TIP PROJECT: U-4714AC



VICINITY MAP

NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

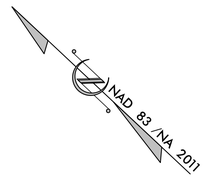
MECKLENBURG & UNION COUNTY

LOCATION: SR 1009 (JOHN STREET\OLD MONROE ROAD)
FROM EAST OF I–485 INTERCHANGE TO
WEST OF MORNINGSIDE MEADOW LANE

TYPE OF WORK: GRADING, PAVING, DRAINAGE AND SIGNALS

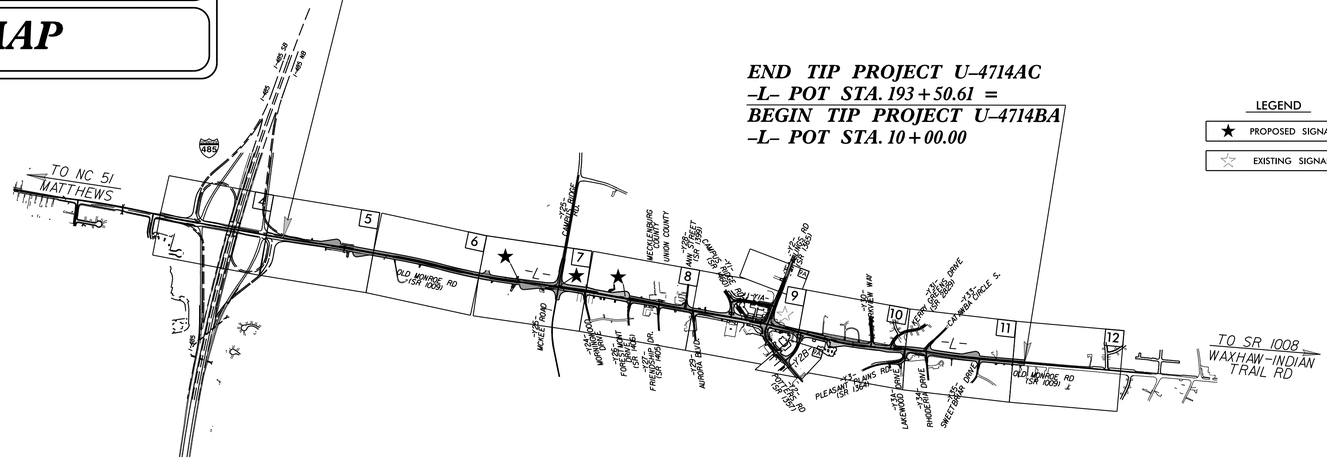
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4714AC	EC-1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
39078.1.8		P.E.
39078.2.10		R /W & UTIL.
39078.3.9		CON



BEGIN TIP PROJECT U–4714AC
–L– POT STA. 96 + 20.00

END TIP PROJECT U–4714AC
–L– POT STA. 193 + 50.61 =
BEGIN TIP PROJECT U–4714BA
–L– POT STA. 10 + 00.00



LEGEND

★ PROPOSED SIGNAL

☆ EXISTING SIGNAL

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

GRAPHIC SCALE

50 25 0 50 100

PLANS

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG 010000 GENERAL STORMWATER CONSTRUCTION PERMIT ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES.

Prepared in the Office of:

SUNGATE DESIGN GROUP
5400 Etta Burke Ct., STE. 100 • Raleigh, North Carolina 27606
Phone: (919) 859-2243 • Eng Firm License No. C-890

2024 STANDARD SPECIFICATIONS

Designed by:

NAME	LEVEL III CERTIFICATION NO.
BRIAN N. ELAM, PE	*3195*
MATTHEW C. EDWARDS, PE	*3992*

Roadway Standard Drawings

The "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

6/26/2026
U4714AC_EC_dsn_psh_01.dgn
achurch

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-02

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

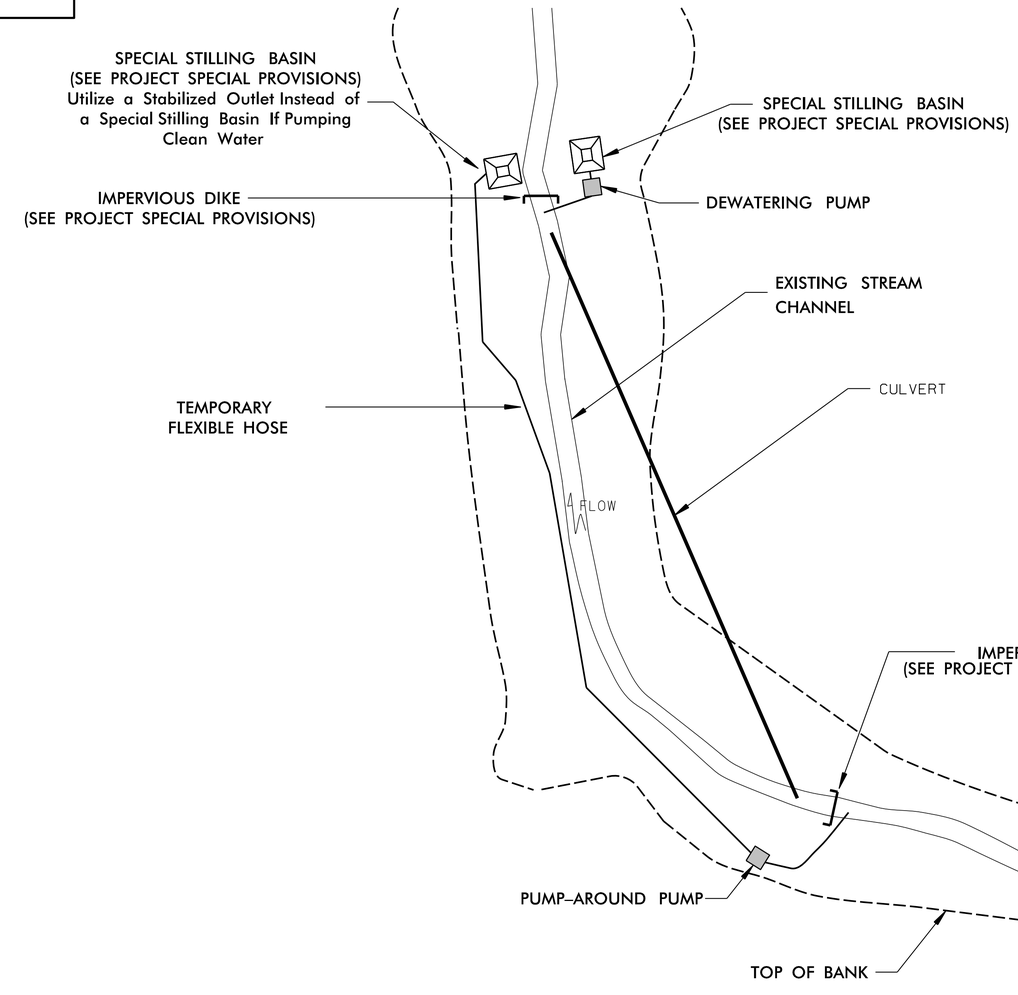
Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1630.03	Temporary Silt Ditch	TSD
1630.04	Stilling Basin	
1630.05	Temporary Diversion	TD
1630.06	Special Stilling Basin	
1630.07	Skimmer Basin	
1630.08	Tiered Skimmer Basin	
1630.09	Earthen Dam with Skimmer	
	Infiltration Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C

Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
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	A
1635.02	Rock Pipe Inlet Sediment Trap Type B	B
1636.01	Excelsior Wattle Check	
1636.01	Excelsior Wattle Check with Flocculant	
1636.01	Coir Fiber Wattle Check	
1636.01	Coir Fiber Wattle Check with Flocculant	
1636.02	Silt Fence Excelsior Wattle Break	EW
	Silt Fence Coir Fiber Wattle Break	CFW
1636.03	Excelsior Wattle Barrier	—EW—EW—EW—
1636.03	Coir Fiber Wattle Barrier	—CFW—CFW—CFW—

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-2A
R/W SHEET NO.	

EXAMPLE OF PUMP–AROUND OPERATION

NOTES:
1) All excavation shall be performed in only dry or isolated areas of the work zone.
2) Impervious dikes are to be used to isolate work from stream flow when necessary.
3) Maintenance of stream flow operations shall be incidental to the work. This includes polyethylene sheeting, diversion pipes, pumps and hoses.
4) Pumps and hoses shall be of sufficient size to dewater the work area.

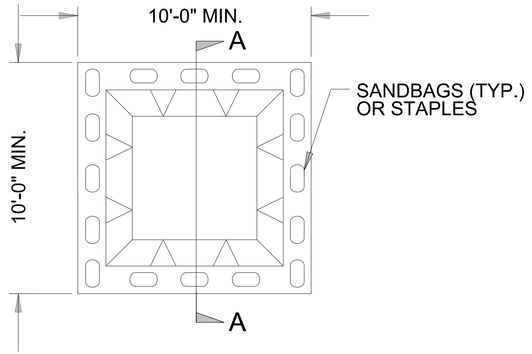


SEQUENCE OF CONSTRUCTION FOR TYPICAL WORK AREA

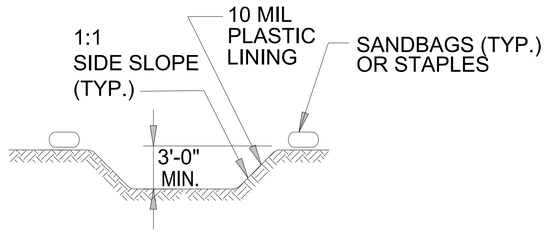
1. INSTALL SPECIAL STILLING BASIN(S).
2. INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
3. PLACE UPSTREAM IMPERVIOUS DIKE AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.
4. PLACE DOWNSTREAM IMPERVIOUS DIKE AND PUMPING APPARATUS. DEWATER ENTRAPPED AREA. AREA TO BE DEWATERED SHALL BE EQUAL TO ONE DAY'S WORK.
5. INSTALL CULVERT(S) IN ACCORDANCE WITH THE PLANS.
6. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES. REMOVE IMPERVIOUS DIKES, PUMPS, AND TEMPORARY FLEXIBLE HOSE. (DOWNSTREAM IMPERVIOUS DIKES FIRST).
7. REMOVE SPECIAL STILLING BASIN(S) AND BACKFILL. STABILIZE DISTURBED AREA WITH SEED AND MULCH.

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-2B
R/W SHEET NO.	

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



PLAN



SECTION A-A



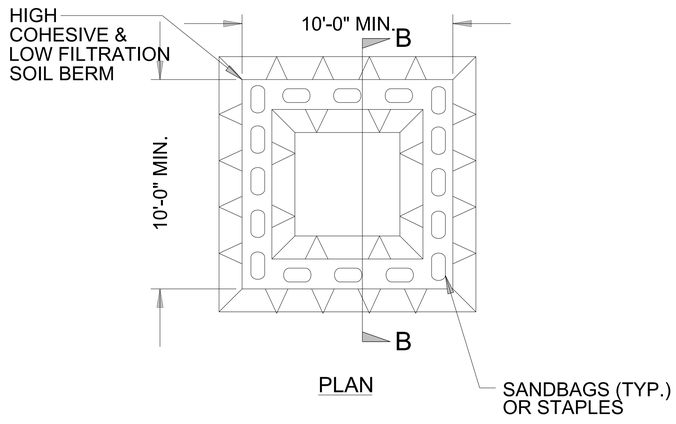
NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

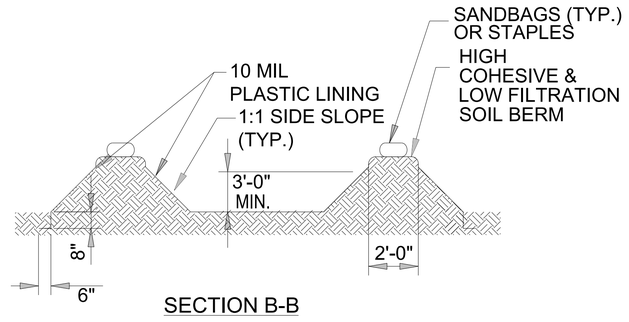
3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

BELOW GRADE WASHOUT STRUCTURE

NOT TO SCALE



PLAN



SECTION B-B



NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

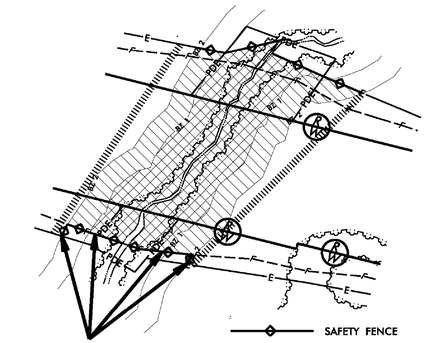
ABOVE GRADE WASHOUT STRUCTURE

NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-2C
R/W SHEET NO.	

SAFETY FENCE DETAILS

JURISDICTIONAL STREAM – RIPARIAN BUFFER ZONE*


PDE
PDE
PDE

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-3

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

DITCH MATTING FOR EROSION CONTROL (STRAW)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
5	-L-	96+00	98+00	RT	235
5	-L-	98+00	99+50	RT	175
6	-L-	119+50	122+00	RT	290
9	-Y2-	13+50	14+50	LT	135
9	-Y20-	13+00	13+50	LT	70
9A	-Y2-	14+50	15+00	LT	70
9A	-Y2-	15+00	15+66	LT	90
9A	-Y2-	15+89	15+89	RT	40
9A	-Y20-	11+00	13+00	LT	245
10	-L-	164+07	164+50	LT	65
10	-L-	173+50	175+50	RT	270
10	-L-	177+00	177+34	RT	60
10	-Y3-	11+30	13+50	RT	245
10	-Y3-	12+05	13+50	LT	210
11	-Y33-	13+00	13+00	RT	30
11	-Y35-	10+63	10+76	LT	35
11	-Y35-	10+76	11+00	LT	20
11	-L-	188+02	189+72	RT	220

DITCH MATTING FOR EROSION CONTROL (EXCELSIOR)

7	-L-	122+00	123+00	RT	120
8	-Y24-	10+90	11+11	LT	30
8	-Y24-	11+11	11+45	LT	45
9A	-Y20-	10+50	13+00	RT	365
10	-Y20-	11+00	13+00	RT	60

STRAW MATTING FOR EROSION CONTROL (SLOPES)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
5	-L-	102+50	104+40	LT	610
5	-L-	103+00	104+50	RT	355
6	-L-	108+30	110+00	RT	505
6	-L-	109+50	111+50	LT	795
6	-L-	113+00	114+40	LT	360
6	-L-	115+30	116+50	LT	350
7	-L-	124+30	126+00	RT	510
7	-L-	125+00	125+80	LT	190
7	-L-	126+80	129+50	RT	1,020
7	-L-	133+00	134+32	RT	350

STRAW MATTING FOR EROSION CONTROL (SLOPES ABOVE RIP RAP)

7	-L-	134+50	136+00	LT	335
7	-L-	134+32	135+43	RT	350
8	-L-	136+00	137+50	RT	305
8	-L-	140+00	141+50	RT	575

SUBTOTAL FOR STRAW MATTING IN DITCHES		2,505
SUBTOTAL FOR EXCELSIOR MATTING IN DITCHES		620
SUBTOTAL FOR STRAW MATTING ON SLOPES		5,045
SUBTOTAL FOR STRAW MATTING-SLOPES ABOVE RIP RAP		1,565
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER		30,150
	TOTAL	39,885
	SAY	40,000

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-3A

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 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

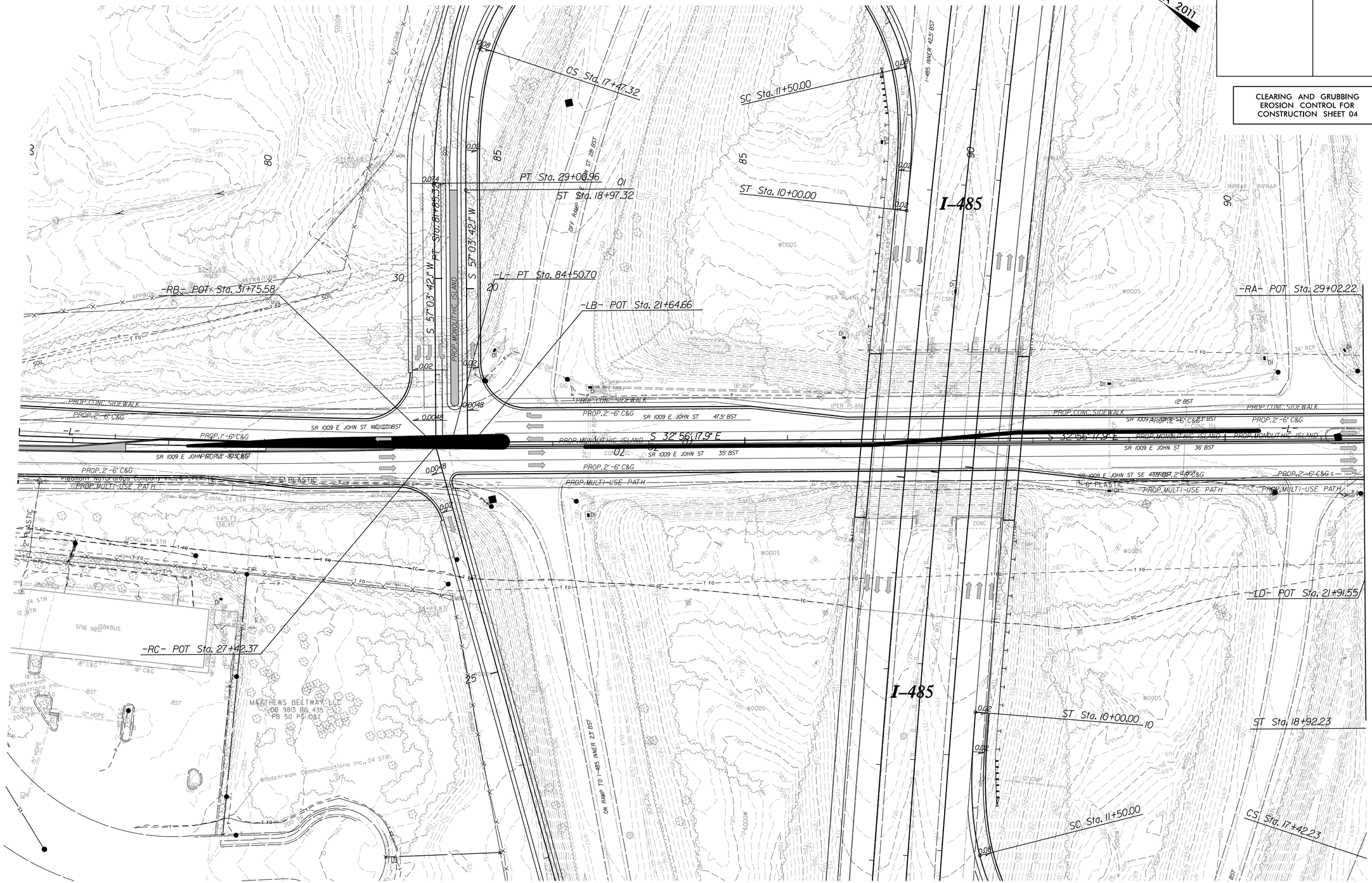
PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-04/CONST.04
R/W SHEET NO.	

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

NAD 83/NA 2011

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 04

MATCHLINE –L– 94+00.00
SEE SHEET 5



PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-05/CONST.05
R/W SHEET NO.	

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

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 05

NAD 83/NA 2011

MATCHLINE –L– 94+00.00
SEE SHEET 4

MATCHLINE –L– 108+00.00
SEE SHEET 6

LESTER AND MARY YANDLE, LLC
DB 14396 PG 692

89
ASPEN ASSETT GROUP LLC
DB 8909 PG 829

88
ASPEN ASSET GROUP LLC
DB 8786 PG 789

40 x 68 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
11 ft. weir
ID 5.1

SITE 1

48 LF OF INLET
CHANNEL IMPROVEMENT
EST. 125 TONS CL II RIP RAP
EST. 130 SY GEOTEXTILE
EST. 50 CY DDE
SEE DETAIL 5

–L– PRC Sta. 100+20.16

EXISTING EASEMENT

SPEC. BACK OF CURB V-DITCH
SEE DETAIL 1

–L– Sta. 95+50.00

END CONST.
MATCH I-5507

5' CONC. SIDEWALK

RETAIN AND EXTEND
2 @ 5'x6' RCBC

GREU TL-3

SR 1009 E JOHN ST 30.5' BST

S 32° 56' 17" E

SR 1009 E JOHN ST 30' BST

MONO ISLAND

FLOWABLE FILL

430' LANE AND MEDIAN TAPER

100' TAPER

CL 'B' RIPRAP
EST. 2 TONS
EST. 5 SY GF

SPEC. LAT. V-DITCH
SEE DETAIL 2

SPEC LAT V-DITCH w/CL B RIPRAP
EST. 105 TONS CL B RIPRAP
EST 235 SY GEOTEXTILE
SEE DETAIL 3

EXISTING EASEMENT

74 x 24 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
7 ft. weir
ID 5.2

38 LF OF INLET
CHANNEL IMPROVEMENT
EST. 80 TONS CL II RIP RAP
EST. 80 SY GEOTEXTILE
EST. 20 CY DDE
SEE DETAIL 5

LAT 2' BASE DITCH w/CL B RIPRAP
EST. 75 TONS CL B RIPRAP
EST. 327 SY GEOTEXTILE
EST. 181 CY DDE
SEE DETAIL 4

RETAIN AND EXTEND
2 @ 5'x6' RCBC

CL 'B' RIPRAP
EST. 2 TONS
EST. 7 SY GF

SITE 2

BEARING AH = S 32° 52' 08.0" E

–L– PT Sta. 105+11.09

84
PAUL H TROTTER
6058 - 295

BEARING AH = S 34° 33' 01.9" W

BEARING BK = S 56° 17' 38.1" W

LESTER AND MARY YANDLE, LLC

END PROJECT I-5507
BEGIN PROJECT U-4714AC
–L– STA. 96+20.00 =
–Y6– STA. 108+79.49, OS = 5.27' RT

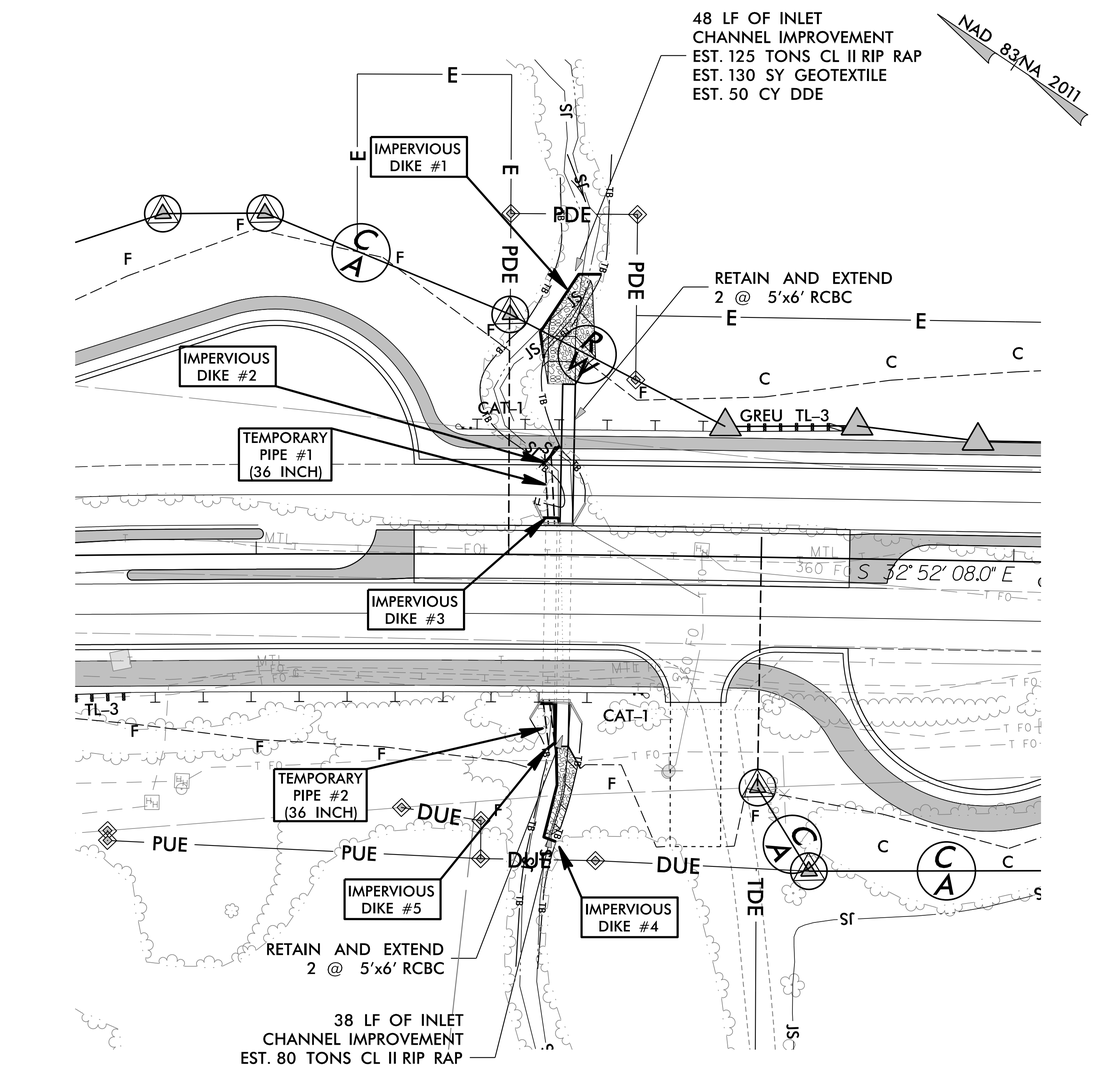
170
EDWIN LAWRENCE TENHENGEL
DB 1918 PG 155

2@5'X6' RCBC CONSTRUCTION SEQUENCE STA. 104+19 –L– UT TO FOURMILE CREEK

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-05A/CONST.05
R/W SHEET NO.	

PHASE I

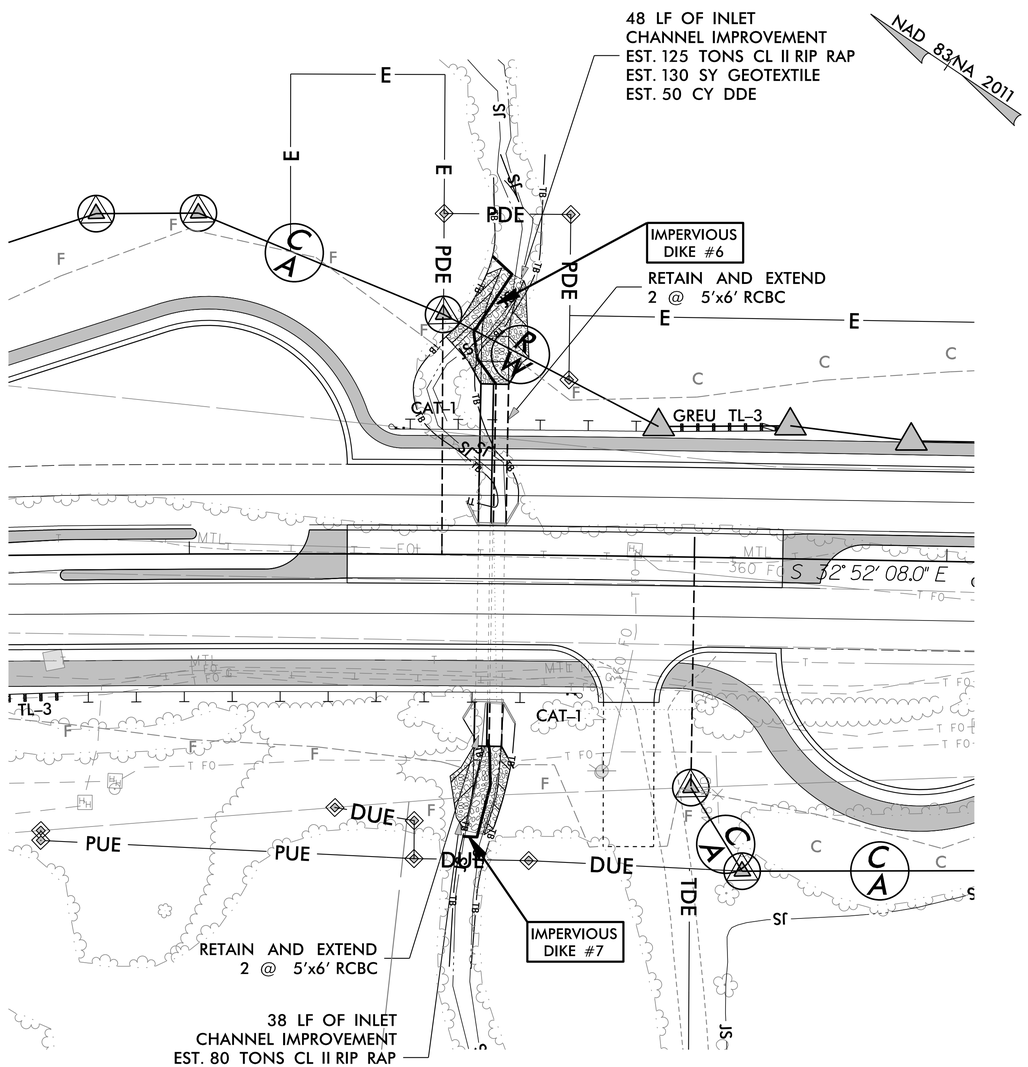
1.) UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED THROUGHOUT 2@5'X6' RCBC EXTENSION CONSTRUCTION.
2.) INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
3.) INSTALL IMPERVIOUS DIKE #1 (47 LF), IMPERVIOUS DIKE #2 (11 LF), IMPERVIOUS DIKE #3 (8 LF), IMPERVIOUS DIKE #4 (65 LF), AND IMPERVIOUS DIKE #5 (5 LF). INSTALL TEMP. 36" PIPE #1 AND #2 AND DEWATER CONSTRUCTION AREA BY UTILIZING THE SPECIAL STILLING BASIN(S) FOR PUMPED EFFLUENT.
4.) DIVERT WATER THROUGH TEMPORARY 36" PIPE.
5.) CONSTRUCT CULVERT EXTENSIONS FOR BARREL 1 (EASTERN MOST BARREL), ALONG WITH UPSTREAM AND DOWNSTREAM CHANNEL IMPROVEMENTS.
6.) EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
7.) REMOVE IMPERVIOUS DIKE #1, IMPERVIOUS DIKE #2, IMPERVIOUS DIKE #3, IMPERVIOUS DIKE #4, AND IMPERVIOUS DIKE #5. REMOVE TEMP. 36" PIPE #1 AND #2 AND DIRECT WATER THROUGH THE PROPOSED CULVERT EXTENSION.



30' 15' 0 30' 60'
SCALE: 1"=30'

PHASE II

1.) INSTALL IMPERVIOUS DIKE #6 (61 LF) AND IMPERVIOUS DIKE #7 (45 LF) AND DEWATER CONSTRUCTION AREA BY UTILIZING THE SPECIAL STILLING BASIN FOR PUMPED EFFLUENT. DIVERT WATER THROUGH BARREL 1.
2.) CONSTRUCT CULVERT EXTENSION FOR BARREL 2 (WESTERN MOST BARREL), ALONG WITH UPSTREAM AND DOWNSTREAM CHANNEL IMPROVEMENTS.
3.) EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
4.) REMOVE IMPREVIOUS DIKE #6 AND IMPERVIOUS DIKE #7 AND DIRECT WATER THROUGH BOTH BARRELS.
5.) REMOVE SPECIAL STILLING BASIN(S).
6.) COMPLETE ROADWAY IMPROVEMENTS.



30' 15' 0 30' 60'
SCALE: 1"=30'

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-06/CONST.06
R/W SHEET NO.	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 06

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

NAD 83/NA 2011

MATCHLINE –L– 108+00.00
SEE SHEET 5

MATCHLINE –L– 122+00.00
SEE SHEET 7

50 x 25 x 3
4 ft. weir
ID 6.3

58 x 29 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
6 ft. weir
ID 6.2

81 x 37 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
23 ft. weir
ID 6.1

SITE 2

–L– PRC Sta. 117+10.14

–L– PT Sta. 111+34.50

89 ASPEN ASSETT GROUP LLC
DB 8909 PG 829

87 DUKE POWER CO
4147 – 921

86 CHARLESTON VENTURE LLC
DB 10765 PG 668

85 FOUR MORE INVESTMENTS LLC
DB 19420 PG 508
TRACT A

FOUR MORE INVESTMENTS LLC
DB 19420 PG 508

JEFFREY WAYNE SPARI
AND RICHARD ALAN SPA
DB 33348 PG 935

SR 1009 E JOHN ST 25' BST

MONO ISLAND

SPEC LAT 5' BASE DITCH
EST. 135 TONS CL I RIPRAP
EST. 200 SY GEOTEXTILE
SEE DETAIL 7

LAT 5' BASE DITCH
w/CL I RIPRAP
EST. 115 TONS CL I RIPRAP
EST. 150 SY GEOTEXTILE
EST. 197 CY DDE
SEE DETAIL 8

SPEC BACK OF CURB V-DITCH
w/CL B RIPRAP
EST. 59 TONS CL B RIPRAP
EST. 271 SY GEOTEXTILE
SEE DETAIL 6

SPEC BACK OF CURB V-DITCH
SEE DETAIL 1

TRENCHED INSTALLATION
60" WELDED STEEL
(61 LF)

TRENCHLESS INSTALLATION
60" WELDED STEEL
(110 LF)

15" RCP-IV

30" W/
2 ELBOWS

15" W/
2 ELBOWS

5' CONC. SIDEWALK

TB 2GI

REMOVE

FLOATING
TURBIDITY
CURTAIN

BURY INVERT 1.0'

LAT 6' BASE DITCH w/CL I RIPRAP
EST. 214 TONS CL I RIPRAP
EST. 260 SY GEOTEXTILE
SEE DETAIL 9

SPEC BACK OF CURB 2' BASE DITCH w/CL I
RIPRAP
EST. 471 TONS CL I RIPRAP
EST. 855 SY GEOTEXTILE
SEE DETAIL 10

SPEC BACK OF CURB 2' BASE DITCH w/CL B
RIPRAP
EST. 230 TONS OF CL B RIPRAP
EST. 1015 SY OF GEOTEXTILE
SEE DETAIL 11

CL 'B' RIPRAP
EST. 2 TONS
EST. 7 SY GF

DUKE ENERGY EMPTY CONDUIT

BEGIN SIDEWALK TRANS
STA. 115+50.00 (42.00' LT)

END SIDEWALK TRANS
STA. 116+50.00 (38.00' LT)

BEGIN SIDEWALK TRANS
STA. 117+50.00 (38.00' LT)

END SIDEWALK TRANS
STA. 118+50.00 (42.00' LT)

Q10=15.8 CFS
S=4.0%
HWD=1.09

Q10=12.8 CFS
S=1.85%
HWD=0.95

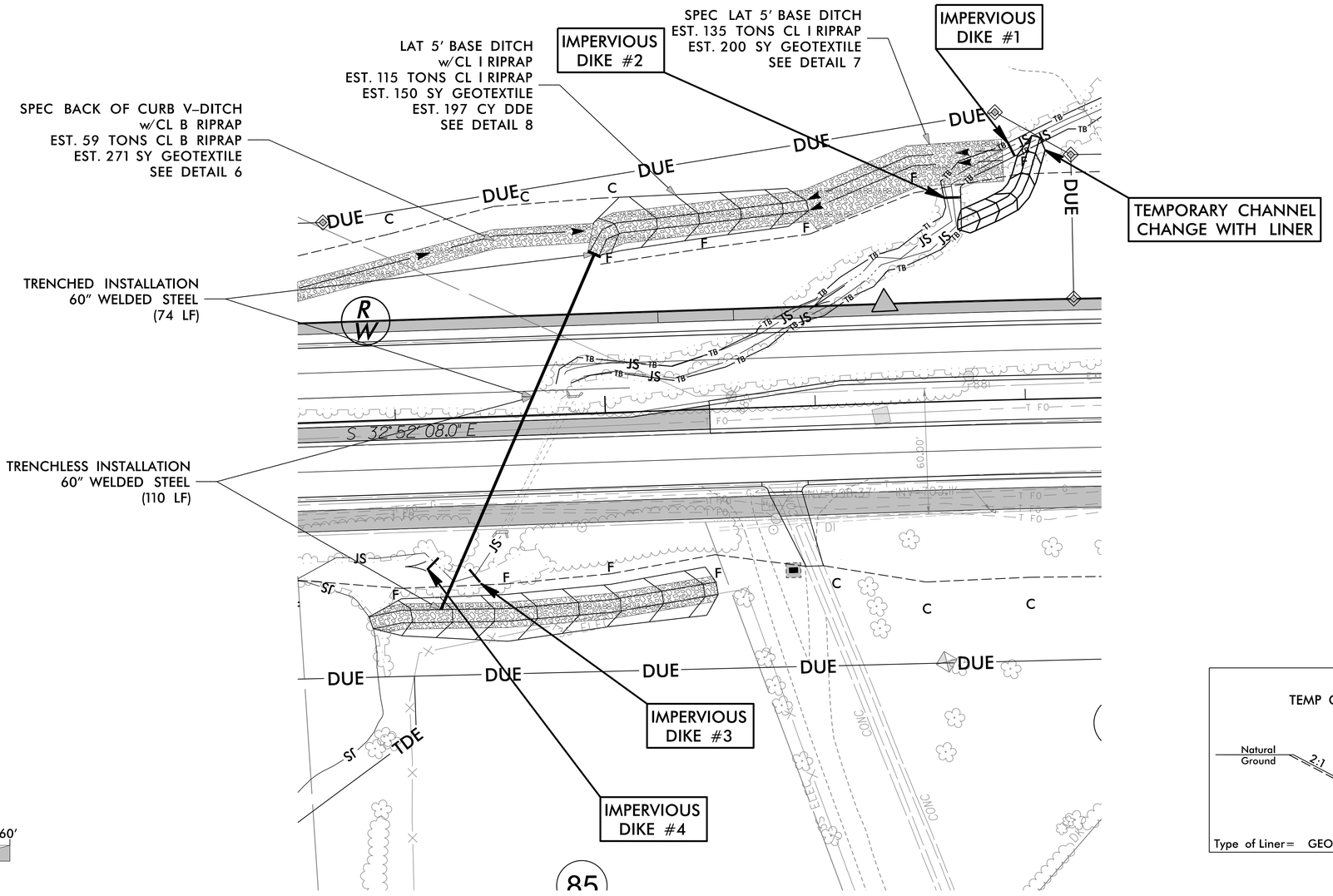
NOTE:
ADDITIONAL EASEMENT NEEDS FOR DUKE DISTRIBUTION FACILITIES TO BE INDEPENDENTLY COORDINATED WITH DUKE TRANSMISSION ON DUKE POWER COMPANY PARCELS.

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-06A/CONST.06
R/W SHEET NO.	

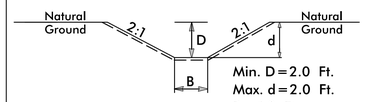
60" WSP CONSTRUCTION SEQUENCE STA. 109+87 –L– UT TO FOURMILE CREEK

PHASE I

1.) UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED THROUGHOUT 60" WELDED STEEL CONSTRUCTION.
2.) CONSTRUCT UPSTREAM TEMPORARY CHANNEL CHANGE WITH LINER (SEE DETAIL).
3.) INSTALL IMPERVIOUS DIKE #1 (7 LF), IMPERVIOUS DIKE #2 (8 LF) AND DIVERT FLOW INTO TEMPORARY CHANNEL.
4.) INSTALL PUMP AND TEMPORARY FLEXIBLE HOSE UPSTREAM OF IMPERVIOUS DIKE #3.
5.) INSTALL IMPERVIOUS DIKE #3 (8 LF) AND IMPERVIOUS DIKE #4 (7 LF). USE PUMP AROUND OPERATION TO DIVERT FLOW DOWNSTREAM OF IMPERVIOUS DIKE #4.
6.) INSTALL ±110 LF OF TRENCHLESS 60" WELDED STEEL ALONG THE EASTBOUND TRAFFIC LANES.
7.) INSTALL ±74 LF OF TRENCH INSTALLATION 60" WELDED STEEL ALONG THE PROPOSED WESTBOUND TRAFFIC LANES. CONSTRUCT THE UPSTREAM CHANNEL CHANGE.
8.) CONSTRUCT DOWNSTREAM CHANNEL IMPROVEMENTS.
9.) EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES. REMOVE IMPERVIOUS DIKE #1 AND IMPERVIOUS DIKE #2. DIRECT WATER INTO THE UPSTREAM CHANNEL CHANGE. REMOVE IMPERVIOUS DIKE #3 AND IMPERVIOUS DIKE #4.
10.) COMPLETE CONSTRUCTION OF WESTBOUND TRAFFIC LANES.
11.) SHIFT TRAFFIC TO WESTBOUND LANES.
12.) REMOVE OR FLOW FILL EXISTING 3'x3' BOX CULVERT.
13.) REMOVE SPECIAL STILLING BASIN(S).
14.) COMPLETE ROADWAY IMPROVEMENTS.



DETAIL
TEMP CHANNEL CHANGE
W/LINER
(Not to Scale)



Min. D = 2.0 Ft.
Max. d = 2.0 Ft.
B = 4.0 Ft.
Type of Liner = GEOTEXTILE (NCDOT Type 4)

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-07/CONST.07
R/W SHEET NO.	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 07

REVISIONS

MATCHLINE –L– 122+00.00
SEE SHEET 6

MATCHLINE –L– 136+00.00
SEE SHEET 8

NAD 83/NA 2011

SITE 3

SITE 4

-L- PT Sta. 126+53.86
BEARING AH = S 35° 52' 54.0" E

BEARING AH = S 74° 07' 50.4" W

BEARING AH = S 84° 20' 52.2" W

BEARING AH = S 55° 21' 40.9" W

BEARING AH = S 72° 40' 52.1" W

BEARING AH = S 66° 26' 19.3" W

BEARING BK = S 57° 06' 27.0" W

-Y25- PC Sta. 28+42.27

-Y25- PI Sta. 24+75.58

-Y25- PT Sta. 25+39.54

-Y24- PC Sta. 10+95.01

-Y24- PT Sta. 11+75.58

-Y25- STA. 24+75.58
-L- STA. 132+34.80

-Y24- STA. 10+00.00 =
-L- STA. 135+74.53

PIPE INLET CHANNEL BANK STABILIZATION
EST. 35 TONS CL 'I' RIPRAP
EST. 55 SY GEOTEXTILE
EST. DDE=39 CY
SEE DETAIL 13

TOE PROTECTION
STA. 124+50 TO 126+00 -L- LT
EST. 50 TON CL B RIPRAP
EST. 216 SY GEOTEXTILE
SEE DETAIL 12

BURY INVERT 1.0'

REMOVE 3'x3' RCBC

60" WELDED STEEL 66" WELDED STEEL 24' RST
(TRENCHLESS INSTALLATION)

66" RCP-III

BURY INVERT 1.0'

TOE PROTECTION
STA. 124+00 TO 125+50 -L- RT
EST. 50 TON CL B RIPRAP
EST. 216 SY GEOTEXTILE
SEE DETAIL 12

PIPE OUTLET CHANNEL BANK STABILIZATION
EST. 50 TONS CL 'I' RIPRAP
EST. 80 SY GEOTEXTILE
EST. 25 CY IDDE
SEE DETAIL 16

SPEC BACK OF CURB V-DITCH
SEE DETAIL 1

SPEC BACK OF CURB V-DITCH
SEE DETAIL 14

TIE TO EXISTING DITCH

SPEC LAT V-DITCH
SEE DETAIL 15

CL 'B' RIPRAP
EST. 2 TONS
EST. 7 SY GF

BEGIN Y25 CONST.
MATCH EXIST.
Y25- 21+00.00

SPEC CUT 2' BASE DITCH w/CL B RIPRAP
EST. 230 TONS CL B RIPRAP
EST. 510 SY GEOTEXTILE
SEE DETAIL 18
Q10=41.4 CFS
HWD=1.06

TIE TO EXISTING CHANNEL

SPEC LAT 2' BASE DITCH w/CL B RIPRAP
EST. 71 TONS CL B RIPRAP
EST. 298 SY GEOTEXTILE
SEE DETAIL 17

SPEC LAT V-DITCH w/CL B RIPRAP
EST. 36 TONS CL B RIPRAP
EST. 163 SY GEOTEXTILE
SEE DETAIL 20

30" RCP TO BE REPLACED WITH 60" RCP AS PART OF U-4713A

PIPE OUTLET CHANNEL STABILIZATION w/CL 'I' RIPRAP
EST. 42 TONS CL I RIPRAP
EST. 29 SY GEOTEXTILE
SEE DETAIL 21

30 x 90 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
10 ft. weir
ID 7.1

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

NOTE:
ADDITIONAL EASEMENT NEEDS FOR DUKE DISTRIBUTION FACILITIES TO BE INDEPENDENTLY COORDINATED WITH DUKE TRANSMISSION ON DUKE POWER COMPANY PARCELS.

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.

★ PROPOSED SIGNAL

87 DUKE POWER CO 4147 - 921

97 CYNTHIA SEWELL GARDNER DB 2165 PG 334

98 2217 EAST JOHN ST LLC DB 19636 PG 619

99 2217 EAST JOHN ST LLC DB 19636 PG 619

91 HAWTHORNE'S HOLDING GROUP LLC

92 TROTTER PROPERTIES LLC DB 19840 PG 566

93 INDIAN TRAIL PLAZA DB 26759 PG 894

95 MARCELLA MCINTYRE WITHROW DB 36014 PG 297

96 MARCELLA MCINTYRE WITHROW DB 36014 PG 294

97A MARCELLA MCINTYRE WITHROW DB 36014 PG 303

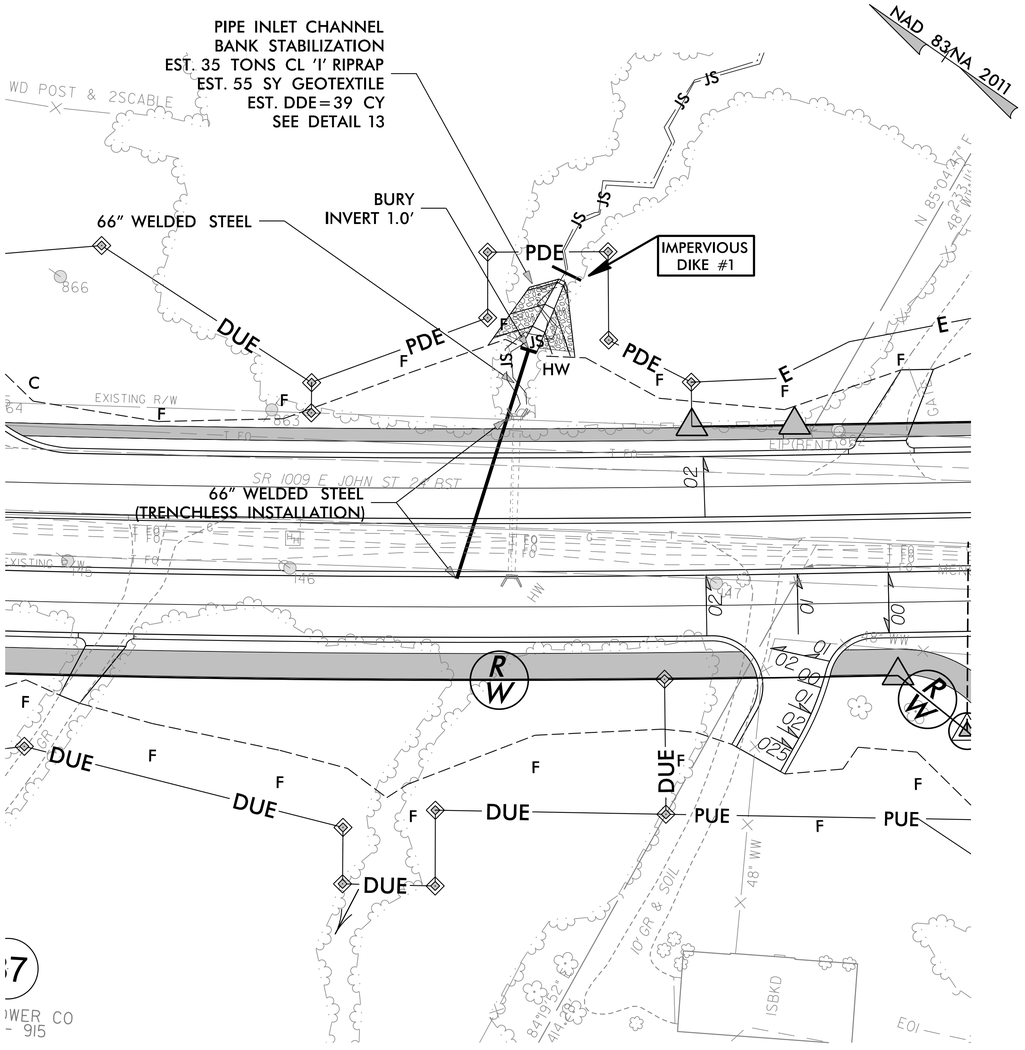
171 MARCELLA MCINTYRE WITHROW DB 36014 PG 422

66" WSP CONSTRUCTION SEQUENCE STA. 125+23 –L–
UT TO FOURMILE CREEK

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-07A/CONST.07
R/W SHEET NO.	

PHASE I

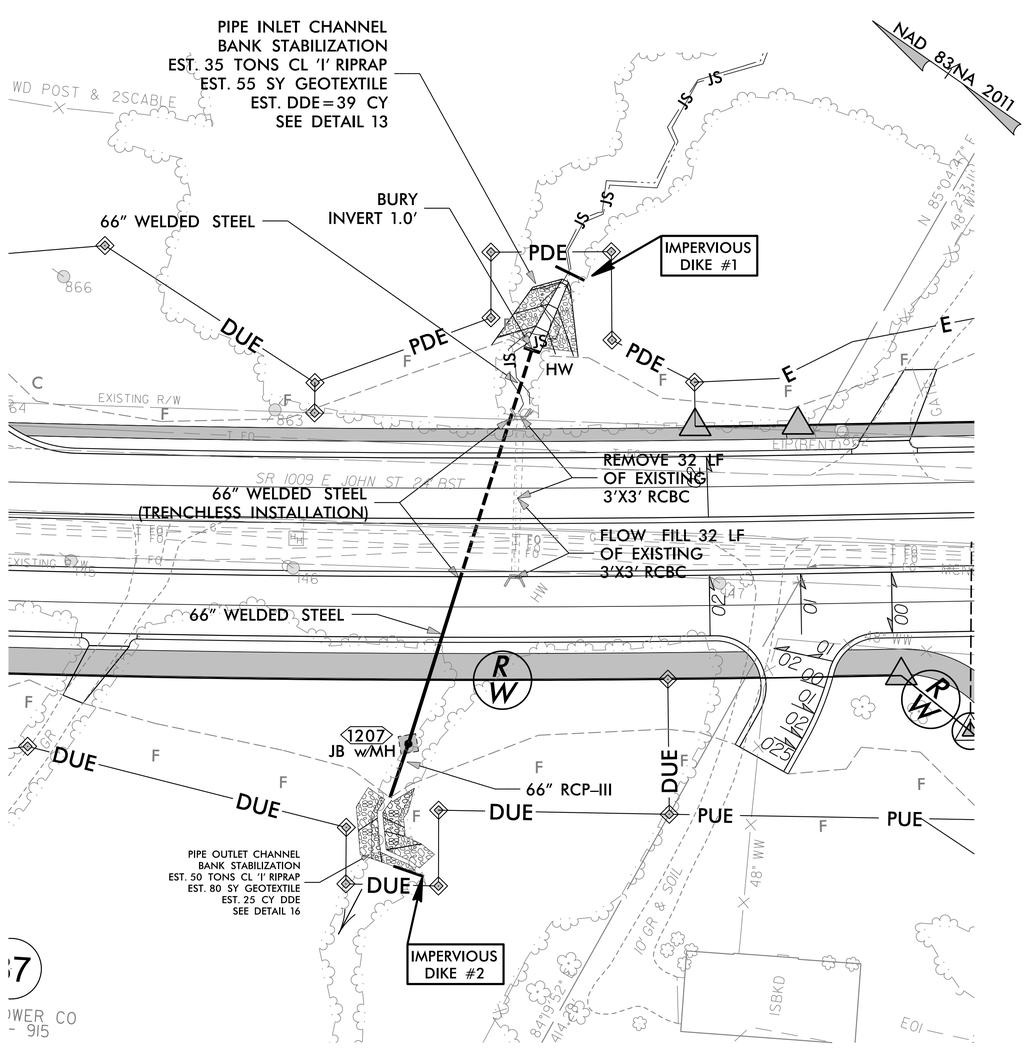
1.) UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED THROUGHOUT 66" RCP CONSTRUCTION.
2.) INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
3.) INSTALL IMPERVIOUS DIKE #1 (13 LF) AND BEGIN PUMP AROUND OPERATION INTO EXISTING 3'X3' CULVERT INLET.
4.) DEWATER CONSTRUCTION AREA BY UTILIZING THE SPECIAL STILLING BASIN(S) FOR PUMPED EFFLUENT.
5.) CONSTRUCT ±66 LF OF 66" TRENCHLESS INSTALLATION WELDED STEEL PIPE.
6.) CONSTRUCT ±29 LF OF 66" TRENCHED INSTALLATION WELDED STEEL PIPE AND HEADWALL ALONG WITH UPSTREAM CHANNEL IMPROVEMENTS.



30' 15' 0 30' 60'
SCALE: 1"=30'

PHASE II

1.) INSTALL DOWNSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
2.) INSTALL IMPERVIOUS DIKE #2 (13 LF) AND BEGIN PUMP AROUND OPERATION FROM EXISTING 3'X3' CULVERT OUTLET TO DOWNSTREAM OF IMPERVIOUS DIKE #2.
3.) DEWATER CONSTRUCTION AREA BY UTILIZING THE SPECIAL STILLING BASIN(S) FOR PUMPED EFFLUENT.
4.) CONSTRUCT ±69 LF OF 66" TRENCHED INSTALLATION WELDED STEEL PIPE ALONG WITH JB–1207, 66" RCP–III OUTLET PIPE LEAVING JB–1207, AND DOWNSTREAM CHANNEL IMPROVEMENTS.
5.) EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
6.) REMOVE IMPERVIOUS DIKE #2.
7.) REMOVE IMPERVIOUS DIKE #1 AND DIRECT FLOW THROUGH THE PROPOSED UPSTREAM CHANNEL IMPROVEMENTS.
8.) REMOVE SPECIAL STILLING BASIN(S).
9.) COMPLETE CONSTRUCTION OF EASTBOUND TRAFFIC LANE.
10.) SHIFT TRAFFIC TO EASTBOUND TRAFFIC LANES.
11.) REMOVE ±32 LF OF THE EXISTING 3'X3' RCBC.
12.) FLOW FILL ±32 LF OF THE EXISTING 3'X3' RCBC.
13.) COMPLETE ROADWAY IMPROVEMENTS.



PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-08/CONST.08
R/W SHEET NO.	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 08

NAD 83/NA 2011

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

MATCHLINE –L– 136+00.00
SEE SHEET 7

MATCHLINE –L– 150+00.00
SEE SHEET 9

84 x 42 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
13 ft. weir
ID 8.1

Q10 = 41.4 CFS
HW/D = 1.06

-DRI- POT Sta. 10+00.00
BA = S 43° 00' 35.0" W

-DRI- PC Sta. 10+50.06

-DRI- PT Sta. 10+78.56
BA = N 55° 21' 57.2" W

-DRI- PC Sta. 11+12.25
BA = S 67° 56' 08.3" W

SPEC CUT 2' BASE DITCH w/CL B RIPRAP
EST. 230 TONS CL B RIPRAP
EST. 510 SY GEOTEXTILE
SEE DETAIL 18

SPEC LAT 2' BASE DITCH w/CL B RIPRAP
EST. 140 TONS CL B RIPRAP
EST. 310 SY GEOTEXTILE
SEE DETAIL 17

SPEC CUT 2' BASE DITCH w/CL B RIPRAP
EST. 130 TONS CL B RIPRAP
EST. 290 SY GEOTEXTILE
SEE DETAIL 18

SPEC LAT 2' BASE DITCH w/CL B RIPRAP
EST. 90 TONS CL B RIPRAP
EST. 195 SY GEOTEXTILE
SEE DETAIL 17

-Y28- POT Sta. 10+00.00

-Y28- PC Sta. 11+61.82

-Y28- PT Sta. 11+87.34
BEARING AH = S 55° 47' 19.4" W

-Y28- Sta. 12+78.23
S 53° 22' 28" W

BEGIN -Y28- CONST.
END TAPER
MATCH EXIST.
-Y28- STA. 12+04.00

BEGIN TAPER
-Y28- + 40.00

-Y27- STA. 10+00.00 =
-L- STA. 145+54.47

-Y24- PT Sta. 11+16.83

-Y24- PC Sta. 11+26.36

-Y24- PT Sta. 12+21.46

-Y24- POT Sta. 13+80.57

-Y26- PT Sta. 13+40.53

-Y26- PC Sta. 11+11.82

BEARING BK = S 58° 58' 25.4" W

-Y26- PT Sta. 12+33.43

-Y26- PC Sta. 12+41.94

-Y27- POT Sta. 13+42.69

-Y27- PC Sta. 11+11.82

BEARING BK = S 52° 07' 41.5" W

-Y27- PT Sta. 12+29.52

-Y27- PT Sta. 12+32.69

BEARING AH = S 33° 00' 54.1" E

S 43° 40' 39" W 1,395.28'

S 24° 06' 18" W 1,290.57'

S 24° 06' 18" W 1,290.57'

S 53° 22' 28" W 2,140.78'

COUCHELL FAMILY PROPERTIES LLC
DB 16898 PG 439

2309 EAST JOHN ST LLC
DB 19543 PG 628

BERBICE ENTERPRISE LLC
DB 27406 PG 288
TRACT 2

BERBICE ENTERPRISE
DB 27406 PG 288
TRACT 1

2425 EAST JOHN ST LLC
DB 19185 PG 280
PARCEL 1

2425 EAST JOHN ST LLC
DB 19185 PG 280
PARCEL 2

ROKTAL PROPERTY DEVELOPMENT LLC
DB 28706 PG 193

BELTWAY INDUSTRIAL PARK LLC
DB 8402 PG 645

BELTWAY INDUSTRIAL PARK LLC
DB 8402 PG 645

JERRY MAC PRESSLEY
& LYNDA PRESSLEY
DB N/F PG N/F

JEFFREY R. CARROLL
AND WIFE TERESA A. CARROLL
DB 367 PG 326

AJC LLC
DB 5472 PG 276

F & B LLC
DB 5398 PG 467

JOSEPH C MARTIN
DB 17493 PG 938
MB 14 PG 217
LOT 14

SHIRLEY HALING
DB 3444 PG 615
MB 14 PG 217
LOT 75

RM MATTHEWS LLC
DB 20588 PG 809
MB 14 PG 217
LOT 76

HAROLD JOSEPH TENNANT
DB 19822 PG 726
MB 14 PG 217
LOT 73

AMY C MCNABB
DB 26712 PG 890
MB 14 PG 217
LOT 82

RM MATTHEWS LLC
DB 18103 PG 809
MB 14 PG 217
LOT 77

RM MATTHEWS LLC
DB 32300 PG 553
MB 14 PG 217
LOT 81

RM MATTHEWS LLC
DB 18626 PG 264
MB 14 PG 217
LOT 80

JEFFREY C PRESSLEY
EDWARD EARL SCOTT
DB 35962 PG 639
MB 14 PG 217
LOT 79

JEFFREY C PRESSLEY
DB 4750 PG 90
MB 14 PG 217
LOT 153

EAST JOHN SYSTEMS, L.L.C.
DB 29672 PG 501
MB 14 PG 217
LOT 154

EAST JOHN SYSTEMS, L.L.C.
DB 29672 PG 501
MB 14 PG 217
LOT 153

RICKY LEE KLUTZ AND
WIFE RAYMOUTH JEAN KLUTZ
DB 6246 PG 97
DB 6246 PG 97
MATCH EXIST.

JEFFREY C PRESSLEY
DB 4750 PG 90
MB 14 PG 217

CAROLINA INTERSTATE SERVICE, INC. OF NC
DB 17493 PG 938
MB 14 PG 217
LOT 3

VICTORIA T MCPHATTER
DIANNE T GALLOWAY
PHYLLIS T BRYOM
ALICE T NICHOLS
DB 37361 PG 864
MB 14 PG 217

WELDON D. POWELL
DB 914 PG 032

WELDON D. POWELL
DB 935 PG 099

CRYSTAL INVESTMENTS, LLC
DB 29672 PG 501
MB 14 PG 217
LOT 15

EASTWOOD FOREST BAPTIST CHURCH
DB N/F PG N/F

EASTWOOD FOREST BAPTIST CHURCH
DB N/F PG N/F

SR 3556 HARWOOD PL

SR 1009 E JOHN ST (BST)

SR 1009 OLD MONROE RD

SR 1005 FRANKLIN RD

24" CMP

18" CMP

48" CMP

30" RCP-IV

24" RCP-IV

18" RCP-IV

15" RCP-IV

12" RCP-IV

36" RCP-IV

42" RCP-IV

48" RCP-IV

60" RCP-IV

2" PVC

6" UNK

8" UNK MDPE

8" UNK

48" WW/WD

72" WD

72" CMP

72" CHL

48" CHL

48" WW/WD

48" WW/WD

REMOVE 8 LF 18" HDPE
BACKFILL EXISTING HOLE TO ELEV = 769.0

BEGIN TAPER
-Y27- STA. 10 + 81.70
MIN DEPTH 2SI-A
w/NSSG

SPECIAL DETAIL STD. 840d17

END -Y27- CONST.
END TAPER
MATCH EXIST.
-Y27- STA/11 + 43.00

HEAD DITCH
w/CL B RIPRAP
EST. 20 TONS CL B RIPRAP
EST. 85 SY GEOTEXTILE
EST. 9 CY DDE
SEE DETAIL 28

Q10 = 12.6 CFS
HW/D = 0.95

SPEC LAT -V- DITCH
SEE DETAIL 15

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE–C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-09/CONST.09
R/W SHEET NO.	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 09

NAD 83/NA 2011

REVISIONS

MATCHLINE -Y2- 14+50.00
SEE SHEET 9A

MATCHLINE -L- 150+00.00
SEE SHEET 8

MATCHLINE -L- 164+00.00
SEE SHEET 10

MATCHLINE -Y2B- 13+00.00
SEE SHEET 9A

MATCHLINE -Y2A- 14+00.00
SEE SHEET 9A

SITE 5

-Y1- PC Sta. 10+26.81

-Y1- POT Sta. 10+00.00

BEARING AH = S 10°19'34.7" W

-Y1A- Sta. 10+15.00 =
-Y1- Sta. 11+65.42, OS= 15' LT

-Y1A- PT Sta. 12+01.94

-Y1A- PC Sta. 10+11.67

BEARING AH = S 56°59'05.9" W

-Y1- PT Sta. 13+28.93

BEARING BK = S 44°23'32.2" W

-Y2A- PC Sta. 10+52.91

-Y2A- PT Sta. 12+38.13

-Y29- PT Sta. 11+63.91

-Y29- POT Sta. 13+89.29

PROPOSED SIGNAL

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE-C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

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

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-10/CONST.09A
R/W SHEET NO.	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 09A

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

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE-C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

NAD 83/NA 2011

-Y2- POT Sta. 17+37.47

TOWN OF STALLINGS
DB N/F PG N/F

172A

20' UTILITY EASMENT DB 1466 PG 737

MIN. DEPTH CB
SPECIAL DETAIL STD. 840D02

Q25=12.6 CFS
HW/D=0.95

24" RW ELBOW

SPEC BACK OF CURB V-DITCH
SEE DETAIL 14

FLOWABLE FILL

MIN. DEPTH CB
SPECIAL DETAIL STD. 840D02

30" PP

CL 'B' RIPRAP
EST. 8 TONS
EST. 21 SY GF

TIE TO EXISTING DITCH
SEE NOTE ON DETAIL SHEET
UNDER DETAIL 27

3' TAIL DITCH
EST. DDE=8 CY
SEE DETAIL 27
SLOPE=0.4%

MIN. DEPTH CB
SPECIAL DETAIL STD. 840D02

END -Y2- CONST.
END TRANSITION
MATCH EXIST.
-Y2- STA. 16+55.00

TOWN OF STALLINGS
DB 4188 PG 421

172

MATCHLINE -Y2- 14+50.00
SEE SHEET 9

MATCHLINE -Y2B- 13+00.00
SEE SHEETS 9 & 10

-Y2B- PT Sta. 13+26.06

SPEC. LAT V-DITCH
SEE DETAIL 30

STALLINGS
TOWNCENTER, LLC
DB 7269 PG 292

129

MATCHLINE -Y2A- 14+00.00
SEE SHEET 9

SPEC. LAT V-DITCH
SEE DETAIL 15

15" RCP-IV

-Y2B-
-Y2A

+74.63
S 83° 46' 27.8" E

BEARING BK = S 83° 46' 27.8" E

-Y2A- STA. 15+65.58 =
-Y2B- STA. 10+00.00

MINIMUM DEPTH CB
SPECIAL DETAIL STD. 840D02

REMOVE
18" RCP
FROM U-5112

TIE TO U-5112
STR # 602

END -Y2A- CONST.
END TRANSITION
MATCH EXIST.
-Y2A- STA. 16+75.00

S 6°13'32" W

RETAIN

-Y2A- POT Sta. 19+23.67

175
4390 POTTER RD, LLC
DB 7262 PG 321

176
T & Y MATTHEWS, LLC
DB 7245 PG 884

177
H & J PROPERTIES
OF UNION COUNTY LLC
DB 3894 PG 354

178
HOWARD ODELL TEETER
DB D139 PG 1230

COLLEEN B. TEETER
AND HUSBAND,
HOWARD O. TEETER
DB 761 PG 428

PAUL KATOPODIS &
LOULA KATOPODIS
DB 7291 PG 909

PAUL KATOPODIS &
LOULA KATOPODIS
DB 7292 PG 025

MARGUERITE ADELE MAHAN
DB 4622 PG 691

MONA-T, LLC
DB 4862 PG 239

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-11/CONST10
R/W SHEET NO.	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

NAD 83/NA 2011

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

MATCHLINE –L– 164+00.00
SEE SHEET 9

MATCHLINE –Y2B– 13+00.00
SEE SHEET 9A

MATCHLINE –L– 178+00.00
SEE SHEET 11

SITE 6

SITE 5

SITE 7

SAFETY FENCE

3' BASE DITCH W/CL I RIPRAP
EST. 25 TONS
EST. 45 SY GF
EST. DDE=10 CY.
SEE DETAIL 22
LENGTH=52 LF
SLOPE=1.53%

CL 'I' RIPRAP
EST. 15 TONS
EST. 30 SY GF

SPEC BACK OF CURB V-DITCH
SEE DETAIL 14

SPEC LAT V-DITCH
SEE DETAIL 30

SPEC LAT V-DITCH
W/CL B RIPRAP
EST. 105 TONS
EST. 235 SY GF
SEE DETAIL 20

CL 'B' RIPRAP
EST. 2 TONS
EST. 7 SY GF

SPEC LAT V-DITCH
V-DITCH
SEE DETAIL 15

-L- PRC Sta. 165+41.65

-Y30- T Sta. 10+00.00

BEGIN -Y30- CONST.
END TAPER
MATCH EXIST.
-Y30- STA. 12+22.00

-Y30- PC Sta. 12+20.04

-Y30- PCC Sta. 12+72.33

BEGIN TAPER
-Y30- +72.33

-Y30- PT Sta. 13+22.73

BEARING AH = S 58° 02' 25.9" W

-Y30- STA. 13+90.95 =
-L- STA. 173+50.11

BEGIN -Y31- CONST.
END TAPER
MATCH EXIST.

-L- PRC Sta. 177+14.71

-Y31- +27.05

BEARING AH = S 64° 24' 59.1" W

-Y2B- Sta. 14+07.20 =
-L- Sta. 164+32.16 OS= 29.25' RT

-Y3- PRC Sta. 10+77.07

BEARING BK = S 30° 36' 17.9" W

-Y3- PT Sta. 16+79.97

-Y3- PC Sta. 13+89.32

-Y3- PT Sta. 12+36.08

BEARING BK= S 28° 06' 21.9" W

-Y3- PCC Sta. 12+08.64

BEARING AH = N 49° 31' 11.8" W

-Y3- SR 1364 PLEASANT PLAINS RD

Q10=0.28 CFS
HWD=0.18

TIE TO
EXISTING
DITCH

HISTORIC PROPERTY

143 FUNDERBURK FOUR, LLC
DB 5945 PG 334
TRACT 1

144 CAROLYN M. FUNDERBURK
DB 792 PG 742

135 ALLINGS TOAD 209, LLC
DB 7094 PG 569

136 ALPHA OMEGA LAND
DEVELOPMENT INC.
DB 4188 PG 869

137 CAROLYN M. FUNDERBURK
DB 792 PG 742

138 MONA-T, LLC
DB 4862 PG 239

COLLEEN B. TEETER
AND HUSBAND,
HOWARD O. TEETER
DB 761 PG 428

KATOPODIS &
A KATOPODIS
729 PG 909

145A DONNIE W. HOWELL AND WIFE
DB 1597 PG 500

146 AARON M. & YEL
AND SPOUSE
DB 6411

147 VICKY L. JACKSON
AND WIFE SON

148 ANDAI CAPELLA
DB 4555

149 DMITRIUS SELCKIS
AND WIFE
MARIA SELCKIS
DB 6688 PG 739

161 CLAUDIA SUE
KOZLOWSKI
DB 7900 PG 421

161A GLORIA WILLIAMS
SHERIN AND HUSBAND
DAVID MICHAEL SHERIN
DB 5265 PG 804
TRACT 2

145 DENNIS W. SCHILL AND WIFE
GRACE V. SCHILL
DB 6676 PG 0802

PETER V. PASSOS
DB 7612 PG 685

YAMASA CO LTD
DB 7517 PG 228

ROBI
DB 1303 PG 109

140 GLORIA WILLIAMS
SHERIN AND HUSBAND
DAVID MICHAEL SHERIN
DB 5265 PG 804
TRACT 2

142

TOWNHOUSES
GAGIK GASPARYAN
DB 7377 PG

ALLEY

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-12/CONST.11
R/W SHEET NO.	

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

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE-C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

NAD 83/NA 2011

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

MATCHLINE –L– 178+00.00
SEE SHEET 10

MATCHLINE –L– 192+00.00
SEE SHEET 12

SITE 9

SITE 8

SAFETY FENCE

6' TAIL DITCH
EST. 43 TONS CL I RIPRAP
EST. 77 SY GEOTEXTILE
EST. DDE=23 CY
SEE DETAIL 24

HEAD DITCH
EST. 8 CY DDE
SEE DETAIL 23

CL 'B' RIPRAP
-Y33- STA. 14+18.24 =
-Y34- STA. 180+46.41
EST. 11 TONS
EST. 28 SY GF

-Y34- STA. 13+72.61 =
-L- STA. 180+70.85

-Y31- PC Sta. 10+16.32
-Y31- POT Sta. 10+00.00
-Y31- PT Sta. 11+74.26
-Y31- PC Sta. 12+34.95
-Y33- POT Sta. 10+00.00
-Y33- PC Sta. 10+19.65
-Y33- PT Sta. 11+09.06
END -Y33- CONST.
END TAPER
MATCH EXIST
-Y33- STA. 12+30.00
-Y33- PC Sta. 12+80.42
-Y33- PT Sta. 13+83.03
-Y34- PC Sta. 11+68.26
-Y34- POT Sta. 10+00.00
-Y34- PT Sta. 12+91.79
-Y34- PC Sta. 180+96.80
-L- PT Sta. 188+91.75
-Y35- PC Sta. 10+00.00
-Y35- PT Sta. 12+99.79
-Y35- POT Sta. 13+35.14

BEARING AH = S 85° 40' 14.4" W
BEARING AH = S 38° 12' 43.5" E
BEARING AH = S 56° 27' 55.4" W

33 x 66 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
8 ft. weir
ID 11.1

IGOR JURIC AND SAMANTHA JURIS AKA SAMANTHA M. JURIC HUSBAND AND WIFE DB 6699, PG 427

M. BRENT HUFFMAN AND WIFE, KIMBERLY G. HUFFMAN DB 1005 PG 150

KIMBERLY M. DELGADO DB 7260 PG 872

JOSEPH G. LANE AND WIFE, WENDY T. LANE DB 1636 PG 450

WILLIAM A. LAUSTSEN & NECIA M. LAUSTSEN DB 1674 PG 460

CASSANDRA MAKOWSKI & DENNIS JAMES MAKOWSKI JR. DB 7494 PG 690

ANDREY LASHTUR DB 7392 PG 381

HISTORIC SOCIETY OF CAROLY WOUNDED DB 1825 PG 109

HOMESALES INC. DB 5208 PG 205 PB 4 PG 189 LOT 1

HOMESALES INC. DB 5208 PG 205 PB 4 PG 189 LOT 2

BONNIE FAYE MARTIN AND KIMBERLY DAWN SIETMANN DB 6082 PG 0734 PB 4 PG 189 LOT 3

BONNIE FAYE MARTIN AND KIMBERLY DAWN SIETMANN DB 6082 PG 0734 PB 4 PG 189 LOT 4

BONNIE FAYE MARTIN AND KIMBERLY DAWN SIETMANN DB 6082 PG 0734 PB 4 PG 189 LOT 5

BONNIE FAYE MARTIN AND KIMBERLY DAWN SIETMANN DB 6082 PG 0734 PB 4 PG 189 LOT 6

RONALD LEE ALLED SEPERATED DB 1825 PG 109 PB 4 PG 189 LOT 19

RONALD LEE ALLED SEPERATED DB 1825 PG 109 PB 4 PG 189 LOT 20

TAE KYU PARK AND WIFE, OH SEON PARK DB 1317 PG 658

IME INVESTMENTS GROUP, INC DB 5400 PG 1817 PB 4 PG 189 LOT 1

IME INVESTMENTS GROUP, INC DB 5400 PG 1817 PB 4 PG 189 LOT 2

IME INVESTMENTS GROUP, INC DB 5400 PG 1817 PB 4 PG 189 LOT 3

IME INVESTMENTS GROUP, INC DB 5400 PG 1817 PB 4 PG 189 LOT 4

COUCHELL PETER JR PB 4 PG 189 LOT 5

COUCHELL PETER JR PB 4 PG 189 LOT 6

COUCHELL PETER JR PB 4 PG 189 LOT 7

COUCHELL PETER JR PB 4 PG 189 LOT 8

TIMOTHY L. SHERIN DB 3025 PG 664 PB 4 PG 189 LOT 1

TIMOTHY L. SHERIN DB 3025 PG 664 PB 4 PG 189 LOT 2

TIMOTHY L. SHERIN DB 3025 PG 664 PB 4 PG 189 LOT 3

TIMOTHY L. SHERIN AND WIFE, DAWN M. SHERIN DB 0816 PG 792 PB 7 PG 37A LOT 5

RZR LOVE LLC DB 8081 PG 558 PB 7 PG 37A LOT 6

N.J.V. ENTERPRISES, LLC DB 8429 PG 866 PB 4 PG 189 LOT 19

N.J.V. ENTERPRISES, LLC DB 8429 PG 866 PB 4 PG 189 LOT 17

N.J.V. ENTERPRISES, LLC DB 8429 PG 866 PB 4 PG 189 LOT 18

N.J.V. ENTERPRISES, LLC DB 8429 PG 866 PB 4 PG 189 LOT 20

SR 1009 OLD MONROE ROAD

HOMEWOOD WAY

SPEC BACK OF CURB V-DITCH
SEE DETAIL 14

SPEC LATERAL V-DITCH
SEE DETAIL 29

5' CONC. SIDEWALK

10' DRAINAGE EASEMENT

10' MULTI-USE PATH

100' TAPER

GRADE to DRAIN
FROM STA. 179+31 TO TB 2GI
STA. 180+42 -L- RT R=45'

FLOWABLE FILL

REMOVE

PUMP

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-13/CONST12
R/W SHEET NO.	

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 12

NAD 83/NA 2011

REVISIONS

8/17/99

MATCHLINE –L– 192+00.00
SEE SHEET 11

END TIP PROJECT U-4714AC
BEGIN TIP PROJECT U-4714BA
–L– STA. 193+50.61

TIE TO STR #0401
TIP PROJ: U-4714B
DESIGNED BY OTHER

TIE TO STR #0408
TIP PROJ: U-4714B
DESIGNED BY OTHER

SIKES VAN HENERY AND LYNETTE G PB A PG 50B LOT 10

LUKENS JUDY E DB 6706 PG 257 PB A PG 50B LOT 11

RUSSELL DANNY K AND VIRGINIA DB N/F PG N/F PB A PG 50B LOT 12

PHIFER BRENDA E DB N/F PG N/F PB A PG 50B LOT 13

FREDERICK M. BUNICK AND WIFE PATRICIA G. GABRIEL-BURNICK DB 1639 PG 0293 PB A PG 50B LOT 14

KRISTIN AREY DB 6975 PG 677 PB A PG 50B LOT 15

ERIK K ROWLETT AND WIFE ISABEL RUEDA ABAD DB 6005 PG 222

ROBERT M. SULLIVAN AND WIFE SHARON L. SULLIVAN DB 1653 PG 327

MATTHEW SMITH DB 7247 PG 709 PB F PG 844

JACEK RODZIEWICZ DANKA RUDZIEWICZ DB 3792 PG 326 PB F PG 844

DAVID L RAY SUSAN A RAY DB 1925 PG 671 PB F PG 844

CHRISTINE S GOODSON DAVIS A GOODSON DB 3187 PG 441 PB F PG 844

KIMBERLY A ELSASSER DB 3681 PG 307 PB F PG 844

MORRY L HUMPHREY DB 6018 PG 858 PB F PG 844

MORNINGSIDE MEADOWS HOMEOWNERS ASSOCIATION, INC DB 1414 PG 136

MARK DAVID BROOME DB 7235 PG 204

STALLINGS POINTE, LLC DB [illegible] 100

DAWN M. SHERIN DB 4555 PG 131 PB 7 PG 37A LOT 4

317 PROPERTIES, LLC DB 5887 PG 181 PB 7 PG 37A LOT 3

ALLEN POLE DB 141 PG 344 PB 7 PG 37A LOT 2

DANNY F. DUNN AND WIFE JENNIFER J DUNN DB 4142 PG 876 PB 7 PG 37A LOT 1

JAMES HAMILTON TURNER, JR DB 3524 PG 722

ANTONIOS K. PANOU DB 911 PG 697

ANTONIOS K. PANOU DB 858 PG 500

BRUCE P. MARX AND SPOUSE, LINDA L. MARX DB 5941 PG 570

WILLIAM LARRY ALEXANDER DB 7503 PG 411

DAMON S. BUTCHER AND WIFE, TIFFANY M. BUTCHER DB 1349 PG 699

WILLIAM F. DEMOSS AND NANCY B. DEMOSS DB 7131 PG 678

RICHARD P. BROOME DB 365 PG 477

TERRY R CARTON AND WIFE TARA A CARTON

YUCRUM PROPERTY MANAGEMENT LLC DB 4772 PG 275

YAMASA CO., LTD. DB 7531 PG 455

HAZEL FOSTER DB N/F PG N/F

MAXWELL RICHARD MCWATERS DB 7436 PG 537

LINA M. ALEXANDER DB 1169 PG 823

BLUEBONNET LN

MORNINGSIDE MEADOW LN

6' UNK TYPE, Union Co Public Works

Piedmont Natural Gas Company, Inc

Duke Energy Progress

S 38°12'43.5" E

6:1 AC

6:1 PLASTIC

DUE

REMOVE

PROP U/G GAS LINE

SIDEWALK

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-14/CONST.04
R/W SHEET NO.	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 04

NAD 83/NA 2011

MATCHLINE -L- 94+00.00
SEE SHEET 5

-L-
-RB- POT Sta. 31+75.58
-L- PT Sta. 84+50.70
-LB- POT Sta. 21+64.66
-RA- POT Sta. 29+02.22
-LD- POT Sta. 21+91.55
-RC- POT Sta. 27+42.37
CS Sta. 17+47.32
PT Sta. 29+00.96
ST Sta. 18+97.32
SC Sta. 11+50.00
ST Sta. 10+00.00
ST Sta. 18+92.23
CS Sta. 17+42.23
I-485
S 57° 03' 42.1" W
S 32° 56' 17.9" E
PROP. MONOLITHIC ISLAND
PROP. MULTI-USE PATH
PROP. CONC. SIDEWALK
SR 1009 E JOHN ST
ON RAMP TO I-485 INNER 23' BST
I-485 INNER 42.5' BST
MATTHEWS BELTWAY LLC
DB 9813 PG 435
PB 50 PG 087
Windstream Communications Inc., 24 STR
Time Warner Cable, 24 STR
Piedmont Natural Gas Company Inc., 6" PLASTIC
WOODS
SODDING
RIPRAP

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-15/CONST.05
R/W SHEET NO.	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 05

Place Matting for Erosion Control on Slope as Work Allows. See EC-3 for Locations

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE-C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

40 x 68 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
11 ft. weir
ID 5.1

NAD 83/NA 2011

SITE 1

SITE 2

MATCHLINE -L- 94+00.00
SEE SHEET 4

MATCHLINE -L- 108+00.00
SEE SHEET 6

LESTER AND MARY YANDLE, LLC
DB 14396 PG 692

ASPEN ASSET GROUP LLC
DB 8786 PG 789
88

ASPEN ASSETT GROUP LLC
DB 8909 PG 829
89

PAUL H TROTTER
6058 - 295
84

EDWIN LAWRENCE TENHENGEL
DB 1918 PG 155
170

LESTER AND MARY YANDLE, LLC

END PROJECT I-5507
BEGIN PROJECT U-4714AC
-L- STA. 96+20.00 =
-Y6- STA. 108+79.49, OS = 5.27' RT

-L- PRC Sta. 100+20.16

-L- PT Sta. 105+11.09

BEARING AH = S 32° 52' 08.0" E

BEARING BK = S 56° 17' 38.1" W

BEARING AH = S 34° 33' 01.9" W

48 LF OF INLET
CHANNEL IMPROVEMENT
EST. 125 TONS CL II RIP RAP
EST. 130 SY GEOTEXTILE
EST. 50 CY DDE
SEE DETAIL 5

38 LF OF INLET
CHANNEL IMPROVEMENT
EST. 80 TONS CL II RIP RAP
EST. 80 SY GEOTEXTILE
EST. 20 CY DDE
SEE DETAIL 5

LAT 2' BASE DITCH w/CL B RIPRAP
EST. 75 TONS CL B RIPRAP
EST. 327 SY GEOTEXTILE
EST. 131 CY DDE
SEE DETAIL 4

RETAIN AND EXTEND
2 @ 5'x6' RCBC

RETAIN AND EXTEND
2 @ 5'x6' RCBC

SPEC LAT V-DITCH w/CL B RIPRAP
EST. 105 TONS CL B RIPRAP
EST 235 SY GEOTEXTILE
SEE DETAIL 3

SPEC. LAT. V-DITCH
SEE DETAIL 2

SPEC. BACK OF CURB V-DITCH
SEE DETAIL 1

END CONST.
MATCH I-5507

CL 'B' RIP RAP
EST. 2 TONS
EST. 7 SY GF

EXISTING EASEMENT

PROPOSED GUARDRAIL

SR 1009 E JOHN ST 30.5' BST

SR 1009 E JOHN ST 30' BST

S 32° 56' 17.9" E

S 32° 52' 08.0" E

MONO ISLAND

430' LANE AND MEDIANA TAPER

100' TAPER

12' DR

2'-6" C&G

2'-9" C&G

4' PLASTIC

10' MULTI USE PATH

15" RCP-IV

18" w/ELBOW

24" RCP DIRECTION CHANGE

ISBKD

CONC

GR

DK

G

TSD

SD

PDE

DUE

PUE

TDE

JS

SF

CA-1

GREU TL-3

REMOVE

FLOWABLE FILL

WOODS

SOIL

F0

OHP

OHW

UGP

UGT

48" WW/SSW

-L- 94+30.22 225.01'

-L- 95+10.47 150.66'

-L- 94+79.79 139.83'

-L- 97+07.46 141.30'

-L- 97+07.68 150.50' LT

-L- 97+07.68 124.50'

-L- 97+07.68 124.50'

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-16/CONST.06
R/W SHEET NO.	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 06

Place Matting for Erosion Control
on Slope as Work Allows.
See EC-3 for Locations

58 x 29 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
6 ft. weir
ID 6.2

81 x 37 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
23 ft. weir
ID 6.1

NAD 83/NA 2011

MATCHLINE -L- 108+00.00
SEE SHEET 5

MATCHLINE -L- 122+00.00
SEE SHEET 7

SITE 2

-L- PRC Sta. 117+10.14

PC Sta. 111+34.50

89 ASPEN ASSETT GROUP LLC
DB 8909 PG 829

87 DUKE POWER CO
4147 - 921

85 FOUR MORE INVESTMENTS LLC
DB 19420 PG 508
TRACT A

86 CHARLESTON VENTURE LLC
DB 10765 PG 668

FOUR MORE INVESTMENTS LLC
DB 19420 PG 508

JEFFREY WAYNE SPARKS
AND RICHARD ALAN SPARKS
DB 33348 PG 935

SPEC BACK OF CURB V-DITCH w/CL B RIPRAP
EST. 59 TONS CL B RIPRAP
EST. 271 SY GEOTEXTILE
SEE DETAIL 6

LAT 5' BASE DITCH
w/CL I RIPRAP
EST. 115 TONS CL I RIPRAP
EST. 150 SY GEOTEXTILE
EST. 197 CY DDE
SEE DETAIL 8

SPEC LAT 5' BASE DITCH
EST. 135 TONS CL I RIPRAP
EST. 200 SY GEOTEXTILE
SEE DETAIL 7

TRENCHED INSTALLATION
60" WELDED STEEL
(74 LF)

TRENCHLESS INSTALLATION
60" WELDED STEEL
(110 LF)

FLOATING
TURBIDITY
CURTAIN

CL 'B' RIPRAP
EST. 2 TONS
EST. 7 SY GF

LAT 6' BASE DITCH w/CL I RIPRAP
EST. 214 TONS CL I RIPRAP
EST. 260 SY GEOTEXTILE
SEE DETAIL 9

BURY INVERT 1.0'

SPEC BACK OF CURB 5' BASE DITCH w/CL I
RIPRAP
EST. 471 TONS CL I RIPRAP
EST. 855 SY GEOTEXTILE
SEE DETAIL 10

Q10 = 15.8 CFS
S = 4.0%
HW/D = 1.09

Q10 = 12.8 CFS
S = 1.85%
HW/D = 0.95

SPEC BACK OF CURB 2' BASE DITCH w/CL B
RIPRAP
EST. 230 TONS OF CL B RIPRAP
EST. 1015 SY OF GEOTEXTILE
SEE DETAIL 11

SPEC BACK OF CURB V-DITCH
SEE DETAIL

CL 'B' RIPRAP
EST. 2 TONS
EST. 7 SY GF

BEGIN SIDEWALK TRANS.
STA. 115+50.00 (42.00' LT)

END SIDEWALK TRANS.
STA. 116+50.00 (42.00' LT)

BEGIN SIDEWALK TRANS.
STA. 117+50.00 (38.00' LT)

END SIDEWALK TRANS.
STA. 118+50.00 (42.00' LT)

5' CONC. SIDEWALK

15" RCP-IV

2'-6" C&G

2'-9" C&G

REMOVE

SR 1009 E JOHN ST 25' BST

MONO ISLAND

DUKE ENERGY EMPTY CONDUIT

NOTE:
ADDITIONAL EASEMENT NEEDS FOR DUKE DISTRIBUTION FACILITIES TO BE INDEPENDENTLY COORDINATED WITH DUKE TRANSMISSION ON DUKE POWER COMPANY PARCELS.

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-17/CONST.07
R/W SHEET NO.	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 07

REVISIONS

MATCHLINE –L– 122+00.00
SEE SHEET 6

MATCHLINE –L– 136+00.00
SEE SHEET 8

Place Matting for Erosion Control on Slope as Work Allows. See EC–3 for Locations

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE–C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

INSTALL MATTING FOR
EROSION CONTROL ON SLOPES ABOVE RIP RAP
IN PROPOSED DITCH LINE.
STA. 134+50 TO STA. 136+00 –L– LT EST. 335 SY
STA. 134+32 TO STA. 135+43 –L– RT EST. 350 SY

NAD 83/NA 2011

–L– PT Sta. 126+53.86
BEARING AH = S 35° 52' 54.0" E

SITE 3

SITE 4

PIPE INLET CHANNEL BANK STABILIZATION
EST. 35 TONS CL 'I' RIPRAP
EST. 55 SY GEOTEXTILE
EST. DDE=39 CY
SEE DETAIL 13

TOE PROTECTION
STA. 124+50 TO 126+00 –L– LT
EST. 50 TON CL B RIPRAP
EST. 216 SY GEOTEXTILE
SEE DETAIL 12

BURY INVERT 1.0'

SPEC BACK OF CURB V-DITCH
SEE DETAIL 14

FLOWABLE FILL

66" WELDED STEEL
(TRENCHLESS INSTALLATION)

TOE PROTECTION
STA. 124+00 TO 125+50 –L– RT
EST. 50 TON CL B RIPRAP
EST. 216 SY GEOTEXTILE
SEE DETAIL 12

CL 'B' RIPRAP
EST. 2 TONS
EST. 7 SY GF

PIPE OUTLET CHANNEL BANK STABILIZATION
EST. 50 TONS CL 'I' RIPRAP
EST. 80 SY GEOTEXTILE
EST. 25 CY DDE
SEE DETAIL 16

SPEC BACK OF CURB V-DITCH
SEE DETAIL 1

BEARING AH = S 55° 21' 40.9" W

BEARING AH = S 66° 26' 19.3" W

BEARING AH = S 84° 20' 52.2" W

BEARING AH = S 72° 40' 52.1" W

BEARING AH = S 35° 52' 54.0" E

TIE TO EXISTING DITCH

SPEC LAT V-DITCH
SEE DETAIL 15

BEGIN –Y25– CONST.
MATCH EXIST.
–Y25– 21+00.00

CL 'B' RIPRAP
EST. 2 TONS
EST. 7 SY GF

SPEC CUT 2' BASE DITCH w/CL B RIPRAP
EST. 230 TONS CL B RIPRAP
EST. 510 SY GEOTEXTILE
SEE DETAIL 18
Q10=41.4 CFS
HWD=1.06

TIE TO EXISTING CHANNEL

SPEC LAT 2' BASE DITCH
w/CL B RIPRAP
EST. 71 TONS CL B RIPRAP
EST. 298 SY GEOTEXTILE
SEE DETAIL 17

30" RCP TO BE REPLACED WITH 60" RCP AS PART OF U-4713A

PIPE OUTLET CHANNEL STABILIZATION w/CL 'I' RIPRAP
EST. 42 TONS CL I RIPRAP
EST. 29 SY GEOTEXTILE
SEE DETAIL 21

SPEC LAT V-DITCH w/CL B RIPRAP
EST. 36 TONS CL B RIPRAP
EST. 163 SY GEOTEXTILE
SEE DETAIL 20

–Y25– PC Sta. 28+42.27

BEARING BK = S 57° 06' 27.0" W

–Y24– STA. 10+00.00 =
–L– STA. 135+74.53

–Y25– PI Sta. 24+75.58

–Y25– PT Sta. 25+39.54

–Y24– PC Sta. 10+95.01
BEARING BK = S 42° 46' 02.2" W

★ PROPOSED SIGNAL

NOTE:
ADDITIONAL EASEMENT NEEDS FOR DUKE DISTRIBUTION FACILITIES TO BE INDEPENDENTLY COORDINATED WITH DUKE TRANSMISSION ON DUKE POWER COMPANY PARCELS.

INDIAN TRAIL PLAZA
DB 26739 PG 894

87 DUKE POWER CO 4147 - 921

97 CYNTHIA SEWELL GARDNER DB 2165 PG 234

99 2217 EAST JOHN ST LLC DB 19636 PG 619

92 TROTTER PROPERTIES LLC DB 19840 PG 566

93 HAWTHORNE'S HOLDING GROUP LLC DB 19840 PG 566

95 MARCELLA MCINTYRE WITHROW DB 36014 PG 297

96 MARCELLA MCINTYRE WITHROW DB 36014 PG 294

97A MARCELLA MCINTYRE WITHROW DB 36014 PG 303 MB 14 PG 217 LOT 1

171 MARCELLA MCINTYRE WITHROW DB 36014 PG 422 MB 14 PG 217 LOT 2

91

125

130

135

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-18/CONST.08
R/W SHEET NO.	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 08

NAD 83/NA 2011

INSTALL MATTING FOR
EROSION CONTROL ON SLOPES ABOVE RIP RAP
IN PROPOSED DITCH LINE.
STA. 136+00 TO STA. 137+50 –L– LT EST. 305 SY
STA. 140+00 TO STA. 141+50 –L– LT EST. 575 SY

MATCHLINE –L– 136+00.00
SEE SHEET 7

MATCHLINE –L– 150+00.00
SEE SHEET 9

-DRI- POT Sta. 10+00.00
BA = S 43° 00' 35.0" W
-DRI- PC Sta. 10+60.06
-DRI- PT Sta. 10+78.56
BA = N 55° 21' 51.2" W
-DRI- PC Sta. 11+22.25
BA = S 67° 56' 08.3" W
-DRI- PT Sta. 11+29.57
-DRI- POT Sta. 11+43.72
-L- PT Sta. 137+01.65
-Y24- PT Sta. 11+16.83
-Y24- PC Sta. 11+26.36
-Y24- PT Sta. 12+21.46
-Y24- POT Sta. 13+80.57
-Y26- PT Sta. 13+40.53
-Y26- PC Sta. 11+11.82
BEARING BK = S 58° 58' 25.4" W
-Y26- PT Sta. 12+33.63
-Y26- PC Sta. 12+41.94
-Y27- POT Sta. 13+42.69
-Y27- PT Sta. 12+32.69
-Y27- PC Sta. 10+29.54
BEARING BK = S 52° 07' 41.5" W
-Y28- PT Sta. 11+87.34
BEARING AH = S 55° 47' 19.4" W
-Y28- PC Sta. 11+61.82
-Y28- POT Sta. 10+00.00
-Y27- STA. 10+00.00 = -L- STA. 145+54.47
BEARING AH = S 33° 00' 54.1" E

SPEC CUT 2' BASE DITCH w/CL B RIPRAP
EST. 230 TONS CL B RIPRAP
EST. 510 SY GEOTEXTILE
SEE DETAIL 18

SPEC LAT 2' BASE DITCH w/CL B RIPRAP
EST. 140 TONS CL B RIPRAP
EST. 310 SY GEOTEXTILE
SEE DETAIL 17

SPEC CUT 2' BASE DITCH w/CL B RIPRAP
EST. 130 TONS CL B RIPRAP
EST. 290 SY GEOTEXTILE
SEE DETAIL 18

SPEC LAT 2' BASE DITCH w/CL B RIPRAP
EST. 90 TONS CL B RIPRAP
EST. 195 SY GEOTEXTILE
SEE DETAIL 17

SPEC LAT V-DITCH
SEE DETAIL 15

HEAD DITCH
w/CL B RIPRAP
EST. 20 TONS CL B RIPRAP
EST. 85 SY GEOTEXTILE
EST. 9 CY DDE
SEE DETAIL 28

Q10=41.4 CFS
HW/D=1.06

Q10=20.1
HW/D=0.89

Q10=12.6 CFS
HW/D=0.95

BEGIN TAPER
-Y26- + 84.00
END TAPER
-Y26- + 34.50
MATCH EXIST.
-Y26- STA. 11+52.64

BEGIN TAPER
-Y27- STA. 10+81.70
MIN DEPTH 2GI-A
w/NSSG.
SPECIAL DETAIL STD. 840d17
END -Y27- CONST.
END TAPER
MATCH EXIST.
-Y27- STA. 11+43.00

BEGIN -Y28- CONST.
END TAPER
MATCH EXIST.
-Y28- STA. 12+04.00

BEGIN TAPER
-Y28- + 40.00

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE-C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

COUCHELL FAMILY PROPERTIES LLC
2309 EAST JOHN ST LLC
BERBICE ENTERPRISE LLC
2425 EAST JOHN ST LLC
ROKTAL PROPERTY DEVELOPMENT LLC
BELTWAY INDUSTRIAL PARK LLC
JERRY MAC PRESSLEY & LYNDA PRESSLEY
JOSEPH C MARTIN
SHIRLEY HALING
HAROLD JOSEPH TENNANT
AMY C MCNABB
RICKY LEE KLUTZ AND WIFE RAYMOUTH JEAN KLUTZ
RM MATTHEWS LLC
HW PROPERTIES INC
JEFFREY CLEO PRESSLEY & EDWARD EARL SEARS
JEFFREY C PRESSLEY
EAST JOHN SYSTEMS, L.L.C.
CAROLINA WATER SERVICE INC OF NC
VICTORIA T MCPHATTER
DIANNE T GALLOWAY
PHYLLIS T BRYOM
ALICE T NICHOLS
AJC LLC
F & B LLC
CRYSTAL PAC PROPERTIES LLC
WELDON D. POWELL
EASTWOOD FOREST BAPTIST CHURCH
JEFFREY H CARROLL AND WIFE TERESA A. CARROLL
LANDSCAPE TIMBERS
SR 3556 HARWOOD PL BST
SR 4001 FOREST HILL DR
SR 3399 NW 1ST
SR 1009 E JOHN ST
SR 1009 MONROE RD
SR 1145 PLECKLENBURG COUNTY UNION COUNTY

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-19/CONST.09
R/W SHEET NO.	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 09

NAD 83/NA 2011

REVISIONS

MATCHLINE -L- 150+00.00
SEE SHEET 8

MATCHLINE -Y2- 14+50.00
SEE SHEET 9A

MATCHLINE -L- 164+00.00
SEE SHEET 10

MATCHLINE -Y2B- 13+00.00
SEE SHEET 9A

MATCHLINE -Y2A- 14+00.00
SEE SHEET 9A

SITE 5

PROPOSED SIGNAL

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE-C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-20/CONST.09A
R/W SHEET NO.	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 09A

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE-C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

NAD 83/NA 2011

BEARING AH = S 10°19' 34.7" W

-Y2- POT Sta. 17+37.47

TOWN OF STALLINGS
DB N/F PG N/F

172A

20' UTILITY EASEMENT DB 1466 PG 737

SR 1460 CAMPUS RIDGE ROAD (SR 1460)

RISER TOP=777.76'

MIN. DEPTH CB
SPECIAL DETAIL STD. 840D02

Q25 = 12.6 CFS
HW/D = 0.95

24" w/ELBOWS

SEE BACK OF CURB V-DITCH SEE DETAIL 14

FLOWABLE FILL

MIN. DEPTH CB
SPECIAL DETAIL STD. 840D02

30" PP

CL 'B' RIPRAP
EST. 8 TONS
EST. 21 SY GF

TIE TO EXISTING DITCH
SEE NOTE ON DETAIL SHEET
UNDER PAVE 27

3' TAIL DITCH
EST. DDE = 8 CY
SEE DETAIL 27
SLOPE = 0.4%

MIN. DEPTH CB
SPECIAL DETAIL STD. 840D02

END -Y2- CONST.
END TRANSITION
MATCH EXIST.
-Y2- STA. 16+55.00

MATCHLINE -Y2- 14+50.00
SEE SHEET 9

N 62° 43' 36.6" E

SR 1395 (ST JAMES RD 405' BST)

MATCHLINE -Y2A- 14+00.00
SEE SHEET 9

MATCHLINE -Y2B- 13+00.00
SEE SHEETS 9 & 10

-Y2B- PT Sta. 13+26.06

129

SPEC. LAT V-DITCH
SEE DETAIL 30

STALLINGS TOWNCENTER, LLC
DB 7269 PG 292

DEVELOPMENT INC
DB 4188 PG 869

MONA-T, LLC
DB 4862 PG 239

COLLEEN B. TEETER
AND HUSBAND,
HOWARD O. TEETER
DB 761 PG 428

-Y2B- PC Sta. 10+74.63
BEARING BK = S 83° 46' 27.8" E
BEARING AH = S 83° 46' 27.8" E
-Y2B- Sta. 10+23.28 =
-Y2A- Sta. 15+65.58 OS = 23.28' LT

178

HOWARD ODELL TEETER
DB D139 PG 1230

PAUL KATOPODIS &
LOULA KATOPODIS
DB 7291 PG 909

-Y2A- POT Sta. 19+23.67

PAUL KATOPODIS &
LOULA KATOPODIS
DB 7292 PG 025

MARGUERITE ADELE MAHAN
DB 4622 PG 697

-Y2A- STA. 15+65.58 =
-Y2B- STA. 10+00.00

MINIMUM DEPTH CB
SPECIAL DETAIL STD. 840D02

REMOVE
18" RCP
FROM U-5112
TIE TO U-5112
STR # 602

SPEC. LAT V-DITCH
SEE DETAIL 15

15" RCP-IV

END -Y2A- CONST.
END TRANSITION
MATCH EXIST.
-Y2A- STA. 16+75.00

RETAIN

S 6° 13' 32.2" W

175

4390 POTTER RD, LLC
DB 7262 PG 321

176

T & Y MATTHEWS, LLC
DB 7245 PG 884

177

H & J PROPERTIES
OF UNION COUNTY LLC
DB 3894 PG 354

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-21/CONST10
R/W SHEET NO.	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

NAD 83/NA 2011

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE-C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

HISTORIC PROPERTY

SITE 6

SITE 5

SITE 7

SAFETY FENCE

MATCHLINE -L- 164+00.00
SEE SHEET 9

MATCHLINE -L- 178+00.00
SEE SHEET 11

MATCHLINE -Y2B- 13+00.00
SEE SHEET 9A

-L- PRC Sta. 165+41.65

-Y30- PC Sta. 12+20.04

-Y30- PCC Sta. 12+72.33

-Y30- PT Sta. 13+22.73
BEARING AH = S 58° 02' 25.9" W

-Y30- T Sta. 10+00.00

BEGIN -Y30- CONST.
END TAPER
MATCH EXIST.
-Y30- STA. 12+22.00

BEGIN TAPER
-Y30- +72.33

BEGIN -Y31- CONST
END TAPER
MATCH EXIST

-Y31- +27.05

BEARING AH = S 64° 24' 59.1" W

-L- PRC Sta. 177+47.1

-Y2B- Sta. 14+07.20 =
-Y Sta. 164+32.16.05 = 29.25' RT

-Y3- PT Sta. 16+79.97

-Y3- PC Sta. 13+89.32

-Y3- PT Sta. 12+36.08

BEARING BK= S 28° 06' 21.9" W

-Y3- PCC Sta. 12+08.64

-Y3- RC Sta. 10+27.07

BEARING AH = W 49° 31' 11.6" W

-Y3- SR 1364 PLEASANT PLAINS RD

-Y31- STA. 10+00.00 =
-L- STA. 177+47.1

-Y30- STA. 13+90.95 =
-L- STA. 173+50.11

BEARING BK = S 64° 24' 59.1" W

135 ALLINGS TOAD 209, LLC DB 7084 PG 569

143 FUNDERBURK FOUR, LLC DB 5945 PG 334 TRACT 1

144 CAROLYN M. FUNDERBURK DB 792 PG 742

145 DENNIS W. SCHILL AND WIFE GRACE V. SCHILL DB 6678 PG 0002

145A GAGIK GASPARYAN DB 7377 PG 2

146 BONNIE H. THORNTON DB 1691 PG 300

147 AARON SPOUSES AND DEFENDANTS DB 6411 PG 2

148 NICKY L. JACKSON AND WIFE JACKIE S. JACKSON DB 4165 PG 0

149 APRIL L. RUST DB 4467 PG 535

161 DMITRIJS SELIACKIS AND WIFE VALENTA SELIACKIS DB 6688 PG 1459

161A INDIA LEE KOZLOWSKI DB 7900 PG 423

136 ALPHA OMEGA LAND DEVELOPMENT INC. DB 4188 PG 869

137 CAROLYN M. FUNDERBURK DB 792 PG 742

138 MONA-T, LLC DB 4862 PG 239

139 YAMASA CO LTD DB 7517 PG 228

140 GLORIA WILLIAMS SHERIN AND HUSBAND DAVID MICHAEL SHERIN DB 5265 PG 804 TRACT 2

142 COLLEEN B. TEETER AND HUSBAND, HOWARD O. TEETER DB 761 PG 428

JUSTIN M. COLE AND WIFE, KELLY A. COLE DB 8448 PG 822 PB 4 PG 189 LOT 2

JUSTIN M. COLE AND WIFE, KELLY A. COLE DB 8448 PG 822 PB 4 PG 189

KATOPODIS & A KATOPODIS 7291 PG 909

SPEC BACK OF CURB V-DITCH SEE DETAIL 14

3' BASE DITCH W/CL I RIPRAP
EST. 25 TONS
EST. 45 SY GF
EST. DDE=10 CY
SEE DETAIL 22
LENGTH=52 LF
SLOPE=1.53%

CL 'I' RIPRAP
EST. 15 TONS
EST. 30 SY GF

SPEC LAT V-DITCH
SEE DETAIL 30

SPEC LAT V-DITCH
W/CL B RIPRAP
EST. 105 TONS
EST. 235 SY GF
SEE DETAIL 20

CL 'B' RIPRAP
EST. 2 TONS
EST. 7 SY GF

SPEC LAT V-DITCH
SEE DETAIL 15

Q10=0.20 CFS
HW/D=0.18

TIE TO EXISTING DITCH

REMOVE 66' OF 10" HDPE

FLOWABLE FILL

REMOVE

15" RCP-IV

18" RCP-IV

30" RCP-IV

15" RCP-W

2GI

TB

DUE

DWE

DUE

PDE

RETAIN

GTD F

ISBKD

ISBKBUS

2SBKFD

CONC LS

BM#9

REM GUY

100' TAPER

2'-9" C&G

2'-6" C&G

18" C&G

24" RCP-IV

5' CONC. SIDEWALK

72" VINYL

12" VINYL

TOWNHOUSES

2SBKF

2SFD

CONC

ASPH

BST

10' BST

18.5' BST

12' MULTI-USE PATH

PROP O/H POW TEL

PROP U/G GAS

PROP U/G POW TEL

PROP U/G TEL

PROP U/G CATV

PROP U/G FO LINE

PROP WTR LINE

PROP SAN SWR LINE

PROP STM DRN LINE

EXIST U/G TEL

EXIST U/G CATV

EXIST U/G FO LINE

EXIST WTR LINE

EXIST SAN SWR LINE

EXIST STM DRN LINE

EXIST GAS LINE

EXIST O/H POW TEL

EXIST U/G POW TEL

EXIST U/G GAS

EXIST U/G WTR

EXIST U/G SAN SWR

EXIST U/G STM DRN

EXIST U/G FO LINE

EXIST U/G TEL

EXIST U/G CATV

EXIST U/G POW TEL

EXIST U/G GAS

EXIST U/G WTR

EXIST U/G SAN SWR

EXIST U/G STM DRN

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-22/CONSTJI
R/W SHEET NO.	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE-C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

NAD 83/NA 2011

MATCHLINE -L- 178+00.00
SEE SHEET 10

MATCHLINE -L- 192+00.00
SEE SHEET 12

SITE 9

SITE 8

SAFETY FENCE

-Y31- PC Sta. 10+16.32

-Y31- POT Sta. 10+00.00

-Y31- PC Sta. 12+34.95

-Y31- PT Sta. 11+74.26

-Y33- POT Sta. 10+00.00

-Y33- PC Sta. 10+19.65

-Y33- PT Sta. 11+09.06

END -Y33- CONST.
END TAPER
MATCH EXIST.
-Y33- STA. 12+30.00

-Y33- PC Sta. 12+80.42

-Y33- PT Sta. 13+83.03

BEGIN TAPER
-Y33- STA. 13+83.30
16.00' RT

HEAD DITCH
EST. 8 CY DDE
SEE DETAIL 23

6' TAIL DITCH
EST. 43 TONS CL I RIPRAP
EST. 77 SY GEOTEXTILE
EST. DDE=23 CY
SEE DETAIL 24

CL 'B' RIPRAP
EST. 11 TONS
EST. 28' SY GF

-Y33- STA. 14+18.24 =
-Y34- STA. 13+46.41
-L- STA. 180+70.85

-Y33- STA. 13+72.61 =
-L- STA. 180+70.85

BEARING AH = S 80° 40' 14.4" W

-L- PT Sta. 188+91.75

BEARING AH = S 56° 12' 45.5" E

-Y34- PC Sta. 11+68.26

-Y34- PT Sta. 12+91.79
BEARING AH = N 44° 00' 37.7" E
HWD = 0.2

-Y34- POT Sta. 10+00.00

-Y35- PC Sta. 10+74.84
BEARING AH = S 56° 27' 55.4" W

-Y35- PT Sta. 12+99.79

-Y35- POT Sta. 13+35.14

IRRG Sta. 180+96.80

MIN. DEPTH: DI
SPECIAL DETAIL STD. 840.14

SPEC BACK OF CURB V-DITCH
SEE DETAIL 14

SPEC LATERAL 'V' DITCH
SEE DETAIL 29

-Y35- STA. 10+00.00 =
-L- STA. 187+68.33

FLOWABLE FILL

GRADE to DRAIN

GRADE to DRAIN
FROM STA. 179+31 TO
STA. 180+42 -L- RT

REMOVE

10' DRAINAGE EASEMENT

HOMEWOOD WAY

SR 1009 OLD MONROE ROAD

WILLIAM A. LAUSTSEN & ALICIA M. LAUSTSEN
DB 1674 PG 430

CASSANDRA MAKOWSKI
DENNIS JAMES MAKOWSKI JR.
DB 7494 PG 490

ANDREY LASHTUR
DB 7392 PG 811

IGOR JURIC AND SAMANTHA JURIS AKA SAMANTHA M. JURIC, HUSBAND AND WIFE
DB 6699 PG 42

M. BRENT HUFFMAN AND WIFE KIMBERLY G. HUFFMAN
DB 1005 PG 501

KIMBERLY M. DELGADO
DB 7280 PG 872

JOSEPH C. LANE AND WIFE WENDY T. LANE
DB 1836 PG 458

BONNIE FAYE MARTIN AND KIMBERLY DAWN SIETMANN
DB 6082 PG 0734
PB 4 PG 189
LOT 4

BONNIE FAYE MARTIN AND KIMBERLY DAWN SIETMANN
DB 6082 PG 0734
PB 4 PG 189
LOT 3

BONNIE FAYE MARTIN AND KIMBERLY DAWN SIETMANN
DB 6082 PG 0734
PB 4 PG 189
LOT 5

BONNIE FAYE MARTIN AND KIMBERLY DAWN SIETMANN
DB 6082 PG 0734
PB 4 PG 189
LOT 6

HOMESALES INC.
DB 6208 PG 205
PB 4 PG 189
LOT 2

HOMESALES INC.
DB 6208 PG 205
PB 4 PG 189
LOT

RONALD LEE ALLED SEPERATED
DB 1825 PG 109
PB 4 PG 189
LOT 19

RONALD LEE ALLED SEPERATED
DB 1825 PG 109
PB 4 PG 189
LOT 20

TAE KYU PARK AND WIFE, OH SEON PARK
DB 1317 PG 658

IME INVESTMENTS GROUP, INC
DB 5405 PG 0517
PB 4 PG 189
LOT 1

IME INVESTMENTS GROUP, INC
DB 5405 PG 0517
PB 4 PG 189
LOT 2

IME INVESTMENTS GROUP, INC
DB 5405 PG 0517
PB 4 PG 189
LOT 4

COUCHELL PETER JR
PB 4 PG 189
LOT 5

COUCHELL PETER JR
PB 4 PG 189
LOT 6

END COUCHELL PETER JR
PB 4 PG 189
LOT 7

COUCHELL PETER JR
PB 4 PG 189
LOT 8

DAVID M SMITH & DEBBIE H SMITH
DB 3299 PG 0970
PB 4 PG 189
LOT 9

DAVID M SMITH & DEBBIE H SMITH
DB 3299 PG 0970
PB 4 PG 189
LOT 10

B.E. THOMPSON AND DEWEY THOMAS PRIEST
DB 0850 PG 0655
PB 4 PG 189
LOT 12

B.E. THOMPSON AND DEWEY THOMAS PRIEST
DB 0850 PG 0655
PB 4 PG 189
LOT 13

B.E. THOMPSON AND DEWEY THOMAS PRIEST
DB 0850 PG 0655
PB 4 PG 189
LOT 14

NJV ENTERPRISES, LLC
DB 8429 PG 866
PB 4 PG 189
LOT 17

NJV ENTERPRISES, LLC
DB 8429 PG 866
PB 4 PG 189
LOT 18

NJV ENTERPRISES, LLC
DB 8429 PG 866
PB 4 PG 189
LOT 19

NJV ENTERPRISES, LLC
DB 8429 PG 866
PB 4 PG 189
LOT 20

TIMOTHY L. SHERIN
DB 3025 PG 664
PB 4 PG 189
LOT 2

TIMOTHY L. SHERIN
DB 3025 PG 664
PB 4 PG 189
LOT 3

TIMOTHY L. SHERIN AND WIFE, DAWN M. SHERIN
DB 0916 PG 792
PB 7 PG 37A
LOT 5

RZR LOVE LLC
DB 8081PG 558
PB 7 PG 37A
LOT 6

ISBKD

ISFD

CONC

PUMP

161 161A 162 163 163Z 164 165 166 167 167Z 168 169 150 151 152 153 154 155 155Z 156 156Z 157 157Z 158 159 160

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	EC-23/CONST12
R/W SHEET NO.	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

NAD 83/NA 2011

8/17/99

REVISIONS

MATCHLINE –L– 192+00.00
SEE SHEET 11

END TIP PROJECT U-4714AC
BEGIN TIP PROJECT U-4714BA
–L– STA. 193+50.61

TIE TO STR #0401
TIP PROJ: U-4714B
DESIGNED BY OTHER

TIE TO STR #0408
TIP PROJ: U-4714B
DESIGNED BY OTHER

SIKES VAN HENERY AND LYNETTE G
PB A PG 50B
LOT 10

LUKENS JUDY E
DB 6706 PG 257
PB A PG 50B
LOT 11

RUSSELL DANNY K AND VIRGINIA
DB N/F PG N/F
PB A PG 50B
LOT 12

PHIFER BRENDA E
DB N/F PG N/F
PB A PG 50B
LOT 13

FREDERICK M. BUNICK AND WIFE
PATRICIA G. GABRIEL-BURNICK
DB 1639 PG 0293
PB A PG 50B
LOT 14

KRISTIN AREY
DB 6975 PG 677
PB A PG 50B
LOT 15

ERIK K ROWLETT AND WIFE
ISABEL RUEDA ABAD
DB 6005 PG 222

ROBERT M. SULLIVAN AND WIFE
SHARON L. SULLIVAN
DB 1653 PG 327

MATTHEW SMITH
DB 7247 PG 709
PB F PG 844

JACEK RUDZIEWICZ
DANKA RUDZIEWICZ
DB 3792 PG 326
PB F PG 844

DAVID L RAY
SUSAN A RAY
DB 1925 PG 671
PB F PG 844

CHRISTINE S GOODSON
DAVIS A GOODSON
DB 3187 PG 441
PB F PG 844

KIMBERLY A ELSASSER
DB 3681 PG 307
PB F PG 844

MORRY HUMPHREY
DB 6018 PG 858
PB F PG 844

MORNINGSIDE MEADOWS HOMEOWNERS ASSOCIATION, INC
DB 1414 PG 136
PB F PG 844

MARK DAVID BROOME
DB 7235 PG 204

STALLINGS POINTE, LLC
DB 7[illegible] 100

DAWN M. SHERIN
DB 4555 PG 131
PB 7 PG 37A
LOT 4

317 PROPERTIES, LLC
DB 5887 PG 181
PB 7 PG 37A
LOT 3

ALLEN POLE
DB 141 PG 344
PB 7 PG 37A
LOT 2

DANNY F. DUNN AND WIFE
JENNIFER J DUNN
DB 4142 PG 876
PB 7 PG 37A
LOT 1

JAMES HAMILTON TURNER, JR
DB 3524 PG 722

ANTONIOS K. PANOU
DB 911 PG 697

ANTONIOS K. PANOU
DB 858 PG 500

BRUCE R. MARX AND SPOUSE, LINDA L. MARX
DB 5941 PG 570

WILLIAM LARRY ALEXANDER
DB 7503 PG 411

DAMON S. BUTCHER AND WIFE, TIFFANY M. BUTCHER
DB 1349 PG 699

WILLIAM F. DEMOSS AND NANCY B. DEMOSS
DB 7131 PG 678

HAZEL FOSTER
DB N/F PG N/F

MAXWELL RICHARD MCWATERS
DB 7436 PG 537

LINA M. ALEXANDER
DB 1169 PG 823

RICHARD P. BROOME
DB 365 PG 477

YAMASA CO., LTD.
DB 7531 PG 455

TERRY B. CARTON AND WIFE, TARA A. CARTON

TUSCRUM PROPERTY MANAGEMENT LLC
DB 4772 PG 275

BLUEBONNET LN

MORNINGSIDE MEADOW LN

Duke Energy Progress

Piedmont Natural Gas Company, Inc.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION AS DIRECTED BY THE ENGINEER IN LIEU OF ROCK INLET SEDIMENT TRAP, TYPE-C TO PREVENT IMPOUNDING RUNOFF IN ROADWAYS OPEN TO THE PUBLIC.

6/26/2026
U4714AC_EC_dsn_psh_23_fg.dgn
pshipley