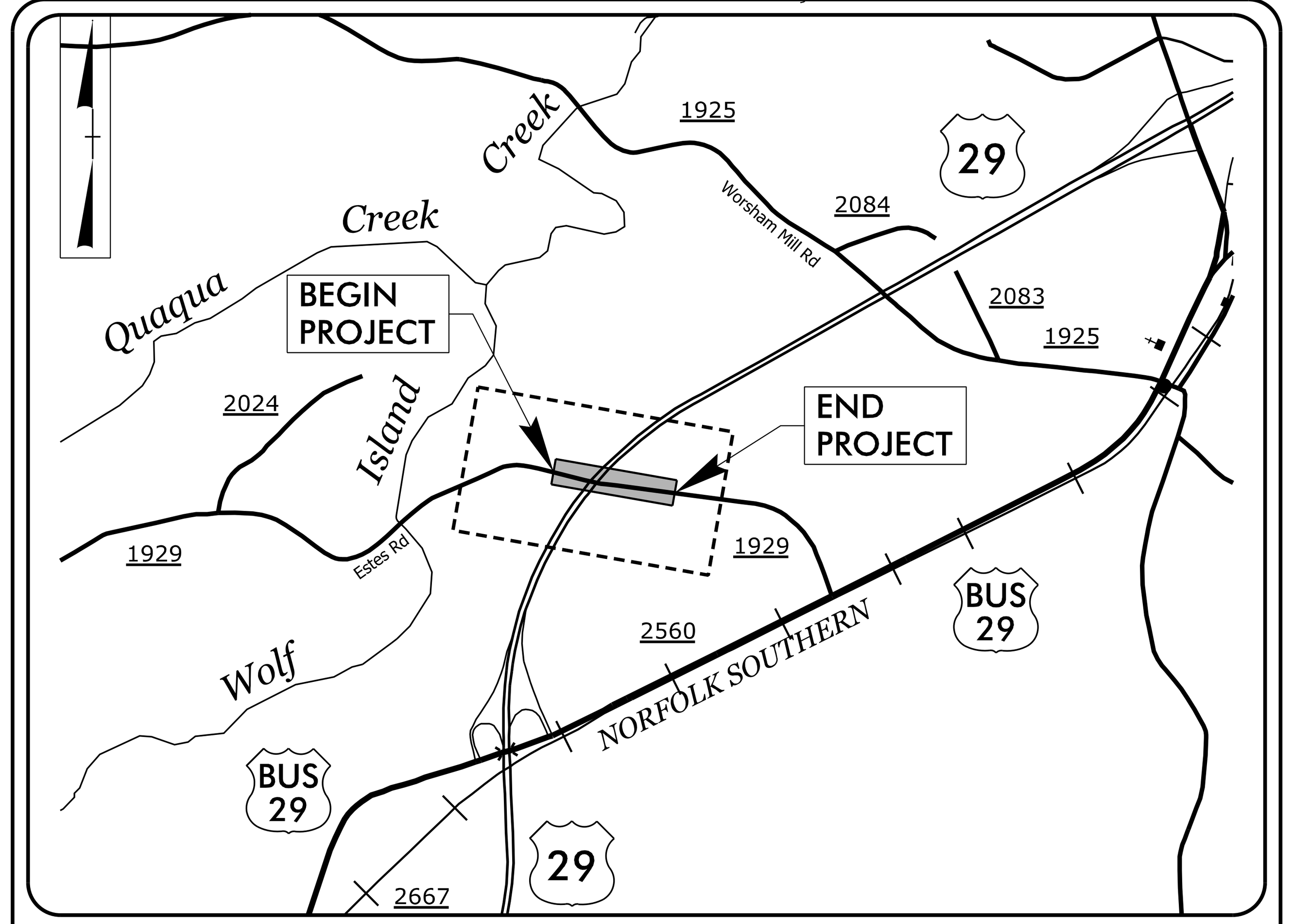
TIP PROJECT: BR-0097

See Sheet 1B For Conventional Symbols



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0097	EC-1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
67097.1.1	N/A	PE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

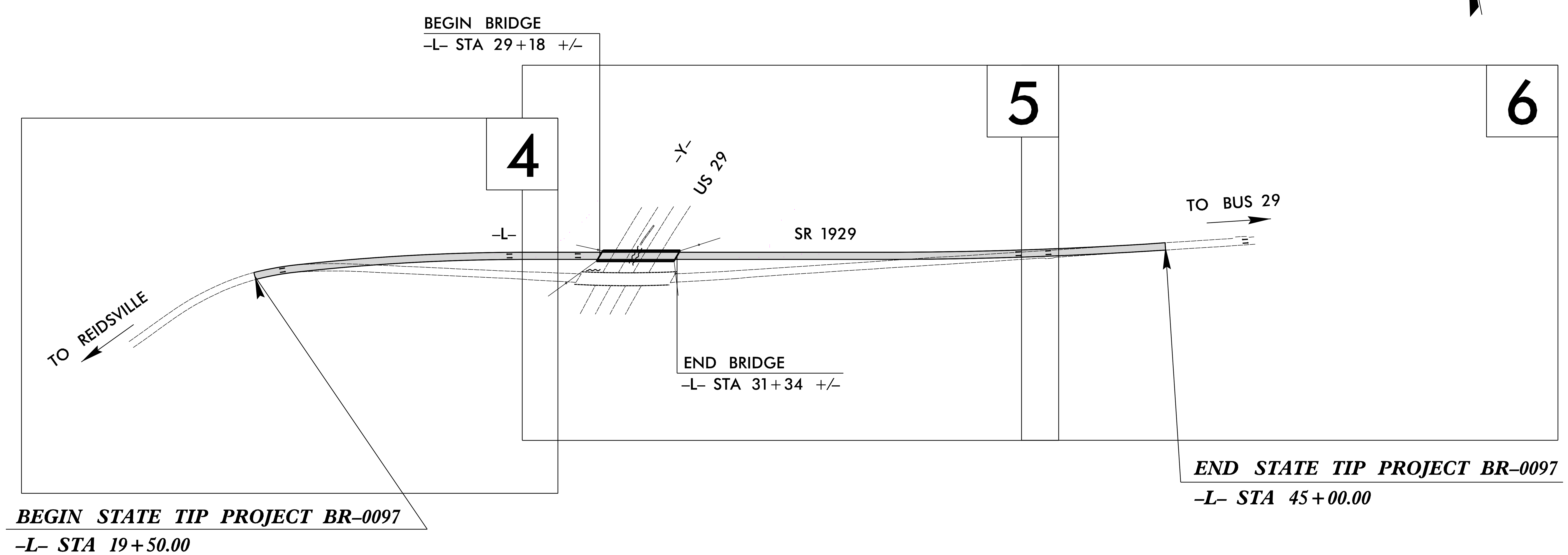
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

ROCKINGHAM COUNTY

LOCATION: BRIDGE NO. 780178 ON SR 1929 OVER US 29

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURES

NAD 83NA 2011



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

THERE IS NO CONTROL OF ACCESS ON THIS PROJECT.

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II

GRAPHIC SCALE

50 25 0 50 100

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.

moffatt & nichol

Prepared In the Office of:

MOFFATT & NICHOL
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
(919)781-4626 PHONE (919)781-4869 FAX

Designed by:

KHALIL GOODMAN 4575
NAME LEVEL III CERTIFICATION NO.

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.

DIVISION OF HIGHWAYS

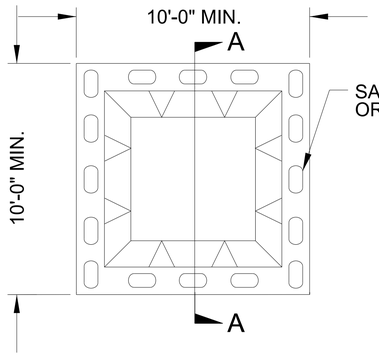
PROJECT REFERENCE NO.	SHEET NO.
BR-0097	EC-2
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

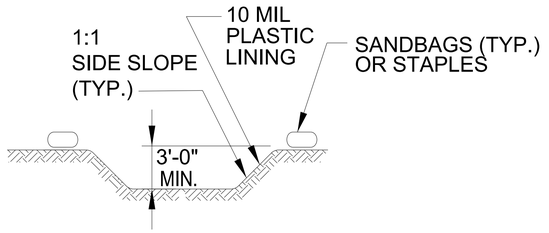
Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1634.01	Temporary Rock Sediment Dam Type A	
1634.02	Temporary Rock Sediment Dam Type B	
1635.01	Rock Pipe Inlet 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.
BR-0097	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



PLAN



SECTION A-A

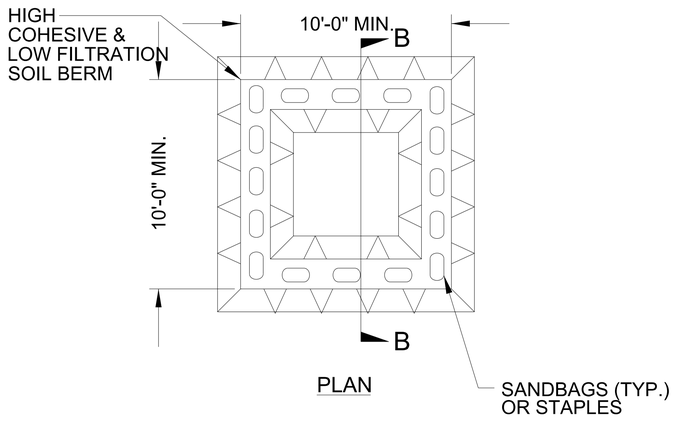
NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

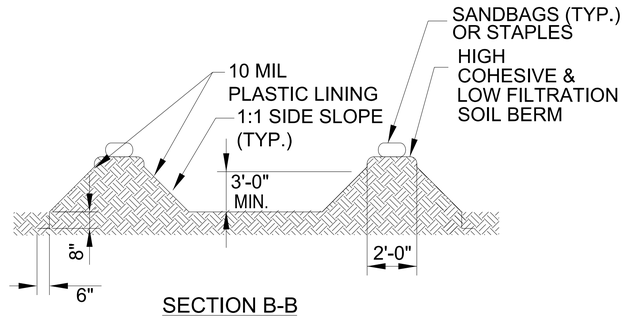
2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

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

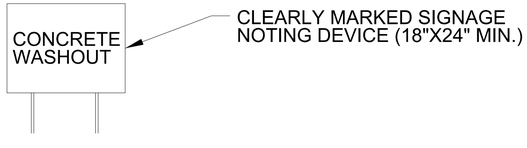
BELOW GRADE WASHOUT STRUCTURE

NOT TO SCALE





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 CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

ABOVE GRADE WASHOUT STRUCTURE

NOT TO SCALE

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
BR-0097	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)
4	L	21+21	22+75	RT	410
4	L	22+75	23+48	RT	225
4	L	23+48	23+90	RT	115
4	L	23+90	26+15	RT	430
4	L	26+15	28+50	RT	360
5	L	33+15	35+69	LT	585
5	L	35+69	40+32	LT	890
5	L	40+62	42+44	LT	280
6	L	42+74	43+50	LT	120
SUBTOTAL STRAW					3,415
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					6,500
TOTAL MATTING FOR EROSION CONTROL					9,915
SAY					10,000

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)

Q:\RA\10011-110\BR-0097\Roadside\PSH\BR0097_REV_EC03A_PSH_03A.dgn

8/17/95

PROJECT REFERENCE NO.	SHEET NO.
BR-0097	EC-3B
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 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

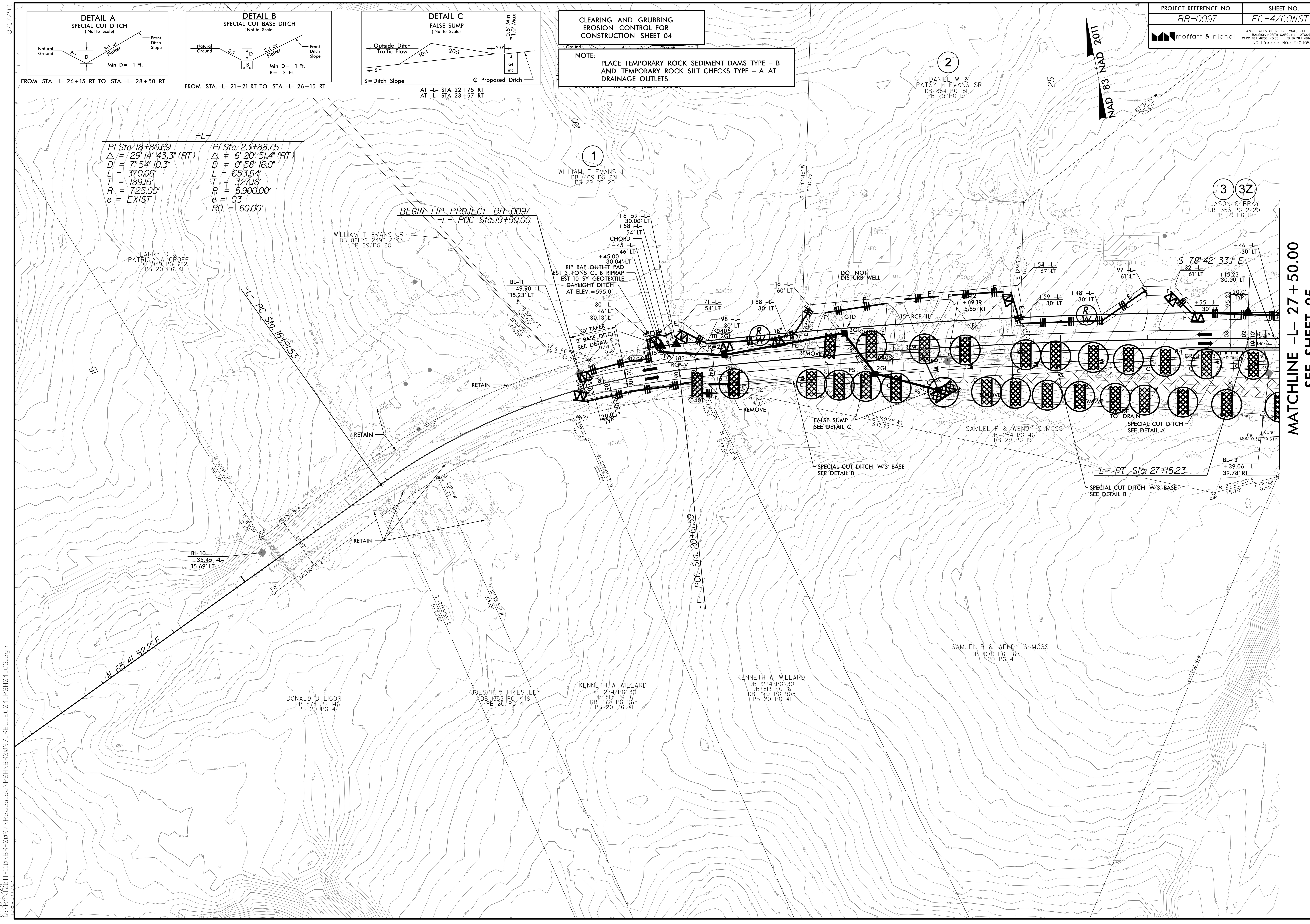
6/5/2024
G:\NCDOT\2011-110\BR-0097\Roadside\PSH\BR0097_REV_EC03B_PSH_03B.dgn
dsavenport

PROJECT REFERENCE NO.	SHEET NO.
BR-0097	EC-4/CONST.4

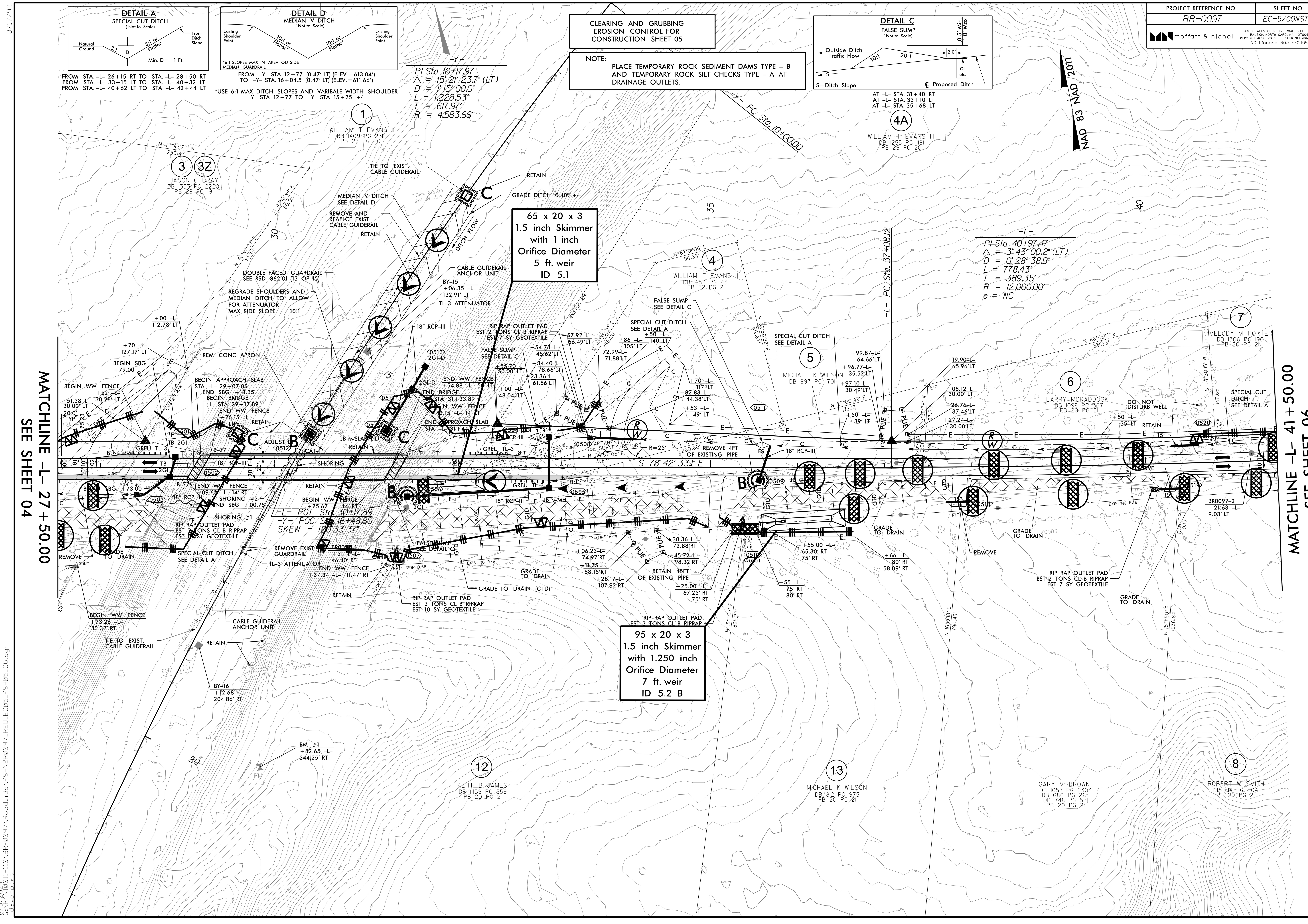
moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
NC License NO.: F-0105

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 04

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



DETAIL A
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground
3:1
D
3:1 or Flatter
Front Ditch Slope
Min. D = 1 Ft.
FROM STA. -L- 26+15 RT TO STA. -L- 28+50 RT
DETAIL B
SPECIAL CUT BASE DITCH
(Not to Scale)
Min. D = 1 Ft.
B = 3 Ft.
FROM STA. -L- 21+21 RT TO STA. -L- 26+15 RT
DETAIL C
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow
10:1
20:1
0.5' Min. 1.0' Max
2.0'
S = Ditch Slope
℄ Proposed Ditch
AT -L- STA. 22+75 RT
AT -L- STA. 23+57 RT
-L-
PI Sta 18+80.69
Δ = 29° 14' 43.3" (RT)
D = 7° 54' 10.3"
L = 370.06'
T = 189.15'
R = 725.00'
e = EXIST
PI Sta 23+88.75
Δ = 6° 20' 51.4" (RT)
D = 0° 58' 16.0"
L = 653.64'
T = 327.16'
R = 5,900.00'
e = 03
RO = 60.00'
BEGIN TIP PROJECT BR-0097
-L- POC Sta.19+50.00
-L- PC Sta.16+91.53
-L- PCC Sta. 20+61.59
-L- PT Sta. 27+15.23
MATCHLINE -L- 27+50.00
SEE SHEET 05
NAD 83 NAD 2011
WILLIAM T EVANS III
DB 1409 PG 2311
PB 29 PG 20
DANIEL W & PATSY H EVANS SR
DB 884 PG 151
PB 29 PG 19
JASON C BRAY
DB 1353 PG 2220
PB 29 PG 19
WILLIAM T EVANS JR
DB 881 PG 2492-2493
PB 29 PG 20
LARRY R & PATRICIA A GROFF
DB 939 PG 782
PB 20 PG 41
SAMUEL P & WENDY S MOSS
DB 1254 PG 46
PB 29 PG 19
SAMUEL P & WENDY S MOSS
DB 1079 PG 767
PB 20 PG 41
DONALD D LIGON
DB 878 PG 146
PB 20 PG 41
JOESPH V PRIESTLEY
DB 1355 PG 1448
PB 20 PG 41
KENNETH W WILLARD
DB 1274 PG 30
DB 813 PG 16
DB 770 PG 968
PB 20 PG 41
RIP RAP OUTLET PAD
EST 3 TONS CL B RIPRAP
EST 10 SY GEOTEXTILE
DAYLIGHT DITCH
AT ELEV. = 595.0'
50' TAPER
2' BASE DITCH
SEE DETAIL E
BL-11
+49.90 -L-
15.23' LT
BL-10
+35.45 -L-
15.69' LT
BL-13
+39.06 -L-
39.78' RT
DO NOT DISTURB WELL
FALSE SUMP
SEE DETAIL C
SPECIAL CUT DITCH W/3' BASE
SEE DETAIL B
SPECIAL CUT DITCH
SEE DETAIL A
RETAIN
REMOVE
S 78° 42' 33.1" E
N 65° 41' 52.2" E


PROJECT REFERENCE NO. BR-0097
SHEET NO. EC-5/CONST.5
moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300 RALEIGH, NORTH CAROLINA 27609
NC License No.: F-0105
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 05
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.
DETAIL A
SPECIAL CUT DITCH
(Not to Scale)
FROM STA. –L– 26+15 RT TO STA. –L– 28+50 RT
FROM STA. –L– 33+15 LT TO STA. –L– 40+32 LT
FROM STA. –L– 40+62 LT TO STA. –L– 42+44 LT
DETAIL D
MEDIAN V DITCH
(Not to Scale)
FROM –Y– STA. 12+77 (0.47' LT) (ELEV.=613.04')
TO –Y– STA. 16+04.5 (0.47' LT) (ELEV.=611.66')
*USE 6:1 MAX DITCH SLOPES AND VARIBALE WIDTH SHOULDER –Y– STA 12+77 TO –Y– STA 15+25 +/-
DETAIL C
FALSE SUMP
(Not to Scale)
AT –L– STA. 31+40 RT
AT –L– STA. 33+10 LT
AT –L– STA. 35+68 LT
NAD 83 NAD 2011
–Y–
PI Sta 16+17.97
Δ = 15° 21' 23.7" (LT)
D = 1° 15' 00.0"
L = 1,228.53'
T = 617.97'
R = 4,583.66'
–L–
PI Sta 40+97.47
Δ = 3° 43' 00.2" (LT)
D = 0° 28' 38.9"
L = 778.43'
T = 389.35'
R = 12,000.00'
e = NC
65 x 20 x 3
1.5 inch Skimmer
with 1 inch
Orifice Diameter
5 ft. weir
ID 5.1
95 x 20 x 3
1.5 inch Skimmer
with 1.250 inch
Orifice Diameter
7 ft. weir
ID 5.2 B
MATCHLINE –L– 27+50.00
SEE SHEET 04
MATCHLINE –L– 41+50.00
SEE SHEET 06
WILLIAM T EVANS III DB 1409 PG 231 PB 29 PG 20
JASON C BRAY DB 1353 PG 2220 PB 29 PG 19
WILLIAM T EVANS III DB 1254 PG 43 PB 32 PG 2
WILLIAM T EVANS III DB 1255 PG 1181 PB 29 PG 20
MICHAEL K WILSON DB 897 PG 1701
LARRY MCRADDOCK DB 1098 PG 357 PB 20 PG 21
MELODY M PORTER DB 1306 PG 190 PB 20 PG 21
KEITH B JAMES DB 1439 PG 559 PB 20 PG 21
MICHAEL K WILSON DB 812 PG 975 PB 20 PG 21
GARY M BROWN DB 1057 PG 2304 DB 680 PG 265 DB 748 PG 571 PB 20 PG 21
ROBERT W SMITH DB 814 PG 804 PB 20 PG 21
–L– POT Sta. 30+17.89
–Y– POC Sta. 16+48.80
SKEW = 120°33'37"
S 78° 42' 33" E
BM #1 +82.65 –L– 344.25' RT

PROJECT REFERENCE NO.	SHEET NO.
BR-0097	EC-6/CONST.6

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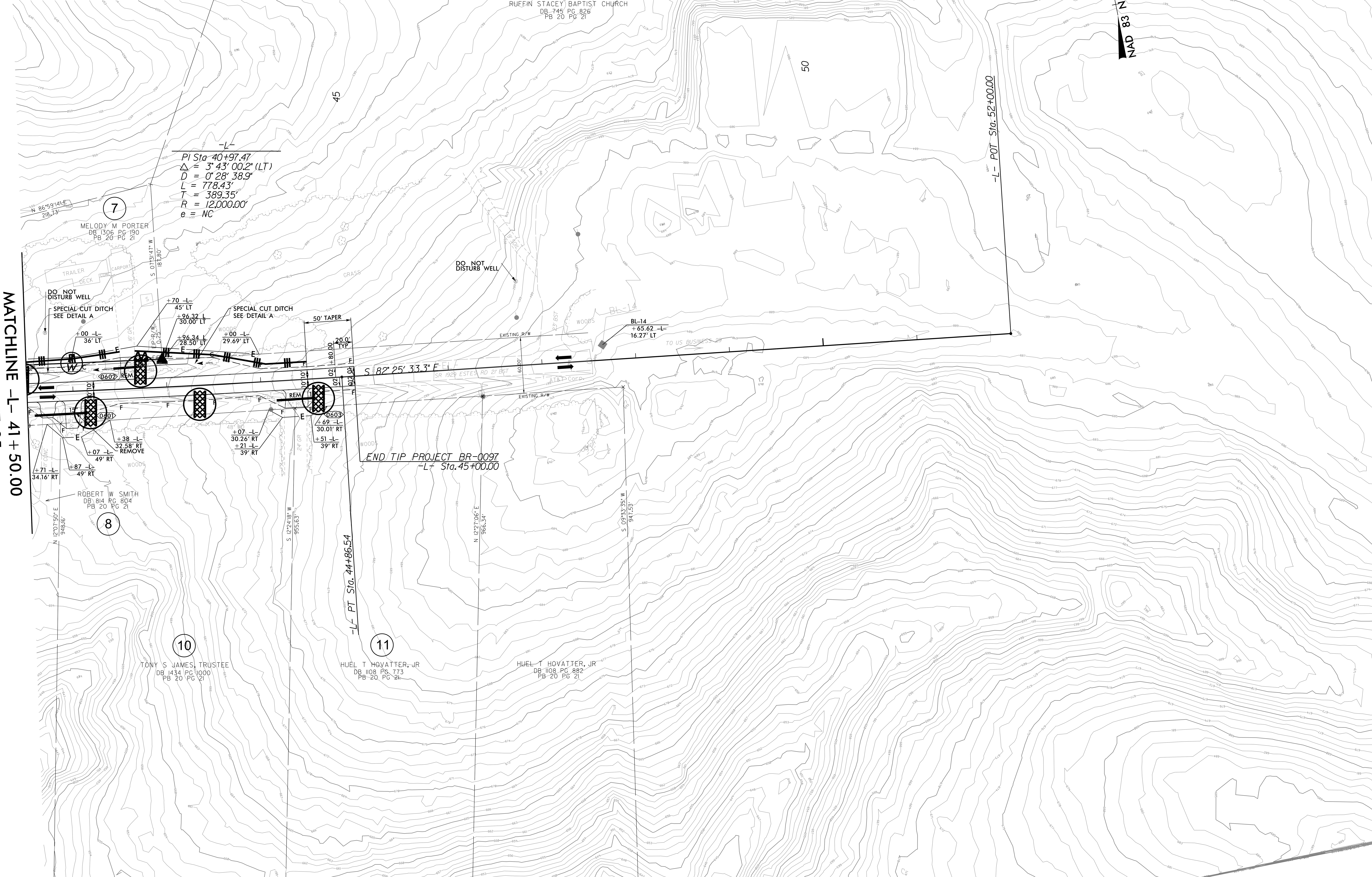
NC License NO.: F-0105

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.

DETAIL A
SPECIAL CUT DITCH
(Not to Scale)

FROM STA. -L- 40+62 LT TO STA. -L- 42+44 LT
FROM STA. -L- 42+74 LT TO STA. -L- 43+50 LT



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6/5/2024
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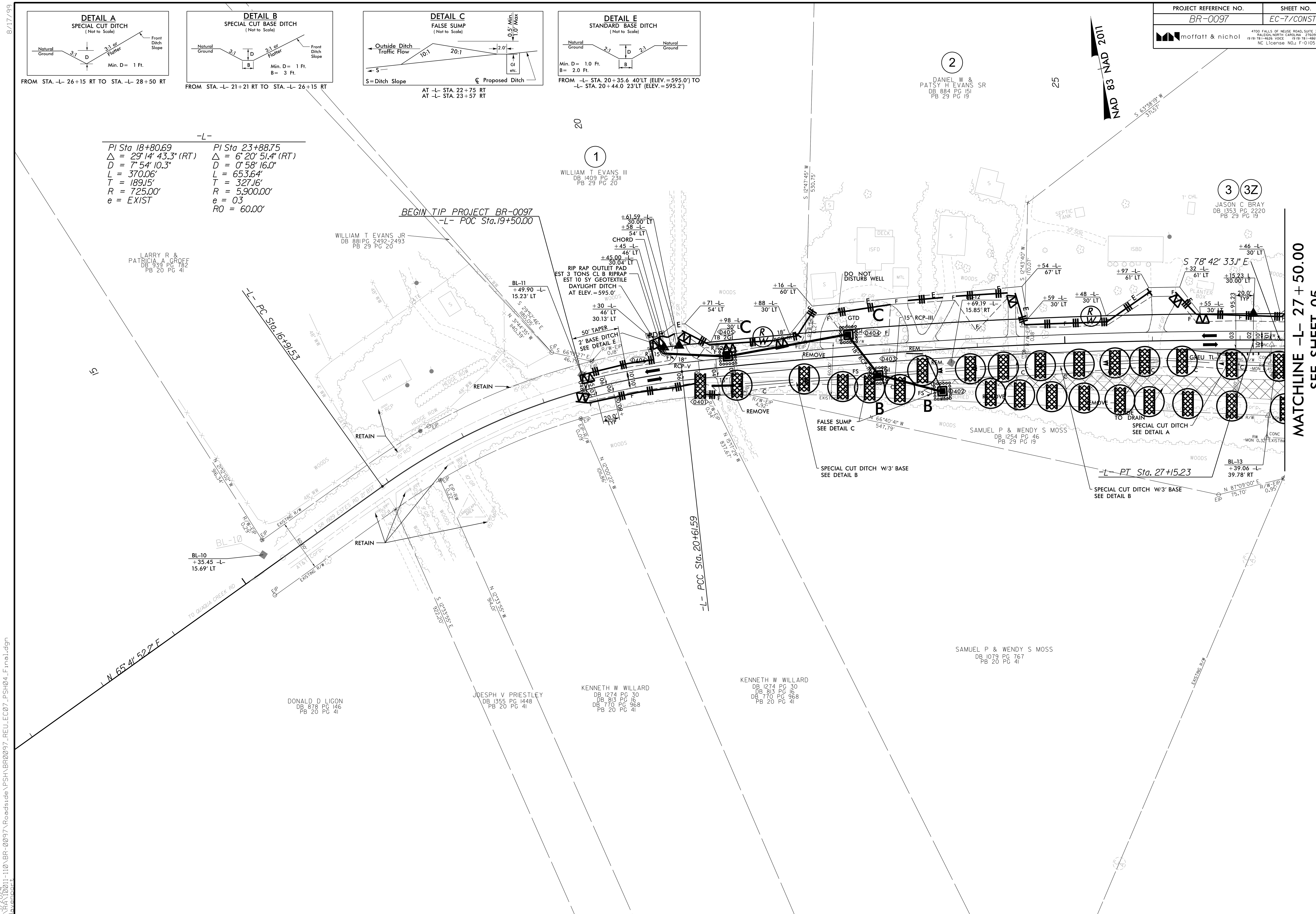

PROJECT REFERENCE NO.
BR-0097
SHEET NO.
EC-7/CONST.4
moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300 RALEIGH, NORTH CAROLINA 27609
NC License NO.: F-0105
DETAIL A
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground
3:1
3:1 or Flatter
Front Ditch Slope
Min. D = 1 Ft.
FROM STA. -L- 26+15 RT TO STA. -L- 28+50 RT
DETAIL B
SPECIAL CUT BASE DITCH
(Not to Scale)
Min. D = 1 Ft.
B = 3 Ft.
FROM STA. -L- 21+21 RT TO STA. -L- 26+15 RT
DETAIL C
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow
10:1
20:1
0.5' Min. 1.0' Max
2.0'
GI etc.
S=Ditch Slope
℄ Proposed Ditch
AT -L- STA. 22+75 RT
AT -L- STA. 23+57 RT
DETAIL E
STANDARD BASE DITCH
(Not to Scale)
2:1
Min. D = 1.0 Ft.
B = 2.0 Ft.
FROM -L- STA. 20+35.6 40'LT (ELEV.=595.0') TO -L- STA. 20+44.0 23'LT (ELEV.=595.2')
-L-
PI Sta 18+80.69
Δ = 29° 14' 43.3" (RT)
D = 7° 54' 10.3"
L = 370.06'
T = 189.15'
R = 725.00'
e = EXIST
PI Sta 23+88.75
Δ = 6° 20' 51.4" (RT)
D = 0° 58' 16.0"
L = 653.64'
T = 327.16'
R = 5,900.00'
e = 03
RO = 60.00'
BEGIN TIP PROJECT BR-0097
-L- POC Sta.19+50.00
-L- PC Sta.16+91.53
-L- PCC Sta. 20+61.59
-L- PT Sta. 27+15.23
MATCHLINE -L- 27+50.00
SEE SHEET 05
NAD 83 NAD 2011
WILLIAM T EVANS III
DB 1409 PG 2311
PB 29 PG 20
DANIEL W & PATSY H EVANS SR
DB 884 PG 151
PB 29 PG 19
JASON C BRAY
DB 1353 PG 2220
PB 29 PG 19
WILLIAM T EVANS JR
DB 881PG 2492-2493
PB 29 PG 20
LARRY R & PATRICIA A GROFF
DB 939 PG 782
PB 20 PG 41
SAMUEL P & WENDY S MOSS
DB 1254 PG 46
PB 29 PG 19
SAMUEL P & WENDY S MOSS
DB 1079 PG 767
PB 20 PG 41
DONALD D LIGON
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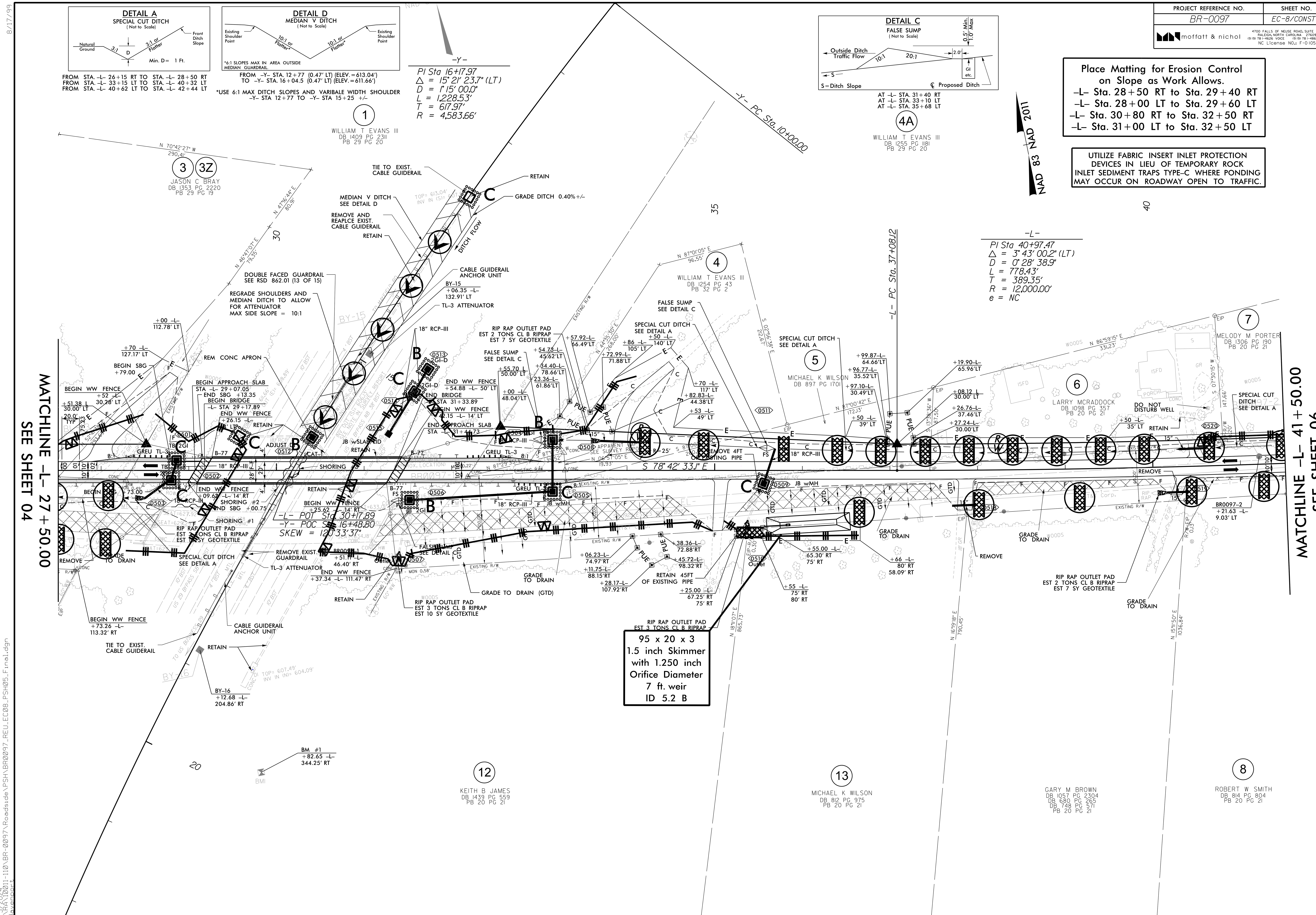
JOESPH V PRIESTLEY
DB 1355 PG 1448
PB 20 PG 41
KENNETH W WILLARD
DB 1274 PG 30
DB 813 PG 16
DB 770 PG 968
PB 20 PG 41
RIP RAP OUTLET PAD
EST 3 TONS CL B RIPRAP
EST 10 SY GEOTEXTILE
DAYLIGHT DITCH
AT ELEV. = 595.0'
50' TAPER
2' BASE DITCH
SEE DETAIL E
DO NOT DISTURB WELL
FALSE SUMP
SEE DETAIL C
SPECIAL CUT DITCH W/3' BASE
SEE DETAIL B
SPECIAL CUT DITCH
SEE DETAIL A
RETAIN
REMOVE
BL-10
+35.45 -L-
15.69' LT
BL-11
+49.90 -L-
15.23' LT
BL-13
+39.06 -L-
39.78' RT
S 78° 42' 33.1" E
N 65° 41' 52.2" E
WOODS


PROJECT REFERENCE NO.
BR-0097
SHEET NO.
EC-8/CONST.5
moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300 RALEIGH, NORTH CAROLINA 27609
(919) 781-4626 VOICE (919) 781-4869 FAX
NC License NO.: F-0105
DETAIL A
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground
3:1
D
3:1 or Flatter
Front Ditch Slope
Min. D= 1 Ft.
FROM STA. -L- 26+15 RT TO STA. -L- 28+50 RT
FROM STA. -L- 33+15 LT TO STA. -L- 40+32 LT
FROM STA. -L- 40+62 LT TO STA. -L- 42+44 LT
DETAIL D
MEDIAN V DITCH
(Not to Scale)
Existing Shoulder Point
10:1 or Flatter*
*6:1 SLOPES MAX IN AREA OUTSIDE MEDIAN GUARDRAIL.
FROM -Y- STA. 12+77 (0.47' LT) (ELEV.=613.04')
TO -Y- STA. 16+04.5 (0.47' LT) (ELEV.=611.66')
*USE 6:1 MAX DITCH SLOPES AND VARIBALE WIDTH SHOULDER -Y- STA 12+77 TO -Y- STA 15+25 +/-
DETAIL C
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow
10:1
20:1
2.0'
0.5' Min. 1.0' Max
GI etc.
S
S=Ditch Slope
℄ Proposed Ditch
AT -L- STA. 31+40 RT
AT -L- STA. 33+10 LT
AT -L- STA. 35+68 LT
Place Matting for Erosion Control on Slope as Work Allows.
-L- Sta. 28+50 RT to Sta. 29+40 RT
-L- Sta. 28+00 LT to Sta. 29+60 LT
-L- Sta. 30+80 RT to Sta. 32+50 RT
-L- Sta. 31+00 LT to Sta. 32+50 LT
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF TEMPORARY ROCK INLET SEDIMENT TRAPS TYPE-C WHERE PONDING MAY OCCUR ON ROADWAY OPEN TO TRAFFIC.
NAD 83 NAD 2011
-Y-
PI Sta 16+17.97
Δ = 15° 21' 23.7" (LT)
D = 1° 15' 00.0"
L = 1,228.53'
T = 617.97'
R = 4,583.66'
-Y- PC Sta. 10+00.00
-L-
PI Sta 40+97.47
Δ = 3° 43' 00.2" (LT)
D = 0° 28' 38.9"
L = 778.43'
T = 389.35'
R = 12,000.00'
e = NC
-L- PC Sta. 37+08.12
-L- POT Sta. 30+17.89
-Y- POC Sta. 16+48.80
SKEW = 120°33'37"
S 78° 42' 33.1" E
1 WILLIAM T EVANS III DB 1409 PG 2311 PB 29 PG 20
3 3Z JASON C BRAY DB 1353 PG 2220 PB 29 PG 19
4 WILLIAM T EVANS III DB 1254 PG 43 PB 32 PG 2
4A WILLIAM T EVANS III DB 1255 PG 1181 PB 29 PG 20
5 MICHAEL K WILSON DB 897 PG 1701
6 LARRY MCRADDOCK DB 1098 PG 357 PB 20 PG 21
7 MELODY M PORTER DB 1306 PG 190 PB 20 PG 21
8 ROBERT W SMITH DB 814 PG 804 PB 20 PG 21
12 KEITH B JAMES DB 1439 PG 559 PB 20 PG 21
13 MICHAEL K WILSON DB 812 PG 975 PB 20 PG 21
GARY M BROWN DB 1057 PG 2304 DB 680 PG 265 DB 748 PG 571 PB 20 PG 21
MATCHLINE -L- 27+50.00 SEE SHEET 04
MATCHLINE -L- 41+50.00 SEE SHEET 06
TIE TO EXIST. CABLE GUIDERAIL
RETAIN
GRADE DITCH 0.40%+/-
MEDIAN V DITCH SEE DETAIL D
REMOVE AND REAPLCE EXIST. CABLE GUIDERAIL
DITCH FLOW
CABLE GUIDERAIL ANCHOR UNIT
BY-15 +06.35 -L- 132.91' LT
TL-3 ATTENUATOR
DOUBLE FACED GUARDRAIL SEE RSD 862.01 (13 OF 15)
REGRADE SHOULDERS AND MEDIAN DITCH TO ALLOW FOR ATTENUATOR MAX SIDE SLOPE = 10:1
18" RCP-III
RIP RAP OUTLET PAD EST 2 TONS CL B RIPRAP EST 7 SY GEOTEXTILE
FALSE SUMP SEE DETAIL C
SPECIAL CUT DITCH SEE DETAIL A
BEGIN APPROACH SLAB STA -L- 29+07.05
END SBG +13.35
BEGIN BRIDGE -L- STA 29+17.89
END WW FENCE +26.15 -L- 14' LT
END WW FENCE +54.88 -L- 50' LT
END BRIDGE STA 31+33.89
BEGIN WW FENCE +42.15 -L- 14' LT
END APPROACH SLAB STA -L- 31+44.73
BEGIN SBG +79.00
BEGIN WW FENCE +52 -L- 30.28' LT
REM CONC APRON
END WW FENCE +09.62 -L- 14' RT
SHORING #2
END SBG +00.75
SHORING #1
BEGIN WW FENCE +25.62 -L- 14' RT
REMOVE EXIST. GUARDRAIL
END WW FENCE +37.34 -L- 111.47' RT
BEGIN WW FENCE +73.26 -L- 113.32' RT
RIP RAP OUTLET PAD EST 3 TONS CL B RIPRAP EST 10 SY GEOTEXTILE
GRADE TO DRAIN (GTD)
RETAIN 45FT OF EXISTING PIPE
REMOVE 4FT OF EXISTING PIPE
RIP RAP OUTLET PAD EST 3 TONS CL B RIPRAP
95 x 20 x 3
1.5 inch Skimmer
with 1.250 inch
Orifice Diameter
7 ft. weir
ID 5.2 B
DO NOT DISTURB WELL
BY-16 +12.68 -L- 204.86' RT
BM #1 +82.65 -L- 344.25' RT
BR0097-2 +21.63 -L- 9.03' LT
6/5/2024
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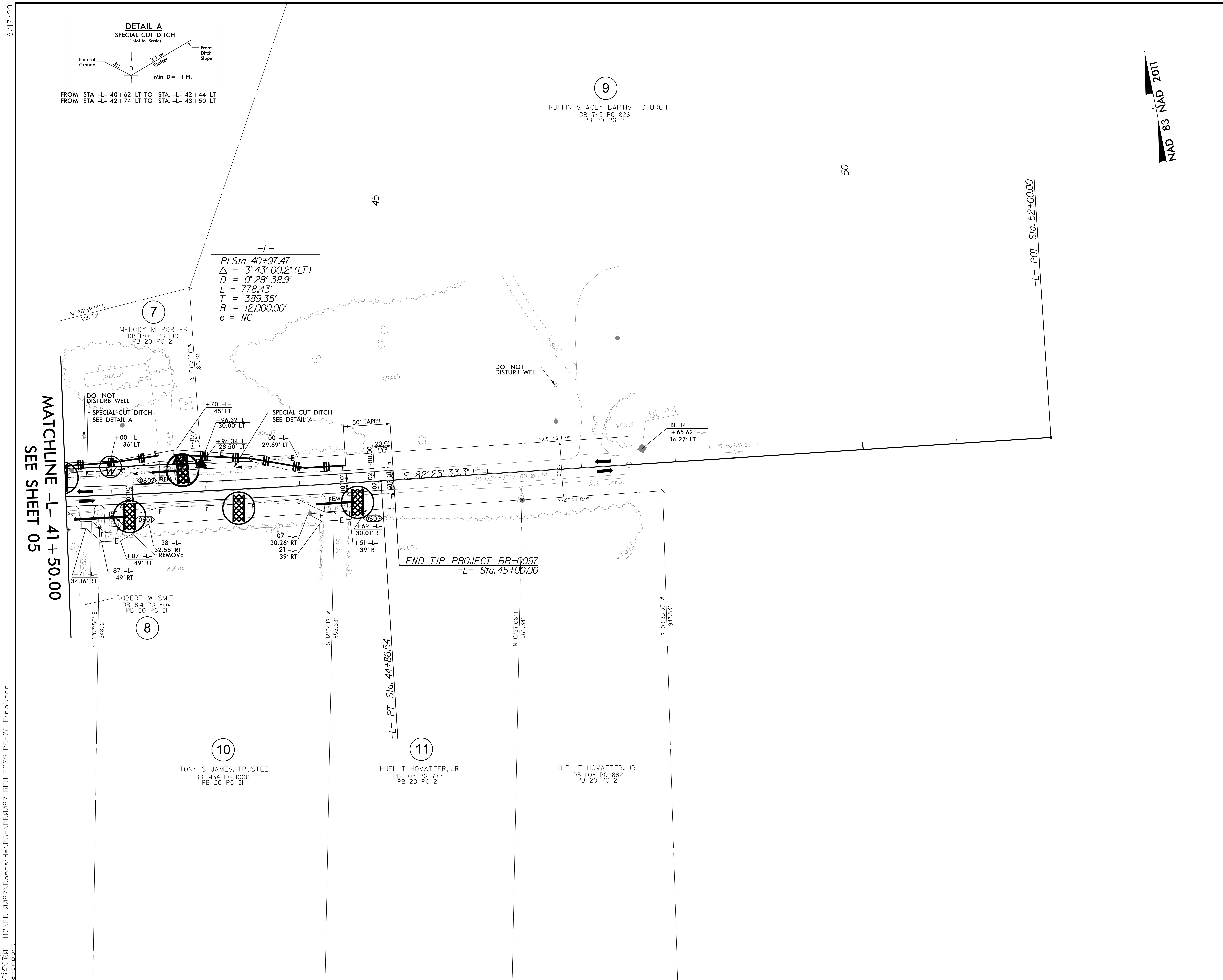
jdavenport
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
BR-0097	EC-9/CONST.6

moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
NC License NO.: F-0105



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6/5/2024
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davenport