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PROJECT REFERENCE NO.	SHEET NO.
A-0009CD	EC-09/CONST.49
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

CLEAN WATER DIVERSIONS ARE INDEPENDENT OF OTHER EC DITCH LINES AND TERMINATE INTO A SC–A.

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 49

NAD 83/2011

–Y2– CURVE DATA
PI Sta 152+17.13
Δ = 54° 14' 50.1" (RT)
D = 5° 21' 17.1"
L = 1,013.07'
T = 548.10'
R = 1,070.00'
SE = 0.08
DS = 55 MPH

PI Sta 167+46.16
Δ = 72° 53' 32.5" (LT)
D = 4° 58' 56.1"
L = 1,463.04'
T = 849.
R = 1,150.00'
SE = 0.06
DS = 55 MPH

DETAIL 49A
FALSE SUMP
(Not to Scale)
Outside Ditch Traffic Flow
4:1
4:1
2'
0.5' Min. 1.0' Max.
GI etc.
S
S=Ditch Slope
℄ Proposed Ditch
–Y2– STA. 153+86 RT

CLEAN WATER DIVERSION
CWD CWD CWD CWD CWD
(Not to Scale)
STABILIZE EXCAVATED MATERIAL
SOIL STABILIZATION GEOTEXTILE
OPPOSITE CLEAN WATER
MIN.
1' MIN.

–Y2– 152+00.00
SHEET NO. 48

MATCH LINE STA –Y2– 166+00.00
MATCH TO SHEET NO. 50

–Y2– PC 158+96.87

2 @ 90 x 15 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
7 ft. weir
ID 49.1

FOR CONCRETE ISLAND LAYOUT SEE DETAIL SHT 2B–1

FOR CONCRETE CURB & DRIVE LAYOUT SEE DETAIL SHT 2B–1

1045' LANE DROP TAPER
100'R
70'R
RETAIN
CLASS B RIPRAP 2 TONS, 7 GEOTECH
FILL WITH FLOWABLE FILL FST 3 CY
8'FDPS
GREU TL-3
TYPE B-77
18" RCP–IV
15"
2GI-D
2GI
FS
4901
4902
4903
4904
4905
4906
4907
4910
4912
CLASS B RIPRAP 2 TONS, 7 SY GEO
FALSE SUMP SEE DETAIL 49A
SHOULDER BERM GUTTER –Y2– STA 152+95 TO 153+25, RT
DOUBLE FACED CONCRETE BARRIER TYPE T–2 –Y2– STA. 153+25 TO 158+25, RT
TRANSITION BARRIER TO FACE OF CURB
GRADE TO DRAIN
CLASS B RIPRAP 3 TONS, 10 SY GEO
TIE TO EX 18" HDPE
REMOVE 29 LF
DI
DOUBLE FACED CONCRETE BARRIER TYPE T–2 –Y2– STA. 156+50 TO 161+00, LT
SHOULDER BERM GUTTER –Y2– STA. 161+00 TO 161+30, LT
CLASS B RIPRAP 2 TONS, 7 SY GEO
100' TAPER
100' BUFFER
660' LANE DROP TAPER
510' TAPER TO EXISTING
195' ISLAND TAPER TO EXIST.
748.13' TAPER TO EXISTING
REMOVE BLIND JB
REMOVE
8"x12" CURB
2'-6"C&G
TB 2GI
15" RCP–IV
TIE PROPOSED SYSTEM INTO EXISTING 15" CMP (UNKNOWN INVERT). CONTRACTOR SHALL CONFIRM HORIZONTAL & VERTICAL LOCATION OF EXISTING 15" CMP PRIOR TO ORDERING STR# 4905.
TIE PROPOSED SYSTEM INTO EXISTING 24" CMP (UNKNOWN INVERT). CONTRACTOR SHALL CONFIRM ELEVATIONS PRIOR TO ORDERING STR #4907.
E491
E492
E494
PROP. DRIVE
PROP. GRAVEL DRIVE
DO NOT DISTURB
8" HDPE DIRECTION ONLY
RETAIN
EW
E
C
CWD
TD
TB
B
D

157 MICHAEL HOLDER & WIFE DELORES HOLDER
159 RONALD J. BAKER, JR.
158 LEONDUS McCRACKEN & WIFE DONNA McCRACKEN
160 LEONDUS McCRACKEN
156 ESTATE OF T.J. EDWARDS
ROGER HOLDER
WOLF CREEK DEN, LLC
SR 1535 (GUNTER GAP RD) (8' DST)
+55.00 422.00
+08.00 EX. R/W
+85.24 EX. R/W
+03.00 EX. R/W
+50.00 EX. R/W
+29.00 561.00
+68.00 556.00