TIP PROJECT: B-3637

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3637	EC-1	

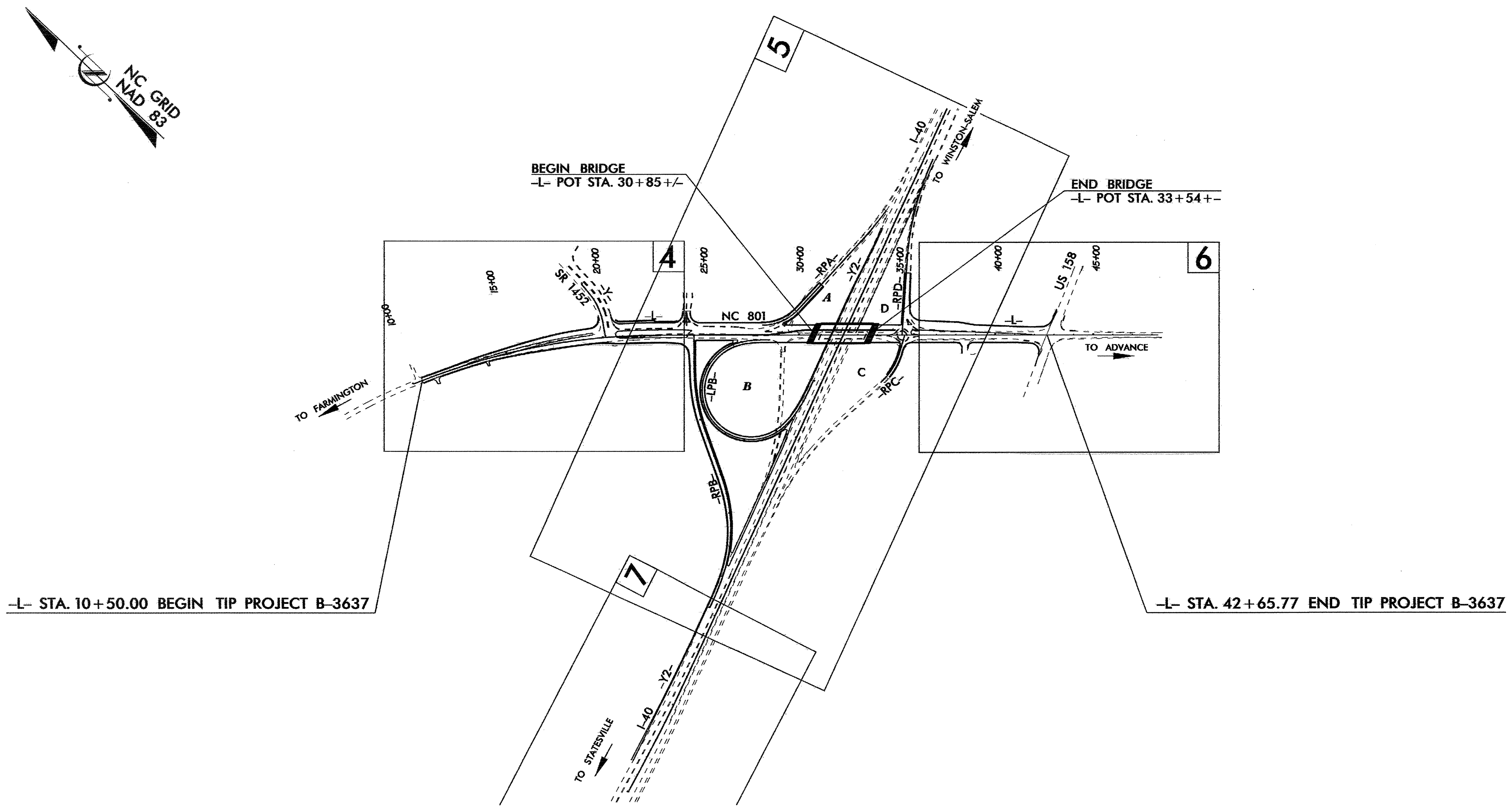
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

DAVIE COUNTY

LOCATION: BRIDGE NO. 37 OVER I-40 ON NC 801
TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURE, AND SIGNALS



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation	
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	
1630.01	Riser Basin	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-B	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	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	

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

GRAPHIC SCALE

0
PLANS

0
PROFILE (HORIZONTAL)

0
PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

Prepared In the Office of:

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

2006 STANDARD SPECIFICATIONS

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"– Roadway Design Unit – N. C. Department of Transportation – Raleigh, N. C., dated July 18, 2006 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence
1607.01 Gravel Construction Entrance
1622.01 Temporary Berms and Slope Drains
1630.02 Silt Basin Type B
1630.03 Temporary Silt Ditch
1630.05 Temporary Diversion
1632.03 Rock Inlet Sediment Trap Type C
1633.01 Temporary Rock Silt Check Type A
1634.01 Temporary Rock Sediment Dam Type A
1635.01 Rock Pipe Inlet Sediment Trap Type A

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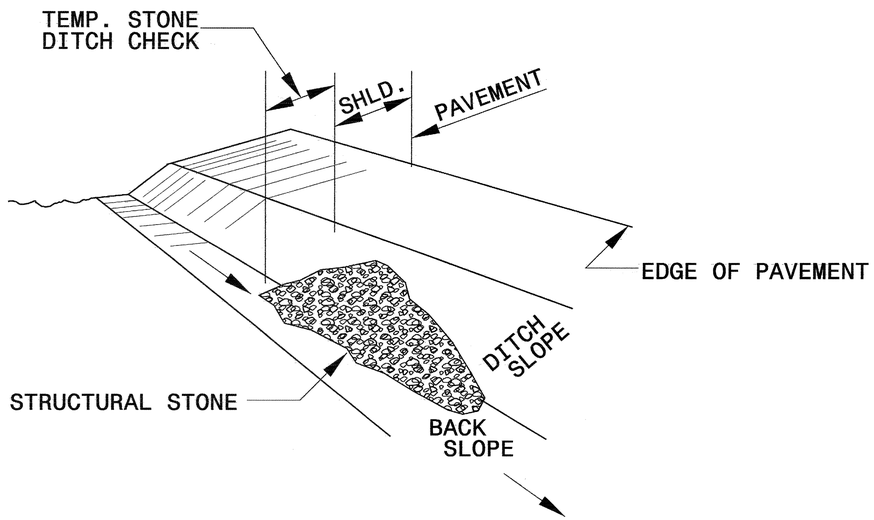
PROJECT REFERENCE NO.	SHEET NO.
B-3637	EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

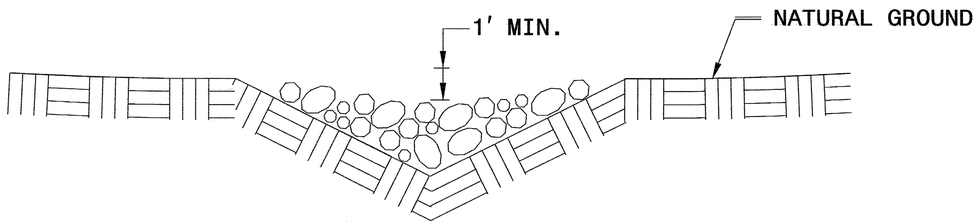


ISOMETRIC VIEW

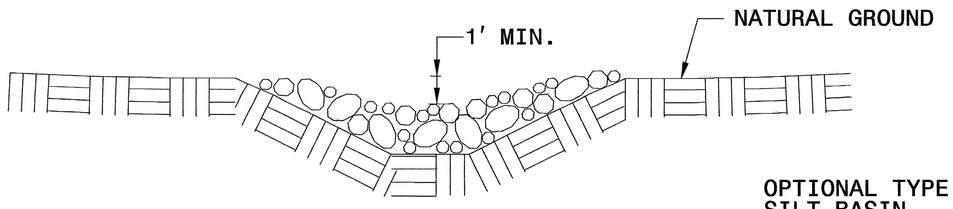
NOTES:

USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

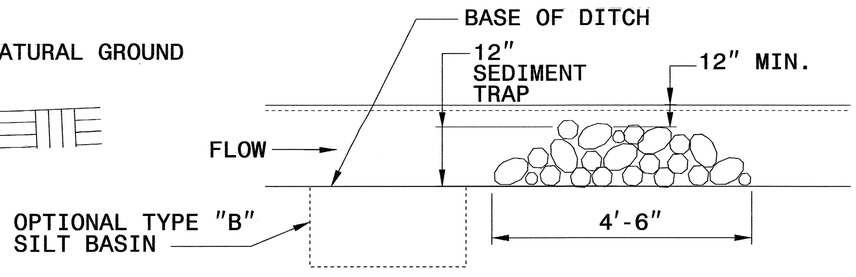
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



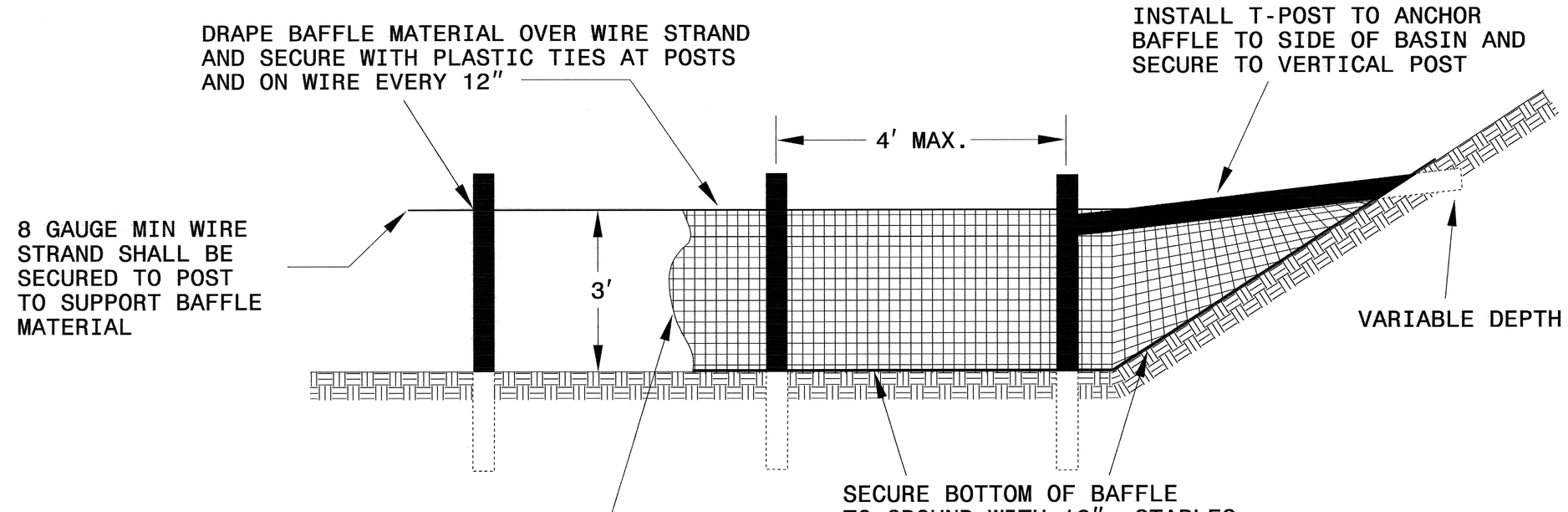
CROSS SECTION TRAPEZOIDAL DITCH

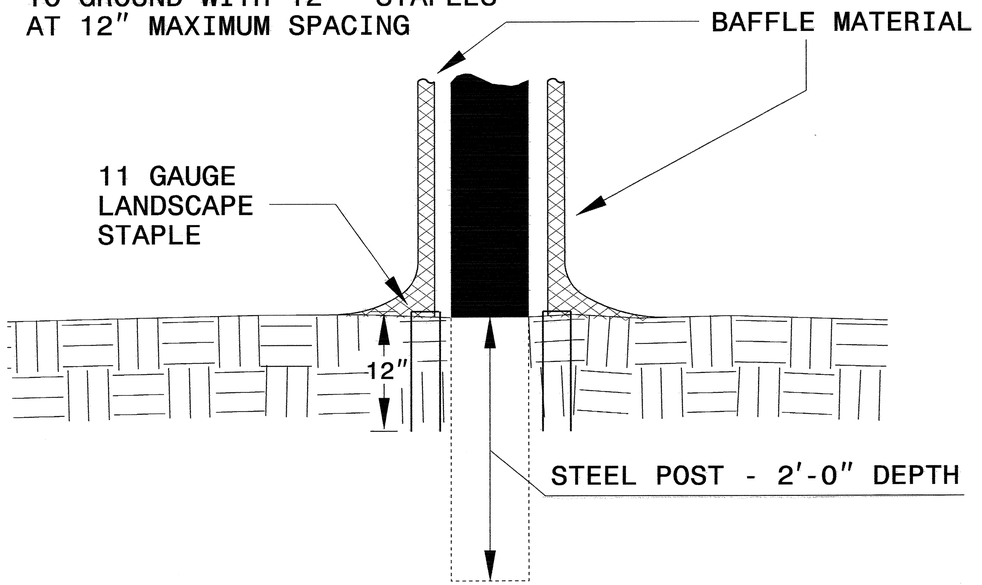


ELEVATION VIEW

PROJECT REFERENCE NO.	SHEET NO.
B-3637	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL



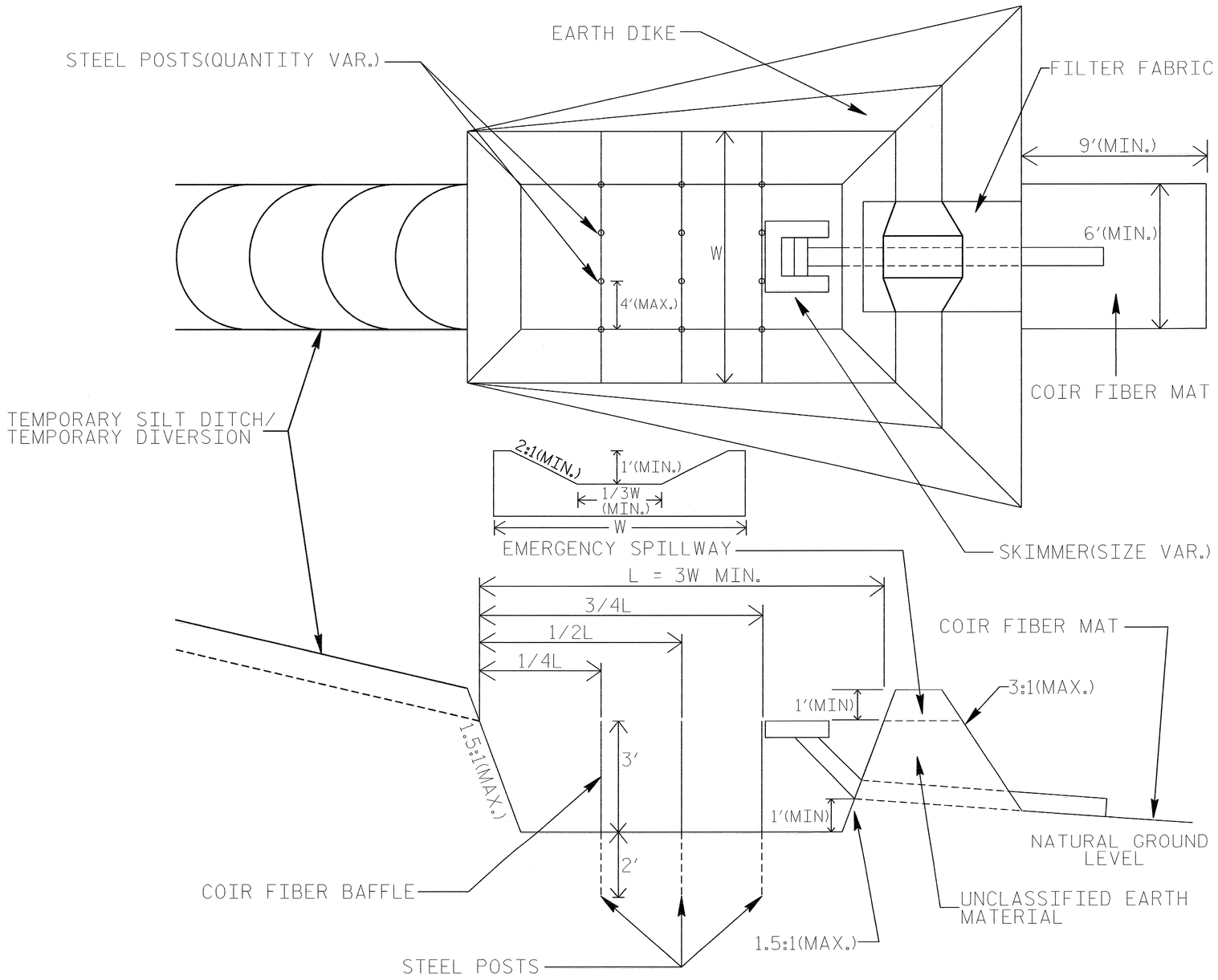


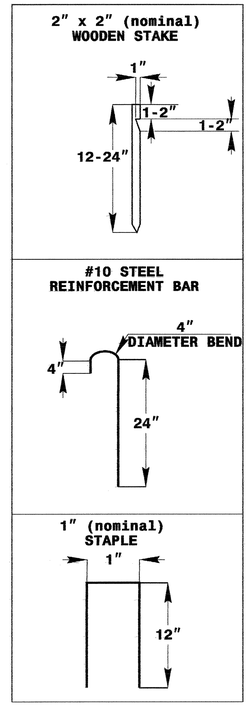
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12″ LANDSCAPE STAPLES

NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF ¼ THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF 1/3 THE BASIN LENGTH.

PROJECT REFERENCE NO.	SHEET NO.
B-3637	EC-2B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL





COIR FIBER MAT ANCHOR OPTIONS

PROJECT REFERENCE NO.	SHEET NO.
B-3637	EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-L-	10+50	14+00	LT	590
4	-L-	17+50	19+50	LT	405
4	-L-	10+50	13+50	RT	575
4	-L-	17+00	19+50	RT	455
5	-L-	23+00	24+00	RT	205
5	-RPA-	15+00	17+00	RT	350
5	-LPB-	15+90	23+48	RT	540
5	-L-	28+53	28+85	RT	40
5	-RPC-	10+50	12+00	RT	255
5	-Y2-	31+50	33+00	LT	245
				SUBTOTAL	3660
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					1830
				TOTAL	5490
				SAY	5500

PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
5	-RPC-	10+50	12+00	LT	305
5	-RPD-	16+00	17+70	LT	300
5&7	-Y2-BERM DITCH	19+80	22+70	LT	145
			SUBTOTAL		750
		ADDITIONAL PSRM TO BE INSTALLED			0
				TOTAL	750
				SAY	750

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PROJECT REFERENCE NO.	SHEET NO.
B-3637	EC-4 /CONST. 4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "12102-8" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 828802.9093(ft) EASTING: 1584445.7714(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99993054 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "12102-8" TO -L- STATION 10+50.00 IS S 77° 16' 02.1" 12,827.96 FT ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NGVD 29

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

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

CURVE -L-
PI Sta 16+59.00
△ = 22° 08' 45.2" (RT)
D = 1° 45' 00.0"
L = 1,265.48'
T = 640.74'
R = 3,274.04'
SE = 0.025
RUNOFF = See Plans
Vd = 40 mph

CURVE -Y-
PI Sta 11+48.52
△ = 30° 05' 37.3" (RT)
D = 16° 25' 00.0"
L = 183.31'
T = 93.82'
R = 349.01'
SE = See Plans
RUNOFF = See Plans
Vd = 15 mph

-L- POC 10+50.00
BEGIN TIP PROJECT B-3637

BL-13 POT 5+00.00
-L- STA. 12+64.47 (32.07' LT)

-L- POT 10+00.00

-Y- POT 10+00.00

-Y- PC 10+54.69

-Y- POC 11+91.00
BEGIN CONSTRUCTION

-Y- PT 12+38.01

-L- PC 10+18.27

-L- POC 20+12.97
-Y- POT 13+07.91

BL-7 (GPS B3637-7) PINC 13+52.97
-L- STA. 21+12.89 (21.03' LT)
= -BY- POT 16+18.90
-Y- STA. 12+97.60 (101.89' LT)

-L- PT 22+83.75

TIE TO EXIST

67 x 13 x 3
ID 4.4 C&G

31 x 10 x 3
ID 4.5 C&G

33 x 12 x 3
ID 4.1 C&G

36 x 12 x 3
ID 4.6 C&G

78 x 26 x 3
2.5 inch Skimmer
with 2.25 inch
Orifice Diameter
12 ft. weir
ID 4.2 C&G

BANK OF AMERICA, NATIONAL ASSOCIATION
DB 413 PG 388
PB 7 PG 225

BURNETTE KELLEY PARTNERSHIP, LLC
DB 420 PG 732
PB 7 PG 225

TRAVCO-BRT LIMITED PARTNERSHIP
DB 208 PG 571

JOHN V. WALKER
DB 161 PG 300
DB 62 PG 635
DB 81 PG 530

WILBURN P. WALKER
DB 177 PG 189
DB 161 PG 296
DB 62 PG 635

AARON LEE WALKER
DB 126 PG 829

J.B. HARRISON PROPERTIES, LLC
DB 336 PG 489

S 65° 58' 40" E

S 16° 08' 25.5" W

420.96' N07°19'41"W

230.65' R/W EASEMENT S89°12'27"E

750' TAPER

320' LANE DROP TAPER

330' LEFT TURN LANE

100' TAPER

320' TAPER

4' FDPS

2GI W/NSG

2GI W/NARROW SLOT GRATE

BASE DITCH SEE DETAIL 'A'

TAIL DITCH SEE DETAIL 'B'

TSD

TIDE

TODE

FALSE SUMP

60' ACCESS POINT

PROP. CONC. RET-AINING WALL

PROP. 2'-6" C&G

PROP. 1'-6" C&G

GRASSED MEDIAN

REMOVE ISLAND

REMOVE

RETAIN

SECONDARY GROWTH

WOODS

GRAVEL

MATCHLINE STA. 23+00.00 MATCH TO SHEET NO. 5

DETAIL A
LATERAL BASE DITCH
(Not to Scale)

Natural Ground, 2d, D, 2d, b, T/Ft., Fill Slope, d, B, Filter Fabric

Min. D = 1.0 Ft.
Max. d = 1.0 Ft.
B = 2.0 Ft.
b = 5.0 Ft.

* When B is < 6.0'

Type of Liner = CL 'B' RIP RAP

-L- 14+00 TO -L- 16+50, LT
CL 'B' RIP RAP: EST. 115 TONS
FILTER FABRIC: EST. 320 SY
DDE: EST. 170 CY

-L- 14+35 TO -L- 16+10, RT
CL 'B' RIP RAP: EST. 80 TONS
FILTER FABRIC: EST. 225 SY
DDE: EST. 140 CY

-L- 20+00 TO -L- 21+50, RT
CL 'B' RIP RAP: EST. 70 TONS
FILTER FABRIC: EST. 195 SY
DDE: EST. 50 CY

DETAIL B
STANDARD BASE DITCH
(Not to Scale)

Natural Ground, 2d, D, 2d, Natural Ground, B

Min. D = 1.0 Ft.
B = 2.0 Ft.

CLEAN-OUT TAIL DITCH -L- 16+12 +/-, RT
DITCH GRADE: 0.5% +/-
DDE: EST. 30 CY

CL 'B' RIP RAP: EST. 3 TONS FILTER FABRIC: EST. 10 SY

CL 'B' RIP RAP: EST. 3 TONS FILTER FABRIC: EST. 10 SY

CL 'B' RIP RAP: EST. 11 TONS FILTER FABRIC: EST. 28 SY

CL 'B' RIP RAP: EST. 2 TONS FILTER FABRIC: EST. 7 SY

EXISTING TRAFFIC SIGNAL TO BE REVISED

NOTE:
ALL PIPES ARE RC CLASS III, UNLESS OTHERWISE INDICATED ON PLANS.

2GI W/NSG = 2GI W/NARROW SLOT GRATE

SEE SHEET 8 FOR LINE -L- PROFILE AND GRADE

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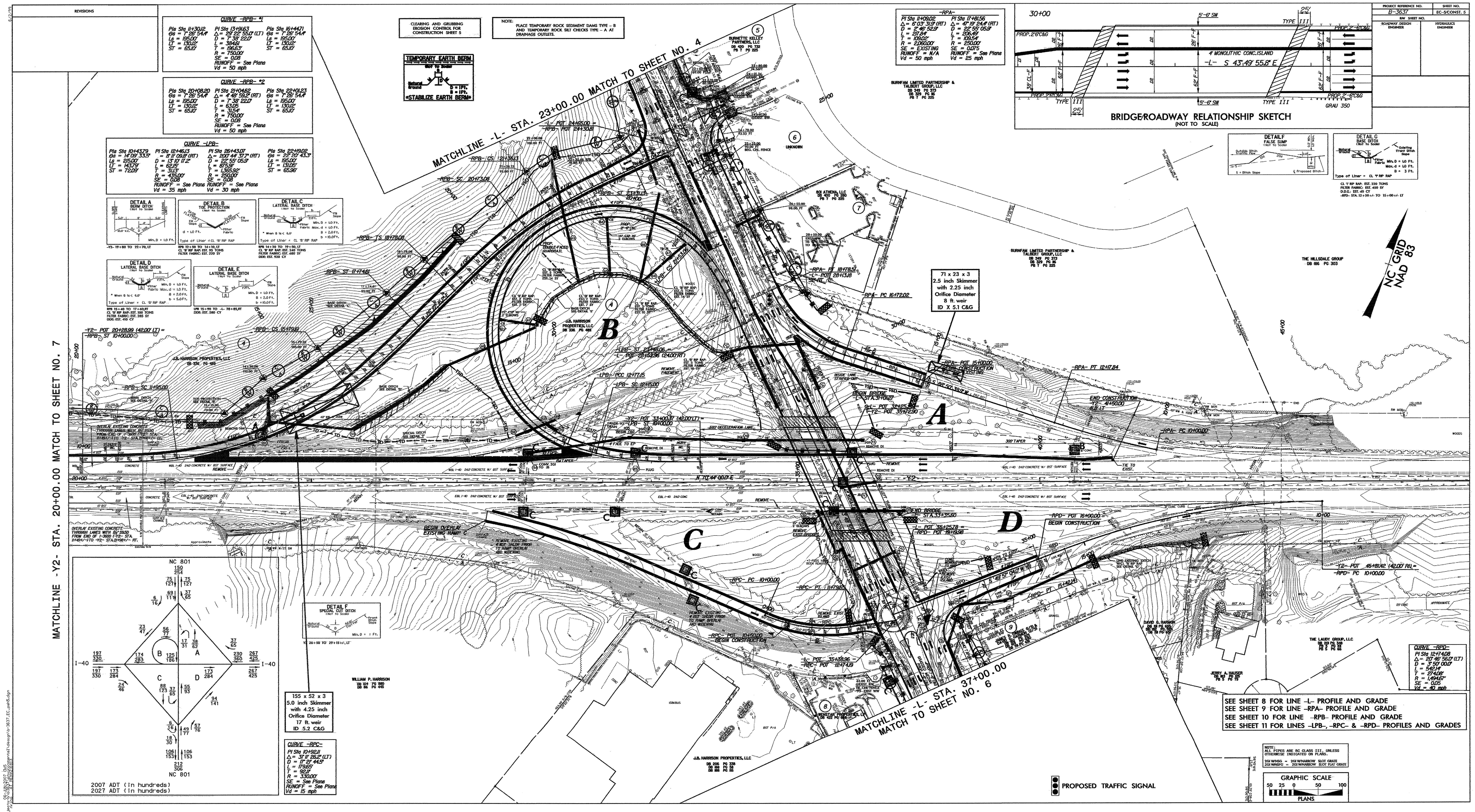
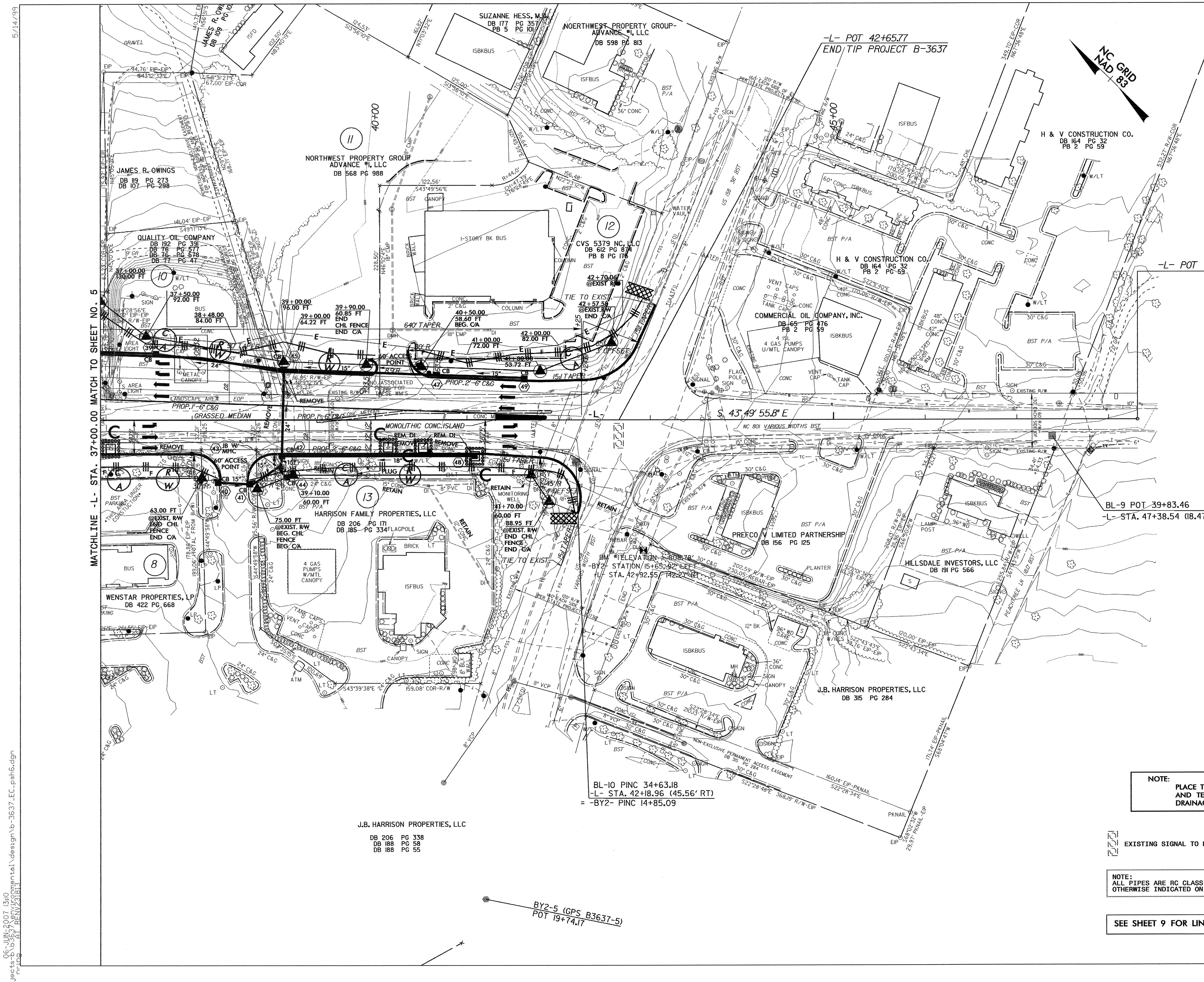

REVISIONS
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B
AND TEMPORARY ROCK SILT CHECKS TYPE – A AT
DRAINAGE OUTLETS.
TEMPORARY EARTH BERM
D = 1Ft.
B = 1Ft.
MATCHLINE -L- STA. 23+00.00 MATCH TO SHEET NO. 4
MATCHLINE -Y2- STA. 20+00.00 MATCH TO SHEET NO. 7
MATCHLINE -L- STA. 37+00.00 MATCH TO SHEET NO. 6
BRIDGE/ROADWAY RELATIONSHIP SKETCH
(NOT TO SCALE)
NC GRID NAD 83
71 x 23 x 3
2.5 inch Skimmer
with 2.25 inch
Orifice Diameter
8 ft. weir
ID X 5.1 C&G
155 x 52 x 3
5.0 inch Skimmer
with 4.25 inch
Orifice Diameter
17 ft. weir
ID 5.2 C&G
CURVE -RPD-
PI Sta 12+74.08
Δ = 20° 46' 56.0" (LT)
D = 3° 50' 00.0"
L = 542.14'
T = 274.08'
R = 1,494.67'
SE = 0.05
Vd = 40 mph
THE LAUDY GROUP, LLC
JERRY A. HAUSER
J.B. HARRISON PROPERTIES, LLC
WILLIAM P. HARRISON
SEE SHEET 8 FOR LINE –L– PROFILE AND GRADE
SEE SHEET 9 FOR LINE –RPA– PROFILE AND GRADE
SEE SHEET 10 FOR LINE –RPB– PROFILE AND GRADE
SEE SHEET 11 FOR LINES –LPB–, –RPC– & –RPD– PROFILES AND GRADES
NOTE:
ALL PIPES ARE RC CLASS III, UNLESS
OTHERWISE INDICATED ON PLANS.
2GI W/NSG = 2GI W/NARROW SLOT GRATE
2GI W/NSFG = 2GI W/NARROW SLOT FLAT GRATE
GRAPHIC SCALE
50 25 0 50 100
PLANS
PROPOSED TRAFFIC SIGNAL
NC 801
I-40
2007 ADT (In hundreds)
2027 ADT (In hundreds)



PROJECT REFERENCE NO.	SHEET NO.
B-3637	EC-6/CONST. 6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 6

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

EXISTING SIGNAL TO BE REVISED

NOTE:
ALL PIPES ARE RC CLASS III, UNLESS OTHERWISE INDICATED ON PLANS.

SEE SHEET 9 FOR LINE -L- PROFILE AND GRADE

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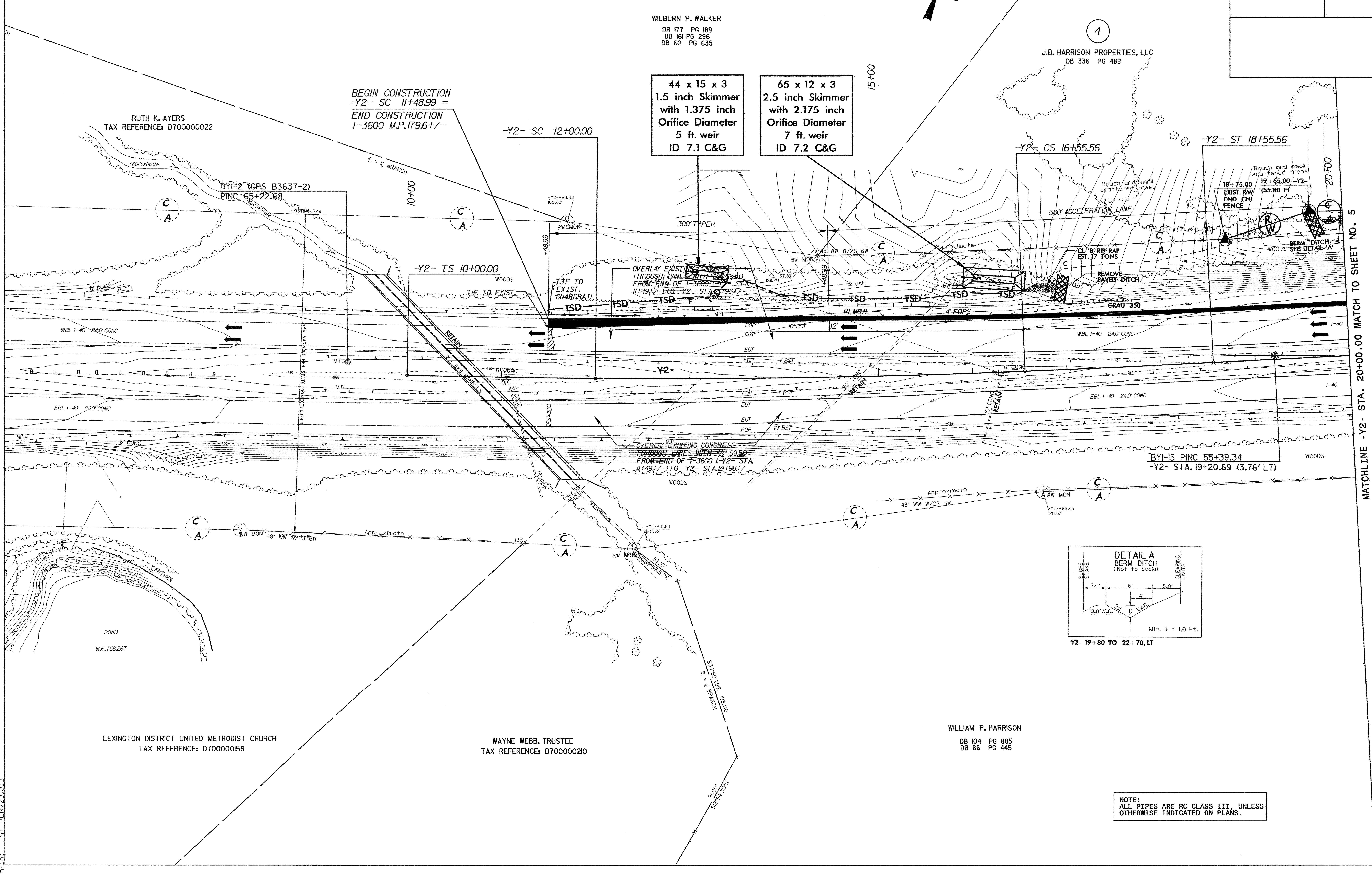
PROJECT REFERENCE NO.	SHEET NO.
B-3637	EC-7/CONST. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

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

CURVE -Y2-

PIs Sta 11+33.33	PI Sta 14+27.82	PIs Sta 17+22.22
Θs = 0° 36′ 00.0″	Δ = 2° 44′ 00.0″ (LT)	Θs = 0° 36′ 00.0″
Ls = 200.00′	D = 0° 36′ 00.0″	Ls = 200.00′
LT = 133.33′	L = 455.56	LT = 133.33′
ST = 66.67′	T = 227.82′	ST = 66.67′
	R = 9,549.30′	
	SE = EXISTING	



NAD 83 NC GRID
WILBURN P. WALKER
DB 177 PG 189
DB 161 PG 296
DB 62 PG 635
J.B. HARRISON PROPERTIES, LLC
DB 336 PG 489
44 x 15 x 3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
5 ft. weir
ID 7.1 C&G
65 x 12 x 3
2.5 inch Skimmer
with 2.175 inch
Orifice Diameter
7 ft. weir
ID 7.2 C&G
BEGIN CONSTRUCTION
-Y2- SC 11+48.99 =
END CONSTRUCTION
I-3600 M.P.179.6+/-
RUTH K. AYERS
TAX REFERENCE: D700000022
-Y2- SC 12+00.00
-Y2- CS 16+55.56
-Y2- ST 18+55.56
BYI-2 (GPS B3637-2)
PINC 65+22.68
-Y2- TS 10+00.00
300′ TAPER
580′ ACCELERATION LANE
CL 'B' RIP RAP
EST. 17 TONS
REMOVE
PAVED DITCH
GRAU 350
BERM DITCH
SEE DETAIL 'A'
18+75.00
EXIST. RW
END CHL
FENCE
19+65.00 -Y2-
155.00 FT
OVERLAY EXISTING CONCRETE THROUGH LANES WITH 1½" S9.5D FROM END OF I-3600 (-Y2- STA. 11+49+/-) TO -Y2- STA. 21+98+/-
TIE TO EXIST. GUARDRAIL
TIE TO EXIST.
WBL I-40 24.0′ CONC
EBL I-40 24.0′ CONC
BYI-15 PINC 55+39.34
-Y2- STA. 19+20.69 (3.76′ LT)
MATCHLINE -Y2- STA. 20+00.00 MATCH TO SHEET NO. 5
POND
W.E.758.263
DETAIL A
BERM DITCH
(Not to Scale)
SLOPE STAKE
CLEARING LIMITS
Min. D = 1.0 Ft.
-Y2- 19+80 TO 22+70, LT
LEXINGTON DISTRICT UNITED METHODIST CHURCH
TAX REFERENCE: D700000158
WAYNE WEBB, TRUSTEE
TAX REFERENCE: D700000210
WILLIAM P. HARRISON
DB 104 PG 885
DB 86 PG 445
WOODS

NOTE:
ALL PIPES ARE RC CLASS III, UNLESS OTHERWISE INDICATED ON PLANS.

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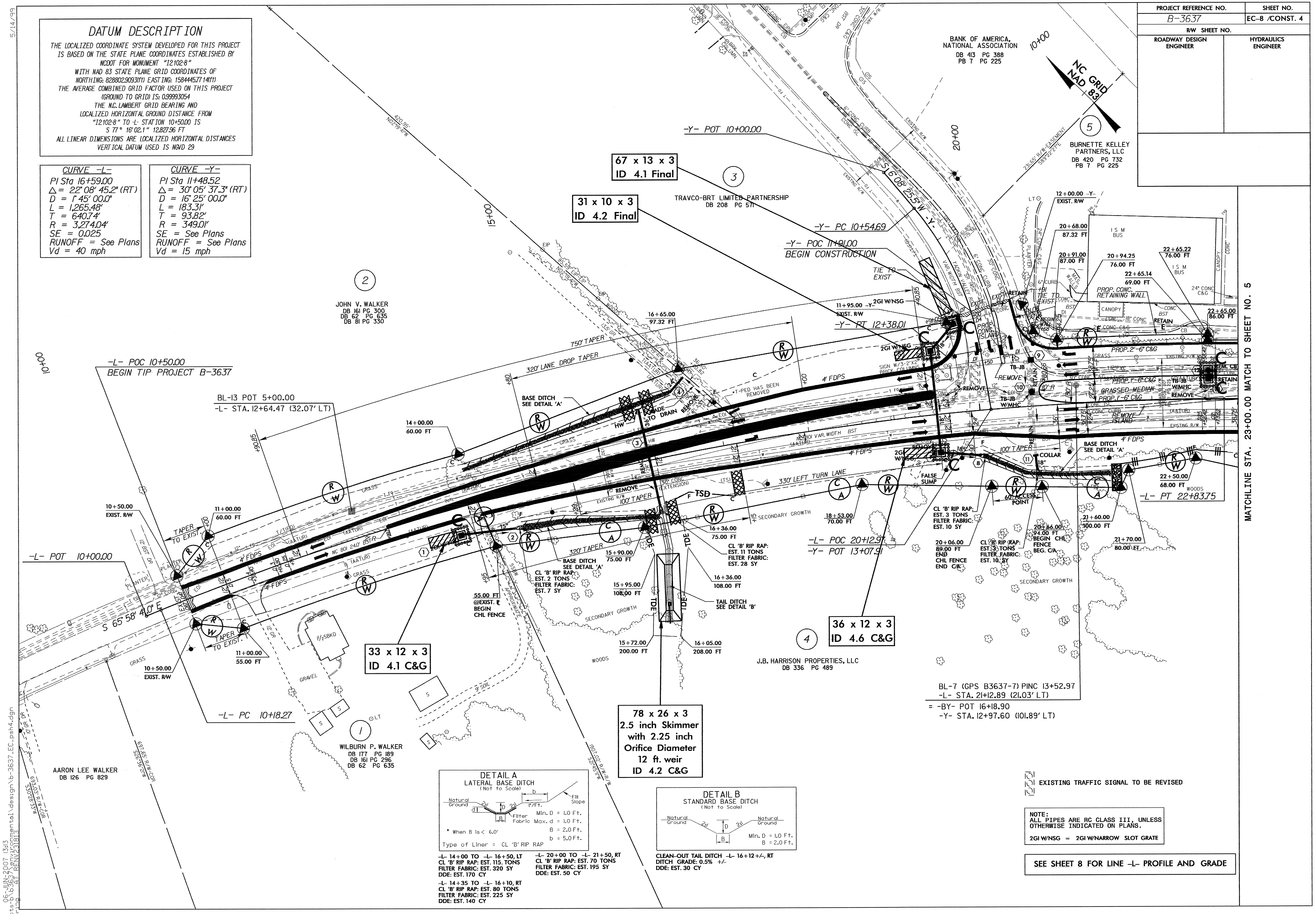
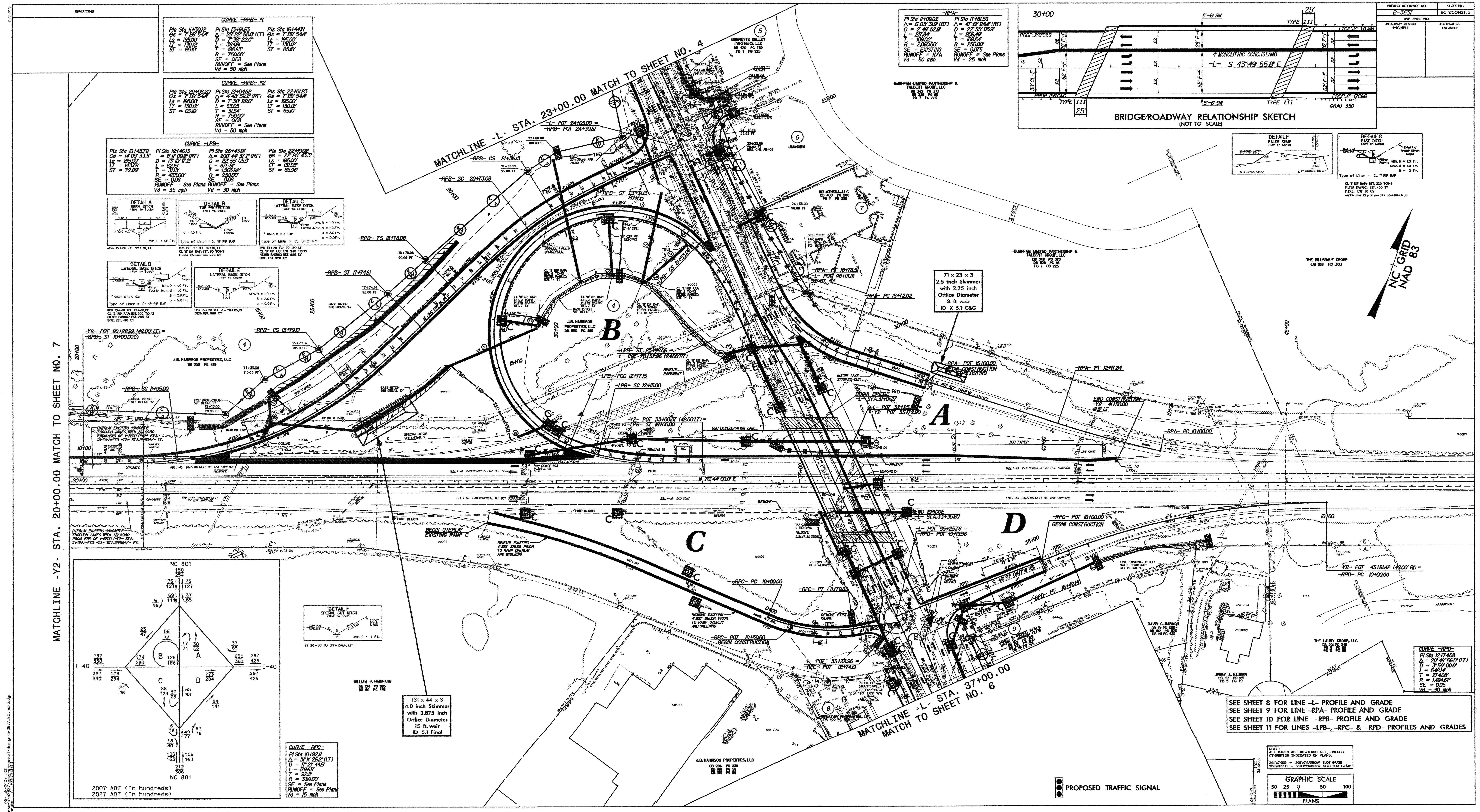


PROJECT REFERENCE NO. B-3637
SHEET NO. EC-8 /CONST. 4
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
DATUM DESCRIPTION
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "I2102-8"
WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 828802.9093(ft) EASTING: 1584445.77 14(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99993054
THE NC LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "I2102-8" TO -L- STATION 10+50.00 IS S 77° 16' 02.1" 12,827.96 FT
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29
CURVE -L-
PI Sta 16+59.00
Δ = 22° 08' 45.2" (RT)
D = 1° 45' 00.0"
L = 1,265.48'
T = 640.74'
R = 3,274.04'
SE = 0.025
RUNOFF = See Plans
Vd = 40 mph
CURVE -Y-
PI Sta 11+48.52
Δ = 30° 05' 37.3" (RT)
D = 16° 25' 00.0"
L = 183.31'
T = 93.82'
R = 349.01'
SE = See Plans
RUNOFF = See Plans
Vd = 15 mph
NC GRID NAD 83
BANK OF AMERICA, NATIONAL ASSOCIATION DB 413 PG 388 PB 7 PG 225
BURNETTE KELLEY PARTNERS, LLC DB 420 PG 732 PB 7 PG 225
TRAVCO-BRT LIMITED PARTNERSHIP DB 208 PG 571
JOHN V. WALKER DB 161 PG 300 DB 62 PG 635 DB 81 PG 330
J.B. HARRISON PROPERTIES, LLC DB 336 PG 489
WILBURN P. WALKER DB 177 PG 189 DB 161 PG 296 DB 62 PG 635
AARON LEE WALKER DB 126 PG 829
67 x 13 x 3 ID 4.1 Final
31 x 10 x 3 ID 4.2 Final
33 x 12 x 3 ID 4.1 C&G
36 x 12 x 3 ID 4.6 C&G
78 x 26 x 3 2.5 inch Skimmer with 2.25 inch Orifice Diameter 12 ft. weir ID 4.2 C&G
-Y- POT 10+00.00
-Y- PC 10+54.69
-Y- POC 11+91.00 BEGIN CONSTRUCTION
-Y- PT 12+38.01
-L- POC 10+50.00 BEGIN TIP PROJECT B-3637
BL-13 POT 5+00.00 -L- STA. 12+64.47 (32.07' LT)
-L- POT 10+00.00
-L- PC 10+18.27
-L- POC 20+12.97 = -Y- POT 13+07.91
-L- PT 22+83.75
BL-7 (GPS B3637-7) PINC 13+52.97 -L- STA. 21+12.89 (21.03' LT) = -BY- POT 16+18.90 -Y- STA. 12+97.60 (101.89' LT)
MATCHLINE STA. 23+00.00 MATCH TO SHEET NO. 5
DETAIL A LATERAL BASE DITCH (Not to Scale)
Min. D = 1.0 Ft. Max. d = 1.0 Ft. B = 2.0 Ft. b = 5.0 Ft.
* When B is < 6.0'
Type of Liner = CL 'B' RIP RAP
-L- 14+00 TO -L- 16+50, LT CL 'B' RIP RAP: EST. 115. TONS FILTER FABRIC: EST. 320 SY DDE: EST. 170 CY
-L- 20+00 TO -L- 21+50, RT CL 'B' RIP RAP: EST. 70 TONS FILTER FABRIC: EST. 195 SY DDE: EST. 50 CY
-L- 14+35 TO -L- 16+10, RT CL 'B' RIP RAP: EST. 80 TONS FILTER FABRIC: EST. 225 SY DDE: EST. 140 CY
DETAIL B STANDARD BASE DITCH (Not to Scale)
Min. D = 1.0 Ft. B = 2.0 Ft.
CLEAN-OUT TAIL DITCH -L- 16+12+/-, RT DITCH GRADE: 0.5% +/- DDE: EST. 30 CY
EXISTING TRAFFIC SIGNAL TO BE REVISED
NOTE: ALL PIPES ARE RC CLASS III, UNLESS OTHERWISE INDICATED ON PLANS.
2GI W/NSG = 2GI W/NARROW SLOT GRATE
SEE SHEET 8 FOR LINE -L- PROFILE AND GRADE



PROJECT REFERENCE NO. B-3637
SHEET NO. EC-9/CONST. 3
REVISIONS
MATCHLINE -L- STA. 23+00.00 MATCH TO SHEET NO. 4
MATCHLINE -Y2- STA. 20+00.00 MATCH TO SHEET NO. 7
MATCHLINE -L- STA. 37+00.00 MATCH TO SHEET NO. 6
BRIDGE/ROADWAY RELATIONSHIP SKETCH
(NOT TO SCALE)
4' MONOLITHIC CONC. ISLAND
-L- S 43°49' 55.8" E
NC GRID NAD 83
71 x 23 x 3
2.5 inch Skimmer
with 2.25 inch
Orifice Diameter
8 ft. weir
ID X 5.1 C&G
131 x 44 x 3
4.0 inch Skimmer
with 3.875 inch
Orifice Diameter
15 ft. weir
ID 5.1 Final
NC 801
I-40
2007 ADT (in hundreds)
2027 ADT (in hundreds)
SEE SHEET 8 FOR LINE -L- PROFILE AND GRADE
SEE SHEET 9 FOR LINE -RPA- PROFILE AND GRADE
SEE SHEET 10 FOR LINE -RPB- PROFILE AND GRADE
SEE SHEET 11 FOR LINES -LPB-, -RPC- & -RPD- PROFILES AND GRADES
PROPOSED TRAFFIC SIGNAL
GRAPHIC SCALE
50 25 0 50 100
PLANS
A
B
C
D

PROJECT REFERENCE NO.	SHEET NO.
B-3637	EC-10/CONST. 6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5/14/99

MATCHLINE -L- STA. 37+00.00 MATCH TO SHEET NO. 5

-L- POT 42+65.77
END TIP PROJECT B-3637

NC GRID NAD 83

-L- POT 48+31.61

BL-9 POT 39+83.46
-L- STA. 47+38.54 (18.47' RT)

S 43°49'55.8" E

NC 801 VARIOUS WIDTHS BST

JAMES R. OWINGS
DB 119 PG 273
DB 107 PG 298

QUALITY OIL COMPANY
DB 192 PG 391
DB 76 PG 577
DB 76 PG 578
DB 77 PG 47

NORTHWEST PROPERTY GROUP ADVANCE #1, LLC
DB 568 PG 988

SUZANNE HESS, M.D.
DB 177 PG 357
PB 5 PG 101

NOERTHWEST PROPERTY GROUP-ADVANCE #1, LLC
DB 598 PG 813

CVS 5379 NC, LLC
DB 612 PG 874
PB 8 PG 176

1-STORY BK BUS

H & V CONSTRUCTION CO.
DB 164 PG 32
PB 2 PG 59

COMMERCIAL OIL COMPANY, INC.
DB-65 PG 476
PB 2 PG 59

4 ISL
4 GAS PUMPS
U/MTL CANOPY

HARRISON FAMILY PROPERTIES, LLC
DB 206 PG 171
DB 185 PG 334

WENSTAR PROPERTIES, LP
DB 422 PG 668

J.B. HARRISON PROPERTIES, LLC
DB 315 PG 284

PREFCO V LIMITED PARTNERSHIP
DB 156 PG 125

HILLSDALE INVESTORS, LLC
DB 191 PG 566

J.B. HARRISON PROPERTIES, LLC
DB 206 PG 338
DB 188 PG 58
DB 188 PG 55

BM #1 ELEVATION = 808.78'
-BY2- STATION 15+65.92' LEFT
-L- STA. 42+92.55 / 142.27' RT

TIE TO EXIST. -L-

BL-10 PINC 34+63.18
-L- STA. 42+18.96 (45.56' RT)
= -BY2- PINC 14+85.09

BY2-5 (GPS B3637-5)
POT 19+74.17

1251 EXISTING SIGNAL TO BE REVISED

NOTE:
ALL PIPES ARE RC CLASS III, UNLESS OTHERWISE INDICATED ON PLANS.

SEE SHEET 9 FOR LINE -L- PROFILE AND GRADE

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PROJECT REFERENCE NO.	SHEET NO.
B-3637	EC-11/CONST. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER