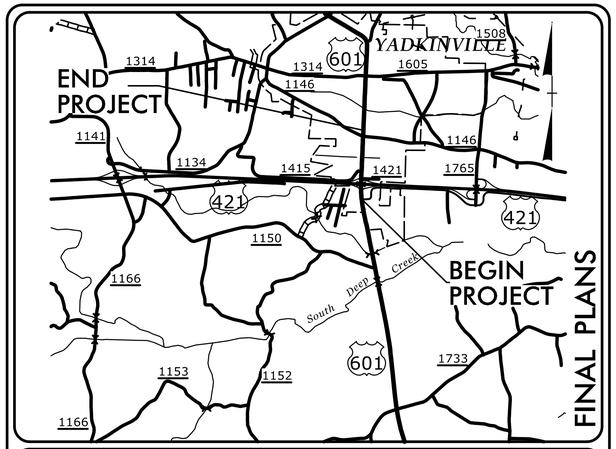
TIP PROJECT: U-5809

CONTRACT: C204935



VICINITY MAP
NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

YADKIN COUNTY

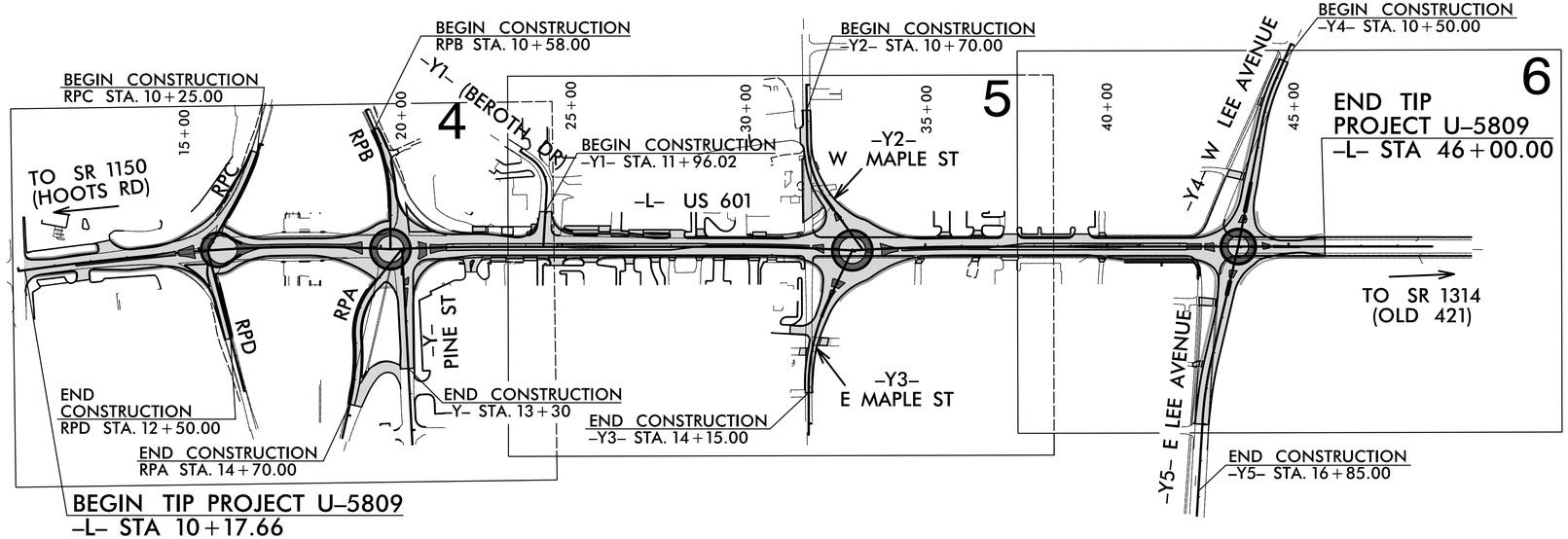
LOCATION: US 601 FROM SR 1742 (SHARON DR) TO SR 1146 (LEE AVENUE)

NAD 83/2011

TYPE OF WORK: GRADING, DRAINAGE, PAVING, CURB AND GUTTER AND SIGNALS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5809	EC-1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
44382.1.1	N/A	PE
44382.2.1	N/A	R/W, UTIL.



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 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.

TGS ENGINEERS

Prepared In the Office of:
TGS ENGINEERS
201 W. MARION ST-STE 200
SHELBY, NC 28150

Designed by:
Andrew H. Cochrane, PE *3015*
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 revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

PROJECT REFERENCE NO.	SHEET NO.
U-5809	EC-02
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

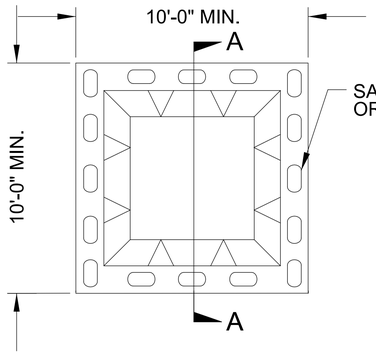
EROSION & SEDIMENT CONTROL LEGEND

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

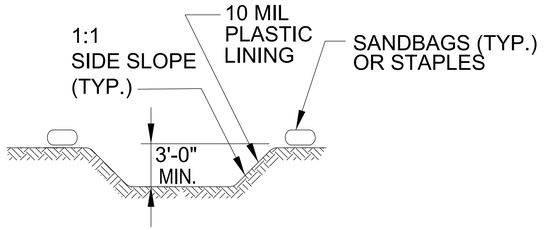
Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1634.01	Temporary Rock Sediment Dam Type A	
1634.02	Temporary Rock Sediment Dam Type B	
1635.01	Rock Pipe Inlet 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-5809	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



PLAN



SECTION A-A

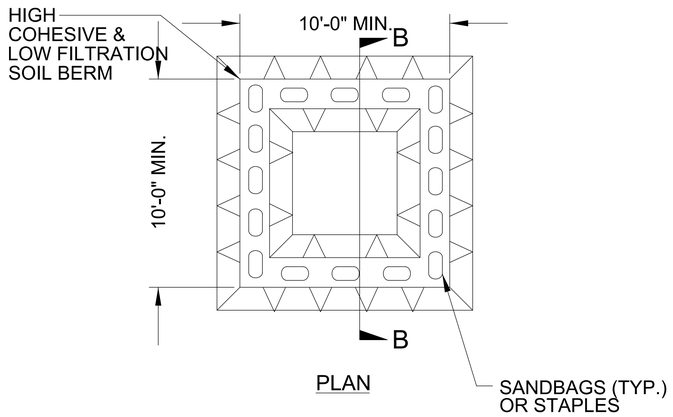
NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

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.

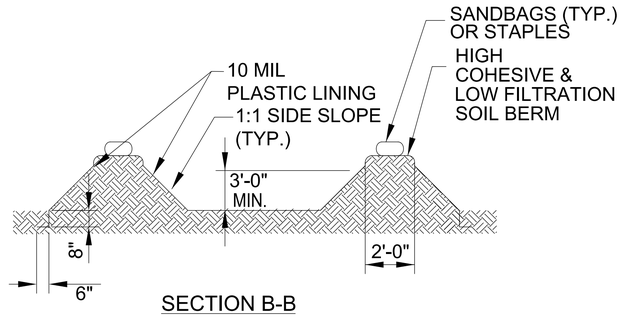
3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

BELOW GRADE WASHOUT STRUCTURE

NOT TO SCALE



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 CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

ABOVE GRADE WASHOUT STRUCTURE

NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
U-5809	EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

SLOPE MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	L	10+50	11+00	RT	106
4	L	19+50	20+00	RT	123
5	L	32+00	32+15	LT	28
5	L	33+79	34+00	LT	45
6	Y5	11+50	12+00	LT	138

DITCHLINE STRAW MATTING FOR EROSION CONTROL

4	L	16+25	16+85	LT	70
4	L	16+85	17+30	LT	55
4	RPB	11+00	12+50	RT	445
4	RPC	11+00	11+96	RT	285
5	Y3	11+35	12+50	LT	135
6	Y4	11+00	12+50	RT	200
6	Y4	12+50	13+60	RT	150
6	Y5	14+00	14+50	RT	70
6	Y5	15+50	16+85	LT	105

DITCHLINE EXCELSIOR MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	RPA	11+50	13+50	LT	590
4	RPA	11+50	14+50	RT	745
4	RPC	11+00	11+96	LT	285
5	Y2	11+64	11+64	RT	50
6	Y5	14+50	14+89	RT	55
	SLOPE MATTING SUBTOTAL				440
	DITCHLINE STRAW MATTING SUBTOTAL				1,515
	DITCHLINE EXCELSIOR MATTING SUBTOTAL				1,725
	MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER				9,935
				TOTAL	13,615
				SAY	13,615

DITCHLINE PSRM FOR EROSION CONTROL

	NONE				

PROJECT REFERENCE NO.	SHEET NO.
U-5809	EC-3A

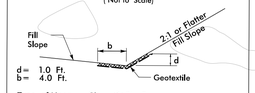
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

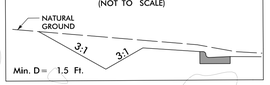
DETAIL 1
TOE PROTECTION
(Not to Scale)



Type of Liner= Class 'B' Rip-Rap

FROM –RPA– STA. 11+43 TO STA. 12+00 RT

DETAIL 2
SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE)



FROM –L– STA. 16+25 TO STA. 17+30 LT

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

PROJECT REFERENCE NO.	SHEET NO.
U-5809	EC-04/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
201 W. MARION ST–STE 200
SHELBY, NC 28150
PH (704) 476–0003
CORP. LICENSE NO.: C–0275

BEGIN TIP PROJECT U–5809
–L– STA 10+17.66

BEGIN CONSTRUCTION
RPB STA 10+58.00
NAD 83/2011

BEGIN CONSTRUCTION
RPC STA 10+25.00

END CONSTRUCTION
RPD STA 12+50.00

END CONSTRUCTION
RPA STA 14+70.00

END CONSTRUCTION
–Y– STA 13+30.00

MATCH LINE STA. –L– 24+00.00
MATCH TO SHEET NO. 5

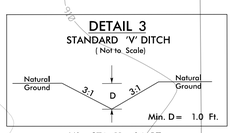
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

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

PROJECT REFERENCE NO.	SHEET NO.
U-5809	EC-05/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

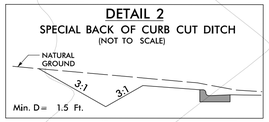
TGS ENGINEERS
201 W. MARION ST–STE 200
SHELBY, NC 28150
PH (704) 476–0003
CORP. LICENSE NO.: C–0275

DETAIL 3
STANDARD 'V' DITCH
(Not to Scale)



–Y2– STA. 11+64 RT

DETAIL 2
SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE)



FROM –Y3– STA. 11+35 TO STA. 12+50 LT

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

NAD 83/2011

MATCH LINE STA. –L– 24+00.00
MATCH TO SHEET NO. 4

MATCH LINE STA. –L– 38+00.00
MATCH TO SHEET NO. 6

BEGIN CONSTRUCTION
–Y2– STA 10+70.00

BEGIN CONSTRUCTION
–Y1– STA 11+96.02

–L– POT 24+47.93 =
–Y1– POT 12+93.09

–Y2– POT 10+00.00

–Y2– PC 11+50.00

–Y2– PT 13+34.64

–L– PC 29+78.92

–L– PI 32+98.94

–L– POT 32+98.94 =
–Y3– POT 10+00.00

–L– PT 32+19.02

–L– PT 36+18.97

–L– PC 33+78.87

–L– PI 35+28.31 =
–Y2– POT 14+97.71

–Y3– PC 11+62.34

–Y3– PT 13+97.00

END CONSTRUCTION
–Y3– STA 14+15.00

–Y3– POT 15+30.51

NOTE:
USE 2'–0" VALLEY GUTTER
FROM –Y2– STA. 12+00.00 RT TO
–Y2– STA. 13+40.00 RT

CLASS 'B' RIP-RAP
EST. 2 TON
GEOTEXTILE
EST. 7 SY

STD. 'V' DITCH
SEE DETAIL 3
S=6.2%
L=65'
EST 15 CY DDE

CONC. FLUME
UNDER SIDEWALK
SEE DETAIL
SHEET 2D–1
(DRAIN TO 0511)

PAVE BETWEEN
VG AND EXIST. R/W

THE CONTRACTOR IS TO REPAIR ALL PAVEMENT AND CURB WITHIN THE DRIVEWAY AND PARKING LOT IMPACTED BY CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.

WARP GUTTER
MIN. 0.2% GRADE
–L– 32+77 TO 33+52 MED

SPECIAL BACK
OF CURB CUT
DITCH
SEE DETAIL 2

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.

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

PROJECT REFERENCE NO.	SHEET NO.
U-5809	EC-06/CONST.6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
201 W. MARION ST–STE 200
SHELBY, NC 28150
PH (704) 476–0003
CORP. LICENSE NO.: C–0275

NAD 83/2011

BEGIN CONSTRUCTION
–Y4– STA 10+50.00

DETAIL 4
SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE)

NATURAL GROUND, 3:1, 4:1, Min. D= 1.5 Ft.

FROM –Y4– STA. 11+00 TO STA. 13+60 RT
FROM –Y5– STA. 14+00 TO STA. 14+89 RT

DETAIL 3
STANDARD 'V' DITCH
(Not to Scale)

Natural Ground, 3:1, D, 3:1, Natural Ground, Min. D= 1.0 Ft.

–Y5– STA. 15+50 TO 16+85 LT

MATCH LINE STA. –L– 38+00.00
SEE SHEET NO. 5

MATCH LINE STA. –Y5– 15+20
SEE THIS SHEET

END TIP PROJECT U–5809
–L– STA 46+00.00

END CONSTRUCTION
–Y5– STA 16+85.00

–Y4– PC 11+09.06
–Y4– PT 12+37.57
–Y5– PC 13+18.71
–Y5– PT 14+90.22
–L– POT 43+61.72 = –Y4 POT 15+78.49 = –Y5– POT 10+00.00
–L– POT 48+95.61
–L– POT 17+52.45

SPECIAL BACK OF CURB CUT DITCH SEE DETAIL 4

SPECIAL BACK OF CURB CUT DITCH SEE DETAIL ?

WARP GUTTER MIN. 0.2% GRADE –Y5– 11+00 TO 11+85 RT (HP –Y5– 11+38)

CLASS 'B' RIP–RAP EST. 2 TON GEOTEXTILE EST. 7 SY

CLASS 'B' RIP–RAP EST. 3 TON GEOTEXTILE EST. 10 SY

STD. 'V' DITCH SEE DETAIL 3 EST 85 CY DDE

PROP. RETAINING WALL –L– STA. 40+50.42.75 RT TO –Y5– STA. 11+12, 87.58 RT MATCH EXISTING TYPE

PROP. CONC. STEPS 6 @4' WIDE & LANDING

TIE TO EXIST SIDEWALK

DO NOT DISTURB SIGN UTILIZE TRENCH BOXES FOR ANY UTILITY RELOCATION TO AVOID FOUNDATION

THE CONTRACTOR IS TO REPAIR ALL PAVEMENT AND CURB WITHIN THE DRIVEWAY AND PARKING LOT IMPACTED BY CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.

HERBERT L. CAMERON
LARRY E. LONG
VP YADKINVILLE, LLC
SHARON A. CAVE
WILLIAM B. HOOD
MACKIE GRANCHILDREN'S TRUST
E.C. ADAMS
GRACE RIDGE OF YADKINVILLE, LLC
ADAMS FAMILY OF NC, LLC
GRISWOLD INVESTMENTS, LLC
SARAH HOLCOMB

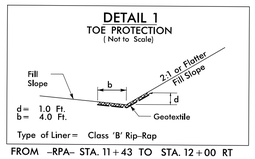
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 6

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

PROJECT REFERENCE NO.	SHEET NO.
U-5809	EC-07/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

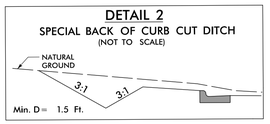
TGS ENGINEERS
201 W. MARION ST-STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

DETAIL 1
TOE PROTECTION
(Not to Scale)



d= 1.0 Ft.
b= 4.0 Ft.
Type of Liner= Class 'B' Rip-Rap
FROM -RPA- STA. 11+43 TO STA. 12+00 RT

DETAIL 2
SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE)



Min. D= 1.5 Ft.
FROM -L- STA. 16+25 TO STA. 17+30 LT

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

NAD 83/2011

BEGIN TIP PROJECT U-5809
-L- STA 10+17.66

BEGIN CONSTRUCTION
RPB STA 10+58.00

BEGIN CONSTRUCTION
RPC STA 10+25.00

END CONSTRUCTION
RPD STA 12+50.00

END CONSTRUCTION
-Y- STA 13+30.00

END CONSTRUCTION
RPA STA 14+70.00

MATCH LINE STA. -L- 24+00.00
MATCH TO SHEET NO. 5

-L- POC 15+23.65 = RPC POT 13+27.64 = RPD POT 10+00.00
RPC PT 11+95.74
RPC PC 10+00.00
RPB POT 10+00.00
RPB PC 10+63.09
RPB PT 12+71.14
-L- PT 20+27.10 = RPB POT 13+93.13
-L- PC 21+27.99
-L- PT 22+92.68
-L- PC 10+00.00
-L- PT 12+28.94
-L- PC 13+87.89
RPD POT 14+00.00
RPA PT 14+65.53
RPA POT 15+65.16
-L- POT 20+59.25 = RPA POT 10+00.00 = -Y- POT 10+00.00
-Y- POT 15+39.69

1 YADKINVILLE INVESTMENTS, LLC
ROCK HILL LAND & DEVELOPMENT, LLC

2 BEROTH OIL COMPANY

3 VB&G, LLC

4 TRIAD MUNICIPAL ABC BOARD

5 JEFFERSON/RAY ASSOCIATES

6 J.C. FAW

ARC SBYKLNCOOI, LLC

ROBERT A. GEIST

STARWOOD INVESTMENTS

JANO CAPITAL COMPANY

TOWN OF YADKINVILLE

PROP. ASPHALT DRIVE

PROP. CONCRETE DRIVE

100' TAPER

100' SHIFTING TAPER

30' TAPER TO EXIST +55

50' TAPER TO EXIST

60' SHIFT TO EXIST +10

+80 RT BEGIN 50' TAPER TO EXIST

+55.07 TIE TO EXIST. EOP

WARP GUTTER MIN. 0.2% GRADE -L- 20+08 TO 20+48 MED

WARP GUTTER MIN. 0.2% GRADE -L- 16+87 TO 17+00 RT

SPECIAL BACK OF CURB CUT DITCH SEE DETAIL 2

CLASS 'I' RIP-RAP EST. 40 TON GEOTEXTILE EST. 80 SY

TOE PROTECTION SEE DETAIL 1 CLASS 'B' RIP-RAP EST. 30 TONS GEOTEXTILE EST. 75 SY

REMOVE EXIST. GUARDRAIL AND BARRIER

REMOVE EXIST. CONC ISLAND

FLOWABLE FILL

MILL AND REPAVE (2")

DO NOT DISTURB BLOCK WALL

DO NOT DISTURB WALL

DO NOT DISTURB LIGHT

PROP. SIGN DO NOT DISTURB

DO NOT DISTURB CANOPY

48" RCP-IV
42" RCP-IV
36" RCP-IV
30" RCP-III
24" RCP-IV
18" RCP-III
18" RCP-IV
15" RCP-III
15" RCP-IV

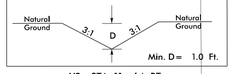
PROJECT REFERENCE NO.	SHEET NO.
U-5809	EC-08/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
201 W. MARION ST-STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

NAD 83/2011

DETAIL 3
STANDARD 'V' DITCH
(Not to Scale)



–Y2– STA. 11+64 RT

DETAIL 2
SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE)

FROM –Y3– STA. 11+35 TO STA. 12+50 LT

NOTE:
USE 2'-0" VALLEY GUTTER FROM –Y2– STA. 12+00.00 RT TO –Y2– STA. 13+40.00 RT

BEGIN CONSTRUCTION
–Y2– STA 10+70.00

BEGIN CONSTRUCTION
–Y1– STA 11+96.02

–L– POT 24+47.93 =
–Y1– POT 12+93.09

–L– PC 29+78.92

–Y2– POT 10+00.00

–Y2– PC 11+50.00

–Y2– PT 13+34.64

–L– PI 32+98.94

–L– POT 33+28.31 =
–Y2– POT 14+97.71

–L– PT 32+19.02

–L– POT 32+98.94 =
–Y3– POT 10+00.00

–L– PC 33+78.87

–Y3– PC 11+62.34

–L– PT 36+18.97

–Y3– PT 13+97.00

END CONSTRUCTION
–Y3– STA 14+15.00

–Y3– POT 15+30.51

CLASS 'B' RIP-RAP EST. 2 TON GEOTEXTILE EST. 7 SY

STD. 'V' DITCH
SEE DETAIL 3
S=6.2%
L=65'
EST 15 CY DDE

CONC. FLUME UNDER SIDEWALK SEE DETAIL SHEET 2D-1 (DRAIN TO 0511)

REMOVE TB2GI-A SEE DETAIL SHEET 2D-4

TB2GI-A SEE DETAIL 2D-5

WARP GUTTER MIN. 0.2% GRADE –L– 32+77 TO 33+52 MED

SPECIAL BACK OF CURB CUT DITCH SEE DETAIL 2

THE CONTRACTOR IS TO REPAIR ALL PAVEMENT AND CURB WITHIN THE DRIVEWAY AND PARKING LOT IMPACTED BY CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.

DO NOT DISTURB STRUCTURE

DO NOT DISTURB WALL

DO NOT DISTURB SIGN

DO NOT DISTURB LIGHT POLE

PAVE BETWEEN V.G. AND EXIST. R/W

REPAVE PARKING LOT

100' TAPER

90' TAPER

50' TAPER TO EXIST.

PROP. CONC. DRIVE

PROP. CONCRETE DRIVE

MATCH LINE STA. –L– 24+00.00
MATCH TO SHEET NO. 4

MATCH LINE STA. –L– 38+00.00
MATCH TO SHEET NO. 6

MCDONALD'S CORPORATION
BCS LAND INVESTMENTS, LLC
DANIEL R. AYERS
SHIRLEY A. AYERS
LINDA T. PARDUE, ETAL
JESSIE W. DOBBINS
RAYMER REAL ESTATE OPERATIONS, LLC
CRYSTAL CLEANERS & LAUNDRY, INC.
QUALITY OIL COMPANY, LLC
BSC LAND INVESTMENTS, LLC
MCALPIN WOOD
KAJAN, LLC
VP YADKINVILLE, LLC
BURGER KING CORPORATION
TJM REAL ESTATE, LLC
IRFAN KHALIQ JANJUA
ACEDEUCE PROPERTIES, LLC
J.M. ELECTRIC, LLC
THOMAS M. HUGHES
KATHY W. HUGHES
CFC OF THE CAROLINA'S INC.
GRACE RIDGE OF YADKINVILLE, LLC
DR. CARLISLE B. HUGHES, TRUSTEE
MARIANO SANCHEZ
ROBERT L. FLEMING
JOHN T. MCGEE
J.C. FAW

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

PROJECT REFERENCE NO.	SHEET NO.
U-5809	EC-09/CONST.6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
201 W. MARION ST-STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

NAD 83/2011

BEGIN CONSTRUCTION
-Y4- STA 10+50.00

-Y4- PC 11+09.06

-Y4- PT 12+37.57

-L- POT 43+61.72 =
-Y4 POT 15+78.49 =
-Y5- POT 10+00.00

-L- POT 48+95.61

END TIP PROJECT U-5809
-L- STA 46+00.00

MATCH LINE STA. -L- 38+00.00
SHEET NO. 5

MATCH LINE STA. -Y5- 15+20
SEE THIS SHEET

END CONSTRUCTION
-Y5- STA 16+85.00

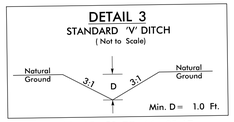
-Y5- PC 13+18.71

-Y5- PT 14+90.22

DETAIL 4
SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE)

FROM -Y4- STA. 11+00 TO STA. 13+60 RT
FROM -Y5- STA. 14+00 TO STA. 14+89 RT

DETAIL 3
STANDARD 'V' DITCH
(Not to Scale)



-Y5- STA. 15+50 TO 16+85 LT

HERBERT L. CAMERON
LARRY E. LONG
VP YADKINVILLE, LLC
SHARON A. CAVE
WILLIAM B. HOOD
MACKIE GRANCHILDREN'S TRUST
E.C. ADAMS
GRACE RIDGE OF YADKINVILLE, LLC
ADAMS FAMILY OF NC, LLC
GRISWOLD INVESTMENTS, LLC
SARAH HOLCOMB

SPECIAL BACK OF CURB CUT DITCH SEE DETAIL 4

DO NOT DISTURB SIGN UTILIZE TRENCH BOXES FOR ANY UTILITY RELOCATION TO AVOID FOUNDATION

THE CONTRACTOR IS TO REPAIR ALL PAVEMENT AND CURB WITHIN THE DRIVEWAY AND PARKING LOT IMPACTED BY CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.

PROP. RETAINING WALL -L- STA. 40+50.42.75 RT TO -Y5- STA. 11+12, 87.58 RT MATCH EXISTING TYPE

PROP. CONC. STEPS 6 @4' WIDE & LANDING

WARP GUTTER MIN. 0.2% GRADE -Y5- 11+00 TO 11+85 RT (HP -Y5- 11+38)

CLASS 'B' RIP-RAP EST. 2 TON GEOTEXTILE EST. 7 SY

CLASS 'B' RIP-RAP EST. 3 TON GEOTEXTILE EST. 10 SY

STD. 'V' DITCH SEE DETAIL 3 EST 85 CY DDE

TIE TO EXIST SIDEWALK

0.46 MI +/- TO SR 1314 OLD 421 RD

0.40 MI +/- TO SR 1634 PROGRESS LN