.14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

58 x 15 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
4 ft. weir
ID 14.1B

NAD 83/NSRS 2007

-Y3- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y3- POT Sta.10+50.00
S 16°36' 02.8" E

-L- PT Sta. 149+88.37

-L- POT Sta.152+45.00 =
-Y3- POT Sta. 12+24.08

-Y3- PC Sta. 10+32.53

-Y3- PT Sta. 11+49.71

-L- PC Sta. 153+61.07

-L- POT Sta. 152+45.00 =
-Y4- POT Sta. 10+00.00
S 16°36' 02.8" E

-Y4- PC Sta. 10+65.91

-Y4- PRC Sta. 12+23.85

END CONSTRUCTION
-Y4- POC Sta.13+75.00

-Y4- PT Sta. 13+76.17

-Y4- POT Sta. 14+90.87

ESTATE DEVELOPERS

PANTAS PROPERTIES, LLC

LESTER RAY TROUTMAN
AND WIFE
ELIZABETH L. TROUTMAN

DAVID M. DENNIS

RUBY D. STOKES (LIFE ESTATE) &
TIFFANY MILSTEAD SHOE

VAUGHN HOKE WILHELM &
DICO MURPHY WILHELM
(LIFE ESTATE)

TINA HODNETT

JOHN W. RUSSELL
AND WIFE
MARTHA A. RUSSELL

PHANIEL BAPTIST CHURCH

DO NOT DISTURB WELLS

DO NOT DISTURB ISFD

MATCH LINE SHEET 13 -L- STA. 148+75.00

MATCH LINE SHEET 15 -L- STA. 156+50.00

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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clkirkman
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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-15/CONST.15
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 15

NAD 83/NSRS 2007

MATCH LINE SHEET 14 -L- STA. 156+50.00

MATCH LINE SHEET 16 -L- STA. 169+25.00

9°20'58" E STONE
4.36'

N 78°26'06" E
515.00'

160

165

84
VAUGHN HOKE WILHELM &
DICO MURPHY WILHELM (LIFE ESTATE)

90
WENDY M. STEEN
REBECCA M. BROADWAY

27 x 9 x 3
ID 15.1B

M & ELM

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL LATERAL 'V' DITCH
SEE DETAIL AB

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL K

2 FDPS

INV 770.25

INV 771.27

INV 769.91'
36" WOOD

INV 770.25

INV 769.20

INV 768.80
CONC

INV 769.82

INV 770.25

N 61°16'49.5" E

OLD BEATTY FORD RD, SR 1221 22' BST

-L-

ELAB

-L- PC Sta. 162+03.40

-L- PT Sta. 157+04.36

-L- PT Sta. 167+43.05

N 69°00'

CL B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 TONS

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
-L- STA 158+00 TO 159+00 RT

TIE TO EXISTING
DITCH
SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL K

STANDARD BASE DITCH
SEE DETAIL A

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL LATERAL 'V' DITCH
SEE. DETAIL AA

86A

JESSICA HATHCOCK

S 28°45'50" E
200.00'

N 61°02'10" E
80.67'

48" WILLOW OAK

86
JOHN W. RUSSELL
AND WIFE
MARTHA A. RUSSELL

87
ROBERT DEAN ASHBY
AND WIFE
LAURA J. ASHBY

88
KEITH ROBERT SHUPING
AND WIFE TAMMY S. SHUPING

89
MARIA DEL CARMEN HERNANDEZ &
HORTENCIA ANDAYA

91
KATHRYN A. BARKLEY

S 29°02'16" E
108.41'

S 29°49'47" E
317.58'

S 34°02'31" E
374.28'

N 62°09'43" E
202.58'

N 68°44'46" E
75.00'

N 62°14'01" E
262.94'

EIP

AXLE

PAVEMENT TO BE OBLITERATED

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-16/CONST.16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

NAD 83/NSRS 2007

MATCH LINE SHEET 15 -L- STA. 169+25.00

MATCH LINE SHEET 17 -L- STA. 183+00.00

90 WENDY M. STEEN
REBECCA M. BROADWAY

92 GENE BRADFORD STEEN
AND WIFE
WENDY M. STEEN

94 CHUCK E. BROADWAY
AND WIFE
REBECCA M. BROADWAY

95 DUANE HOWARD WOODIE

98 DENNIS A. DANIELS
AND WIFE
AMY DANIELS

91 KATHRYN A. BARKLEY

93 CAROLYN L. BOYD

96 DALE ROBIN WOODIE &
REBA WOODIE (WIDOW)

97 GERALD EDWARDS
JANET W. EDWARDS

Modified Silt Basin
Type 'B'
17 x 11 x 3
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 16.1B

17 x 11 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 16.1B

47 x 10 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 16.3B

Modified Silt Basin
Type 'B'
32 x 15 x 3
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 16.2B

32 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 16.2B

-L- PC Sta. 178+30.61

-L- PT Sta. 181+83.91

N 69° 00' 36.6" E

N 48°09'00" E 87.90'

N 23°31'57" W 13.94'

N 68°43'43" E 50.15'

N 68°43'43" E 50.15'

N 68°43'43" E 214.78'

N 46°35'05" E 240.83'

N 76°06'17" E 203.30'

N 81°44'37" E 107.70'

S 29°38'22" E 234.39'

N 88°08'31" E 209.38'

N 41°40'15" E 246.32'

S 33°40'51" E 449.11'

S 25°45'20" E 725.80'

S 27°01'25" E 385.90'

N 24°56'00" W 341.55'

N 21°52'22" W 210.81'

S 17°52'31" E 193.57'

S 27°52'31" E 193.57'

INV=701.40

INV=700.80

BEGIN SBG
STA. 179+14 RT

END SBG
STA. 180+30 RT

RCBC 1 @ 9'X8'
-L- STA. 179+65.00

GRAU 350 TL-3

GRAU 350

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL LATERAL 'V' DITCH
SEE DETAIL AA

SPECIAL LATERAL 'V' DITCH
WITH PSRM
SEE DETAIL AC

TOE PROTECTION
SEE DETAIL AG

STANDARD 'V' DITCH
WITH RIP RAP
SEE DETAIL AN

DITCH TURNS OUT

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
STA 177+00 LT

SPECIAL LATERAL 'V' DITCH
WITH RIP RAP
SEE DETAIL AD

TOE PROTECTION
CLASS B RIP RAP 17 TONS
GEOTEXTILE FABRIC 40 SY
SEE DETAIL AH

PLACEMENT OF NATURAL
STREAM BED MATERIAL

SPECIAL LATERAL 'V' DITCH
WITH PSRM
SEE DETAIL AC

SPECIAL CUT DITCH
SEE DETAIL L

CLASS B RIP RAP
EST. 1 TON
GEOTEXTILE
EST. 5 TONS

CLASS B RIP RAP
EST. 1 TON
GEOTEXTILE
EST. 5 TONS

BANK STABILIZATION
SEE DETAIL AO
FILL IN EXISTING SCOUR HOLE:
CLASS II RIP RAP 36 TONS
SIDE SLOPES:
GEOTEXTILE 50 SY
CLASS I RIP RAP 30 TONS

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B
AND TEMPORARY ROCK SILT CHECKS TYPE – A AT
DRAINAGE OUTLETS.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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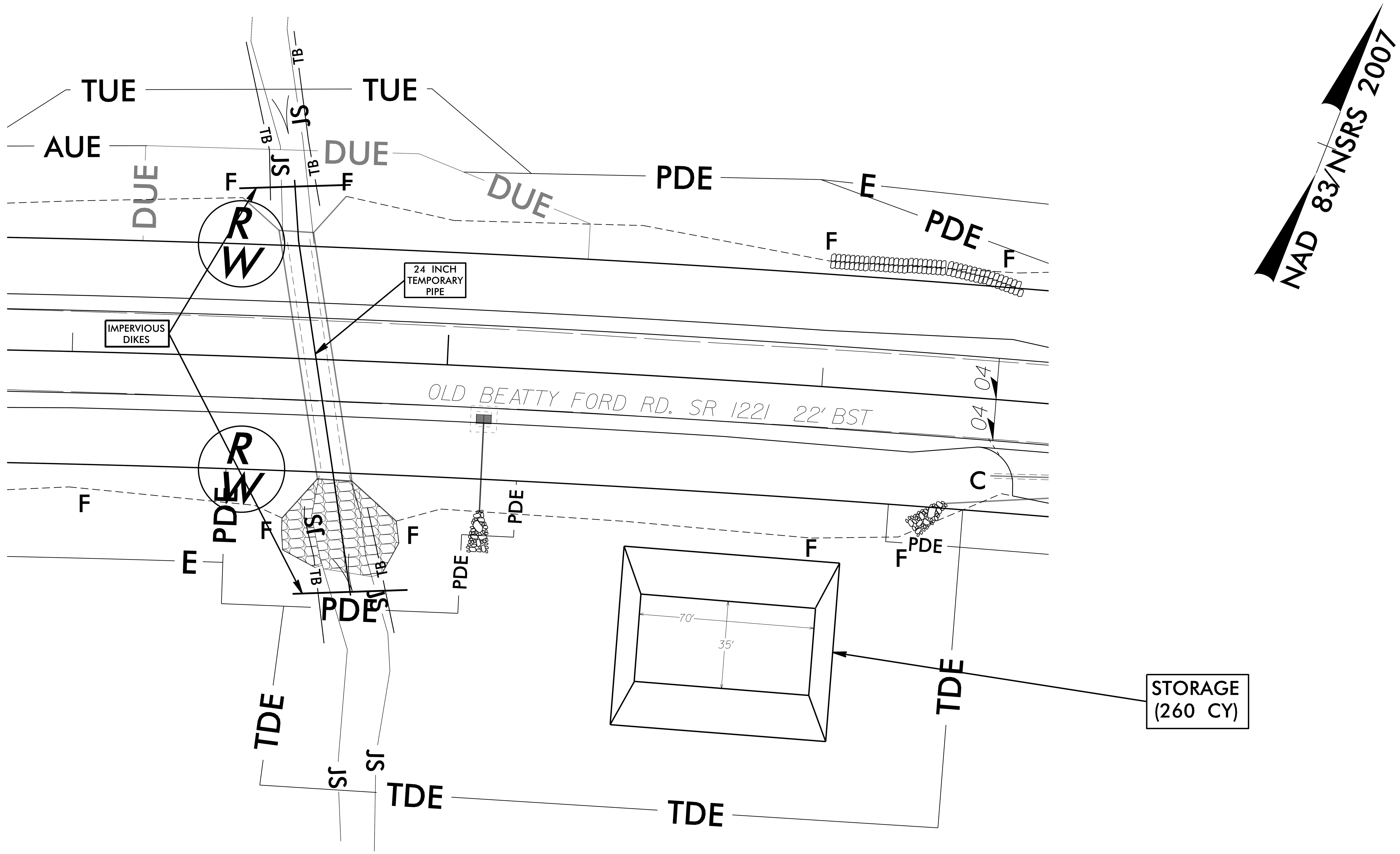
Alignment: -L- (Design) 2.5D

CULVERT CONSTRUCTION SEQUENCE STA. 179+65 –L–

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-16A/CONST.16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

1.INSTALL ALL PROPOSED TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES INCLUDING TEMPORARY STILLING BASIN FOR PUMPED EFFLUENT (STANDARD DRAWING 1630.04) HAVING A MINIMUM VOLUME OF 260 CUBIC YARDS.
2.INSTALL TWO TEMPORARY IMPERVIOUS DIKES, ONE UPSTREAM AND ONE DOWNSTREAM OF PROPOSED REINFORCED CONCRETE BOX CULVERT; INSTALL TEMPORARY 24–INCH WELDED STEEL DIVERSION PIPE BETWEEN THE TWO DIKES; PROVIDE ADEQUATE OUTLET PROTECTION AS NECESSARY.
3.DEWATER WORK AREA AND PUMP EFFLUENT INTO STILLING BASIN.
4.REMOVE EXISTING CORRUGATED METAL PIPE CULVERT AND INSTALL PROPOSED REINFORCE CONCRETE BOX CULVERT AND WING WALLS.
5.BACKFILL WORK AREA AS NECESSARY TO COMPLETE ROADWAY IMPROVEMENTS.
6.REMOVE TEMPORARY PIPE AND IMPERVIOUS DIKES; RESTORE AREA TO NATURAL GROUND.
7.INSTALL PROPOSED BANK STABILIZATION AND COMPLETE PROPOSED ROADWAY IMPROVEMENTS; REMOVE STILLING BASIN.



PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-17/CONST.17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 17

NAD 83/NSRS 2007

GERTRUDE B. SAPP
AND HUSBAND
TIMOTHY N. SAPP

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

35 x 10 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 17.1B

45 x 14 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 17.3B

50 x 14 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 17.2B

185 190 195

MATCH LINE SHEET 16 -L- STA. 183+00.00

MATCH LINE SHEET 18 -L- STA. 196+50.00

DENNIS A. DANIELS
AND WIFE
AMY DANIELS (98)

PENNY ROWLAND

GERALD EDWARDS
JANET W. EDWARDS (97)

WANDA ANN GRIFFIN ADKINS
CYNTHIA JO GRIFFIN (99)

THOMAS W. COLMAN &
CHERYL A. COLMAN (100)

WESLEY (101)

EVA MAE PHILLIPS (WIDOW) (102)

MICHAEL B. MILEM (103)

RONALD S. WALKER
AND WIFE
DAWN SHINN WALKER

OLD NEW HOPE CHURCH RD, SR 1221 22' BST

N 17°26'52" E 565.34'

N 73° 30' 31" E

DITCH TURNS OUT

SPECIAL CUT BASE GRASSED SWALE
SEE DETAIL G

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL LATERAL BASE DITCH
WITH RIP RAP
SEE DETAIL H

SPECIAL CUT BASE DITCH
SEE DETAIL C

STANDARD 'V' DITCH
SEE DETAIL Y

RIP RAP AT EMBANKMENT
SEE DETAIL AL

BANK STABILIZATION
SEE DETAIL AM

ACCESS TO POND FOR SEDIMENT
MONITORING AND MAINTENANCE ONLY

DO NOT ALLOW SEDIMENT
TO DEPOSIT IN POND

FLOATING
TURBIDITY
CURTAIN

RETAIN

487 CMS

REMOVE

TDE

GRAU 350 TW-3

PIPE IS HALF FULL
OF SEDIMENT

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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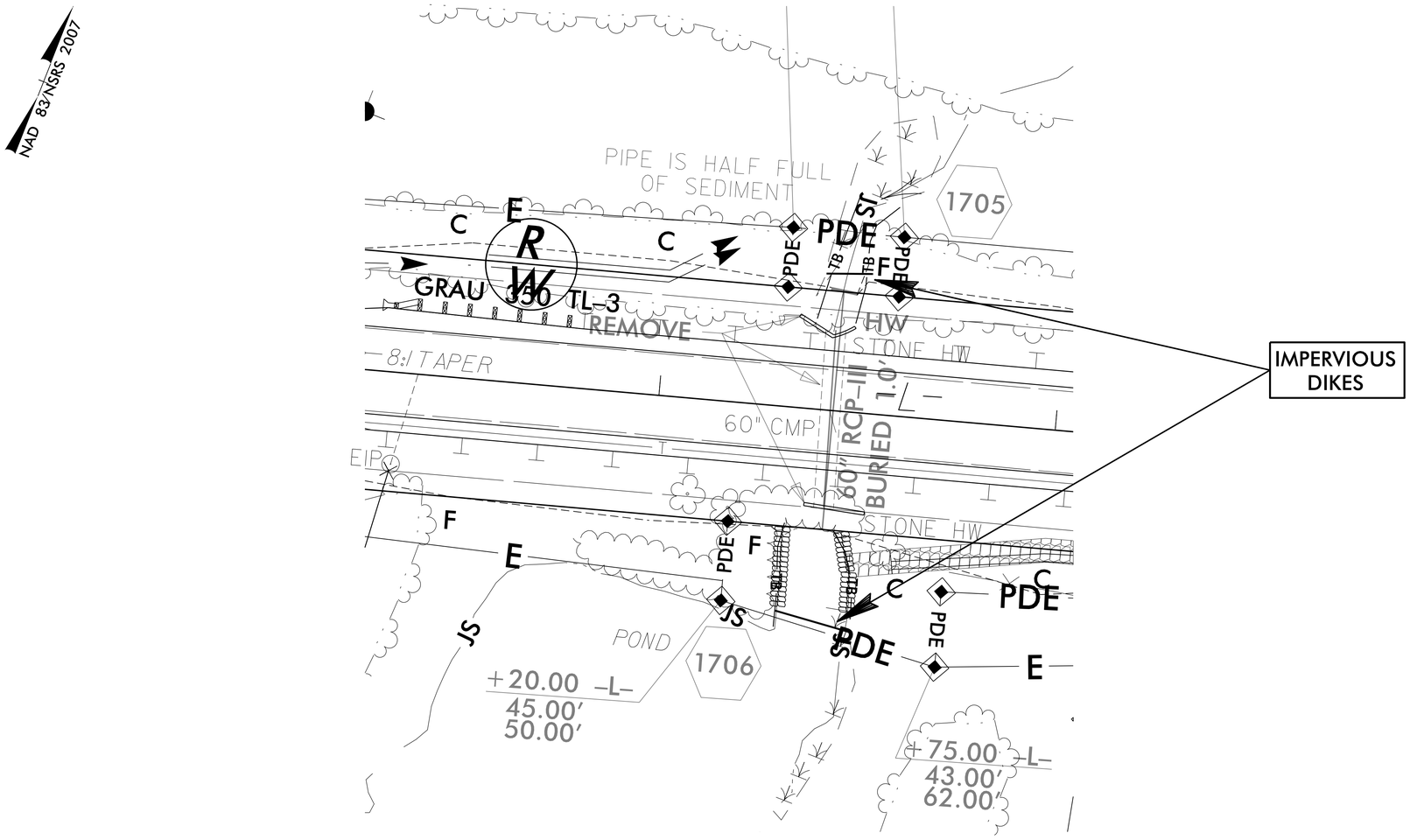
ATREN 263782

PIPE CONSTRUCTION SEQUENCE STA. 191+44 –L–

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-17A/CONST17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

1. INSTALL ALL PROPOSED TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES INCLUDING TURBIDITY CURTAIN; AND SPECIAL STILLING BASIN FOR PUMP AROUND OPERATION (IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES). FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.
2. ADJUST FLOATING TURBIDITY CURTAIN AS NEEDED AS WORK PROGRESSES. SEE SHEET EC–17 FOR TURBIDITY CURTAIN LOCATIONS.
3. INSTALL PUMPS FOR STREAM DIVERSION AND DEWATERING OF THE WORK AREA.
4. INSTALL IMPERVIOUS DIKES AND BEGIN PUMPING OPERATONS; PROVIDE ADEQUATE OUTLET PROTECTION AS NECESSARY.
5. DEWATER WORK AREA AND PUMP EFFLUENT INTO SPECIAL STILLING BASIN. AREA TO BE DEWATERED SHALL BE EQUAL TO ONE DAY'S WORK.
6. REMOVE EXISTING 60" CMP AND INSTALL PROPOSED 60" RCP.
7. BACKFILL WORK AREA AS NECESSARY TO COMPLETE ROADWAY IMPROVEMENTS.
8. REMOVE IMPERVIOUS DIKES, RESTORE AREA TO NATURAL GROUND, AND STABILIZE WITH SEED AND MULCH.
9. INSTALL PROPOSED BANK STABILIZATION AND COMPLETE PROPOSED ROADWAY IMPROVEMENTS; REMOVE ANY REMAINING SPECIAL STILLING BASIN(S).



PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-18/CONST.18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 18

NAD 83/NSRS 2007

MATCH LINE SHEET 17 -L- STA. 196+50.00

MATCH LINE SHEET 19 -L- STA. 210+50.00

-L- PC Sta. 203+36.78

-L- PC Sta. 209+74

-L- PT Sta. 207+55.18

47 x 12 x 3
ID 18.1B

64 x 12 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 18.3B

26 x 10 x 3
1.5 inch Skimmer
with 0.25 inch
Orifice Diameter
4 ft. weir
ID 18.2B

PENNY ROWLAND

106 DENNIS A. DANIELS AND WIFE AMY A. DANIELS

110 DANIEL D. DUGANNE, JR.

112 WILLIAM C. PREVETTE AND WIFE HARRIET L. PREVETTE DB 629 PG 820

111 JOHN G. COLLINS

107 ERIC L. MOORE

108 RODNEY LEE MOORE AND WIFE TONYA H. MOORE

109 JOE WAYNE MOORE AND WIFE VIRGIE C. MOORE

105 RONALD S. WALKER AND WIFE DAWN SHINN WALKER

98

SPECIAL CUT BASE DITCH SEE DETAIL C

SPECIAL CUT DITCH SEE DETAIL K

REMOVE APPROXIMATELY 16 FEET

SPECIAL CUT GRASS SWALE SEE DETAIL AE

CLASS B RIP RAP=2 TON
GEOTEXTILE=7 SY

RIP RAP AT EMBANKMENT SEE DETAIL AL

BANK STABILIZATION SEE DETAIL AM

BURIED 20%

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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rlwilson
PREVIEW 27.184

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-19/CONST.19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 19

NAD 83/NSRS 2007

-L- PT Sta. 214+81.54

112 WILLIAM C. PREVETTE AND WIFE HARRIET L. PREVETTE

114 DORA W. SLOOP (WIDOW)

115 MICHAEL O'BRIANT PARROTT AND WIFE HAVEN PARROTT

35 x 15 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 19.1B

40 x 10 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 19.2B

-L- PC Sta. 218+60.63

-L- PT Sta. 223+62.55

MATCH LINE SHEET 18 -L- STA. 210+50.00

MATCH LINE SHEET 20 -L- STA. 223+75.00

SPECIAL CUT DITCH SEE DETAIL K

STANDARD BASE DITCH SEE DETAIL A

SPECIAL CUT BASE DITCH SEE DETAIL C

CLASS B RIP RAP EST. 3 TONS GEOTEXTILE EST. 11 SY.'S

CLASS B RIP RAP EST. 3 TONS GEOTEXTILE EST. 10 SY.'S

DO NOT DISTURB FO CONCENTRATOR SITE

STEVE M. CANDLER AND WIFE FREDA G. CHANDLER

111 JOHN G. COLLINS

113 WILLIAM JUNIOR GILBERT AND WIFE GLENDA FAYE GILBERT

116 JOHN G. COLLINS & LEA ANN COLLINS BUCKWELL

117 MYRA K. BOST

118

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-20/CONST.20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 20

NAD 83/NSRS 2007

MATCH LINE SHEET 19 -L- STA. 223+75.00

MATCH LINE SHEET 21 -L- STA. 237+45.00

-L- PC Sta. 229+64.92

-L- PT Sta. 232+51.72

-Y5- POT Sta. 10+00.00
JOHN THOMAS DONALDSON

-Y5- PC Sta. 11+31.75

BEGIN CONTRUCTION
-Y5- POC Sta.11+90.00

-Y5- PT Sta. 12+45.84

TIE -Y5- ROADWAY DITCH TO PROPOSED DITCH -L-
-Y5- POT Sta.13+33.49
= -L- Sta.233+56.00
S 32° 30' 55.7" E

-Y6- PC Sta. 10+62.23

-Y6- POT Sta. 10+00.00
= -L- Sta.233+56.00
S 26° 31' 24.5" E

-Y6- PRC Sta. 12+23.56

-Y6- PT Sta. 14+69.00

END CONSTRUCTION
-Y6- POT Sta.15+15.00

-Y6- POT Sta. 15+78.81

-L- PC Sta. 237+05.87

118 STEVE M. CANDLER AND WIFE FREDA G. CHANDLER

117 MYRA K. BOST

119 JANE K. HONBARRIER

120 JANET K. STANCIL AND JEFFERY VANCE KING

121 JEFFERY VANCE KING & JANET KING STANCIL

122 LANE C. BROWN

123 RICHARD BROYLES

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH SEE DETAIL I

TIE -Y5- PROPOSED DITCH TO EXISTING DITCH -L-

GRADE TO DRAIN

OBLITERATE PAVEMENT

ROADWAY DITCH TURNS OUT

CLASS B RIP RAP
EST. 5 TONS
GEOTEXTILE
EST. 14 SY. S

STANDARD BASE DITCH SEE DETAIL A

SPECIAL CUT DITCH SEE DETAIL K

REMOVE

OLD BEATTY FORD RD. SR 1221 22-BST

EXISTING R/W

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-21/CONST.21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 21

96 x 17 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
6 ft. weir
ID 21.1B

NAD 83/NSRS 2007

MATCH LINE SHEET 20 -L- STA. 237+45.00

MATCH LINE SHEET 22 -L- STA. 251+75.00

-L- PT Sta. 245+16.95

JOHN THOMAS DONALDSON

124
GREGORY J. TAYLOR &
MARYON L. TAYLOR

123
RICHARD BROYLES

125
JAMES F. HAITHCOCK
AND WIFE
SHARON D. HAITHCOCK

126
GEORGE W. BOYD, III
AND WIFE
PATRICIA S. BOYD

127
REBECCA LOUISE SIFFORD

SPECIAL CUT DITCH
SEE DETAIL I

CLASS B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 SY.'S

STANDARD BASE DITCH
SEE DETAIL A

REMOVE

REMOVE
ROADWAY DITCH TURNS OUT

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-22/CONST.22
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 22

NAD 83/NSRS 2007

MATCH LINE SHEET 21 -L- STA. 251+75.00

MATCH LINE SHEET 23 -L- STA. 264+55.00

-L- PC Sta. 257+21.36

-L- PT Sta. 264+24.61

129 RONALD W. MEISNER AND WIFE KATRINA B. MEISNER

128 LARRY ALLEN BELL AND WIFE JULIE DEAL BELL

131 KAREN JOHNSON AND HUSBAND JAY JOHNSON

133 STEVEN G. HOWARD AND WIFE LISA T. HOWARD

134 RONNIE L. HINSON AND WIFE REGINA F. HINSON

135 FRANK S. STILLER BRENDA K. STILLER

137 ANTHONY J. GRANET, III AND WIFE MICHELLE L. GRANET

139 BRYANT MOWERY

130 DARRELL L. MARTIN AND WIFE DEBORAH D. MARTIN

130A ROBERT A. SEVERT

130B JULIA D. BELL

134A FRANKLIN DALE ALDRIDGE

136 RONALD TAYLOR & WIFE, SHEILA TAYLOR

138 RONALD D. TAYLOR AND WIFE SHEILA M. TAYLOR

STANDARD BASE DITCH
SEE DETAIL A

CLASS B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 SY.'S

DO NOT DISTURB
SIGN ON PARCEL 138

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-23/CONST.23
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 23

NAD 83/NSRS 2007

MATCH LINE SHEET 22 -L- STA. 264+55.00

MATCH LINE SHEET 24 -L- STA. 278+90.00

139
BRYANT MOWERY

140
RODNEY S. MAHALEY
AND WIFE
DANA W. MAHALEY

142
ANDREW N. FRICK
AND WIFE
MACHELLE S. FRICK

143
GARRET J. GOBLE
AND WIFE
RAINA S. GOBLE

145
EDITH KETNER

141
MILDRED C. MOORE

138
RONALD D. TAYLOR
AND WIFE
SHEILA M. TAYLOR

144
STOLZ FANILY LIMITED PARTNERSHIP

146
JOHN LAWRENCE GOODWIN
AND WIFE
CAROL GOODWIN

265 270 275

N 02°35'57" E 652.39'

N 22°47'35" E 95.09'

N 21°22'06" E 508.34'

N 11°29'18" E 604.07'

2SFD

REMOVE

SPECIAL CUT DITCH
SEE DETAIL K

CLASS B RIP RAP
EST. 5 TONS
GEOTEXTILE
EST 14 SY.'S

CLASS B RIP RAP =2 TON
GEOTEXTILE =7 S.Y.

DITCH TURNS OUT

WOODS

I S F D

I S BK D

4" CONC

2' FDPS

EXISTING R/W

DB 1067 PG 872 C.L.F. OR CORNER TO EIP
EXISTING R/W

EIP

15" CMP

15" RCP

18" RCP

24" RCP

OLD BEATTY FORD RD. SR 1221 22' BST

S 84°31'06.7" E

S 86°38'51" E 142.24'

S 04°57'09" W 24.36'

S 04°32'54" W 25.62'

S 05°13'37" W 1007.73'

INV= 772.3'

INV= 772.40'

INV= 772.7'

INV= 772.37'

24.37'

24.88'

PDE

CFW

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-24/CONST.24
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 24

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

NAD 83/NSRS 2007

DO NOT DISTURB TREES, ADJUST CONSTRUCTION LIMITS AS NEEDED TO ELIMINATE ANY IMPACTS PER DIRECTION OF THE CONSTRUCTION ENGINEER

MATCH LINE SHEET 23 -L- STA. 278+90.00

MATCH LINE SHEET 25 -L- STA. 292+80.00

145 EDITH KETNER

148 DONALD F. RAINES

150 MARK L. BROWN AND WIFE TINA M. BROWN

153 ORLIN CRUSE HOUSE
JANIE I. MARTIN AND HUSBAND STEPHEN S. MARTIN

149 CLAUDE M. WEAVER AND WIFE BETTY J. WEAVER

147 LENEA SHERRILL GOBLE (WIDOW)

146 JOHN LAWRENCE GOODWIN AND WIFE CAROL GOODWIN

151 JOHN LEE NEWELL AND WIFE CHRISTINE K.NEWELL

-L- PC Sta. 291+39.54

OLD BEATTY FORD RD. (SR 1121) 22' BST

-ELAB-

-L-

HPB

280

285

290

BANK STABILIZATION SEE DETAIL AM

CLASS B RIP RAP =2 TON GEOTEXTILE =7 S.Y.

DITCH TURNS OUT

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH SEE DETAIL I

SPECIAL CUT DITCH WITH PSRM SEE DETAIL N

SPECIAL CUT DITCH WITH PSRM SEE DETAIL O

TIE TO EXISTING DITCH

REMOVE

WOODS

ISBKD

ISFD

S 84° 31' 06.7" E

S 25°19'54" W 266.61'

N 07°44'09" W 170.16'

N 30°59'27" E 100.16'

N 30°35'29" E 100.81'

N 15°39'51" W 182.09'

N 15°43'49" W 180.68'

S 05°14'11" W 274.70'

S 05°03'16" W 161.39'

S 05°03'16" W 38.71'

S 05°00'38" W 80.07'

S 84°09'46" E 242.31'

S 82°56'13" E 231.41'

S 07°25'22" W 384.62'

INV. = 753.0

INV. = 773.0

INV. = 784.78

INV. = 782.5

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-25/CONST.25
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 25

NAD 83/NSRS 2007

HISTORIC PROPERTY BOUNDARY
PROTECTED WITH SAFETY FENCE

ORLIN CRUSE HOUSE

153
JANIE I. MARTIN
AND HUSBAND
STEPHEN S. MARTIN

DO NOT DISTURB TREES,
ADJUST CONSTRUCTION LIMITS
AS NEEDED TO ELIMINATE ANY
IMPACTS PER DIRECTION OF THE
CONSTRUCTION ENGINEER

SPECIAL CUT DITCH
SEE DETAIL 1

-L- PT Sta. 301+49.76

ALFRED RAY WILHELM
AND WIFE
MARGARET JOAN BROWN WIL

DAVID R. EUART

JEFFERY TODD HILL

LINDA POWERS

AMY VENDITTI

MATCH LINE SHEET 24 -L- STA. 292+80.00

MATCH LINE SHEET 26 -L- STA. 305+50.00

-L- PC Sta. 296+39.81

END L1 GRADE
BEG TIP PROJECT W-5146
-L- Sta. 295+35.81

-L- PT Sta. 293+63.70

154
MICHAEL HAROLD MILLER

MICHAEL SIDOROVIC
KAREN S. STIREWALT

LARRY C. CHEESEMAN
AND WIFE
JEAN E. CHEESEMAN

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-26/CONST.26
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 26

NAD 83/NSRS 2007

-L- PT Sta. 310+88.98

DONALD S. WILHELM
AND WIFE
MILDRED I. WILHELM

ALFRED RAY WILHELM
AND WIFE
MARGARET JOAN BROWN WILHELM

DANNY JOE KNIGHT

DONALD S. WILHELM
AND WIFE
MILDRED I. WILHELM

168
CORINNA ROBERTSON &
STEVEN ROBERTSON

169

REMOVE

N 00°19'05" E
318.20'

N 00°19'45" E
393.75'

WINDSTREAM OF
NORTH CAROLINA, LLC

MATCH LINE SHEET 25 -L- STA. 305+50.00

MATCH LINE SHEET 27 L- STA. 319+30.00

-L- PC Sta. 305+93.16

BEG L2 GRADE
END TIP PROJECT W-5146
-L- Sta. 318+35.84

LARRY C. CHEESEMAN
AND WIFE
JEAN E. CHEESEMAN

JOSE VICTOR VILLALOBOS

REGINA HALPIN

167
DONNIE GENE ROBBINS
AND WIFE
JANICE S. ROBBINS

S 00°26'36" W
641.63'

S 84°37'11" E
198.72'

S 05°39'01" W
384.71'

S 06°33'01" W
248.00'

N 00°26'19" E
251.60'

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-27/CONST.27
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 27

NAD 83/NSRS 2007

MATCH LINE SHEET 26 -L- STA. 319+30.00

MATCH LINE SHEET 28 -L- STA. 333+00.00

-L- PC Sta. 322+65.63

-L- PT Sta. 331+27.95

50 x 13 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 27.2B

40 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 27.1B

169
ANDREW M. BROWN OR
SARA W. BROWN
(TRUSTEES OF THE BROWN
REVOCABLE TRUST)

173
LUCETTA ANNE MILLER
AND HUSBAND
CLARENCE WAYNE MILLER

175
JOYCE R. MISENHEIMER (WIDOW)

177

178
RUSSELL D. FREEMAN
AND WIFE
WENDY MOORE FREEMAN

167
DONNIE GENE ROBBINS
AND WIFE
JANICE S. ROBBINS

170
GINGER M. PARKER

171
ROBERT L. MASSEY
AND WIFE
PEGGY J. MASSEY

172
ERIC L. BROWN

174
ANDREW M. BROWN OR
SARA W. BROWN
(TRUSTEES OF THE BROWN REVOCABLE TRUST)

176
ANDREW NORMAN FRICK
AND WIFE
MACHELLE S. FRICK

320

325

330

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT DITCH
SEE DETAIL L

CLASS B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 SY.'S

DITCH TURNS OUT
JEFFREY T. MISENHEIMER
AND WIFE
PATRICIA MISENHEIMER

DITCH TURNS OUT

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-28/CONST.28
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 28

NAD 83/NSRS 2007

178
RUSSELL D. FREEMAN
AND WIFE
WENDY MOORE FREEMAN

REBECCA FOIL ANDERSON (WIDOW)

180

181
JAMES LEE HOFFNER
AND WIFE
HELEN M. HOFFNER

-L- PC Sta. 337+50.11

335

340

345

MATCH LINE SHEET 27 -L- STA. 333+00.00

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
WITH PSRM
SEE DETAIL M

DRIVE WAS MADE FOR LOGGING OPERATION. NO LONGER USED.

WOODS

GREENHOUSE

CARPORT

S 89° 33' 43.9" E

N 02°35' 302.9

N 07°29'57" W 282.03

N 02°35'11" E 280.20

S 01°15'22" E 280.55

S 00°50'51" W 276.94

N 86°08'43" E 79.86'

N 86°09'47" E 90.19'

N 86°07'33" E 81.66'

N 86°08'43" E 78.72'

N 86°08'43" E 79.83'

N 86°10'42" E 85.79'

N 86°06'59" E 40.85'

S 10°11'35" W 246.52'

S 01°53'10" E 180.00'

S 13°05'06" W 132.46'

S 13°38'06" W 82.08'

S 86°32'55" E 226.59'

VERNA J. COLEY (WIDOW)
179

179A

179B

182
RYBURN FARM
EQUIPMENT COMPANY

182A

182B

183

183
TRUSTEES OF
VISION BAPTIST CHURCH

184

176
ANDREW NORMAN FRICK
AND WIFE
MACHELLE S. FRICK

CLASS B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 SY.S

SPECIAL CUT BASE DITCH
WITH PSRM
SEE DETAIL E

+85.00 -L-
EXIST. R/W
35.00'

ALINE B. VEACH &
CONNIE V. POOLE

DO NOT DISTURB WELL ON PARCELS 179, 179A, 179B, 182, 182A, 182B, AND 183

-L- PT Sta. 346+49.65

MATCH LINE SHEET 29 -L- STA. 346+65.00

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-29/CONST.29
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 29

NAD 83/NSRS 2007

MATCH LINE SHEET 28 -L- STA. 346+65.00

MATCH LINE SHEET 30 -L- STA. 360+05.00

181
JAMES LEE HOFFNER
AND WIFE
HELEN M. HOFFNER

186
HUBERT RANDY GOODMAN

188
TONY D. MISENHEIMER
AND WIFE
PAMELA H. MISENHEIMER

184
ALINE B. VEACH &
CONNIE V. POOLE

187
RODNEY MACK GOODMAN

189
CHRISTINE GOODMAN CULP

190
FREDERICK L. DIEHL
AND WIFE
LORI ANN DIEHL

BANK STABILIZATION
SEE DETAIL AO
FILL IN EXISTING SCOUR HOLE:
CLASS II RIP RAP 50 TONS
SIDE SLOPES:
GEOTEXTILE 120 SY
CLASS I RIP RAP 70 TONS

Temporary Rock
Silt Check Type A
3 ft. weir height

48 x 14 x 3
ID 29.2B

SPECIAL CUT DITCH
WITH PSRM
SEE DETAIL M

SPECIAL CUT BASE DITCH
WITH RIP RAP
SEE DETAIL F

CLASS I RIP RAP
EST. 20 TONS
GEOTEXTILE
EST. 39 SY.'S

BOTH 42" & 18"
CLASS I RIP RAP
EST. 24 TONS
GEOTEXTILE
EST. 49 SY.'S

SPECIAL CUT DITCH
WITH PSRM
SEE DETAIL O

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT BASE DITCH
WITH PSRM
SEE DETAIL E

PLACEMENT OF NATURAL
STREAM BED MATERIAL

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL K

Modified Silt Basin
Type 'B'
33 x 22 x 3
5 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 29.1B

33 x 22 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
5 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 29.1B

-L- PC Sta. 358+41.23

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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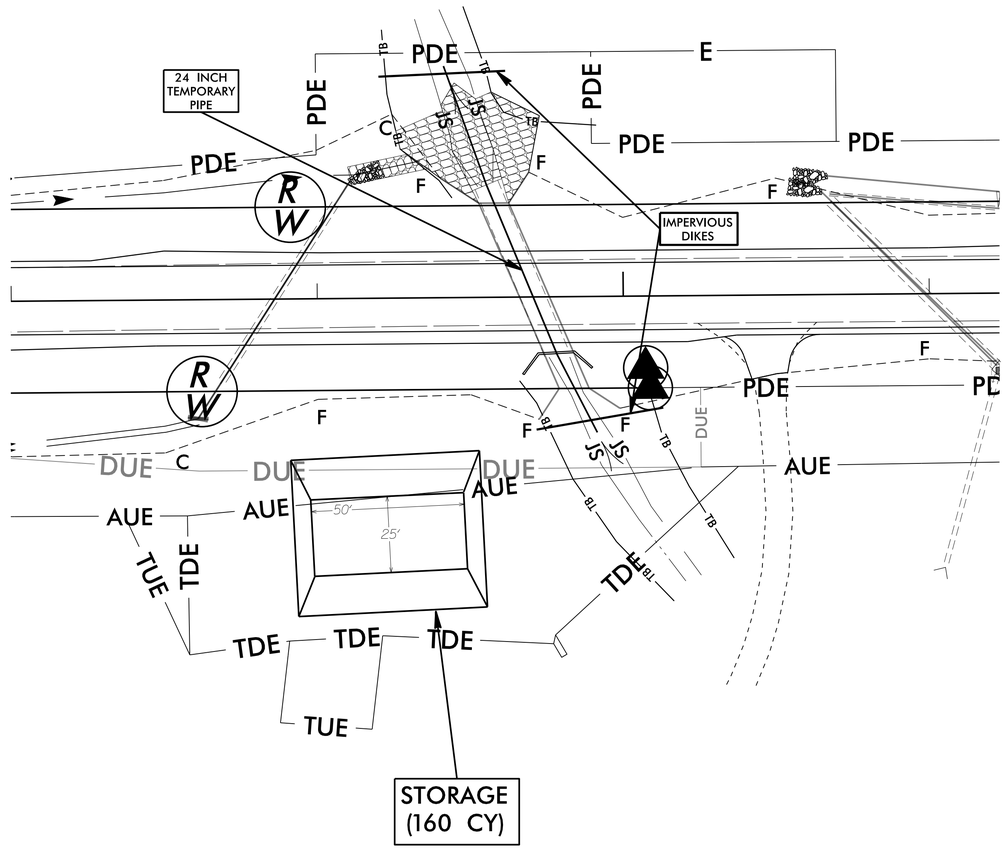
CULVERT CONSTRUCTION SEQUENCE STA. 349+71 –L–

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-29A/CONST.29
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

1.INSTALL ALL PROPOSED TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES INCLUDING TEMPORARY STILLING BASIN FOR PUMPED EFFLUENT (STANDARD DRAWING 1630.04) HAVING A MINIMUM VOLUME OF 160 CUBIC YARDS.
2.INSTALL TWO TEMPORARY IMPERVIOUS DIKES, ONE UPSTREAM AND ONE DOWNSTREAM OF PROPOSED REINFORCED CONCRETE BOX CULVERT; INSTALL TEMPORARY 24–INCH WELDED STEEL DIVERSION PIPE BETWEEN THE TWO DIKES; PROVIDE ADEQUATE OUTLET PROTECTION AS NECESSARY.
3.DEWATER WORK AREA AND PUMP EFFLUENT INTO STILLING BASIN.
4.REMOVE EXISTING CORRUGATED METAL PIPE CULVERT AND INSTALL PROPOSED REINFORCE CONCRETE BOX CULVERT AND WING WALLS.
5.BACKFILL WORK AREA AS NECESSARY TO COMPLETE ROADWAY IMPROVEMENTS.
6.REMOVE TEMPORARY PIPE AND IMPERVIOUS DIKES; RESTORE AREA TO NATURAL GROUND.
7.INSTALL PROPOSED BANK STABILIZATION AND COMPLETE PROPOSED ROADWAY IMPROVEMENTS; REMOVE STILLING BASIN.



NAD 83/NSRS 2007

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-30/CONST.30
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 30

NAD 83/NSRS 2007

TONY D. MISENHEIMER
AND WIFE
PAMELA H. MISENHEIMER
188

194
BROWNIE FISHER STIREWALT (WIDOW) &
STEVEN L. STIREWALT &
KAREN S. STIREWALT

196
STEVEN LEE STIREWALT
AND WIFE
KAREN S. STIREWALT

198
DANNY JOE KNIGHT

-L- PT Sta. 361+79.12

365

370

S 85°21'49" E
217.97'

N 02°42'09" E
316.80'

N 00°57'54" E
364.47'

37 x 12 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 30.1B

DITCH TURN OUT
CLASS B RIP RAP = 2 TONS
GEOTEXTILE=7 S.Y.

CL B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 11 SY.'S

SPECIAL CUT DITCH
SEE DETAIL U

SPECIAL CUT DITCH
SEE DETAIL K

GRADE to DRAIN

WOODS

AUE

48" WOOD

12" RCP

REMOVE & REPLACE
w/24" RCP

REMOVE

EXISTING R/W

5.00' CORNER TO
EXISTING R/W

60" WIRE

CULTIVATED

PDE

FDPS

ISFD

ISBKD
3' CONC

ISBKBUS

HTR

OUT
HOUSE

B

S

GRAV

CHL

GATES

BST

VAR BST

OLD BEATTY FORD RD. SR 1129/ 22' BST

-L-

S 87°13'37" E

MATCH LINE SHEET 29 -L- STA. 360+05.00

MATCH LINE SHEET 31 -L- STA. 374+00.00

Road El: 754.25
Inv. El: 749.93
Cover: Approx 1.3'

PDE
(Due to
Rip Rap
in Ditch)

SPECIAL LATERAL
'V' DITCH
SEE DETAIL AA

STANDARD BASE DITCH
WITH RIP RAP
SEE DETAIL B

SPECIAL CUT DITCH
SEE DETAIL K

NO DRIVEWAY PIPE NEEDED
DRIVEWAY ACTS AS
FALSE SUMP

45 x 12 x 3
ID 31.1B

SPECIAL CUT
BASE DITCH
SEE DETAIL C

JEFFREY S. WRIGHT
AND
SHANNON D. SMITH
191

S 04°12'50" W
286.02'

S 10°47'12" W
1050.08'

S 10°47'12" W
1104.96'

S 10°47'12" W
1121.46'

192
DAVID MICHAEL LEAR
AND WIFE
DALE S. LEAR

2SBKD

193
NATHAN J. ADAMS
AND WIFE
PEGGY RUSSELL ADAMS

1SFD

False Sump added to prevent water from crossing divide to adjacent drainage area.
The top of the False Sump is the "Overtopping Elevation" for the cross pipe at 364+42.

195
NATHAN SCOTT ADAMS
AND WIFE
KRISTY JENAN FREE ADAMS

197
NATHAN J. ADAMS
AND WIFE
PEGGY RUSSELL ADAMS

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-31/CONST.31
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 31

NAD 83/NSRS 2007

198
DANNY JOE KNIGHT

199
ROBERT HOLMES BROWN

201
CALVIN LEE KEPLEY
AND WIFE
SHELBY B. KEPLEY

203
JEREMY C. KEPLEY
AND
KRISTINA L. RINGER

204
GUY WALTER BEAM
AND WIFE
FRANCES SHOE BEAM

197
NATHAN J. ADAMS
AND WIFE
PEGGY RUSSELL ADAMS

200
DEAN L. TROUTMAN

202
MELISSA KAY COWAN

205
DONALD L. RAKES
AND WIFE
SHIRLEY G. RAKES

375

380

385

EIP

N 01°16'19" E
438.31'

N 43°10'30" E
185.89'

S 50°12'18" E
172.37'

S 41°27'34" E
20.58'

N 55°54'07" E
250.24'

N 17°28'17" E
334.36'

S 87°27'45" E
293.12'

N 35°50'00" E
388.41'

S 87°13'13.7" E -ELAB-

OLD BEATTY FORD RD, SR 1221 22' BST

MATCH LINE SHEET 30 -L- STA. 374+00.00

MATCH LINE SHEET 32 -L- STA. 386+40.00

37 x 12 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 30.1B

45 x 12 x 3
ID 31.1B

DITCH TURNS OUT

0.5cfs @ Ditch Turn out protection req'd

CL B RIP-RAP
EST. 5 TONS
GEOTEXTILE
EST. 16 SY.'S

GRADE to DRAIN

CL B RIP-RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

SPECIAL CUT DTICH
SEE DETAIL K

SPECIAL CUT
BASE DITCH
SEE DETAIL C

SPECIAL CUT DITCH
SEE DETAIL K

Temporary Rock
Silt Check Type A
2.25 ft. weir height

REMOVE 18" RCP
REPL w/24" CL IV RCP

REMOVE & REPLACE
w/30" RCP

REMOVE

CULTIVATED

WOODS

ISFD

HTR

ISBKD

G

B

-L- PC Sta. 385+86.23

+86.23 -L-
30.00'

+25.56 -L-
EXIST R/W
30.00'

+86.23 -L-
30.00'

S 02°34'06" W
388.34'

S 02°43'13" W
395.09'

S 06°41'12" W
284.34'

S 87°16'47" E
209.36'

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-32/CONST.32
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 32

NAD 83/NSRS 2007

206
TONY D. SALAMONE
NANCY MARIE SALAMONE

S 87°47'56" E
457.84'

206
TONY D. SALAMONE
NANCY MARIE SALAMONE

208
DANIEL SCHENK
AND WIFE
HOPE SCHENK

S 88°29'02" E
294.74'

N 02°36'56" E
147.09'

S 88°29'02" E
132.92'

211
JAMES G. LYNCH
MILDRED W. LYNCH

S 86°45'40" E
555.24'

390

395

400

EIP

50.00'
PRIVATE

SUSAN S. STARNES

N 07°45'24" E
258.06'

N 07°46'54" E
327.71'

209

MATCH LINE SHEET 33 -L- STA. 389+00.00

MATCH LINE SHEET 33 -L- STA. 400+10.00

BANK STABILIZATION
SEE DETAIL AO
FILL IN EXISTING SCOUR HOLE:
CLASS II RIP RAP 35 TONS
SIDE SLOPES:
GEOTEXTILE 100 SY
CLASS I RIP RAP 60 TONS

SPECIAL CUT DITCH
SEE DETAIL U

RCBC 1 @ 10'X7'
-L- STA. 398+18.00

REMOVE

INV = 690.38

S 63°19'26.4" E
-L-

-L- PT Sta. 390+03.31

-L- PC Sta. 398+97.44

SPECIAL CUT DITCH
WITH PRM
SEE DETAIL M

TIE END OF SPECIAL CUT DITCH
TO BANK STABILIZATION

BANK STABILIZATION
EXCAVATION 30 CY
GEOTEXTILE 90 SY
CLASS I RIP RAP 50 TONS
SEE DETAIL AM

45 x 17 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
4 ft. weir
ID 32.1B

48 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 32.2B

205
DONALD L. RAKES
AND WIFE
SHIRLEY G. RAKES

S 86°02'53" E
262.50'

S 05°04'48" W
266.12'

S 07°45'48" W
450.56'

207
SUSAN MICHELLE BURRIS

210
HAROLD MURRAY SAUDER
AND WIFE
SHIRLEY CRAIG SAUDER

S 48°19'43" E
173.16'

S 71°03'07" E
255.05'

OLD BEATTY FORD RD, SR 1221 22' BST

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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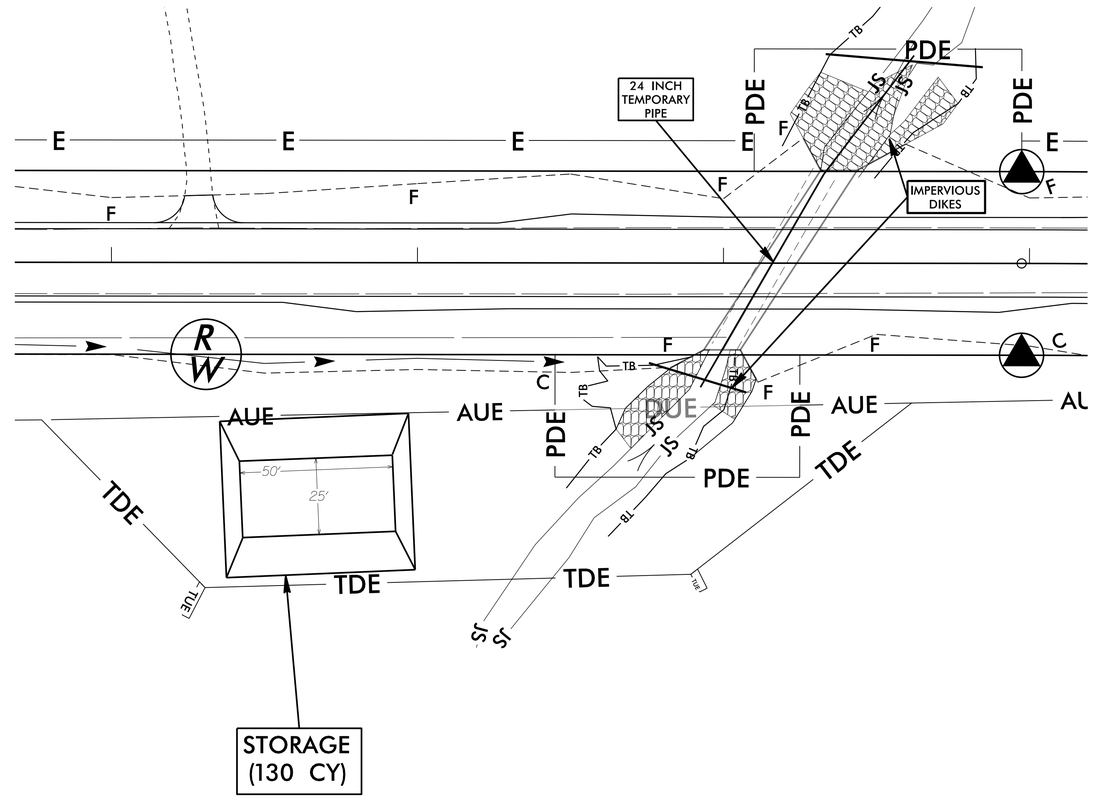
CULVERT CONSTRUCTION SEQUENCE STA. 398+18 –L–

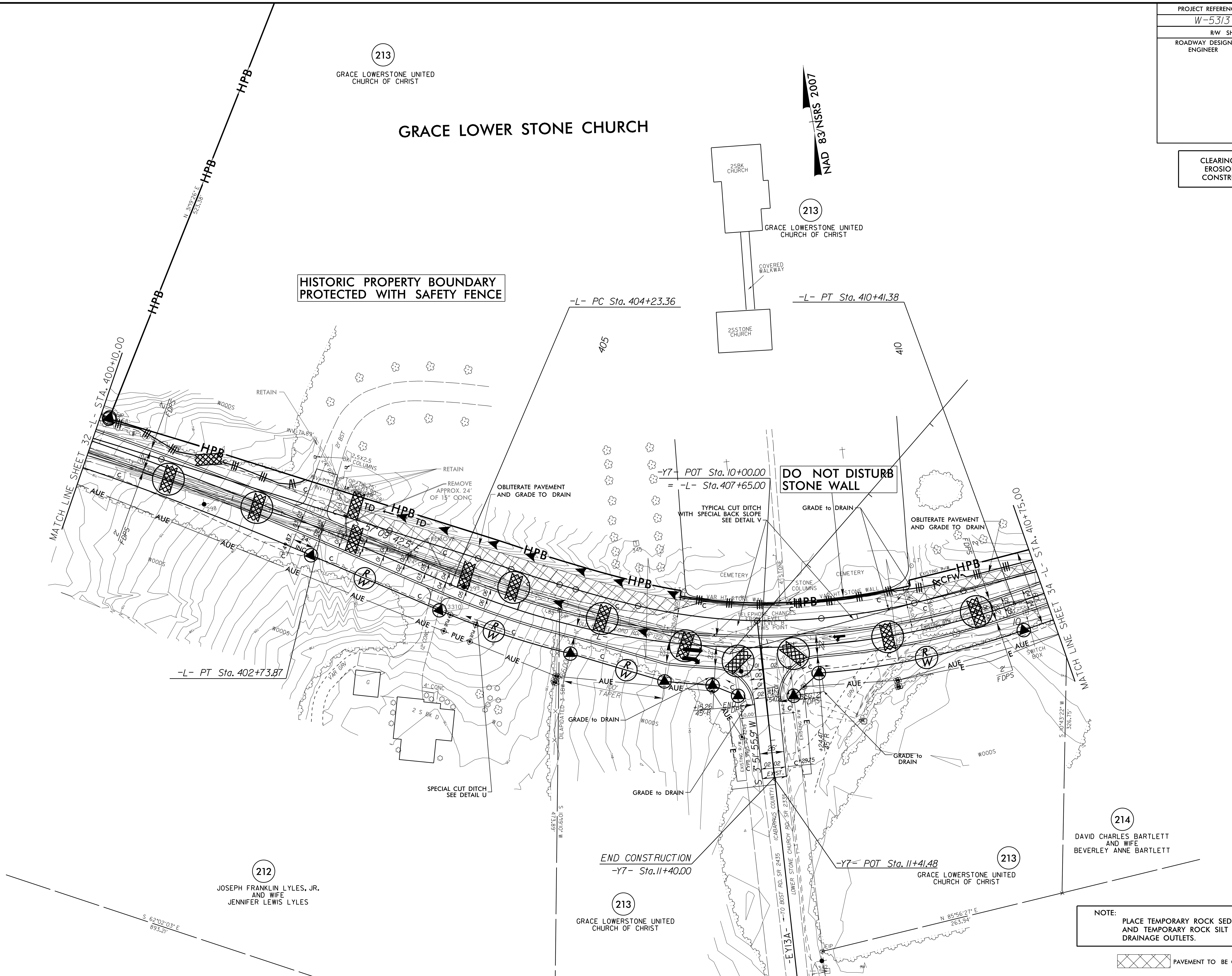
PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-32A/CONST.32
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

1. INSTALL ALL PROPOSED TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES INCLUDING TEMPORARY STILLING BASIN FOR PUMPED EFFLUENT (STANDARD DRAWING 1630.04) HAVING A MINIMUM VOLUME OF 130 CUBIC YARDS.
2. INSTALL TWO TEMPORARY IMPERVIOUS DIKES, ONE UPSTREAM AND ONE DOWNSTREAM OF PROPOSED REINFORCED CONCRETE BOX CULVERT; INSTALL TEMPORARY 24–INCH WELDED STEEL DIVERSION PIPE BETWEEN THE TWO DIKES; PROVIDE ADEQUATE OUTLET PROTECTION AS NECESSARY.
3. DEWATER WORK AREA AND PUMP EFFLUENT INTO STILLING BASIN.
4. REMOVE EXISTING CORRUGATED METAL PIPE CULVERT AND INSTALL PROPOSED REINFORCE CONCRETE BOX CULVERT AND WING WALLS.
5. BACKFILL WORK AREA AS NECESSARY TO COMPLETE ROADWAY IMPROVEMENTS.
6. REMOVE TEMPORARY PIPE AND IMPERVIOUS DIKES; RESTORE AREA TO NATURAL GROUND.
7. INSTALL PROPOSED BANK STABILIZATION AND COMPLETE PROPOSED ROADWAY IMPROVEMENTS; REMOVE STILLING BASIN.



PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-33/CONST.33
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 33



NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

PAVEMENT TO BE OBLITERATED

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-34/CONST.34
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 34

NAD 83/NSRS 2007

-L- POT Sta. 420+19.59

(NO CLAIM)
219
CHARLES RAY MILLER
AND WIFE
BETTY MILLER

216
ROCKWELL RURAL FIRE DEPARTMENT, INC.

213
GRACE LOWERSTONE UNITED
CHURCH OF CHRIST

GRACE
LOWER
STONE
CHURCH

-Y8- POT Sta. 10+00.00
-Y8- PC Sta. 10+20.56
BEGN CONSTRUCTION
-Y8- Sta. 11+25.00
-Y8- PT Sta. 11+57.24

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
-L- STA 415+50 – 420+00 LT

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
-Y8- STA 11+25 – 12+25 LT

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

15 BK
FIRE STATION

SIMON TEODOROVICI & WIFE,
KAREN S. TEODOROVICI

OLD BEATTY FORD RD. SR 1221 22' BST
TO US 52

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL U

REMOVE 8' OF
15" RCP
COLLAR & EXTEND
w/15" RCP-IV

FILL & GRADE TO DRAIN
AT 2GI

SPECIAL CUT DITCH
SEE DETAIL K

REMOVE HW
COLLAR & EXTEND
w/24"

-L- PT Sta. 415+07.82

-L- Sta. 412+52.00 =
-Y8- POT Sta. 12+84.99

-L- PC Sta. 411+97.88

214
DAVID CHARLES BARTLETT
AND WIFE
BEVERLEY ANNE BARTLETT

215
WALTER L . LINK

217
SIMON TEODOROVICI & WIFE,
KAREN S. TEODOROVICI

218
SIMON TEODOROVICI & WIFE,
KAREN S. TEODOROVICI

MATCH LINE SHEET 33 -L- STA 410+75.00

END TIP PROJECT W-5313
-L- POT Sta. 420+00.00

PAVEMENT TO BE OBLITERATED

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

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mcbee
05/13/2016

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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-35/CONST.04
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

-L- POT Sta. 10+00.00

-L- PC Sta. 12+95.91 LB=
-LREV- PC Sta.12+95.91 LA

~~-L- PC Sta. 13+69.46~~

-LREV- PT Sta. 24+20.07 LB =
-L- PT Sta.24+24.43 LA

~~-L- PT Sta. 23+50.87~~

BEGIN TIP PROJECT W-5313
-L- POT Sta. 10+25.00

END CONSTRUCTION
-Y1- Sta. 14+20.00

-Y1- POT Sta. 16+47.86

-Y1- POT Sta. 10+00.00 =
-L- POC STA.17+63.00

-Y1- POT Sta. 9+86.86 =
-LREV- POC Sta.17+69.06

MATHCH LINE SHEET 5 -L- STA. 25+00.00

TO CHINA GROVE

OLD BEATTY FORD RD. SR 2211 225 BST

TO CHINA GROVE RD.

LORITA SMITH PARKS AND HUSBAND BRIAN C. PARKS (1)

1 S Bk D

2 S Bk D

W. JERRY LIPPARD (2)

STEVIE BELL (4)

GINA RENEE BEAVER (5)

JOHN L. FUNDERBURK (WIDOWER) (7)

WILLIAM RAYMOND BAXTER AND WIFE LUANN GULLEDGE BAXTER (6)

CHESTER LEMLEY AND WIFE PATRICIA LEMLEY (8)

DAVID W. PAYNE AND WIFE ELLEN M. PAYNE (9)

YVONNE F. COLEY (10)

BOSTIAN SCHOOL (11)

THE ROWAN-SALIBURY BOARD OF EDUCATION (11)

DO NOT DISTURB U/G TANKS, METAL CANOPY, SIGN, AIR COMPRESSOR, OR TELEPHONE

DO NOT DISTURB FO CONCENTRATOR SITE

40 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 4.1B

Temporary Rock Silt Check Type A 2.5 ft. weir height

Temporary Rock Silt Check Type A 2.5 ft. weir height

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT BASE DITCH W/PSRM SEE DETAIL E

SPECIAL CUT DITCH SEE DETAIL I

STANDARD BASE DITCH SEE DETAIL A

SPECIAL SHOULDER GRADING SEE CROSS SECTIONS -Y1- STA 13+75 – 14+00 LT.

SPECIAL SHOULDER GRADING SEE CROSS SECTION -LREV- STA 24+00 RT

TIE TO EXISTING DITCH
BEG 2'-6" C&G
+00.00 -LREV-
15.00'

BEGIN 8"X18" CONC. CURB CHANNELIZATION +01.36 -LREV- 32.00'

END 2'-6" C&G
END 8" X 18" CONC. CURB CHANNELIZATION
+27.65 -LREV-
31.90'

BEG 2'-6" C&G
+31.07 -LREV-
31.96'

BEG 2'-6" C&G
+51.53 -Y1-
29.00'

END 2'-6" C&G
+00.00 -Y1-
13.00'

END 2'-6" C&G
+86.24 -Y1-
29.00'

END 2' FDPS

+53.06 -L-
EXIST. R/W

+95.91 -LREV-
30.00'

+41.00 -Y1-
40.00'

+80.00 -Y1-
35.00'
40.00'

+20.00 -Y1-
35.00'
40.00'

+34.47 -L-
120' R

+24.43 -L-
30.00'

+18.78 -LREV-
EXIST. R/W

6'X6' RIPRAP PAD
2 TONS CL B
7 S.Y. GEOTEXTILE

RIP RAP CL B
EST. 5 TONS
GEOTEXTILE
EST. 14 SY'S

RIP RAP CL B
EST. 5 TONS
GEOTEXTILE
EST. 14 SY'S

OBLITERATE AND GRADE TO DRAIN

GRADE TO DRAIN

TIE TO EXISTING SWALE

PAVEMENT TO BE OBLITERATED

50' TAPER TYP.

2 FDPS

REMOVE

RETAIN

S 30° 20' 30.9" E

S 81° 21' 21.8" W

S 64° 25' 16.0" E

N 72°19'59" E 236.22'

S 23°23'34" E 177.39'

S 22°22'02" E EIP 1"/1/4 PIXLE

S 23°33'37" E 150.89'

S 23°31'10" E 148.04'

S 23°31'40" E 148.09'

S 23°32'39" E 141.99'

N 66°29'36" E 300.26'

N 66°29'36" E 329.56'

N 66°27'45" E 330.78'

S 40°07'44" E 359.25'

S 41°01'32" E 500.00'

N 85°07'45" W 169.16'

10' DRIVEWAY

5' R

12' R

10' R

7' R

HPB

FEW

BST

VAR GRV

VAR CONC

PK NAIL

IS F D

IS BK SCHOOL

ISBKD

ISFD

2SFD

BRICK PLANTER

WELL

TREE HOUSE

CONC MON

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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-36/CONST.05
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

50 x 30 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
6 ft. weir
ID 5.1B

MATCH LINE SHEET 4 -L- STA. 25+00.00

MATCH LINE SHEET 6 -L- STA. 39+00.00

-L- PC Sta. 28+87.47

-L- PT Sta. 30+19.45

-L- PC Sta. 37+64.52

BOSTIAN SCHOOL

DO NOT DISTURB SCHOOL SIGN

DO NOT DISTURB SEPTIC SYSTEMS

Temporary Rock Silt Check Type A 2 ft. weir height

10 YVONNE F. CREWS

11 THE ROWAN-SALISBURY BOARD OF EDUCATION

12 DANIEL & DANA WADSWORTH

13 VIRGIL REID PATTERSON AND WIFE CATHY B. PATTERSON

13A PAMELA DENISE HINES

14 CARL L. MILSTEAD

15 WALTER GARDNER AND WIFE MELISSA GARDNER

16 ROSS I. LIPE AND WIFE SHIRLEY L. LIPE

17 WALTER H. GARDNER AND WIFE MELISSA ANNE SNIPES

18 STAMIE M. CLINE AND WIFE PATRICIA J. CLINE

19 DARRYL R. LIPE AND WIFE KIMBERLY LIPE

20 TONY L. SEAGRAVES AND WIFE CAROLYN P. SEAGRAVES

21 JEFFREY S. MORGA

22 TAMMY RENEE SEAGRAVES

SPECIAL CUT DITCH SEE DETAIL I

SPECIAL CUT DITCH SEE DETAIL J

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH SEE DETAIL S

STANDARD V DITCH SEE DETAIL X

RIP RAP CL B EST. 5 TONS GEOTEXTILE EST. 14 SY'S

RIP RAP CL B EST. 3 TONS GEOTEXTILE EST. 10 SY'S

DITCH TURNS OUT

GRADE TO DRAIN

S 64°25'16.0" E
OLD BEATTY FORD R. SR 1221 26' BST

-L- S 61°54'01.7" E

S 64°08'41" E 305.71'

N 67°14'01" W 238.23'

S 61°42'33" E 119.71'

N 21°51'25" E 192.17'

N 21°51'25" E 191.29'

N 21°54'30" E 343.19'

S 87°28'54" E 65.77'

N 00°25'00" W 55.25'

N 00°25'30" E 143.27'

N 00°25'00" E 103.55'

S 62°22'12" E 183.74'

S 62°22'12" E 176.93'

S 62°22'12" E 36.53'

N 18°32'24" E 24.42'

N 24°51'44" E 230.76'

N 25°32'10" E 226.07'

S 00°24'40" W 432.20'

S 66°53'41" E 62.58'

S 29°32'26" W 194.21'

S 29°32'26" W 132.55'

S 29°15'26" W 304.88'

S 29°15'26" W 316.11'

S 28°29'09" W 49.52'

S 27°09'39" W 361.96'

S 41°43'39" W 281.63'

N 79°47'39" E 100.00'

N 79°47'39" E 373.52'

S 55°06'25" W

HPB

PDE

AUE

EIP

EIPF

FDPS

BST

R/R SPIKE

TOP=824.41
INV(W)=822.40
INV(S)=822.24

TOP=827.4
INV=820.48

TOP=823.28
INV=821.02

TOP=823.19
INV=820.88

TOP=823.27
INV=821.10

INV=820.49

INV=819.24

INV=819.70

INV=822.5

INV=822.0

INV=823.1

INV=822.54

PB 9995 PG 385

EXISTING R/W

60.00'

VAR GRV

END 2' FDPS

BEG 2' FDPS

END FDPS AT END OF RADIUS

BARN

HTR

ISFD

ISBKD

ISBKSCHOOL

MTL CANOPY

CONC

BK WALL

POOL

REMOVE

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-37/CONST.06
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83 NSRS 2007

30 x 10 x 3
ID 6.1B

DO NOT DISTURB
WELL ON PARCEL 24

DO NOT DISTURB
WELL ON PARCEL 31

HISTORIC PROPERTY BOUNDARY
PROTECTED WITH SAFETY FENCE

STIREWALT–FAGGART
HOUSE

-L- PT Sta. 43+61.04

-L- PC Sta. 47+53.98

-L- PT Sta. 51+01.49

-Y2- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y2- Sta. 10+75.00

-Y2- POT Sta. 12+60.70
= -L- Sta 51+35.00

MATCH LINE SHEET 5 -L- STA. 39+00.00

MATCH LINE SHEET 7 -L- STA. 53+00.00

21 BARBARA CAROLYN PATTERSON

23 JEFFREY S. MORGAN

24 DWIGHT L. ROGERS

25 HAYDEN M. CAMPBELL, JR. AND WIFE MARSHA W. CAMPBELL

26 RICHARD A. WETHERBEE AND WIFE LINDA M. WETHERBEE

27 REGGIE H. COOK AND WIFE SHERRI L. COOK

29 CARLOS SOTO

30 JEFFERY W. HENSLEY AND WIFE MAJORIE N. HENSLEY

31 JAMES D. BAILEY AND WIFE PHYLLIS A BAILEY

32 SUE F. BOONE, CHARLES THOMAS FAGGART TRUSTEES

28 WILLIAM C. TROUTMAN AND WIFE HELEN CLINE TROUTMAN

WILLIAM H. HONEYCUTT AND WIFE MELISSA D. HONEYCUTT

SPECIAL CUT DITCH SEE DETAIL I

SPECIAL CUT DITCH SEE DETAIL J

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH SEE DETAIL S

SPECIAL CUT DITCH WITH RIP RAP SEE DETAIL P

SPECIAL SHOULDER GRADING SEE CROSS SECTIONS -Y2- STA 10+75 TO 11+00 LT.

SPECIAL SHOULDER GRADING SEE CROSS SECTION -Y2- STA 12+00 LT.

STANDARD 'V' DITCH SEE DETAIL Z

CL B RIP RAP EST. 2 TONS GEOTEXTILE EST. 7 SY'S

CL B RIP RAP EST. 3 TONS GEOTEXTILE EST. 10 SY'S

BOTH 18" & 24" CL B RIP RAP EST. 7 TONS GEOTEXTILE EST. 21 SY'S

CL B RIP RAP EST. 3 TONS GEOTEXTILE EST. 10 SY'S

50' TAPER TYP.

GRADE TO DRAIN

GRADE TO 267.45'

HPB

AUE

CULTIVATED

REMOVE

EXISTING R/W PB 9995 PG 4395

EXISTING R/W PB 9995 PG 3541

TO CHINA GROVE RD (SR 1009) 20' BST

MOOSE RD (SR 1308) 20' BST

BEG 2' FDPS

END 2' FDPS

END 3' FDPS

S 77° 05' 26.5" E

S 72°55'16" E 94.71'

S 72°55'16" E 94.86'

S 72°56'37" E 94.19'

S 72°52'07" E 94.22'

S 5°52'57" E 267.45'

S 5°52'13" E 351.65'

S 23°25'49" W 357.78'

S 28°45'55" W 368.46'

S 85° 22' 43.7" E

N 35°27'47" E 104.47'

N 33°55'22" E 204.48'

N 25°44'23" E 94.03'

N 22°28'34" E 170.84'

S 66°04'18" E 107.25'

N 38°33'00" E 9.92'

S 04°52'22" W 262.62'

S 51°46'57" W 355.52'

S 85°15'18" W 57.16'

S 85°15'18" W 57.16'

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-38/CONST.07
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

S 73°41'38" E
330.74'

EIP

N 14°54'58" E
151.79'

S 76°24'27" E
99.92'

36
EBENEZER LUTHERAN CHURCH

CEMETERY

WOODS

55

60

65

OLD COMMONS RD. SR 2000
24' BST
TO NC 152
60.00'

-L3-

-L6-

GRADE TO DRAIN

DO NOT DISTURB SIGN ON PARCEL 36

IS BK CHURCH

CONC

BK CANOPY

PAVILION

-L- PC Sta. 62+15.10

SPECIAL GRADING SEE CROSS SECTIONS STA.53+00 TO STA.54+00-L- LT.

SPECIAL GRADING SEE CROSS SECTIONS STA.63+00-L- LT.

28
WILLIAM C. TROUTMAN
AND WIFE
HELEN CLINE TROUTMAN

BOB RAY BLEVINS (LIFE ESTATE)
BETTY BLEVINS &
AMANDA D LINKER

IDIL

INOPERABLE GRAINERY

40

HTR

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

DITCH TURNS OUT

MATCH LINE SHEET 6 -L- STA. 53+00.00

MATCH LINE SHEET 8 -L- STA. 67+00.00

-ELT-

-L-

S 65° 22' 43" E

S 64°13'22.5" E

AUE

HPB

FDPS

CULTIVATED

EXISTING R/W

40' TAPER

+15.67
45'R, 4' OFFSET
10:1 TAPER

+17803
+17.85

+18.75
40' R

+34.85
45'R, 4' OFFSET
10:1 TAPER

+03.54
50' R

+07.56
50' R

+87.57
21.58'

+10.53

SPECIAL CUT DITCH SEE DETAIL I

STANDARD 'V' DITCH SEE DETAIL Z

SPECIAL CUT DITCH SEE DETAIL J

DO NOT DISTURB SIGN ON PARCEL 32

DO NOT DISTURB IU/G TANKS ON PARCEL 33

IU/G TANK @ 10000 GAL
IU/G TANK @ 8000 GAL
"A" & KEROSENE

CANOPY W/ 2 PUMPS

IS BK BUS

IS BK D

2 S BK D

IS F D

HTR

G

CARPORT

S

SUE F. BOONE
CHARLES THOMAS FAGGART
TRUSTEES
32

33
JOHN MICHAEL FOX
AND WIFE
CATHERINE N. FOX

DO NOT DISTURB SIGN ON PARCEL 33

BERND H. &
MARY K HOFMANN
36A

34
GREGORY HAROLD SAFRIT

35
RUBY K MARTIN (LIFE ESTATE)

TIE TO EXISTING SWALE

TIE TO EXISTING DITCH

37
JIMMY H. DAVIS
AND WIFE
DEBRA J. DAVIS

38
BOYDEN L. BROWN
DALE K. BROWN &
BOYDEN L. BROWN, SR (LIFE ESTATE)

39
BOBBY LYNN PROPST
ELLEN RENAE MEASMER

-L- PT Sta. 63+56.30

S 67°39'06" E
124.01'

S 82°16'40" E
122.66'

S 12°47'29" W
23.53'

S 07°41'10" W
26.58'

N 63°34'55" W
200.20'

N 63°34'55" W
273.22'

S 13°37'24" W
245.49'

S 24°17'14" W
234.26'

S 13°37'24" W
196.31'

S 23°48'30" W
284.23'

STIREWALT-FAGGART HOUSE

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PLS Version 21 R(NJ) 21.18.2

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-39/CONST.08
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Matting for Erosion Control on Slope as Work Allows. Sta. 74+00 to Sta. 76+00 LT

NAD 83/NSRS 2007

24 x 10 x 3
ID 8.1B

26 x 10 x 3
ID 8.2B

BOB RAY BLEVINS (LIFE ESTATE)
BETTIE BLEVINS &
AMANDA D LINKER

40

43

JULIA A RADER-PACIFICO (WIDOW)

44

JERRY RAY STIREWALT

46

MICHAEL LEE STIREWALT

SPECIAL CUT DITCH SEE DETAIL J

SPECIAL CUT DITCH SEE DETAIL S

-L- 64°13'22.5" E

OLD BEATTY FORD R, SR 1221 22' BST

GRAU 350 TL-3

CL B RIP RAP EST. 2 TONS GEOTEXTILE EST. 7 SY.'S

DITCH TURNS OUT

SPECIAL GRADING SEE CROSS SECTIONS STA.80+00 TO STA.81+00-L- RT.

MATCH LINE SHEET 7 -L- STA. 67+00.00

MATCH LINE SHEET 9 -L- STA. 81+00.00

41

DEBORAH SAGER
AND HUSBAND
CHRISTOPHER SAGER

42

MICHAEL LEE STIREWALT

SPECIAL GRADING SEE CROSS SECTIONS STA.70+00 TO STA.71+00-L- RT.

39

BOBBY LYNN PROPST
ELLEN RENAE MEASMER

45

GEORGE F. STIREWALT

-L- PC Sta. 78+15.27

Place Matting for Erosion Control on Slope as Work Allows. Sta. 72+00 to Sta. 74+00 RT

35 x 10 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 8.3B

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Microstation V8i (SELECTseries 3) 08.11.09.443

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-40/CONST.09
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

MATCH LINE SHEET 8 -L- STA. 81+00.00

MATCH LINE SHEET 10 -L- STA. 95+00.00

46 MICHAEL LEE STIREWALT

47 JACOB H. H. SLOOP & MARY LOU SNEAD SLOOP

49 NADINE J. OWENS (WIDOW)

50 REBECCA FORD THOMASON AND HUSBAND DALE LEE THOMASON

51 JACOB H. H. SLOOP AND WIFE MARY LOU SNEAD SLOOP

54 DANNY H. SLOOP AND WIFE SUSAN B SLOOP

55 STEVEN C. SELLERS AND WIFE LYNN B. SELLERS

57 TIMOTHY G. WOMBLE AND WIFE SONIA S. WOMBLE

45 GEORGE F. STIREWALT

48 CHRISTOPHER CLINE AND WIFE MONTIE STIREWALT CLINE

52 THE MARY ALICE CARPENTER REVOCABLE TRUST

53 HASKEL BROWN TROUTMAN AND WIFE LINDA I. TROUTMAN

56 THE MARY ALICE CARPENTER REVOCABLE TRUST

-L- PT Sta. 83+48.10

38 x 12 x 3 1.5 inch Skimmer with 0.5 inch Orifice Diameter 4 ft. weir ID 9.1B

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Microstation CE (RELEASE 07.11.07.384)

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-41/CONST.10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

57 x 13 x 3
ID 10.1B

57
TIMOTHY G. WOMBLE
AND WIFE
SONIA S. WOMBLE

58
TIMOTHY D. ROBERTS
AND WIFE
KIMBERLY H. ROBERTS

61
CLAUDE J. BURRIS, JR.

62
SHANE J. TESCH
AND WIFE
STEPHANIE L. TESCH

56
THE MARY ALICE CARPENTER
REVOCABLE TRUST

59
ALAN K. KUEHL, JR.
AND WIFE
LYNN N. KUEHL

60
ALAN K. KUEHL
AND WIFE
ELAINE F. KUEHL

NAD 83 NSRS 2007

-L- PC Sta. 96+56.94

-L- PT Sta. 103+26.69

MATCH LINE SHEET 9 -L- STA. 95+00.00

MATCH LINE SHEET 11 -L- STA. 108+60.00

N 0°56'31" E 794.25'

S 88°13'28" E 145.85'

S 88°08'27" E 263.41'

S 87°36'02" E 504.80'

S 88°05'54" E 177.54'

N 0°56'08" W 532.75'

S 31°53'07.7" E

S 31°50'24.9" E

S 0°30'29" W 816.16'

S 33°55'57" W 536.86'

SPECIAL GRADING
SEE CROSS SECTIONS
STA.96+00 & STA 96+50 LT.

FALSE SUMP
SEE DETAIL AI &
CROSS SECTION
STA. 96+00 LT.

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT DITCH
SEE DETAIL R

SPECIAL CUT BASE DITCH
SEE DETAIL D

SPECIAL CUT DITCH
SEE DETAIL J

FALSE SUMP
SEE DETAIL AJ

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

DITCH TURNS OUT

STANDARD 'V' DITCH
SEE DETAIL Y

WOODS

POND

23-APR-2016 14:27
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Microstation J RENT 21.10.2.2

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-42/CONST JI
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83 NSRS 2007

MATCH LINE SHEET 10 -L- STA. 108+60.00

MATCH LINE SHEET 12 -L- STA. 122+50.00

SPECIAL CUT DITCH SEE DETAIL I

SPECIAL CUT DITCH SEE DETAIL I

SPECIAL SHOULDER GRADING SEE CROSS SECTIONS -L-STA. 114+50 LT.

-L- PC Sta. 115+56.09

-L- PT Sta. 118+11.89

END VARIABLE DEPTH MILLING
BEGIN 2.5" MILLING
BEGIN GRADE LI
-L- STA.120+20.00

END GRADE LB
END 2.5" MILLING
BEGIN VARIABLE DEPTH MILLING
-L- STA.119+26.00

SPECIAL GRADING SEE CROSS SECTIONS STA. 120+50-L- LT.

SPECIAL CUT DITCH SEE DETAIL Q

SPECIAL CUT DITCH SEE DETAIL Q

DITCH TURNS OUT

DITCH TURNS OUT

DITCH TURNS OUT

TOE PROTECTION SEE DETAIL T

SPECIAL GRADING SEE CROSS SECTIONS STA. 120+50-L- RT.

-L- PC Sta. 110+23.11

-L- PT Sta. 113+56.76

BEGIN EXIST. BRIDGE
-L- STA 119+26 (+/-)

END EXIST. BRIDGE
-L- STA 120+18 (+

65 AMELDIA KAY WAGONER (WIDOW)

66 CARL DEAN MCGINNIS AND WIFE KELLY F. MCGINNIS

72 MICHAEL GRADY AND WIFE BONNIE GRADY

63 DAVID M. EAGLE AND WIFE NATASHIA D. EAGLE

64 EQUITY TRUST COMPANY

67 DIANE A. DILL AND HUSBAND KIRBY DILL

68 HELEN S. DOYLE

69 RODNEY M. GOODMAN

60 ALAN K. KUEHL AND WIFE ELAINE F. KUEHL

71 ROBERT MICHAEL BEVILACQUA

73

110 115 120

N 89°13'58" E 343.01'

N 89°13'58" E 149.35'

N 00°46'28" W 113.64'

N 00°44'41" W 298.39'

N 00°42'01" W 524.38'

S 71° 50' 24.9" E 728.78'

S 69° 36' 36.0" E

S 84°28'41" E 161.05'

S 06°28'W E 265.49'

S 06°28'W E 116.07'

S 10°56'09" E 317.09'

S 07°10'39" E 44.50'

N 88°42'31" E 133.77'

N 86°59'19" E 149.34'

N 86°59'19" E 40.00'

S 10°18'15" W 79.61'

S 07°10'39" E 270.24'

S 02°25'57" E 521.98'

S 0°10'10" E 269.71'

DUTCH BUFFALO CREEK

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Division 14 RFEVANS

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-43/CONST12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

72 MICHAEL GRADY AND WIFE BONNIE GRADY

74 JERRY DEAN GARMON AND WIFE TAMMY D. GARMON

75 WILLIAM A LASHLEY III AND TERRI LASHLEY V

76 ANTHONY STEPHEN MORENO AND WIFE PATRICIA ANN MORENO

78 HERMAN C. ABSHER AND WIFE JOY F. ABSHER

73 JAMES S. MOORE AND WIFE MELISSA MOORE

77 JUDY R. PLESS AND HUSBAND VAN STEVEN PLESS

N 40°09'28" E 250.05'

N 40°33'51" E 149.36'

N 40°26'04" E 33.01'

N 00°21'00" E 385.36'

N 09°59'09" E 130.58'

N 05°52'18" E 255.67'

S 69°36'30.0" E

N 89°25'42.6" E

N 82°32'07" E 273.99'

N 82°32'07" E 139.75'

N 82°32'07" E 330.64'

N 82°25'45" E 80.62'

S 85°04'15" E 610.50'

S 03°56'18" E 388.40'

-L- PC Sta. 123+88.64

-L- PT Sta. 126+93.39

MATCH LINE SHEET 11 - STA. 122+50.00

MATCH LINE SHEET 13 - STA. 136+50.00

46 x 10 x 3
4 ft. weir
ID 12.2B

40 x 12 x 3
ID 12.4B

30 x 14 x 3
ID 12.3B

45 x 15 x 3
ID 12.1B

DO NOT DISTURB TREES AND GATE

SPECIAL LATERAL GRASSED SWALE SEE DETAIL AF

CL B RIP RAP EST. 1 TON GEOTEXTILE EST. 5 SY.'S

DITCH TURNS OUT

CL B RIP RAP EST. 3 TON'S GEOTEXTILE EST. 10 SY.'S

SPECIAL CUT DITCH SEE DETAIL I

SPECIAL CUT DITCH SEE DETAIL Q

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH WITH PSRM SEE DETAIL O

TOE PROTECTION SEE DETAIL AG

FALSE SUMP SEE DETAIL AI

TIE TO EX. DITCH

BANK STABILIZATION SEE DETAIL AM

6'X6' RIPRAP PAD 2 TONS CL B 7 S.Y. GEOTEXTILE

OLD BEATTY FORD RD. SR 1221 22' BST

EXISTING R/W

STONE CD

MTL GATE

MTL GATE W/ SOLAR

STORAGE TRAILER

WOODS

ISBKD

HTR

CATT HOUSE

CONC

ISFD

1S BK D

29-APR-2016 14:37
C:\Environments\Design\W-5313_EC_psh_sht12.dgn
Alisbrook

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-44/CONST.13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

MATCH LINE SHEET 12 -L- STA. 136+50.00

MATCH LINE SHEET 14 -L- STA. 148+75.00

-L- PC Sta. 143+19.17

78
HERMAN C. ABSHER
AND WIFE
JOY F. ABSHER

79A
WEISS PROPERTIES, INC.

79A
WEISS PROPERTIES, INC.

79
WEISS PROPERTIES, INC.

79
WEISS PROPERTIES, INC.

79
WEISS PROPERTIES, INC.

79B
MIRANDA OWENS &
LISA TROUTMAN

79D
NEW LIFE DEVELOPERS, LLC

80
PHANIEL BAPTIST CHURCH

77
JUDY R. PLESS
AND HUSBAND
VAN STEVEN PLESS

CEMETERY

ISFD

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT DITCH
WITH PSRM
SEE DETAIL O

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL LATERAL 'V' DITCH
SEE DETAIL AB

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
-L- STA 142+00 TO 144+00 RT

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

DITCH TURNS OUT

+65.92 -L-
EXIST. R/W
30.00'
36.00'

+19.17 -L-
30.00'

+26.36 -L-
EXIST. R/W
30.00'

+76.18 -L-
EXIST. R/W
32.00'

INV. 765.95

INV. 766.31'

INV. 768.46

REMOVE

N 87°17'19" E
269.39'

S 88°00'32" E
139.85'

S 88°10'25" E
188.20'

S 87°55'17" E
200.14'

N 88°01'12" W
301.56'

N 88°01'12" W
251.98'

N 12°00'01" E
240.28'

S 88°48'38" E
14.08'

N 89°25'42" E

S 89°33'38" E
425.35'

S 89°37'14" E
279.90'

S 19°55'02" W
150.29'

S 04°29'43" W
175.80'

N 00°25'13" W
4.80'

N 00°25'39" W
4.80'

N 68°13'27" W
681.15'

S 10°24'27" W
185.01'

S 22°41'19" E
105.43'

S 69°10'22" E
W 20.52.00" N

N 68°52'00" W
W 20.52.00" N

N 00°25'39" W
4.80'

S 89°37'14" E
279.90'

S 19°55'02" W
150.29'

S 22°41'19" E
105.43'

S 69°10'22" E

N 68°52'00" W

N 00°25'13" W
4.80'

N 00°25'39" W
4.80'

N 89°25'42" E

S 89°33'38" E
425.35'

S 04°29'43" W
175.80'

N 12°00'01" E
240.28'

S 88°48'38" E
14.08'

N 68°13'27" W
681.15'

S 10°24'27" W
185.01'

S 22°41'19" E
105.43'

S 69°10'22" E

N 68°52'00" W

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ALL REVISIONS AS NOTED

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-45/CONST.14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

58 x 15 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
4 ft. weir
ID 14.1B

NAD 83/NSRS 2007

ESTATE DEVELOPERS
79C

-Y3- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y3- POT Sta.10+50.00
S 16°36' 02.8" E

-L- PT Sta. 149+88.37

-L- POT Sta.152+45.00 =
-Y3- POT Sta. 12+24.08

82
LESTER RAY TROUTMAN
AND WIFE
ELIZABETH L. TROUTMAN

81
PANTAS PROPERTIES, LLC

83
RUBY D. STOKES (LIFE ESTATE) &
TIFFANY MILSTEAD SHOE

DAVID M. DENNIS

-Y3- PC Sta. 10+32.53

-Y3- PT Sta. 11+49.71

DO NOT DISTURB WELLS

84
VAUGHN HOKE WILHELM &
DICO MURPHY WILHELM
(LIFE ESTATE)

85
TINA HODNETT

-L- PC Sta. 153+61.07

JOHN W. RUSSELL
AND WIFE
MARTHA A. RUSSELL
86

80
PHANIEL BAPTIST CHURCH

DO NOT DISTURB ISFD

-L- POT Sta. 152+45.00 =
-Y4- POT Sta. 10+00.00
S 16°36' 02.8" E

-Y4- PC Sta. 10+65.91

-Y4- PRC Sta. 12+23.85

END CONSTRUCTION
-Y4- POC Sta.13+75.00

-Y4- PT Sta. 13+76.17

-Y4- POT Sta. 14+90.87

MATCH LINE SHEET 13 -L- STA. 148+75.00

MATCH LINE SHEET 15 -L- STA. 156+50.00

SPECIAL CUT DITCH SEE DETAIL K

CL B RIP RAP EST. 3 TONS GEOTEXTILE EST 10 SY.'S

STANDARD BASE DITCH SEE DETAIL A

SPECIAL LATERAL 'V' DITCH SEE DETAIL AB

STANDARD 'V' DITCH SEE DETAIL W

TIE TO EX. DITCH

GRADE TO DRAIN

REMOVE

50' TAPER TYP.

29-APR-2016 15:07
I:\Projects\Environmental\Design\W-5313_EC_psh_sht14.dgn
clkirkman
Bentley PowerGEOPAK V8i (SELECTseries 4)

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-46/CONSTJ5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

S 20°58' E STONE
4.36'

N 78°26'06" E
515.00'

160

165

84
VAUGHN HOKE WILHELM &
DICO MURPHY WILHELM (LIFE ESTATE)

90
WENDY M. STEEN
REBECCA M. BROADWAY

27 x 9 x 3
ID 15.1B

M &
ELM

MATCH LINE SHEET 14 -L- STA. 156+50.00

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL LATERAL 'V' DITCH
SEE DETAIL AB

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL K

2 FDPS

INV 770.25

INV 771.27

REMOVE

36" WOOD

OLD BEATTY FORD RD, SR 1221 22' BST

N 61°16'49.5" E

-L-

-L- ELAB

48" CHL

INV=769.91'

INV=770.91'

INV=769.01'

INV=770.01'

INV 768.80
CONC

INV=769.82'

INV=770.82'

BST AND GRV

VAR GRV

PDE

12" RCP

15" RCP

48" WOOD W/ CONC

48" WOOD W/ 48" WM

EXISTING R/W
PB 5395 PG 490

EXISTING R/W

END 2 EIP
FDPS

N 69°00'36.6" E

MATCH LINE SHEET 16 -L- STA. 169+25.00

KATHRYN A. BARKLEY

91
SPECIAL LATERAL 'V' DITCH
SEE DETAIL AA

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
-L- STA 158+00 TO 159+00 RT

TIE TO EXISTING
DITCH
SPECIAL CUT DITCH
SEE DETAIL K

86A

CL B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 TONS

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

SPECIAL CUT DITCH
SEE DETAIL K

S 28°57'50" E
204.00'

S 29°02'16" E
108.41'

JESSICA HATHCOCK

N 61°02'10" E
80.67'

48" WILLOW
OAK

86
JOHN W. RUSSELL
AND WIFE
MARTHA A. RUSSELL

87
ROBERT DEAN ASHBY
AND WIFE
LAURA J. ASHBY

-L- PT Sta. 157+04.36

EIP

N 62°09'43" E
202.58'

N 68°44'46" E
75.00'

EIP

STANDARD BASE DITCH
SEE DETAIL A

-L- PC Sta. 162+03.40

S 37°56'47" E
311.58'

88
KEITH ROBERT SHUPING
AND WIFE TAMMY S. SHUPING

S 34°02'31" E
374.28'

AXLE

N 62°14'01" E
262.94'

AXLE

SPECIAL CUT DITCH
SEE DETAIL K

89
MARIA DEL CARMEN HERNANDEZ &
HORTENCIA ANDAYA

-L- PT Sta. 167+43.05

MTL GATE

VAR GRV

CLINTRY RIDGE RD, VAR GRV

40.00'

PAVEMENT TO BE OBLITERATED

29-APR-2016 15:23
N:\Environmental\Projects\W-5313_EC_psh_sht15.dgn
dlt
RENV 21.38.2

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-47/CONSTJ6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

MATCH LINE SHEET 15 -L- STA. 169+25.00

MATCH LINE SHEET 17 -L- STA. 183+00.00

90 WENDY M. STEEN
REBECCA M. BROADWAY

92 GENE BRADFORD STEEN
AND WIFE
WENDY M. STEEN

94 CHUCK E. BROADWAY
AND WIFE
REBECCA M. BROADWAY

95 DUANE HOWARD WOODIE

98 DENNIS A. DANIELS
AND WIFE
AMY DANIELS

91 KATHRYN A. BARKLEY

93 CAROLYN L. BOYD

96 DALE ROBIN WOODIE &
REBA WOODIE (WIDOW)

97 GERALD EDWARDS
JANET W. EDWARDS

Modified Silt Basin
Type 'B'
17 x 11 x 3
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 16.1B

17 x 11 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 16.1B

47 x 10 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 16.3B

Modified Silt Basin
Type 'B'
32 x 15 x 3
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 16.2B

32 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 16.2B

-L- PC Sta. 178+30.61

-L- PT Sta. 181+83.91

N 69°00'36.6" E

N 73°30'31" W

N 48°09'00" E 87.90'

N 23°31'57" W 13.94'

N 68°43'43" E 50.15'

N 68°43'43" E 50.15'

N 68°43'43" E 214.78'

N 46°35'05" E 240.83'

N 76°06'17" E 203.30'

N 81°44'37" E 107.70'

S 69°38'22" E 234.39'

N 88°08'31" E 209.38'

N 41°40'05" E 246.32'

S 33°40'51" E 449.71'

S 13°54'02" E 725.80'

N 24°50'09" W 1145.29'

N 20°18'22" W 2308.01'

S 17°52'18" E 193.57'

S 24°01'28" E 585.90'

N 28°35'06" W 353.27'

N 40°36'43" W 252.74'

INV = 701.40

INV = 700.80

END SBG
STA. 180+30 RT

BEGIN SBG
STA. 179+14 RT

RCBC 1 @ 9'X8'
-L- STA. 179+65.00

TOP = 718.25
INV = 715.25

SPECIAL CUT DITCH
SEE DETAIL K

TOE PROTECTION
SEE DETAIL AG

STANDARD 'V' DITCH
WITH RIP RAP
SEE DETAIL AN

DITCH TURNS OUT

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
STA 177+00 LT

TOE PROTECTION
CLASS B RIP RAP 17 TONS
GEOTEXTILE FABRIC 40 SY
SEE DETAIL AH

PLACEMENT OF NATURAL
STREAM BED MATERIAL

SPECIAL LATERAL 'V' DITCH
WITH PSRM
SEE DETAIL AC

SPECIAL LATERAL 'V' DITCH
SEE DETAIL AA

SPECIAL LATERAL 'V' DITCH
WITH PSRM
SEE DETAIL AC

SPECIAL LATERAL 'V' DITCH
WITH RIP RAP
SEE DETAIL AD

SPECIAL CUT DITCH
SEE DETAIL L

CLASS B RIP RAP
EST. 1 TON
GEOTEXTILE
EST. 5 TONS

CLASS B RIP RAP
EST. 1 TON
GEOTEXTILE
EST. 5 TONS

BANK STABILIZATION
SEE DETAIL AO
FILL IN EXISTING SCOUR HOLE:
CLASS II RIP RAP 36 TONS
SIDE SLOPES:
GEOTEXTILE 50 SY
CLASS I RIP RAP 30 TONS

GRAU 350 TL-3

8d TAPER

CITY FORD RD, SR 1221, 22' BST

REMOVE

WOODS

ISFD

ISBKD

HTR

MTL CANOPY

I.5SBKD

29-APR-2016 15:34
R:\Environmental\Projects\Design\W-5313_EC_psh_sht16.dgn
Alignment: -L- (Design) W-5313_EC_psh_sht16.dgn

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-48/CONST.17
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

GERTRUDE B. SAPP
AND HUSBAND
TIMOTHY N. SAPP

Place Matting for Erosion Control on Slope as Work Allows. Sta. 191+50 to Sta. 192+50

35 x 10 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 17.1B

45 x 14 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 17.3B

DENNIS A. DANIELS
AND WIFE
AMY DANIELS (98)

DENNIS A. DANIELS
AND WIFE
AMY DANIELS (98)

PENNY ROWLAND

N 17°26'52" E
565.34'

N 07°39'20" E
214.72'

STA. 183+00.00

MATCH LINE SHEET 16 -L- STA. 183+00.00

MATCH LINE SHEET 18 -L- STA. 196+50.00

OLD BEATTY FORD RD, SR 1221 22' BST

-L- N 73° 30' 31" E

HTR

FLAG POLE

FDPS

REMOVE

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT BASE GRASSED SWALE
SEE DETAIL G

DITCH TURNS OUT

SPECIAL LATERAL BASE DITCH
WITH RIP RAP
SEE DETAIL H

SPECIAL CUT BASE DITCH
SEE DETAIL C

PIPE IS HALF FULL
OF SEDIMENT

60" CMP

72" RCP

15" RCP

GRAU 350 TL3

8d TAPER

CFW

RDE

PDE

AUE

TDE

AT-1

AT-3

STANDARD 'V' DITCH
SEE DETAIL Y

I S BK D

VAR CONC

VAR GRV

WOODS

481 CMS

RETAIN

FLOATING
TURBIDITY
CURTAIN

ACCESS TO POND FOR SEDIMENT
MONITORING AND MAINTENANCE ONLY

DO NOT ALLOW SEDIMENT
TO DEPOSIT IN POND

RIP RAP AT EMBANKMENT
SEE DETAIL AL

BANK STABILIZATION
SEE DETAIL AM

Place Matting for Erosion Control on Slope as Work Allows. Sta. 190+00 to Sta. 191+50

50 x 14 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 17.2B

5/8" CORNER TO
EXISTING R/W

97 GERALD EDWARDS
JANET W. EDWARDS

99 WANDA ANN GRIFFIN ADKINS
CYNTHIA JO GRIFFIN

100 THOMAS W. COLMAN &
CHERYL A. COLMAN

101 WESLEY

102 EVA MAE PHILLIPS (WIDOW)

103 MICHAEL B. MILEM

RONALD S. WALKER
AND WIFE
DAWN SHINN WALKER

ISBKD

S 12°55'28" E 1255.79'

S 12°55'28" E 486.49'

S 04°26'38" E 576.36'

S 04°26'38" E 2332.32'

S 05°43'36" E 2744.00'

S 28°30'00" E 2831.08'

09-MAR-2017 11:32
R:\EC_Corrections\Design\W-5313_EC_psh_sht17.dgn
MICRO STATION V8i (SELECTseries 3)

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-49/CONST18
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

-L- PC Sta. 203+36.78

-L- PC Sta. 209+74

-L- PT Sta. 207+55.18

47 x 12 x 3
ID 18.1B

64 x 12 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 18.3B

26 x 10 x 3
1.5 inch Skimmer
with 0.25 inch
Orifice Diameter
4 ft. weir
ID 18.2B

MATCH LINE SHEET 17 -L- STA. 196+50.00

MATCH LINE SHEET 19 -L- STA. 210+50.00

PENNY ROWLAND

106 DENNIS A. DANIELS AND WIFE AMY A. DANIELS

110 DANIEL D. DUGANNE, JR.

112 WILLIAM C. PREVETTE AND WIFE HARRIET L. PREVETTE DB 629 PG 820

111 JOHN G. COLLINS

105 RONALD S. WALKER AND WIFE DAWN SHINN WALKER

107 ERIC L. MOORE

108 RODNEY LEE MOORE AND WIFE TONYA H. MOORE

109 JOE WAYNE MOORE AND WIFE VIRGIE C. MOORE

98

N 71°26'43" E 464.55'

N 03°44'08" E 385.43'

N 75°06'36" E 391.84'

N 73° 30' 31" E

N 70° 05' 02" E

S 02°26'11" W 245.53'

S 03°27'32" W 208.48'

S 03°47'02" E 243.85'

S 34°28'57" E 110.34'

N 55°09'40" E 260.85'

S 03°12'53" W 508.30'

N 03°54'48" E 52.08'

S 03°25'43" W 155.33'

N 03°25'43" E 169.17'

SPECIAL CUT BASE DITCH SEE DETAIL C

SPECIAL CUT DITCH SEE DETAIL K

REMOVE APPROXIMATELY 16 FEET

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT GRASS SWALE SEE DETAIL AE

RIP RAP AT EMBANKMENT SEE DETAIL AL

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT GRASS SWALE SEE DETAIL AE

CLASS B RIP RAP=2 TON GEOTEXTILE=7 SY

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH SEE DETAIL K

BANK STABILIZATION SEE DETAIL AM

BURIED 20%

END 2' FDPS

BEG 2' FDPS

REMOVE

EXISTING R/W

OLD BEATTY FORD RD. SR 1221

MOORE VILLAGE RD.

29-APR-2016 15:49
N:\Environmental\Projects\W-5313_EC_psh_sht18.dgn
Alignment: -L- REFW: 27.38'

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-50/CONST.19
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

-L- PT Sta. 214+81.54

112 WILLIAM C. PREVETTE AND WIFE HARRIET L. PREVETTE

114 DORA W. SLOOP (WIDOW)

115 MICHAEL O'BRIANT PARROTT AND WIFE HAVEN PARROTT

118 STEVE M. CANDLER AND WIFE FREDA G. CHANDLER

111 JOHN G. COLLINS

113 WILLIAM JUNIOR GILBERT AND WIFE GLENDA FAYE GILBERT

116 JOHN G. COLLINS & LEA ANN COLLINS BUCKWELL

117 MYRA K. BOST

35 x 15 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 19.1B

40 x 10 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 19.2B

DO NOT DISTURB FO CONCENTRATOR SITE

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT BASE DITCH SEE DETAIL C

STANDARD BASE DITCH SEE DETAIL A

CLASS B RIP RAP EST. 3 TONS GEOTEXTILE EST. 11 SY.'S

CLASS B RIP RAP EST. 3 TONS GEOTEXTILE EST. 10 SY.'S

-L- PC Sta. 218+60.63

-L- PT Sta. 223+62.55

MATCH LINE SHEET 18 -L- STA. 210+50.00

MATCH LINE SHEET 20 -L- STA. 223+75.00

BEATTY FORD RD. SR 1221 22' BST

N 47° 43' 40.7" E

N 66°10'43" E 109.75'

N 66°19'42" E 374.40'

N 63°15'11" E 31.56'

S 01°44'55" W 289.60'

S 01°05'26" W 389.00'

S 42°56'33" E 37.98'

N 12°00'43" W 45.40'

N 12°00'43" W 45.40'

N 14°54'29" W 45.53'

N 14°54'29" W 45.53'

29-APR-2016 15:53
H:\Environmental\Projects\Design\W-5313_EC_psh_sht19.dgn
dlcrump

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-51/CONST.20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

MATCH LINE SHEET 19 -L- STA. 223+75.00

MATCH LINE SHEET 21 -L- STA. 237+45.00

118 STEVE M. CANDLER AND WIFE FREDA G. CHANDLER

117 MYRA K. BOST

119 JANE K. HONBARRIER

120 JANET K. STANCIL AND JEFFERY VANCE KING

121 JEFFERY VANCE KING & JANET KING STANCIL

122 LANE C. BROWN

123 RICHARD BROYLES

-L- PC Sta. 229+64.92

-L- PT Sta. 232+51.72

-Y5- POT Sta. 10+00.00

JOHN THOMAS DONALDSON

-Y5- PC Sta. 11+31.75

BEGIN CONTRUCTION

-Y5- POC Sta. 11+90.00

-Y5- PT Sta. 12+45.84

-Y5- POT Sta. 13+33.49

= -L- Sta. 233+56.00

S 32° 30' 55.7" E

TIE -Y5- ROADWAY DITCH TO PROPOSED DITCH -L-

TIE -Y5- PROPOSED DITCH TO EXISTING DITCH -L-

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH SEE DETAIL I

SPECIAL CUT DITCH SEE DETAIL A

CLASS B RIP RAP EST. 5 TONS GEOTEXTILE EST. 14 SY. S

-Y6- PC Sta. 10+62.23

-Y6- POT Sta. 10+00.00

= -L- Sta. 233+56.00

S 26° 31' 24.5" E

-Y6- PRC Sta. 12+23.56

-Y6- PT Sta. 14+69.00

END CONSTRUCTION

-Y6- POT Sta. 15+00.00

-Y6- POT Sta. 15+78.81

-L- PC Sta. 237+05.87

OLD BEATTY FORD RD. SR 1221 22' BST

SHUFORD MILL RD. SR 2559 18' BST

N 71° 41' 33.7" E

S 41° 40' 14.3" E

N 63° 28' 35.5" E

S 82° 51' 43" E 220.50'

S 82° 28' 41" E 263.71'

N 10° 44' 47" E 254.54'

S 00° 07' 51" W 35.01'

S 84° 29' 37" E 101.05'

S 7° 06' 45" E 256.87'

N 7° 06' 45" W 3,660.25'

S 84° 26' 09" E 3,660.20'

EXISTING R/W

EXISTING R/W BK 5995 PG 9354

ROADWAY DITCH TURNS OUT

GRADE TO DRAIN

OBLITERATE PAVEMENT

REMOVE

4 SBW DILAPIDATED

WOODS

OUTCROPPINGS

STONE

POOL

HTR

I S BK D

G

WOOD

CONC

10' GRV

VAR GRV

15" RCP

12" RCP

18" RCP

24" RCP

2' FDPS

CFW

AUE

FDPS

SBW

HTR

+04.42 45° R

+11.00 45° R

+82.00

+95.93 45° R

100.00 45° R

50' TAPER TYP.

24.34'

5000M

23-APR-2016 15:58
R:\Environmental\Projects\W-5313_EC_psh_sht20.dgn
Hydraulics Engineer
RENEE 27.382

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-52/CONST.21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

96 x 17 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
6 ft. weir
ID 21.1B

NAD 83/NSRS 2007

MATCH LINE SHEET 20 -L- STA. 237+45.00

MATCH LINE SHEET 22 -L- STA. 251+15.00

-L- PT Sta. 245+16.95

JOHN THOMAS DONALDSON

(124) GREGORY J. TAYLOR & MARYON L. TAYLOR

(123) RICHARD BROYLES

(125) JAMES F. HAITHCOCK AND WIFE SHARON D. HAITHCOCK

(126) GEORGE W. BOYD, III AND WIFE PATRICIA S. BOYD

(127) REBECCA LOUISE SIFFORD

SPECIAL CUT DITCH SEE DETAIL I

CLASS B RIP RAP EST. 3 TONS GEOTEXTILE EST. 10 SY.'S

STANDARD BASE DITCH SEE DETAIL A

REMOVE

REMOVE ROADWAY DITCH TURNS OUT

-RELAB-

GAZEBO

POOL

WOODS

240

245

250

23-APR-2016 16:03
R:\EPS\Projects\Design\W-5313_EC_psh_sht21.dgn
Dkirkman
AT RENT-3713864

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-53/CONST.22
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

S 86°37'19" E
80.35'

KAREN JOHNSON
AND HUSBAND
JAY JOHNSON
131

RONALD W. MEISNER
AND WIFE
KATRINA B. MEISNER
129

LARRY ALLEN BELL
AND WIFE
JULIE DEAL BELL
128

N 78°49'22" E
263.94'

N 03°28'42" E
506.06'

N 03°01'44" E
307.44'

N 02°02'29" E
343.87'

255

260

STANDARD BASE DITCH
SEE DETAIL A

CLASS B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 SY.'S

FRANK S. STILLER
BRENDA K. STILLER
135

ANTHONY J. GRANET, III
AND WIFE
MICHELLE L. GRANET
137

BRYANT MOWERY
139

STEVEN G. HOWARD
AND WIFE
LISA T. HOWARD
133

RONNIE L. HINSON
AND WIFE
REGINA F. HINSON
134

N 81°46'31" E
97.72'

N 81°36'02" E
121.35'

S 08°58'33" E
190.10'

N 07°01'59" W
154.47'

S 02°24'20" E
182.59'

REMOVE

ISF ABAND

ISF MTL BUS

ISF BUS

ISF

HTR

MTL CANOPY

OUT HOUSE

G

S

B

W

3' BK

18" GRV

10" GRV

7" GRV

12" RCP

15" RCP

18" RCP

21" RCP

24" RCP

1.5SBKD

INV = 788.2'

INV = 788.45'

INV = 788.72'

INV = 788.4'

PDE

TDE

5-06" CORNER TO EXISTING R/W

EXISTING R/W

WOODS

4' CONC

HTR (BK)

WOOD

N 79° 21' 51.2" E

OLD BEATTY FORD RD, SR 1121 22' BST

-L- STA. 251+75.00

MATCH LINE SHEET 21 -L- STA. 251+75.00

-L- STA. 264+55.00

MATCH LINE SHEET 23 -L- STA. 264+55.00

S 05°42'54" W
29.91'

S 03°25'40" W
30.41'

S 05°49'22" W
174.75'

S 03°25'40" W
178.46'

S 01°48'55" W
259.87'

S 01°55'52" W
191.62'

S 04°15'08" W
172.30'

S 02°10'41" W
215.80'

S 04°16'59" W
215.80'

S 05°27'05" W
206.65'

S 05°23'05" W
246.58'

S 15°59'27" W
658.27'

S 88°07'49" E
197.32'

N 79°12'48" E
180.58'

-L- PC Sta. 257+21.36

-L- PT Sta. 264+24.61

+24.50
29.91'

DO NOT DISTURB
SIGN ON PARCEL 138

130 DARRELL L. MARTIN
AND WIFE
DEBORAH D. MARTIN

130A ROBERT A. SEVERT

130B JULIA D. BELL

134A FRANKLIN DALE ALDRIDGE

136 RONALD TAYLOR &
WIFE, SHEILA TAYLOR

138 RONALD D. TAYLOR
AND WIFE
SHEILA M. TAYLOR

29-APR-2016 16:13
R:\Environmental\Planning\W-5313_EC_psh_sht22.dgn
Horizontal: 21 REVW 27.1.3.4

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-54/CONST.23
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

139
BRYANT MOWERY

140
RODNEY S. MAHALEY
AND WIFE
DANA W. MAHALEY

142
ANDREW N. FRICK
AND WIFE
MACHELLE S. FRICK

143
GARRET J. GOBLE
AND WIFE
RAINA S. GOBLE

145
EDITH KETNER

141
MILDRED C. MOORE

138
RONALD D. TAYLOR
AND WIFE
SHEILA M. TAYLOR

144
STOLZ FANILY LIMITED PARTNERSHIP

146
JOHN LAWRENCE GOODWIN
AND WIFE
CAROL GOODWIN

265 270 275

N 02°35'57" E 652.39'
N 22°47'39" E 95.09'
N 21°22'06" E 508.34'
N 17°29'18" E 604.07'

2SFD

MATCH LINE SHEET 22 -L- STA. 264+55.00

MATCH LINE SHEET 24 -L- STA. 278+90.00

S 84° 31' 06.7" E

OLD BEATTY FORD RD. SR 1221 22' BST

EXISTING R/W

DB 1067 PG 872 C & S OF CORNER TO EXISTING R/W

EIP

EIP #5 CMB

REMOVE

SPECIAL CUT DITCH
SEE DETAIL K

CLASS B RIP RAP
EST. 5 TONS
GEOTEXTILE
EST 14 SY.'S

CLASS B RIP RAP =2 TON
GEOTEXTILE =7 S.Y.

DITCH TURNS OUT

WOODS

I S F D

I S BK D

4" CONC

2' FDPS

3' GRV

12" RCP

15" RCP

18" RCP

24" RCP

30" RCP

42" RCP

INV = 772.3'

INV = 772.40'

INV = 772.77'

INV = 768.91'

INV = 768.37'

INV = 768.24'

S 04°57'09" W 241.36'

S 04°23'54" W 259.62'

S 86°38'51" E 142.24'

S 05°53'37" W 1001.73'

24.37'

24.88'

30.20'

02-MAY-2016 10:47
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mcrow
(PSH)

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-55/CONST24
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

Place Matting for Erosion Control on Slope as Work Allows. Sta. 284+50 to Sta. 285+50

Place Matting for Erosion Control on Slope as Work Allows. Sta. 284+50 to Sta. 285+50

DO NOT DISTURB TREES, ADJUST CONSTRUCTION LIMITS AS NEEDED TO ELIMINATE ANY IMPACTS PER DIRECTION OF THE CONSTRUCTION ENGINEER

145 EDITH KETNER

146 JOHN LAWRENCE GOODWIN AND WIFE CAROL GOODWIN

147 LENEA SHERRILL GOBLE (WIDOW)

148 DONALD F. RAINES

149 CLAUDE M. WEAVER AND WIFE BETTY J. WEAVER

150 MARK L. BROWN AND WIFE TINA M. BROWN

151 JOHN LEE NEWELL AND WIFE CHRISTINE K.NEWELL

153 ORLIN CRUSE HOUSE

JANIE I. MARTIN AND HUSBAND STEPHEN S. MARTIN

MATCH LINE SHEET 23 -L- STA. 278+90.00

MATCH LINE SHEET 25 -L- STA. 292+80.00

-L- PC Sta. 291+39.54

-ELAB-

OLD BEATTY FORD RD. SR 1221 22' BST

HPB

SPECIAL CUT DITCH SEE DETAIL K

SPECIAL CUT DITCH SEE DETAIL I

SPECIAL CUT DITCH WITH PSRM SEE DETAIL N

SPECIAL CUT DITCH WITH PSRM SEE DETAIL O

BANK STABILIZATION SEE DETAIL AM

CLASS B RIP RAP =2 TON GEOTEXTILE =7 S.Y.

DITCH TURNS OUT

CLASS B RIP RAP EST. 3 TONS GEO. TEXTILE EST 10 SY.'S

TIE TO EXISTING DITCH

REMOVE

WOODS

ISFD

ISBKD

MH CANOE

TELEPHONE CHANGES FROM LEVEL B TO LEVEL B AT THIS POINT

02-MAY-2016 10:51
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Corp. of FDW 2.5.2

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-56/CONST.25
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

HISTORIC PROPERTY BOUNDARY PROTECTED WITH SAFETY FENCE

ORLIN CRUSE HOUSE

153

JANIE L. MARTIN
AND HUSBAND
STEPHEN S. MARTIN

DO NOT DISTURB TREES, ADJUST CONSTRUCTION LIMITS AS NEEDED TO ELIMINATE ANY IMPACTS PER DIRECTION OF THE CONSTRUCTION ENGINEER

SPECIAL CUT DITCH SEE DETAIL I

-L- PT Sta. 301+49.76

NAD 83/NSRS 2007

ALFRED RAY WILHELM
AND WIFE
MARGARET JOAN BROWN WIL

JEFFERY TODD HILL

DAVID R. EUART

AMY VENDITTI

LINDA POWERS

MATCH LINE SHEET 24 -L- STA. 292+80.00

MATCH LINE SHEET 26 -L- STA. 305+50.00

S 79° 22' 51.8" E

S 89° 34' 45.7" E

-L- PC Sta. 296+39.81

END L1 GRADE
BEG TIP PROJECT W-5146
-L- Sta. 295+35.81

-L- PT Sta. 293+63.70

154

MICHAEL HAROLD MILLER

MICHAEL SIDOROVIC
KAREN S. STIREWALT

LARRY C. CHEESEMAN
AND WIFE
JEAN E. CHEESEMAN

02-MAY-2016 12:02
N:\Environmental\Design\W-5313_EC_psh_sht25.dgn
ncdot_d1_pwz_8.5x11.dgn (pwz_8.5x11)

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-57/CONST.26
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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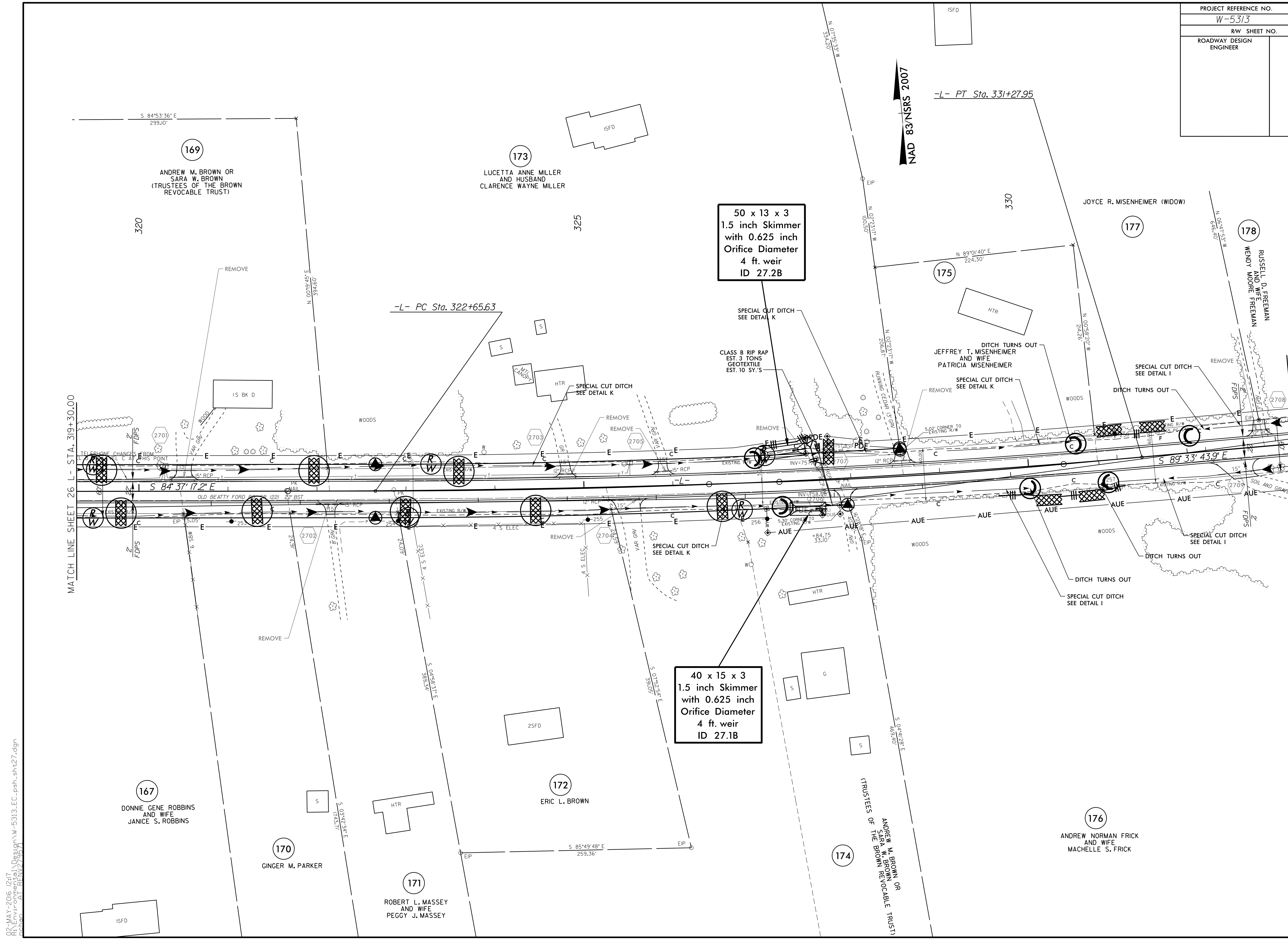
nchan AT RENV27957


PROJECT REFERENCE NO.
W-5313
SHEET NO.
EC-58/CONST.27
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
NAD 83/NSRS 2007
-L- PC Sta. 322+65.63
-L- PT Sta. 331+27.95
MATCH LINE SHEET 26 -L- STA. 319+30.00
MATCH LINE SHEET 28 -L- STA. 333+00.00
S 84°37′ 17.2″ E
S 89° 33′ 43.9″ E
OLD BEATTY FORD RD SR 1221 22′ BST
50 x 13 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 27.2B
40 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 27.1B
CLASS B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 SY.'S
SPECIAL CUT DITCH SEE DETAIL K
SPECIAL CUT DITCH SEE DETAIL I
DITCH TURNS OUT
TELEPHONE CHANGES FROM LEVEL B TO LEVEL C AT THIS POINT
REMOVE
WOODS
169
ANDREW M. BROWN OR SARA W. BROWN (TRUSTEES OF THE BROWN REVOCABLE TRUST)
173
LUCETTA ANNE MILLER AND HUSBAND CLARENCE WAYNE MILLER
175
JEFFREY T. MISENHEIMER AND WIFE PATRICIA MISENHEIMER
177
JOYCE R. MISENHEIMER (WIDOW)
178
RUSSELL D. FREEMAN AND WIFE WENDY MOORE FREEMAN
167
DONNIE GENE ROBBINS AND WIFE JANICE S. ROBBINS
170
GINGER M. PARKER
171
ROBERT L. MASSEY AND WIFE PEGGY J. MASSEY
172
ERIC L. BROWN
174
ANDREW M. BROWN OR SARA W. BROWN (TRUSTEES OF THE BROWN REVOCABLE TRUST)
176
ANDREW NORMAN FRICK AND WIFE MACHELLE S. FRICK
S 84°53′36″ E 299.10′
N 00°19′45″ E 394.60′
N 07°35′33″ W 334.20′
N 02°23′17″ W 100.50′
N 02°23′17″ W 206.87′
N 89°01′40″ E 224.30′
N 00°58′20″ W 214.26′
N 06°47′53″ W 646.40′
S 03°42′34″ E 1743.71′
S 04°58′37″ E 389.34′
S 07°52′54″ E 391.05′
S 85°49′48″ E 259.36′
S 04°41′28″ E 469.40′
320
325
330
02-MAY-2016 12:17
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PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-59/CONST.28
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

MATCH LINE SHEET 27 -L- STA. 333+00.00

MATCH LINE SHEET 29 -L- STA. 346+65.00

-L- PC Sta. 337+50.11

-L- PT Sta. 346+49.65

178
RUSSELL D. FREEMAN
AND WIFE
WENDY MOORE FREEMAN

REBECCA FOIL ANDERSON (WIDOW)

180

181
JAMES LEE HOFFNER
AND WIFE
HELEN M. HOFFNER

179
VERNA J. COLEY (WIDOW)

179A

179B

182
RYBURN FARM
EQUIPMENT COMPANY

182A

182B

183

183
TRUSTEES OF
VISION BAPTIST CHURCH

184
ALINE B. VEACH &
CONNIE V. POOLE

176
ANDREW NORMAN FRICK
AND WIFE
MACHELLE S. FRICK

SPECIAL CUT DITCH
SEE DETAIL I

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
WITH PSRM
SEE DETAIL M

SPECIAL CUT BASE DITCH
WITH PSRM
SEE DETAIL E

CLASS B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 10 SY.S

DRIVE WAS MADE FOR LOGGING
OPERATION.NO LONGER USED.

DO NOT DISTURB WELL
ON PARCELS 179, 179A,
179B, 182, 182A, 182B,
AND 183

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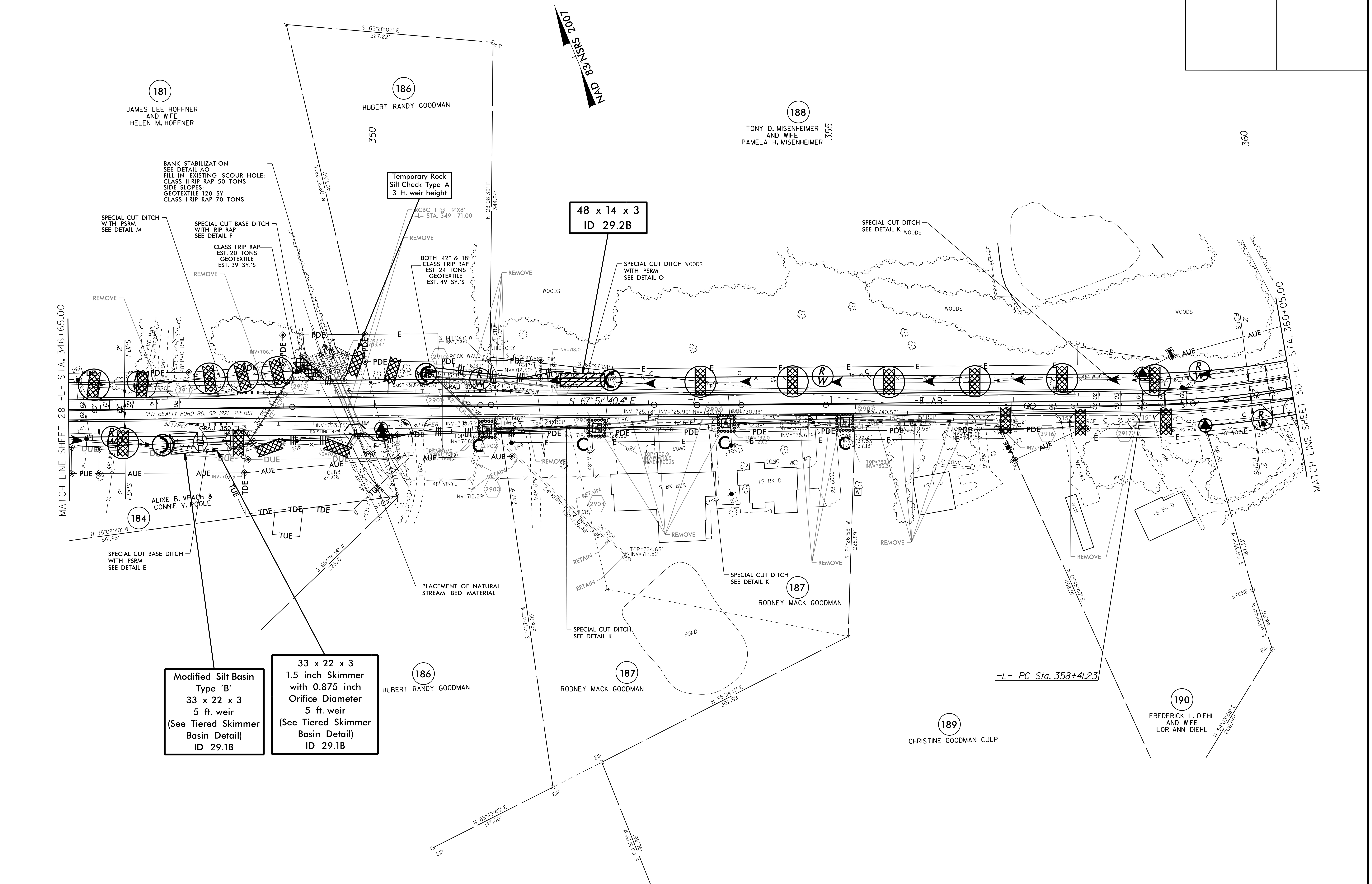
ncdot_pshv8i.dgn (v7.0)

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-60/CONST.29
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NAD 83/NSRS 2007
181
JAMES LEE HOFFNER AND WIFE HELEN M. HOFFNER
186
HUBERT RANDY GOODMAN
188
TONY D. MISENHEIMER AND WIFE PAMELA H. MISENHEIMER
350
355
360
BANK STABILIZATION SEE DETAIL AO FILL IN EXISTING SCOUR HOLE: CLASS II RIP RAP 50 TONS SIDE SLOPES: GEOTEXTILE 120 SY CLASS I RIP RAP 70 TONS
Temporary Rock Silt Check Type A 3 ft. weir height
48 x 14 x 3
ID 29.2B
SPECIAL CUT DITCH WITH PSRM SEE DETAIL M
SPECIAL CUT BASE DITCH WITH RIP RAP SEE DETAIL F
CLASS I RIP RAP EST. 20 TONS GEOTEXTILE EST. 39 SY.'S
BOTH 42" & 18" CLASS I RIP RAP EST. 24 TONS GEOTEXTILE EST. 49 SY.'S
SPECIAL CUT DITCH WITH PSRM SEE DETAIL O
SPECIAL CUT DITCH SEE DETAIL K
WOODS
REMOVE
MATCH LINE SHEET 28 -L- STA. 346+65.00
MATCH LINE SHEET 30 -L- STA. 360+05.00
S 67° 51' 40.4" E
OLD BEATTY FORD RD. SR 1221 22' BST
-L-
184
ALINE B. VEACH & CONNIE V. POOLE
SPECIAL CUT BASE DITCH WITH PSRM SEE DETAIL E
PLACEMENT OF NATURAL STREAM BED MATERIAL
SPECIAL CUT DITCH SEE DETAIL K
187
RODNEY MACK GOODMAN
POND
Modified Silt Basin Type 'B' 33 x 22 x 3 5 ft. weir (See Tiered Skimmer Basin Detail) ID 29.1B
33 x 22 x 3 1.5 inch Skimmer with 0.875 inch Orifice Diameter 5 ft. weir (See Tiered Skimmer Basin Detail) ID 29.1B
186
HUBERT RANDY GOODMAN
187
RODNEY MACK GOODMAN
-L- PC Sta. 358+41.23
189
CHRISTINE GOODMAN CULP
190
FREDERICK L. DIEHL AND WIFE LORI ANN DIEHL

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pchan AT RENV27957

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-61/CONST.30
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

TONY D. MISENHEIMER
AND WIFE
PAMELA H. MISENHEIMER
188

194
BROWNIE FISHER STIREWALT (WIDOW) &
STEVEN L. STIREWALT &
KAREN S. STIREWALT

196
STEVEN LEE STIREWALT
AND WIFE
KAREN S. STIREWALT

198
DANNY JOE KNIGHT

-L- PT Sta. 361+79.12

365

370

S 85°21'49" E
217.97'

EIP

N 02°42'09" E
316.80'

N 00°57'54" E
364.47'

37 x 12 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 30.1B

DITCH TURN OUT
CLASS B RIP RAP = 2 TONS
GEOTEXTILE=7 S.Y.

CL B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 11 SY.'S

SPECIAL CUT DITCH
SEE DETAIL U

SPECIAL CUT DITCH
SEE DETAIL K

CL B RIP RAP
EST. 3 TONS
GEOTEXTILE
EST. 11 SY.'S

GRADE to DRAIN

WOODS

AUE

48" WOOD

15"

12" RCP
REMOVE

5.00' CORNER TO
EXISTING R/W

REMOVE & REPLACE
w/24" RCP-V

REMOVE
REPLACE
w/24" RCP-V

REMOVE

CULTIVATED

9' GRV

I S F D

I S BK BUS

I S BK D

3' CONC

HTR

OUT
HOUSE

B

S

72" CMP

BST

CHL
GATES

VAR BST

1" GRV

REMOVE (3009)

OLD BEATTY FORD RD. SR 1221 22' BST

S 87°13'13.7" E

-L-

MATCH LINE SHEET 29 -L- STA. 360+05.00

MATCH LINE SHEET 31 -L- STA. 374+00.00

S 04°28'40.0" E
1,182,297.0

12' CONC

2' FDPS

EIP

JEFFREY S. WRIGHT
AND
SHANNON D. SMITH
191

S 04°12'50" W
286.02'

.18' W

PDE
(Due to
Rip Rap
in Ditch)

SPECIAL LATERAL
'V' DITCH
SEE DETAIL AA

STANDARD BASE DITCH
WITH RIP RAP
SEE DETAIL B

SPECIAL CUT DITCH
SEE DETAIL K

NO DRIVEWAY PIPE NEEDED
DRIVEWAY ACTS AS
FALSE SUMP

ISFD

False Sump added to prevent water from crossing divide to adjacent drainage area.
The top of the False Sump is the "Overtopping Elevation" for the cross pipe at 364+42.

45 x 12 x 3
ID 31.1B

SPECIAL CUT
BASE DITCH
SEE DETAIL C

WOODS

192
DAVID MICHAEL LEAR
AND WIFE
DALE S. LEAR

2SBKD

193
NATHAN J. ADAMS
AND WIFE
PEGGY RUSSELL ADAMS

195
NATHAN SCOTT ADAMS
AND WIFE
KRISTY JENAN FREE ADAMS

197
NATHAN J. ADAMS
AND WIFE
PEGGY RUSSELL ADAMS

S 01°47'12" W
1090.08'

S 01°47'12" W
1104.96'

S 01°47'12" W
122.46'

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ADOBE PDF (V7.00)

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-62/CONST.31
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

198
DANNY JOE KNIGHT

199
ROBERT HOLMES BROWN

201
CALVIN LEE KEPLEY
AND WIFE
SHELBY B. KEPLEY

203
JEREMY C. KEPLEY
AND
KRISTINA L. RINGER

204
GUY WALTER BEAM
AND WIFE
FRANCES SHOE BEAM

197
NATHAN J. ADAMS
AND WIFE
PEGGY RUSSELL ADAMS

200
DEAN L. TROUTMAN

202
MELISSA KAY COWAN

205
DONALD L. RAKES
AND WIFE
SHIRLEY G. RAKES

375 380 385

N 01°16'19" E 438.31'

S 87°27'34" E 20.58'

N 43°17'30" E 185.89'

S 50°12'18" E 172.37'

N 55°54'07" E 250.24'

N 12°28'17" E 334.36'

S 87°13'13" E -ELAB-

-L- PC Sta. 385+86.23

+86.23 -L- 30.00'

+25.56 -L- EXIST R/W 30.00'

+86.23 -L- 30.00'

S 02°34'06" W 388.34'

S 02°43'13" W 395.09'

S 06°41'12" W 284.34'

S 87°16'47" E 209.36'

37 x 12 x 3
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 30.1B

45 x 12 x 3
ID 31.1B

Temporary Rock
Silt Check Type A
2.0 ft. weir height

Temporary Rock
Silt Check Type A
2.25 ft. weir height

CL B RIP RAP
EST. 5 TONS
GEOTEXTILE
EST. 16 SY.'S

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

0.5cfs @ Ditch Turn out
protection req'd

DITCH TURNS OUT

GRADE to DRAIN

SPECIAL CUT DTICH
SEE DETAIL K

SPECIAL CUT
BASE DITCH
SEE DETAIL C

SPECIAL CUT DITCH
SEE DETAIL K

REMOVE 18" RCP
REPL w/24" CL IV RCP

REMOVE & REPLACE
w/30" RCP

MATCH LINE SHEET 30 -L- STA. 374+00.00

MATCH LINE SHEET 32 -L- STA. 386+40.00

OLD BEATTY FORD RD. SR 1221 22' BST

CULTIVATED

WOODS

ISFD

HTR

ISBKD

B

G

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dgn_lib_name

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-63/CONST.32
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

Place Matting for Erosion Control on Slope as Work Allows. Sta. 398+00 to Sta. 399+00

206
TONY D. SALAMONE
NANCY MARIE SALAMONE

S 87°47'56" E
457.84'

N 03°36'40" E
288.40'

206
TONY D. SALAMONE
NANCY MARIE SALAMONE

208
DANIEL SCHENK
AND WIFE
HOPE SCHENK

S 88°29'02" E
294.74'

N 03°36'40" E
147.09'

S 88°29'02" E
132.92'

211
JAMES G. LYNCH
MILDRED W. LYNCH

S 86°45'40" E
555.24'

390

395

400

MATCH LINE SHEET 32

MATCH LINE SHEET 33 -L- STA. 400+10.00

-L- STA. 398+00.00

-L- STA. 398+18.00

-L- PT Sta. 390+03.31

-L- PC Sta. 398+97.44

SUSAN S. STARNES

209

205
DONALD L. RAKES
AND WIFE
SHIRLEY G. RAKES

207
SUSAN MICHELLE BURRIS

210
HAROLD MURRAY SAUDER
AND WIFE
SHIRLEY CRAIG SAUDER

S 86°02'53" E
262.50

S 07°45'24" E
258.06

N 07°45'24" E
321.77

S 07°45'24" W
450.56

S 48°19'43" E
173.16'

S 71°03'07" E
255.05'

S 63°19'26.4" E

BANK STABILIZATION
SEE DETAIL AO
FILL IN EXISTING SCOUR HOLE:
CLASS II RIP RAP 35 TONS
SIDE SLOPES:
GEOTEXTILE 100 SY
CLASS I RIP RAP 60 TONS

SPECIAL CUT DITCH
SEE DETAIL U

SPECIAL CUT DITCH
WITH PSRM
SEE DETAIL M

TIE END OF SPECIAL CUT DITCH
TO BANK STABILIZATION

BANK STABILIZATION
EXCAVATION 30 CY
GEOTEXTILE 90 SY
CLASS I RIP RAP 50 TONS
SEE DETAIL AM

45 x 17 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
4 ft. weir
ID 32.1B

48 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 32.2B

RCBC 1 @ 10'X7'

REMOVE

INV=690.38

INV=690.94

INV=691.89

GRAU 350 TL-3

OLD BEATTY FORD RD, SR 1221 22' BST

48" VINYL W/ S.S. FLEX

8" TAPER

WOODS

03-JUN-2016 15:33
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mcoop
dgn: PSHEET.dgn

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-64/CONST.33
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

GRACE LOWER STONE CHURCH

213
GRACE LOWERSTONE UNITED CHURCH OF CHRIST

NAD 83/NSRS 2007

2SBK CHURCH

213
GRACE LOWERSTONE UNITED CHURCH OF CHRIST

COVERED WALKWAY

2SSTONE CHURCH

HISTORIC PROPERTY BOUNDARY PROTECTED WITH SAFETY FENCE

-L- PC Sta. 404+23.36

-L- PT Sta. 410+41.38

405

410

HPB

N 39°39'56" E 523.38'

MATCH LINE SHEET 32 -L- STA. 400+10.00

RETAIN

WOODS

2 FDPS

INV=711.89'

21' BST

2.5X2.5 BK COLUMNS

RETAIN

REMOVE APPROX. 24' OF 15" CONC

INV=713.21'

INV=713.28'

INV=713.28'

OBLITERATE PAVEMENT AND GRADE TO DRAIN

-Y7- POT Sta. 10+00.00
= -L- Sta. 407+65.00

DO NOT DISTURB STONE WALL

TYPICAL CUT DITCH WITH SPECIAL BACK SLOPE SEE DETAIL V

GRADE to DRAIN

OBLITERATE PAVEMENT AND GRADE TO DRAIN

MATCH LINE SHEET 34 -L- STA. 410+75.00

AUE

S 37°09'42.5" E

REMOVE

CEMETERY

4' STONE

STONE COLUMNS

VAR HT STONE WALL

EXISTING R/W

TELEPHONE CHANGES TO BELL LEVEL 3 AT THIS POINT

OLD BEATTY FORD RD. SR 1201

-L-

-L- PT Sta. 402+73.87

12" CONC

14" RCP

4' CONC

2 S BK D

SPECIAL CUT DITCH SEE DETAIL U

GRADE to DRAIN

DILAPIDATED 3 SBW

20:1 TAPER

GRADE to DRAIN

GRADE to DRAIN

S 3°51'55.6" W

S 10°16'07" W 473.89'

END CONSTRUCTION
-Y7- Sta. 11+40.00

-Y7- POT Sta. 11+41.48

-EY13A- -TO BOST RD. SR 2435 (CABARRUS COUNTY) LOWER STONE CHURCH RD. SR 2335

SWITCH BOX

S 01°43'22" W 326.15'

N 85°56'27" E 263.94'

S 62°02'03" E 893.21'

212
JOSEPH FRANKLIN LYLES, JR.
AND WIFE
JENNIFER LEWIS LYLES

213
GRACE LOWERSTONE UNITED CHURCH OF CHRIST

213
GRACE LOWERSTONE UNITED CHURCH OF CHRIST

214
DAVID CHARLES BARTLETT
AND WIFE
BEVERLEY ANNE BARTLETT

PAVEMENT TO BE OBLITERATED

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ecoon (1) [ROWLAND]

PROJECT REFERENCE NO.	SHEET NO.
W-5313	EC-65/CONST.34
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

-L- POT Sta. 420+19.59

420

(NO CLAIM)

219

CHARLES RAY MILLER
AND WIFE
BETTY MILLER

216

ROCKWELL RURAL FIRE DEPARTMENT, INC.

N 86°27'08" E
256.08'

EIP

N 03°25'44" W
317.36'

415

213

GRACE LOWERSTONE UNITED CHURCH OF CHRIST

10

-Y8- POT Sta. 10+00.00

-Y8- PC Sta. 10+20.56

SBKD

S

GRACE LOWER STONE CHURCH

HPB

BEGN CONSTRUCTION
-Y8- Sta. 11+25.00

-Y8- PT Sta. 11+57.24

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
-L- STA 415+50 – 420+00 LT

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY.'S

15 BK
FIRE STATION

SPECIAL SHOULDER GRADING
SEE CROSS SECTIONS
-Y8- STA 11+25 – 12+25 LT

RETAIN DI
& RIP RAP

RETAIN

RETAIN DI

SIMON TEODOROVICI & WIFE,
KAREN S. TEODOROVICI

50' TAPER
TYP.

N 03°25'44" W
3.87'
R/W TO POINT

FDPS

+2200

24" INC.

S 12°58'19" W
1.02'

EIP

N 86°17'49" E
103.56'

OLD BEATTY FORD RD. SR 1221 22' BST
TO US 52

NO 307

EIP 2.97'

N 03°08'59" E
5.94'

EIP

INV=749.26

RETAIN

B

-ELAB-

PK NAIL

N 89°26'15" E
127.36'

N 89°15'41" E
195.21'

AUE

EXISTING R/W

CFW

N 85°24'10.0" E

INV=749.49

REMOVE

(340)

2GI (D)

305

S 03°27'20" E
225.4'

3" CONC

I S F D

WOOD

REMOVE 8' OF
15" RCP
COLLAR & EXTEND
w/15" RCP-IV

FILL & GRADE TO DRAIN
AT 2GI

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL K

SPECIAL CUT DITCH
SEE DETAIL U

S 12°58'19" W
336.38'

S 16°38'16" E
107.78'

218

SIMON TEODOROVICI & WIFE,
KAREN S. TEODOROVICI

S 03°17'06" W
506.33'

S 88°29'48" E
116.26'

HTR

217

SIMON TEODOROVICI & WIFE,
KAREN S. TEODOROVICI

END TIP PROJECT W-5313
-L- POT Sta. 420+00.00

SPECIAL CUT DITCH
SEE DETAIL K

303

+4220

N 10°43'22" E
34.75'

477.67'
40 M

N 85°33'14" E
62.88'

END 2' FDPS

-L- STA 410+75.00

MATCH LINE SHEET 33

HPB

N 60°19'44" E

-L- PC Sta. 411+97.88

-L- Sta. 412+52.00 =
-Y8- POT Sta. 12+84.99

-L- PT Sta. 415+07.82

214

DAVID CHARLES BARTLETT
AND WIFE
BEVERLEY ANNE BARTLETT

N 85°56'27" E
317.82'

S 01°55'37" W
505.40'

S 86°46'20" E
103.12'

S 87°08'26" E
199.39'

EIP

215

WALTER L . LINK

S 02°34'26" W
566.08'

WELL

WOOD

HTR

G

PAVEMENT TO BE OBLITERATED

PAVEMENT TO BE OBLITERATED

13-MAY-2016 10:19
N:\Environmental\Design\W-5313_EC_psh_sht34.dgn
mcoop
$$EDIT$$