4/1/2019 mwilkinson	Jversion gplotborder-V81-PO.tbl	01-01.dgn GRWCOV	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	PR-297-(057) CT. 1	1	86

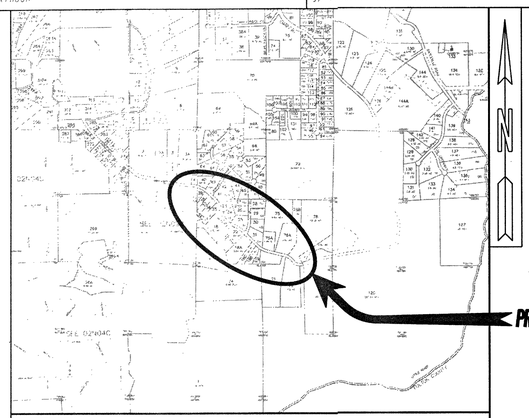
CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED

EARNEY ROAD (FROM OLD COUNTRY ROAD/CR 931 TO EARNEY ROAD DAM)

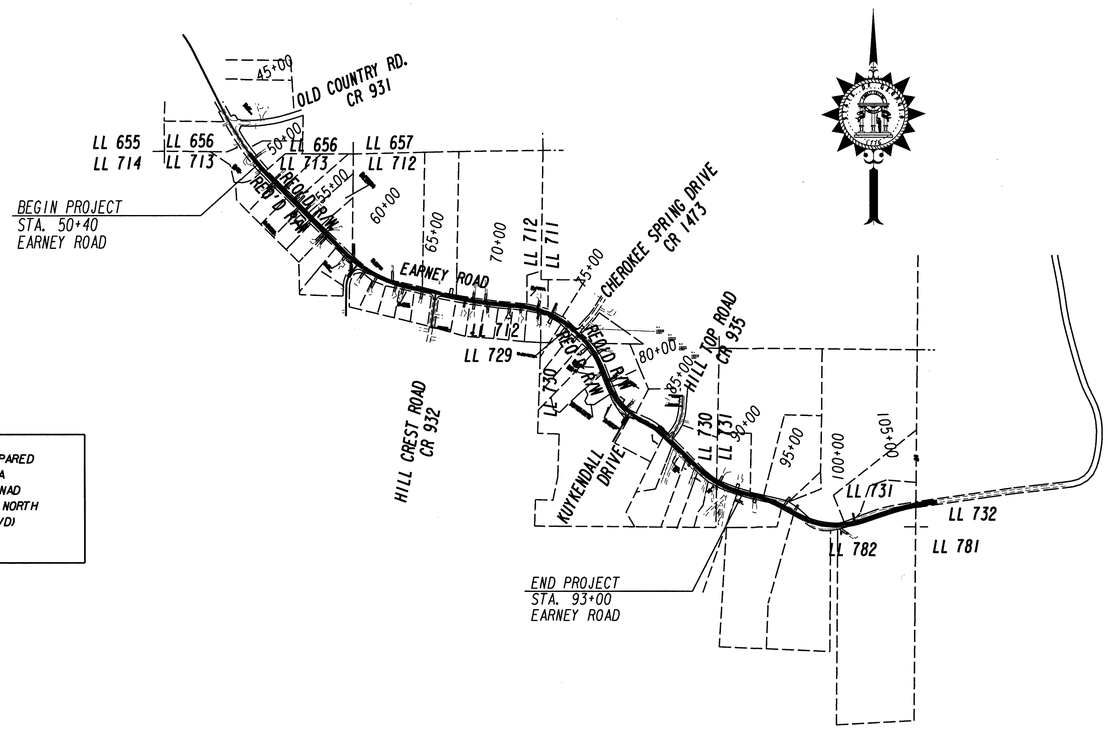
ROADWAY IMPROVEMENTS

CHEROKEE COUNTY PROJECT NO. PR-297 (057) CT. 1



LOCATION SKETCH

DESIGN DATA:
SPEED DESIGN: 35 M.P.H.
EXISTING SPEED DESIGN: 35 M.P.H.



NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO " STATE HIGHWAY DEPARTMENT OF GEORGIA ", "STATE HIGHWAY DEPARTMENT ", GEORGIA STATE HIGHWAY DEPARTMENT ", " HIGHWAY DEPARTMENT ", OR " DEPARTMENT " WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

PLANS PREPARED AND SUBMITTED BY:

AEI

Branch Offices

○ 65 Aberdeen Drive
Glasgow, KY 42141
(270) 651-7220

● 1634 White Circle, Suite 101
Marietta, GA 30066
(770) 421-8422

○ 2500 Nelson Miller Parkway
Louisville, KY 40223
(502) 245-3813

AMERICAN ENGINEERS, INC.
www.aei.cc
PROFESSIONAL ENGINEERING

DESIGN CONSULTANT

THIS PROJECT IS 100% IN CHEROKEE COUNTY AND IS 100% IN CONG. DIST. NO. 11.

FUNCTIONL CLASSIFICATION: RURAL ARTERIAL

PROJECT DESIGNATION:
DESIGNATED IN ENGLISH UNITS

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

MID-POINT COORDINATES
STA 71+70.00
N 1503625.141
E 2232381.911

PREPARED BY: Tom Travel 4/1/2019

GEORGIA REGISTERED No. 028001 PROFESSIONAL ENGINEER THOMAS SCOTT FRAVEL

DESIGN

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

NOTE: RIGHT-OF-WAY AND EASEMENTS BY MORELAND ALTOBELLI. SURVEY DATA BASED ON INFORMATION PROVIDED TO AEI BY CHEROKEE COUNTY AND MORELAND ALTOBELLI. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION. ALL OTHER INFORMATION SHOWN FOR INFORMATION ONLY.

LENGTH OF PROJECT	COUNTY No. 028 Project PR-297-(057) CT. 1
COUNTY: CHEROKEE	MILES
NET LENGTH OF ROADWAY	0.81
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.81
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.81

SCALE IN FEET
0 500 1000 2000

PLANS COMPLETED 4-1-2019	
REVISIONS	
DATE	SHEET NUMBERS

tomday
1/5/2009

DWG NO.	DESCRIPTION
1-01	COVER
2-01	INDEX
3-01	REVISION SUMMARY
4-01 TO 4-02	GENERAL NOTES
5-01 TO 5-03	TYPICAL SECTIONS
6-01 TO 6-03	SUMMARY OF QUANTITIES
9-01	DETAILED ESTIMATE
13-01 TO 13-03	MAINLINE PLAN
15-01 TO 15-02	MAINLINE PROFILE
16-01 TO 16-03	CROSSROAD PROFILE
17-01 TO 17-08	DRIVEWAY PROFILES
18-01	SPECIAL GRADING
22-01 TO 22-04	DRAINAGE CROSS-SECTIONS
23-01 TO 23-10	EARTHWORK CROSS SECTIONS
24-00	UTILITY PLANS LEGEND
24-01 TO 24-03	UTILITY PLANS
26-01 TO 26-05	SIGNING AND MARKING PLANS
50-01	EROSION CONTROL COVER SHEET
51-01 TO 51-03	ESPCP GENERAL NOTES
52-01 TO 52-07	EROSION CONTROL LEGEND
53-01	EROSION CONTROL DRAINAGE AREA MAP
54-01 TO 54-09	BMP LOCATION DETAILS
55-01	WATERSHED MAP/SITE MONITORING PLAN
56-01 TO 56-11	EROSION CONTROL DETAILS (SEE BELOW)

DWG NO.	DESCRIPTION	REV. DATE
	EROSION CONTROL DETAILS	
D-22A	TEMPORARY SEDIMENT BASIN (SHEET 1 OF 2)	11/2018
D-22B	TEMPORARY SEDIMENT BASIN (SHEET 2 OF 2)	11/2018
D-24A	TEMPORARY SILT FENCE (SHEET 1 OF 4)	01/2011
D-24B	TEMPORARY SILT FENCE BERM DITCH, INSTALLATION,	01/2011
	BRUSH BARRIER (SHEET 2 OF 4)	
D-24C	TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT	01/2011
	TRAPS (SHEET 3 OF 4)	
D-35	PERMANENT SOIL REINFORCING MAT (TURF REINFORCING	01/2011
	MAT) INSTALLATION ON DITCHES	
D-41	CONSTRUCTION EXIT	04/2018
D-42	INLET SEDIMENT TRAPS	05/2008
D-54	SOD INSTALLATION	04/2016
D-55A	RIPRAP OUTLET PROTECTION (SHEET 1 OF 2)	04/2016
D-55B	RIPRAP OUTLET PROTECTION (SHEET 2 OF 2)	04/2016
D-56	STONE RIPRAP AND SAND BAG TEMPORARY CHECK DAMS	11/2018
	GA STANDARDS	
1011A	BRICK MANHOLES	10/1981
1011AP	PRECAST REINFORCED CONCRETE MANHOLE	06/1975
1033D	CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB	08/1982
	AND GUTTER)	
1033DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8"	09/1982
	PRECAST HT. CURB AND GUTTER)	
1035	DRAIN INLET (ELBOW TYPE)	11/1999
1120	FLARED END SECTIONS FOR PIPES	06/2006
1125	INLET HEADWALL-OUTLET HEADWALL	10/1999
1401	PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY	08/1999
	INSTALLATIONS BY OPEN CUT ACROSS EXISTING	
	PAVEMENT)	
9003	FEDERAL AID AND STATE PROJECT MARKERS; RIGHT OF	04/2006
	WAY MARKERS; COUNTY LINE MARKER	
9013	CONCRETE SPILLWAYS (TYPICAL USE: ALONG ROADWAY	02/1981
	AT END OF CURB)	
9031S	MEDIAN DROP INLET (PRECAST OR BUILT-IN-PLACE)	04/1996
	AND CONCRETE APRON	
9031U	JUNCTION BOXES (PRECAST OR BUILT-IN-PLACE) PIPE	07/1985
	COLLARS, PIPE ELBOW AND PIPE CURVED ALIGNMENT	
9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS,	11/2011
	CONCRETE MEDIANS	
9100	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND,	03/2006
	AND MISCELLANEOUS DETAILS	
9102	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON	03/2006
	TWO-LANE HIGHWAY	

DWG NO.	DESCRIPTION	REV. DATE
	GA DETAILS	
A1	DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY	07/2011
	GUTTERS	
D-27	SPECIAL DESIGN GRATE INLET FOR DRIVEWAYS	11/1975
S-7	SERRATED SLOPE DETAIL/BENCHING DETAIL	06/2009
T01	SIGN PLATES	01/2000
T02	DETAILS FOR TYPICAL FRAMING	03/2000
T03A	TYPE 7, 8 AND 9 SQUARE TUBE POST INSTALLATION DETAIL	07/2002
T03B	DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT)	07/2002
T11A	DETAILS OF PAVEMENT MARKING PLACEMENT ON	09/2016
	NON-LIMITED ACCESS ROADWAY	
T15A	DETAILS OF RAISED PAVEMENT MARKER LOCATION	09/2016
	NON-LIMITED ACCESS ROADWAY	
T15C	DETAILS OF RAISED PAVEMENT MARKERS	09/2011

GEORGIA STANDARDS AND CONSTRUCTION DETAILS REQUIRED FOR THIS PROJECT ARE LISTED IN THE INDEX WITH THE LATEST REVISION DATES, BUT ARE NOT INCLUDED AS PART OF THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OBTAINING AND MAINTAINING ON THE PROJECT SITE THE STANDARDS AND CONSTRUCTION DETAILS SHOWN IN THE INDEX FULL SIZE PRINTS MAY BE PURCHASED BY THE CONTRACTOR AT HIS EXPENSE FROM THE GEORGIA DEPARTMENT OF TRANSPORTATION.

PLANS PREPARED AND SUBMITTED BY:
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DESIGN CONSULTANT

REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

INDEX

EARNEY ROAD

DRAWING No. 02-01

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	3	86

SUMMARY OF REVISIONS

DATE	SHT. NO.	REVISIONS

PLANS PREPARED AND SUBMITTED BY:

Branch Offices

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○ 65 Aberdeen Drive
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(270) 782-8686

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DESIGN CONSULTANT

DATE	REVISIONS	DATE	REVISIONS	

CHEROKEE
DEPARTMENT OF TRANSPORTATION
REVISION SUMMARY

3-01

DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$

CPDOT

1. A N.O.I. IS REQUIRED FOR THIS PROJECT. THE SITE HAS A TOTAL DISTURBED AREA OF 8.10 ACRES.

2. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE PLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND AGGREGATE SURFACE COURSE FOR DIRT DRIVES. DRIVEWAY RELOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS OR AS LOCATED IN THE PLANS. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. REQUIRED DRIVEWAY EASEMENTS NOT SHOWN ON THE PLANS SHALL BE ACQUIRED. DRIVES SHALL BE CONSTRUCTED USING:

   ASPHALT - ASPH CONC 12.5mm SUPERPAVE (140 LB/SY)
   GRADED AGGREGATE BASE, 6"

   CONCRETE - RESIDENTIAL - DRIVEWAY CONCRETE, 6" THICK

3. ALL EXISTING STORM DRAIN PIPE IS TO BE RETAINED UNLESS OTHERWISE NOTED.

4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION.

5. ALL DISTURBED FENCES SHALL BE REPLACED IN KIND UNLESS SUPERSEDED BY THE RIGHT OF WAY STIPULATIONS.

6. ALL PROPOSED PIPE IS TO BE RCP UNLESS OTHERWISE NOTED.

GEORGIA811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

UTILITY OWNER	SERVICE	CONTACT NUMBERS	SHEET NUMBERS
SAWNEE EMC	POWER	678-455-1393	24-01 TO 24-03
CHEROKEE COUNTY WATER & SEWERAGE AUTHORITY	WATER & SEWER	770-479-1813	24-01 TO 24-03
AGL RESOURCES	GAS	404-584-3637 678-878-5083	24-01 TO 24-03
BELLSOUTH (AT&T)	TELEPHONE	706-701-6075	24-01 TO 24-03
COMCAST	CABLE	678-898-7068 706-233-7059	24-01 TO 24-03

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REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:

GENERAL NOTES

EARNEY ROAD

DRAWING No. 04-01

GENERAL NOTES - STANDARD SIGNS

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA DOT SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.

2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM CHEROKEE COUNTY ENGINEERING.

3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY. WHERE PARKING AND PEDESTRAIN MOVEMENT OCCUR, THE CLEARANCE TO THE BOTTOM OF THE SIGN SHALL BE 7 FEET ABOVE THE EXISTING/PROPOSED PAVEMENT OR SIDEWALK.

4a. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON NON INTERSTATE ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).

4b. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS MOUNTED BEHIND GUARD RAIL SHALL BE 6 FEET FROM THE FACE OF THE GUARD RAIL TO THE NEARER EDGE OF THE SIGN(S).

5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x $^{1}/_{2}$ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE $^{3}/_{8}$ INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.

6. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x $^{1}/_{2}$ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.

7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.

8. TYPE XI (ENCAPSULATED LENS) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.

9. TYPE XI (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3A, R1-4A, R5-1, R5-1A).

10. TYPE XI (VERY HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS, BICYCLE CROSSING (W11-1) SIGNS, AND PEDESTRIAN CROSSING (W11-2 AND W11A-2) SIGNS. SIGNS WITHIN THE SAME ASSEMBLY AS THE SCHOOL ZONE SIGNS SPECIFICALLY LISTED ABOVE AND ALL REGULATORY SIGNS PLACED AS PART OF THE SCHOOL ZONE SIGNING SHALL HAVE TYPE XI (VERY HIGH INTENSITY) REFLECTIVE SHEETING BACKGROUNDS OF THE APPROPRIATE COLOR.

11. TYPE XI (VERY HIGH INTENSITY) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.

12. A $^{1}/_{2}$ INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.

13. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL $^{3}/_{8}$ INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.

14. INTERSTATE SHIELDS SHALL CONTAIN THE WORD GEORGIA. ALL INTERSTATE, U.S., AND GEORGIA SHIELDS REQUIRING ALT, BUS, CONN, LOOP, OR SPUR SHALL USE 4 INCH SERIES "D" LETTERS. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, FOR DETAILS.

15. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.

16. THE CONTRACTOR WILL BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

17. ALL SIGN ATTACHMENTS TO WALLS MUST BE APPROVED BY THE COUNTY ENGINEERING DEPARTMENT. CONTRACTOR SHALL SEND ALL SHOP DRAWINGS TO THE COUNTY ENGINEERING DEPARTMENT.

PLANS PREPARED AND SUBMITTED BY:
Branch Offices
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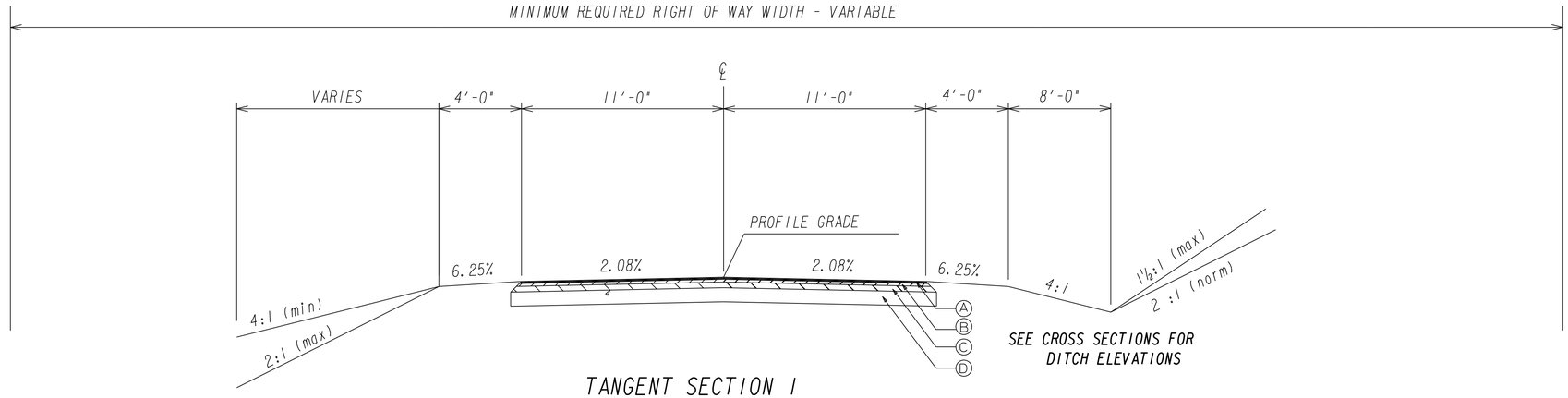
REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:
GENERAL NOTES
EARNEY ROAD
DRAWING No. 04-02

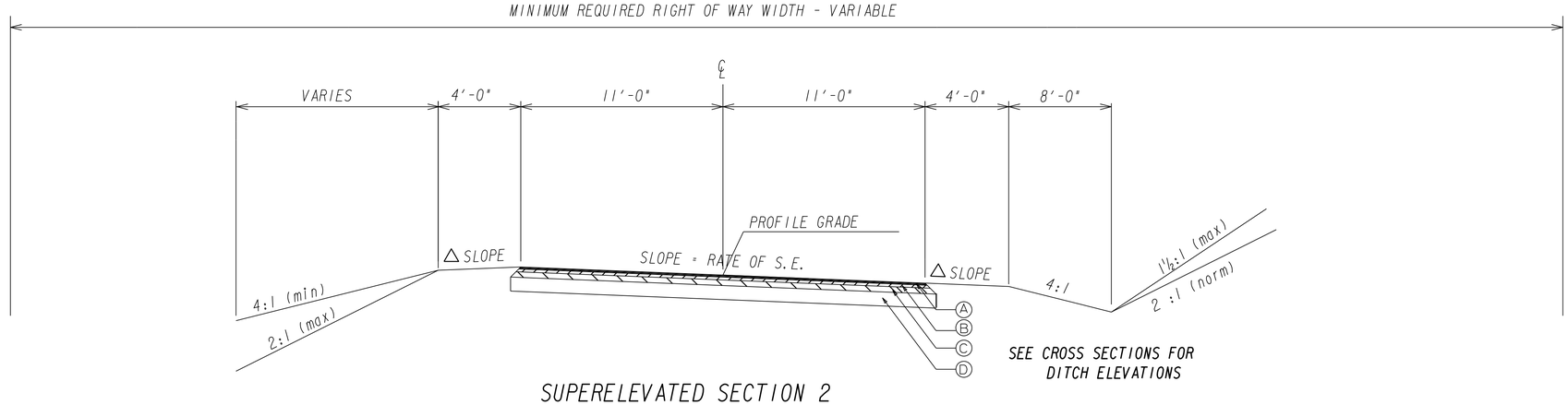
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	6	86



TANGENT SECTION 1

STA. 52+82.00 TO 54+68.00
STA. 57+20.00 TO 57+86.00

Ⓐ ASPHALTIC CONCRETE 12.5mm SUPERPAVE - (165 LBS/SY)
Ⓑ ASPHALTIC CONCRETE 19mm SUPERPAVE - (220 LBS/SY)
Ⓒ ASPHALTIC CONCRETE 25mm SUPERPAVE - (440 LBS/SY)
Ⓓ GRADED AGREGATE BASE, 10 IN.
Ⓔ 8" X 24" CONCRETE CURB & GUTTER, GA STD 9032B, TYPE 2



SUPERELEVATED SECTION 2

STA. 50+40.00 TO 52+82.00
STA. 57+86.00 TO 58+95.00
STA. 86+87.00 TO 91+50.00

△ SEE CROSS SECTIONS FOR SE RATES

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NOT TO SCALE

DATE	REVISIONS	DATE	REVISIONS

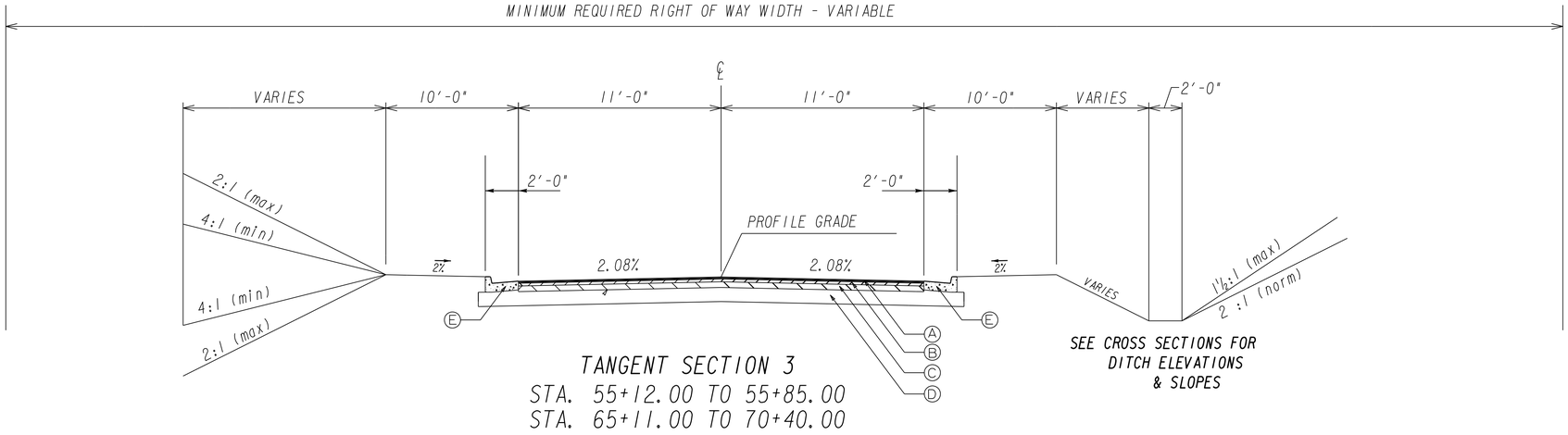
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
EARNEY ROAD

5-01

SHOWDATETIME$$$$$$
DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$

PLNCON

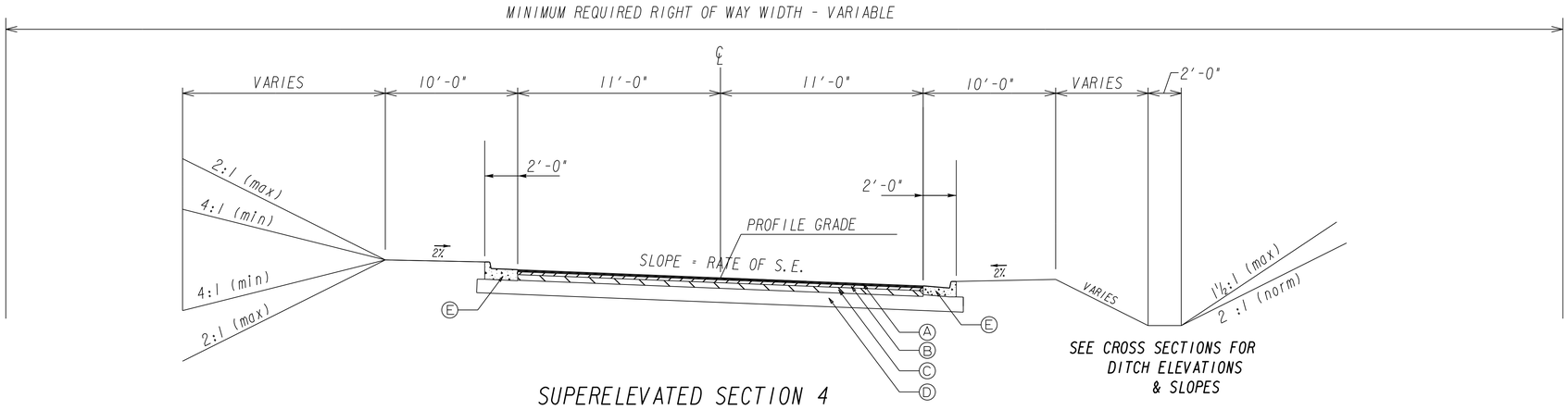
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	7	86



SEE CROSS SECTIONS FOR DITCH ELEVATIONS & SLOPES

TANGENT SECTION 3
STA. 55+12.00 TO 55+85.00
STA. 65+11.00 TO 70+40.00

Ⓐ ASPHALTIC CONCRETE 12.5mm SUPERPAVE - (165 LBS/SY)
Ⓑ ASPHALTIC CONCRETE 19mm SUPERPAVE - (220 LBS/SY)
Ⓒ ASPHALTIC CONCRETE 25mm SUPERPAVE - (440 LBS/SY)
Ⓓ GRADED AGREGATE BASE, 10 IN.
Ⓔ 8" X 24" CONCRETE CURB & GUTTER, GA STD 9032B, TYPE 2



SEE CROSS SECTIONS FOR DITCH ELEVATIONS & SLOPES

SUPERELEVATED SECTION 4
STA. 60+31.99 TO 65+11.00
STA. 70+40.00 TO 83+87.00

△ SEE CROSS SECTIONS FOR SE RATES

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NOT TO SCALE

DATE	REVISIONS	DATE	REVISIONS	

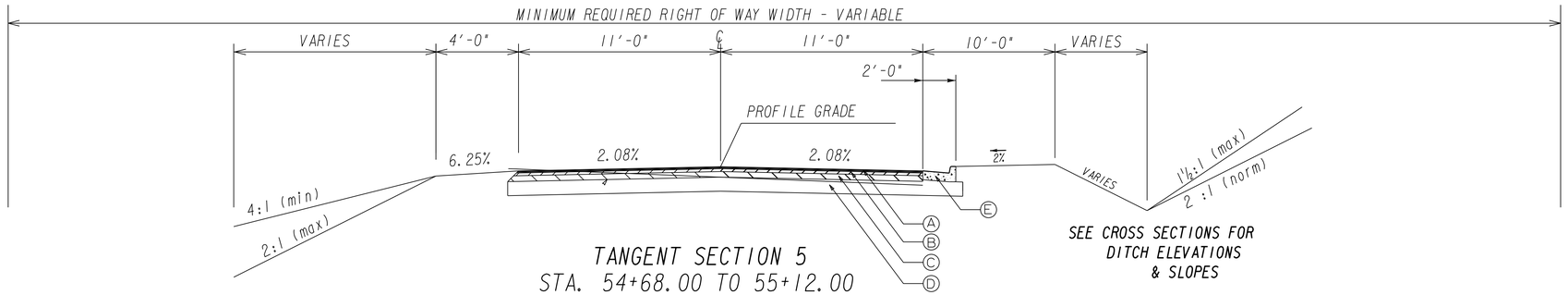
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
EARNEY ROAD

5-02

SHOWDATETIME$$$$$$
DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$$

PLNCON

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	8	86



SEE CROSS SECTIONS FOR DITCH ELEVATIONS & SLOPES

TANGENT SECTION 5
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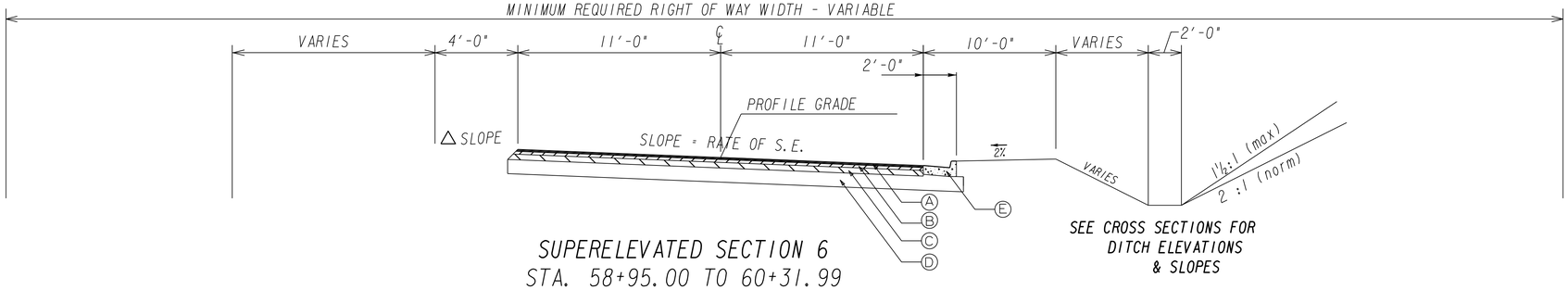
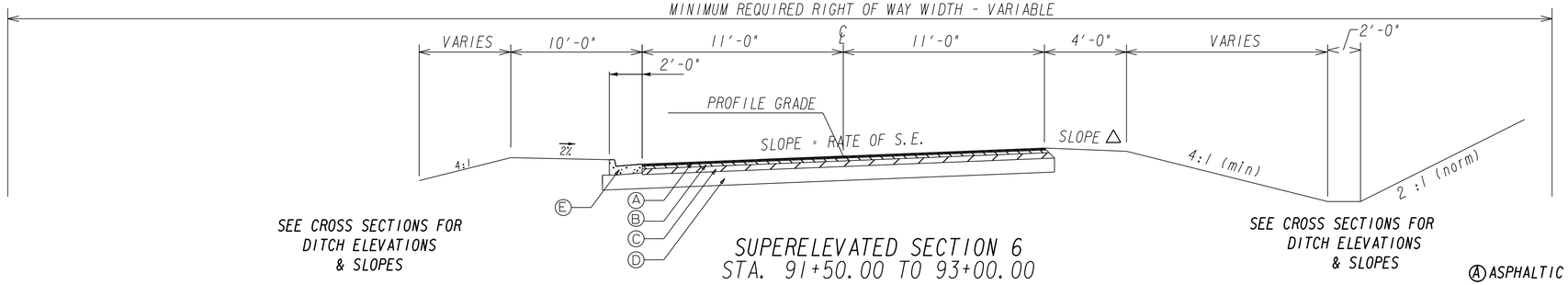
STA. 55+85.00 TO 57+20.00



SEE CROSS SECTIONS FOR DITCH ELEVATIONS & SLOPES

SUPERELEVATED SECTION 6
STA. 58+95.00 TO 60+31.99
STA. 83+87.00 TO 86+87.00



SEE CROSS SECTIONS FOR DITCH ELEVATIONS & SLOPES

SUPERELEVATED SECTION 6
STA. 91+50.00 TO 93+00.00

SEE CROSS SECTIONS FOR DITCH ELEVATIONS & SLOPES

Ⓐ ASPHALTIC CONCRETE 12.5mm SUPERPAVE - (165 LBS/SY)
Ⓑ ASPHALTIC CONCRETE 19mm SUPERPAVE - (220 LBS/SY)
Ⓒ ASPHALTIC CONCRETE 25mm SUPERPAVE - (440 LBS/SY)
Ⓓ GRADED AGREGATE BASE, 10 IN.
Ⓔ 8" X 24" CONCRETE CURB & GUTTER, GA STD 9032B, TYPE 2

△ SEE CROSS SECTIONS FOR SE RATES

PLANS PREPARED AND SUBMITTED BY:

Branch Offices

AEI

○ 65 Aberdeen Drive, Glasgow, KY 4241, (270) 651-7220
● 1634 White Circle, Suite 101, Marietta, GA 30066, (770) 421-8422
○ 714 Lyndon Lane, Suite 9, Louisville, KY 40222, (502) 339-1090
○ 1945 Scottsville Road, Suite 105, Bowling Green, KY 42104, (270) 782-8686

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NOT TO SCALE

DATE	REVISIONS	DATE	REVISIONS	

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
EARNEY ROAD

5-03

SHOWDATET IME$$$$$$
DGN$SPEC IF ICAT ION$$$$$$$$$$$$$$$$$$$$$$

PLNCON

SUMMARY OF QUANTITIES

TEMPORARY EROSION CONTROL

ITEM	UNIT	SUB-TOTAL	AS DIRECTED BY ENGINEER	TOTAL
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EACH	34	5	39
MAINTENANCE OF INLET SEDIMENT TRAP	EACH	34	5	39
TEMPORARY SILT FENCE TYPE C	LF	1924	486	2410
MAINTENANCE OF TEMPORARY SILT FENCE TYPE C	LF	962	243	1205
CONSTRUCTION EXIT	EACH	2		2
MAINTENANCE OF CONSTRUCTION EXIT	EACH	2		2
EROSION CONTROL MATS, SLOPES	SQ YD	3237	763	4000
TURF REINFORCING MAT, TP 1	SQ YD	785	115	900
WATER QUALITY MONITORING AND SAMPLING	EA	2		2
WATER QUALITY INSPECTIONS	MO	12		12
TEMPORARY SILT FENCE TYPE A	LF	4028	1007	5035
MAINTENANCE OF TEMPORARY SILT FENCE TYPE A	LF	2014	504	2518

ITEM	UNIT	SUB-TOTAL	AS DIRECTED BY ENGINEER	TOTAL
TEMPORARY GRASSING	AC	2.11	0.24	2.35
PERMANENT GRASSING	AC	4.22	0.43	4.65
AGRICULTURAL LIME	TN	8.44	0.86	9.3
FERTILIZER MIXED GRADE	TN	4.22	0.43	4.65
FERTILIZER NITROGEN CONTENT	LB	844	86	930
MULCH	TN	90	10	100
CONSTRUCT AND REMOVE RIP RAP, CHECK DAMS STONE PLAIN RIP RAP/SAND BAGS	EA	55	10	65
MAINTENANCE OF CHECK DAMS - ALL TYPES	LF	1100	200	1300
SOD	SQ YD	1350	400	1750
CONSTRUCT AND REMOVE ROCK FILTER DAMS	EACH	5	1	6
MAINTENANCE OF ROCK FILTER DAMS	EACH	5	1	6

SURFACING QUANTITES

ITEMS	UNIT	SUB-TOTAL	DRIVE-WAY	TEMPORARY	AS DIRECTED BY ENGINEER	TOTAL
12.5 MM RECYCLED ASPH CONCRETE SUPERPAVE, GP 2, INCL BITUM MATL & H LIME	TON	966	79		105	1150
19 MM RECYCLED ASPH CONCRETE SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TON	1287			128	1415
25 MM RECYCLED ASPH CONCRETE SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TON	2574			256	2830
TACK COAT	GL	2106			214	2320
GRADED AGGREGATE BASE COURSE, 6 INCH, INCL MATL	SY		1113		222	1335
GRADED AGGREGATE BASE COURSE, 10 INCH, INCL MATL	SY	11700			1300	13000
CONC CURB & GUTTER, 8" X 24", TP 2	LF	5914			591	6505
CONC VALLEY GUTTER, 6 IN	SY		481		48	529
CONC VALLEY GUTTER, 8 IN	SY		41		10	51
DRIVEWAY CONCRETE, 6 IN THK	SY		2878		287	3165
MILL ASPH. CONC. PVMT, VARIABLE DEPTH	SY	300				300
4 INCH CONCRETE SIDEWALK	SY	32			8	40
RECYCLED ASPHALT CONCRETE PATCHING INCL BITUN MATL & H LIME	TN				200	200
RECYCLED ASPHALT CONCRETE LEVELING INCL BITUM MATL & H LIME	TN				200	200

CONCRETE SPILLWAY- GDOT STD. 9013

LOCATION	SIDE	EACH	RIP RAP (TP 3) 24 IN. PLASTIC FILTER FABRIC SY
83+85	LT	1	
86+87	RT	1	
TOTALS		2	

ORANGE BARRIER FENCE

LINEAR FEET 100

FOUNDATION BACKFILL MATERIAL, TYPE II

AS DIRECTED BY ENGINEER

CY 400

AGGREGATE SURFACE COURSE

AS REQUIRED 200 TONS

FOR USE IN INCLEMENT WEATHER TO FACILITATE THE MOVEMENT OF LOCAL TRAFFIC ALONG ROADWAY CONSTRUCTION AND TO PERMIT INGRESS & EGRESS AT DRIVES. WHEN USED FOR THIS PURPOSE, SECTION 318 OF GEORGIA STANDARD SPECIFICATIONS IS MODIFIED TO PERMIT TRUCK DUMPING ON UNPAVED AND MUDDY SUBGRADE.

THE CONTRACTOR WILL HAVE THE CHOICE OF THE FOLLOWING MATERIALS.

GRADED AGGREGATE - ART. 815.01
COARSE AGGREGATE - SIZE - 467 - ART. 800.01
STABILIZER AGGREGATE - TYPE 1 OR 2 - SECT. 803

ALL MATERIALS TO BE USED AS DIRECTED BY THE ENGINEER.

CONCRETE RIGHT- OF- WAY MARKERS

GA. STD. 9003

EACH 99

TRAFFIC CONTROL PR-297-(057) CT. 1

LUMP

* GRADING COMPLETE

LUMP

* INCLUDES CLEARING AND GRUBBING (12 AC. EST.)
FOR INFORMATIONAL PURPOSES ONLY
SEE SECTION 210 - GA. STD. SPECIFICATIONS

UNDERCUT EXCAVATION

AS DIRECTED BY ENGINEER

CY 400

ITEM	UNIT	QUANTITY
RESET CH LK FENCE, 4 FT	LF	100
RESET CH LK FENCE GATE	EA	1
GATE, CHAIN LINK, PVC COAT	EA	2
CH LK FENCE, PVC, 4 FT, 9GA	LF	1650
REM CH LK FENCE, 4 FT	LF	1142
REM CH LK FENCE GATE	EA	2
TEMPORARY FIELD FENCE	LF	220

SUMMARY OF DRIVEWAY QUANTITIES

* NOTE: FOR INFORMATION ONLY; SEE SURFACING QUANTITIES BLOCK.

LOCATION	WIDTH	6" VALLEY GUTTER	8" VALLEY GUTTER	1.25 IN. ASPH CONC. 12.5 MM SP	6 IN. GRADED AGGREGATE	6" DRIVEWAY CONC.
STATION & SIDE	FEET	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.
EARNEY ROAD						
50+81 RT	12					15
51+98 LT	10					65
52+06 RT	10					67
52+34 RT	12					85
52+95 LT	12			98	98	
53+90 LT	10			92	92	
54+55 RT	12					82
55+01 LT	20					260
55+68 LT	10	12				212
55+76 RT	12	13				42
57+02 RT	12	13				83
57+05 LT	14			40	40	70
57+37 RT	10					58
59+28 RT	14	15				32
60+16 LT	10			92	92	
60+91 RT	14	15				24
61+83 RT	14	15				47
62+91 LT	14	15		38	38	
63+30 RT	14	15				24
63+83 RT	14	15				56
65+17 RT	14	15				49
65+50 LT	53		41	104	104	
67+15 LT	20	18		64	64	
68+22 RT	14	15				62
68+78 LT	14	15				60
68+90 RT	14	15				60
69+63 LT	14	15				67
69+88 RT	14	15				130
71+34 RT	14	15				174
72+18 RT	14	15				47
73+31 LT	14	15				63
73+52 RT	14	15				62
74+37 LT	14	15		109	109	
74+47 RT	14	15				72
75+70 RT	14	15				99
76+74 RT	14	15				103
77+82 RT	14	15				98
78+51 LT	14	15		92	92	
79+30 RT	16	16				56
79+85 RT	16	16				62
80+49 LT	14	15				83
81+32 RT	14	15		42	42	
82+90 LT	14	15				91
87+65 RT	14			64	64	
89+27 RT	12					75
90+27 RT	12			62	62	
91+17 LT	12			57	57	
91+85 RT	20			116	116	
92+60 LT	20	18				69

FLOWABLE FILL

AS DIRECTED BY ENGINEER

TOTAL (CY) 15

PLANS PREPARED AND SUBMITTED BY:
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REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:
SUMMARY QUANTITIES
EARNEY ROAD
DRAWING No. 06-01

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	PR-297-(057) CT. 1	10	86

SUMMARY OF QUANTITIES

			DRAINAGE ITEMS																					
STRUCTURE NUMBER	LOCATION	STATION	18" STORM DRAIN PIPE, HI-10	24" STORM DRAIN PIPE, HI-10	30" STORM DRAIN PIPE, HI-10	18" SIDE DRAIN PIPE, HI-10	24" SIDE DRAIN PIPE, HI-10	18" STORM DRAIN FLARED END SECTION	24" STORM DRAIN FLARED END SECTION	18" SIDE DRAIN FLARED END SECTION	24" SIDE DRAIN FLARED END SECTION	CATCH BASIN, GP 1	CATCH BASIN, GP 1 ADDITIONAL DEPTH	RECONSTRUCT CATCH BASIN, GP 1	DROP INLET, GP 1	DRAIN INLET, 18"	JUNCTION BOX	STORM SEWER MANHOLE, TP 1	STORM SEWER MANHOLE, TP1 ADDL DEPTH, CL 1	CLASS A CONCRETE INCL. REIN. STEEL	RIP RAP, TP 3 12" DEPTH	PLASTIC FILTER FABRIC	18" CMP STORM DRAIN PIPE, HI-10	SPECIAL DESIGN GRATE INLET FOR DRIVEWAYS (GDOT CONST. DETAIL D27)	COMMENTS
EARNEY ROAD			LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	EA	EA	EA	EA	EA	LIN.FT.	EA	EA	EA	EA	EA	LIN.FT.	CY	SY	SY	LIN.FT.	EA	
A1	LT & RT	51+12	36					2																	
SD1	LT	51+98				28				2															
SD2	RT	52+19				58				2															
SD3	LT	52+95				28				2															
SD4	LT	54+08				41				2															
SD5	RT	54+35	94					1																	
B1.0	LT	55+34	81					1													100	100			
B1.1	LT	55+34	103												1										
B1.2	LT	55+34	18												1										
B1.3	LT	55+68	16																					1	
B1.4	LT	55+34													1								79		
B1.5	LT	55+34	26									1													
B2	RT	55+34										1													
B3	LT	54+72	55					1																	
B4	LT	58+98	360															1	1						
B5	RT	58+98	46									1													
B6	LT	59+25	23												1										
C1	LT	65+00	350									1													
C2	LT	68+00	50													1									
C3	LT	68+50	150									1													
C4	RT	68+50	26									1													
C5	LT	70+00	115									1													
C6	LT	71+15	135									1													
C7	RT	71+15	27									1													
C8	LT	72+50	135														1								
C9	LT	73+85	140														1								
C10	RT	73+85	28									1													
SD7	RT	74+47				38				2															
C11	LT	75+25	175														1								
SD8	RT	75+70				36				2															
C12	LT	76+39												1											
C13	LT	76+73												1											
SD9	RT	76+50	88					1																	
C14	LT	77+00		131														1	1						
C15	RT	77+00	30									1													
C17A	RT	77+50	75												1										
C16	LT	78+30		120													1								
C17	RT	78+30		124								1													
SD11X	RT	79+10	41					1																	
C18	LT	79+50		75													1								
C19	RT	79+60			60							1													
C19A	RT	79+60	12												1										
C20	LT	80+25			29												1								
C21	RT	80+25			14							1	1							2.32	8	8			
C22	RT	80+34		54					1												133	133			
D1	LT	86+55	63					2																	
SD12	RT	87+65				39				2															
SD13	RT	89+27					36				2														
E1	LT	90+68	72					1													20	20			
SD14	RT	90+27					36				2														
E2	LT	91+50										1													
E3	RT	91+19																			20	20			
		TOTALS	2570	504	103	268	52	10	1	14	4	15	1	2	6	1	6	2	2	2.32	281	281	79	1	

PLANS PREPARED AND SUBMITTED BY:

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CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

SUMMARY QUANTITIES

EARNEY ROAD

DRAWING No.
06-02

11/04/2016 GPLN

SUMMARY OF QUANTITIES

STATION	INSTL. NO.	HIGHWAY SIGNS												SQUARE TUBE POST									BREAKAWAY SIGN SUPPORT (EACH)
		SIGN CODE	TP 1MATL, REFL SHEETING TP 9			TP 2 MATL, REFL SHEETING TP 9			TP 1MATL, REFL SHEETING TP II			TP 2 MATL, REFL SHEETING TP II			TYPE 7			TYPE 8			TYPE 9			
			SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	
EARNEY RD																								
57+75		W2-2							30X30	1	6.25										N/A	N/A	N/A	
		W16-8P							42X8	1	2.33										15	1	15	
59+60		R3-7R							30X30	1	6.25				13	1	13							
60+38		R1-1							36X36	1	7.46							N/A	N/A	N/A				
		D3-1	48X12	1	4.00													N/A	N/A	N/A				
		D3-1	66X12	1	5.50													15	2	30				1
61+75		W2-2							30X30	1	6.25										N/A	N/A	N/A	
		W16-8P							42X8	1	2.33										15	1	15	
64+50		W2-2							30X30	1	6.25										N/A	N/A	N/A	
		W16-8P							36X8	1	2.00										15	1	15	
66+43		R1-1							36X36	1	7.46				N/A	N/A	N/A							
		D3-1	48X12	1	4.00										N/A	N/A	N/A							
		D3-1	54X12	1	4.50										15	2	30							
67+75		W2-2							30X30	1	6.25										N/A	N/A	N/A	
		W16-8P							36X8	1	2.00										15	1	15	
75+00		W2-2							30X30	1	6.25										N/A	N/A	N/A	
		W16-8P							48X8	1	2.67										15	1	15	
76+25		R1-1							36X36	1	7.46				13	1	13							
76+31		R1-1							36X36	1	7.46							N/A	N/A	N/A				
		D3-1	48X12	1	4.00													N/A	N/A	N/A				
		D3-1	78X12	1	6.50													15	2	30				1
76+85		R1-1							36X36	1	7.46				13	1	13							
78+00		W2-2							30X30	1	6.25										N/A	N/A	N/A	
		W16-8P							48X8	1	2.67										15	1	15	
81+00		W2-2							30X30	1	6.25										N/A	N/A	N/A	
		W16-8P							36X8	1	2.00										15	1	15	
83+55		R1-1							36X36	1	7.46							N/A	N/A	N/A				
		D3-1	54X12	1	4.50													N/A	N/A	N/A				
		D3-1	60X12	1	5.00													15	2	30				1
85+00		W2-2							30X30	1	6.25										N/A	N/A	N/A	
		W16-8P							36X8	1	2.00										15	1	15	
85+01		W2-2							30X30	1	6.25				N/A	N/A	N/A							
		W16-8P							30X8	1	1.67				15	1	15							
86+19		R1-1							36X36	1	7.46				N/A	N/A	N/A							
		D3-1	48X12	1	4.00										N/A	N/A	N/A							
		D3-1	42X12	1	3.50										15	2	30							
88+00		W2-2							30X30	1	6.25				N/A	N/A	N/A							
		W16-8P							30X8	1	1.67				15	1	15							
SHEET TOTALS			TP 1MAT'L TP 9 REFL:		45.50	TP 2 MAT'L TP 9 REFL:			TP 1MAT'L TP IIREFL:		142.31	TYPE 2 SUB LENGTH:			TYPE 7 SUB LENGTH:		129	TYPE 8 SUB LENGTH:		90	TYPE 9 SUB LENGTH:		120	BSS: 3

REMOVE AND RESET SIGNS	
STATION	EACH
71+70	1
81+00	1

RAISED PAVEMENT MARKERS (EACH)			
LOCATION	REFLECTIVE-RAISED		
	YELLOW	CLEAR	CLEAR/ RED
	TYPE 1	TYPE 2	TYPE 3
EARNEY ROAD	120	--	7

NOTES: 1. TYPE 1,2, AND 3 PAVEMENT MARKERS SHALL BE SPACED AS SPECIFIED ON THE RAISED PAVEMENT MARKERS LOCATION DETAILS.

TRAFFIC STRIPE/MARKING			
DESCRIPTION	UNIT	QUANTITY	
		PAINT	THERMOPLASTIC
5"SOLID WHITE	LIN FEET	--	9250
5"SOLID YELLOW	LIN FEET	--	8500
24"SOLID WHITE	LIN FEET	--	80
THERMO PVMT MARKING, ARROW, TP 2	EACH	--	2

PLANS PREPARED AND SUBMITTED BY:
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REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:
SUMMARY QUANTITIES
EARNEY ROAD
DRAWING No. 06-03

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
150-1000	TRAFFIC CONTROL - PR-297-(057) CT. 1	LS	1
163-0232	TEMPORARY GRASSING	AC	2.35
163-0240	MULCH	TN	100
163-0300	CONSTRUCTION EXIT	EA	2
163-0527	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	EA	65
163-0541	CONSTRUCT AND REMOVE ROCK FILTER DAMS	EA	6
163-0550	CONS & REM INLET SEDIMENT TRAP	EA	39
165-0010	MAINT OF TEMP SILT FENCE, TP A	LF	2518
165-0030	MAINT OF TEMP SILT FENCE, TP C	LF	1205
165-0041	MAINT OF CHECK DAMS - ALL TYPES	LF	1300
165-0101	MAINT OF CONST EXIT	EA	2
165-0105	MAINT OF INLET SEDIMENT TRAP	EA	39
165-0110	MAINT OF ROCK FILTER DAM	EA	6
167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	2
167-1500	WATER QUALITY INSPECTIONS	MO	12
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	5035
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	2410
207-0203	FOUNDATION BACKFILL MATERIAL, TYPE II	CY	400
210-0100	GRADING COMPLETE - PR-297-(057) CT. 1	LS	1
210-0250	UNDERCUT EXCAVATION	CY	400
310-5060	GR AGGR BS CRS 6IN INCL MATL	SY	1335
310-5100	GR AGGR BS CRS 10IN INCL MATL	SY	13000
318-3000	AGGR SURF CRS	TN	200
402-1802	RECYL AC PATCHING INCL BM & HL	TN	200
402-1812	RECYL AC LEVELING INCL BM & HL	TN	200
402-3121	RECYL AC 25 MM SP, GP 1 OR 2, INC BM & HL	TN	2830
402-3130	RECYL AC 12.5 MM SP, GP 2, INC BM & HL	TN	1150
402-3190	RECYL AC 19 MM SP, GP 1 OR 2, INC BM & HL	TN	1415
413-0750	TACK COAT	GL	2320
432-5010	MILL ASPH CONC, PVMT, VARIABLE DEPTH	SY	300
441-0016	DRIVEWAY CONCRETE, 6 IN TK	SY	3165
441-0104	CONC SIDEWALK, 4 IN.	SY	40
441-0303	CONC SPILLWAY, TP 3	EA	2
441-4020	CONC VALLEY GUTTER, 6 IN	SY	529
441-4030	CONC VALLEY GUTTER, 8 IN	SY	51
441-6216	CONC CURB & GUTTER, 8 X 24, TP2	LF	6505
500-3800	CL A CONC, INCL REINF STEEL	CY	2.32
550-1180	STM DR PIPE 18,H 1-10	LF	2649
550-1240	STM DR PIPE 24,H 1-10	LF	504
550-1300	STM DR PIPE 30,H 1-10	LF	103
550-2180	SIDE DR PIPE 18,H 1-10	LF	268
550-2240	SIDE DR PIPE 24,H 1-10	LF	52
550-4118	FLARED END SECT 18 IN, SIDE DR	EA	14
550-4124	FLARED END SECT 24 IN, SIDE DR	EA	4
550-4218	FLARED END SECT 18 IN, ST DR	EA	10
550-4224	FLARED END SECT 24 IN, ST DR	EA	1
600-0001	FLOWABLE FILL	CY	15
603-2180	STN DUMPED RIP RAP, TP 3, 12	SY	281
603-7000	PLASTIC FILTER FABRIC	SY	281
610-0209	REM CH LK FENCE, 4 FT	LF	1142
610-5788	REM CH LK FENCE GATE	EA	2
611-3000	RECONSTR CATCH BASIN, GROUP 1	EA	2
611-5004	RESET CH LK FENCE GATE	EA	1
611-5010	RESET CH LK FENCE, 4 FT	LF	100
611-5360	RESET HIGHWAY SIGN	EA	2
634-1200	RIGHT OF WAY MARKERS	EA	99
636-1033	HWY SGN,TP 1 MAT,REFL SH TP 9	SF	45.50
636-1036	HWY SGN,TP 1 MAT,REFL SH TP 11	SF	142.31
636-2070	GALV STEEL POSTS, TP 7	LF	129
636-2080	GALV STEEL POSTS, TP 8	LF	90
636-2090	GALV STEEL POSTS, TP 9	LF	120
636-3010	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	EA	3
643-0050	TEMPORARY FIELD FENCE	LF	220
643-1432	CH LK FENCE, PVC, 4 FT, 9 GA	LF	1650
643-8030	GATE, CHAIN LINK, PVC COAT	EA	2
643-8200	BARRIER FENCE (ORANGE), 4 FT.	LF	100
652-0120	PAVEMENT MARKING, ARROW, TP 2	EA	2
653-1501	THERMO SOLID TRAF ST, 5 IN, WHI	LF	9250
653-1502	THERMO SOLID TRAF ST, 5 IN, YEL	LF	8500
653-1704	THERM SOLID TRAF STRIPE,24 IN,WH	LF	80
654-1001	RAISED PVMT MARKERS TP 1	EA	120
654-1003	RAISED PVMT MARKERS TP 3	EA	7
668-1100	CATCH BASIN, GP 1	EA	15
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	LF	1
668-2100	DROP INLET, GP 1	EA	6
668-4300	STORM SEW MANHOLE, TP 1	EA	2
668-4311	ST SEW MANHOLE,TP 1,ADD'L DEPTH,CL 1	LF	2
668-5000	JUNCTION BOX	EA	6
668-7000	DRIVEWAY GRATE INLET, SPECIAL DESIN, PIPE SIZE 18 INCH	EA	1
668-7018	DRAIN INLET, 18 IN	EA	1
700-6910	PERMANENT GRASSING	AC	4.65
700-7000	AGRICULTURAL LIME	TN	9.3
700-8000	FERTILIZER MIXED GRADE	TN	4.65
700-8100	FERTILIZER NITROGEN CONTENT	LB	930
700-9300	SOD	SY	1750
711-0100	TURF REINFORCING MATTING, TP1	SY	900
716-2000	EROSION CONTROL MATS, SLOPES	SY	4000

PLANS PREPARED AND SUBMITTED BY:
Branch Offices
65 Aberdeen Drive, Glasgow, KY 42141, (270) 651-7220
1634 White Circle, Suite 101, Marietta, GA 30066, (770) 421-8422
2500 Nelson Miller Parkway, Louisville, KY 40223, (502) 245-3813
AEI
AMERICAN ENGINEERS, INC.
www.aei.cc
PROFESSIONAL ENGINEERING
DESIGN CONSULTANT

N. T. S.

REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

DETAILED ESTIMATE

EARNEY ROAD

DRAWING No. 9-01

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	13	86

CONTROL DATA TABLE				
POINT	NORTH	EAST	ELEV.	DESC.
7	1503911.115	2231313.675	1099.03	6ID NAIL
8	1504222.368	2230939.373	1079.24	6ID NAIL

CONSTR. CENTERLINE
FOR: C506
PI STA.: 61+55.80
N 1503814.51
E 2231371.72
DELTA: 32°26'49"
DEGREE: 06°00'00"
TAN: 277.86
LENGTH: 540.78
RADIUS: 954.93
PC: 58+77.95
PT: 64+18.73
TRANS. LENGTH: 138
SUPER ELEV. RATE: 3.75%

CONSTR. CENTERLINE
FOR:505
PI STA.: 48+92.43
N 1504714.68
E 2230478.18
DELTA: 18°01'40"
DEGREE: 03°00'00"
TAN: 302.97
LENGTH: 600.92
RADIUS: 1909.86
PC: 45+89.46
PT: 51+90.39
TRANS. LENGTH: 138
SUPER ELEV. RATE: 3.00%

SIDE ROAD CENTERLINE
FOR:1010
PI STA.: 198+75.49
N 1503815.54
E 2231205.60
DELTA: 38°50'08"
DEGREE: 32°57'45"
TAN: 61.27
LENGTH: 117.82
RADIUS: 173.82
PC: 198+14.22
PT: 199+32.04
TRANS. LENGTH: 115.58
SUPER ELEV. RATE: EXIST

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINT. OF SLOPE
EASEMENT FOR CONSTR. & MAINT. OF SEDIMENT BASINS
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS

PLANS PREPARED AND SUBMITTED BY:

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65 Aberdeen Drive, Glasgow, KY 42141, (270) 651-7220
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CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
MAINLINE PLAN
STA. 49+50 TO STA. 62+00
EARNEY ROAD
13-01

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	14	86

CONTROL DATA TABLE				
POINT	NORTH	EAST	ELEV.	DESC.
5	1503630.040	2232462.335	1047.59	6ID NAIL
6	1503653.938	2231995.651	1067.26	6ID NAIL

MATCH LINE STA. 62+00
EARNEY ROAD DRAWING 13-01

STA 65+10.73
END S.E.

STA 63+72.75
END FULL S.E.

STA 66+10.64 EARNEY RD =
STA 10+00 HILL CREST RD

WILLIAM GARRETT &
FRANCIS OWENS
44

WILLIAM GARRETT &
FRANCIS OWENS
50

CITIBANK, N. A.
52

1/2 SF CONSTRUCTION EASEMENT

PT 69+18.76

PC 66+87.76

N 1503670.95
E 2232015.00

STA 70+39.35
END N.C.

PT 71+35.56

STA 71+56.35
BEGIN S.E.

N 1503605.15
E 2232510.20

STA 72+94.35
BEGIN FULL S.E.

MARTHA J. COFER
WILLIAM M. &
58

NOTE: DO NOT DISTURB OAK TREE AT STA. 72+70, 40' LT

WOODROW & LOUISE
WILSON
61

RECONST EXIST CATCH BASINS & ADJUST TO GRADE. REMOVE EX C&G

MITZI & LANCE
SAXON
62

LIMITS OF CONST.
CHEROKEE SPRING DRIVE
STA. 10+60.00

STA 13+04.16

PT STA. 12+15.82

MATCH EXISTING C&G
+60.00
10.21'

PT STA. 11+32.62

MATCH EXISTING C&G
+60.00
10.15'

CHEROKEE SPRING DRIVE
CR 1473

EARNEY ROAD
CR 291

S 77°14'11" E
268.99'

C 507

S 85°47'24" E
41.57'

CTRL PT. *6

CTRL PT. *5

C 508

89°55' RT

SIGN

NOTE: CONTRACTOR TO PRESERVE THE TWO CHERRY TREES IN ESMT

MATCH EXIST. C&G
+45.40
10.26'

STA. 10+45.40

MATCH EXISTING C&G
+45.40
11.80'

DO NOT DISTURB SUBDIVISION MONUMENTS

CR 932
CREST
ROAD

HILL

POESTA. 12+37.07

12+37

LIMITS OF CONST.
HILL CREST ROAD
STA. 10+45.40

KENNETA C.
& ROBIN D.
CAVENDER
46

47

48
CHRISTOPHER M.
BETTY J.
FARMER

49
CURT E. GARREN

51
VICKIE R.
MAKRIDES

53
ANDREW J. &
SUSAN K. KALFER

54
LEE ALBERT

56
DELOACH

57
JOHN CHRIS &
C. LYNN LANDRY

59
B. BELCHER
TRUST

60
ANNIE M. &
ROBERT R. MAGLIOZZI

55
TYLER REED JOHNSON &
GINA MARIE MONFORD

63
DOYLE E. &
CAMELLE DAVIS

64
JEFFREY PAUL
& RUTH ANN

NOTE: REMOVE LARGE MAPLE TREE AND STUMP AT STA. 76+00 RT

STA 76+55.78 EARNEY RD =
STA 10+00 CHEROKEE SPRING DR

LL 711
LL 712
LL 729
LL 730

MATCH LINE STA. 77+00
EARNEY ROAD DRAWING 13-03

CONSTR. CENTERLINE
FOR: C507
PI STA.: 69+12.06
N 1503644.14
E 2232123.85
DELTA: 08°33'13"
DEGREE: 01°54'35"
TAN: 224.35
LENGTH: 447.86
RADIUS: 3000.00
PC: 66+87.71
PT: 71+35.58
TRANS. LENGTH: N/A
SUPER ELEV.&RATE: NC

CONSTR. CENTERLINE
FOR: C508
PI STA.: 76+28.16
N 1503591.50
E 2232838.85
DELTA: 64°24'16"
DEGREE: 09°00'00"
TAN: 451.05
LENGTH: 805.06
RADIUS: 716.20
PC: 71+77.11
PT: 79+82.16
TRANS. LENGTH: VARIES
SUPER ELEV. RATE: 4.00%

CONSTR. CENTERLINE
FOR: C571
PI STA.: 11+74.33
N 1503567.03
E 2232937.94
DELTA: 09°59'03"
DEGREE: 12°00'00"
TAN: 41.71
LENGTH: 83.20
RADIUS: 477.47
PC: 11+32.62
PT: 12+15.82
TRANS. LENGTH: N/A
SUPER ELEV. RATE: NC

NOTE: SECTION A-A @ STA 10+45.40, HILL CREST RD, REMOVE EX. C & G

ABANDON EXISTING PIPES AND SAFELOAD

NOTE: GEOMETRIC DESIGN, RIGHT-OF-WAY AND EASEMENTS BY OTHERS. THESE ITEMS SHOWN ON PLANS FOR INFORMATION ONLY.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR. OF SLOPES
EASEMENT FOR CONSTR. OF DRIVES

SCALE IN FEET
0 50 100 200

PLANS PREPARED AND SUBMITTED BY:

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DATE	REVISIONS	DATE	REVISIONS

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
MAINLINE PLAN
STA. 62+00 TO STA. 77+00
EARNEY ROAD

13-02

DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	15	86

CONTROL DATA TABLE				
POINT	NORTH	EAST	ELEV.	DESC.
1	1502432.9316	2233641.4171	988.38	6ID NAIL
2	1502730.0715	2233344.0513	1008.57	6ID NAIL
3	1502959.3442	2233139.5099	1014.21	6ID NAIL
4	1503470.5806	2232810.2732	1028.87	6ID NAIL

CONSTR. CENTERLINE
FOR: C572
PI STA.: 11+40.77
N 1502807.59
E 2233550.86
DELTA: 40°03'36"
DEGREE: 17°00'00"
TAN: 122.87
LENGTH: 235.65
RADIUS: 337.03
PC: 10+17.90
PT: 12+53.55
TRANS. LENGTH: N/A
SUPER ELEV. RATE: NC

MATCH LINE STA. 77+00
EARNEY ROAD DRAWING 13-02

CTRL PT *1

65 DANIEL C. & MIRIAM BURK

STA 79+61.63
END FULL S.E.

67 ALAN W. & SUSIE CARROLL

STA 83+27.78 EARNEY RD
CONSTR. CENTERLINE
STA 10+13.62 KUYKENDALL DRIVE

STA 80+38.63
END & BEGIN S.E.

STA 84+56.26
END & BEGIN S.E.

STA 83+79.26
END FULL S.E.

70 CARL M. & ARRY R. GESSNER
PARCEL NO. 70
REQ'D 95.10 C227
REQ'D 2,868.50 SQ. FT.
0.066 ACRES
REM. 39,284.07 SQ. FT.
0.902 ACRES

STA 81+15.83
BEGIN FULL S.E.
CENTERLINE FOR
R/W ACQUISITION

82+50 83+15
55' 82' 55' 82'

END C&G
+86.85
11.00'

PT 83+87.00

STA. 13+26.02

PT STA. 12+53.55

CR 935 HILL TOP ROAD C572

LIMITS OF CONST.
HILL TOP ROAD
STA. 10+55.20

72 EDWARD M. & LORI J. PEQUITA

CONSTRUCTION
CENTERLINE

STA 85+33.26
BEGIN FULL S.E.

PI STA. 11+40.77

STA 86+17.82
END FULL S.E.

74 GREGORY J. & CARLA A.. STIVER

STA 88+30.24
BEGIN S.E.

STA 89+68.24
BEGIN FULL S.E.

N 1502459.79
E 2233710.30

77 TIMOTHY & TAMMY HICKS

STA 92+12.86
END FULL S.E.

10 SY RIP RAP TYPE 3
10 SY PLASTIC
FILTER FABRIC
12" DEPTH

LL 731
LL 730

77+10 40' | 78+20 40' 92' | 78+28 100' | 78+80 40' 100' | 80+20 40' 100' | 80+73 100' | 77+04 40' 80' | 77+52 40' 80' | 78+12 40' 80' | 79+05 40' 60' | 79+53 40' 60' 100' | 80+03 40' | 80+40 30' | 80+06.16 50' | 50' 10' GATE | 80+13 74' 100' | 80+36.35 80+73 165' | 80+38.89 175' | 81+00 220' | 81+25 215' | 81+25 205' | 81+55 55' | 81+40 32.26' 165' | 81+55 165' | 81+26.74 | 30' | 92+71.08 | 55' | 81+55 55' | 81+96.04 44.87' | 83+02.31 58.08' | 83+57.20 47.37' | 84+03.58 | 84+50 | 85+00 | 85+50 | 86+00 | 86+37 40' | 86+60 65' | 86+93 65' | 87+00 40' | 89+07 40' | 89+30 90' | 89+61 40' | 89+78 90' | 89+95 40' | 90+28 80' | 90+54 80' | 90+61 60' | 90+80 30' 40' 60' | 90+85 40' 80' | 91+09 30' 40' 60' | 91+29 30' 40' 60' | 91+45 40' 80' | 91+58 40' | 91+74 80' | 92+20 40' 60' | 92+59 30' 40' | 92+80 40' 60' | 92+13 40' | 90+10 80' | 93+11.77

STA. 12+45.58

DRIVEWAY TO BE CONSTRUCTED WITH CONCRETE

DRIVEWAY TO BE REPLACED WITH CONCRETE

8 SY RIP RAP TP 3
8 SY PLASTIC
FILTER FABRIC
12" DEPTH

PERMANENT DETENSION BASIN SEE GRADING SHEET 18-01

REQ'D R/W

PERM ESMT AREA *1

PERM ESMT AREA *2

CHAIN LINK FENCE TO RUN ALONG PROPOSED R/W ENDING AT EXISTING DRIVEWAY ALONG KUYKENDALL ROAD.

CONTRACTOR TO PLACE TEMPORARY FENCE ALONG PARCEL 68 IN COORDINATION WITH THE PROPERTY OWNER. BEFORE REMOVING EXISTING FENCE.

CONC. SPILLWAY TYPE C

CTRL PT *3

DITCH

CONSTRUCTION CENTERLINE

NOTE: CONTRACTOR TO REMOVE THE TWO LARGE PINE TREES EAST OF PROPOSED POND

CENTERLINE FOR R/W ACQUISITION

CTRL PT *2

BEGIN C&G
+48.31
11.74'

END C&G
+58.15
12.13'

KUYKENDALL DRIVE

LIMITS OF CONST.
KUYKENDALL ROAD
STA. 11+05.00

71 TOMMY & TAMMY EVANS

STA 86+55.40
EARNEY RD
CONSTR. CL=
STA 10+00.42
HILL TOP RD

STATION EQUALITY:
STA. 86+80.59 BACK =
STA. 86+72.48 AHEAD

PC 85+25.51 C232

PT 86+43.49 C232

CONC. SPILLWAY TYPE C

STA 86+86.81
END S.E.

END C&G
+87.00
11.00'

DO NOT DISTURB WOOD RAIL FENCE

REMOVE DN & PIPE

CTRL PT *4

78 CAPITAL CITY CLUB

END PROJECT
STA 93+00
EARNEY ROAD

64

66 DOYLE E. & CAMELLE DAVIS ROGER L. & WANDA L. CHAPMAN

68 CHARLES DELANEY COFFEER

69 LANELL RACHELL KUYKENDALL

73 MICHAEL D. & FRANCINE R. JOHNSON

73A FRANCINE RENEE JOHNSON

75 MICHAEL D. & FRANCINE R. JOHNSON

75A TOMMY B. WILLINGHAM

76 BFP FARMS LLC

76A BFP FARMS LLC

76A BFP FARMS LLC

DENSE TREES

DIRT DR.

DETENTION POND

GRAVEL DRIVE

CHAIN LINK FENCE

EARNEY ROAD

HILL TOP ROAD

CONSTR. CENTERLINE
FOR: C510
PI STA.: 85+77.17
N 1502754.10
E 2233405.29
DELTA: 15°20'26"
DEGREE: 08°00'00"
TAN: 96.46
LENGTH: 191.76
RADIUS: 716.20
PC: 84+80.72
PT: 86+72.48
TRANS. LENGTH: N/A
SUPER ELEV. RATE: N/A

CONSTR. CENTERLINE
FOR: C227
PI STA.: 82+47.09
N 1502924.82
E 2233099.93
DELTA: 39°24'19.8"
DEGREE: 13°30'00"
TAN: 151.98
LENGTH: 291.89
RADIUS: 424.41
PC: 80+95.10
PT: 83+87.00
TRANS. LENGTH: 77
SUPER ELEV. RATE: 4.00%

CENTERLINE FOR
R/W ACQUISITION
FOR: C509
PI STA.: 82+47.09
N 1502924.82
E 2233099.93
DELTA: 39°24'27"
DEGREE: 08°15'00"
TAN: 248.72
LENGTH: 477.67
RADIUS: 694.49
PC: 79+98.38
PT: 84+76.04
TRANS. LENGTH: N/A
SUPER ELEV. RATE: N/A

CONSTR. CENTERLINE
FOR: C232
PI STA.: 85+84.86
N 1502754.10
E 2233405.29
DELTA: 15°20'18.4"
DEGREE: 13°00'00"
TAN: 59.35
LENGTH: 117.99
RADIUS: 440.74
PC: 85+25.51
PT: 86+43.49
TRANS. LENGTH: 77
SUPER ELEV. RATE: 4.00%

CONSTR. CENTERLINE
FOR: C511
PI STA.: 91+21.62
N 1502371.37
E 2233794.12
DELTA: 31°06'45"
DEGREE: 08°00'00"
TAN: 199.38
LENGTH: 388.91
RADIUS: 716.20
PC: 89+22.24
PT: 93+11.15
TRANS. LENGTH: 138
SUPER ELEV. RATE: 4.00%

PLANS PREPARED AND SUBMITTED BY:

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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR. OF SLOPES
EASEMENT FOR CONSTR. OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS

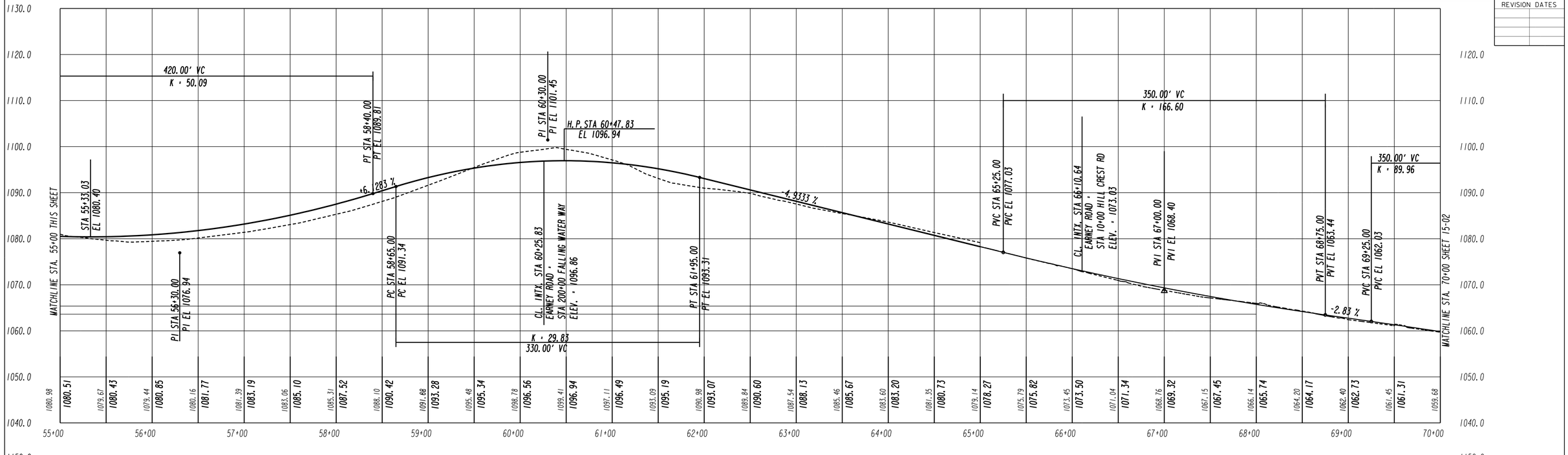
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
MAINLINE PLAN
STA. 77+00 TO STA. 93+00
EARNEY ROAD

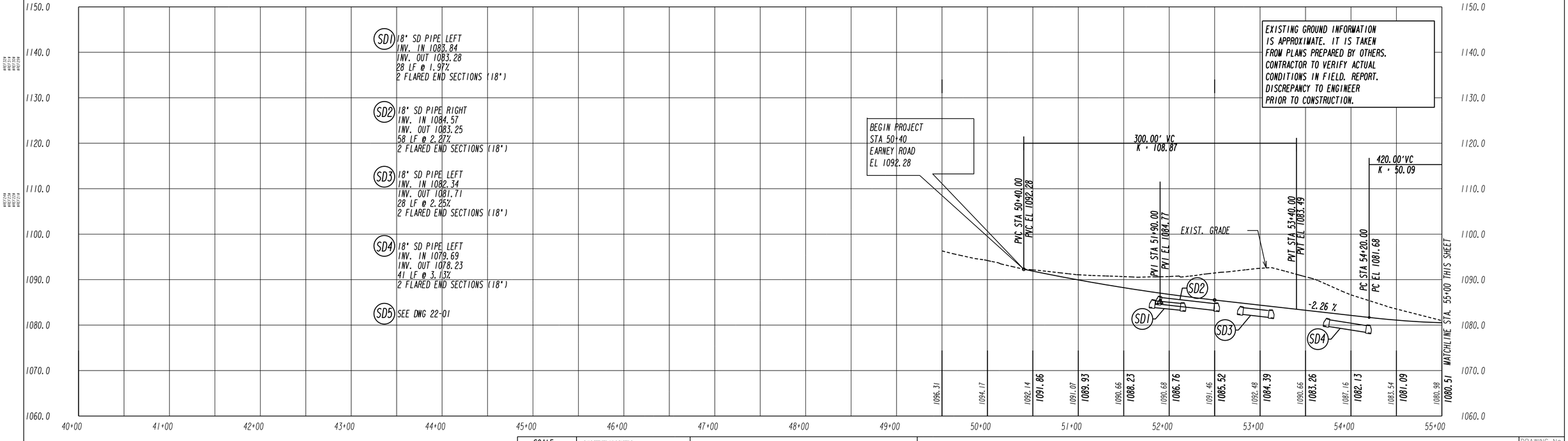
13-03

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PA-297-(057) CT. 1	16	86

REVISION DATES





SCALE	PLANS PREPARED AND SUBMITTED BY:	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY ROAD PROFILE	DRAWING No.
1:50 HORIZ. 1:10 VERT.	AMERICAN ENGINEERS, INC.		STA. 49+50 TO STA. 70+00	15-01

$DATE$
15-01.dgn
$version

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-1057) CT. 1	17	86

REVISION DATES

EXISTING GROUND INFORMATION IS APPROXIMATE. IT IS TAKEN FROM PLANS PREPARED BY OTHERS. CONTRACTOR TO VERIFY ACTUAL CONDITIONS IN FIELD. REPORT DISCREPANCY TO ENGINEER PRIOR TO CONSTRUCTION.

600.00' VC
K = 142.48

PC STA 86+08.12
PC EL 998.61

CONST. C EQUALITY
STA 86+80.59 BACK
STA 86+72.49 AHEAD

EXIST. GRADE

-3.46 %

PI STA 89+00.00
PI EL 988.25

SD14
24" SD PIPE RIGHT
INV. IN 988.06
INV. OUT 987.22
36 LF @ 1.75%
2 FLARED END SECTIONS (24")

L.P.
STA 90+92.07
EL 990.11

PT STA 92+00.00
PT EL 990.52

+0.7575 %

END PROJECT
STA 93+00
EL 991.28

WATCHLINE STA. 85+00 THIS SHEET

CL. INTX. STA. 86+55.40
EARNEY ROAD CONSTR. C
STA. 10+00.42
HILL TOP ROAD
ELEV. = 997.06

18" SD PIPE LEFT
INV. IN 994.72
INV. OUT 992.32
62 LF @ 3.87%
2 FLARED END SECTIONS (18")

SD12
18" SD PIPE RIGHT
INV. IN 992.46
INV. OUT 991.21
39 LF @ 2.43%
2 FLARED END SECTIONS (24")

SD13
24" SD PIPE RIGHT
INV. IN 989.19
INV. OUT 988.54
36 LF @ 1.35%
2 FLARED END SECTIONS (24")

1003.91 1002.34 | 1001.00 1000.62 | 999.01 998.89 | 996.93 997.23 | 995.53 995.51 | 994.33 994.22 | 993.26 993.11 | 992.28 992.17 | 991.32 991.41 | 990.33 990.82 | 990.34 990.41 | 989.44 990.18 | 988.90 990.12 | 988.51 990.23 | 990.39 990.52 | 991.12 990.90 | 991.40 991.28

85+00 86+00 87+00 88+00 89+00 90+00 91+00 92+00 93+00

250.00' VC
K = 74.11

150.00' VC
K = 75.27

CL. INTX. STA 76+55.78
EARNEY ROAD =
STA. 10+00 CHEROKEE
SPRING DRIVE
ELEV. = 1027.20

250.00' VC
K = 55.72

200.00' VC
K = 76.91

CL. INTX. STA 83+27.78
EARNEY ROAD CONSTR. C =
STA 10+13.62 KUYKENDALL DRIVE
ELEV. = 1008.31

PVI STA 71+00.00
PVI EL1057.07

PVRC STA 72+75.00
PVRC EL 1045.30

-6.72 %

PVI STA 74+00.00
PVI EL 1036.90

PVRC STA 75+25.00
PVRC EL 1032.71

-3.35 %

PVI STA 76+00.00
PVI EL 1030.20

PVI STA 76+75.00
PVI EL 1026.19

-5.34 %

PVC STA 77+50.00
PVC EL 1022.19

PVI STA 78+75.00
PVI EL 1015.51

PVI STA 80+00.00
PVI EL 1014.44

-0.86 %

PVC STA 81+00.00
PVC EL 1013.56

PVI STA 82+00.00
PVI EL 1012.73

PVI STA 83+00.00
PVI EL 1009.27

-3.46 %

EXIST. GRADE

WATCHLINE STA. 70+00 SHEET 15-01

WATCHLINE STA. 85+00 THIS SHEET

18" SD PIPE RIGHT
INV. IN 1032.91
INV. OUT 1030.71
40 LF @ 5.50%
2 FLARED END SECTIONS (18")

18" SD PIPE RIGHT
INV. IN 1026.91
INV. OUT 1025.11
44 LF @ 4.10%
2 FLARED END SECTIONS (18")

350.00' VC
K = 89.96

AEI PROFILE REVISIONS FROM STA 53+50 TO 64+00, AND STA 77+50 TO 92+00. REMAINING DESIGN BY OTHERS

18" SD PIPE RIGHT
INV. IN 1018.22
INV. OUT 1016.87
31 LF @ 4.35%
2 FLARED END SECTIONS (18")

18" SD PIPE RIGHT
INV. IN 1012.63
INV. OUT 1011.70
30 LF @ 3.10%
2 FLARED END SECTIONS (18")

18" SD PIPE RIGHT
INV. IN 1011.02
INV. OUT 1009.97
34 LF @ 3.10%
2 FLARED END SECTIONS (18")

1059.59 1057.85 | 1057.62 1055.81 | 1055.37 1053.27 | 1052.84 1050.25 | 1050.03 1045.90 | 1046.95 1041.13 | 1043.67 1036.29 | 1040.64 1033.85 | 1037.95 1031.38 | 1035.60 1029.57 | 1033.59 1028.26 | 1031.83 1027.68 | 1029.83 1026.30 | 1027.49 1024.58 | 1024.86 1021.68 | 1022.19 1018.49 | 1019.74 1015.58 | 1017.74 1013.78 | 1016.19 1011.60 | 1015.09 1010.54 | 1014.44 1010.06 | 1014.01 1009.99 | 1013.58 1008.77 | 1012.99 1010.08 | 1012.07 1011.38 | 1010.83 1011.33 | 1009.27 1009.93 | 1007.54 1007.65 | 1005.80 1006.42 | 1004.07 1003.91 | 1002.34

70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00 78+00 79+00 80+00 81+00 82+00 83+00 84+00 85+00

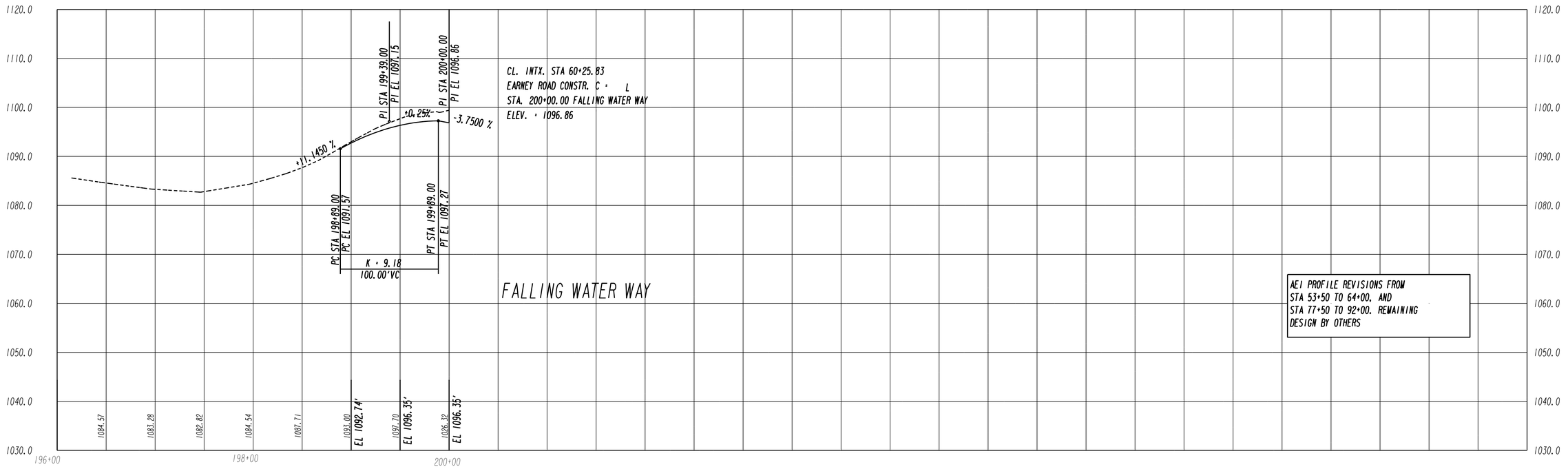
SCALE	PLANS PREPARED AND SUBMITTED BY:		
1:50 HORIZ.	AEI	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY ROAD PROFILE
1:10 VERT.	AMERICAN ENGINEERS, INC.		STA. 70+00 TO STA. 93+00

DRAWING No. 15-02

$DATE$
15-02.dgn
Jversion

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	18	86

REVISION DATES	



SCALE	PLANS PREPARED AND SUBMITTED BY:			DRAWING No.
1:50 HORIZ. 1:10 VERT.	AMERICAN ENGINEERS, INC.	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	FALLING WATER WAY STA. 198+89.00 TO STA. 200+00.00	16-01

#DATE#
16-01.dgn
Jversion

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	19	86

REVISION DATES

20.00VG

PVC STA 10+11.00
PVC EL 1027.64
PVT STA 10+31.00
PVT EL 1029.95
PVI STA 10+60.00
PVI EL 1034.27

+14.90 %
+4.00 %
+8.00 %

PVI STA 10+00.00
PVI EL 1027.20
PVI STA 10+21.00
PVI EL 1028.44

CL. INTX. STA 76+55.78
EARNEY ROAD CONSTR. ℄ ·
STA. 10+00.00 CHEROKEE SPRING DRIVE
ELEV. · 1027.20

CHEROKEE SPRING DRIVE

1026.32 1027.20 | 1032.80 1032.78 | 1039.88 | 1045.80 | 1050.32 | 1054.28 | 1057.70

AEI PROFILE REVISIONS FROM
STA 53+50 TO 64+00, AND
STA 77+50 TO 92+00. REMAINING
DESIGN BY OTHERS

EXISTING GROUND INFORMATION
IS APPROXIMATE. IT IS TAKEN
FROM PLANS PREPARED BY OTHERS.
CONTRACTOR TO VERIFY ACTUAL
CONDITIONS IN FIELD. REPORT.
DISCREPANCY TO ENGINEER
PRIOR TO CONSTRUCTION.

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00

1060.0 1050.0 1040.0 1030.0 1020.0 1010.0 1000.0 990.0 980.0 970.0

CL. INTX. STA 66+10.64
EARNEY ROAD CONSTR. ℄ ·
STA. 10+00.00 HILL CREST ROAD
ELEV. · 1073.03

PVI STA 10+00.00
PVI EL 1073.03

-2.08 % -3.69 %

PVI STA 10+11.00
PVI EL 1072.84
PVI STA 10+45.40
PVI EL 1071.57

HILL CREST ROAD

1072.85 1073.03 | 1071.44 | 1070.05 | 1068.16 | 1065.17

AEI PROFILE REVISIONS FROM
STA 53+50 TO 64+00, AND
STA 77+50 TO 92+00. REMAINING
DESIGN BY OTHERS

EXISTING GROUND INFORMATION
IS APPROXIMATE. IT IS TAKEN
FROM PLANS PREPARED BY OTHERS.
CONTRACTOR TO VERIFY ACTUAL
CONDITIONS IN FIELD. REPORT.
DISCREPANCY TO ENGINEER
PRIOR TO CONSTRUCTION.

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00

1120.0 1110.0 1100.0 1090.0 1080.0 1070.0 1060.0 1050.0 1040.0 1030.0

#857254 #857255 #857256 #857257 #857258 #857259 #857260

SCALE
1:50 HORIZ.
1:10 VERT.

PLANS PREPARED AND SUBMITTED BY:

AEI
AMERICAN ENGINEERS, INC.
PROFESSIONAL ENGINEERING
DESIGN CONSULTANT

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

CHEROKEE SPRINGS DRIVE
HILL CREST ROAD

STA. 10+00.00 TO STA. 10+60.00
STA. 10+00.00 TO STA. 10+45.40

DRAWING No.
16-01

$DATE$
16-01.dgn
Jversion

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	20	86

REVISION DATES

CT. 1

CL. INTX. STA 86+55.40
EARNEY ROAD CONSTR. C · L
STA. 10+00.42 HILL TOP ROAD
ELEV. · 997.07

20.00VC

PVT STA 10+00.42
PVT EL 997.07
PVI STA 10+21.42
PVI EL 997.59
PVT STA 10+50.00
PVT EL 999.50

+2.01 %
+6.63 %

PVC STA 10+11.42
PVC EL 997.25
PVT STA 10+31.42
PVT EL 998.26

HILL TOP ROAD

996.80 999.49 999.50 1001.87 1003.45 1004.69 1006.02 1007.05

AEI PROFILE REVISIONS FROM
STA 53+50 TO 64+00. AND
STA 77+50 TO 92+00. REMAINING
DESIGN BY OTHERS

EXISTING GROUND INFORMATION
IS APPROXIMATE. IT IS TAKEN
FROM PLANS PREPARED BY OTHERS.
CONTRACTOR TO VERIFY ACTUAL
CONDITIONS IN FIELD. REPORT.
DISCREPANCY TO ENGINEER
PRIOR TO CONSTRUCTION.

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00

1060.0 1050.0 1040.0 1030.0 1020.0 1010.0 1000.0 990.0 980.0 970.0

CL. INTX. STA 83+27.78
EARNEY ROAD CONSTR. C · L
STA. 10+13.62 KUYKENDALL
ELEV. · 1008.79

100.00VC
20.00VC

PVI STA 10+13.62
PVI EL 1008.31
PVI STA 10+34.62
PVI EL 1009.15
PVC STA 10+85.00
PVC EL 1011.36
PVI STA 11+35.00
PVI EL 1013.58
PVT STA 11+85.00
PVT EL 1014.23
PVI STA 12+00.00
PVI EL 1014.44

+4.00 %
+4.43 %
+1.31 %

PVC STA 10+24.62
PVC EL 1008.75
PVT STA 10+44.62
PVT EL 1009.59

KUYKENDALL DRIVE

1011.87 1010.51 1009.83 1012.00 1012.00 1013.78 1013.60 1014.44 1014.44

EXISTING GROUND INFORMATION
IS APPROXIMATE. IT IS TAKEN
FROM PLANS PREPARED BY OTHERS.
CONTRACTOR TO VERIFY ACTUAL
CONDITIONS IN FIELD. REPORT.
DISCREPANCY TO ENGINEER
PRIOR TO CONSTRUCTION.

AEI PROFILE REVISIONS FROM
STA 53+50 TO 64+00. AND
STA 77+50 TO 92+00. REMAINING
DESIGN BY OTHERS

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00

1060.0 1050.0 1040.0 1030.0 1020.0 1010.0 1000.0 990.0 980.0 970.0

#857254 #857253 #857254 #857254 #857254

#857254 #857253 #857254 #857254

SCALE	PLANS PREPARED AND SUBMITTED BY:		
1:50 HORIZ. 1:10 VERT.	AEI AMERICAN ENGINEERS, INC.	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	HILL TOP ROAD KUYKENDALL DRIVE

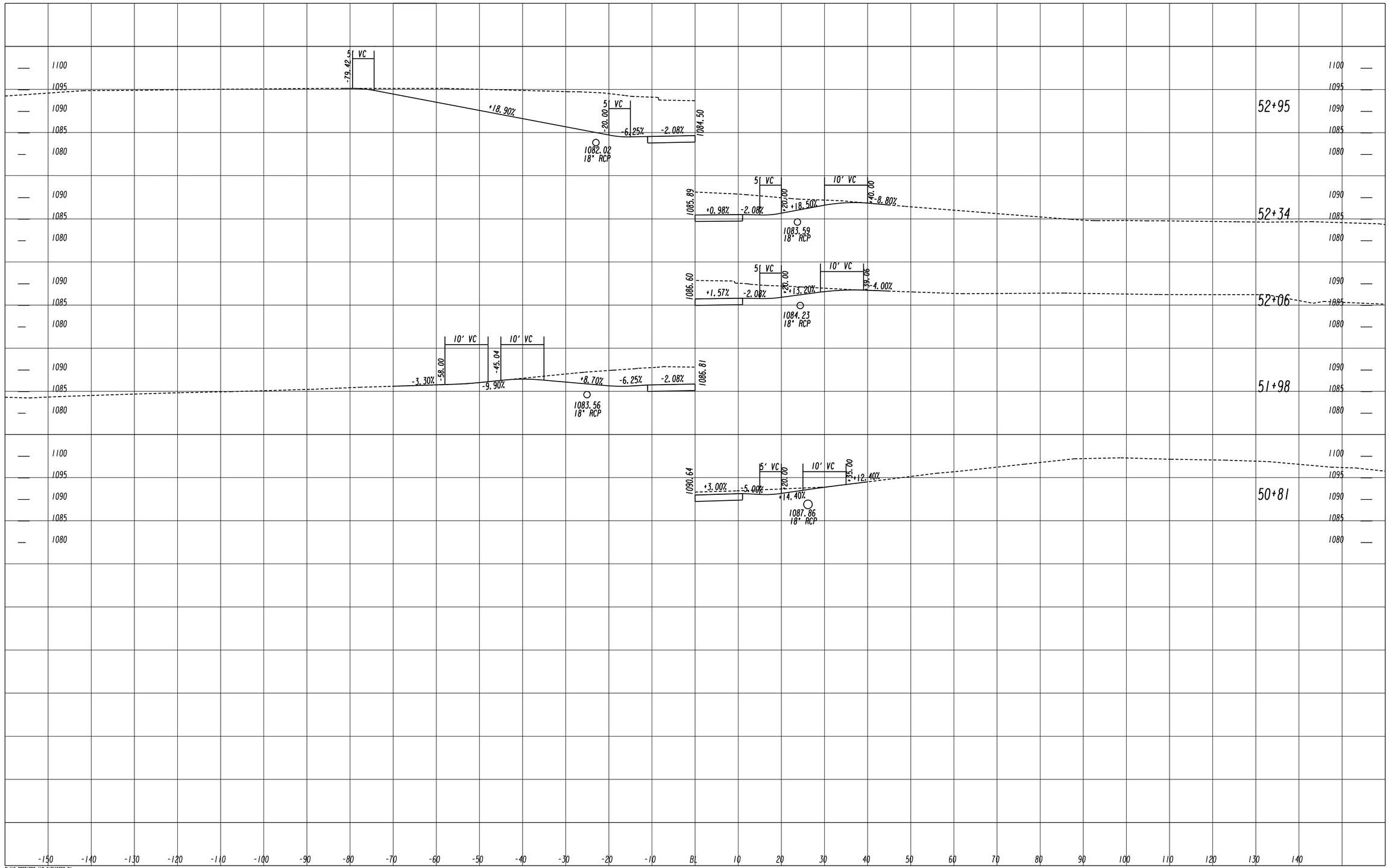
STA. 10+00.42 TO STA. 10+55.00
STA. 10+13.62 TO STA. 12+00.00

DRAWING No. 16-03

$DATE$
16-01.dgn
Jversion

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	21	86

REVISION DATES



PLANS PREPARED AND SUBMITTED BY:

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Marietta, GA 30066
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(502) 339-1111

Bowling Green Office
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Bowling Green, KY 4240
(270) 782-3686

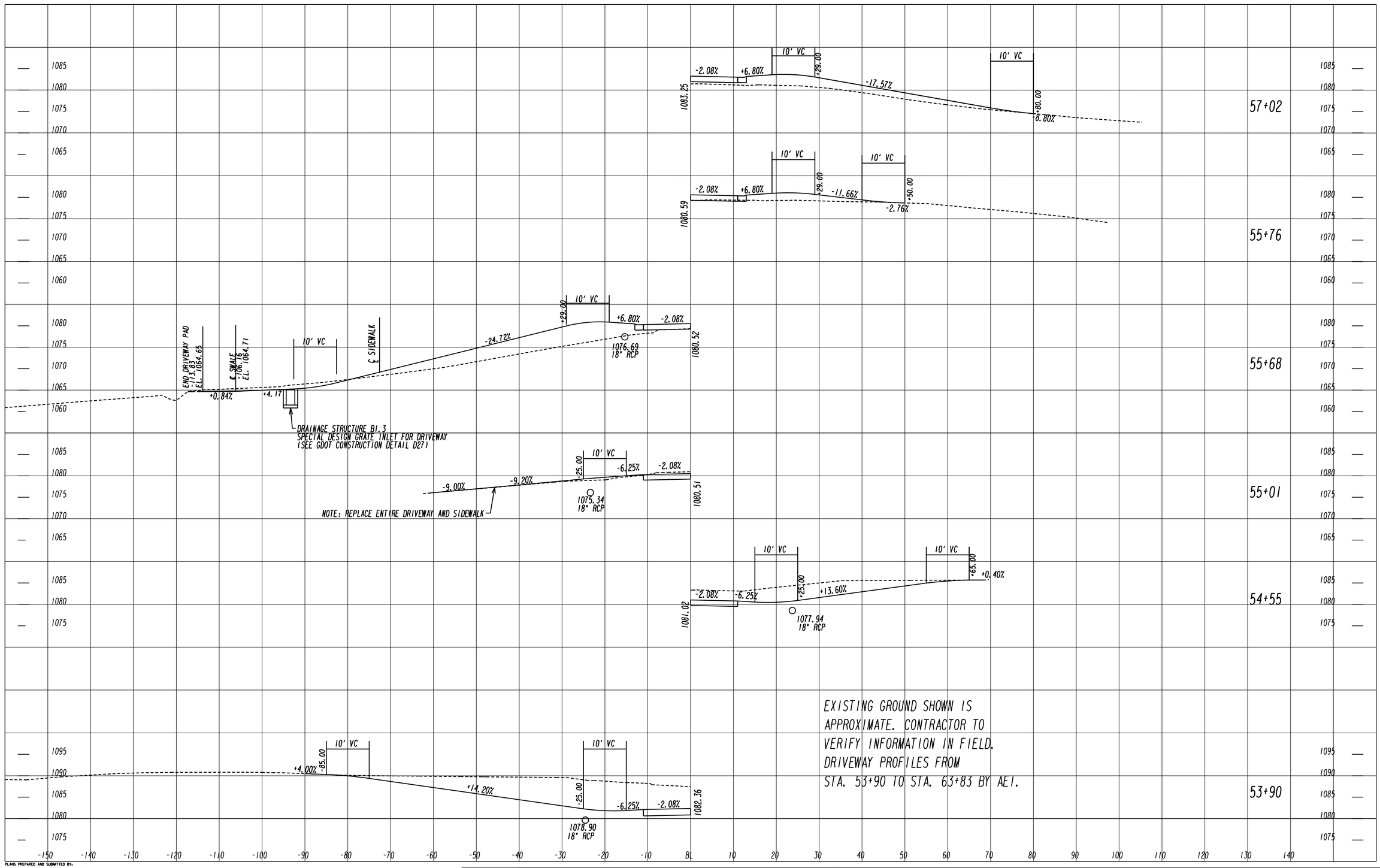
AMERICAN ENGINEERS, INC.
www.aei.us
PROFESSIONAL ENGINEERING
DESIGN CONSULTANT

#DATE#
17-01.dgn
Jversion

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD	DRIVEWAY PROFILES STA. 49+53 TO 52+95	DRAWING No. 17-01
1:10 HORIZ. 1:10 VERT.					

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	22	86

REVISION DATES



EXISTING GROUND SHOWN IS APPROXIMATE. CONTRACTOR TO VERIFY INFORMATION IN FIELD. DRIVEWAY PROFILES FROM STA. 53+90 TO STA. 63+83 BY AEI.

PLANS PREPARED AND SUBMITTED BY:

AEI
AMERICAN ENGINEERS, INC.
www.aei.us
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Atlanta Office
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Louisville Office
714 Lyndon Lane, Suite 9
Louisville, KY 40222
(502) 339-0190

Bowling Green Office
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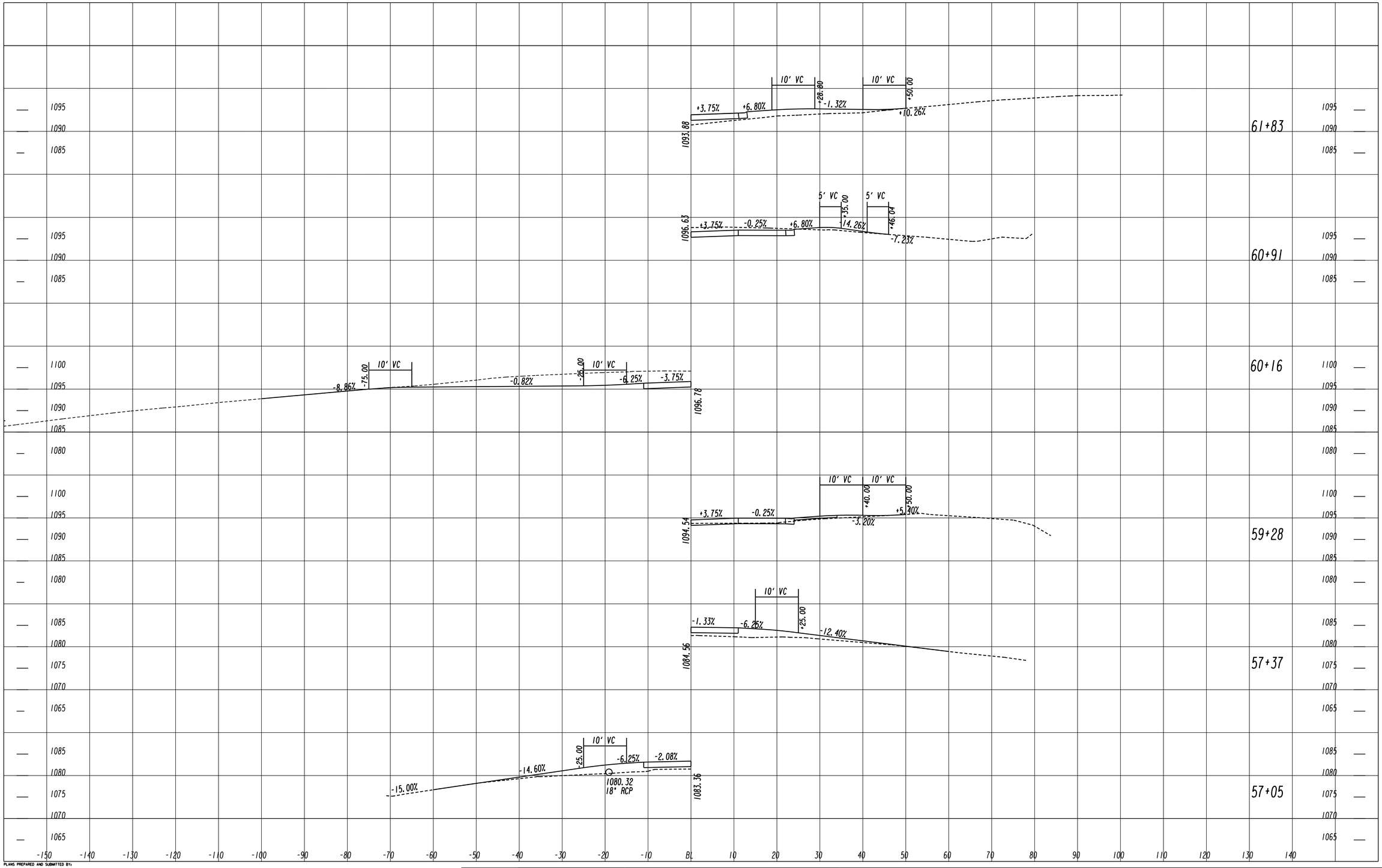
Bowling Green, KY 42104
(270) 782-8686

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD	DRAWING No.
1:10 HORIZ.			DRIVEWAY PROFILES	
1:10 VERT.			STA. 53+90 TO STA. 57+02	17-02

#DATE#
17-01.dgn
Jversion

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	23	86

REVISION DATES



PLANS PREPARED AND SUBMITTED BY:

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Marietta, GA 30066
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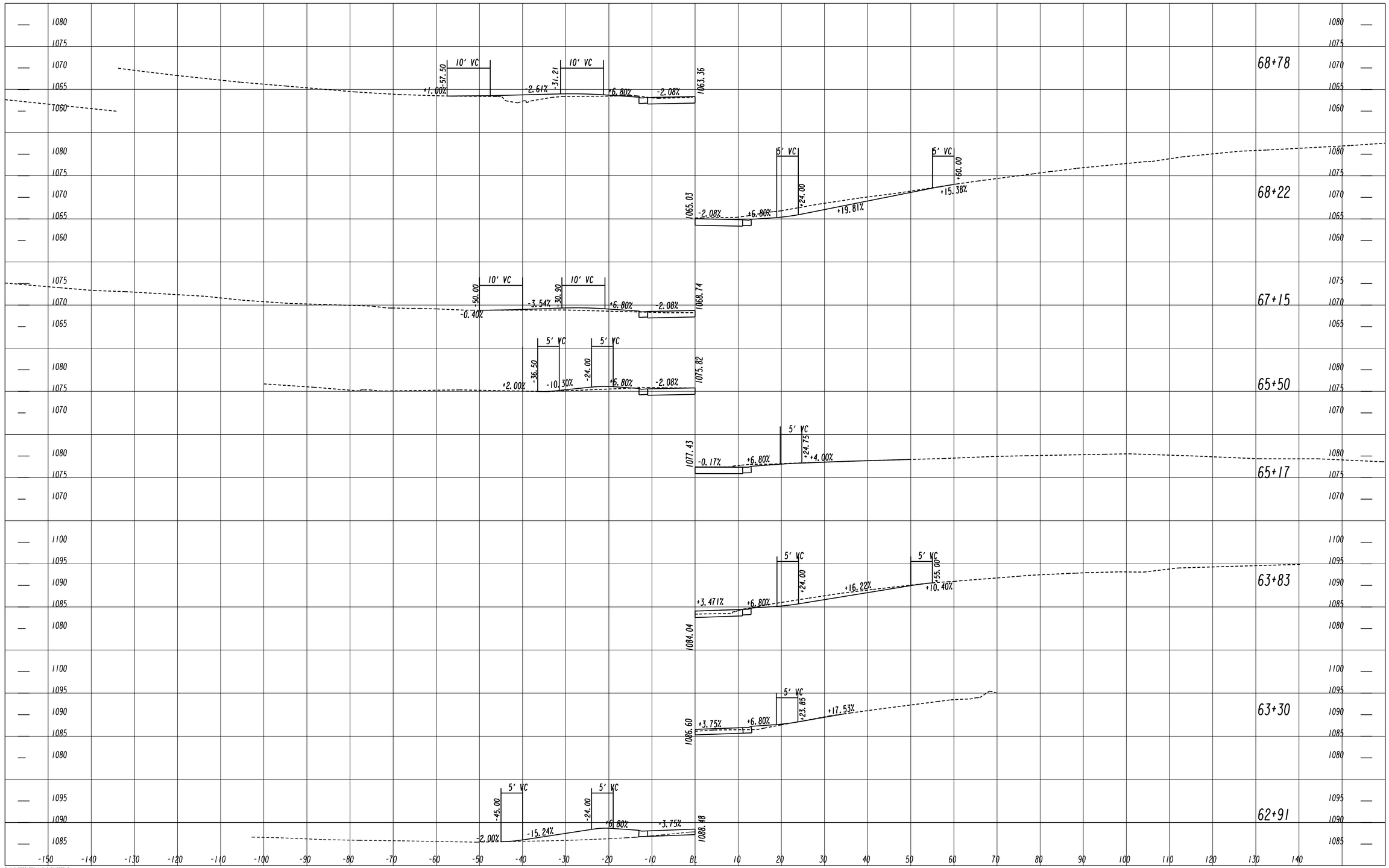
○ 1945 Scottsville Road, Suite 105
Bowling Green, KY 42104
(270) 782-8686

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD	DRIVEWAY PROFILES STA. 57+05 TO STA. 61+83	DRAWING No. 17-03
1:10 HORIZ. 1:10 VERT.					

#DATE#
17-01.dgn
Jversion

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	24	86

REVISION DATES



PLANS PREPARED AND SUBMITTED BY:

AEL — AMERICAN ENGINEERS, INC.
www.aeiusa.com
PROFESSIONAL ENGINEERING
DESIGN CONSULTANT

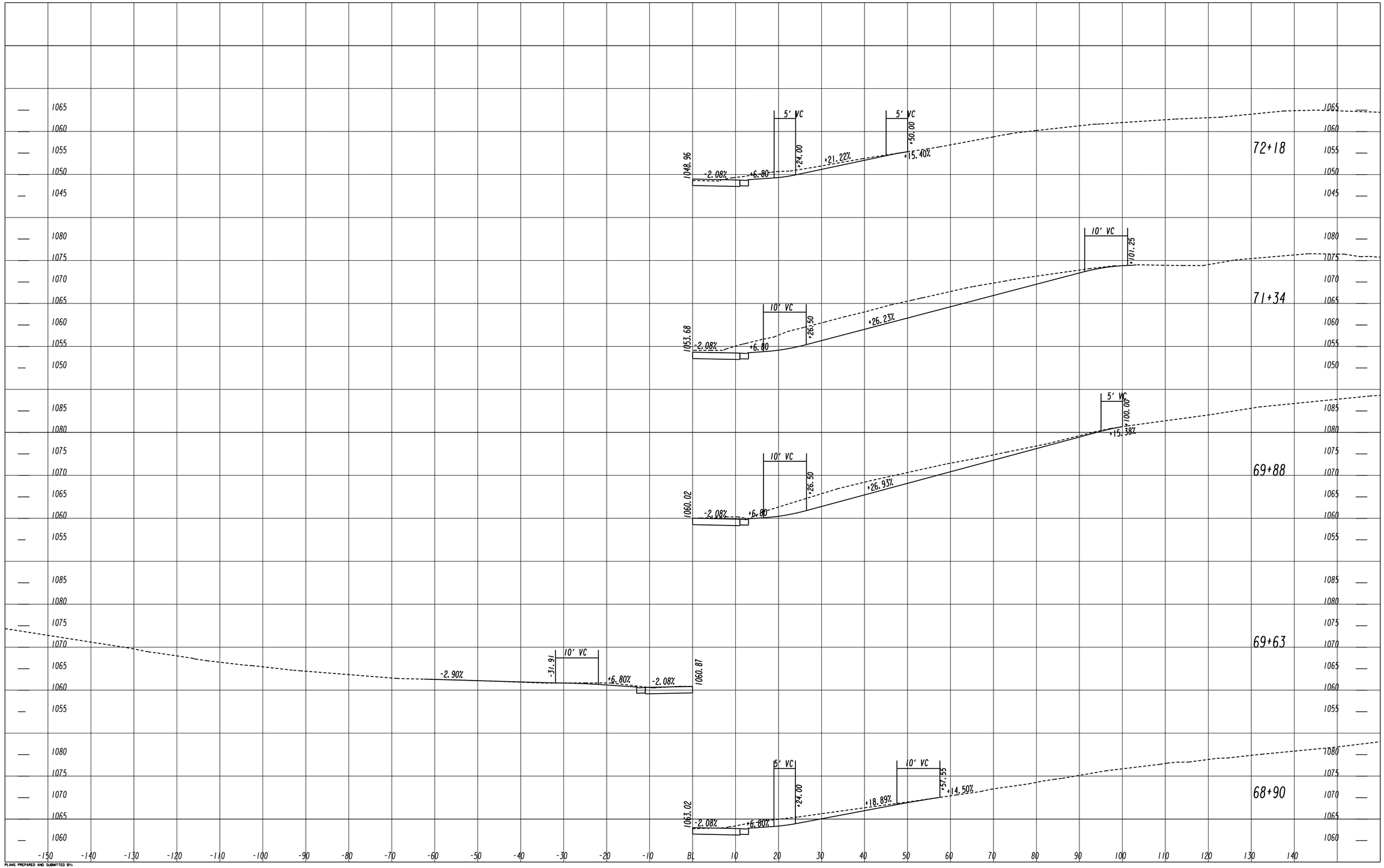
Atlanta Office: 655 Aberdeen Drive, Dacula, GA 30019, (770) 614-7220
Atlanta Office: 6534 White Circle, Suite 101, Marietta, GA 30066, (770) 421-8422
Louisville Office: 714 Lyndon Lane, Suite 9, Louisville, KY 40222, (502) 339-9190
Bowling Green Office: 1945 Scottsville Road, Suite 105, Bowling Green, KY 42104, (270) 782-8686

#DATE#
17-01.dgn
Jversion

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD	DRIVEWAY PROFILES STA. 62+92 TO STA. 68+78	DRAWING No. 17-04
1:10 HORIZ. 1:10 VERT.					

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	25	86

REVISION DATES



PLANS PREPARED AND SUBMITTED BY:

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PROFESSIONAL ENGINEERING

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Woodstock, GA 30188
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Bowling Green Office
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Bowling Green, KY 42104
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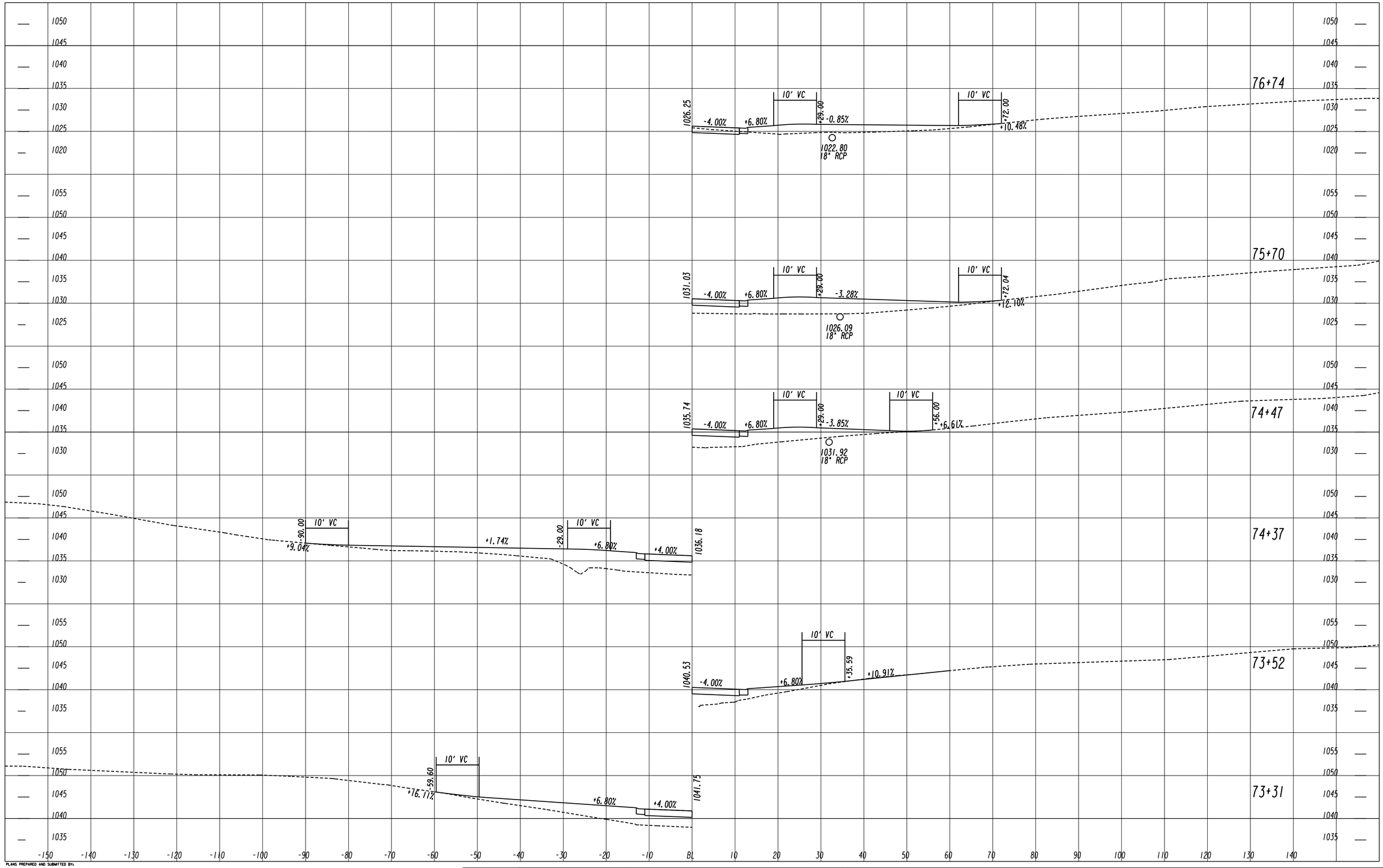
Atlanta Office
834 Whitlock Circle, Suite 101
Canton, GA 30114
(770) 420-9422

#DATE#
17-01.dgn
Jversion

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD	DRAWING No.
1:10 HORIZ.			DRIVEWAY PROFILES	17-05
1:10 VERT.			STA. 68+90 TO STA. 72+18	

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	26	86

REVISION DATES



PLANS PREPARED AND SUBMITTED BY:

AEI

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955 Aberdeen Drive
Dalton, GA 30720
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Martinez, GA 30064
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Bowling Green Office
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Bowling Green, KY 42104
(270) 782-8686

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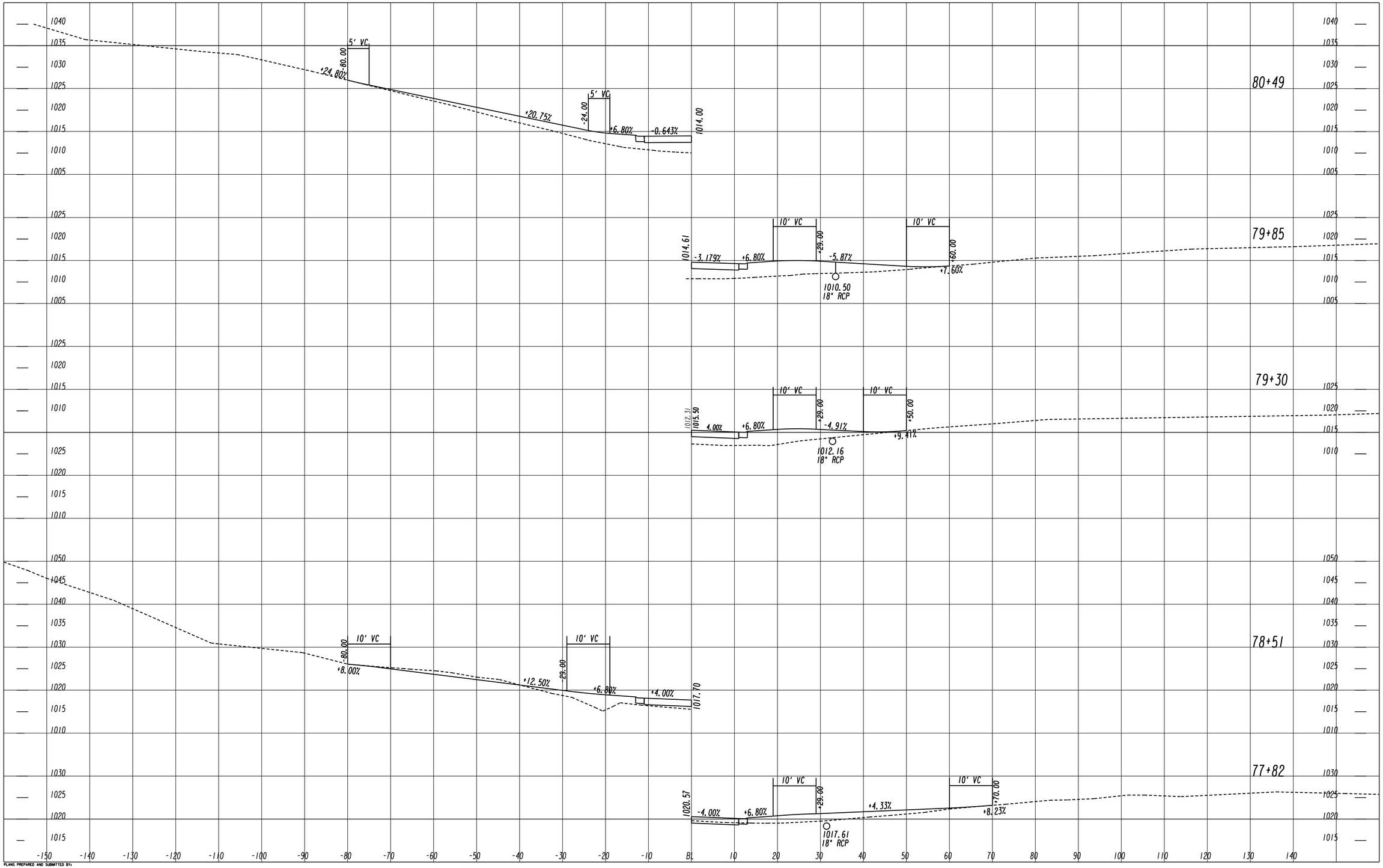
DESIGN CONSULTANT

#DATE#
17-01.dgn
Jversion

SCALE			DRAWING No.
1:10 HORIZ. 1:10 VERT.	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD DRIVEWAY PROFILES STA. 73+31 TO 76+74	17-06

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	27	86

REVISION DATES



PLANS PREPARED AND SUBMITTED BY:

Branch Offices

○ 65 Abercorn Drive
Louisville, KY 40223
(270)400-7295

● 634 Metry Circle, Suite 101
Bowling Green, KY 42104
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○ 714 Lyndon Lane, Suite 9
Louisville, KY 40222
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○ 1945 Scottsville Road, Suite 105
Bowling Green, KY 42104
(270) 782-8686

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DESIGN CONSULTANT

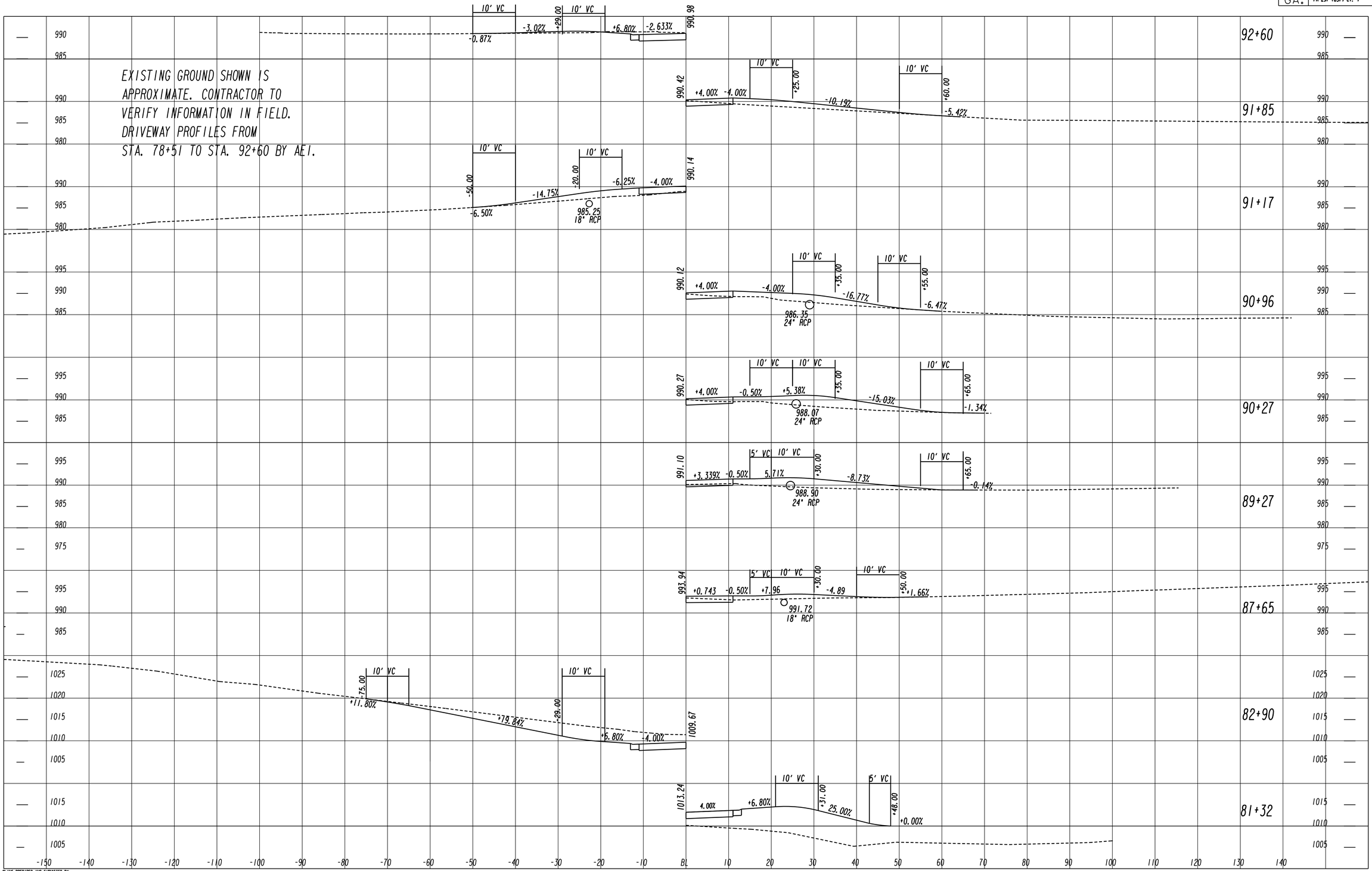
#DATE#
17-01.dgn
Jversion

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD	DRIVEWAY PROFILES STA. 77+82 TO STA. 80+51	DRAWING No. 17-07
1:10 HORIZ. 1:10 VERT.					

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	28	86

REVISION DATES

EXISTING GROUND SHOWN IS APPROXIMATE. CONTRACTOR TO VERIFY INFORMATION IN FIELD. DRIVEWAY PROFILES FROM STA. 78+51 TO STA. 92+60 BY AEI.



PLANS PREPARED AND SUBMITTED BY:

Jason Allen

AEI

O 55 Aberdeen Drive, Glasgow, KY 42141, (270) 651-7220
O 114 Lyndon Lane, Suite 9, Louisville, KY 40222, (502) 339-4216
O 634 White Cross, Suite 101, Marietta, GA 30066, (770) 421-8402
O 1845 Scottsville Road, Suite 105, Bowling Green, KY 42104, (270) 782-8686

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DESIGN CONSULTANT
PROFESSIONAL ENGINEERING

#DATE#
17-01.dgn
Jversion

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD	DRIVEWAY PROFILES STA. 81+32.28 TO STA. 92+60	DRAWING No. 17-08
1:10 HORIZ. 1:10 VERT.					

S21°57'07"E

F. B. DITCH

REQ'D R/W

PT 79+82.18

1010

1005

80+06.50'

BASIN BOTTOM
EL. 1005.00

I.E. 1005.00

10' BERM EL. 1010.00

8 SY RIP RAP TYPE 3
8 SY PLASTIC
FILTER FABRIC
12" DEPTH

2:1 SLOPES

80+36.35
80+73
165'

4:1 SLOPES

133 SY RIP RAP TYPE 3
133 SY PLASTIC
FILTER FABRIC
12" DEPTH

80+38.89
175'

10' SPILLWAY

O.E. 1004.50

PERM ESMT
AREA #1

81+00
220'
81+25
215'

CTRL PT #3

81+26.74
30'

4:1 SLOPES

82+71.08
55'

81+55
55'

81+96.04
44.87'

81+40
32.26'
165'

4:1 SLOPES

PERM ESMT
AREA #2

81+55
165'

81+00
81+25
205'

CONTRACTOR TO REMOVE TWO LARGE PINE TREES AS A PART OF GRADING COMPLETE.

CHAIN LINK FENCE TO RUN ALONG PROPOSED R/W ENDING AT EXISTING DRIVEWAY ALONG KUYKENDALL RAOD.

CONC. S
TYPE C

DITCH

PLANS PREPARED AND SUBMITTED BY:

AEI

Branch Offices
○ 65 Aberdeen Drive, Glasgow, KY 42141 (270) 651-7220
● 1634 White Circle, Suite 101, Marietta, GA 30066 (770) 421-8422
○ 714 Lyndon Lane, Suite 9, Louisville, KY 40222 (502) 339-1090
○ 1945 Scottsville Road, Suite 116B, Bowling Green, KY 42104 (270) 782-8686

AMERICAN ENGINEERS, INC.
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PROFESSIONAL ENGINEERING
DESIGN CONSULTANT

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR. OF SLOPES
EASEMENT FOR CONSTR. OF DRIVES

SCALE IN FEET
0 20 40 80

REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:

SPECIAL GRADING

EARNEY ROAD

DRAWING No. 18-01

1/5/2009 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	30	86

REVISION DATES

B6 REQ'D 1 MEDIAN DROP INLET H=6.0'
(GDOT STANDARD 9031-S)
4:1
3.750%
3.750%
0.250%
1091.75
F.L. 1086.41
REQ'D 18" STORM DRAIN PIPE
23 LF @ 4.47%

STA. 59+25

B4 REQ'D 1 MANHOLE H=6.25'
(GDOT STANDARD 1011)
4:1
3.055%
1091.50
3.055%
0.250%
B5 REQ'D 1 CATCH BASIN H=6.0'
(GDOT STANDARD 1033-D)
F.L. 1085.43
REQ'D 18" STORM DRAIN PIPE
46 LF @ 6.96%
F.L. 1088.51

STA. 58+98

REQ'D 18" STORM DRAIN PIPE
360 LF @ 2.66%

B1.1 REQ'D: 1 DROP INLET H=4.08'
(GDOT STD. 1019A-TYPE C)
TOP EL. 1054.42
GRASSED SWALE ON TOP OF STORM DRAIN PIPE RUN
REQ'D 18" STORM DRAIN PIPE
103 LF @ 9.26%
F.L. 1051.11
F.L. 1051.01
REQ'D 18" STORM DRAIN PIPE
81 LF @ 9.44%
100 SY RIP RAP, TP 3
12' DEPTH WITH PLASTIC FILTER FABRIC
F.L. 1043.36
B1.0 REQ'D 18" FES (GDOT STD 1120)

B1.5 REQ'D CATCH BASIN, H=5.58'
(GDOT STANDARD 1013AD)
2.080%
1086.40
2.080%
B2 REQ'D CATCH BASIN, H=4.83'
(GDOT STD 1034D)
4:1

STA. 55+34

B1.4 REQ'D: 1 MEDIAN DROP INLET H=4.08'
(GDOT STD. 9031S)
TOP EL. 1064.47
GRASSED SWALE ON TOP OF STORM DRAIN PIPE RUN
B1.2 REQ'D: 1 DROP INLET H=4.08'
(GDOT STD. 1019A-TYPE C)
TOP EL. 1064.06
4" CONC. DRIVEWAY PAD
REQ'D 18" CMP STORM DRAIN PIPE
79 LF @ 18.43%
F.L. 1075.72
F.L. 1075.87
REQ'D 18" STORM DRAIN PIPE
26 LF @ 2.16%
F.L. 1076.49
F.L. 1076.39
F.L. 1060.65
F.L. 1060.75
F.L. 1061.16
F.L. 1061.06
REQ'D 18" STORM DRAIN PIPE
18 LF @ 1.72%
B3 STA. 54+72 LT
REQ'D 18" STORM DRAIN PIPE
55 LF @ 2.12%
1 FLARED END SECTIONS (GA STD 1120)
F.L. 1077.18
SD5 STA. 54+35 RT
REQ'D 18" STORM DRAIN PIPE
94 LF @ 1.83%
1 FLARED END SECTIONS (GA STD 1120)
F.L. 1078.32

MATCHLINE "A"

REQ'D DITCH BLOCK
ELEV. 1089.64
41.29
6.25%
3.00%
3.00%
5.00%
4:1
2:1
1086.35
0.50%
A1 REQ'D 18" STORM DRAIN PIPE
36 LF @ 3.25%
F.L. 1084.86
2 FLARED END SECTIONS (GA STD 1120)
14 SY RIP RAP, TP3
14 SY FILTER FABRIC
F.L. 1086.22

STA. 51+12

MATCHLINE "A"

PLANS PREPARED AND SUBMITTED BY:

AMERICAN ENGINEERS, INC.

#DATE#
22-01.dgn
Jversion

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD DRAINAGE X-SECTION	DRAWING No.
1:10 HORIZ. 1:10 VERT.				22-01

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	AR-297 (057) CT. 1	31	86

REVISION DATES

REQ'D 18" STORM DRAIN PIPE
135 LF @ 7.72%

C8 REQ'D 1 JUNCTION BOX
GA STD 9031U
TOP EL. 1046.78
H=3.25

2.71% 2.71%

F.L. 1044.25
F.L. 1044.05

STA. 72+50

REQ'D 18" STORM DRAIN PIPE
135 LF @ 4.20%

C6 REQ'D: 1 CATCH BASIN H=6.00'
(GDOT STD 1033D)
TOP EL. 1055.25

C7 REQ'D: 1 CATCH BASIN H=5.50'
(GDOT STD 1033D)
TOP EL. 1055.09

0.67% 2.08%

F.L. 1049.92
F.L. 1050.12

REQ'D 18" STORM DRAIN PIPE
27 LF @ 0.52%

F.L. 1050.26

STA. 71+15

REQ'D 18" STORM DRAIN PIPE
115 LF @ 4.00%

C5 REQ'D: 1 CATCH BASIN H=6.00'
(GDOT STD 1033D)
TOP EL. 1060.05

2.08%

F.L. 1054.72
F.L. 1054.92

STA. 70+00

REQ'D 18" STORM DRAIN PIPE
150 LF @ 2.91%

C3 REQ'D: 1 CATCH BASIN H=6.00'
(GDOT STD 1033D)
TOP EL. 1064.92

C4 REQ'D: 1 CATCH BASIN H=5.50'
(GDOT STD 1033D)
TOP EL. 1064.92

2.08% 2.08%

F.L. 1061.29

F.L. 1059.29
F.L. 1059.49

REQ'D 18" STORM DRAIN PIPE
26 LF @ 1.15%

F.L. 1059.79

STA. 68+50

REQ'D 18" STORM DRAIN PIPE
50 LF @ 2.94%

C2 REQ'D: 1 DRAIN INLET H=3.5'
(GDOT STD 1035)
28.00' LT.

2.08% 2.08%

F.L. 1060.96

REQ'D 18" STORM DRAIN PIPE
350 LF @ 3.45%

STA. 68+00

C1 REQ'D: 1 CATCH BASIN H=6.00'
(GDOT STD 1033D)
TOP EL. 1078.71

2.08% 0.29%

F.L. 1073.38

STA. 65+00

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 BL 10 20 30 40 50 60 70 80 90 100 110 120 130 140

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DATE
22-02.dgn
Iversion

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD DRAINAGE X-SECTION	DRAWING No.
1:10 HORIZ. 1:10 VERT.				22-02

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	32	86

REVISION DATES

C16 REQ'D 1 JUNCTION BOX
GA STD 9031U
TOP EL. 1018.73
H=3.67

C17

C17 REQ'D: 1 CATCH BASIN H=4.83'
(GDOT STD 1033D)
TOP EL. 1018.92

STA. 78+30

4.00% 4.00%

1015.14

F.L. 1015.76
F.L. 1015.56

REQ'D 24" STORM DRAIN PIPE
131 LF @ 2.85%

F.L. 1014.59
F.L. 1014.79

REQ'D 18" STORM DRAIN PIPE
75 LF @ 3.13%

C17A REQ'D: 1 MEDIAN DROP INLET H=4.08'
(GDOT STD 9031S
TOP EL. 1020.72

STA. 77+50

4.00% 4.00%

F.L. 1017.14
F.L. 1017.34

C14 REQ'D 1 STANDARD BRICK MANHOLE
TOP EL. 1026.00
(GDOT STANDARD 1011A)
H=7.00'

SD9 STA. 76+50 RT
REQ'D 18" STORM DRAIN PIPE
88 LF @ 7.23
REQD 1 18" FES

F.L. 1023.70

STA. 77+00

4.00% 4.00%

F.L. 1022.75
F.L. 1019.50

REQ'D 18" STORM DRAIN PIPE
30 LF @ 0.90%

F.L. 1020.00

F.L. 1020.27

C15 REQ'D 1 CATCH BASIN H=5.50'
(GDOT STD 1033D)
TOP EL. 1025.10

C12

REQ'D 18" STORM DRAIN PIPE
175 LF @ 5.69%

C11 REQ'D 1 JUNCTION BOX
GA STD 9031U
TOP EL. 1032.71
H=3.83

STA. 75+25

4.00% 4.00%

1027.97

F.L. 1030.16
F.L. 1029.96

REQ'D 18" STORM DRAIN PIPE
140 LF @ 2.34%

C9 REQ'D 1 JUNCTION BOX
GA STD 9031U
TOP EL. 1038.72
H=6.09

C10 REQ'D: 1 CATCH BASIN H=5.50'
(GDOT STD 1033D)
TOP EL. 1038.96

STA. 73+85

4.00% 4.00%

F.L. 1033.43
F.L. 1033.63

REQ'D 18" STORM DRAIN PIPE
28 LF @ 1.79%

F.L. 1034.13

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 BL 10 20 30 40 50 60 70 80 90 100 110 120 130 140

1030 1025 1020 1015 1010 1045 1040 1035 1030 1025 1040 1035 1030 1025 1045 1040 1035 1030 1025 1040 1035 1030 1025

REQ'D 18" STORM DRAIN PIPE
REQ'D 18" STORM DRAIN PIPE
REQ'D 24" STORM DRAIN PIPE
REQ'D 18" STORM DRAIN PIPE
REQ'D 18" STORM DRAIN PIPE
REQ'D 18" STORM DRAIN PIPE

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22-03.dgn
Jversion

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD	DRAWING No.
1:10 HORIZ. 1:10 VERT.			DRAINAGE X-SECTION	22-03

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297 (057) CT. 1	33	86

REVISION DATES

E2 REQ'D: 1 CATCH BASIN H=4.83'
(GDOT STD 1033D)
TOP EL. 1090.18

4:1 4.000% 4.000% 4.00% 4:1

F.L. 1085.85

REQ'D 18" STORM DRAIN PIPE
72 LF @ 2.35%

STA. 91+50

DRIVEWAY

4.00% 4.00% 4.00% 4:1

E3 F.L. 986.00
20 SY RIP RAP, TP3
20 SY FILTER FABRIC

STA. 91+19

VAR. 6.25% 4.00% 4.00% 4.00% 4:1

F.L. 987.64

STA. 90+66

F.L. 984.16

E1 REQ'D: 1 18" STORM DRAIN FLARED END SECTIONS (GA STD 1120)

20 SY TP 3 RIP RAP,
20 SY PLASTIC FILTER FABRIC,
12" DEPTH

C20 REQ'D 1 JUNCTION BOX
GA STD 9031U
TOP EL. 1013.85
H=5.30

C21 REQ'D: 1 CATCH BASIN H=6.97'
(GDOT STD 1033D)
TOP EL. 1014.84

REQ'D 30" STORM DRAIN PIPE
14 LF @ 2.73%
1 OUTLET HDWL (GA STD 1125)

STA. 80+25

0.71% 0.71%

F.L. 1009.25
F.L. 1009.05

REQ'D 30" STORM DRAIN PIPE
29 LF @ 1.03%

F.L. 1008.75
F.L. 1008.55
F.L. 1008.75
F.L. 1008.00

TIE TO PERMANENT DETENSION BASIN
(SEE GRADING PLAN 18-01)

REQ'D 30" STORM DRAIN PIPE
60 LF @ 0.70%

C19 REQ'D: 1 CATCH BASIN H=6.69'
(GDOT STD 1033D)
TOP EL. 1015.19

C19A REQ'D: 1 MEDIAN DROP INLET H=3.62'
(GDOT STD 9031S)
TOP EL. 1012.69

4.000% 4.000%

STA. 79+60

F.L. 1009.77
F.L. 1009.57

F.L. 1009.17
F.L. 1009.37

REQ'D 18" STORM DRAIN PIPE
12 LF @ 1.67%

REQ'D 24" STORM DRAIN PIPE
75 LF @ 3.63%

REQ'D 18" STORM DRAIN PIPE
41 LF @ 8.30%
REQ'D 1 18" FES

SD11X
F.L. 1013.67

C18 REQ'D 1 JUNCTION BOX
GA STD 9031U
TOP EL. 1015.14
H=3.67

4.000% 4.000%

1012.28

STA. 79+50

F.L. 1012.17
F.L. 1011.97

REQ'D 24" STORM DRAIN PIPE
120 LF @ 2.83%

REQ'D 24" STORM DRAIN PIPE
124 LF @ 4.21%

990 985 980 975 1035 1030 1025 1020 1015 1010 1005

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 BL 10 20 30 40 50 60 70 80 90 100 110 120 130 140

#REF!
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PLANS PREPARED AND SUBMITTED BY:

AEI

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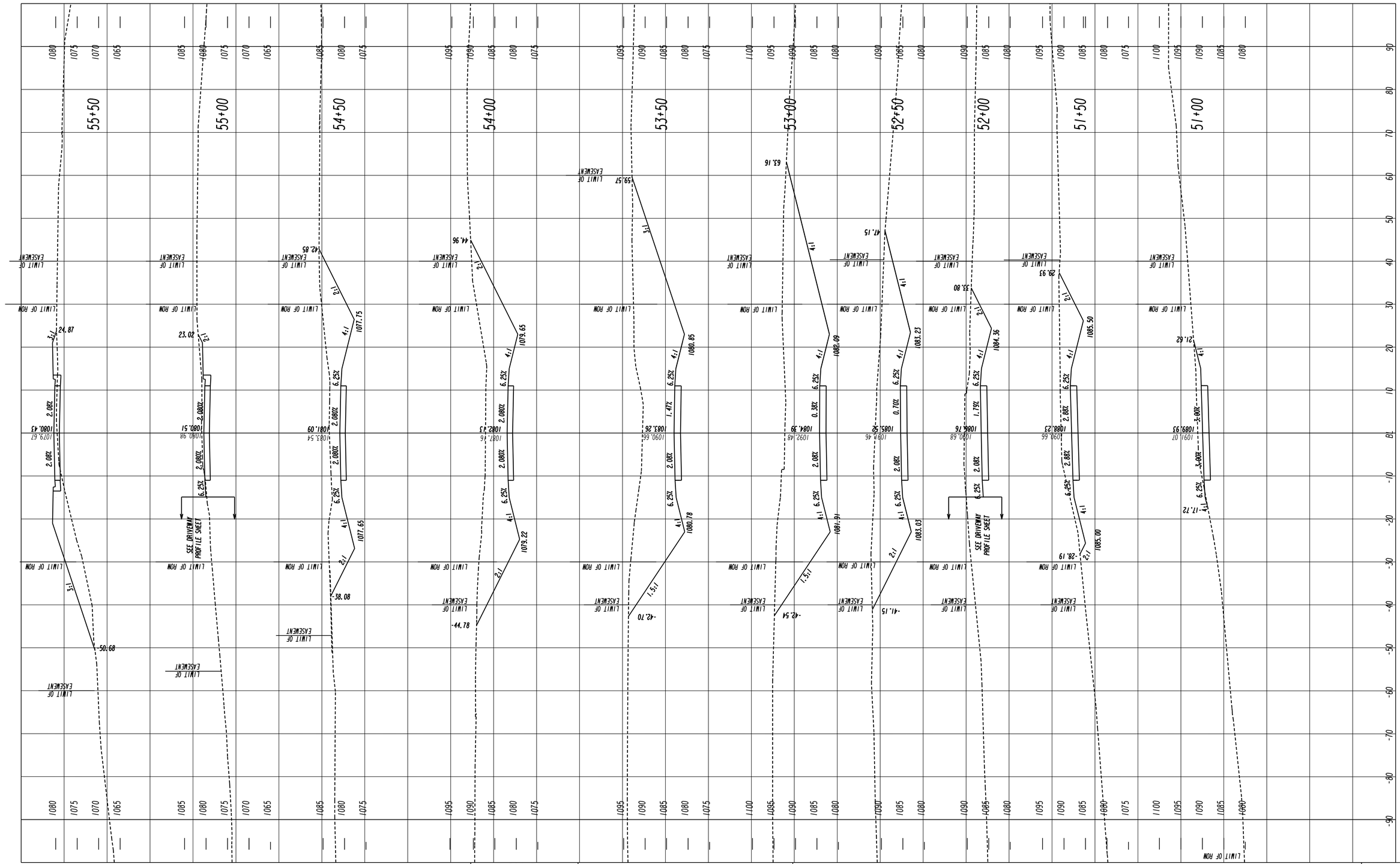
#DATE#
22-04.dgn
Jversion

SCALE		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY RD	DRAWING No.
1:10 HORIZ. 1:10 VERT.			DRAINAGE X-SECTION	22-04

REVISION DATES	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	GA.	AR-297-1057(CT.1	34	86



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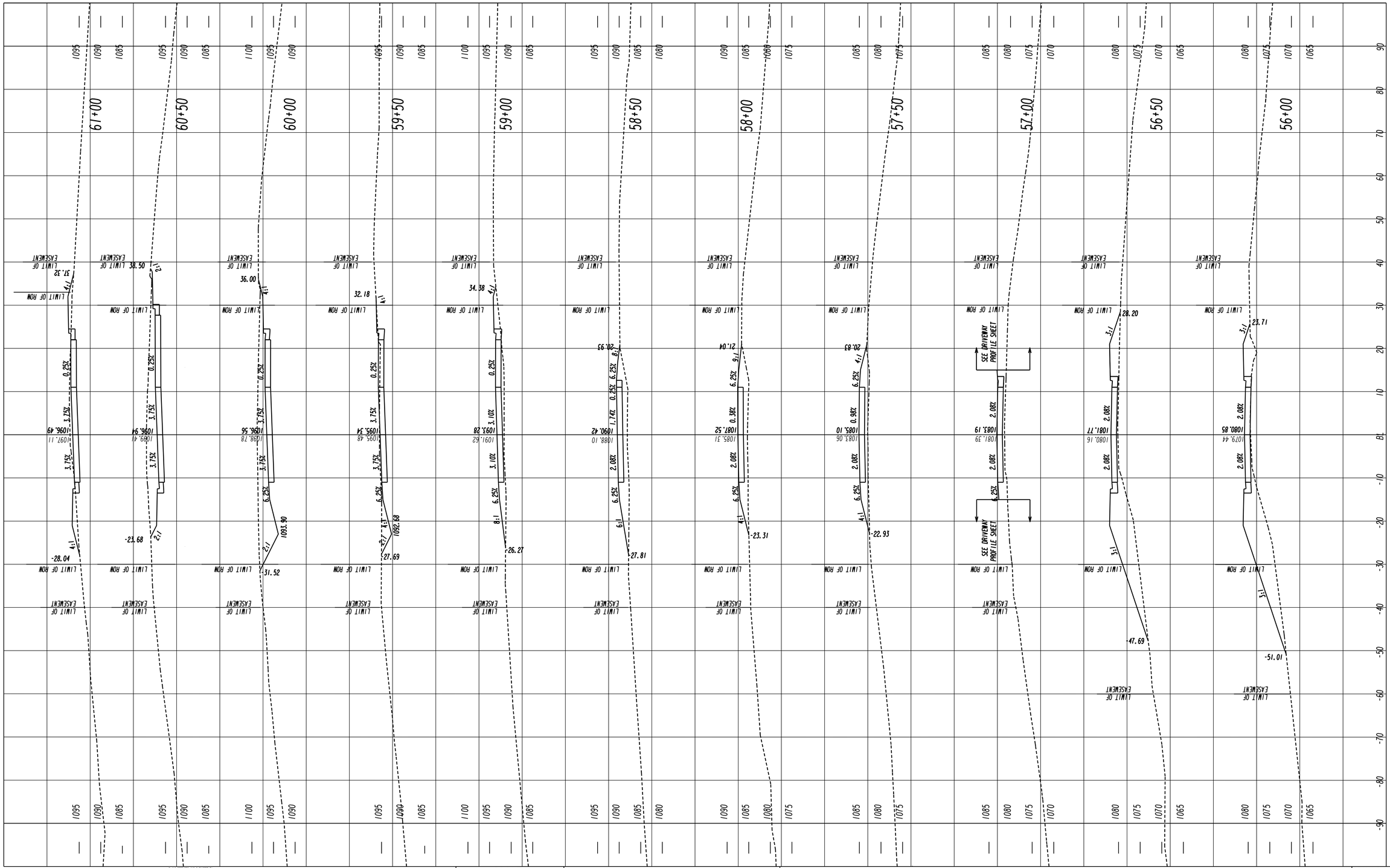
SCALE	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY ROAD CROSS-SECTIONS	STA. 50+50 TO 55+50	DRAWING No.
1:10 VERT. 1:10 HORIZ.				23-01

#DATE#
23-01.dgn
Jversion

REVISION DATES	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	GA.	AR-297-1057(CT.1	35	86



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SCALE
1:10 VERT.
1:10 HORIZ.

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

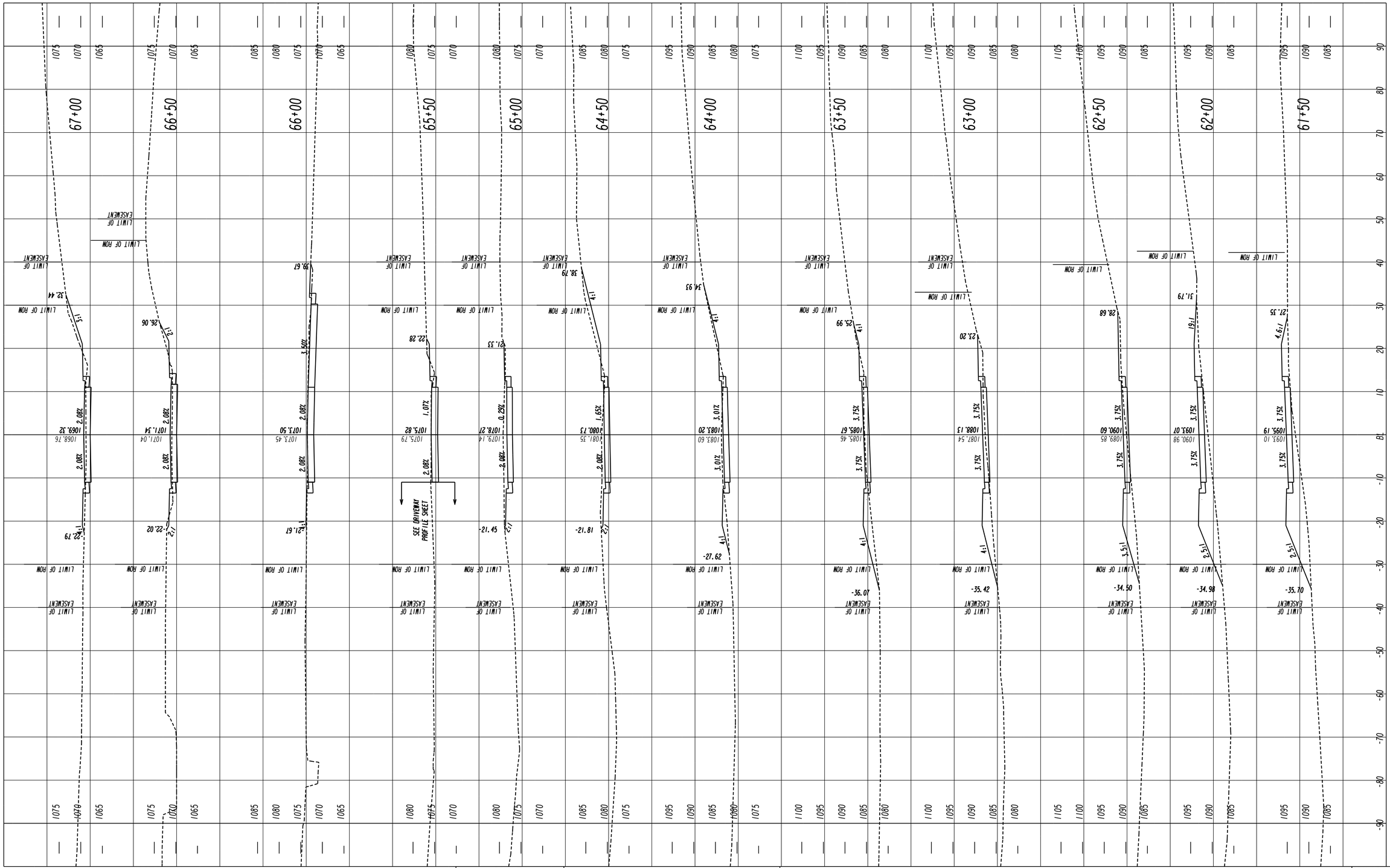
EARNEY ROAD CROSS-SECTIONS

STA. 56+00 TO 61+00

DRAWING No.
23-02

#DATE#
23-01.dgn
Jversion

REVISION DATES	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	GA.	AR-297-1057(CT.1	36	86



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SCALE
1:10 VERT.
1:10 HORIZ.

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

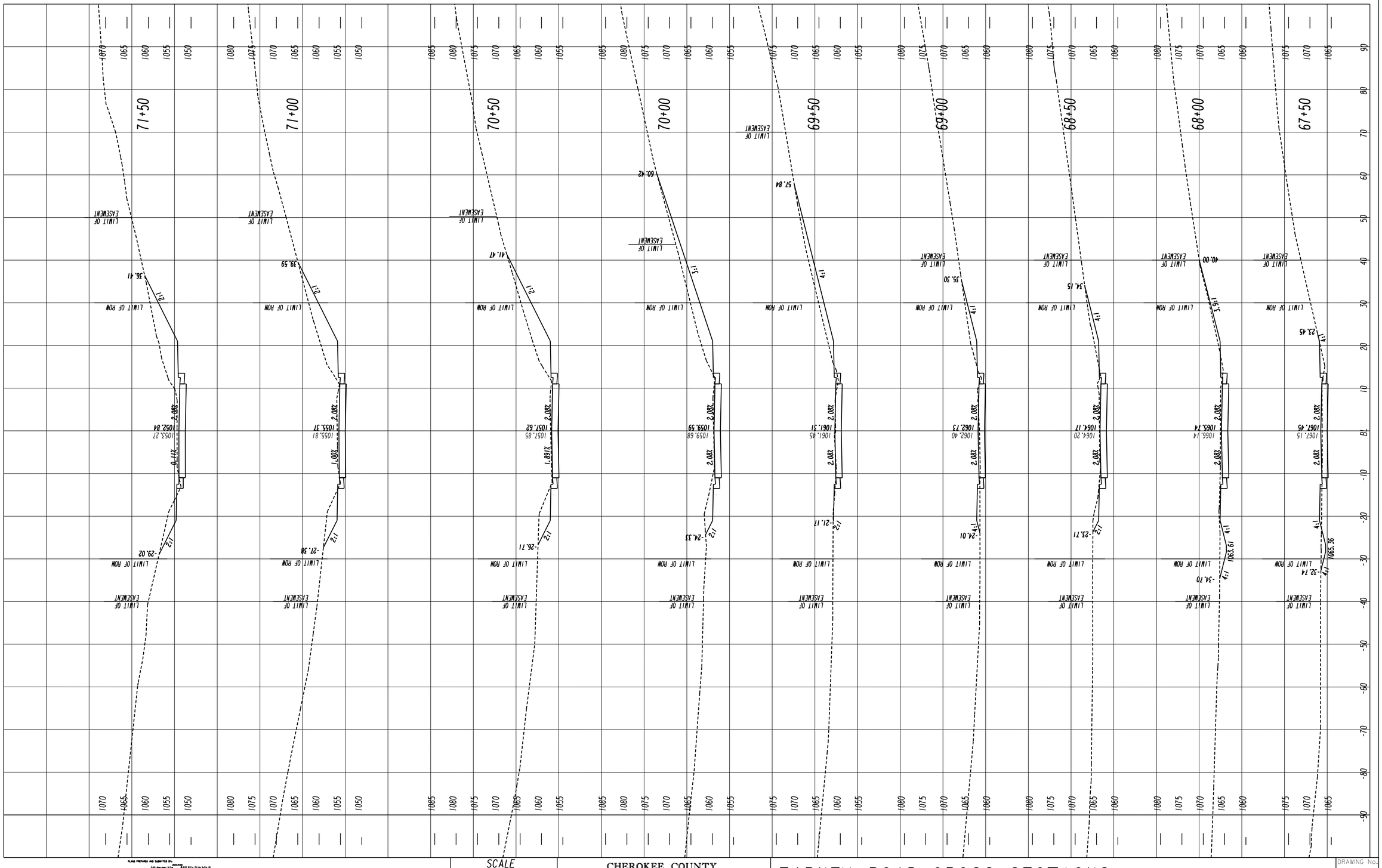
EARNEY ROAD CROSS-SECTIONS

STA. 61+50 TO 67+00

DRAWING No.
23-03

#DATE#
23-01.dgn
Jversion

REVISION DATES	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	GA.	PA-297-(057)CT.1	37	86



#DATE# 23-01.dgn Jversion	SCALE 1:10 VERT. 1:10 HORIZ.	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY ROAD CROSS-SECTIONS STA. 67+50 TO 71+50

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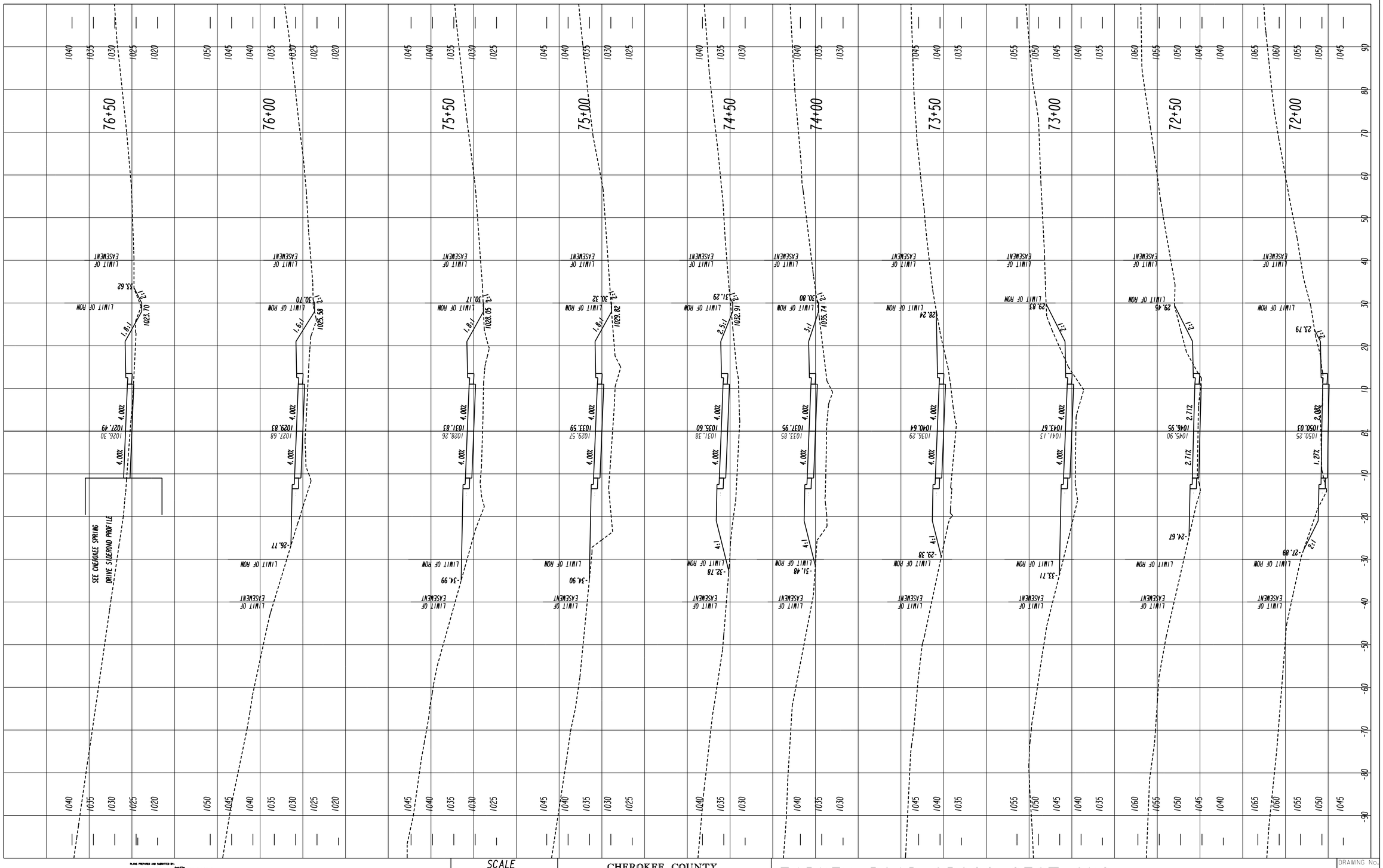
DRAWING No.
23-04

REVISION DATES	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	GA.	PR-297-1057(CT.1	38	86



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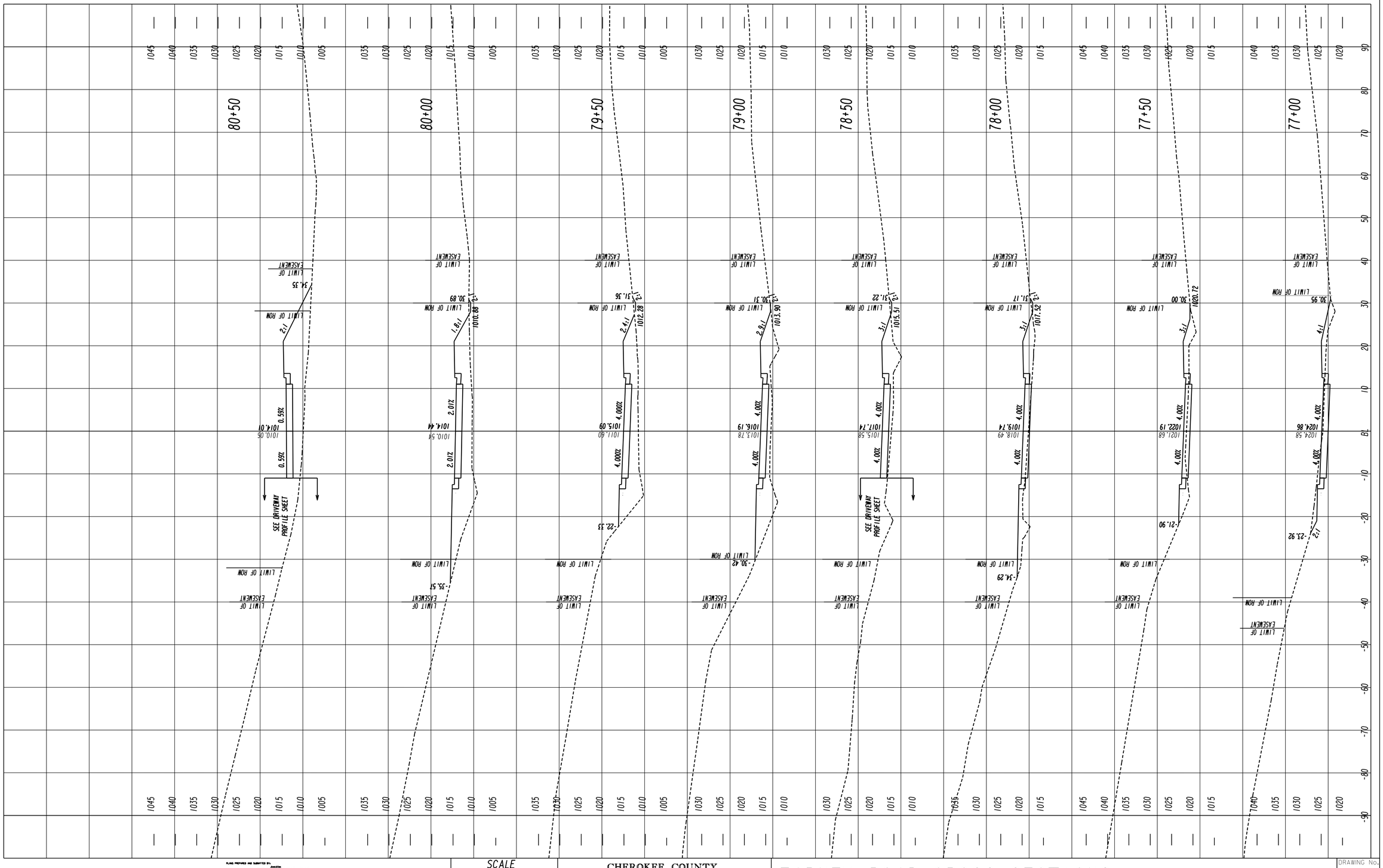
#DATE#
23-01.dgn
Jversion

SCALE	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	EARNEY ROAD CROSS-SECTIONS STA. 72+00 TO 76+50	DRAWING No.
1:10 VERT. 1:10 HORIZ.			23-05

REVISION DATES	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	GA.	AR-297-1057ICT.1	39	86



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SCALE
1:10 VERT.
1:10 HORIZ.

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

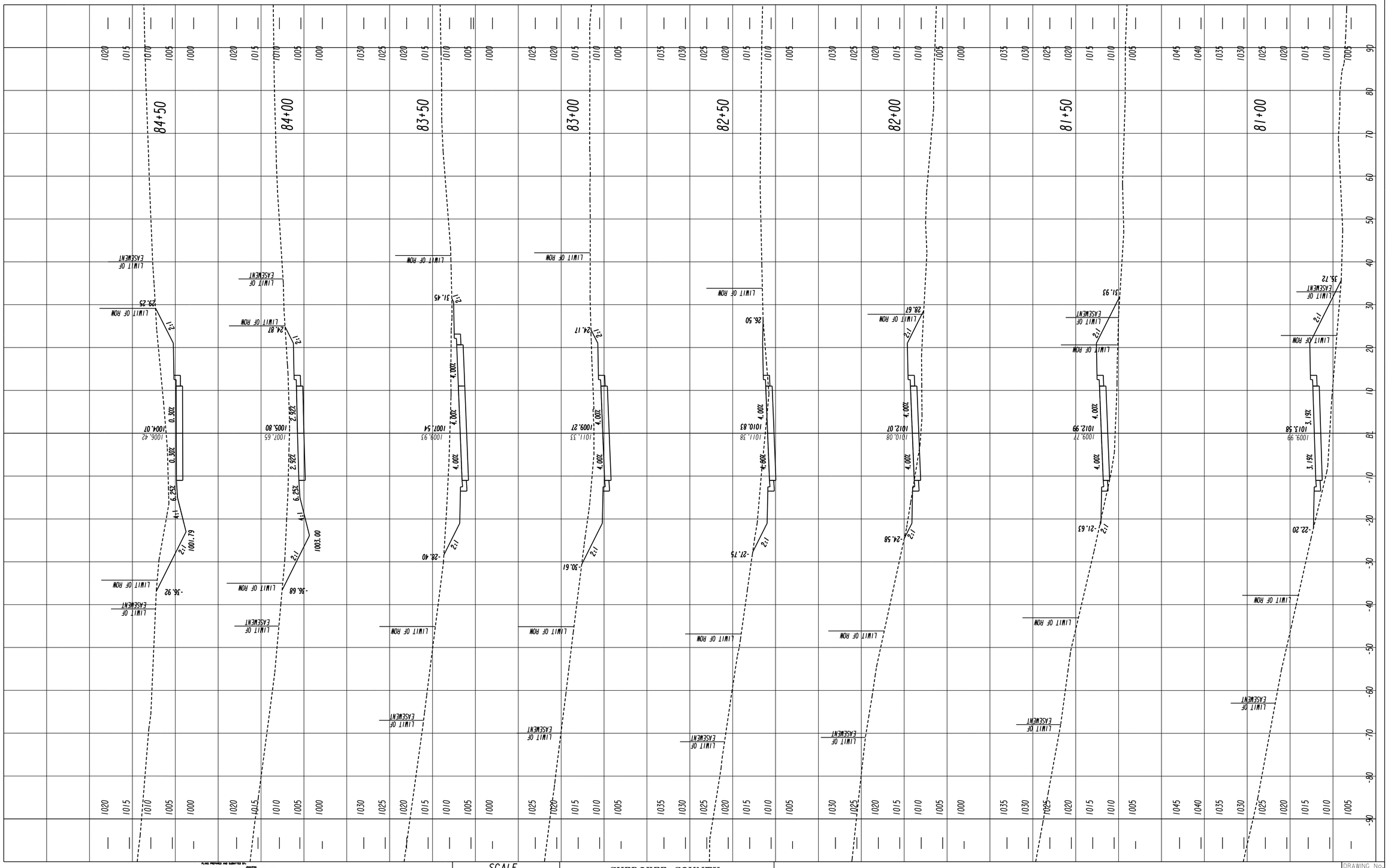
EARNEY ROAD CROSS-SECTIONS

STA. 77+00 TO 80+50

DRAWING No.
23-06

#DATE#
23-01.dgn
Jversion

REVISION DATES	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	GA.	PR-297-(057)CT.1	40	86



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SCALE
1:10 VERT.
1:10 HORIZ.

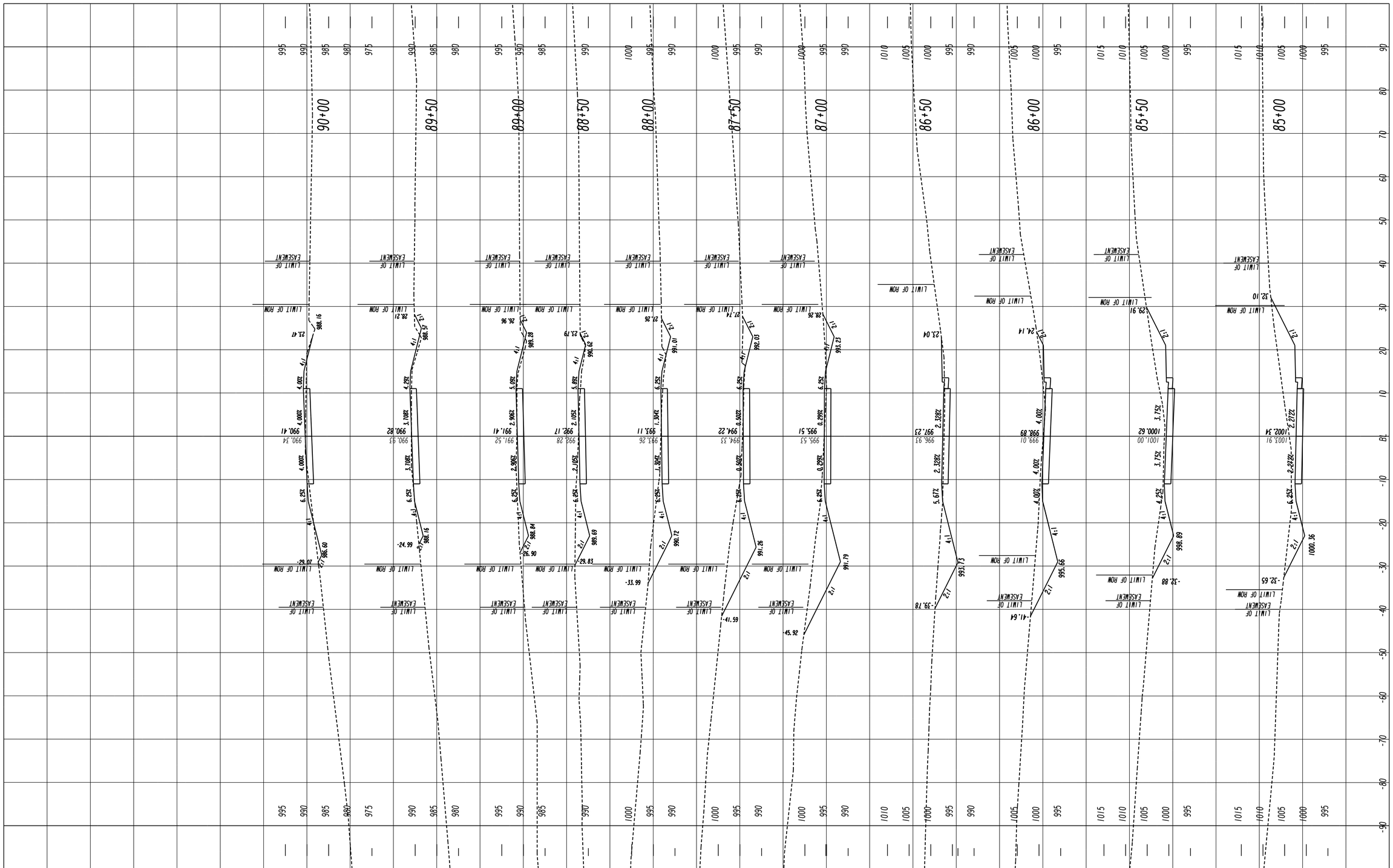
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

EARNEY ROAD CROSS-SECTIONS

STA. 81+00 TO 84+50

DRAWING No.
23-07

REVISION DATES	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	GA.	AR-297-1057(CT.1	41	86



#DATE#
23-01.dgn
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SCALE
1:10 VERT.
1:10 HORIZ.

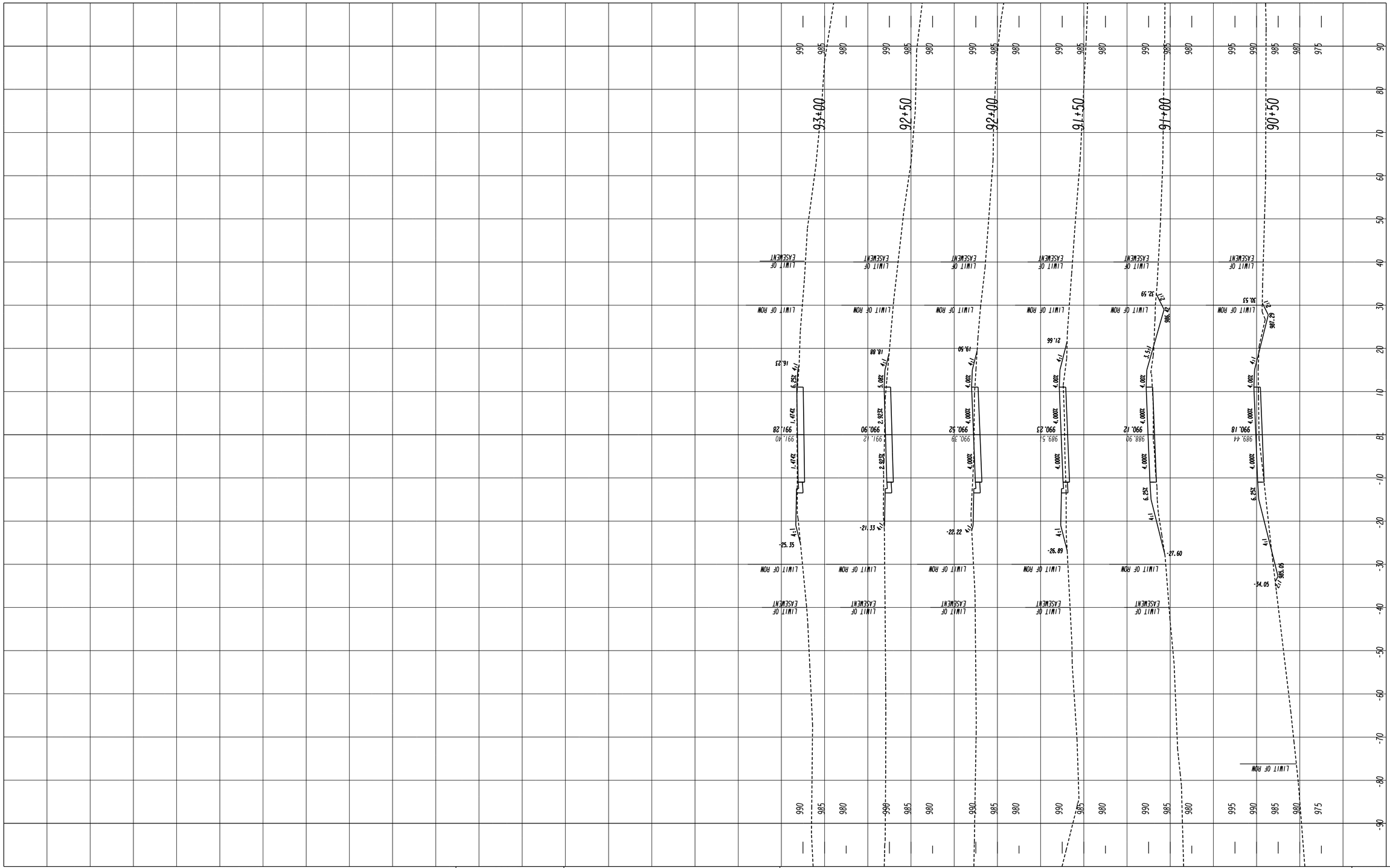
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

EARNEY ROAD CROSS-SECTIONS

STA. 85+00 TO 90+00

DRAWING No.
23-08

REVISION DATES		STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		GA.	PR-297-(057)CT.1	42	86



$DATE$
23-01.dgn
Jversion

AMERICAN ENGINEERS, INC.

SCALE
1:10 VERT.
1:10 HORIZ.

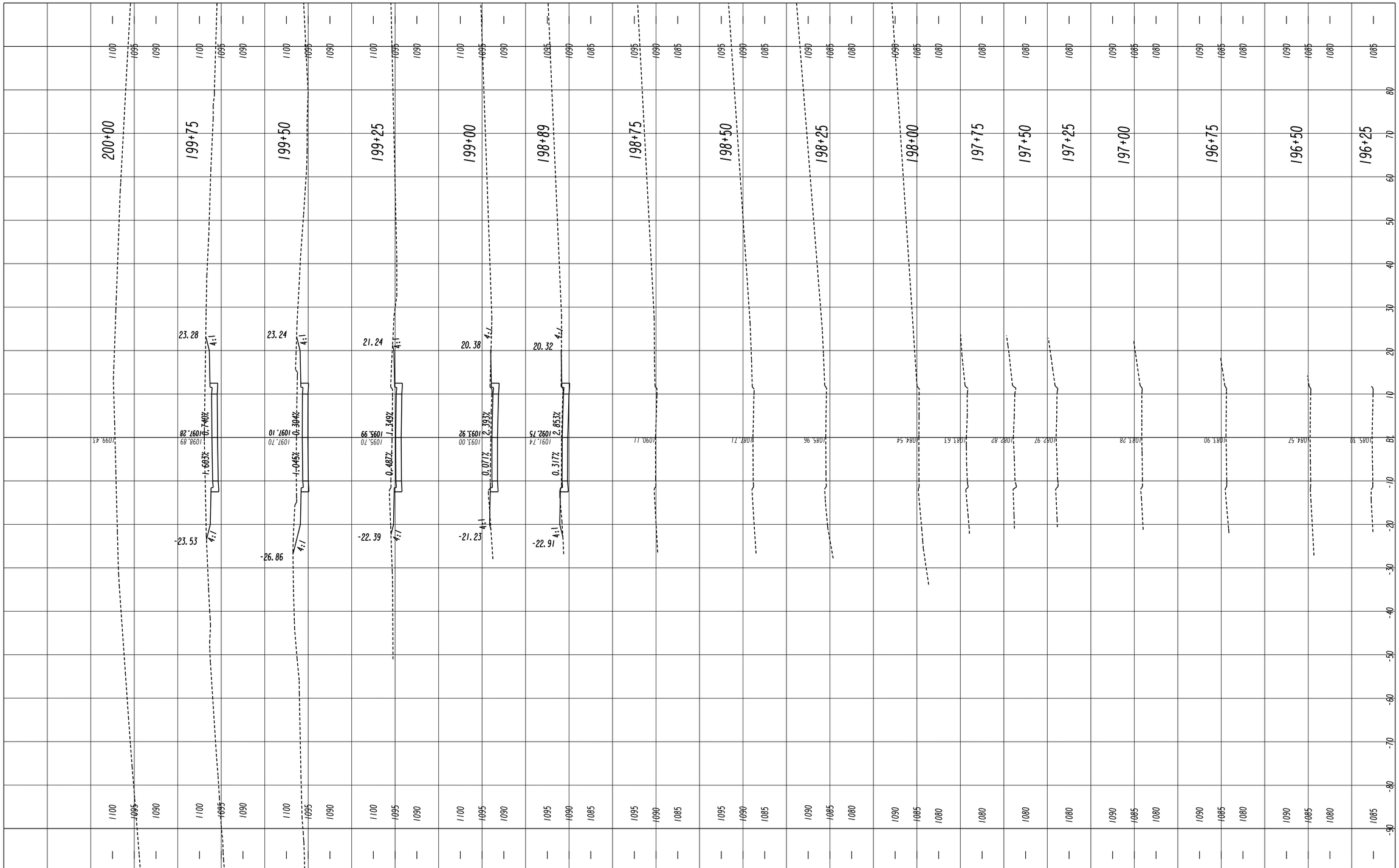
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

EARNEY ROAD CROSS-SECTIONS

STA. 90+50 TO 93+00

DRAWING No.
23-09

REVISION DATES	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	GA.	PR-297-1057ICT.1	43	86



DATE
23-01.dgn
Jversion

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AMERICAN ENGINEERS, INC.

SCALE
1:10 VERT.
1:10 HORIZ.

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

FALLING WATER WAY CROSS-SECTIONS

DRAWING No.
23-10

EXISTING OVERHEAD	OVERHEAD TO BE REMOVED	PROPOSED OVERHEAD	TYPE OF UTILITY
-W--E--W--E	-*-W-*-E-*-W-	E	ELECTRIC
-W--E-T--W-	-*-W-*-E-T-*-W	E-T	
-W--E-TV--W-	-*-W-*-E-TV-*-	E-TV	
-W--E-TC--W-	-*-W-*-E-TC-*-	E-TC	
-W--E-T-TV--	-*-W-*-E-T-TV-*	E-T-TV	
-W--E-T-TV-TC-	-*-W-*-E-T-TV-TC	E-T-TV-TC	
-W--E-TV-TC--	-*-W-*-E-TV-TC-	E-TV-TC	
-W--E-T-TC--W	-*-W-*-E-T-TC-*	E-T-TC	
-W--GW--W--	-*-W-*-GW-*-W	GW	TELECOMMUNICATIONS
-W--T--W---	-W-*-T-*-W-*-T	T	
-W--T-TC--W-	-W-*-T-TC-*-W-	T-TC	
-W--T-TV-TC---	-W-*-T-TV-TC-*-	T-TV-TC	
-W--T-TV--W-	-W-*-T-TV-*-W-	T-TV	
-W--TV--W--	-W-*-TV-*-W-*	TV	CABLE TV
-W--TV-TC--W	-W-*-TV-TC-*-W	TV-TC	
-W--TC--W--	-W-*-TC-*-W-*	TC	TRAFFIC CONTROL

EXISTING UNDERGROUND	UNDERGROUND TO BE REMOVED	PROPOSED UNDERGROUND	TYPE OF UTILITY
------E-------	---*---E---*--	E	ELECTRIC (QL-D)
-----E(C)------	--*---E(C)---*-		ELECTRIC (QL-C)
-----E(B)------	--*---E(B)---*-		ELECTRIC (QL-B)
------T-------	---*---T---*--	T	TELECOMMUNICATIONS (QL-D)
-----T(C)------	--*---T(C)---*-		TELECOMMUNICATIONS (QL-C)
-----T(B)------	--*---T(B)---*-		TELECOMMUNICATIONS (QL-B)
-----TV-------	--*---TV---*--	TV	CABLE TV (QL-D)
-----TV(C)------	-*---TV(C)---*-		CABLE TV (QL-C)
-----TV(B)------	-*---TV(B)---*-		CABLE TV (QL-B)
------W-------	---*---W---*--	W	WATER (QL-D)
-----W(C)------	--*---W(C)---*-		WATER (QL-C)
-----W(B)------	--*---W(B)---*-		WATER (QL-B)
=====**W=====	=*=---**W---*=	==**W==	WATER FOR LABELED PIPE SIZES (QL-D)
=====**W(C)===	=*=---**W(C)=*=		WATER FOR LABELED PIPE SIZES (QL-C)
=====**W(B)===	=*=---**W(B)=*=		WATER FOR LABELED PIPE SIZES (QL-B)
-----NW------	--*---NW---*--	NW	NON-POTABLE WATER (QL-D)
-----NW(C)-----	-*---NW(C)---*-		NON-POTABLE WATER (QL-C)
-----NW(B)-----	-*---NW(B)---*-		NON-POTABLE WATER (QL-B)
=====**NW=====	=*=---**NW=*=	==**NW==	NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-D)
=====**NW(C)===	=*=---**NW(C)=*=		NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-C)
=====**NW(B)===	=*=---**NW(B)=*=		NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-B)
-----STM------	-*---STM---*--	STM	STEAM (QL-D)
-----STM(C)----	-*---STM(C)---*-		STEAM (QL-C)
-----STM(B)----	-*---STM(B)---*-		STEAM (QL-B)
=====**STM=====	=*=---**STM=*=	==**STM==	STEAM FOR LABELED PIPE SIZES (QL-D)
=====**STM(C)===	=*=---**STM(C)=*=		STEAM FOR LABELED PIPE SIZES (QL-C)
=====**STM(B)===	=*=---**STM(B)=*=		STEAM FOR LABELED PIPE SIZES (QL-B)
-----SS------	--*-->SS---*--	SS	SANITARY SEWER WITH FLOW DIRECTION (QL-D)
-----SS(C)-----	-*-->SS(C)---*-		SANITARY SEWER WITH FLOW DIRECTION (QL-C)
-----SS(B)-----	-*-->SS(B)---*-		SANITARY SEWER WITH FLOW DIRECTION (QL-B)
=====Σ**SS=====	=*=---Σ**SS=---*=	==Σ**SS==	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-D)
=====Σ**SS(C)===	=*=---Σ**SS(C)=*=		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-C)
=====Σ**SS(B)===	=*=---Σ**SS(B)=*=		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-B)
----->SFM------	--*-->SFM---*--	SFM	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-D)
----->SFM(C)----	-*-->SFM(C)---*-		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-C)
----->SFM(B)----	-*-->SFM(B)---*-		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-B)
------G-------	--*---G---*---	G	GAS (QL-D)
-----G(C)------	-*---G(C)---*--		GAS (QL-C)
-----G(B)------	-*---G(B)---*--		GAS (QL-B)
=====**G=====	=*=---**G---*=-	==**G==	GAS FOR LABELED PIPE SIZES (QL-D)
=====**G(C)===	=*=---**G(C)=*=-		GAS FOR LABELED PIPE SIZES (QL-C)
=====**G(B)===	=*=---**G(B)=*=-		GAS FOR LABELED PIPE SIZES (QL-B)
------P-------	---*---P---*--	P	PETROLEUM (QL-D)
-----P(C)------	--*---P(C)---*-		PETROLEUM (QL-C)
-----P(B)------	--*---P(B)---*-		PETROLEUM (QL-B)
=====**P=====	=*=---**P---*=-	==**P==	PETROLEUM FOR LABELED PIPE SIZES (QL-D)
=====**P(C)===	=*=---**P(C)=*=-		PETROLEUM FOR LABELED PIPE SIZES (QL-C)
=====**P(B)===	=*=---**P(B)=*=-		PETROLEUM FOR LABELED PIPE SIZES (QL-B)
------TC------	--*---TC---*--	TC	TRAFFIC CONTROL (QL-D)
------TC(C)-----	--*---TC(C)---*-		TRAFFIC CONTROL (QL-C)
------TC(B)-----	--*---TC(B)---*-		TRAFFIC CONTROL (QL-B)
-----UNK(B)-----	-*---UNK(B)---*-		UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (QL-B)

UTILITY LEGEND

UTILITY CELLS

EXISTING	PROPOSED	TEMPORARY		EXISTING	PROPOSED	TEMPORARY	
E	E	E	ELECTRIC MANHOLE	W	W	W	WELL
H	H	H	HAND HOLE	W	W	W	WATER VAULT
E	E	E	TRANSFORMER	W	W	W	WATER VALVE MARKER
E	E	E	ELECTRIC METER				STAND PIPE
			UTILITY POLE/GUY POLE				CLEANOUT
			LIGHT POLE	SS	SS	SS	SANITARY SEWER MANHOLE
			GUY ANCHOR	ARV	ARV	ARV	AIR RELEASE VALVE
E	E	E	ELECTRIC BOX	GT	GT	GT	GREASE TRAP
M	M	M	MARKER	S	S	S	SANITARY SEWER FORCE MAIN VALVE
T	T	T	TELECOMMUNICATIONS MANHOLE				VENT
T	T	T	TELECOMMUNICATIONS PEDESTAL	G	G	G	GAS VALVE
X	X	X	SPLICE BOX	G	G	G	GAS METER
SLC	SLC	SLC	SUBCRIBER LOOP CARRIER (aka "SLICK")	G	G	G	GAS MANHOLE
			CABINET	GPR	GPR	GPR	GAS PRESSURE REGULATOR
			PHONE BOOTH	G	G	G	GAS VAULT
			CABLE TV PEDESTAL	GTS	GTS	GTS	GAS TEST STATION
TV	TV	TV	CABLE TV MANHOLE	P	P	P	PETROLEUM VALVE
W	W	W	WATER VALVE	MISC.			
W	W	W	WATER METER		LOS		LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION
W	W	W	WATER MANHOLE		TH		TEST HOLE (QL-A ONLY)
			FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)		EOI		END OF INFORMATION
BFP	BFP	BFP	BACKFLOW PREVENTER				QUALITY LEVEL (QL) DELINEATION
PIV	PIV	PIV	PRESSURE INDICATOR VALVE		123		POLE ID
ARV	ARV	ARV	AIR RELEASE VALVE		A01		SANITARY SEWER MANHOLE (SSMH) ID

QUALITY LEVELS AND DEFINITIONS

QL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. QL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARIABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

ABBREVIATIONS:

R.T.	Remote Terminal
PVC	Polyvinyl Chloride Pipe
DIP	Ductile Iron Pipe
SSMH	Sanitary Sewer Manhole
EOI	End of Information
STL	Steel
MH	Manhole
PL	Plastic
MP	Medium Pressure
HP	High Pressure
PE	Polyethylene
RIP	Retired In Place
CI	Cast Iron
TC	Terra Cotta
PCP	Pressurized Concrete Pipe
HDPE	High Density Polyethylene
CT	Count
FO	Fiber Optic
OH	Overhead
PR	Pair
REG	Regulator

GEORGIA811 Utilities Protection Center, Inc

Know what's below. Call before you dig.

PLANS PREPARED AND SUBMITTED BY:

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○ 65 Aberdeen Drive, Glasgow, KY 42141, (270) 651-7220

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DESIGN CONSULTANT

N. T. S.

REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:

UTILITY PLANS

EARNEY ROAD

DRAWING No. 24-00

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	45	86

NOTE: RECONSTRUCT PARCEL 38 ENTIRE DRIVEWAY AND PORTION OF SIDEWALK. PITCH DRIVEWAY PAD AWAY FROM HOUSE.

26 JAMES T. & JEWEL F. YOUNG

28 MARY HUFFINGTON

30 R. L. CLOSSON CONTRACTING

31 ROGER K. & ELISNA D. BECK

34 SUE RICHARDSON

36 EDWIN P. HALL, JR.

38 STEVEN WAYNE & DORIS SWARTZ

40 WALTER H. & BARBARA A. CLAY

44 WILLIAM GARRETT & FRANCIS OWENS

45 JARRED C. & SOPHIA C. CANENDER

46

27 LARINDA T. REEVES

29 TAMARA LYNN WHITE & ADAM JOSEPH BULLOCK

32 JOHN S. & JOSEPHINE MANOUS

33 BRIAN S. PRICE

35 MARGARET B. PHILLIPS

37 ALAN PATRICK & PENNY DALY

39 ROBERT R. & PATRICIA K. GEORGE

41 ROBERT F. & ROGER S. MONTGOMERY

42 JONATHAN L. & PATTY P. TURNER

LL 656
LL 713

LL 712
LL 713

COUNTRY ROAD
OLD CR 931

NOTE: DO NOT DISTURB WELL DURING CONSTRUCTION

BEGIN PROJECT
STA 50+40
EARNEY ROAD
BEG. FULL DEPTH
RECONSTRUCTION

EXISTING TO REMAIN:
2" MEDIUM PRESSURE
PLASTIC GAS MAIN
NOP: 60 PSIG

RETIRED:
2" PLASTIC GAS MAIN
(ESTIMATED LOCATION)

CUT & CAP
TIE INTO
(2") MEDIUM PRESSURE
PLASTIC GAS MAIN
NOP: 60 PSIG

BKMA-200
BKTA-900
FNAP CBL-072
SP 3112BT-024
(2)10M

N 1504492.85
E 2230698.35

EXISTING AGL EASEMENT
UNKNOWN WIDTH
APPROXIMATE LOCATION

RETIRED:
2" PLASTIC GAS MAIN
(ESTIMATED LOCATION)

EXISTING TO REMAIN:
2" MEDIUM PRESSURE
PLASTIC GAS MAIN
NOP: 60 PSIG

NOTE: DO NOT DISTURB OAK TREE AT STA. 49+83, 40' RT

(RETAIN)

(1) ASWI

COMCAST ¼" STRAND
0.875 & 0.625 FEEDER
& MAIN LINE

100 SY RIP RAP, TP 3
100 SY PLASTIC
FILTER FABRIC
12" DEPTH

10' STORM
DRAINAGE
EASEMENT

REPLACE ENTIRE
DRIVEWAY W/
6" CONC. D/W

RESET 5' WOOD FENCE

RECONST. 14'
CONC. 15/H

VALLEY GUTTER
W/ 4" CONC. S/W

BKMA-200
BKTA-900
FNAP CBL-072
SP 3112BT-024
(2)10M

OBF TREE
PROTECTION

ABANDON IN PLACE:
2" MEDIUM PRESSURE
PLASTIC GAS MAIN
NOP: 60 PSIG

PROPOSED:
1090' X 4" MEDIUM PRESSURE
PLASTIC GAS MAIN
NOP: 60 PSIG

BKMA-200
BKTA-900
SP 3112BT-024
(2)10M

N 1503996.24
E 2231191.68

STA. 60+25.83 EARNEY RD.
STA. 200+00.00 FALLING WATER WAY

BHAA-300
BHAA-200
BHAA-100
BKMA-300
BKTA-200
FNAP CBL-072

PROPOSED:
30' X 2" MEDIUM PRESSURE
PLASTIC GAS MAIN
NOP: 60 PSIG

NOTE: DO NOT DISTURB TREES EAST OF DRIVEWAY AT STA. 60+16

NOTE: DO NOT DISTURB MAPLE TREE AT STA. 59+50

EXISTING TO REMAIN:
2" MEDIUM PRESSURE
PLASTIC GAS MAIN
NOP: 60 PSIG

FNAP CBL-072
ANWM-100

COMCAST ¼" STRAND
0.875 & 0.625 FEEDER
& MAIN LINE INTO
2" MEDIUM PRESSURE
PLASTIC GAS MAIN
NOP: 60 PSIG

MATCH LINE STA. 62+00
EARNEY ROAD DRAWING 13-02

PC 58+77.96

PI 200+00.00

PT 199+32.61

PC 198+14.22

PI 196+14.48

WOOD FENCE

KENNETA C. & HAROLD D. CANENDER

LIMITS OF CONSTRUCTION
STA. 198+89.00
FALLING WATER WAY
MATCH EXISTING PAVING

PWR POLE(S) IN CONFLICT
AT&T WILL TRANSFER/REPLACE
CABLES TO NEW PWR POLES

STA. 53+46
PWR POLE
24' R C/L

STA. 55+92
PWR POLE
26' R C/L

STA. 58+40
PWR POLE
28' R C/L

STA. 60+82
PWR POLE
36' R C/L

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINT. OF SLOPE
EASEMENT FOR CONSTR. & MAINT. OF SEDIMENT BASINS
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS

PLANS PREPARED AND SUBMITTED BY:

AEI

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DESIGN CONSULTANT

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
UTILITY PLAN
STA. 49+50 TO STA. 62+00
EARNEY ROAD

24-01

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	46	86

MATCH LINE STA. 62+00
EARNEY ROAD DRAWING 24-01

MATCH LINE STA. 77+00
EARNEY ROAD DRAWING 24-03

STA 66+10.64 EARNEY RD =
STA 10+00 HILL CREST RD

LIMITS OF CONST.
HILL CREST ROAD
STA. 10+45.40

LIMITS OF CONST.
CHEROKEE SPRING DRIVE
STA. 10+60.00

STA 76+55.78 EARNEY RD =
STA 10+00 CHEROKEE SPRING DR

POESTA. 12+37.07

PT 64+18.76
PC 66+81.76
PT 71+35.56
PC 71+71.13
PT STA 11+92.62
PT STA 12+15.82
PC STA 13+04.16

46 KENNETH & ROBIN CAVENDER
47
48 CHRISTOPHER M. BETTY J. FARMER
49 CURT E. GARREN
50 WILLIAM GARRETT & FRANCIS OWENS
51 VICKIE R. MAKRIDES
52 CITIBANK, N.A.
53 ANDREW J. & SUSAN K. KALFER
54 LEE ALBERT
55 TYLER REED JOHNSON & GINA MARIE MONFORD
56 DELOACH
57 JOHN CHRIS & C. LYNN LANDRY
58 MARTHA J. COFER WILLIAM M. &
59 B. BELCHER TRUST
60 ANNIE M. & ROBERT R. MAGLIOZZI
61 WOODROW & LOUISE WILSON
62 MITZI & LANCE SAXON
63 DOYLE E. & CAMELLE DAVIS
64 JEFFREY PAUL & RUTH ANN

WILLIAM GARRETT & FRANCIS OWENS 44

BHAA-300
BHAA-200
BHAA-100
BKWA-300
BKTA-200
FNAP CBL-072

(1) BSW
(1) ASWI
10M OHG
(2) ASWI
(3) BKWA-100 FNAP CBL-144 SR-5B0RWT-048 10M
ABANDON IN PLACE: 2" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG
PROPOSED: 530' X 4" PLASTIC GAS MAIN NOP: 60 PSIG
COMCAST ¼" STRAND 0.875 & 0.625 FEEDER & MAIN LINE
GAS VALVE/METER ELEC. CABINET
NOTE: CONTRACTOR TO PRESERVE THE TWO CHERRY TREES IN ESMT
COMCAST POLE MOUNTED POWER SUPPLY INTO 2" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG
ANWW-900 (2) ASWI
PROPOSED: 40' X 2" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG
EXISTING TO REMAIN: 2" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG
PROPOSED: 1120' X 4" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG
NOTE: DO NOT DISTURB OAK TREE AT STA. 72+70. 40' LT
RECONST EXIST CATCH BASINS & ADJUST TO GRADE. REMOVE EX C&G
NOTE: REMOVE LARGE MAPLE TREE AND STUMP AT STA. 76+00 RT
CUT & CAP CONSTANTAN STRAND 0.875 & 0.625 FEEDER & MAIN LINE
EXISTING TO REMAIN: 2" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG
(2) BKWA-100 FNAP CBL-048
SR-5B92MR-288 VFBR24SC500 LP SP-5B02WT-048 (2) BKWA-200 BHAA-100 (2) 10M

PWR POLE(S) IN CONFLICT
AT&T WILL TRANSFER/REPLACE CABLES TO NEW PWR POLES

STA. 62+64 PWR POLE 34'R C/L
STA. 65+00 PWR POLE 26'R C/L PED 24'R C/L
STA. 66+54 PWR POLE 26'R C/L
STA. 68+58 PWR POLE 16'R C/L
STA. 70+57 PWR POLE 20'R C/L
STA. 72+62 PWR POLE 24'R C/L

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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR. OF SLOPES
EASEMENT FOR CONSTR. OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS

DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$$

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
UTILITY PLAN
STA. 62+00 TO STA. 77+00
EARNEY ROAD
24-02

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	47	86

MATCH LINE STA. 77+00
EARNEY ROAD DRAWING 24-02

65 DANIEL C. & MIRIAM BURK

67 ALAN W. & SUSIE CARROLL

STA 83+27.78 EARNEY RD CONSTR. CENTERLINE
STA 10+13.62 KUYKENDALL DRIVE

PROPOSED: 45' X 2" MED. PRES. PLASTIC GAS MAIN NOP: 60 PSIG

(2) BKMA-100 FNAP CBL-144 SR-3412BT-024 10M

PROPOSED: 950' X 4" PLASTIC GAS MAIN NOP: 60 PSIG

(1) ASWI

70 CARL M. & ABBY R. GESSNER

PC 80+95.10 C227
N 1503064.83
E 2233053.07

CENTERLINE FOR R/W ACQUISITION

CONSTRUCTION CENTERLINE

72 EDWARD M. & LORI J. PEQUITA

CONSTRUCTION CENTERLINE

(2) BKMA-100 FNAP CBL-144 SR-3412BT-024 10M

ABANDON IN PLACE: 2" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG

CONC. SPILLWAY TYPE C

CUT & CAP TIE INTO 2" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG

EXISTING TO REMAIN: 2" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG

LIMITS OF CONST. HILL TOP ROAD STA. 10+55.20

STA. 13+26.02
PT STA. 12+53.55
CR 935 HILL TOP ROAD

PI STA. 11+40.77

74 GREGORY J. & CARLA A.. STIVER

BKMA-50 FNAP CBL-024 6.6M

COMCAST ¼" STRAND 0.875 & 0.625 FEEDER & MAIN LINE

ABANDON: 4" PLASTIC GAS MAIN COMCAST ¼" STRAND 0.875 & 0.625 FEEDER & MAIN LINE

PROPOSED: 4" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG

(1) ASWI

77 TIMOTHY & TAMMY HICKS

EXISTING TO REMAIN: 4" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG

CUT & CAP TIE INTO 4" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG

10 SY RIP RAP TYPE 3
10 SY PLASTIC FILTER FABRIC
12" DEPTH

COMCAST ¼" STRAND 0.875 & 0.625 FEEDER & MAIN LINE

DRIVEWAY TO BE CONSTRUCTED WITH CONCRETE

DRIVEWAY TO BE REPLACED WITH CONCRETE

8 SY RIP RAP TP 3
8 SY PLASTIC FILTER FABRIC
12" DEPTH

10' GATE

(4) CRW

CONSTRUCTION CENTERLINE

NOTE: CONTRACTOR TO REMOVE THE TWO LARGE PINE TREES EAST OF PROPOSED POND

CENTERLINE FOR R/W ACQUISITION

(2) ASWI

COMCAST ¼" STRAND 0.875 & 0.625 FEEDER & MAIN LINE

71 TOMMY & TAMMY EVANS

STA 86+55.40 EARNEY RD CONSTR. CL
STA 10+00.42 HILL TOP RD

PT 86+43.49 C232

STATION EQUALITY: STA. 86+80.59 BACK = STA. 86+22.00 AHEAD

BKMA-50 FNAP CBL-024 6.6M

(1) ASWI 6.6M OHG

COMCAST ¼" STRAND 0.875 & 0.625 FEEDER & MAIN LINE

DO NOT DISTURB WOOD RAIL FENCE

BSW

ABANDON IN PLACE: 4" X 2" REDUCER

BKMA-50 BKMA-100 FNAP CBL-024 SP-3412BT-024 10M

REMOVE DN & PIPE

BKMA-50 BKMA-100 FNAP CBL-024 SP-3412BT-024 10M

20 SY RIP RAP TP 3
20 SY PLASTIC FILTER FABRIC
12" DEPTH

ABANDON IN PLACE: 4" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG

END PROJECT STA 93+00 EARNEY ROAD

78 CAPITAL CITY CLUB

CHAIN LINK FENCE TO RUN ALONG PROPOSED R/W ENDING AT EXISTING DRIVEWAY ALONG KUYKENDALL RAOD.

LIMITS OF CONST. KUYKENDALL ROAD STA. 11+05.00

KUYKENDALL DRIVE

STA. 12+45.58

PROPOSED: 30' X 2" MEDIUM PRESSURE PLASTIC GAS MAIN NOP: 60 PSIG

PWR POLE(S) IN CONFLICT
AT&T WILL TRANSFER/REPLACE
CABLES TO NEW PWR POLES

64 DOYLE E. & CAMELLE DAVIS

66 ROGER L. & WANDA L. CHAPMAN

68 CHARLES DELANEY COFFEER

69 LANELL RACHELL KUYKENDALL

STA. 78+38 PWR POLE 14' R C/L

STA. 80+41 PWR POLE 16' R C/L

73 MICHAEL D. & FRANCINE R. JOHNSON

STA. 86+66 PWR POLE 28' R C/L

73A FRANCINE RENEE JOHNSON

STA. 88+41 PWR POLE 24' R C/L

75 MICHAEL D. & FRANCINE R. JOHNSON

75A TOMMY B. WILLINGHAM

STA. 90+54 PWR POLE 28' R C/L

76 BFP FARMS LLC

76A BFP FARMS LLC

STA. 93+00 PWR POLE 24' R C/L

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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR. OF SLOPES
EASEMENT FOR CONSTR. OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
UTILITY PLAN
STA. 77+00 TO STA. 93+00
EARNEY ROAD
24-03

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	48	86

BEGIN PROJECT
STA 50+40
EARNEY ROAD
BEG. FULL DEPTH
RECONSTRUCTION

OLD COUNTRY ROAD CR 931

CR 297

LL 656
LL 713

LL 712
LL 703

50+00

55+00

60+00

5' SOLID DOUBLE YELLOW LINE (TYP.)

REPLACE ENTIRE DRIVEWAY W/ 6" CONC. D/W

REPLACE SIDEWALK W/ 4" CONC. S/W

RESET 5' WOOD FENCE

RECONST. 4" CONC. S/W

100 SY RIP RAP, TP 3
100 SY PLASTIC FILTER FABRIC
12" DEPTH

1064.06
1064.47
1065.05
1065.13

REQ'D R/W

990.48'

S 44°47'18" E

S44°47'23"E

S44°47'23"E

C 505

C 506

PC 58+77.95

PI 200+00.00

PT 199+32.04

PC 198+14.22

PI 196+14.48

18" RCP

18" DOGWOOD

EXIST. CONC. DROP INLET (RETAIN)

SIGN

24" SOLID WHITE (TYP)

5' SOLID WHITE (TYP)

TYPE 2 ARROW (TYP.)

FALLING WATER WAY

EARNEY RD

MATCH LINE STA. 62+00
EARNEY ROAD DRAWING 26-02

Falling Water Way

STA. 61+75.00
W2-2 (30)
W16-8P (42x8)

STA. 60+25.83 EARNEY RD.
STA. 200+00.00 FALLING WATER WAY

STA. 57+75.00
W2-2 (30)
W16-8P (42x8)

STA. 59+60.00
R3-7R(30)
RIGHT LANE MUST TURN RIGHT

STA. 60+38.27
R1-1(36)
D3-J (48X12)
D3-1 (66X12)
STOP

NOTE: REMOVE & RESET EXISTING SIGNS THROUGHOUT PROJECT CORRIDOR.

PLANS PREPARED AND SUBMITTED BY:

Branch Offices
AEI
○ 65 Aberdeen Drive, Glasgow, KY 42141, (270) 651-7220
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○ 1945 Scottsville Road, Suite 105, Bowling Green, KY 42104, (270) 782-8686
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS	

DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
SIGN & MARKING PLAN
STA. 49+50 TO STA. 62+00
EARNEY ROAD
26-01

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	49	86

MATCH LINE STA. 62+00
EARNEY ROAD DRAWING 26-01

5' SOLID DOUBLE YELLOW LINE (TYP)

5' SOLID WHITE (TYP)

STA. 67+75.00
W2-2 (30)
W16-8P (36x8)

Hill Crest Rd

Earney Rd

STOP

STA. 76+85.00
R1-1(36)

STA. 76+31.00
R1-1(36)
D3-1 (48X12)
D3-1 (78X12)

Cherokee Springs Dr

NOTE: DO NOT DISTURB OAK TREE AT STA. 72+ 40' LT

RECONST EXIST CATCH BASINS & ADJUST TO GRADE. REMOVE EX C&G

STA. 13+04.16

PT STA. 12+15.92

PC STA. 11+32.62

CHEROKEE SPRING DRIVE
CR 1473 CHEROKEE SPRING DRIVE

POND

PT 69+18.76

PC 66+87.76

PT 71+35.56

65+00

70+00

75+00

S 77°14'15" E
268.99'

S 77°14'11"E

C 507

S 85°47'42" E
417.57'

C 508

24" SOLID WHITE (TYP)

NOTE: CONTRACTOR TO PRESERVE THE TWO CHERRY TREES IN ESMT

13x6 CONCRETE PAD IN WOODBEN FRAME

STA. 64+50.00
W2-2 (30)
W16-8P (36x8)

STA. 66+42.65
R1-1(36)
D3-1 (48X12)
D3-1 (54X12)

STA. 75+00.00
W2-2 (30)
W16-8P (48x8)

STA. 76+25.00
R1-1(36)

STA. 71+70.00
W3-1(30 X 30)

70+18
110'

69+57.14
110'

POESTA. 12+37.07

12+37

HILL CREST ROAD

LIMITS OF CONST.
HILL CREST ROAD
STA. 10+45.40

LL 711
LL 712
LL 729
LL 730

24" SOLID WHITE (TYP)

NOTE: REMOVE LARGE MAPLE TREE AND STUMP AT STA. 76+00 RT

MATCH LINE STA. 77+00
EARNEY ROAD DRAWING 26-03

PLANS PREPARED AND SUBMITTED BY:

AEI

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PROPERTY AND EXISTING R/W LINE ----℄----
REQUIRED R/W LINE ———
CONSTRUCTION LIMITS --C--F--
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS	

DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
SIGN & MARKING PLAN
STA. 62+00 TO STA. 77+00
EARNEY ROAD

26-02

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	50	86

MATCH LINE STA. 77+00
EARNEY ROAD DRAWING 26-02

STA. 78+00.00
W2-2 (30)
W16-8P (48x8)

Cherokee Springs Dr

RED'D R/W

80'00

STA. 81+00.00
W3-1(30 X 30)

5" SOLID DOUBLE YELLOW LINE (TYP)

Hilltop ct

STA. 13+26.02

HILL TOP ROAD

PT STA. 12+53.55

Earney Rd

STOP

STA. 86+18.58
R1-1(36)
D3-1 (48X12)
D3-1 (42X12)

Kuykendall Dr

STA. 85+00.00
W2-2 (30)
W16-8P (36x8)

LIMITS OF CONST.
HILL TOP ROAD
STA. 10+55.20

PI STA. 11+40.77

LL 731
LL 730

STA. 88+00.00
W2-2 (30)
W16-8P (30x8)

Hilltop Ct

10 SY RIP RAP TYPE 3
10 SY PLASTIC
FILTER FABRIC
12" DEPTH

PT 93+11.77

S76°33'53"E

DRIVEWAY TO BE CONSTRUCTED WITH CONCRETE

DRIVEWAY TO BE REPLACED WITH CONCRETE

PT 79+82.18

8 SY RIP RAP
8 SY PLASTIC
FILTER FABRIC
12" DEPTH

Kuykendall Dr

10' GATE

STA. 81+75.00
W2-2 (30)
W16-8P (36x8)

82+71.08
55'

8+55

81+96.08
44.8'

24" SOLID WHITE (TYP)

CTRL PT "3"

CONC. SPILLWAY TYPE C

PC STA. 10+17.90

100°00'00"

DITCH

S60°47'29.1" E

STA. 83+55.13
R1-1(36)
D3-1 (48X12)
D3-1 (54X12)

Kuykendall Dr

STA. 85+00.00
W2-2 (30)
W16-8P (30x8)

Hilltop Ct

10+00

S45°27'07"E

24" SOLID WHITE (TYP)

DENSE TREES

PT STA. 88+22.28

80+38.89
175'

NOTE: CONTRACTOR TO REMOVE THE TWO LARGE PINE TREES EAST OF PROPOSED POND

81+55
165'

PERM ESMT
AREA "1

81+00
220'

81+25
215'

PERM ESMT
AREA "2

LIMITS OF CONST.
KUYKENDALL ROAD
STA. 11+05.00

KUYKENDALL ROAD

Earney Rd

STOP

CONC. SPILLWAY TYPE C

CTRL PT "1"

5" SOLID WHITE (TYP)

REMOVE DW & PIPE

6 FT. CHAIN LINK FENCE W/ BARBED WIRE

12" CMP

24" CMP

DETENTION POND

20 SY RIP RAP TP 3
20 SY PLASTIC
FILTER FABRIC
12" DEPTH

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CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

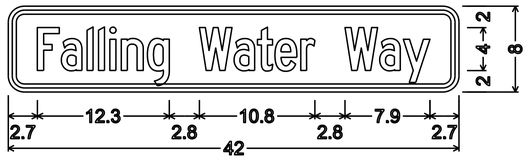
DATE	REVISIONS	DATE	REVISIONS

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
SIGN & MARKING PLAN
STA. 77+00 TO STA. 93+00
EARNEY ROAD
26-03

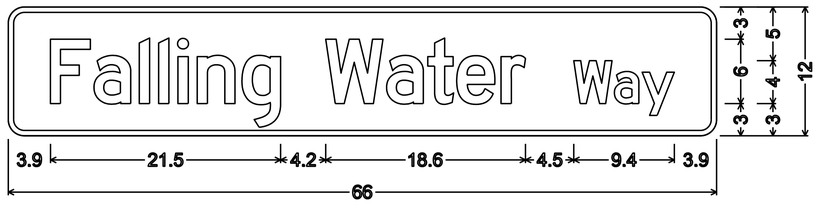
DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$$

CPDOT

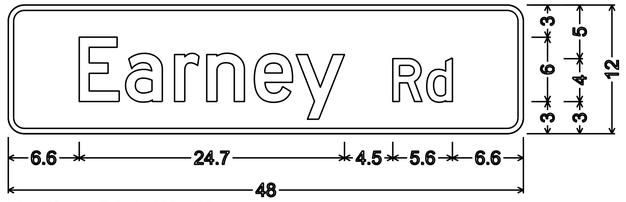
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	51	86



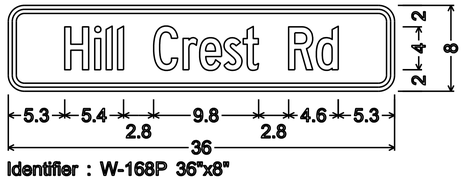
Identifier : W-168P 42"x8"
1.5" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
"Falling Water Way" C 2K 70% spacing;
STA 57+75, 61+75 (SEE SHEET 26-01)



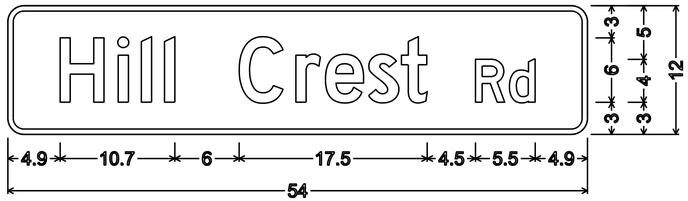
Identifier : D3-1 66"x12";
1.5" Radius, 0.5" Border, White on Green;
"Falling Water" D 2K 70% spacing; "Way" D 2K 70% spacing;
STA 60+38.27 (SEE SHEET 26-01)



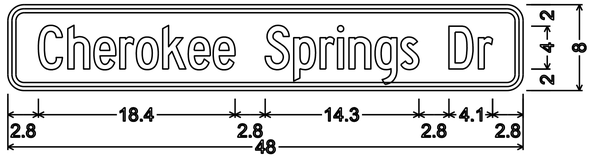
Identifier : D3-1 48"x12"
1.5" Radius, 0.5" Border, White on Green;
"Earney" D 2K; "Rd" D 2K;
STA 60+38.27, 66+42.65, 76+31, 83+55.13, 86+18.58
(SEE SHEETS 26-001, 26-002, 26-003)



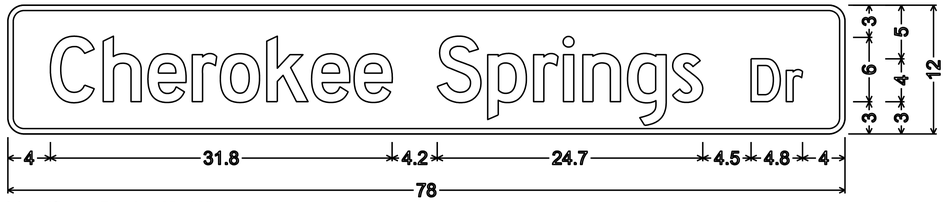
Identifier : W-168P 36"x8"
1.5" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
"Hill Crest Rd" C 2K 70% spacing;
STA 64+50, 67+75 (SEE SHEET 26-02)



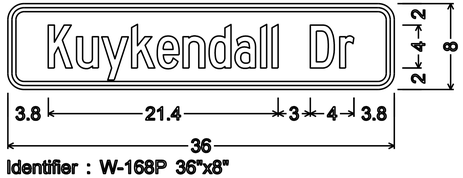
Identifier : D3-1 54"x12"
1.5" Radius, 0.5" Border, White on Green;
"Hill Crest" D 2K; "Rd" D 2K;
STA 66+42.65 (SEE SHEET 26-001)



Identifier : W-168P 48"x8"
1.5" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
"Cherokee Springs Dr" C 2K 70% spacing;
STA 75+00, 78+00 (SEE SHEETS 26-02, 26-03)



Identifier : D3-1 78"x12"
1.5" Radius, 0.5" Border, White on Green;
"Cherokee Springs" D 2K 70% spacing; "Dr" D 2K 70% spacing;
STA 76+31 (SEE SHEET 26-02)



Identifier : W-168P 36"x8"
1.5" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
"Kuykendall Dr" C 2K 70% spacing;
STA 81+75, 85+00 (SEE SHEET 26-03)

PLANS PREPARED AND SUBMITTED BY:

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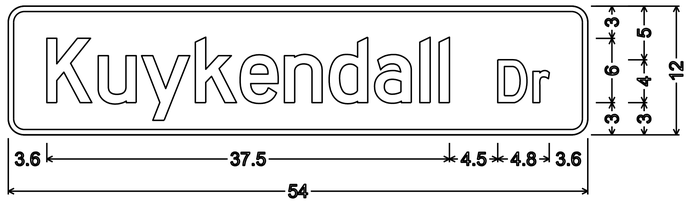
DATE	REVISIONS	DATE	REVISIONS

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
SIGN & MARKING PLAN
EARNEY ROAD
26-04

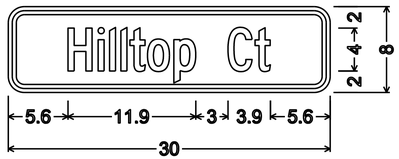
DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$

CPDOT

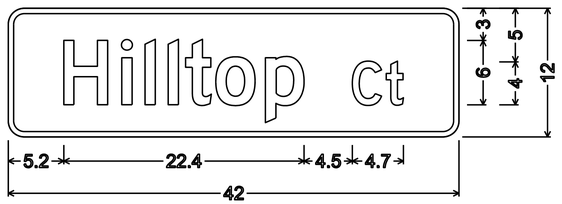
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. I	52	86



Identifier : D3-1 54"x12"
1.5" Radius, 0.5" Border, White on Green;
"Kuykendall" D 2K 70% spacing; "Dr" D 2K 70% spacing;
STA 83+55.13 (SEE SHEET 26-03)



Identifier : W-168P 30"x8"
1.5" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
"Hilltop Ct" C 2K 70% spacing;
STA 85+00, 88+00 (SEE SHEET 26-03)



Identifier : D3-1 42"x12"
1.5" Radius, 0.5" Border, White on Green;
"Hilltop" D 2K; "Ct" D 2K;
STA 86+18.58 (SEE SHEET 26-03)

PLANS PREPARED AND SUBMITTED BY:

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DATE	REVISIONS	DATE	REVISIONS	

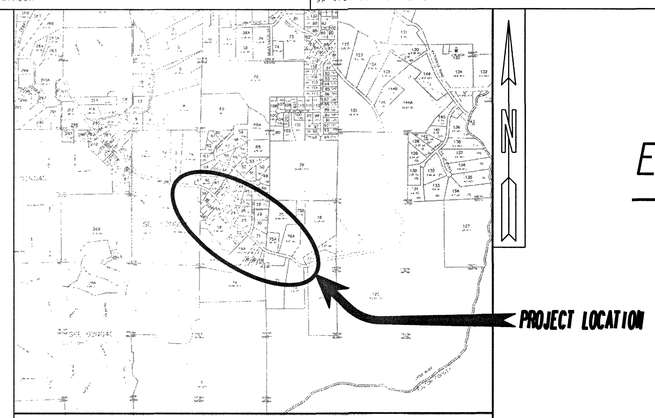
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
SIGN & MARKING PLAN
EARNEY ROAD
26-05

DGN:$SPECIFICATION$$$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$

CPDOT

4/1/2019 swilkinson	Jversion gpiotborder-V81-PO.tbl	50-01.dgn GRWCOV	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	PR-297 (057) CT. 1	53	86

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
EROSION, SEDIMENT, & POLLUTION CONTROL PLAN

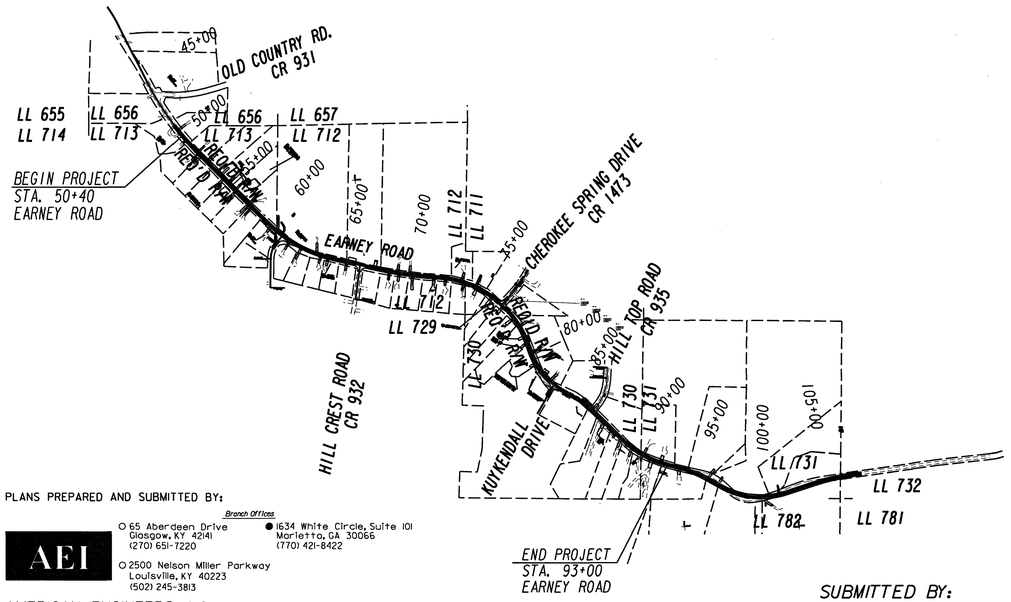


LOCATION SKETCH

This project has been prepared using the Horizontal Georgia Coordinate System of 1984(NAD1983)/94 WEST Zone, and the North American Vertical Datum (NAVD) of 1988.

EARNEY ROAD (FROM OLD COUNTRY ROAD/CR 931 TO EARNEY ROAD DAM)
ROADWAY IMPROVEMENTS
CHEROKEE COUNTY
PROJECT NO. PR-297 (057) CT. 1

BEGIN-POINT COORDINATES
Longitude: 84°23' 05.1"
Latitude: 34°08' 09.5"
MID-POINT COORDINATES
Longitude: 84°22' 43.8"
Latitude: 34°07' 59.8"
END-POINT COORDINATES
Longitude: 84°22' 24.6"
Latitude: 34°07' 46.8"



"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GAR100002." TF#00000 18849

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR100002." TF#00000 18849

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water." TF#00000 18849

"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision." TF#00000 18849

PRIMARY PERMITTEE

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
1130 Bluffs Parkway
Canton, Georgia 30114
Phone: (678) 493-6081

PLANS PREPARED AND SUBMITTED BY:

Branch Offices
○ 65 Aberdeen Drive, Glasgow, KY 42141, (270) 651-7220
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SCALE IN FEET
0 500 1000 2000

GEORGIA REGISTERED No. 028001 PROFESSIONAL ENGINEER THOMAS SCOTT FRAVEL

4/1/2019

SUBMITTED BY: Tom Fravel 0000018849

Thomas S. Fravel, P.E. — GSWCC LEVEL II Certification Number

24 HOUR CONTACT:

Name

Street Address

City, State Zip

Phone Number

Email Address

Contractor shall complete the information in this box.

LENGTH OF PROJECT	COUNTY No. 028 Project PR-297-(057) CT. 1
COUNTY: CHEROKEE	MILES
NET LENGTH OF ROADWAY	0.81
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.81
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.81

PLANS COMPLETED 4-1-2019

REVISIONS

DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.#
- -				
- -				
- -				
- -				
- -				
- -				
- -				

DRAWING No. 50-01

ESPCP GENERAL NOTES

The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

PLAN ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161 of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. A major modification or deletion of structural BMP's with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMP's may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

TEMPORARY MULCHING

EPD General Permit GAR 100002 states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation as soon as practicable with a suitable material listed in Standard Specification (or Special Provision) Sections 163, 700, or 711. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or special provisions) and other applicable contract documents, or landscaping plans.

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

Stage 1A is to take place before any existing ground is diturbed and is to consist of the placement of perimeter silt fencing, and stone check dams in existing ditches as well as inlet sediment traps around existing drop inlets. Stage 1 is to consist of the placement of construction exists, mulch, and temporary seeding as soon as grading is completed while silt fence, sediment traps, and rip rap are to be in place as soon as drainage structures are installed. Stage 2 is to consist of the placement of slope matting and permanent soil reinforcing mats along proposed ditches as soon as grading is completed. All temporary BMPs are to be removed upon completion of construction and final stabilization.

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

SOIL SERIES INFORMATION

The following is a summary of the soils that are expected to be found on the project site:

Symbol	Name
HJE3	Hayesville sandy clay loam, 10 to 25 percent slopes, severely eroded
HIB	Hayesville fine sandy loam, 2 to 6 percent slopes
HIC	Hayesville fine sandy loam, 6 to 10 percent slopes
HIE	Hayesville fine sandy loam, 10 to 25 percent slopes
MjB	Madison fine sandy loam, 2 to 6 percent slopes
MjD	Madison fine sandy loam, 10 to 25 percent slopes
TbE	Tallapoosa cobbly sandy loam, 10 to 25 percent slopes
TcD	Tallapoosa fine sandy loam, 6 to 15 percent slopes
ToE	Tallapoosa fine sandy loam, 15 to 25 percent slopes

Due to the size and scope of this project and the nature of soil series maps, it is not reasonably practical to delineate the precise locations of the above listed soils on the construction plans. The NRCS soil survey and soil series maps for the project site are also available online at http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.

POSTCONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

All permanent postconstruction BMP's are shown in the construction plans and in the ESPCP plan. The postconstruction BMP's for this project consist of vegetation, riprap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channel/ditch stabilization with turf reinforcing mats, and riprap where necessary. The postconstruction BMP's will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.)

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

SITE STABLIZATION AND BMP MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for stabilization and maintenance measures.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

NONSTORMWATER DISCHARGES

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint, oils, curing compounds, and other construction materials.

DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

INSPECTIONS

The primary permittee (GDOT) must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within seven (7) days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5. of the current GAR100002 Permit, within seven (7) days of installation and all sediment basins within the entire linear infrastructure project within seven (7) days of installation. The inspecting design professional shall report the results to the primary permittee within seven (7) days, and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent seven-day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

OTHER CONTROLS

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

RETENTION OF RECORDS

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GAR100002.

SEDIMENT STORAGE

The site has a total disturbed area of 8.10 acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

Drainage Area	Location	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (yd³)	Total Storage Volume Provided (yd³)	Sediment Basins		Check Dam (# yd³/each)		Inlet Sediment Traps (# yd³/each)		Silt Gates (# yd³/each)		Silt Fence (0.3 yd³/ft)	
						Basin #	Total Volume (yd³)	# of Devices	Total Volume (yd³)	# of Devices	Total Volume (yd³)	# of Devices	Total Volume (yd³)	Length of Fence (ft)	Total Volume (yd³)
A	51+12 LT	1.29	0.06	86.43	60			3	48	1	12				
B	55+53 LT	9.26	1.85	620.42	817.1			11	176	7	84			1857	557.1
C	81+33 RT	16.66	3.26	1116.22	2460.1	1	1200	25	400	21	252			2027	608.1
D	90+67 LT	4.51	1.54	302.17	302.9			17	272					103	30.9
E	91+19 RT	4.8	0.85	321.6	142.6			4	64					262	78.6
	Total Sheet Flow	0.54	0.54	36.18	654.9			9	144					1703	510.9

To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

TEMPORARY SEDIMENT BASIN DETAILS:

Sediment basins will not be utilized at the following outfall locations for reasons noted below:

Station 51+12 LT: A Sediment Basin is not used at this location.. The disturbed acreage within the drainage area is 0.06 acres. The construction of a sediment basin will have adverse impacts from the additional disturbance.

Station 55+53 LT: A Sediment Basin is not used at this location.. The disturbed acreage within the drainage area is 1.85 acres. The construction of a sediment basin will have adverse impacts from the additional disturbance.

Station 90+67 LT: A Sediment Basin is not used at this location.. The disturbed acreage within the drainage area is 1.54 acres. The construction of a sediment basin will have adverse impacts from the additional disturbance.

Station 91+19 RT: A Sediment Basin is not used at this location. The disturbed acreage within the drainage area is 0.85 acres. The construction of a sediment basin will have adverse impacts from the additional disturbance.

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REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

ESPCP GENERAL NOTES

EARNEY ROAD

DRAWING No.
51-01

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternative or additional BMPs will be used on this project.

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

STATE-WATER BUFFER IMPACTS

State-water buffers, as defined by O.C.G.A. 12-7-1, are not impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures.

CHANNEL PROTECTION

Begin Station and Offset	End Station and Offset	Q_{25} (ft^3/s)	V_{25} (ft/s)	Type of Channel Lining	Channel Bottom Width (ft)	Depth of Protection Dp (ft)	Quantity (yd^2)
55+35, 30' LT	55+53,300 LT	4.1	7.31	TRM-1	2.0	0.50	100
73+76, 27' RT	74+23, 29' RT	0.4	2.00	TRM-1	2.0	0.50	23
74+75, 29' RT	75+44, 29' RT	1.1	2.57	TRM-1	2.0	0.50	33
76+01, 29' RT	76+52, 32' RT	1.7	3.15	TRM-1	2.0	1.00	22
78+05, 29' RT	79+03, 29' RT	2.9	3.64	TRM-1	2.0	1.00	70
83+87, 23' LT	86+19, 28' LT	6.6	4.42	TRM-1	V-DITCH	1.00	155
86+84, 29' LT	90+61, 36' LT	8.3	4.68	TRM-1	V-DITCH	1.00	147
86+86, 23' RT	87+41, 23' RT	5.4	8.71	TRM-1	V-DITCH	1.00	40
87+90, 23' RT	89+06, 24' RT	8.9	3.72	TRM-1	V-DITCH	1.00	80
89+22, 25' RT	90+05, 25' RT	9.4	3.03	TRM-1	V-DITCH	1.00	60
90+51, 28' RT	91+19, 40' RT	9.5	3.31	TRM-1	V-DITCH	1.00	55

INTENDED SEQUENCE OF MAJOR ACTIVITIES

ACTIVITY / MONTH	6	7	8	9	10	11	12	1	2	3	4	5
INITIAL EROSION AND SEDIMENT CONTROL	■											
INTERMEDIATE EROSION AND SEDIMENT CONTROL		■	■	■	■							
CLEARING AND GRUBBING		■	■									
GRADING				■	■	■	■	■				
STORM DRAINAGE				■	■	■	■					
UTILITY RELOCATION		■	■	■	■	■	■					
PAVING								■	■	■	■	
MAINTAIN EROSION CONTROL	■	■	■	■	■	■	■	■	■	■	■	■
FINAL STABILIZATION										■	■	
CLEAN UP											■	■

ANTICIPATED START DATE: JUNE 2019

EXISTING IMPERVIOUS AREA:	1.61 ACRES
NET DECREASED IMPERVIOUS AREA:	0.76 ACRES
NET DECREASED IMPERVIOUS AREA BY PERCENTAGE OF TOTAL:	32%

SAMPLING GENERAL NOTES

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

Note: The Total site area is 10.98 acres.

SAMPLING INFORMATION											Representative Sampling Scheme OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi^2)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
1	55+53 , 310' LT	Little River	All	Outfall	0.0	1.85	Warm	75	N/A	Storm Drain Pipe	Road Widening	1.85	0.039	N/A	B
2	81+33 , 159' RT	Little River	All	Outfall	0.0	3.26	Warm	50	N/A	Ex. Ditch	Road Widening	3.26	0.01	N/A	C

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

RIPRAP OUTLET PROTECTION

Structure #, Outfall ID#, or Station and Offset	Pipe Diameter Do (ft)	Q_{25} (ft^3/s)	V_{25} (ft/s)	Tailwater Condition (TW<0.5 Do TW>0.5 Do)	Width at Drainage Structure W1=3Do (ft)	Apron Length La (ft)	Downstream Width W2=Do+La (ft)	Average Stone Diameter d_{50} (ft)	Apron Thickness D (ft)	Riprap Type (Type 3 or Type 1)	Quantity (yd^2)
55+53, 310' LT	1.5	23.0	19.83	TW>0.5 Do	10.00	90	10.00	0.40	1.00	Type 3	100
90+67, 45' LT	Exist. Ditch	9.47	1.67	N/A	N/A	15	10	0.40	1.00	Type 3	20
91+19, 58' RT	Exist. Ditch	9.5	0.35	N/A	N/A	18	10	0.40	1.00	Type 3	20

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ESPCP GENERAL NOTES

EARNEY ROAD

DRAWING No. 51-02

Georgia Soil and Water Conservation Commission

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Limestone Valley SWCD

Project Name: Earney Road **Address:** _____

City/County: Cherokee County **Date on Plans:** _____

Name & Email of Person Filling Out Checklist: Thomas S. Fravel, P.E. tfravel@aci.cc

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-03	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
50-01	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
50-01	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
50-01	Y	4 Provide the name, address, email address, and phone number of primary permittee.
53-01	Y	5 Note total and disturbed acreage of the project or phase under construction.
50-1	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-01	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-01	Y	8 Description of the nature of construction activity.
50-01	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
55-01	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-01	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
50-01	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit.*
50-01	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of permit as applicable.*
51-01	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5. page 26 of the permit.*
51-02	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
51-02	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-01	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
51-01	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
51-01	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-01	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-01	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
N/A	N	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
51-02	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
51-01	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-01	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
51-01	Y	27 Description of practices to provide cover for building materials and building products on site.*
51-01	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges.*

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-02	Y	29 Description and chart or timeline of the intended sequence of major activites which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
51-01	Y	30 Provide complete requirements of inspections and record keeping by the primary permittee.*
51-02	Y	31 Provide complete requirements of sampling frequency and reporting of sampling results.*
51-01	Y	32 Provide complete details for retention of records as per Part IV.F. of the permit.*
51-02	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location.*
51-02	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
53-01	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.*
51-01	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
50-01	Y	37 Graphic scale and North arrow.
53-01	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
51-02	Y	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
51-02	Y	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
N/A	N	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-01	Y	43 Delineation and acreage of contributing drainage basins on the project site.
53-01	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53-01	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
53-01	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-01	Y	47 Soil series for the project site and their delineation.
54-01	Y	48 The limits of disturbance for each phase of construction.
51-01	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasable, a written justification explaining this decision must be included in the plan.
54-01	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
56-01	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
51-01	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

Existing Contours	USGS 1": 2000' Topographical Sheets
Proposed Contours	1" : 400' Centerline Profile

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.

Effective January 1, 2019

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REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
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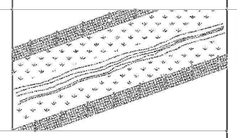
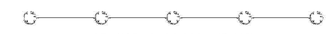
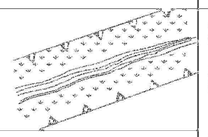
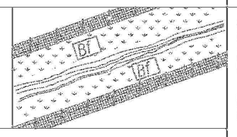
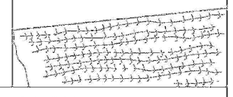
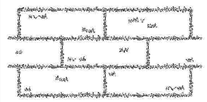
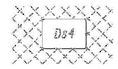
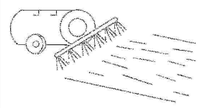
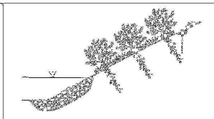
ESPCP GENERAL NOTES

EARNEY ROAD

DRAWING No. 51-03

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
	LINE CODE	 ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
	LINE CODE	 ESA-25'(OR 50')STREAM BUFFER, ETC.	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
	SYMBOL	Bf	
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds1	
Ds2	TEMPORARY GRASSING SECTION 163, 700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds2	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL	Ds3	
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	PATTERN		
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
	SYMBOL	Fl-Co	
	POLYACRYLAMIDE		
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
	PATTERN		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

PLANS PREPARED AND SUBMITTED BY:
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3/2/2017		

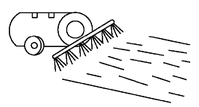
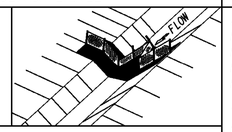
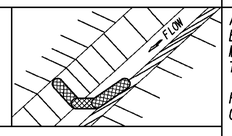
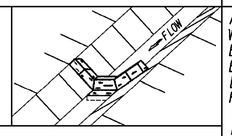
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

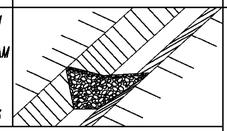
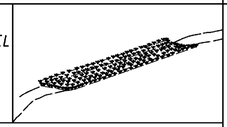
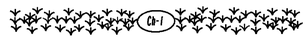
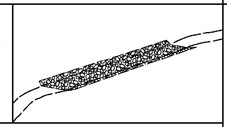
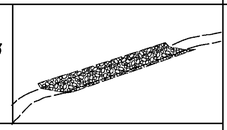
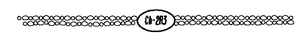
EROSION CONTROL LEGEND

EARNEY ROAD

DRAWING No. 52-01

10/23/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
	PATTERN 		
Tac	TACKIFIERS SECTION 163, 700, 895		TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
	SYMBOL Tac POLYACRYLAMIDE		
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-F		
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-Fs		
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-Hb		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-S		
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
	LINE CODE 		
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE 		
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE 		

NOTE:

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2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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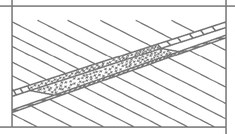
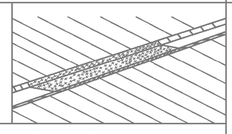
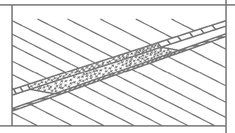
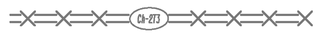
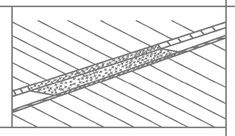
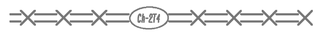
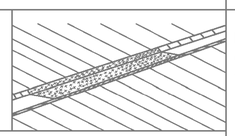
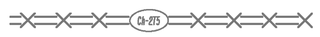
3/2/2017		
11/28/2018		

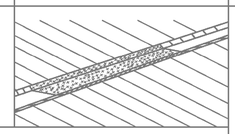
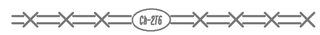
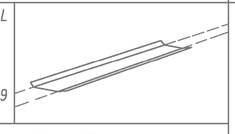
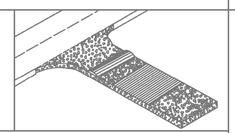
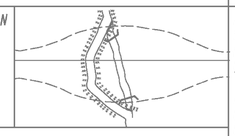
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

EROSION CONTROL LEGEND

EARNEY ROAD

DRAWING No. 52-02

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441	 LINE CODE 	CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4' THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH 'Dp' RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. 'Dp' SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800	 SYMBOL 	A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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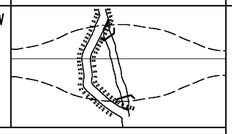
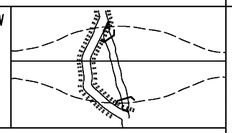
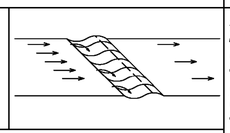
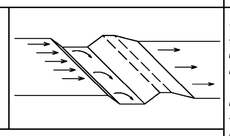
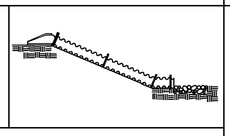
REVISION DATES
3/2/2017

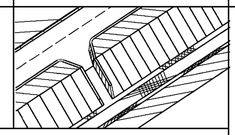
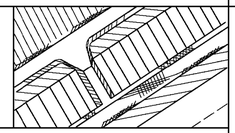
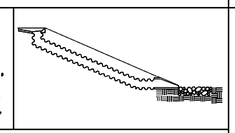
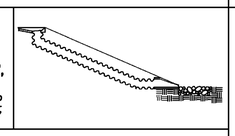
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

EROSION CONTROL LEGEND

EARNEY ROAD

DRAWING No. 52-03

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163 LINE CODE —D——D——D—(Dc-B)—D——D——D—		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163 LINE CODE —D——D——D—(Dc-C)—D——D——D—		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
Dl-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205 LINE CODE (Dl-1)		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dnl" OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
Dl-2	DIVERSION CHANNEL SECTION 205 LINE CODE (Dl-2)		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
Dnl	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163 LINE CODE —T——T——T—(Dnl)—T——T——T—		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'. THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441 LINE CODE Dn2-A		A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441 LINE CODE Dn2-B		A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577 LINE CODE Dn2-1		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577 LINE CODE Dn2-2		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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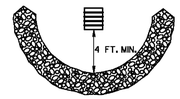
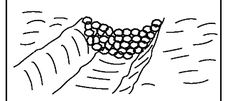
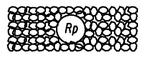
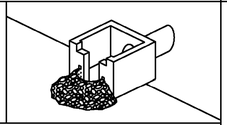
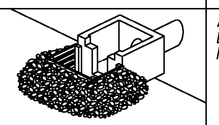
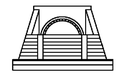
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:
EROSION CONTROL LEGEND
EARNEY ROAD

DRAWING No. 52-04

10/23/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
	SYMBOL Fr		
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
	SYMBOL Rd		
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603		STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT. THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
	LINE CODE 		
Rp	RIP-RAP SECTION 603		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-I SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
	PATTERN 		
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163		A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Rt-P		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Rt-B		
Rt-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
	SYMBOL Rt-Sg1 Rt-Sg2 Rt-Sg3		
Sdl-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
	LINE CODE 		
Sdl-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
	LINE CODE 		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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○ 65 Aberdeen Drive, Glasgow, KY 42141, (270) 651-7220
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REVISION DATES		
3/2/2017		

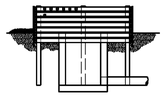
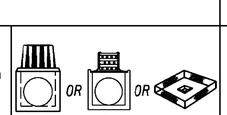
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

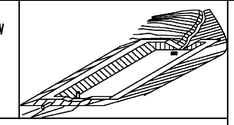
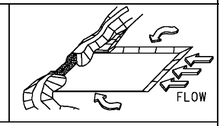
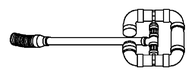
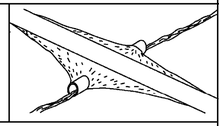
EROSION CONTROL LEGEND

EARNEY ROAD

DRAWING No. 52-05

10/23/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201	 LINE CODE * * * Sd1-BB * * *	THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163	 SYMBOL Sd2-B	BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163	 SYMBOL Sd2-Bg	BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163	 (a) OR (b) OR (c) SYMBOL Sd2-F	(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163	 SYMBOL Sd2-G	GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163	 SYMBOL Sd3	A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS. SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163	 FLOW SYMBOL Sd4-C	TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET. A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163	 SYMBOL Sk	A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS. SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
Sr	TEMPORARY STREAM CROSSING SECTION 107	 SYMBOL Sr	A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN. THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs). REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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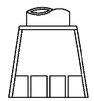
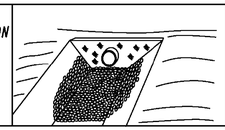
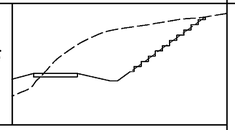
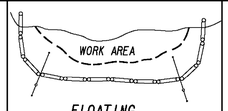
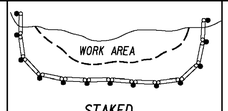
REVISION DATES		
3/2/2017		
11/28/2018		

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:
EROSION CONTROL LEGEND
EARNEY ROAD
DRAWING No. 52-06

10/23/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332	 SYMBOL St	A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603	 PATTERN FLAT AREA St-Rp OR St-Rp WELL-DEFINED CHANNEL	RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 </= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 </= 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205	 LINE CODE Su	PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS. BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170	 WORK AREA FLOATING LINE CODE Tc-F	A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170	 WORK AREA STAKED LINE CODE Tc-S	A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

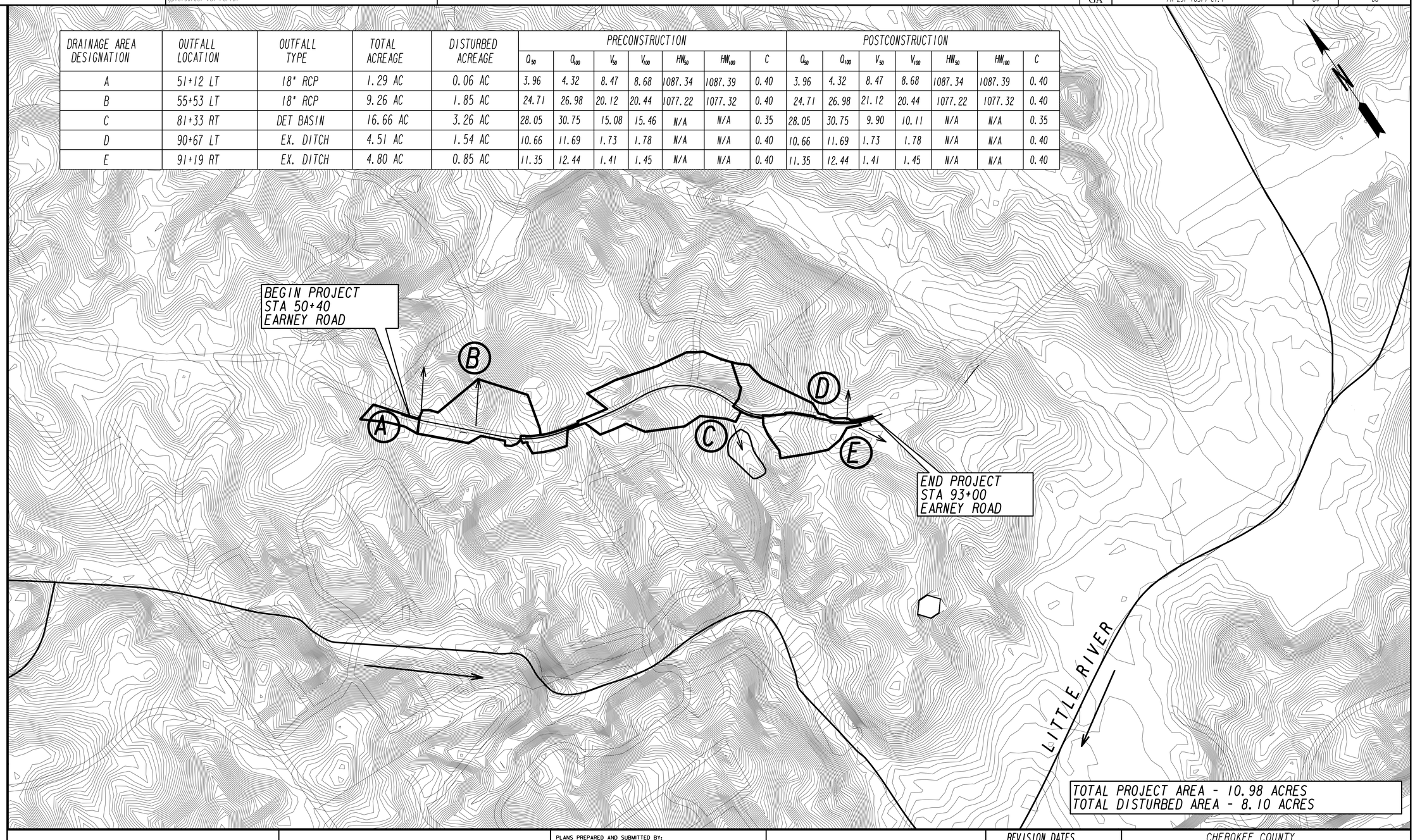
EROSION CONTROL LEGEND

EARNEY ROAD

DRAWING No. 52-07

10/23/2015 GPLN

DRAINAGE AREA DESIGNATION	OUTFALL LOCATION	OUTFALL TYPE	TOTAL ACREAGE	DISTURBED ACREAGE	PRECONSTRUCTION							POSTCONSTRUCTION						
					Q_{50}	Q_{100}	V_{50}	V_{100}	HW_{50}	HW_{100}	C	Q_{50}	Q_{100}	V_{50}	V_{100}	HW_{50}	HW_{100}	C
A	51+12 LT	18" RCP	1.29 AC	0.06 AC	3.96	4.32	8.47	8.68	1087.34	1087.39	0.40	3.96	4.32	8.47	8.68	1087.34	1087.39	0.40
B	55+53 LT	18" RCP	9.26 AC	1.85 AC	24.71	26.98	20.12	20.44	1077.22	1077.32	0.40	24.71	26.98	21.12	20.44	1077.22	1077.32	0.40
C	81+33 RT	DET BASIN	16.66 AC	3.26 AC	28.05	30.75	15.08	15.46	N/A	N/A	0.35	28.05	30.75	9.90	10.11	N/A	N/A	0.35
D	90+67 LT	EX. DITCH	4.51 AC	1.54 AC	10.66	11.69	1.73	1.78	N/A	N/A	0.40	10.66	11.69	1.73	1.78	N/A	N/A	0.40
E	91+19 RT	EX. DITCH	4.80 AC	0.85 AC	11.35	12.44	1.41	1.45	N/A	N/A	0.40	11.35	12.44	1.41	1.45	N/A	N/A	0.40



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(770) 421-8422
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SCALE IN FEET
0 400 800 1600

REVISION DATES

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

EROSION CONTROL DRAINAGE AREA MAP

EARNEY ROAD

DRAWING No. 53-01

11/04/2016 GPLNOLD

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	65	86

NOTE: RECONSTRUCT PARCEL 38 ENTIRE DRIVEWAY AND PORTION OF SIDEWALK. PITCH DRIVEWAY PAD AWAY FROM HOUSE.

NOTE: DO NOT DISTURB WELL DURING CONSTRUCTION

BEGIN PROJECT STA 50+40 EARNEY ROAD BEG. FULL DEPTH RECONSTRUCTION

OLD COUNTRY ROAD CR 931

CR 297

C505

C506

S 44°47'18" E 990.48'

S44°47'23"E

PI 200+00.00

PT 199+32.04

PC 198+14.22

PI 196+14.48

STA. 60+25.83 EARNEY RD. = STA. 200+00.00 FALLING WATER WAY

MATCH LINE STA. 62+00 EARNEY ROAD DRAWING 54-02

NOTE: DO NOT DISTURB TREES EAST OF DRIVEWAY AT STA. 60+16

NOTE: DO NOT DISTURB OAK TREE AT STA. 49+83, 40' RT

NOTE: DO NOT DISTURB MAPLE TREE AT STA. 59+50

NOTE: REMOVE STUMPS AND VISIBLE ROOTS OF TWO LARGE MAPLE TREES IN TEMP. ESMT

10' STORM DRAINAGE EASEMENT

OBE TREE PROTECTION

(RETAIN)

26 JAMES T. & JEWEL F. YOUNG

27 LARINDA T. REEVES

28 MARY HUFFINGTON

29 TAMARA LYNN WHITE & ADAM JOSEPH BULLOCK

30 R. L. CLOSSON CONTRACTING

31 ROGER K. & ELISNA D. BECK

32 JOHN S. & JOSEPHINE MANOUS

33 BRIAN S. PRICE

34 SUE RICHARDSON

35 MARGARET B. PHILLIPS

36 EDWIN P. HALL, JR.

37 ALAN PATRICK & PENNY DALY

38 STEVEN WAYNE & DORIS SWARTZ

39 ROBERT R. & PATRICIA K. GEORGE

40 WALTER H. & BARBARA A. CLAY

41 ROBERT F. & ROGER S. MONTGOMERY

42 JONATHAN L. & PATTY P. TURNER

43 KENNETA C. & ROBIN D. CALENDER

44 WILLIAM GARRETT & FRANCIS OWENS

45 JARRED C. & SOPHIA L. CLARK

46

LL 656 LL 713

LL 712 LL 713

STAGE 1A

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINT. OF SLOPE
EASEMENT FOR CONSTR. & MAINT. OF SEDIMENT BASINS
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

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DATE	REVISIONS	DATE	REVISIONS

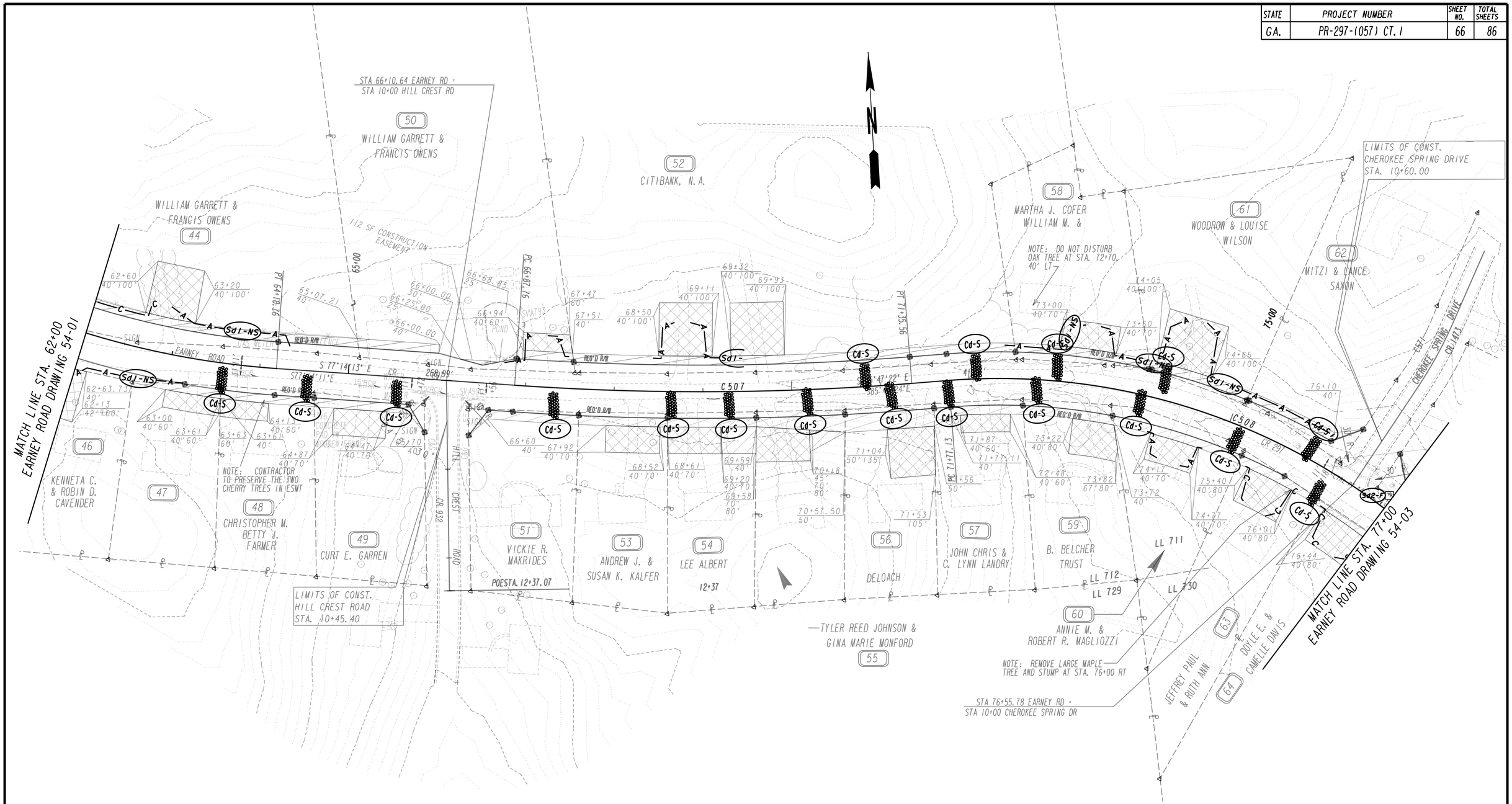
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

BMP LOCATION DETAILS

STA. 49+50 TO STA. 62+00
EARNEY ROAD

54-01

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	66	86



STAGE 1A

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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS	

DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
BMP LOCATION DETAILS
STA. 62+00 TO STA. 77+00
EARNEY ROAD

54-02

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	67	86

MATCH LINE STA. 77+00
EARNEY ROAD DRAWING 54-02

65 DANIEL C. & MIRIAM BURK

67 ALAN W. & SUSIE CARROLL

STA 83+27.78 EARNEY RD CONSTR. CENTERLINE
STA 10+13.62 KUYKENDALL DRIVE

70 CARL M. & ABBY R. GESSNER
PARCEL NO. 70
REQ'D R/W 0.151 ACRES OR 6590 SQ. FT.
REM. 0.94 +/- ACRES

STA. 13+26.02
PT STA. 12+53.55
CR 935 HILL TOP ROAD

72 EDWARD M. & LORI J. PEQUITA

LIMITS OF CONST. HILL TOP ROAD STA. 10+55.20

LL 731
LL 730

77 TIMOTHY & TAMMY HICKS

74 GREGORY J. & CARLA A.. STIVER

DRIVEWAY TO BE CONSTRUCTED WITH CONCRETE

DRIVEWAY TO BE REPLACED WITH CONCRETE

EARNEY ROAD

REQ'D R/W

DENSE TREES

PC STA 10+17.90

S45°27'07"E

S76°33'53"E

PT 93+11.17

64

DOYLE E. & CAMELLE DAVIS

66 ROGER L. & WANDA L. CHAPMAN

68 CHARLES DELANEY COFFEER

69 LANELL RACHELL KUYKENDALL

PERM ESMT AREA #1

PERM ESMT AREA #2

CHAIN LINK FENCE TO RUN ALONG PROPOSED R/W ENDING AT EXISTING DRIVEWAY ALONG KUYKENDALL ROAD.

NOTE: CONTRACTOR TO REMOVE THE TWO LARGE PINE TREES EAST OF PROPOSED POND

KUYKENDALL DRIVE

LIMITS OF CONST. KUYKENDALL ROAD STA. 11+05.00

71 TOMMY & TAMMY EVANS

STA 86+55.40 EARNEY RD CONSTR. CL = STA 10+00.42 HILL TOP RD

73 MICHAEL D. & FRANCINE R. JOHNSON

73A FRANCINE RENEE JOHNSON

75 MICHAEL D. & FRANCINE R. JOHNSON

75A TOMMY B. WILLINGHAM

76 BFP FARMS LLC

76A BFP FARMS LLC

78 CAPITAL CITY CLUB

DO NOT DISTURB WOOD RAIL FENCE

REMOVE DW & PIPE

END PROJECT STA 93+00 EARNEY ROAD

DETENTION POND

24" CMP

DRAINAGE DITCH

CHAIN LINK FENCE

STAGE IA

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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINT. OF SLOPE
EASEMENT FOR CONSTR. & MAINT. OF SEDIMENT BASINS
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

BMP LOCATION DETAILS

STA. 77+00 TO STA. 93+00
EARNEY ROAD

54-03

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	68	86

NOTE: RECONSTRUCT PARCEL 38 ENTIRE DRIVEWAY AND PORTION OF SIDEWALK. PITCH DRIVEWAY PAD AWAY FROM HOUSE.

NOTE: DO NOT DISTURB WELL DURING CONSTRUCTION

BEGIN PROJECT STA 50+40 EARNEY ROAD BEG. FULL DEPTH RECONSTRUCTION

COUNTRY ROAD OLD CR 931

CR 297

26 JAMES T. & JEWEL F. YOUNG

28 MARY HUFFINGTON

30 R. L. CLOSSON CONTRACTING

31 ROGER K. & ELISNA D. BECK

34 SUE RICHARDSON

36 EDWIN P. HALL, JR.

38 STEVEN WAYNE & DORIS SWARTZ

40 WALTER H. & BARBARA A. CLAY

44 WILLIAM GARRETT & FRANCIS OWENS

27 LARINDA T. REEVES

29 TAMARA LYNN WHITE & ADAM JOSEPH BULLOCK

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41 ROBERT F. & ROGER S. MONTGOMERY

42 JONATHAN L. & PATTY P. TURNER

45 JARRED C. & SOPHIA L. CLARK

46 KENNETA C. & ROBIN D. CALENDER

43

N 1504492.85
E 2230698.35

N 1503996.24
E 2231191.68

STA. 60+25.83 EARNEY RD.
STA. 200+00.00 FALLING WATER WAY

MATCH LINE STA. 62+00 EARNEY ROAD DRAWING 54-05

C 505

C 506

PI 200+00.00

PC 58+77.95

PC 198+14.22

PI 196+14.48

PT 199+32.04

990.48'

S 44°47'18" E

S44°47'23"E

100 SY RIP RAP, TP 3
100 SY PLASTIC FILTER FABRIC
DEPTH

10' STORM DRAINAGE EASEMENT

REPLACE ENTIRE DRIVEWAY W/ 6" CONC. D/W

REPLACE SIDEWALK W/ 4" CONC. S/W

RESET 5' WOOD FENCE

RECONST. 4' CONC. S/W

REGR'D R/W

NOTE: DO NOT DISTURB OAK TREE AT STA. 49+83, 40' RT

NOTE: REMOVE STUMPS AND VISIBLE ROOTS OF TWO LARGE MAPLE TREES IN TEMP. ESMT

NOTE: DO NOT DISTURB TREES EAST OF DRIVEWAY AT STA. 60+15

NOTE: DO NOT DISTURB MAPLE TREE AT STA. 59+50

OBF TREE PROTECTION

WOOD FENCE

LIMITS OF CONSTRUCTION
STA. 198+89.00
FALLING WATER WAY
MATCH EXISTING PAVING

LL 656
LL 713
LL 712

STAGE 1

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REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINT. OF SLOPE
EASEMENT FOR CONSTR. & MAINT. OF SEDIMENT BASINS
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

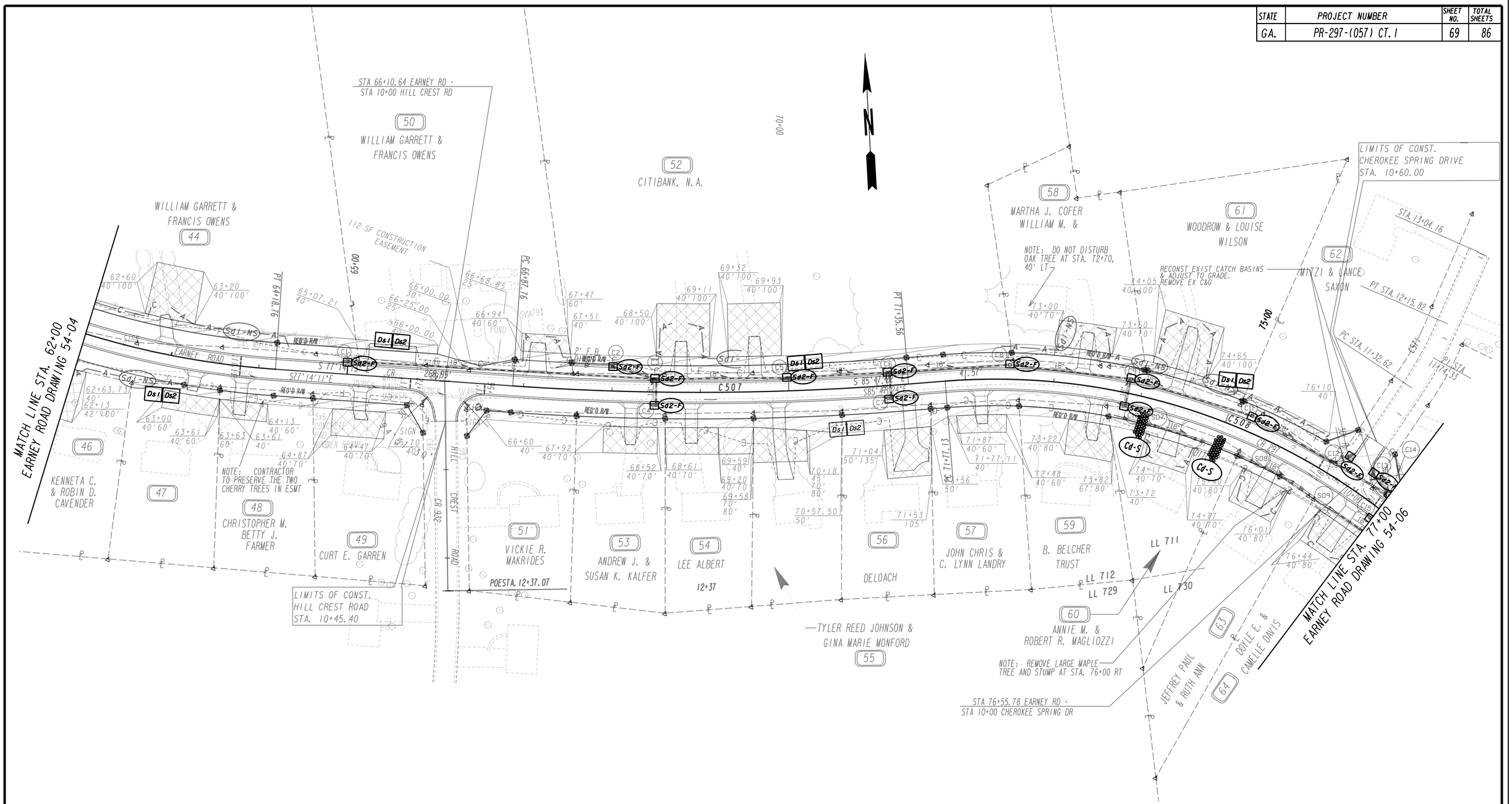
BMP LOCATION DETAILS

STA. 49+50 TO STA. 62+00
EARNEY ROAD

54-04

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	69	86



STAGE 1

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REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

BMP LOCATION DETAILS

STA. 62+00 TO STA. 77+00
EARNEY ROAD

54-05

DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	70	86

MATCH LINE STA. 77+00
EARNEY ROAD DRAWING 54-05

DANIEL C. & MIRIAM BURK

ALAN W. & SUSIE CARROLL

STA 83+27.78 EARNEY RD CONSTR. CENTERLINE
STA 10+13.62 KUYKENDALL DRIVE

CARL M. & ABBY R. GESSNER
PARCEL NO. 70
REQ'D R/W 0.151 ACRES
W 6,606.83 SQ. FT.
E 2,965.24
REM. 6.944 +/- 07 ACRES

CENTERLINE FOR R/W ACQUISITION

CONSTRUCTION CENTERLINE

EDWARD M. & LORI J. PEQUITA

STA. 13+26.02
PT STA. 12+53.55
CR 935 HILL TOP ROAD
PI STA. 11+40.77

LIMITS OF CONST. HILL TOP ROAD STA. 10+55.20

LL 731
LL 730

TIMOTHY & TAMMY HICKS

GREGORY J. & CARLA A.. STIVER

10 SY RIP RAP TYPE 3
10 SY PLASTIC FILTER FABRIC
12" DEPTH

PT 93+11.77

DRIVEWAY TO BE CONSTRUCTED WITH CONCRETE

DRIVEWAY TO BE REPLACED WITH CONCRETE

8 SY RIP RAP TP 3
8 SY PLASTIC FILTER FABRIC
12" DEPTH

80+36.35
80+73
165'

80+38.89
175'

PERM ESMT AREA #1

PERM ESMT AREA #2

CONSTRUCTION CENTERLINE

NOTE: CONTRACTOR TO REMOVE THE TWO LARGE PINE TREES EAST OF PROPOSED POND

CHAIN LINK FENCE TO RUN ALONG PROPOSED R/W ENDING AT EXISTING DRIVEWAY ALONG KUYKENDALL ROAD.

KUYKENDALL DRIVE

LIMITS OF CONST. KUYKENDALL ROAD STA. 11+05.00

TOMMY & TAMMY EVANS

STA 86+55.40 EARNEY RD CONSTR. CL
STA 10+00.42 HILL TOP RD

DO NOT DISTURB WOOD RAIL FENCE

REMOVE DW & PIPE

END PROJECT STA 93+00 EARNEY ROAD

CAPITAL CITY CLUB

DOYLE E. & CAMELLE DAVIS

ROGER L. & WANDA L. CHAPMAN

CHARLES DELANEY COFFEER

LANELL RACHELL KUYKENDALL

MICHAEL D. & FRANCINE R. JOHNSON

FRANCINE RENEE JOHNSON

MICHAEL D. & FRANCINE R. JOHNSON

TOMMY B. WILLINGHAM

BFP FARMS LLC

BFP FARMS LLC

BFP FARMS LLC

20 SY RIP RAP TP 3
20 SY PLASTIC FILTER FABRIC
12" DEPTH

DO NOT DISTURB WOOD RAIL FENCE

CONC. SPILLWAY TYPE C

DITCH

DETENTION POND

DIRT DRIVE

CHAIN LINK FENCE

STAGE 1

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REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINT. OF SLOPE
EASEMENT FOR CONSTR. & MAINT. OF SEDIMENT BASINS
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS	

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

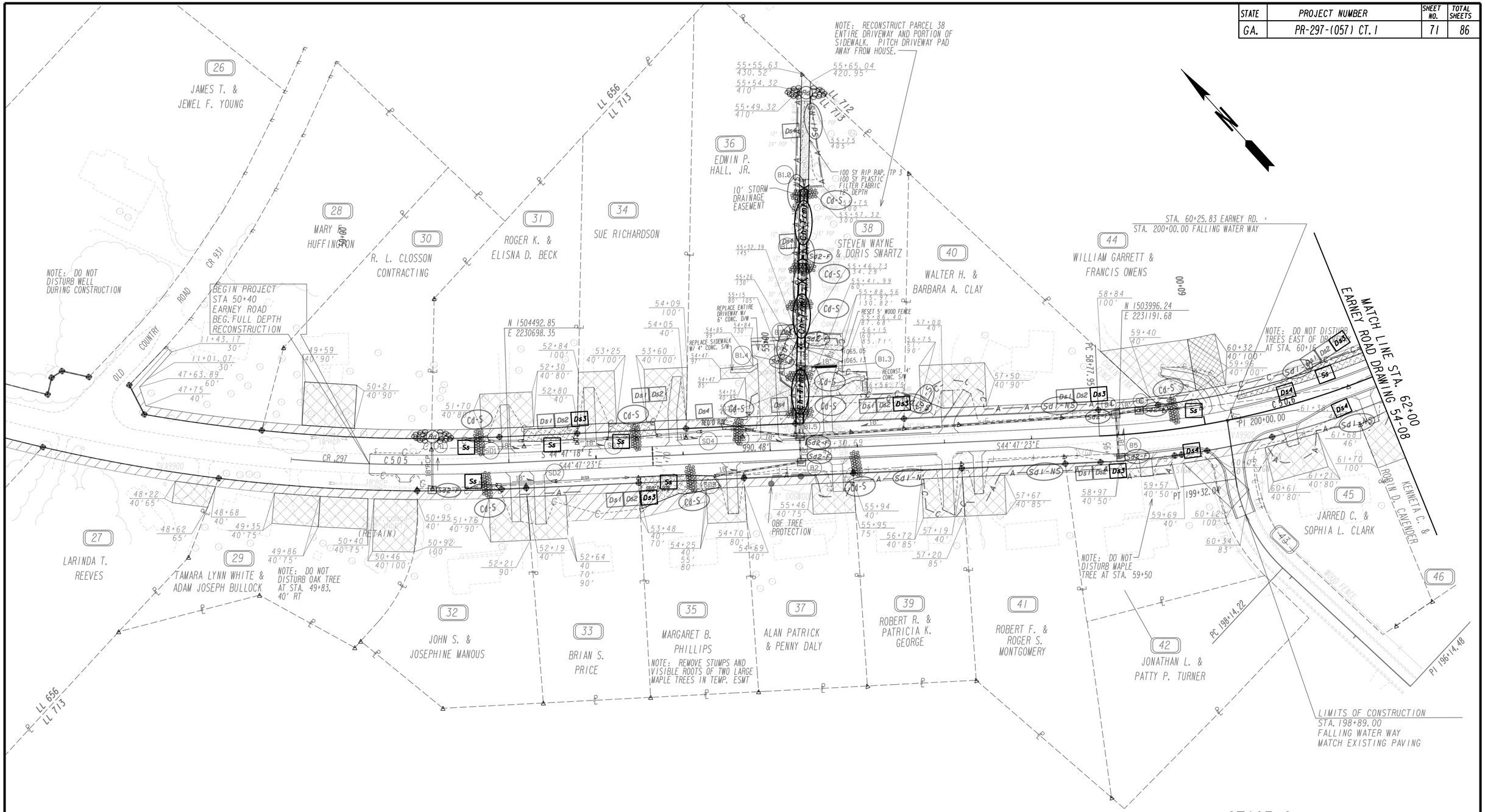
BMP LOCATION DETAILS

STA. 77+00 TO STA. 93+00
EARNEY ROAD

54-06

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	71	86



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REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR. & MAINT. OF SLOPE
EASEMENT FOR CONSTR. & MAINT. OF SEDIMENT BASINS
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

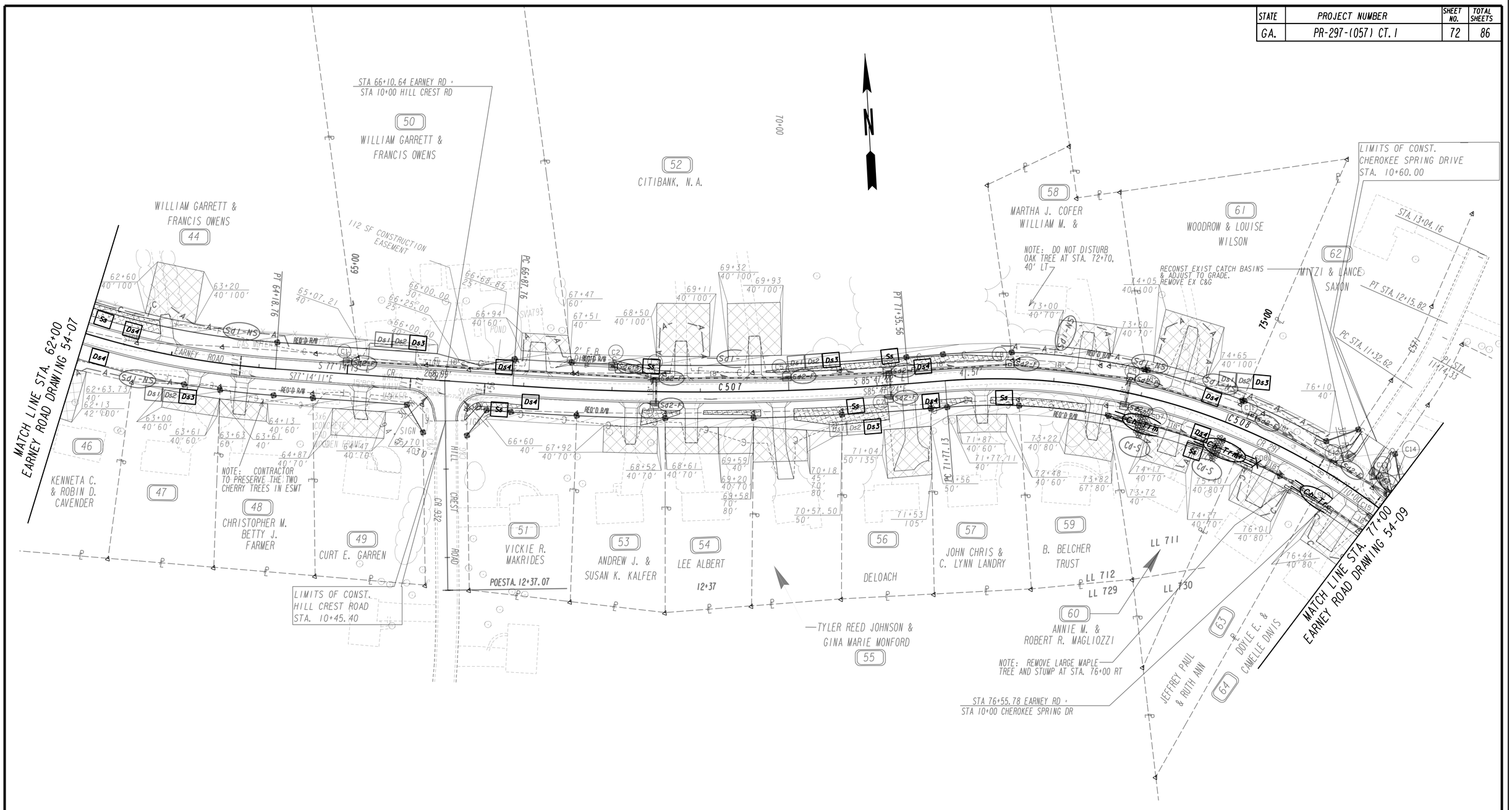
DATE	REVISIONS	DATE	REVISIONS

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
BMP LOCATION DETAILS
STA. 49+50 TO STA. 62+00
EARNEY ROAD

54-07

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	72	86



STAGE 2

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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS	

DGN$SPECIFICATION$$$$$$$$$$$$$$$$$$$$
SHOWDATETIME$$$$$$

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
BMP LOCATION DETAILS
STA. 62+00 TO STA. 77+00
EARNEY ROAD

54-08

CPDOT

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PR-297-(057) CT. 1	73	86

MATCH LINE STA. 77+00
EARNEY ROAD DRAWING 54-08

65 DANIEL C. & MIRIAM BURK

67 ALAN W. & SUSIE CARROLL

STA 83+27.78 EARNEY RD CONSTR. CENTERLINE
STA 10+13.62 KUYKENDALL DRIVE

70 CARL M. & ABBY R. GESSNER

N 1503064.83
E 2233053.07

CENTERLINE FOR R/W ACQUISITION

72 EDWARD M. & LORI J. PEQUITA

CONSTRUCTION CENTERLINE

STA. 13+26.02
PT STA. 12+53.55
PI STA. 11+40.77
CR 935 HILL TOP ROAD
LL 731
LL 730

LIMITS OF CONST. HILL TOP ROAD STA. 10+55.20

74 GREGORY J. & CARLA A.. STIVER

77 TIMOTHY & TAMMY HICKS

10 SY RIP RAP TYPE 3
10 SY PLASTIC FILTER FABRIC
12" DEPTH

PC STA. 79+98.18
PT STA. 79+41.18
80'00

DRIVEWAY TO BE CONSTRUCTED WITH CONCRETE

DRIVEWAY TO BE REPLACED WITH CONCRETE

8 SY RIP RAP TP 3
8 SY PLASTIC FILTER FABRIC
12" DEPTH
80+36.35
80+73
165'

80+38.89
175'

PERM ESMT AREA #1

PERM ESMT AREA #2

81+55
165'

81+00
220'

81+25
215'

81+00
81+25
205'

CHAIN LINK FENCE TO RUN ALONG PROPOSED R/W ENDING AT EXISTING DRIVEWAY ALONG KUYKENDALL ROAD.

CONSTRUCTION CENTERLINE

NOTE: CONTRACTOR TO REMOVE THE TWO LARGE PINE TREES EAST OF PROPOSED POND

KUYKENDALL DRIVE

LIMITS OF CONST. KUYKENDALL ROAD STA. 11+05.00

71 TOMMY & TAMMY EVANS

STA 86+55.40 EARNEY RD CONSTR. CL
STA 10+00.42 HILL TOP RD

DO NOT DISTURB WOOD RAIL FENCE

REMOVE DW & PIPE

78 CAPITAL CITY CLUB

END PROJECT STA 93+00 EARNEY ROAD

20 SY RIP RAP TP 3
20 SY PLASTIC FILTER FABRIC
12" DEPTH

66 DOYLE E. & CAMELLE DAVIS ROGER L. & WANDA L. CHAPMAN

68 CHARLES DELANEY COFFEER

69 LANELL RACHELL KUYKENDALL

73 MICHAEL D. & FRANCINE R. JOHNSON

73A FRANCINE RENEE JOHNSON

75 MICHAEL D. & FRANCINE R. JOHNSON

75A TOMMY B. WILLINGHAM

76A BFP FARMS LLC

76 BFP FARMS LLC

76A BFP FARMS LLC

STAGE 2

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1945 Scottsville Road, Suite 105, Bowling Green, KY 42104, (270) 782-8686

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

SCALE IN FEET
0 50 100 200

DATE	REVISIONS	DATE	REVISIONS	

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

BMP LOCATION DETAILS

STA. 77+00 TO STA. 93+00
EARNEY ROAD

54-09

CPDOT

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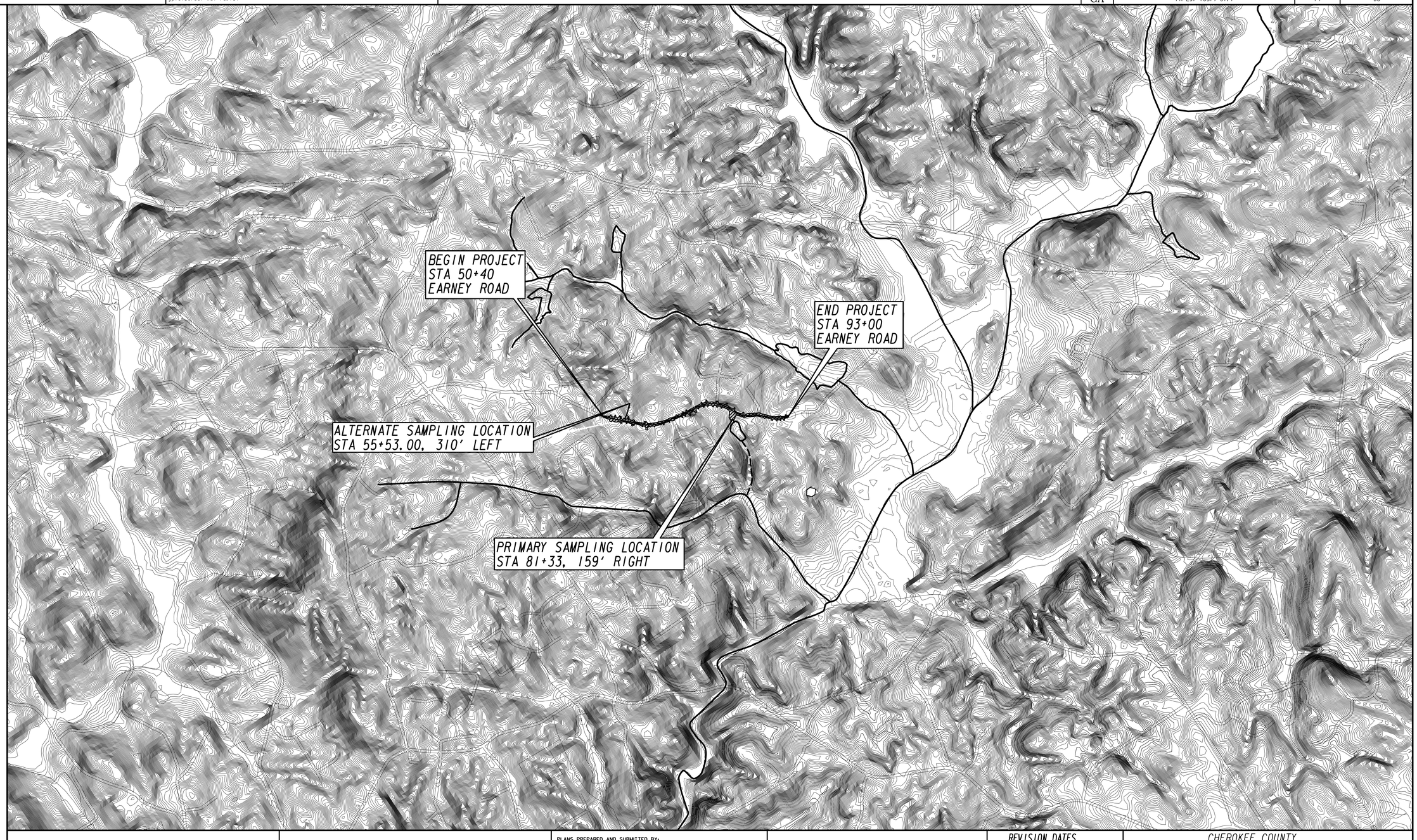
mwilkinson		gplotborder-V81-P0.tbl		GA	PR-297-(057) CT. 1	74	86



11/04/2016 GPLNOLD

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○ 2500 Nelson Miller Parkway
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(770) 421-8422

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SCALE IN FEET
0 1000 2000 4000

REVISION DATES		

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

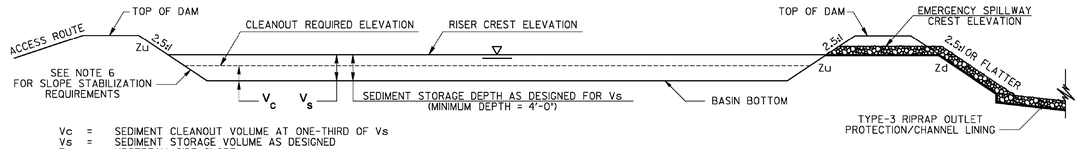
OFFICE:

WATERSHED MAP
SITE MONITORING PLAN

EARNEY ROAD

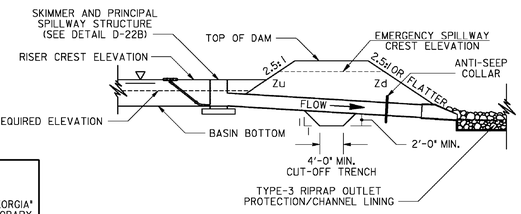
DRAWING No. 55-01

SECTION A-A

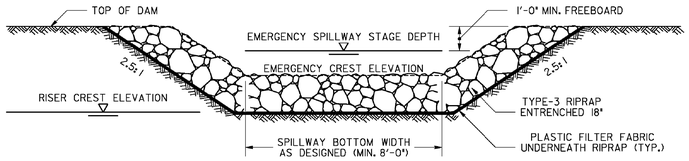


Vc = SEDIMENT CLEANOUT VOLUME AT ONE-THIRD OF Vs
Vs = SEDIMENT STORAGE VOLUME AS DESIGNED
Zu = UPSTREAM SIDE SLOPE
Zd = DOWNSTREAM SIDE SLOPE

SECTION B-B

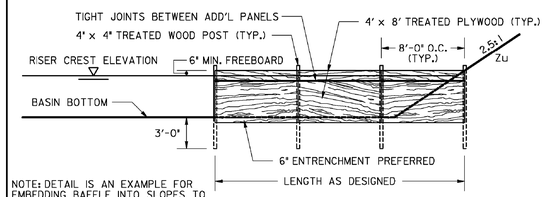


EMERGENCY SPILLWAY DETAIL

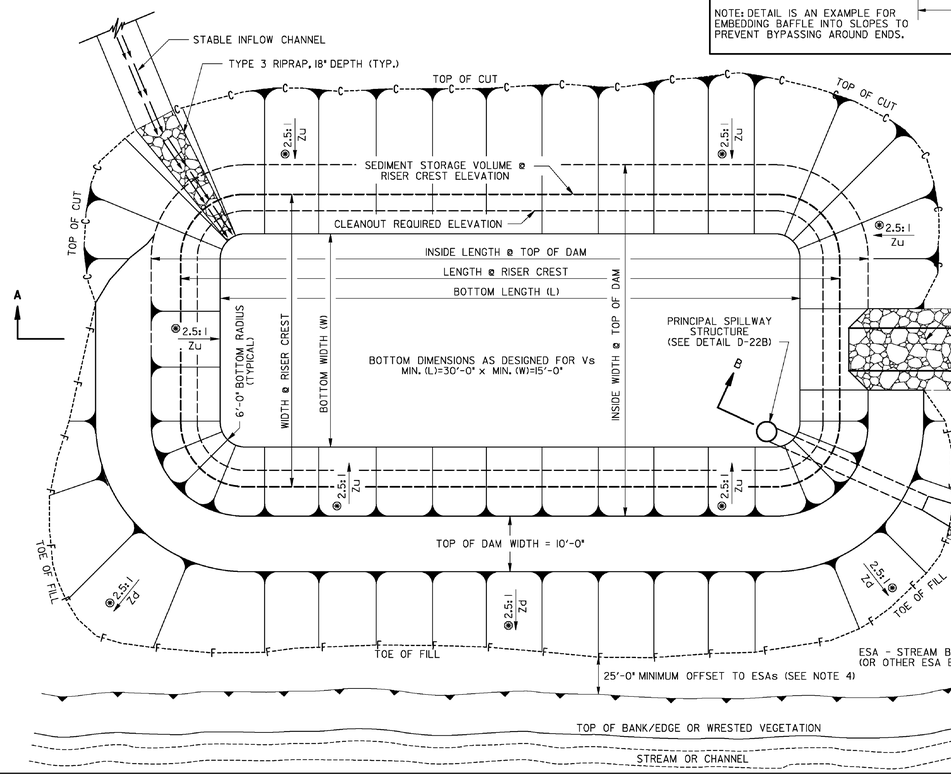


BAFFLE DETAIL

REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR INFORMATION ON BAFFLE LAYOUT. BAFFLES LENGTHS AND LOCATION(S) WITHIN EACH TEMPORARY SEDIMENT BASIN SHALL BE PROVIDED IN THE ESPCP. SEE NOTE 5 FOR APPLICABILITY.



NOTE: DETAIL IS AN EXAMPLE FOR EMBEDDING BAFFLE INTO SLOPES TO PREVENT BYPASSING AROUND ENDS.



◉ CUT SLOPES SHALL BE 2.5:1. FILL SLOPES SHALL BE 2.5:1 OR FLATTER. SEE NOTE 6 FOR STABILIZATION REQUIREMENTS.

GENERAL NOTES:

1. A TEMPORARY SEDIMENT BASIN IS DESIGNED TO STORE A MINIMUM OF 67 CUBIC YARDS OF SEDIMENT PER ACRE OF CONTRIBUTING DRAINAGE AREA. A PRINCIPAL SPILLWAY IS DESIGNED TO CONVEY THE 2-YEAR, 24-HOUR STORM EVENT AND AN EMERGENCY SPILLWAY IS DESIGNED TO BE USED IN CONJUNCTION WITH THE PRINCIPAL SPILLWAY TO CONVEY THE 25-YEAR, 24-HOUR STORM EVENT.
2. A FLOATING SURFACE SKIMMER IS A REQUIRED BEST MANAGEMENT PRACTICE (BMP) TO DEWATER THE BASIN'S SEDIMENT STORAGE VOLUME WITHIN 24 TO 48 HOURS.

   CONTRACTOR MAY SUBMIT AN ACCEPTABLE ALTERNATE FLOATING SURFACE SKIMMER DESIGN FOR EACH CORRESPONDING TEMPORARY SEDIMENT BASIN. THE CONTRACTOR'S GSWCC LEVEL II DESIGN PROFESSIONAL SHALL SUBMIT THE ALTERNATE FLOATING SURFACE SKIMMER DESIGN.
3. TEMPORARY SEDIMENT BASINS ARE GENERALLY CONSTRUCTED AT THE TOE OF A SLOPE, EXCAVATED ON THE UPHILL SIDE, AND DAMMED ON THE DOWNHILL SIDE. SUFFICIENT EASEMENT AS WELL AS AN ACCESS ROUTE WITH 3:1 SLOPES OR LESS IS REQUIRED TO CONSTRUCT AND MAINTAIN EACH TEMPORARY SEDIMENT BASIN.
4. A MINIMUM OF 25'-0" SHOULD BE PROVIDED FROM THE CONSTRUCTION LIMITS OF THE TEMPORARY SEDIMENT BASIN TO AN ENVIRONMENTALLY SENSITIVE AREA (ESA). THIS AREA WOULD ALLOW THE INSTALLATION OF PERIMETER CONTROL BMPs OUTSIDE OF THE ESA WHILE MAINTAINING ACCESS AROUND THE TEMPORARY SEDIMENT BASIN. APPLICABLE PERIMETER CONTROL BMPs ARE INDEPENDENT OF THE TEMPORARY SEDIMENT BASIN AND WILL BE PAID FOR SEPARATELY.
5. THE LENGTH TO WIDTH RATIO AT THE RISER CREST ELEVATION SHALL BE NO LESS THAN 2:1. IF NOT, USE BAFFLES TO INCREASE THE EFFECTIVE FLOW LENGTH FROM THE INFLOW TO THE PRINCIPAL SPILLWAY TO MEET THE REQUIRED RATIO.
6. SLOPE STABILIZATION (EROSION CONTROL MATTING) SHALL BE INSTALLED ON ALL 2.5:1 SLOPES. THE ENGINEER MAY ALLOW BONDED FIBER MATRIX ON SOME SLOPES. PERMANENT GRASSING SHALL BE USED TO STABILIZE DISTURBED AREAS AFTER CONSTRUCTION OF THE TEMPORARY SEDIMENT BASIN. PERMANENT STABILIZATION MEASURES SHALL BE USED WHEN THE TEMPORARY SEDIMENT BASIN IS REMOVED.
7. REFER TO THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPCP) FOR THE LOCATION AND SPECIFIC DESIGN INFORMATION FOR EACH SEDIMENT BASIN. ALL ITEMS SHOWN AND INCIDENTAL ITEMS NECESSARY FOR CONSTRUCTION ARE TO BE INCLUDED IN THE OVERALL BID PRICE FOR EACH TEMPORARY SEDIMENT BASIN.
8. SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY SEDIMENT BASINS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF TEMPORARY SEDIMENT BASINS.
9. A STAKE SHALL BE PLACED NEAR THE PRINCIPAL SPILLWAY NOTING THE CLEANOUT ELEVATION. THE ENGINEER MAY DIRECT CONTRACTOR TO REMOVE UP TO 1 FOOT OF SEDIMENT AROUND THE SKIMMER AREA TO ENSURE FUNCTIONALITY OF THE SKIMMER AT NO ADDITIONAL COST.

PAY ITEMS:
163-0531 CONSTRUCT & REMOVE SEDIMENT BASIN, STA NO- (EA)
165-0060 MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO- (EA)

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DLE	BAFFLE, MISC. CLARIFICATIONS	11-28-18	DATE
JDG	EMERG. SPILLWAY & NOTES	6-2-14	
BY	GENERAL NOTES & ANTIFLOTATION BLOCK REVISION		

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SEDIMENT BASIN

NO SCALE AUGUST 2011

DESIGNED ____ DRAWN ____ CHECKED ____ REVISED DLE

NUMBER D-22A (SHEET 1 OF 2)

PLANS PREPARED AND SUBMITTED BY:
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OFFICE:

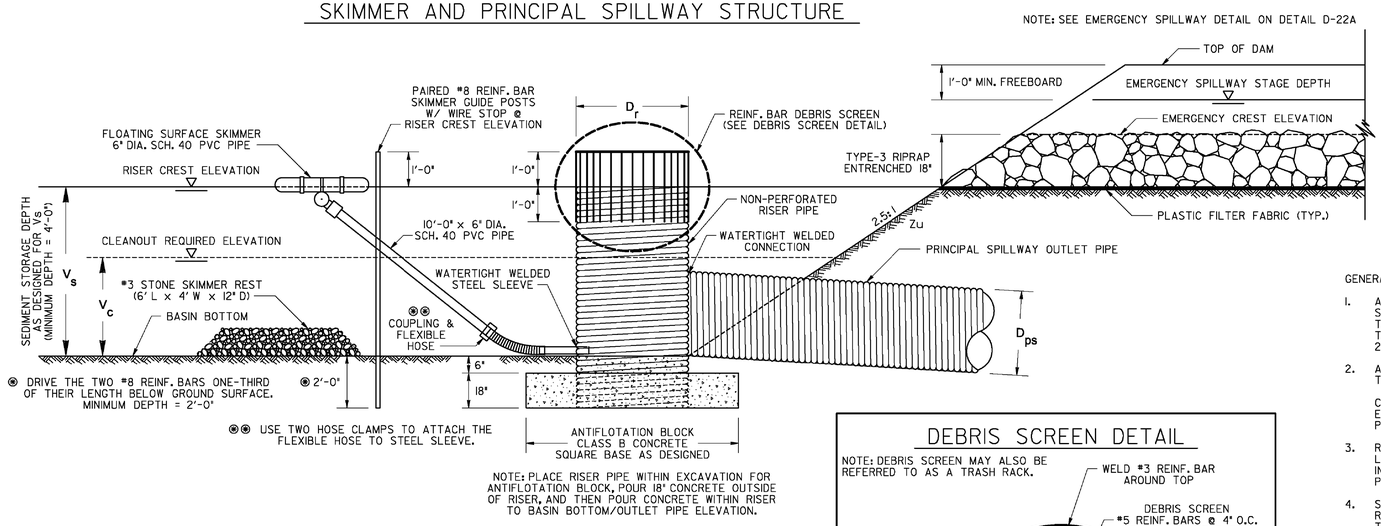
EROSION CONTROL CONSTRUCTION DETAILS

EARNEY ROAD

DRAWING No. 56-01

11/04/2016 GPLN

SKIMMER AND PRINCIPAL SPILLWAY STRUCTURE

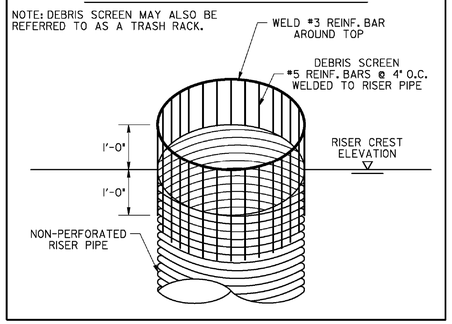


NOTE: PLACE RISER PIPE WITHIN EXCAVATION FOR ANTIFLOTATION BLOCK, POUR 18" CONCRETE OUTSIDE OF RISER, AND THEN POUR CONCRETE WITHIN RISER TO BASIN BOTTOM/OUTLET PIPE ELEVATION.

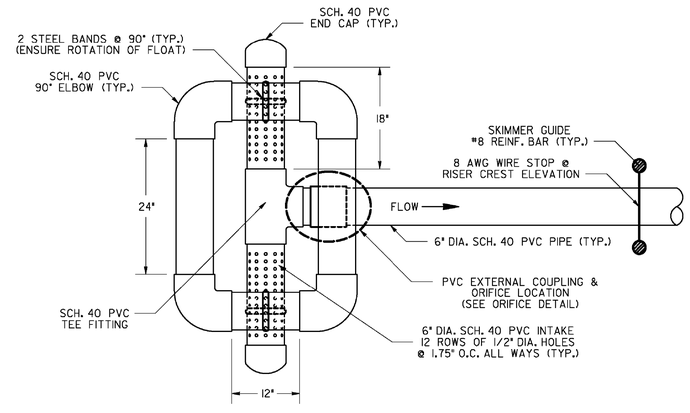
Dr = PRINCIPAL SPILLWAY RISER PIPE DIAMETER
Dps = PRINCIPAL SPILLWAY OUTLET PIPE DIAMETER
Vc = SEDIMENT CLEANOUT VOLUME AT ONE-THIRD OF Vs
Vs = SEDIMENT STORAGE VOLUME AS DESIGNED
Zu = UPSTREAM SIDE SLOPE
Zd = DOWNSTREAM SIDE SLOPE

DEBRIS SCREEN DETAIL

NOTE: DEBRIS SCREEN MAY ALSO BE REFERRED TO AS A TRASH RACK.

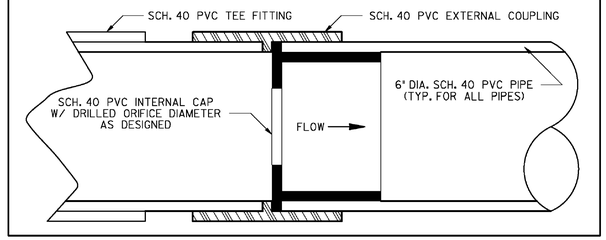


FLOATING SURFACE SKIMMER TOP VIEW DETAIL



ORIFICE DETAIL

THE CONTRACTOR MAY SUBMIT AN ACCEPTABLE ALTERNATE METHOD FOR CONSTRUCTING THE ORIFICE.



DRILLED ORIFICE DIAMETER (IN) TABLE							
1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0
DISCHARGE WITH 0.75 FEET OF HEAD (CFS)							
0.02	0.05	0.09	0.15	0.21	0.38	0.59	0.85

NOTE: THE HYDRAULIC HEAD IS APPROXIMATE AND MEASURED FROM THE WATER SURFACE TO THE CENTROID OF THE ORIFICE WITH A 0.62 DISCHARGE COEFFICIENT.

GENERAL NOTES:

1. A TEMPORARY SEDIMENT BASIN IS DESIGNED TO STORE A MINIMUM OF 67 CUBIC YARDS OF SEDIMENT PER ACRE OF CONTRIBUTING DRAINAGE AREA. A PRINCIPAL SPILLWAY IS DESIGNED TO CONVEY THE 2-YEAR, 24-HOUR STORM EVENT AND AN EMERGENCY SPILLWAY IS DESIGNED TO BE USED IN CONJUNCTION WITH THE PRINCIPAL SPILLWAY TO CONVEY THE 25-YEAR, 24-HOUR STORM EVENT.
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3. REFER TO THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPCP) FOR THE LOCATION AND SPECIFIC DESIGN INFORMATION FOR EACH SEDIMENT BASIN. ALL ITEMS SHOWN AND INCIDENTAL ITEMS NECESSARY FOR CONSTRUCTION ARE TO BE INCLUDED IN THE OVERALL BID PRICE FOR EACH TEMPORARY SEDIMENT BASIN.
4. SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY SEDIMENT BASINS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF TEMPORARY SEDIMENT BASINS.
5. A STAKE SHALL BE PLACED NEAR THE PRINCIPAL SPILLWAY NOTING THE CLEANOUT ELEVATION. THE ENGINEER MAY DIRECT CONTRACTOR TO REMOVE OF UP TO 1 FOOT OF SEDIMENT AROUND SKIMMER AREA TO ENSURE FUNCTIONALITY OF THE SKIMMER AT NO ADDITIONAL COST.
6. REFER TO DETAIL D-22A FOR ADDITIONAL INFORMATION ON THE TEMPORARY SEDIMENT BASIN.

PAY ITEMS:
163-0531 CONSTRUCT & REMOVE SEDIMENT BASIN, STA NO- (EA)
165-0060 MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO- (EA)

11-28-18	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
NOTES & EMERG. SPILLWAY	REVISION	CONSTRUCTION DETAILS TEMPORARY SEDIMENT BASIN
		NO SCALE — JUNE 2014
DLE	BY	DESIGNED JDG DRAWN JDG CHECKED DLE REVISED DLE
		NUMBER D-22B (SHEET 2 OF 2)

PLANS PREPARED AND SUBMITTED BY:
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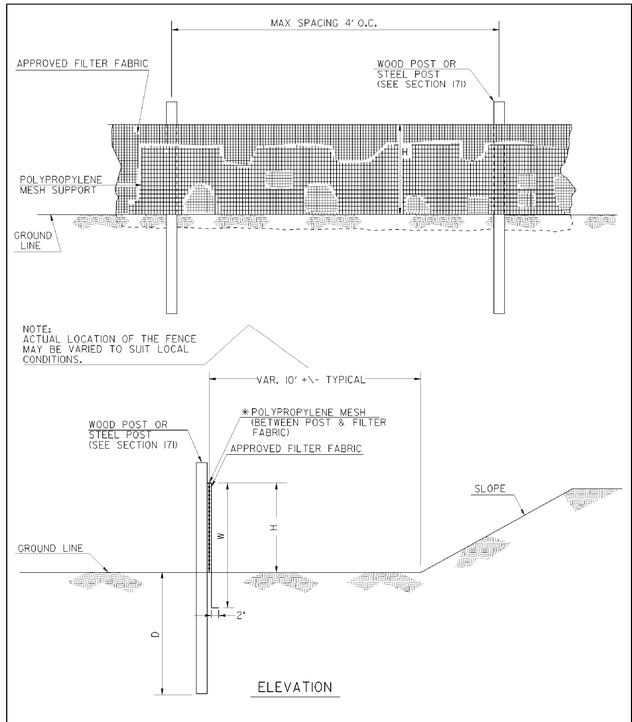
DEPARTMENT OF TRANSPORTATION
OFFICE:

EROSION CONTROL CONSTRUCTION DETAILS

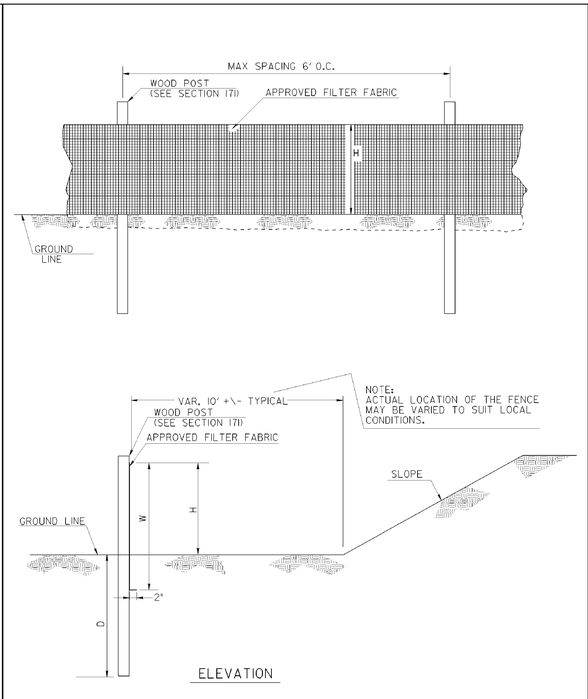
EARNEY ROAD

DRAWING No. 56-02

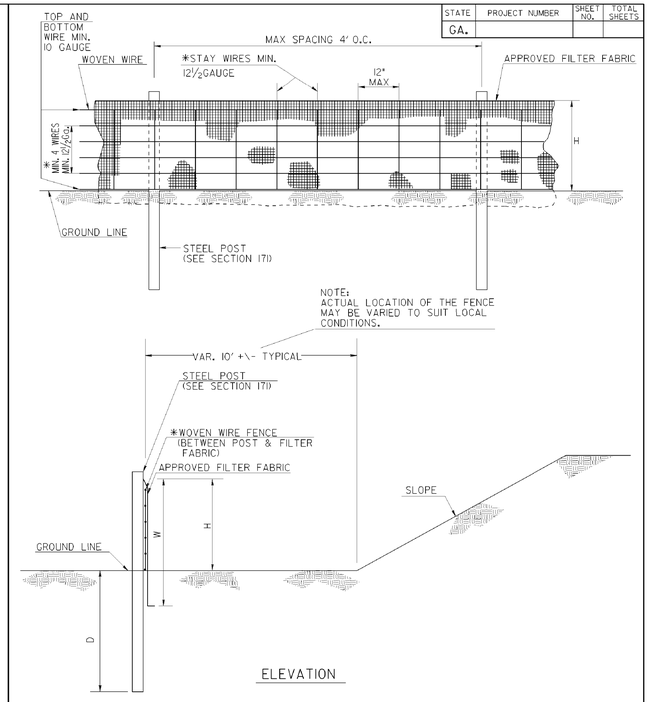
11/04/2016 GPLN



SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT



SINGLE ROW TYPE A SILT FENCE



SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST ½ INCHES LONG AND A CROWN AT LEAST ¾INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1INCH LONG , WITH BUTTON HEADS AT LEAST ¾ INCHES WIDE.
2. NAILS OR STAPLES SHALL BE EVENLY PLACED WITH AT LEAST 5 PER POST FOR TYPE A FENCE AND 4 PER POST FOR TYPE C FENCE.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12½ GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE OPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

NO SCALE — REV. AND REDRAWN JAN. 2011

NUMBER D-24A (SHEET 1 OF 4)

DATE / REVISION / BY

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11/04/2016 GPLN

PLANS PREPARED AND SUBMITTED BY:

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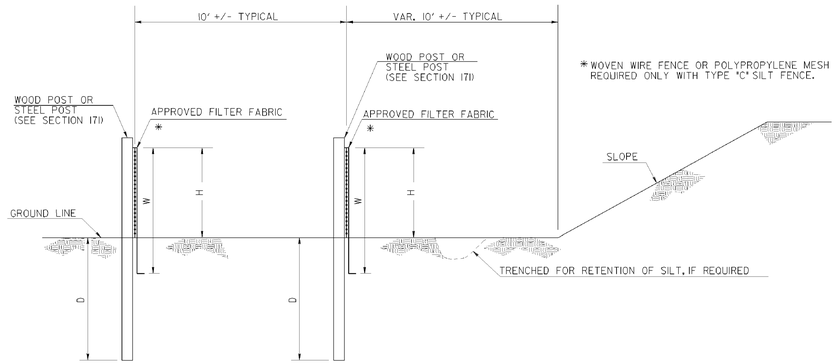
EARNEY ROAD

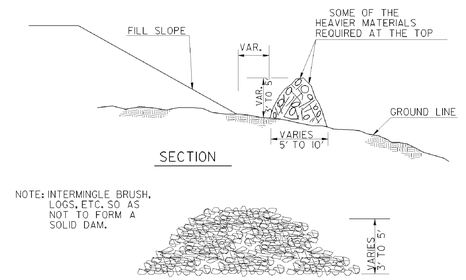
DRAWING NO. 56-03



ELEVATION

DOUBLE ROW SILT FENCE

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

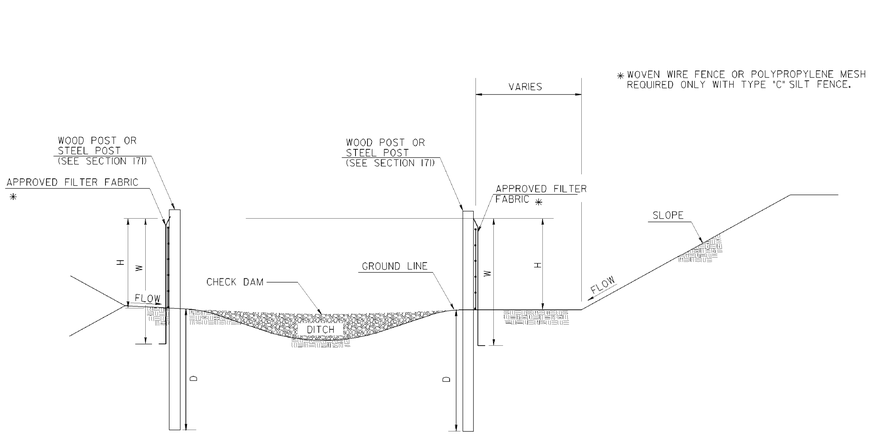


SECTION

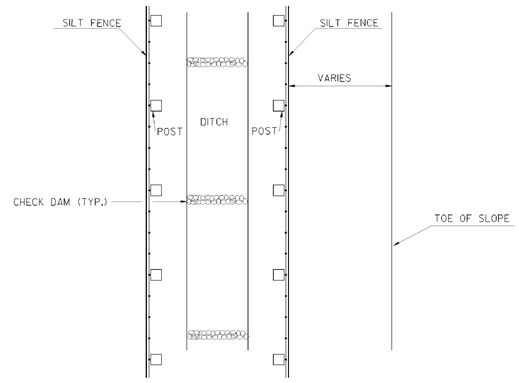
FRONT VIEW

NOTE: BRUSH BARRIER(S) WILL BE INCLUDED IN PAYMENT FOR CLEARING & GRUBBING.

BRUSH BARRIER DETAILS
(FOR USE IN RURAL AREAS)



ELEVATION



PLAN

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

SILT FENCE
PERIMETER INSTALLATION ALONG DITCH SECTION

NOTE: TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
BERM DITCH, INSTALLATION, BRUSH BARRIER

NO SCALE — REV. AND REDRAWN JAN. 2011

BY	REVISION	DATE

NUMBER D-24B (SHEET 2 OF 4)

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11/04/2016 GPLN

PLANS PREPARED AND SUBMITTED BY:

AEI

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● 1634 White Circle, Suite 101, Marietta, GA 30066, (770) 421-8422
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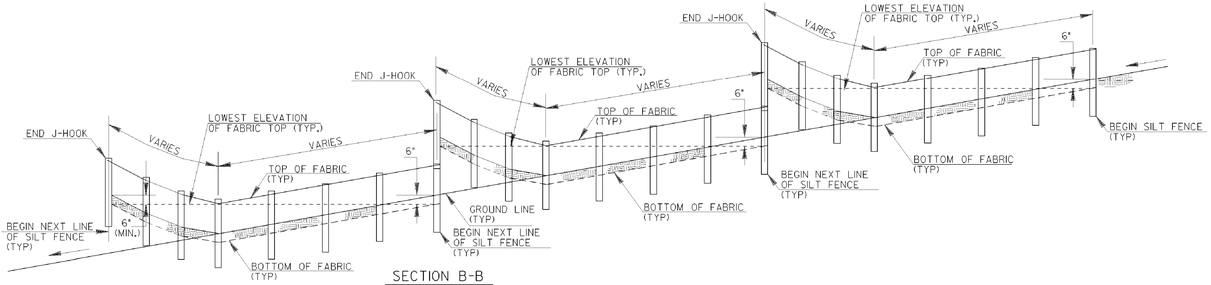
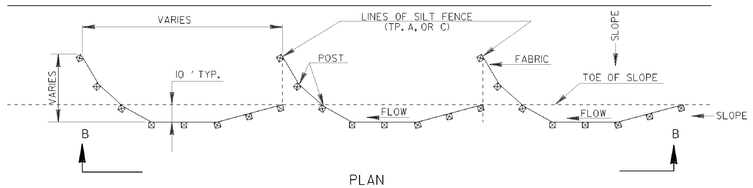
EROSION CONTROL CONSTRUCTION DETAILS

EARNEY ROAD

DRAWING No. 56-04

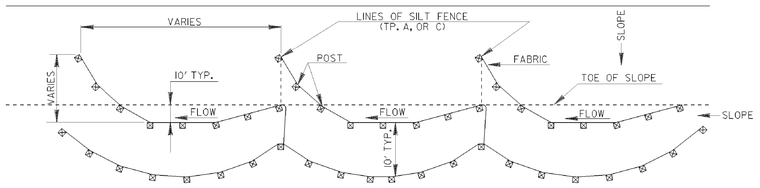


SECTION B-B



PLAN

SINGLE ROW SILT FENCE



PLAN

DOUBLE ROW SILT FENCE

TYPICAL J HOOK SPACING		
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A	100' ±
2% TO 3%	TYPE A	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

NOTE:

1. IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

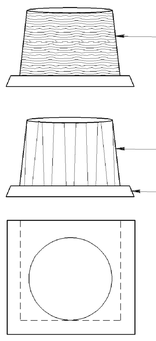
(PLASTIC ALTERNATE)

NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

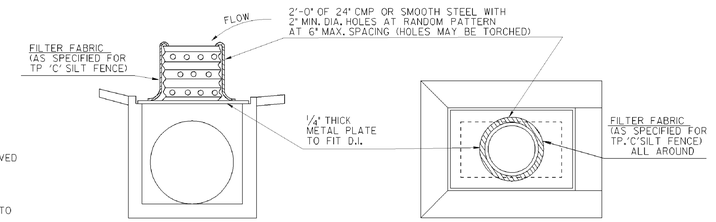
NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.



SIDE VIEW

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

(METAL ALTERNATE)



SIDE VIEW TOP VIEW

NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

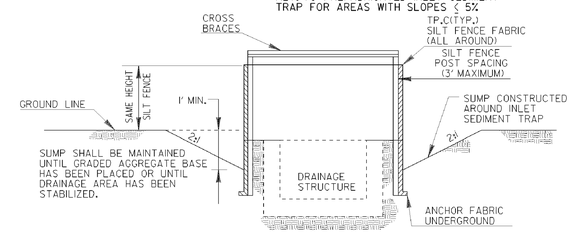
NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

INLET SEDIMENT TRAP - FOR DROP INLETS

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

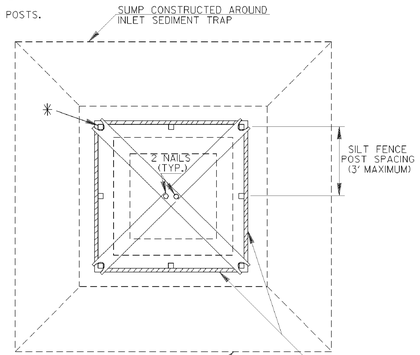
TYPICAL LOCATION AROUND DROP INLETS

ALT. TO PREFABRICATED INLET SEDIMENT TRAP FOR AREAS WITH SLOPES ≤ 5%



ELEVATION

✳ CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.



PLAN

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

NOTE:
SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE DETAILS" FOR SILT FENCE ERECTION DETAILS.

DATE	REVISION	BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
J-HOOK, INLET SEDIMENT TRAPS

NO SCALE — JANUARY 2011

NUMBER D-24C (SHEET 3 OF 4)

1/18/2011 2:06:33 PM \\GDOT-DSN\\GOPLOT\GCF\D0_K1p8000.gcf gowens V:\GARY\Rev. Construction Details\D-24C\D-24C.prf

11/04/2016 GPLN

PLANS PREPARED AND SUBMITTED BY:

Branch Offices
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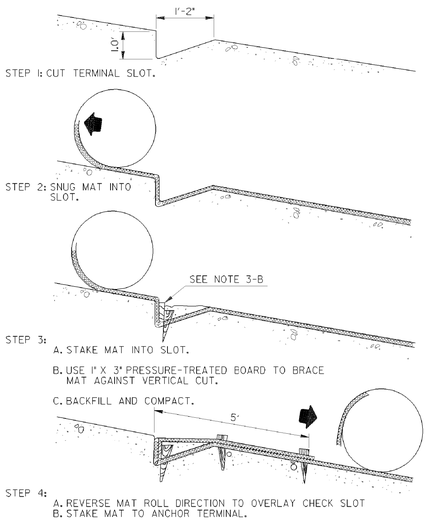
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:

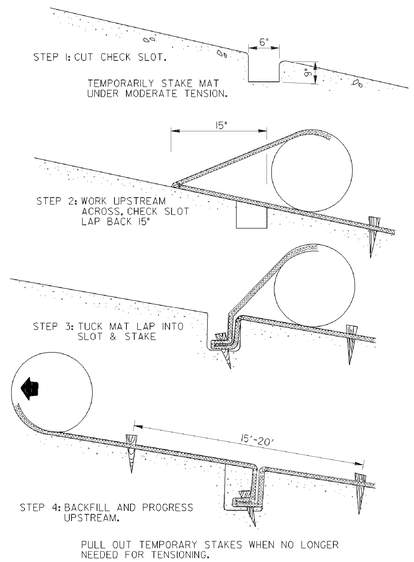
EROSION CONTROL CONSTRUCTION DETAILS

EARNEY ROAD

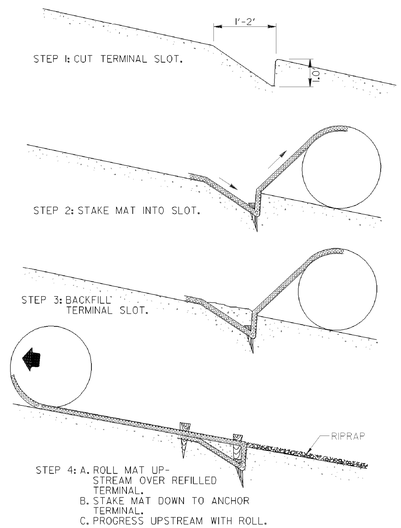
DRAWING No. 56-05



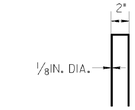
UPSTREAM TERMINAL



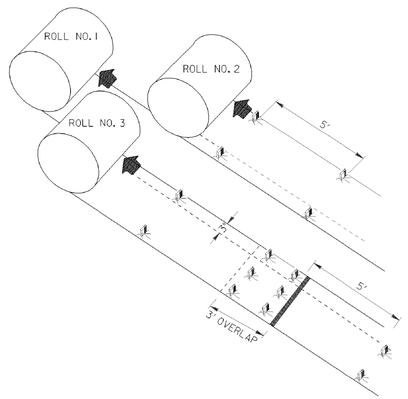
TRANSVERSE CHECK SLOT



DOWNSTREAM TERMINAL



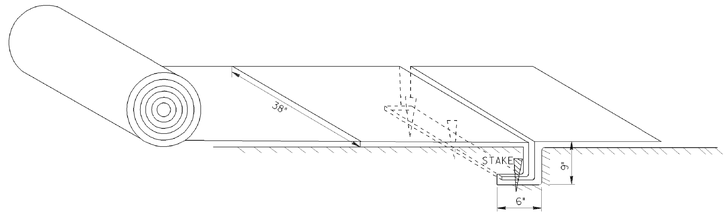
METAL MATTING - BLANKET STAPLE



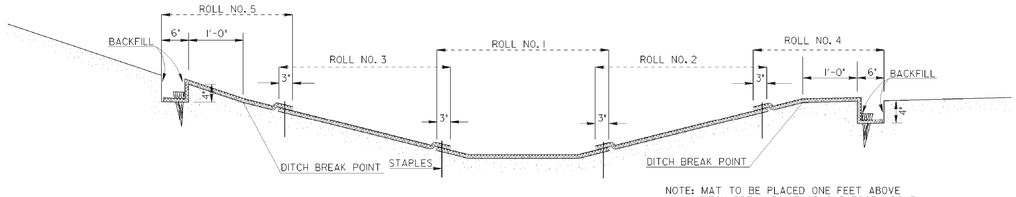
SEQUENTIAL ROLL RUN OUT IN CHANNELS

GENERAL NOTES

1. INSTALLATION TO BE DONE AS PER MANUFACTURER'S RECOMMENDATIONS.
2. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
3. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
4. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
5. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
6. USE 3" OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
7. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.
8. METAL STAPLES MAY BE USED IN LIEU OF WOODEN STAKES.



PICTORAL VIEW OF TRANSVERSE SLOT



DITCH SECTION

NOTE: MAT TO BE PLACED ONE FEET ABOVE DITCH BREAK POINT OR ONE FOOT ABOVE THE 25 YEAR STORM.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

BY	REVISION	DATE
T.P.C.	REVISED SHEET LAYOUT & ADDED DITCH SECTION. ADDED METAL STAPLE.	1-19-11

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
PERMANENT SOIL REINFORCING MAT
(TURF REINFORCING MATS)
INSTALLATION ON DITCHES

NO SCALE — AUGUST 1988

Designed
Drawn K.J.J.
Traced
Checked

NUMBER D-35

1/18/2011 9:32:29 AM \\GDOT-DSN1\GOPLOT\GCF\00_K1p8000.gcf gawens V:\GARY\Rev. Construction Details\D-35\D-35.prf

11/04/2016 GPLN

PLANS PREPARED AND SUBMITTED BY:

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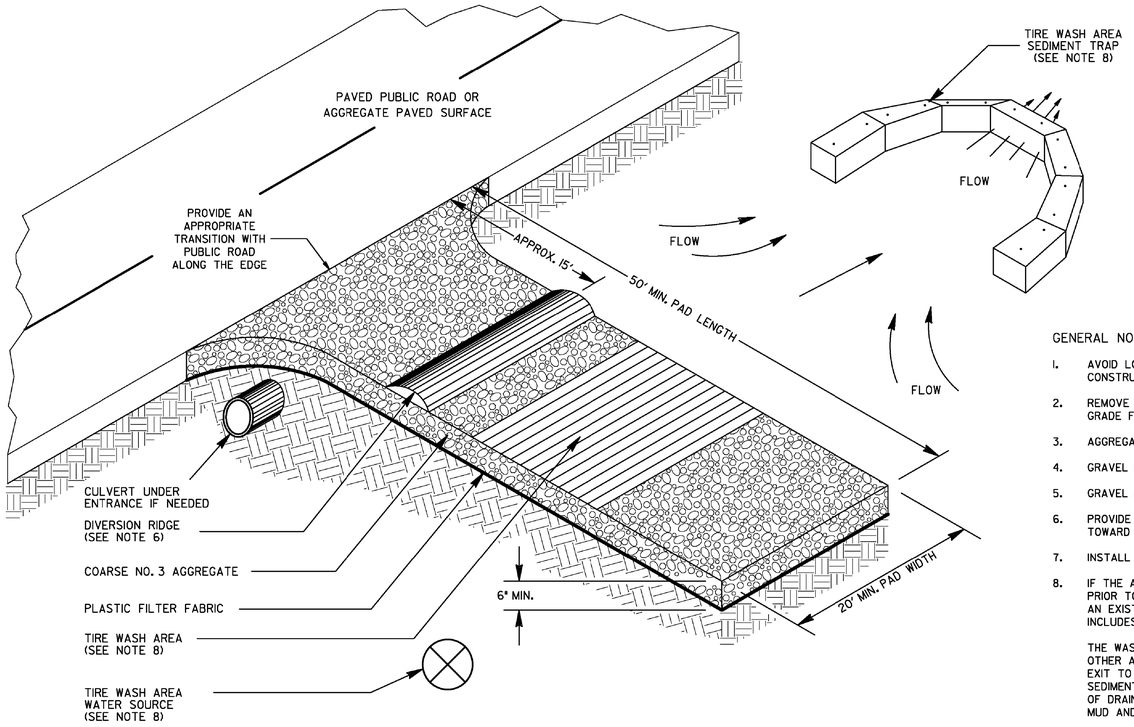
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

EROSION CONTROL CONSTRUCTION DETAILS

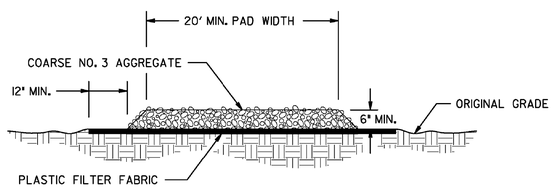
EARNEY ROAD

DRAWING NO. 56-06

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



ENTRANCE ELEVATION



GENERAL NOTES:

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1.06 INCH U.S. STANDARD SIEVE.
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE WASH ASSEMBLY TO AN EXISTING CONSTRUCTION EXIT WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE WASH ASSEMBLY INCLUDES: TIRE WASH AREA, WATER SOURCE, AND SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE.

   THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
9. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
10. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT WILL BE PAID ON THE BASIS OF HAVING OR NOT HAVING A CONSTRUCTION EXIT TIRE WASH ASSEMBLY WHEN DIRECTED BY THE ENGINEER. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

   SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

PAY ITEM:

163-0300	CONSTRUCTION EXIT	(EA)
163-0310	CONSTRUCTION EXIT TIRE WASH ASSEMBLY	(EA)
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH ASSEMBLY	(EA)

DATE	REVISION	BY
04-18-18	REV. TIRE WASH & NOTES	DLE
04-22-16	REV. GSWCC 2016 MANUAL	DLE
01-19-11	REV. CONSTR. EXIT LABELS	TPC

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

CONSTRUCTION EXIT

NO SCALE — FEBRUARY 2001

DESIGNED ____ DRAWN DLE TRACED ____ CHECKED ____

NUMBER D-41

PLANS PREPARED AND SUBMITTED BY:

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○ 65 Aberdeen Drive, Glasgow, KY 42141 (270) 651-7220
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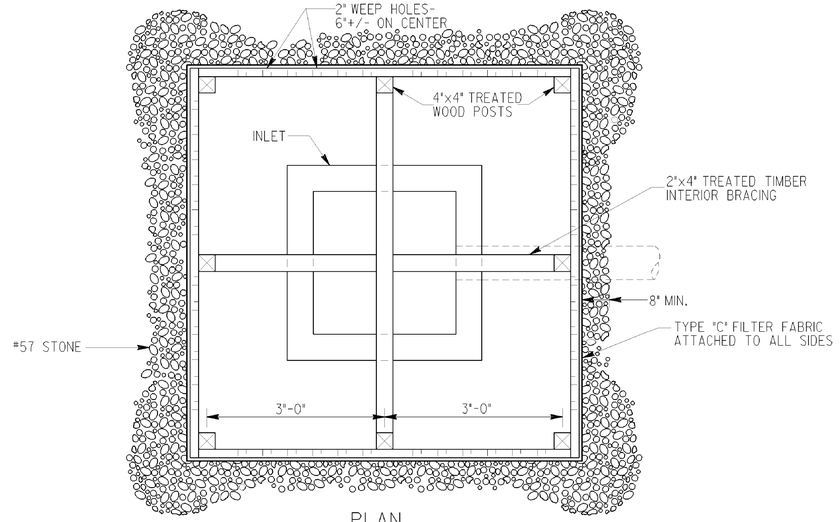
DEPARTMENT OF TRANSPORTATION
OFFICE:

EROSION CONTROL CONSTRUCTION DETAILS

EARNEY ROAD

DRAWING No. 56-07

11/04/2016 GPLN

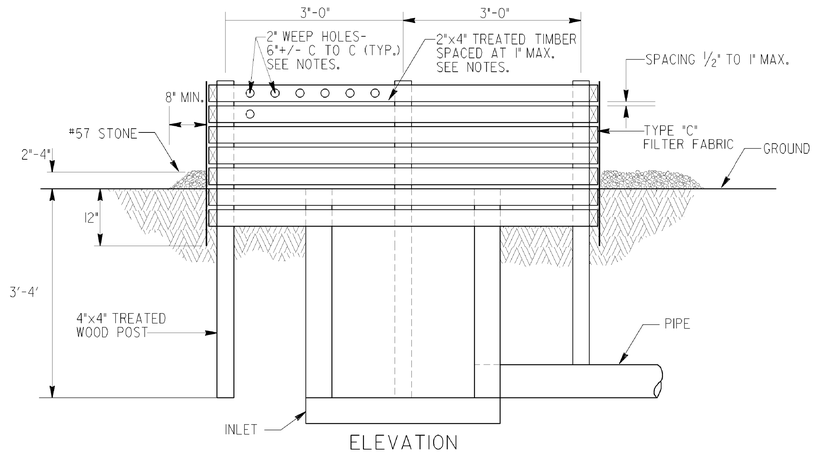


PLAN

NOTES:

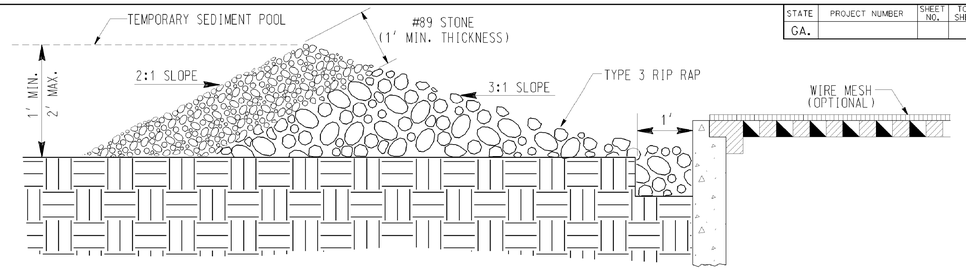
BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1" APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" CN CENTER VERTICALLY AND HORIZONTALLY.

GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX SHALL BE WRAPPED IN TYPE "C" FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED.

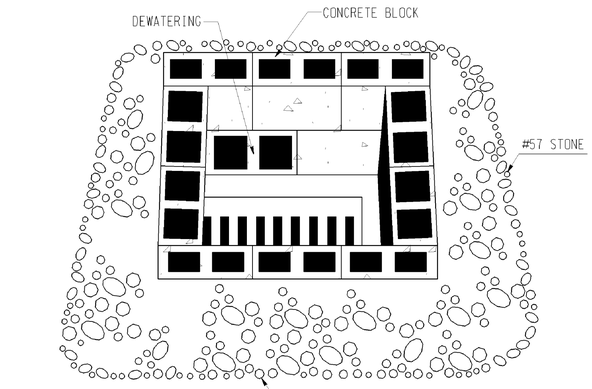


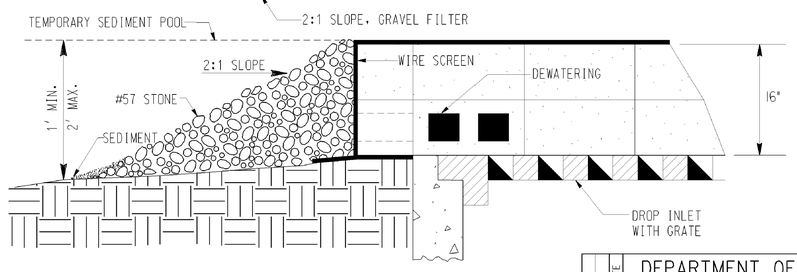
ELEVATION

BAFFLE BOX (Sd2-B)



GRAVEL DROP INLET PROTECTION (GRAVEL DONUT) Sd2-G





BLOCK & GRAVEL DROP INLET PROTECTION (Sd2-Bg)

BASIS OF PAYMENT:
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP _____ EACH

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL
INLET SEDIMENT TRAPS
BAFFLE BOX Sd2-B
BLOCK AND GRAVEL DROP INLET PROTECTION Sd2-Bg
GRAVEL DROP INLET PROTECTION Sd2-G

NO SCALE — MAY 2008

DATE | REVISION | BY

NUMBER D-42

5/7/2008 2:51:42 PM \\DOT-DSN1\GDPLOT\DEF\gp_fitf_output.def gowens T:\GARY\new d-42\d-42.prf

PLANS PREPARED AND SUBMITTED BY:

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65 Aberdeen Drive, Glasgow, KY 42141, (270) 651-7220
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CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:

EROSION CONTROL CONSTRUCTION DETAILS

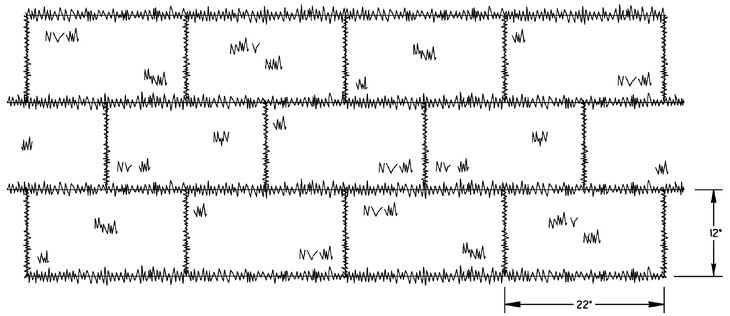
EARNEY ROAD

DRAWING NO. 56-08

11/04/2016 GPLN

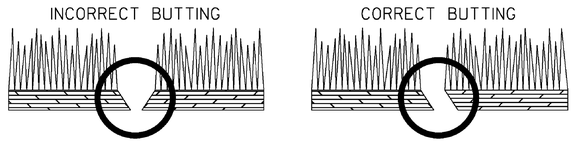
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

SOD LAYOUT

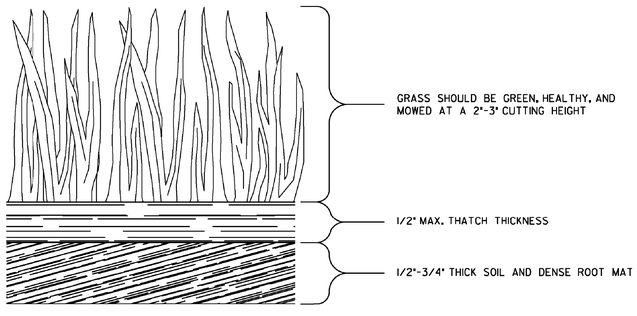


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 21" WIDE BY 52' LONG ROLLS.

ABUTTING SOD



SOD APPEARANCE



GENERAL NOTES:

1. SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"Wx22"L BLOCKS OR 21"Wx52'L ROLLS.
2. PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
3. PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
4. STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
5. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
6. WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
7. MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

PAY ITEM:
700-9300 SOD (SY)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

SOD INSTALLATION

NO SCALE 4-22-2016

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER D-54

DATE / REVISION / BY

PLANS PREPARED AND SUBMITTED BY:

Branch Offices
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CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:

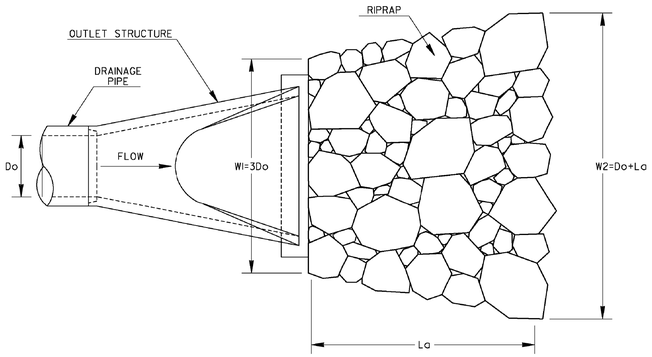
EROSION CONTROL
CONSTRUCTION DETAILS

EARNEY ROAD

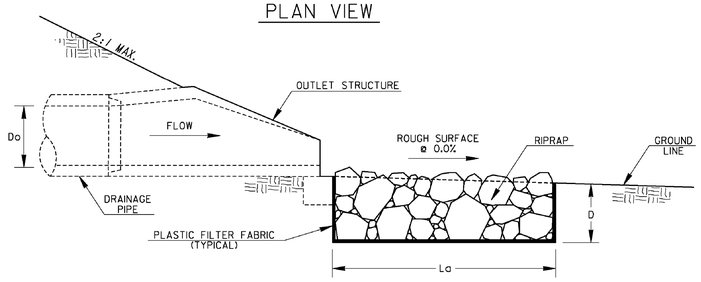
DRAWING No. 56-09

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

OUTLET TO FLAT AREA

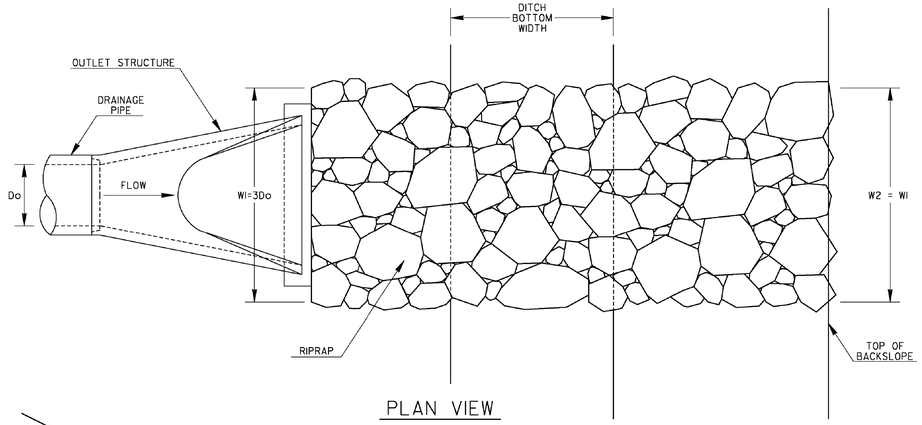


PLAN VIEW

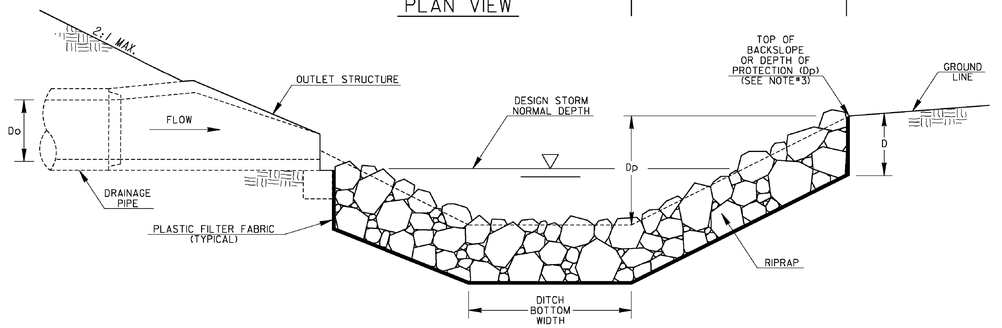


PROFILE VIEW

OUTLET PERPENDICULAR TO WELL-DEFINED CHANNEL



PLAN VIEW



PROFILE VIEW

GENERAL NOTES:

1. RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY.
   RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD 1120, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES.

2. RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
   THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (W1), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

   THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.

3. THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PERPENDICULAR INTO A WELL-DEFINED CHANNEL.
   THE LENGTH SHALL EXTEND ACROSS THE CHANNEL AND UP TO THE TOP OF THE CHANNEL BACKSLOPE OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE APRON DOES NOT EXTEND TO THE TOP OF THE BACKSLOPE.

4. IF THE OUTLET HYDRAULICS REQUIRE A d50<=0.70 FEET, TYPE-3 RIPRAP MAY BE USED.
   IF THE OUTLET HYDRAULICS REQUIRE A d50<=1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.
   IF THE OUTLET HYDRAULICS REQUIRE A d50>1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.

5. PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.

6. PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

Do = PIPE DIAMETER
Q = DESIGN STORM FLOW RATE
V = DESIGN STORM VELOCITY
Tw = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
La = APRON LENGTH
W1 = APRON WIDTH UPSTREAM
W2 = APRON WIDTH DOWNSTREAM
d50 = AVERAGE STONE DIAMETER
D = INSTALLATION DEPTH
Dp = DEPTH OF PROTECTION

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

RIPRAP OUTLET PROTECTION
(SHEET 1 OF 2)

NO SCALE 4-22-2016

DESIGNED DLE
DRAWN DLE
TRACED
CHECKED

NUMBER D-55A

11/04/2016 GPLN

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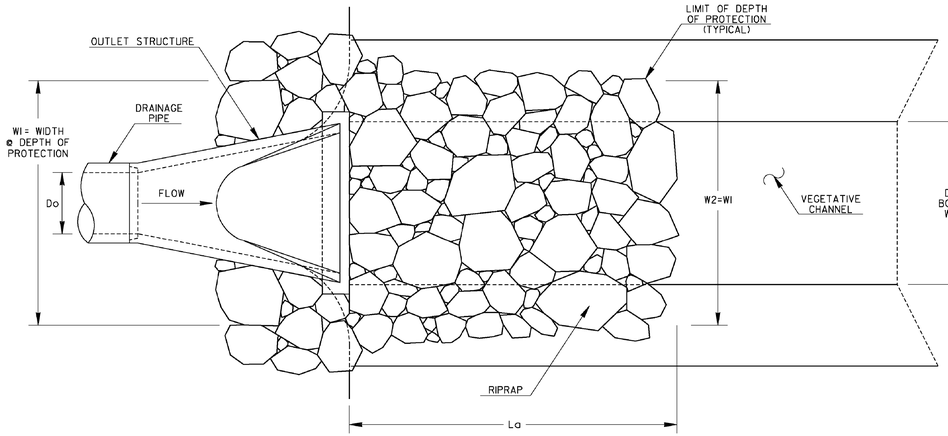
EROSION CONTROL CONSTRUCTION DETAILS

EARNEY ROAD

DRAWING No. 56-10

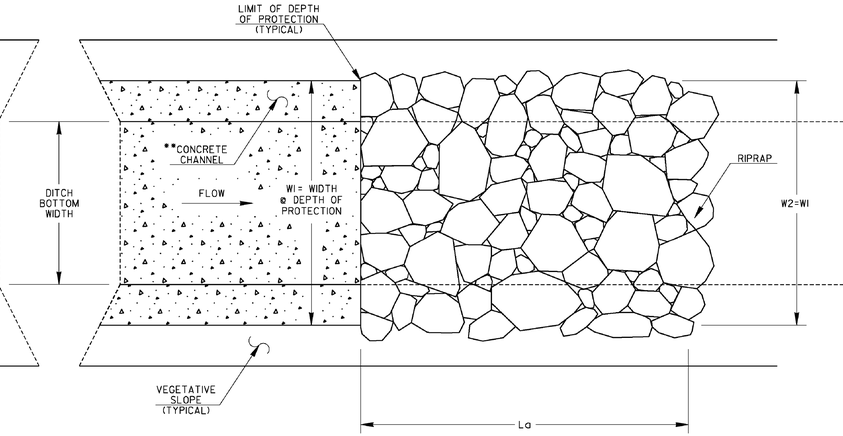
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

OUTLET PARALLEL TO WELL-DEFINED CHANNEL



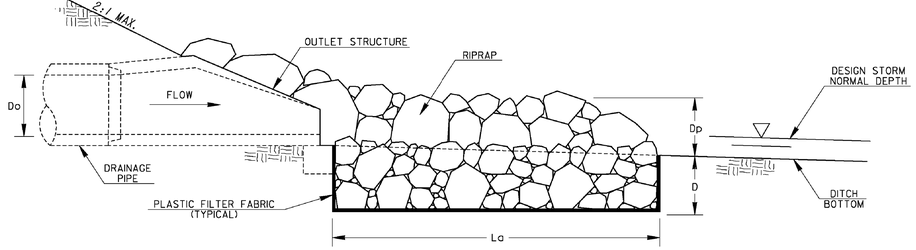
PLAN VIEW

CONCRETE CHANNEL TO RIPRAP TRANSITION

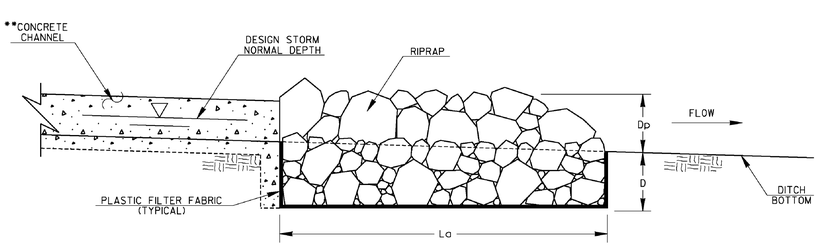


**REFER TO CONSTRUCTION DETAIL D-10 FOR CONCRETE DITCH PAVING INFORMATION

PLAN VIEW



PROFILE VIEW



PROFILE VIEW

GENERAL NOTES:

1. RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY.
   RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD 1120, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES.
   RIPRAP OUTLET PROTECTION IS SHOWN FOR A CONCRETE DITCH, BUT IS INSTALLED SIMILARLY TO TRANSITION FROM OTHER CHANNEL LININGS.

2. RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'.
   THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (W1), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

   THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.

3. THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PARALLEL INTO A WELL-DEFINED CHANNEL. THE APRON WIDTHS IN THIS CASE SHALL REPRESENT THE WIDTH AT THE DEPTH OF PROTECTION. THE RIPRAP SHALL BE INSTALLED TO THE TOP OF CHANNEL OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE RIPRAP SHOULD NOT BE INSTALLED TO THE TOP OF THE CHANNEL. RIPRAP SHOULD ALSO BE INSTALLED TO ARMOR CHANNEL CORNER AT THE OUTLET STRUCTURE.

4. IF THE OUTLET HYDRAULICS REQUIRE A d50<=0.70 FEET, TYPE-3 RIPRAP MAY BE USED.
   IF THE OUTLET HYDRAULICS REQUIRE A d50<=1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.
   IF THE OUTLET HYDRAULICS REQUIRE A d50>1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.

5. PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.

6. PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

Do	=	PIPE DIAMETER
Q	=	DESIGN STORM FLOW RATE
V	=	DESIGN STORM VELOCITY
Tw	=	TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
La	=	APRON LENGTH
W1	=	APRON WIDTH UPSTREAM AT DEPTH OF PROTECTION
W2	=	APRON WIDTH DOWNSTREAM AT DEPTH OF PROTECTION
d50	=	AVERAGE STONE DIAMETER
D	=	INSTALLATION DEPTH
Dp	=	DEPTH OF PROTECTION

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

RIPRAP OUTLET PROTECTION
(SHEET 2 OF 2)

NO SCALE 4-22-2016

DESIGNED DLE
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER D-55B

DATE / REVISION / BY

11/04/2016 GPLN

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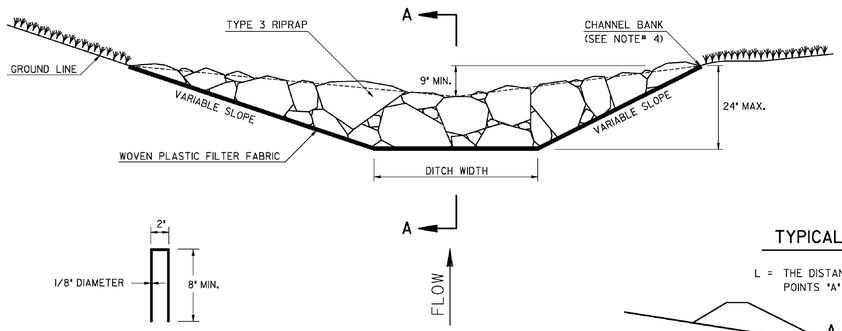
EARNEY ROAD

DRAWING No. 56-11

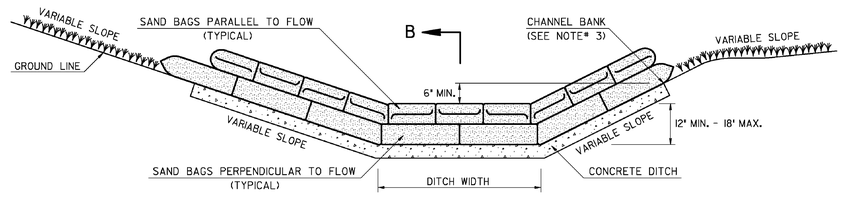
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

STONE CHECK DAM



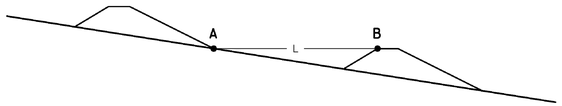
METAL FILTER FABRIC STAPLE

SAND BAG CHECK DAM



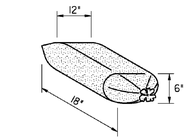
TYPICAL CHECK DAM SPACING

L = THE DISTANCE BETWEEN CHECK DAMS SUCH THAT POINTS "A" AND "B" ARE OF EQUAL ELEVATION

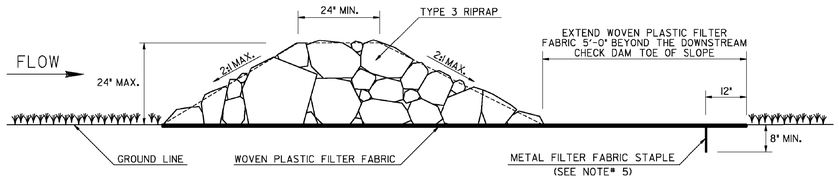


SAND BAG DIMENSIONS

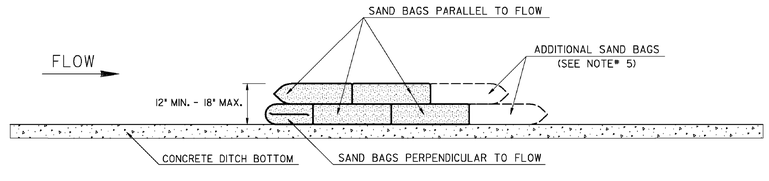
(SEE NOTE# 6)



SECTION A-A



SECTION B-B



STONE CHECK DAM GENERAL NOTES:

1. STONE CHECK DAMS SHALL NOT BE INSTALLED IN THE CLEAR ZONE OF UNPROTECTED ACTIVE TRAFFIC.
2. APPROPRIATE CONVENTIONAL OR APPROVED ALTERNATIVE BMPs SHALL BE PROVIDED DOWNSTREAM OF STONE CHECK DAMS AT THE DISCHARGE POINT FOR FLOWS GREATER THAN 2.0-CUBIC FEET PER SECOND.
3. STONE CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
4. THE CENTER OF THE STONE CHECK DAM SHALL BE AT LEAST 9-INCHES LOWER THAN THE OUTER EDGES OF THE STONE CHECK DAM. THE HEIGHT AT THE CENTER OF THE STONE CHECK DAM MAY BE INCREASED TO A MAXIMUM OF 24-INCHES IF A MINIMUM OF 9-INCHES OF FREEBOARD IS STILL PROVIDED AT THE CHANNEL BANK.
5. ANCHOR THE WOVEN PLASTIC FILTER FABRIC TO THE GROUND SURFACE WITH METAL FILTER FABRIC STAPLES 12-INCHES FROM THE EDGE AND NO GREATER THAN 12-INCHES APART.
6. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE STONE CHECK DAM. WOVEN PLASTIC FILTER FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.
7. PROVIDE PERMANENT CHANNEL PROTECTION AS SHOWN AND/OR NOTED IN THE PLANS AFTER STONE CHECK DAM IS REMOVED.

SAND BAG CHECK DAM GENERAL NOTES:

1. SAND BAG CHECK DAMS ARE ONLY USED FOR TEMPORARY VELOCITY CONTROL IN CONCRETE LINED DITCHES AND SHALL NOT BE INSTALLED IN THE CLEAR ZONE OF UNPROTECTED ACTIVE TRAFFIC.
2. APPROPRIATE CONVENTIONAL OR APPROVED ALTERNATIVE BMPs SHALL BE PROVIDED UPSTREAM AND/OR DOWNSTREAM OF CONCRETE DITCHES.
3. THE CENTER OF THE SAND BAG CHECK DAM SHALL BE AT LEAST 6-INCHES LOWER THAN THE OUTER EDGES OF THE SAND BAG CHECK DAM AT THE GROUND LINE. THE HEIGHT AT THE CENTER OF THE SAND BAG CHECK DAM SHALL BE A MINIMUM OF 12-INCHES AND A MAXIMUM OF 18-INCHES.
4. INSTALL SAND BAGS TIGHTLY ABUTTING EACH OTHER AND STACK IN A RUNNING BOND PATTERN. FOLD ANY FLAPS AWAY FROM WATER FLOW.
5. IF ADDITIONAL SAND BAGS ARE WARRANTED FOR STABILITY, INSTALL AS SHOWN AND DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST.
6. SAND BAG SIZES MAY VARY. ASSUME A FILLED SAND BAG HAS APPROXIMATE DIMENSIONS OF 12"Wx6"Hx18"L.
7. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SAND BAG CHECK DAM. SAND BAGS SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED AT NO ADDITIONAL COST TO THE DEPARTMENT.

NOTE:
SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF STONE CHECK DAMS AND SAND BAG CHECK DAMS. SEE STANDARD SPECIFICATION165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF STONE CHECK DAMS AND SAND BAG CHECK DAMS.

PAY ITEMS:
163-0527 CONSTRUCT AND REMOVE RIPRAP CHECK DAMS, STONE PLAIN RIPRAP/SAND BAGS (EA)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
STONE RIPRAP & SAND BAG
TEMPORARY CHECK DAMS

NO SCALE 11-28-2018

DESIGNED DLE
DRAWN DLE
TRACED
CHECKED

NUMBER D-56

DATE / REVISION / BY

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EARNEY ROAD

DRAWING No. 56-12

11/04/2016 GPLN