



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

May 21, 2013

CALL NO. 305
CONTRACT ID NO. 131316
ADDENDUM # 2

Subject: Meade County, FD04 SPP 082 0313 EXTENSION
Letting May 24, 2013

- (1) Revised - Plan Sheets - R1, R2J, R2K, R47, R48, R103, R129 & R182
- (2) Revised - Bid Items - Pages 76-78 of 78

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Acting Director
Division of Construction Procurement

RG:ks
Enclosures

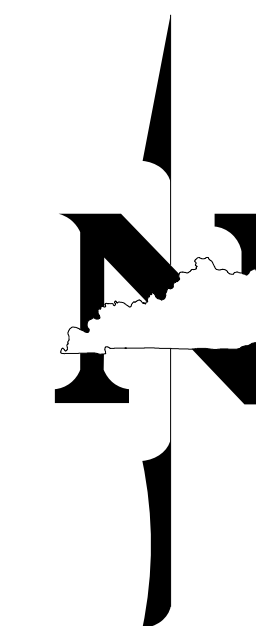


An Equal Opportunity Employer M/F/D

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT MEADE COUNTY KY 313 - SECTION 4

FDO4 SPP 082 0313 EXTENSION



SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2-R2m	TYPICAL SECTIONS-SUMMARY OF QUANTITIES
R3-R48	PLAN AND PROFILE SHEETS
R49-R50	UTILITY REFERENCE SHEETS
R51-R55	RIGHT OF WAY SUMMARY SHEETS
R56-R82c	RIGHT OF WAY STRIP MAP SHEETS
R83-R105	DETAIL SHEETS
R106-R129	TRAFFIC CONTROL SHEETS
R130-R138	EROSION CONTROL SHEETS
R139-R167	MITIGATION PLAN SHEETS
R168-R184	COORDINATE CONTROL SHEETS
S1-S11	SOIL PROFILE SHEETS
	PIPE DRAINAGE SHEETS
	STRUCTURE PLANS
	TRAFFIC PLANS
	UTILITY RELOCATION PLANS
X1-X262	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS
R2a - R2m, R31a, R32a, R34a, R82a - R82c, R121a

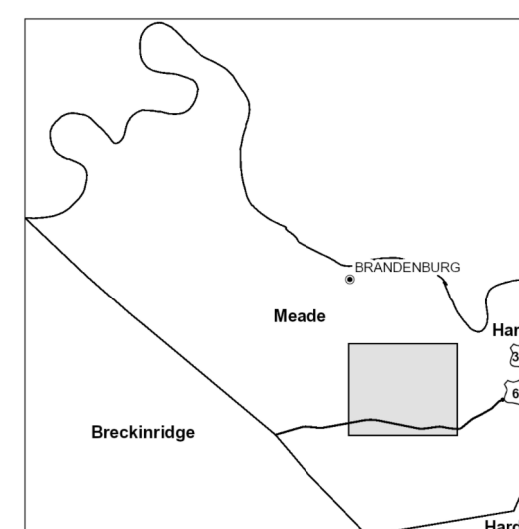
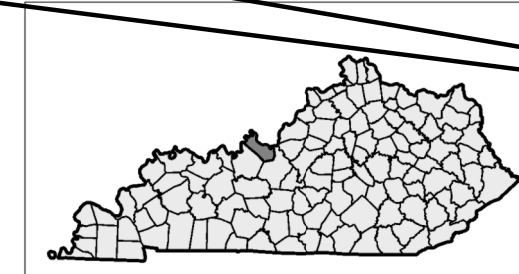
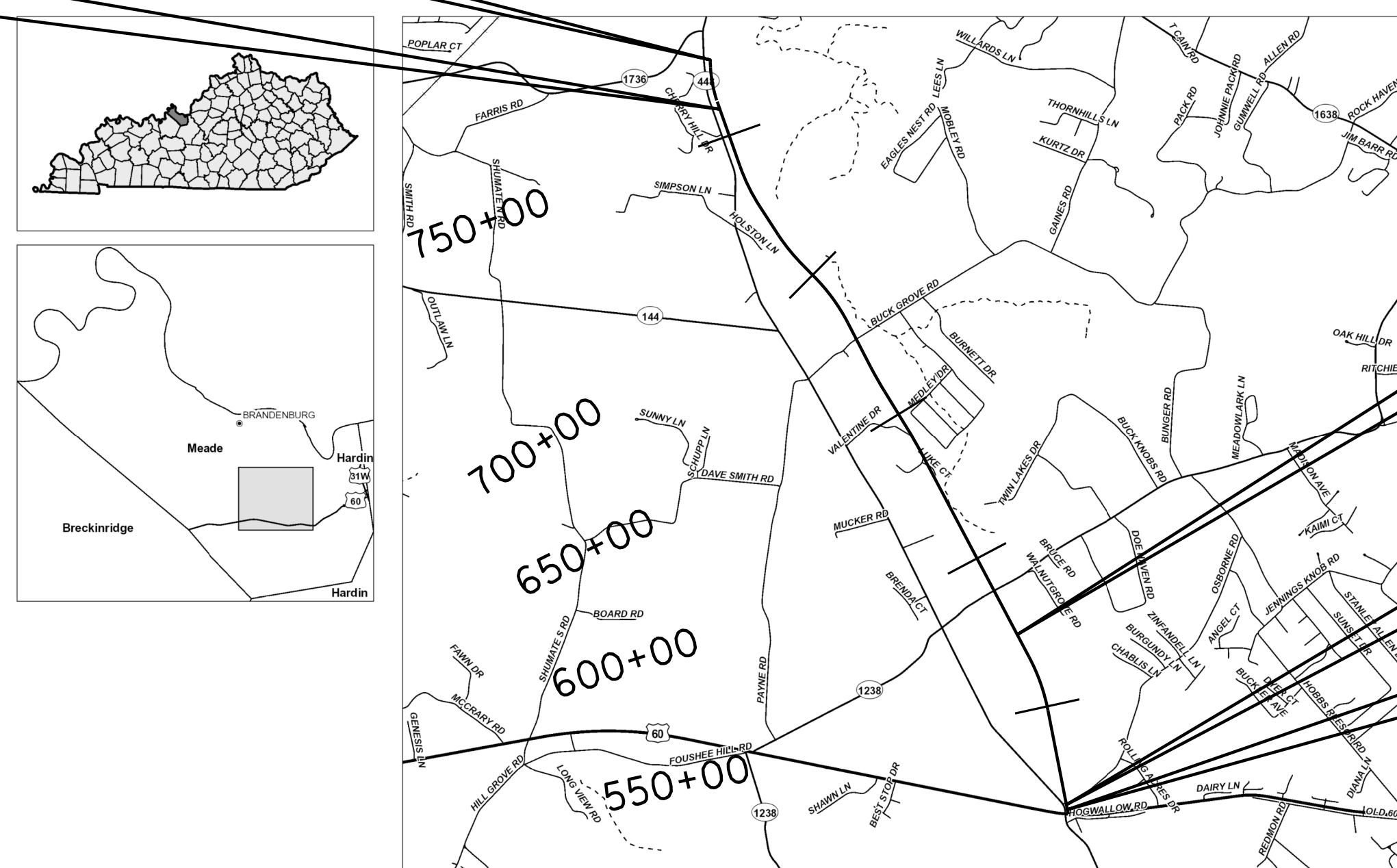
STANDARD DRAWINGS

NUMBER	DESCRIPTION
RBI-001-10	RDP-006-03
RBI-002-06	RDP-010-08
RBR-010-05	RDX-210-02
RBR-015-04	RDX-220-04
RBR-016-04	RDX-225
RBR-035-10	RDX-230
RBR-050-06	RFW-001-05
RDB-105-05	RFW-005-07
RDB-106-04	RGS-001-06
RDD-040-04	RGX-001-05
RDH-020-03	RGX-010-03
RDH-110-02	RGX-200
RDH-210-03	RPM-110-06
RDH-220-02	TPM-115-02
RDH-310-04	TPM-150-02
RDH-520-05	TPM-155-01
RDH-522-02	TTC-100-03
RDH-524-03	TTC-155-01
RDI-001-09	TTD-110-01
RDI-002-04	TTD-120-01
RDI-011-02	TTD-125-01
RDI-016-02	TTS-105-01
RDI-020-08	
RDI-021	
RDI-025-04	
RDI-026	
RDI-035-01	
RDI-041	
RDP-001-05	

TOTAL NUMBER OF STANDARD DRAWINGS: 51

END RIGHT OF WAY
STA. 773+88.33

END PROJECT
STA. 758+50



THESE PLANS ARE FOR GRADE, DRAIN AND SURFACING

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE PROVIDED ONLY WHERE SPECIFICALLY INDICATED ON PLANS. MINIMUM SPACING IS 1200 FEET.

LAYOUT MAP

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
MEADE
KY 313 - SECTION 4

ITEM NO. 4-297.61
PROJECT NUMBER: FDO4 SPP 082 0313 EXTENSION
LETTING DATE: _____
RECOMMENDED BY: JOHN W. MOORE, P.E. 1-28-13
PROJECT MANAGER DATE:
PLAN APPROVED BY: *[Signature]* 5-15-2013
STATE HIGHWAY ENGINEER DATE:

AEI AMERICAN ENGINEERS, INC.
PROFESSIONAL ENGINEERING



FILE NAME: Y:\KYTC\2007\207-164 MEADE-4-297\ARROW PLANS\01-LAYOUT\LAYOUT.DGN
USER: bmoatt\mgly
DATE PLOTTED: May 14, 2013
E-SHEET NAME:
MicroStation v8.11.7.443

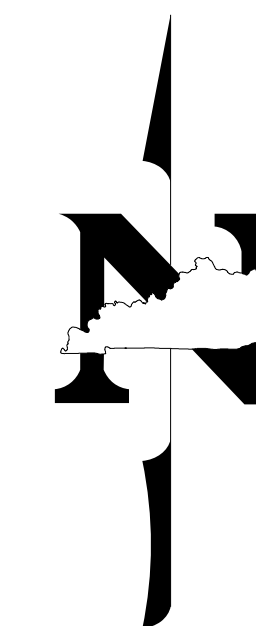
DESIGN CRITERIA	
CLASS OF HIGHWAY	RURAL ARTERIAL
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	55 MPH
REQUIRED NPSD	495 FT.
REQUIRED PSD	1985 FT.
LEVEL OF SERVICE	LOS B
ADT PRESENT (2007)	6900
ADT FUTURE (2029)	15000
DHV (2029)	1900
D %	
T % (2029) ADT 10% : (2029) DHV 7%	

GEOGRAPHIC COORDINATES	
LATITUDE	37 DEGREES 54 MINUTES 55 SECONDS NORTH
LONGITUDE	86 DEGREES 07 MINUTES 04 SECONDS WEST

DESIGNED	
% RESTRICTED SD	81%
LEVEL OF SERVICE	E
MAX. DISTANCE W/O PASSING	8500 FT.

R.O.W. PROJECT		CONST. PROJECT	
LENGTH	25439.58 LIN. FT. 4.818 MILES	LENGTH	24053.24 LIN. FT. 4.555 MILES
ADDED FOR EQUALITIES	_____ LIN. FT.	ADDED FOR EQUALITIES	_____ LIN. FT.
DEDUCTED NOT INCLUDED	_____ LIN. FT.	DEDUCTED NOT INCLUDED	_____ LIN. FT.
RAILROAD CROSSINGS NO.	_____ LIN. FT.	RAILROAD CROSSINGS NO.	_____ LIN. FT.
BRIDGES	_____ LIN. FT.	BRIDGES	_____ LIN. FT.

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS



PLANS OF PROPOSED PROJECT MEADE COUNTY KY 313 - SECTION 4

FDO4 SPP 082 0313 EXTENSION

SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2-R2m	TYPICAL SECTIONS-SUMMARY OF QUANTITIES
R3-R48	PLAN AND PROFILE SHEETS
R49-R50	UTILITY REFERENCE SHEETS
R51-R55	RIGHT OF WAY SUMMARY SHEETS
R56-R82c	RIGHT OF WAY STRIP MAP SHEETS
R83-R105	DETAIL SHEETS
R106-R129	TRAFFIC CONTROL SHEETS
R130-R138	EROSION CONTROL SHEETS
R139-R167	MITIGATION PLAN SHEETS
R168-R184	COORDINATE CONTROL SHEETS
S1-S11	SOIL PROFILE SHEETS
	PIPE DRAINAGE SHEETS
	STRUCTURE PLANS
	TRAFFIC PLANS
	UTILITY RELOCATION PLANS
X1-X262	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS
R2a - R2m, R31a, R32a, R34a, R82a - R82c, R121a

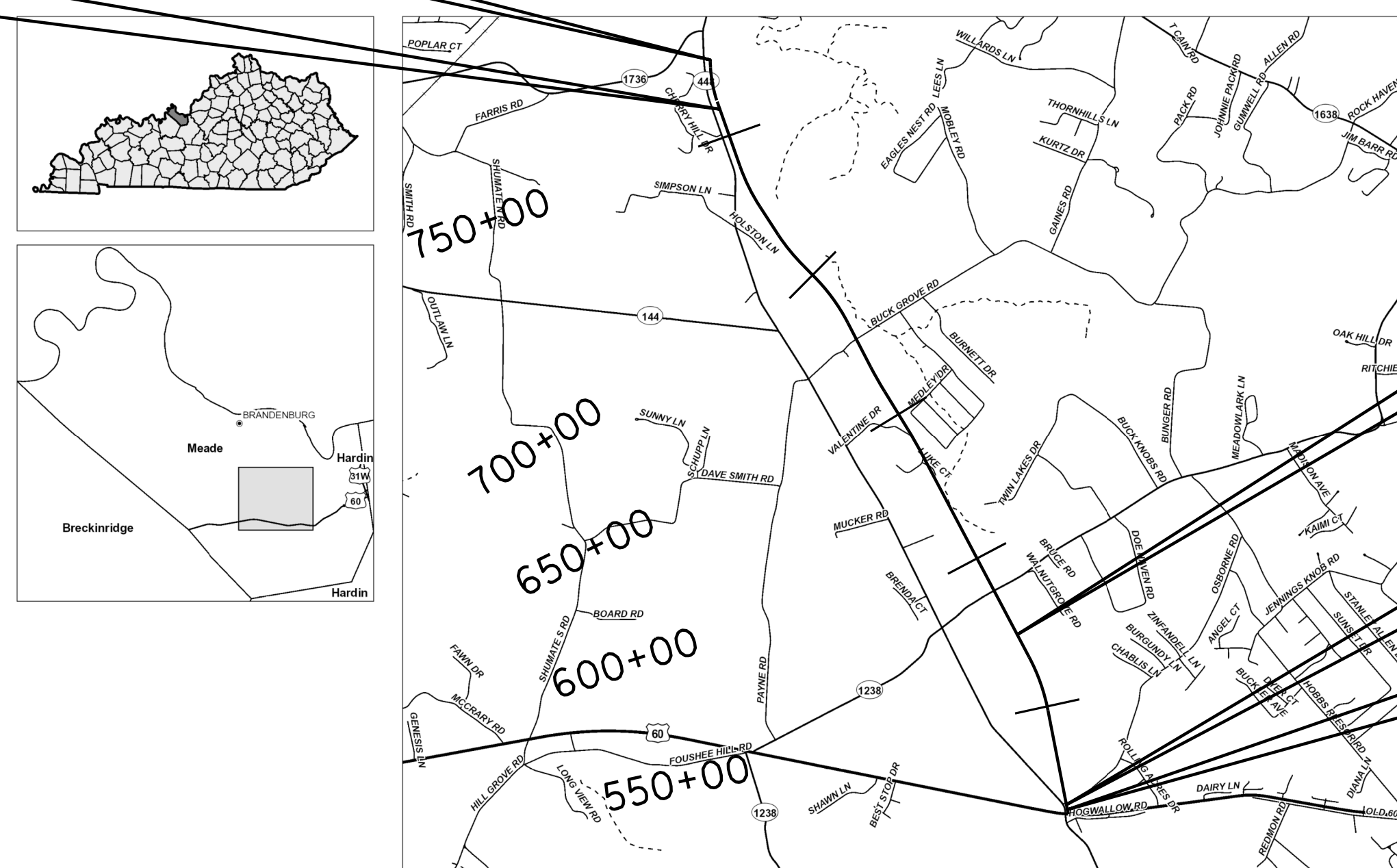
STANDARD DRAWINGS

NUMBER	
RBI-001-10	RDP-006-03
RBI-002-06	RDP-010-08
RBR-010-05	RDX-210-02
RBR-015-04	RDX-220-04
RBR-016-04	RDX-225
RBR-035-10	RDX-230
RBR-050-06	RFW-001-05
RDB-105-05	RFW-005-07
RDB-106-04	RGS-001-06
RDC-040-04	RGX-001-05
RDH-020-03	RGX-010-03
RDH-110-02	RGX-200
RDH-210-03	RPM-110-06
RDH-220-02	TPM-115-02
RDH-310-04	TPM-150-02
RDH-520-05	TPM-155-01
RDH-522-02	TTC-100-03
RDH-524-03	TTC-155-01
RDI-001-09	TTD-110-01
RDI-002-02	TTD-120-01
RDI-011-02	TTD-125-01
RDI-016-02	TTS-105-01
RDI-020-08	
RDI-021	
RDI-025-04	
RDI-026	
RDI-035-01	
RDI-041	
RDP-001-05	

TOTAL NUMBER OF STANDARD DRAWINGS: 51

END RIGHT OF WAY
STA. 773+88.33

END PROJECT
STA. 758+50



STA. 573+80
CONST. 10'x6' RCBC
@ 45° SK. RT.

BEGIN RIGHT OF WAY
STA. 519+48.75

BEGIN PROJECT
STA. 517+96.76

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE PROVIDED ONLY WHERE SPECIFICALLY INDICATED ON PLANS. MINIMUM SPACING IS 1200 FEET.

THESE PLANS ARE FOR GRADE, DRAIN AND SURFACING



LAYOUT MAP

DESIGN CRITERIA

CLASS OF HIGHWAY	RURAL ARTERIAL
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	55 MPH
REQUIRED NPSD	495 FT.
REQUIRED PSD	1985 FT.
LEVEL OF SERVICE	LOS B
ADT PRESENT (2007)	6900
ADT FUTURE (2029)	15000
DHV (2029)	1900
D %	
T % (2029) ADT 10% : (2029) DHV 7%	

GEOGRAPHIC COORDINATES

LATITUDE 37 DEGREES 54 MINUTES 55 SECONDS NORTH
LONGITUDE 86 DEGREES 07 MINUTES 04 SECONDS WEST

DESIGNED

% RESTRICTED SD 81%
LEVEL OF SERVICE E
MAX. DISTANCE W/O PASSING 8500 FT.

R.O.W. PROJECT		CONST. PROJECT					
LENGTH	<u>25439.58</u> LIN. FT. <u>4.818</u> MILES	LENGTH	<u>24053.24</u> LIN. FT. <u>4.555</u> MILES	LENGTH	_____ LIN. FT. _____ MILES	LENGTH	_____ LIN. FT. _____ MILES
ADDED	_____ FOR EQUALITIES _____ LIN. FT.	ADDED	_____ FOR EQUALITIES _____ LIN. FT.	ADDED	_____ FOR EQUALITIES _____ LIN. FT.	ADDED	_____ FOR EQUALITIES _____ LIN. FT.
DEDUCTED	_____ NOT INCLUDED	DEDUCTED	_____ NOT INCLUDED	DEDUCTED	_____ NOT INCLUDED	DEDUCTED	_____ NOT INCLUDED
RAILROAD CROSSINGS NO.	_____ LIN. FT.	RAILROAD CROSSINGS NO.	_____ LIN. FT.	RAILROAD CROSSINGS NO.	_____ LIN. FT.	RAILROAD CROSSINGS NO.	_____ LIN. FT.
BRIDGES	_____ LIN. FT.	BRIDGES	_____ LIN. FT.	BRIDGES	_____ LIN. FT.	BRIDGES	_____ LIN. FT.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
MEADE
KY 313 - SECTION 4

ITEM NO. 4-297.61
PROJECT NUMBER: FDO4 SPP 082 0313 EXTENSION
LETTING DATE: _____

RECOMMENDED BY: JOHN W. MOORE, P.E. 1-28-13
PROJECT MANAGER DATE:
PLAN APPROVED BY: [Signature] 5-15-2013
STATE HIGHWAY ENGINEER DATE:

AEI AMERICAN ENGINEERS, INC.
PROFESSIONAL ENGINEERING



FILE NAME: Y:\KYTC\2007\2017-164 MEADE-4-297\ARROW PLANS\01-LAYOUT\LAYOUT.DGN
USER: bmoatt\mgly
DATE PLOTTED: May 14, 2013
E-SHEET NAME:
MicroStation v8.11.7.443

PIPE DRAINAGE SUMMARY

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SHEET NO.	STATIONS	SKEW	DESIGN PH LEVEL	MAX. COVER HEIGHT	ENTRANCE PIPE 15"	ENTRANCE PIPE 18"	ENTRANCE PIPE 24"	ENTRANCE PIPE 30"	CULVERT PIPE				PIPE CULVERT HEADWALL-18 IN	PIPE CULVERT HEADWALL-24 IN	PIPE CULVERT HEADWALL-30 IN	PIPE CULVERT HEADWALL-36 IN	S&F BOX IN/OUT				CLASS IV CHANNEL LINING	EROSION CONTROL BLANKET	DITCH EXCAVATION	CONCRETE CLASS A	STEEL REINFORCEMENT	PIPELINE VIDEO INSPECTION	REMARKS		
									18"	24"	30"	36"					18"	24"	30"	36"								C.Y.	SQ. YD.
ITEM CODE					440	441	443	445	462	464	466	468	1204	1208	1210	1212	1450	1451	1452	1453	2488	5590		8100	8150	23131ER701			
UNIT TO BID ON				FT.	L.F.				L.F.				EACH				C.Y.	SQ. YD.	C.Y.	C.Y.	LBS.	L.F.							
CROSS DRAINS																													
KY 313																													
R5	525+00	0°	M	3.6					92								2												
R7	541+50	0°	M	12.0						140					2					16	27	67						30" PIPE CULVERT HDWL @ 0° SKEW	
R13	582+50	0°	M	5.0						94					1				1	13								30" PIPE CULVERT HDWL @ 0° SKEW	
R13	586+50	0°	M	5.4						109					1				1	13								30" PIPE CULVERT HDWL @ 0° SKEW	
R13	591+20	10° LT.	M	5.0							110								1	15								36" PIPE CULVERT HDWL @ 0° SKEW	
R17	619+50	0°	M	7.7						142					1				1	14		8						30" PIPE CULVERT HDWL @ 0° SKEW	
R19	637+00	0°	M	11.8					140				1				1											18" S&F HDWL @ 0° SKEW	
R21	654+00	0°	M	18.2						180				2						7								24" S&F HDWL @ 0° SKEW	
R23	668+80	45° LT.	M	2.6						116								2		17	53	70							
R25	675+15	10° LT.	M	10.8						159										12								24" S&F HDWL @ 0° SKEW	
R27	689+15	0°	M	6.9					104				2							10								18" S&F HDWL @ 0° SKEW	
R29	700+00	30° LT.	M	16.9						205				2						12								24" S&F HDWL @ 0° SKEW	
R31	716+85	0°	M	10.6						139										12	50	45						24" S&F HDWL @ 0° SKEW	
R31	723+00	0°	M	2.1					66											13									
R31	729+00	35° LT.	M	1.4					91											13	58	106						1 HDWL @ 0° SKEW AND 1 @ 30° SKEW	
R35	746+00	0°	M	15.5						122										14								24" S&F HDWL @ 0° SKEW	
KY 144																													
R39	45+80	0°	M	1.8					55											15									
R39	49+30	0°	M	1.1					66											17									
OSBORNE RD.																													
R41	51+00	0°	M	1.4						50										15									
R41	60+25	0°	M	2.7					56											13									
KY 1238																													
R43	46+24	45° RT.	M	1.1																23									
BUCK GROVE RD.																													
R47	53+62 ENT.	5° LT.	M	2.7							42									23								36" PIPE CULVERT HDWL @ 0° SKEW	
R47	56+47	25° RT.	M	2.4						216										26	31	7	12.98	950				TRIPLE 30" PIPE CULVERT HDWL @ 0° SKEW SEE STND. DWG. RDH-520-05, RDH-522-02, RDH-524-03	
ACCESS RD.																													
R31	12+00	0°	M	7.4					84											10								18" S&F HDWL @ 0° SKEW	
KY 448																													
R33	47+75	0°	M	4.8					77											10								18" S&F HDWL @ 0° SKEW	
BOX CULVERT																													
KY 313																													
R11	573+80	45° RT.	M	19.7																47	50	15						10'X6' RCBC - SEE STRUCTURE PLANS	
ENTRANCE PIPES																													
KY 313																													
R7	542+50 LT.		M					45																					
R7	542+50 RT.		M								60																		
R9	564+50 LT.		M																										
R9	564+50 RT.		M			36																							
R11	576+50 RT.		M																										
R15	602+80 LT.		M																										
R17	616+00 LT.		M																										
R17	616+00 RT.		M																										
R21	648+00 RT.		M																										
	SHEET ① TOTAL				193	128	89	60	831	971	701	255	7	10	5	3	13	4	3	3	380	269	318	12.98	950	2891			

① QUANTITIES ARE ADDED TO GENERAL SUMMARY

KY 313
PIPE DRAINAGE SUMMARY

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$
 E-SHEET NAME: _____

PIPE DRAINAGE SUMMARY

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SHEET NO.	STATIONS	SKEW	DESIGN PH LEVEL	MAX. COVER HEIGHT	ENTRANCE PIPE 15"	ENTRANCE PIPE 18"	ENTRANCE PIPE 24"	ENTRANCE PIPE 30"	CULVERT PIPE				PIPE CULVERT HEADWALL-18 IN	PIPE CULVERT HEADWALL-24 IN	PIPE CULVERT HEADWALL-30 IN	PIPE CULVERT HEADWALL-36 IN	S&F BOX IN/OUT				CLASS IV CHANNEL LINING	EROSION CONTROL BLANKET	DITCH EXCAVATION	CONCRETE CLASS A	STEEL REINFORCEMENT	PIPELINE VIDEO INSPECTION	REMARKS			
									18"	24"	30"	36"					18"	24"	30"	36"								C.Y.	SQ. YD.	C.Y.
ITEM CODE					440	441	443	445	462	464	466	468	1204	1208	1210	1212	1450	1451	1452	1453	2488	5590		8100	8150	23131ER701				
UNIT TO BID ON				FT.	L.F.								EACH				C.Y.	SQ. YD.	C.Y.	C.Y.	LBS.	L.F.								
CROSS DRAINS																														
KY 313																														
R5	525+00	0°	M	3.6					92																					
R7	541+50	0°	M	12.0						140				2						16	27	67						30" PIPE CULVERT HDWL @ 0° SKEW		
R13	582+50	0°	M	5.0						94				1				1		13								30" PIPE CULVERT HDWL @ 0° SKEW		
R13	586+50	0°	M	5.4						109				1				1		13								30" PIPE CULVERT HDWL @ 0° SKEW		
R13	591+20	10° LT.	M	5.0							110							1		15								36" PIPE CULVERT HDWL @ 0° SKEW		
R17	619+50	0°	M	7.7						142				1				1		14				8				30" PIPE CULVERT HDWL @ 0° SKEW		
R19	637+00	0°	M	11.8					140				1						1									18" S&F HDWL @ 0° SKEW		
R21	654+00	0°	M	18.2						180			2							7								24" S&F HDWL @ 0° SKEW		
R23	668+80	45° LT.	M	2.6						116									2	17	53	70								
R25	675+15	10° LT.	M	10.8						159										12								24" S&F HDWL @ 0° SKEW		
R27	689+15	0°	M	6.9					104				2							10								18" S&F HDWL @ 0° SKEW		
R29	700+00	30° LT.	M	16.9						205			2							12								24" S&F HDWL @ 0° SKEW		
R31	716+85	0°	M	10.6						139				2						12	50	45						24" S&F HDWL @ 0° SKEW		
R31	723+00	0°	M	2.1					66											13										
R31	729+00	35° LT.	M	1.4					91											13	58	106						1 HDWL @ 0° SKEW AND 1 @ 30° SKEW		
R35	746+00	0°	M	15.5						122				2						14								24" S&F HDWL @ 0° SKEW		
KY 144																														
R39	45+80	0°	M	1.8					55											15										
R39	49+30	0°	M	1.1					66											17										
OSBORNE RD.																														
R41	51+00	0°	M	1.4						50										15										
R41	60+25	0°	M	2.7					56											13										
KY 1238																														
R43	46+24	45° RT.	M	1.1																23										
BUCK GROVE RD.																														
R47	53+62 ENT.	5° LT.	M	2.7									42							23								36" PIPE CULVERT HDWL @ 0° SKEW		
R47	56+47	25° RT.	M	2.4						216										26	31	7	12.98	950				TRIPLE 30" PIPE CULVERT HDWL @ 0° SKEW SEE STND. DWG. RDH-520-05, RDH-522-02, RDH-524-03		
ACCESS RD.																														
R31	12+00	0°	M	7.4					84				2							10								18" S&F HDWL @ 0° SKEW		
KY 448																														
R33	47+75	0°	M	4.8					77				2							10								18" S&F HDWL @ 0° SKEW		
BOX CULVERT																														
KY 313																														
R11	573+80	45° RT.	M	19.7																47	50	15						10'X6' RCBC - SEE STRUCTURE PLANS		
ENTRANCE PIPES																														
KY 313																														
R7	542+50 LT.		M					45																						
R7	542+50 RT.		M									60																		
R9	564+50 LT.		M																											
R9	564+50 RT.		M			36																								
R11	576+50 RT.		M																											
R15	602+80 LT.		M																											
R17	616+00 LT.		M																											
R17	616+00 RT.		M																											
R21	648+00 RT.		M																											
SHEET ① TOTAL									193	128	89	60	831	971	701	255	7	10	5	3	13	4	3	3	380	269	318	12.98	950	2891

① QUANTITIES ARE ADDED TO GENERAL SUMMARY

KY 313
PIPE DRAINAGE SUMMARY

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$
 E-SHEET NAME: _____

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
MEADE	4-297.61	R2k

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SHEET NO.	STATIONS	SKEW	DESIGN PH LEVEL	MAX. COVER HEIGHT	ENTRANCE PIPE 15"	ENTRANCE PIPE 18"	ENTRANCE PIPE 24"	ENTRANCE PIPE 30"	CULVERT PIPE				PIPE CULVERT HEADWALL-18 IN	PIPE CULVERT HEADWALL-24 IN	PIPE CULVERT HEADWALL-30 IN	PIPE CULVERT HEADWALL-36 IN	S&F BOX IN/OUT				CLASS IV CHANNEL LINING	EROSION CONTROL BLANKET	DITCH EXCAVATION	CONCRETE CLASS 'A'	STEEL REINFORCEMENT	PIPELINE VIDEO INSPECTION	REMARKS	
									18"	24"	30"	36"					18"	24"	30"	36"								C.Y.
ITEM CODE					440	441	443	445	462	464	466	468	1204	1208	1210	1212	1450	1451	1452	1453	2488	5590		8100	8150	23131ER701		
UNIT TO BID ON				FT.	L.F.								EACH				C.Y.	SQ. YD.	C.Y.	C.Y.	LBS.	L.F.						
ENTRANCE PIPES																												
KY 313																												
R23	662+50 LT.		M		36																							
R23	662+50 RT.		M			36																						
R29	705+00 RT.		M		36																							
R31	717+60 LT.		M			60																						
R33	733+91 RT.		M				36																					
KY 144																												
R39	44+50 LT.		M			36																						
KY 1238																												
R43	44+20 LT.		M		36																							
R43	46+60 RT.		M		40																							
R45	53+23 LT.		M			36																						
R45	54+22 LT.		M			36																						
R45	54+22 RT.		M		36																							
R45	55+22 LT.		M		36																							
R45	55+58 LT.		M		36																							
R45	56+36 LT.		M		36																							
R45	57+28 LT.		M		48																							
BUCKGROVE RD.																												
R47	53+62 LT.		M			58																						
R47	55+55 LT.		M			58																						
KY 448																												
R33	44+15 LT.		M		37																							
R33	45+92 LT.		M		36																							
SHEET ② TOTAL					413	320	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	385		
SHEET ① TOTAL					193	128	89	60	831	971	701	255	7	10	5	3	13	4	3	3	380	269	318	12.98	950	2891		
PROJECT TOTAL					606	448	125	60	831	971	701	255	7	10	5	3	13	4	3	3	380	269	318	12.98	950	3276		

① QUANTITIES ARE ADDED TO GENERAL SUMMARY

KY 313
PIPE DRAINAGE SUMMARY

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$
 E-SHEET NAME: _____

PIPE DRAINAGE SUMMARY

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SHEET NO.	STATIONS	SKEW	DESIGN PH LEVEL	MAX. COVER HEIGHT	ENTRANCE PIPE 15"	ENTRANCE PIPE 18"	ENTRANCE PIPE 24"	ENTRANCE PIPE 30"	CULVERT PIPE				PIPE CULVERT HEADWALL-18 IN	PIPE CULVERT HEADWALL-24 IN	PIPE CULVERT HEADWALL-30 IN	PIPE CULVERT HEADWALL-36 IN	S&F BOX IN/OUT				CLASS IV CHANNEL LINING	EROSION CONTROL BLANKET	DITCH EXCAVATION	CONCRETE CLASS A	STEEL REINFORCEMENT	PIPELINE VIDEO INSPECTION	REMARKS
									18"	24"	30"	36"					18"	24"	30"	36"							
ITEM CODE					440	441	443	445	462	464	466	468	1204	1208	1210	1212	1450	1451	1452	1453	2488	5590		8100	8150	23131ER701	
UNIT TO BID ON				FT.	L.F.				EACH								C.Y.	SQ. YD.	C.Y.	C.Y.	LBS.	L.F.					
ENTRANCE PIPES																											
KY 313																											
R23	662+50 LT.		M		36																						
R23	662+50 RT.		M			36																					
R29	705+00 RT.		M		36																						
R31	717+60 LT.		M			60																					
R33	733+91 RT.		M				36																				
KY 144																											
R39	44+50 LT.		M			36																					
KY 1238																											
R43	44+20 LT.		M		36																						
R43	46+60 RT.		M		40																						
R45	53+23 LT.		M			36																					
R45	54+22 LT.		M			36																					
R45	54+22 RT.		M		36																						
R45	55+22 LT.		M		36																						
R45	55+58 LT.		M		36																						
R45	56+36 LT.		M		36																						
R45	57+28 LT.		M		48																						
BUCKGROVE RD.																											
R47	53+62 LT.		M			58																					
R47	55+55 LT.		M			58																					
KY 448																											
R33	44+15 LT.		M		37																						
R33	45+92 LT.		M		36																						
SHEET ② TOTAL					413	320	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	385	
SHEET ① TOTAL					193	128	89	60	831	971	701	255	7	10	5	3	13	4	3	3	380	269	318	12.98	950	2891	
PROJECT TOTAL					606	448	125	60	831	971	701	255	7	10	5	3	13	4	3	3	380	269	318	12.98	950	3276	

① QUANTITIES ARE ADDED TO GENERAL SUMMARY

KY 313
PIPE DRAINAGE SUMMARY

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$
 E-SHEET NAME: _____

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

PAVEMENT TRANSITION LT.		
STA. TO STA.	TYPE	LENGTH
46+30 - 46+65	35:1 EOP TAPER	35'
54+12.12 - 54+78.12	EOP TAPER	66'
57+14.57 - 58+00	EOP TAPER	85.43'

RURAL ENTRANCE CONSTRUCTION LT.					
STATION	SURFACE	WIDTH	TYPE	PIPE LNG. SIZE	SURFACE AREA(yd ²)
53+62	ASPHALT	14'	RES.	58" 18"	165
55+55	TTB	16'	FIELD	58" 18"	115

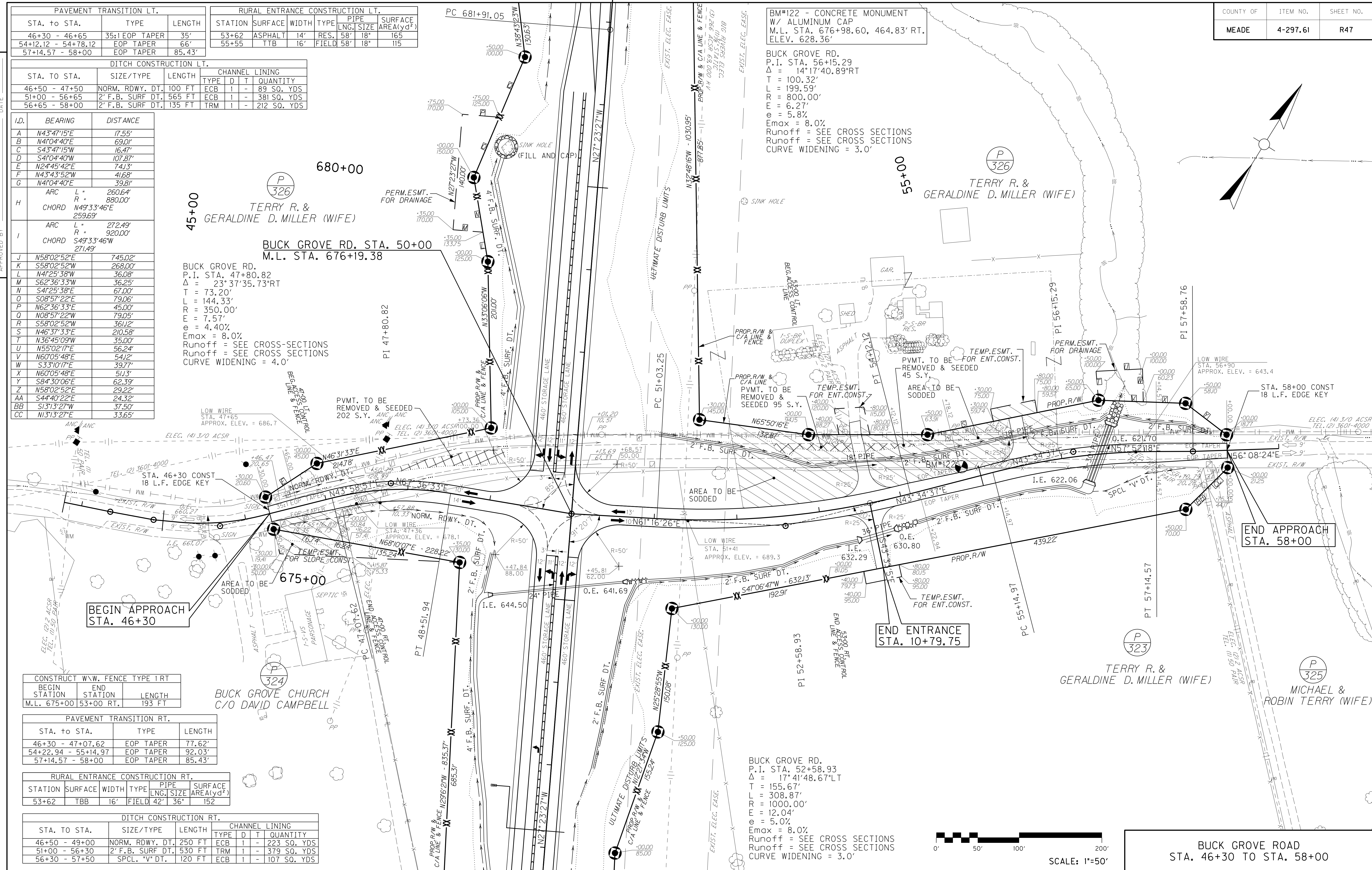
DITCH CONSTRUCTION LT.					
STA. TO STA.	SIZE/TYPE	LENGTH	CHANNEL LINING		
			TYPE	D	T
46+50 - 47+50	NORM. RDWY. DT.	100 FT	ECB	1	-
51+00 - 56+65	2' F.B. SURF DT.	565 FT	ECB	1	-
56+65 - 58+00	2' F.B. SURF DT.	135 FT	TRM	1	-

I.D.	BEARING	DISTANCE
A	N43°47'15"E	17.55'
B	N41°04'40"E	69.01'
C	S43°47'15"W	16.47'
D	S41°04'40"W	107.87'
E	N24°45'42"E	74.13'
F	N43°43'52"W	41.68'
G	N41°04'40"E	39.81'
H	ARC	L = 260.64' R = 880.00'
	CHORD	N49°33'46"E 259.69'
I	ARC	L = 272.49' R = 920.00'
	CHORD	S49°33'46"W 271.49'
J	N58°02'52"E	745.02'
K	S58°02'52"W	268.00'
L	N47°25'38"W	36.08'
M	S62°36'33"W	36.25'
N	S41°25'38"E	67.00'
O	S08°57'22"E	79.06'
P	N62°36'33"E	45.00'
Q	N08°57'22"W	79.05'
R	S58°02'52"W	3611.2'
S	N46°37'33"E	210.58'
T	N36°45'09"W	35.00'
U	N55°02'17"E	56.24'
V	N60°05'48"E	541.2'
W	S33°10'17"E	39.77'
X	N60°05'48"E	511.3'
Y	S84°30'06"E	62.39'
Z	N58°02'52"E	29.22'
AA	S44°40'22"E	24.32'
BB	S13°13'27"W	37.50'
CC	N13°13'27"E	33.65'

680+00
 TERRY R. & GERALDINE D. MILLER (WIFE)
 BUCK GROVE RD. STA. 50+00
 M.L. STA. 676+19.38
 BUCK GROVE RD.
 P.I. STA. 47+80.82
 $\Delta = 23^\circ 37' 35.73'' \text{RT}$
 $T = 73.20'$
 $L = 144.33'$
 $R = 350.00'$
 $E = 7.57'$
 $e = 4.40\%$
 $E_{max} = 8.0\%$
 Runoff = SEE CROSS-SECTIONS
 Runoff = SEE CROSS-SECTIONS
 CURVE WIDENING = 4.0'

BM*122 - CONCRETE MONUMENT
 W/ ALUMINUM CAP
 M.L. STA. 676+98.60, 464.83' RT.
 ELEV. 628.36'

BUCK GROVE RD.
 P.I. STA. 56+15.29
 $\Delta = 14^\circ 17' 40.89'' \text{RT}$
 $T = 100.32'$
 $L = 199.59'$
 $R = 800.00'$
 $E = 6.27'$
 $e = 5.8\%$
 $E_{max} = 8.0\%$
 Runoff = SEE CROSS-SECTIONS
 Runoff = SEE CROSS-SECTIONS
 CURVE WIDENING = 3.0'



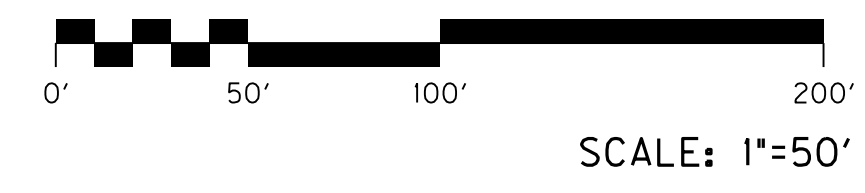
CONSTRUCT W.W. FENCE TYPE 1 RT		
BEGIN STATION	END STATION	LENGTH
M.L. 675+00	53+00 RT.	193 FT

PAVEMENT TRANSITION RT.			
STA. TO STA.	TYPE	LENGTH	
46+30 - 47+07.62	EOP TAPER	77.62'	
54+22.94 - 55+14.97	EOP TAPER	92.03'	
57+14.57 - 58+00	EOP TAPER	85.43'	

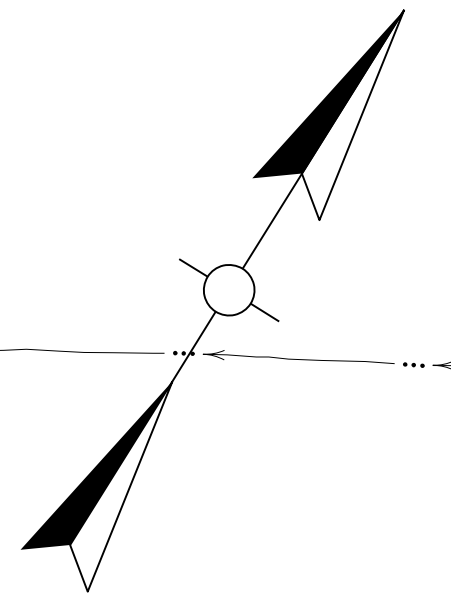
RURAL ENTRANCE CONSTRUCTION RT.					
STATION	SURFACE	WIDTH	TYPE	PIPE LNG. SIZE	SURFACE AREA(yd ²)
53+62	TBB	16'	FIELD	42" 36"	152

DITCH CONSTRUCTION RT.						
STA. TO STA.	SIZE/TYPE	LENGTH	CHANNEL LINING			
			TYPE	D	T	QUANTITY
46+50 - 49+00	NORM. RDWY. DT.	250 FT	ECB	1	-	223 SQ. YDS
51+00 - 56+30	2' F.B. SURF DT.	530 FT	TRM	1	-	379 SQ. YDS
56+30 - 57+50	SPCL. "V" DT.	120 FT	ECB	1	-	107 SQ. YDS

BUCK GROVE RD.
 P.I. STA. 52+58.93
 $\Delta = 17^\circ 41' 48.67'' \text{LT}$
 $T = 155.67'$
 $L = 308.87'$
 $R = 1000.00'$
 $E = 12.04'$
 $e = 5.0\%$
 $E_{max} = 8.0\%$
 Runoff = SEE CROSS-SECTIONS
 Runoff = SEE CROSS-SECTIONS
 CURVE WIDENING = 3.0'



BUCK GROVE ROAD
 STA. 46+30 TO STA. 58+00



USER: \$\$\$USER\$\$\$\$
 DATE: \$\$\$DATE\$\$\$\$
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$
 E-SHEET NAME:

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

PAVEMENT TRANSITION LT.		
STA. TO STA.	TYPE	LENGTH
46+30 - 46+65	35:1 EOP TAPER	35'
54+12.12 - 54+78.12	EOP TAPER	66'
57+14.57 - 58+00	EOP TAPER	85.43'

RURAL ENTRANCE CONSTRUCTION LT.					
STATION	SURFACE	WIDTH	TYPE	PIPE LNG. SIZE	SURFACE AREA(yd ²)
53+62	ASPHALT	14'	RES.	58" 18"	165
55+55	TTB	16'	FIELD	58" 18"	115

DITCH CONSTRUCTION LT.					
STA. TO STA.	SIZE/TYPE	LENGTH	CHANNEL LINING		
			TYPE	D	T
46+50 - 47+50	NORM. RDWY. DT.	100 FT	ECB	1	-
51+00 - 56+65	2' F.B. SURF DT.	565 FT	ECB	1	-
56+65 - 58+00	2' F.B. SURF DT.	135 FT	TRM	1	-

I.D.	BEARING	DISTANCE
A	N43°47'15"E	17.55'
B	N41°04'40"E	69.01'
C	S43°47'15"W	16.47'
D	S41°04'40"W	107.87'
E	N24°45'42"E	74.13'
F	N43°43'52"W	41.68'
G	N41°04'40"E	39.81'
H	ARC	L = 260.64' R = 880.00'
	CHORD	N49°33'46"E 259.69'
I	ARC	L = 272.49' R = 920.00'
	CHORD	S49°33'46"W 271.49'
J	N58°02'52"E	745.02'
K	S58°02'52"W	268.00'
L	N47°25'38"W	36.08'
M	S62°36'33"W	36.25'
N	S41°25'38"E	67.00'
O	S08°57'22"E	79.06'
P	N62°36'33"E	45.00'
Q	N08°57'22"W	79.05'
R	S58°02'52"W	361.12'
S	N46°37'33"E	210.58'
T	N36°45'09"W	35.00'
U	N55°02'17"E	56.24'
V	N60°05'48"E	54.22'
W	S33°10'17"E	39.77'
X	N60°05'48"E	51.13'
Y	S84°30'06"E	62.39'
Z	N58°02'52"E	29.22'
AA	S44°40'22"E	24.32'
BB	S13°13'27"W	37.50'
CC	N13°13'27"E	33.65'

680+00
 45+00
 TERRY R. & GERALDINE D. MILLER (WIFE)
 BUCK GROVE RD. STA. 50+00
 M.L. STA. 676+19.38
 BUCK GROVE RD.
 P.I. STA. 47+80.82
 $\Delta = 23^\circ 37' 35.73'' \text{RT}$
 $T = 73.20'$
 $L = 144.33'$
 $R = 350.00'$
 $E = 7.57'$
 $e = 4.40\%$
 $E_{max} = 8.0\%$
 Runoff = SEE CROSS-SECTIONS
 Runoff = SEE CROSS-SECTIONS
 CURVE WIDENING = 4.0'

BM*122 - CONCRETE MONUMENT
 W/ ALUMINUM CAP
 M.L. STA. 676+98.60, 464.83' RT.
 ELEV. 628.36'

BUCK GROVE RD.
 P.I. STA. 56+15.29
 $\Delta = 14^\circ 17' 40.89'' \text{RT}$
 $T = 100.32'$
 $L = 199.59'$
 $R = 800.00'$
 $E = 6.27'$
 $e = 5.8\%$
 $E_{max} = 8.0\%$
 Runoff = SEE CROSS-SECTIONS
 Runoff = SEE CROSS-SECTIONS
 CURVE WIDENING = 3.0'

BUCK GROVE RD.
 P.I. STA. 52+58.93
 $\Delta = 17^\circ 41' 48.67'' \text{LT}$
 $T = 155.67'$
 $L = 308.87'$
 $R = 1000.00'$
 $E = 12.04'$
 $e = 5.0\%$
 $E_{max} = 8.0\%$
 Runoff = SEE CROSS-SECTIONS
 Runoff = SEE CROSS-SECTIONS
 CURVE WIDENING = 3.0'

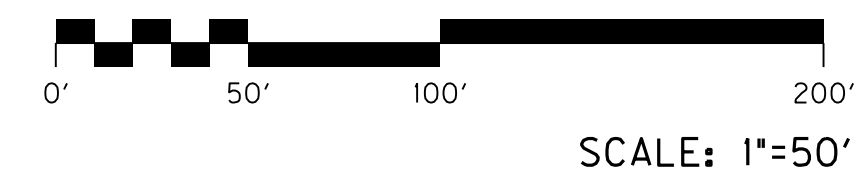
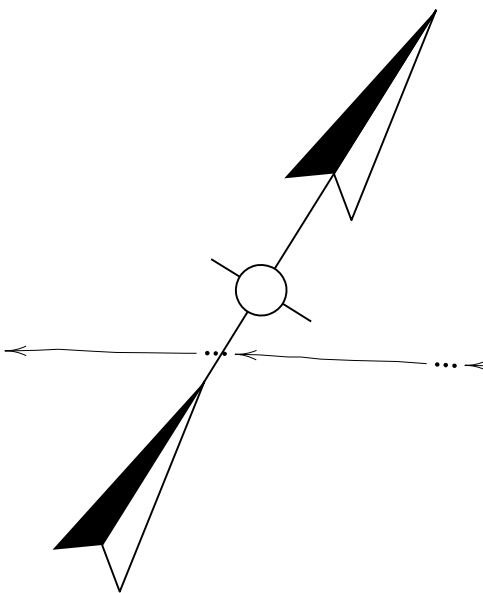
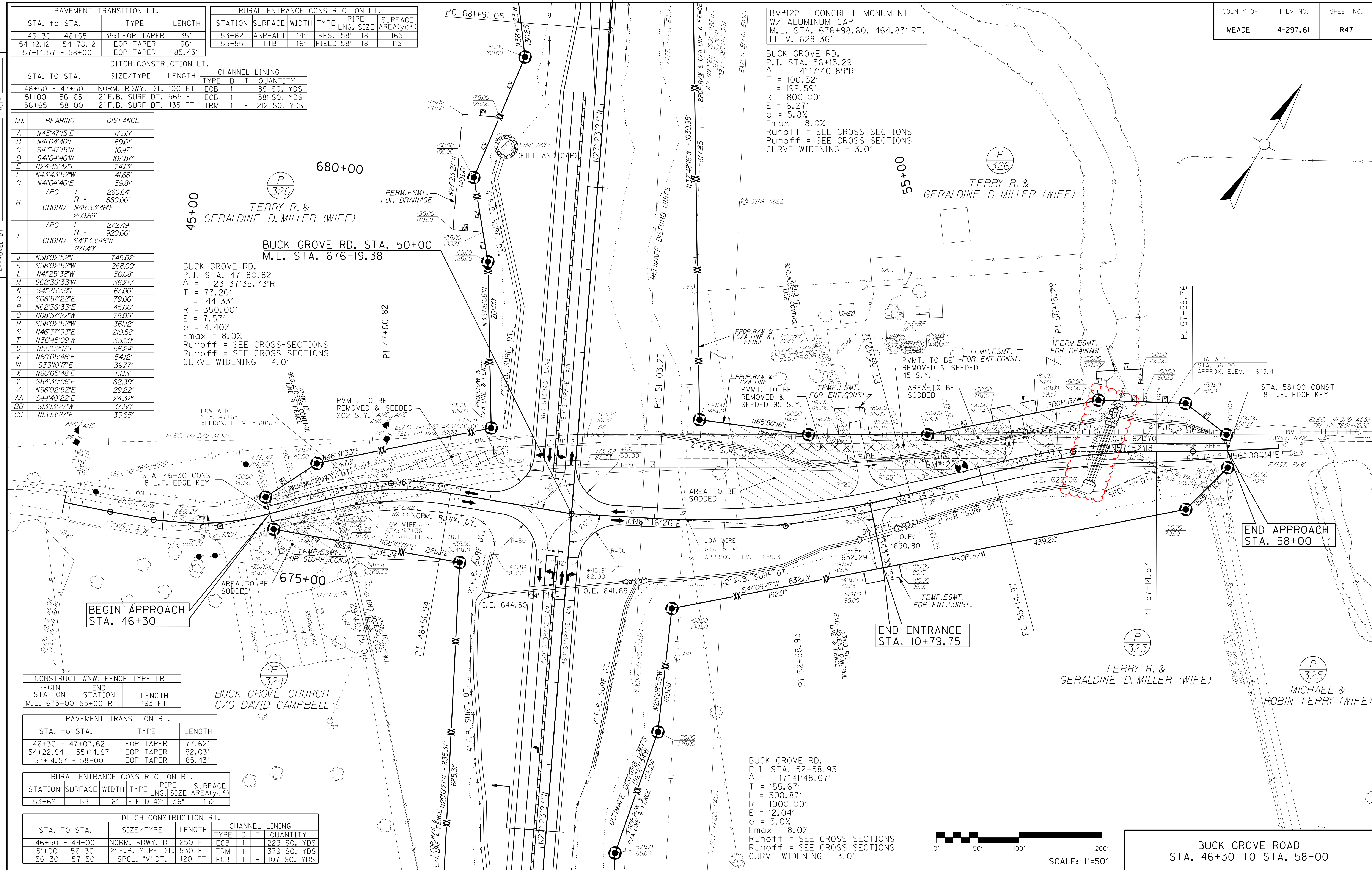
CONSTRUCT W.W. FENCE TYPE 1 RT		
BEGIN STATION	END STATION	LENGTH
M.L. 675+00	53+00 RT.	193 FT

PAVEMENT TRANSITION RT.			
STA. TO STA.	TYPE	LENGTH	
46+30 - 47+07.62	EOP TAPER	77.62'	
54+22.94 - 55+14.97	EOP TAPER	92.03'	
57+14.57 - 58+00	EOP TAPER	85.43'	

RURAL ENTRANCE CONSTRUCTION RT.					
STATION	SURFACE	WIDTH	TYPE	PIPE LNG. SIZE	SURFACE AREA(yd ²)
53+62	TBB	16'	FIELD	42" 36"	152

DITCH CONSTRUCTION RT.						
STA. TO STA.	SIZE/TYPE	LENGTH	CHANNEL LINING			
			TYPE	D	T	QUANTITY
46+50 - 49+00	NORM. RDWY. DT.	250 FT	ECB	1	-	223 SQ. YDS
51+00 - 56+30	2' F.B. SURF DT.	530 FT	TRM	1	-	379 SQ. YDS
56+30 - 57+50	SPCL. "V" DT.	120 FT	ECB	1	-	107 SQ. YDS

USER: \$\$\$USER\$\$\$\$
 DATE: \$\$\$DATE\$\$\$\$
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$
 E-SHEET NAME:



BUCK GROVE ROAD
 STA. 46+30 TO STA. 58+00

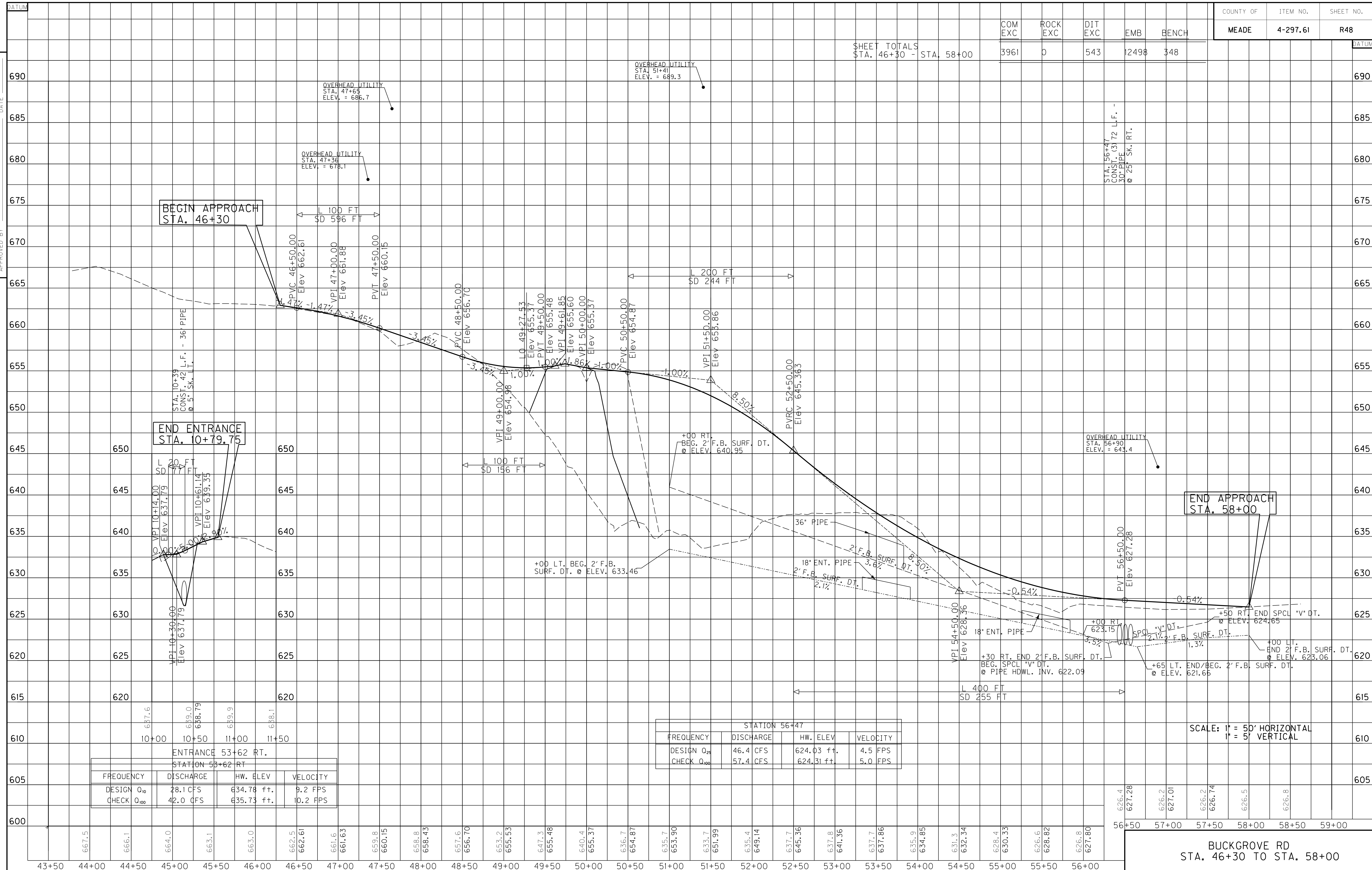
USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designsfilespecifications\$\$\$
 E-SHEET NAME:

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

SHEET TOTALS
 STA. 46+30 - STA. 58+00

COM EXC	ROCK EXC	DIT EXC	EMB	BENCH
3961	0	543	12498	348

COUNTY OF	ITEM NO.	SHEET NO.
MEADE	4-297.61	R48



ENTRANCE 53+62 RT.
 STATION 53+62 RT

FREQUENCY	DISCHARGE	HW. ELEV	VELOCITY
DESIGN Q_{10}	28.1 CFS	634.78 ft.	9.2 FPS
CHECK Q_{100}	42.0 CFS	635.73 ft.	10.2 FPS

STATION 56+47

FREQUENCY	DISCHARGE	HW. ELEV	VELOCITY
DESIGN Q_{25}	46.4 CFS	624.03 ft.	4.5 FPS
CHECK Q_{100}	57.4 CFS	624.31 ft.	5.0 FPS

SCALE: 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

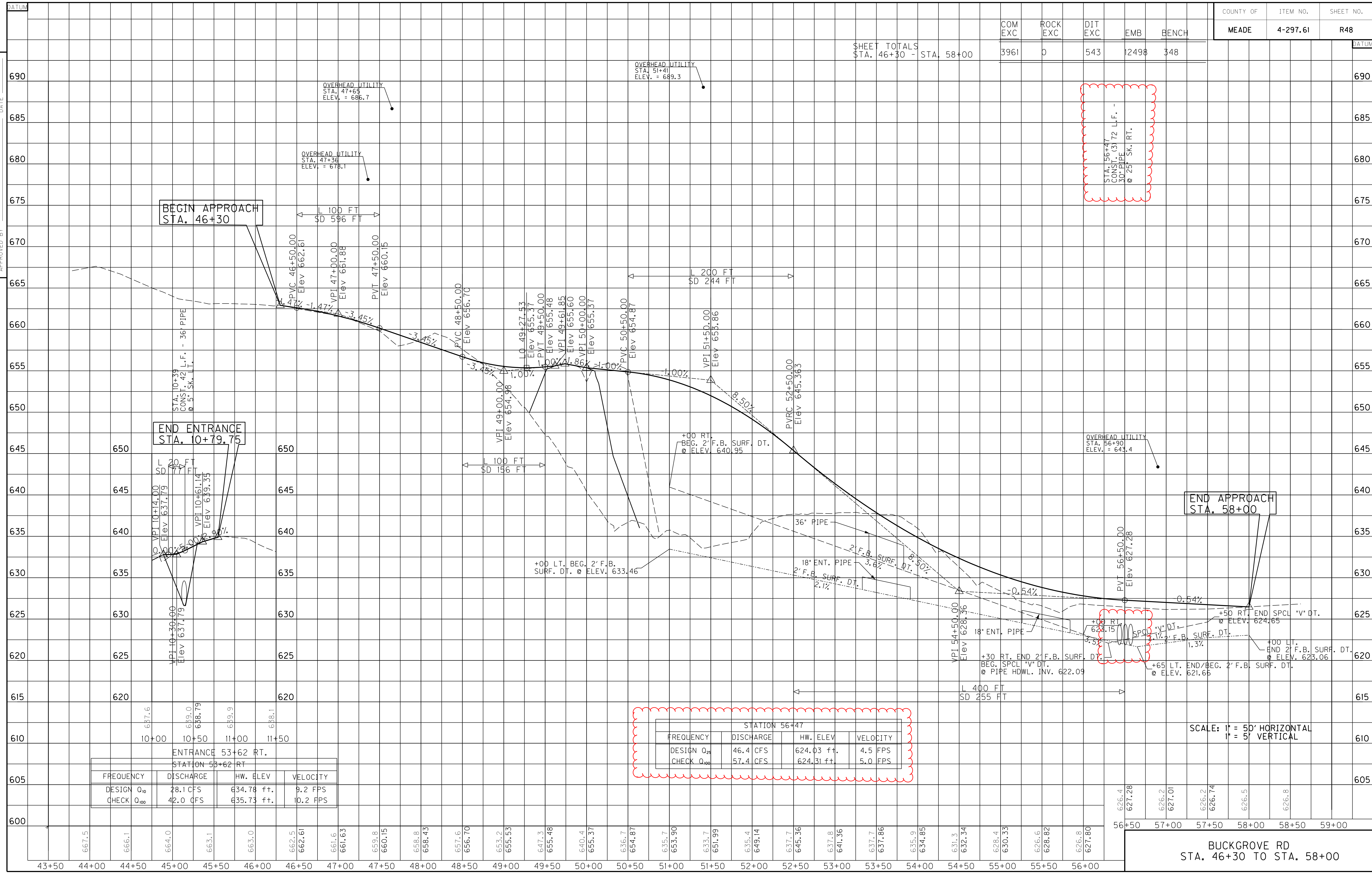
BUCKGROVE RD
 STA. 46+30 TO STA. 58+00

626.4	627.28	626.2	627.01	626.2	626.74	626.5	626.8
56+50	57+00	57+50	58+00	58+50	59+00		

COM EXC	ROCK EXC	DIT EXC	EMB	BENCH
3961	0	543	12498	348

SHEET TOTALS
STA. 46+30 - STA. 58+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____



ENTRANCE 53+62 RT.
STATION 53+62 RT.

FREQUENCY	DISCHARGE	HW. ELEV	VELOCITY
DESIGN Q_{10}	28.1 CFS	634.78 ft.	9.2 FPS
CHECK Q_{100}	42.0 CFS	635.73 ft.	10.2 FPS

STATION 56+47

FREQUENCY	DISCHARGE	HW. ELEV	VELOCITY
DESIGN Q_{25}	46.4 CFS	624.03 ft.	4.5 FPS
CHECK Q_{100}	57.4 CFS	624.31 ft.	5.0 FPS

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

626.4	627.28	626.2	627.01	626.2	626.74	626.5	626.8
56+50	57+00	57+50	58+00	58+50	59+00		

BUCKGROVE RD
STA. 46+30 TO STA. 58+00

USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$designsfiles\$\$\$
E-SHEET NAME:

PHASE 1 CONSTRUCTION

CONSTRUCTION SIGNS EXIST. BUCK GROVE RD. LT & RT.

DESCRIPTION	CODE	SIZE
ROADWORK AHEAD	W20-1	36"x36"
ROADWORK 1500 FT	W20-1	36"x36"
ROADWORK 500 FT	W20-1	36"x36"
35 MPH ADVISORY SPEED PLATE	W13-1	24"x24"
ONE LANE ROAD 750 FT	W20-4	36"x36"
ONE LANE ROAD 500 FT	W20-4	36"x36"
FLAGGER	W20-7	36"x36"
END ROAD WORK	G20-2	36"x18"
BUMP	W20-7	36"x36"
STEEL PLATE	G20-2	36"x18"

SHOULDER CLOSURE SIGNS (AS NEEDED)

DESCRIPTION	CODE	SIZE
RIGHT SHOULDER CLOSED 500'	W21-5b	36"x36"
RIGHT SHOULDER CLOSED	W21-5a	36"x36"

BUCK GROVE RD. STA. 50+00
M.L. STA. 676+04.39

BEGIN APPROACH
STA. 46+30

END APPROACH
STA. 58+00

BUCKGROVE RD.
TEMPORARY 24" PIPE

CROSS DRAIN
SEE PHASE I ON THE
MOT PHASING SHEET
FOR DETAILS

■ MAINLINE AND APPROACH CONST.
▨ TRAFFIC ROUTE

PHASE 1 POST CONSTRUCTION ROUTING

CONSTRUCTION SIGNS EXIST. BUCK GROVE RD. LT & RT.

DESCRIPTION	CODE	SIZE
ROADWORK AHEAD	W20-1	36"x36"
ROADWORK 1500 FT	W20-1	36"x36"
ROADWORK 500 FT	W20-1	36"x36"
35 MPH ADVISORY SPEED PLATE	W13-1	24"x24"
ONE LANE ROAD 750 FT	W20-4	36"x36"
ONE LANE ROAD 500 FT	W20-4	36"x36"
FLAGGER	W20-7	36"x36"
END ROAD WORK	G20-2	36"x18"

SHOULDER CLOSURE SIGNS (AS NEEDED)

DESCRIPTION	CODE	SIZE
RIGHT SHOULDER CLOSED 500'	W21-5b	36"x36"
RIGHT SHOULDER CLOSED	W21-5a	36"x36"

BUCK GROVE RD. STA. 50+00
M.L. STA. 676+04.39

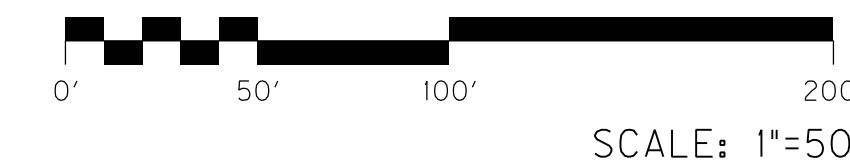
BEGIN APPROACH
STA. 46+30

END APPROACH
STA. 58+00

TYPE III BARRICADE

TYPE III BARRICADE

▨ TRAFFIC ROUTE



BUCKGROVE RD.
MOT PHASE I

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$designs\$filespecification\$\$\$
E-SHEET NAME:

PHASE 1 CONSTRUCTION

CONSTRUCTION SIGNS EXIST. BUCK GROVE RD. LT & RT.

DESCRIPTION	CODE	SIZE
ROADWORK AHEAD	W20-1	36"x36"
ROADWORK 1500 FT	W20-1	36"x36"
ROADWORK 500 FT	W20-1	36"x36"
35 MPH ADVISORY SPEED PLATE	W13-1	24"x24"
ONE LANE ROAD 750 FT	W20-4	36"x36"
ONE LANE ROAD 500 FT	W20-4	36"x36"
FLAGGER	W20-7	36"x36"
END ROAD WORK	G20-2	36"x18"
BUMP	W20-7	36"x36"
STEEL PLATE	G20-2	36"x18"

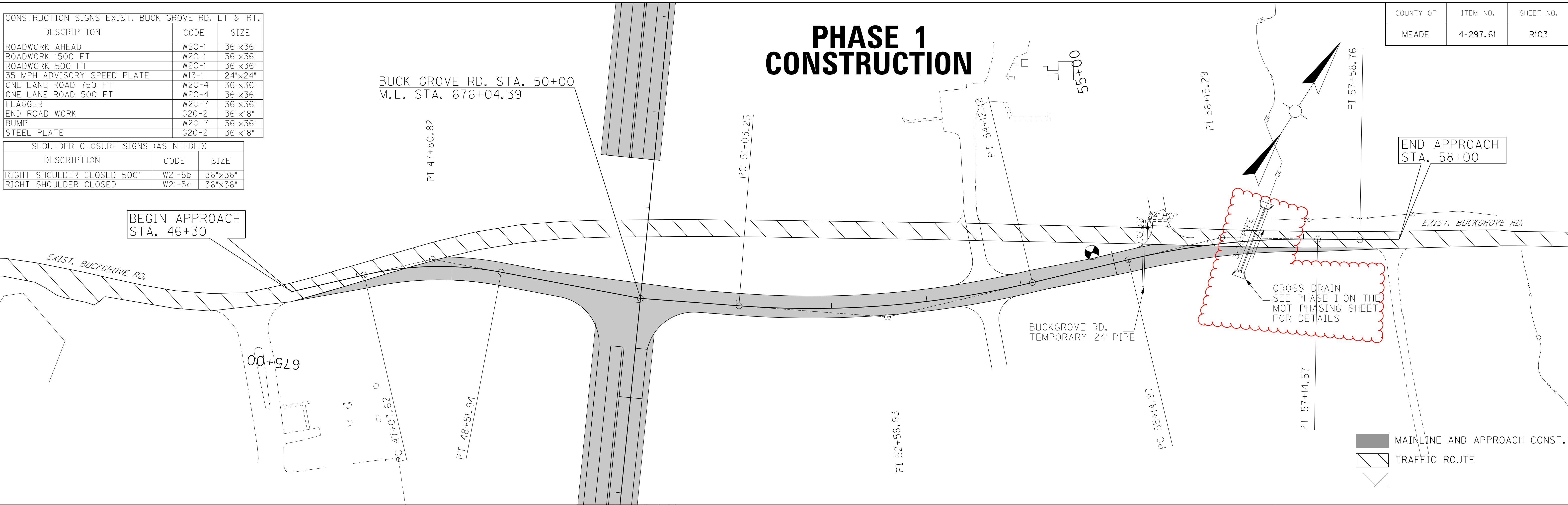
SHOULDER CLOSURE SIGNS (AS NEEDED)

DESCRIPTION	CODE	SIZE
RIGHT SHOULDER CLOSED 500'	W21-5b	36"x36"
RIGHT SHOULDER CLOSED	W21-5a	36"x36"

BUCK GROVE RD. STA. 50+00
M.L. STA. 676+04.39

BEGIN APPROACH
STA. 46+30

END APPROACH
STA. 58+00



MAINLINE AND APPROACH CONST.
 TRAFFIC ROUTE

PHASE 1 POST CONSTRUCTION ROUTING

CONSTRUCTION SIGNS EXIST. BUCK GROVE RD. LT & RT.

DESCRIPTION	CODE	SIZE
ROADWORK AHEAD	W20-1	36"x36"
ROADWORK 1500 FT	W20-1	36"x36"
ROADWORK 500 FT	W20-1	36"x36"
35 MPH ADVISORY SPEED PLATE	W13-1	24"x24"
ONE LANE ROAD 750 FT	W20-4	36"x36"
ONE LANE ROAD 500 FT	W20-4	36"x36"
FLAGGER	W20-7	36"x36"
END ROAD WORK	G20-2	36"x18"

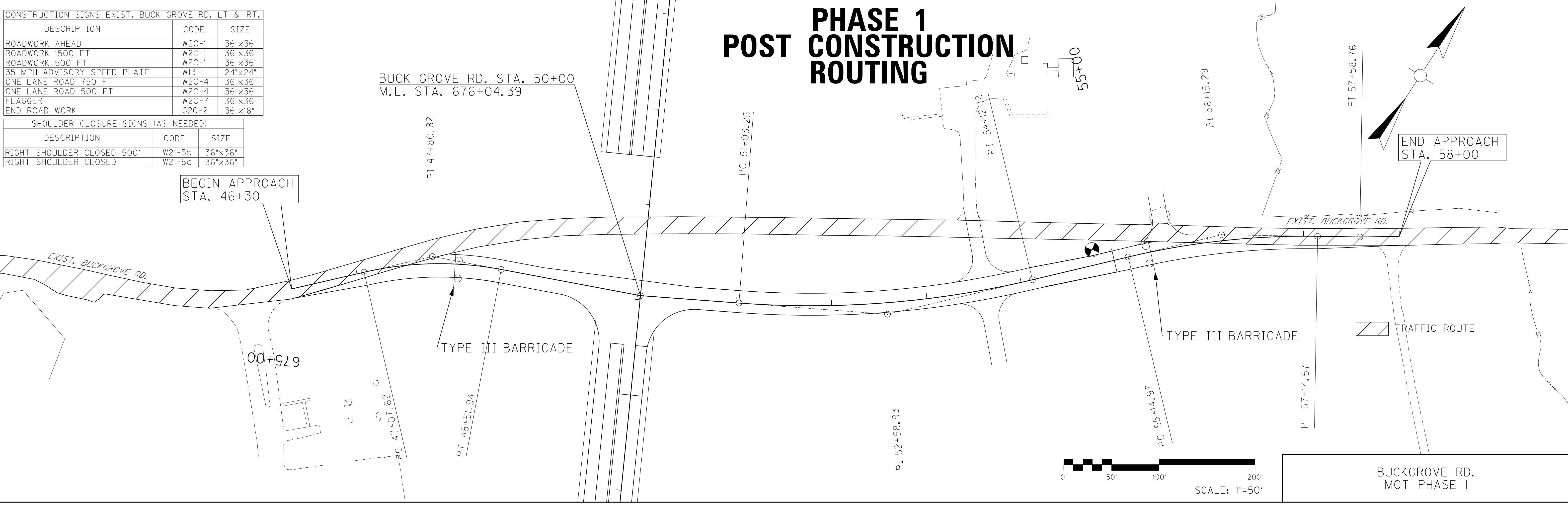
SHOULDER CLOSURE SIGNS (AS NEEDED)

DESCRIPTION	CODE	SIZE
RIGHT SHOULDER CLOSED 500'	W21-5b	36"x36"
RIGHT SHOULDER CLOSED	W21-5a	36"x36"

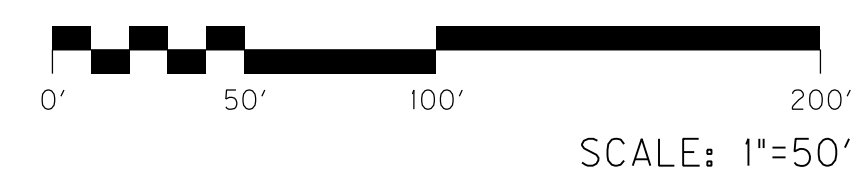
BUCK GROVE RD. STA. 50+00
M.L. STA. 676+04.39

BEGIN APPROACH
STA. 46+30

END APPROACH
STA. 58+00



TRAFFIC ROUTE



BUCKGROVE RD.
MOT PHASE 1

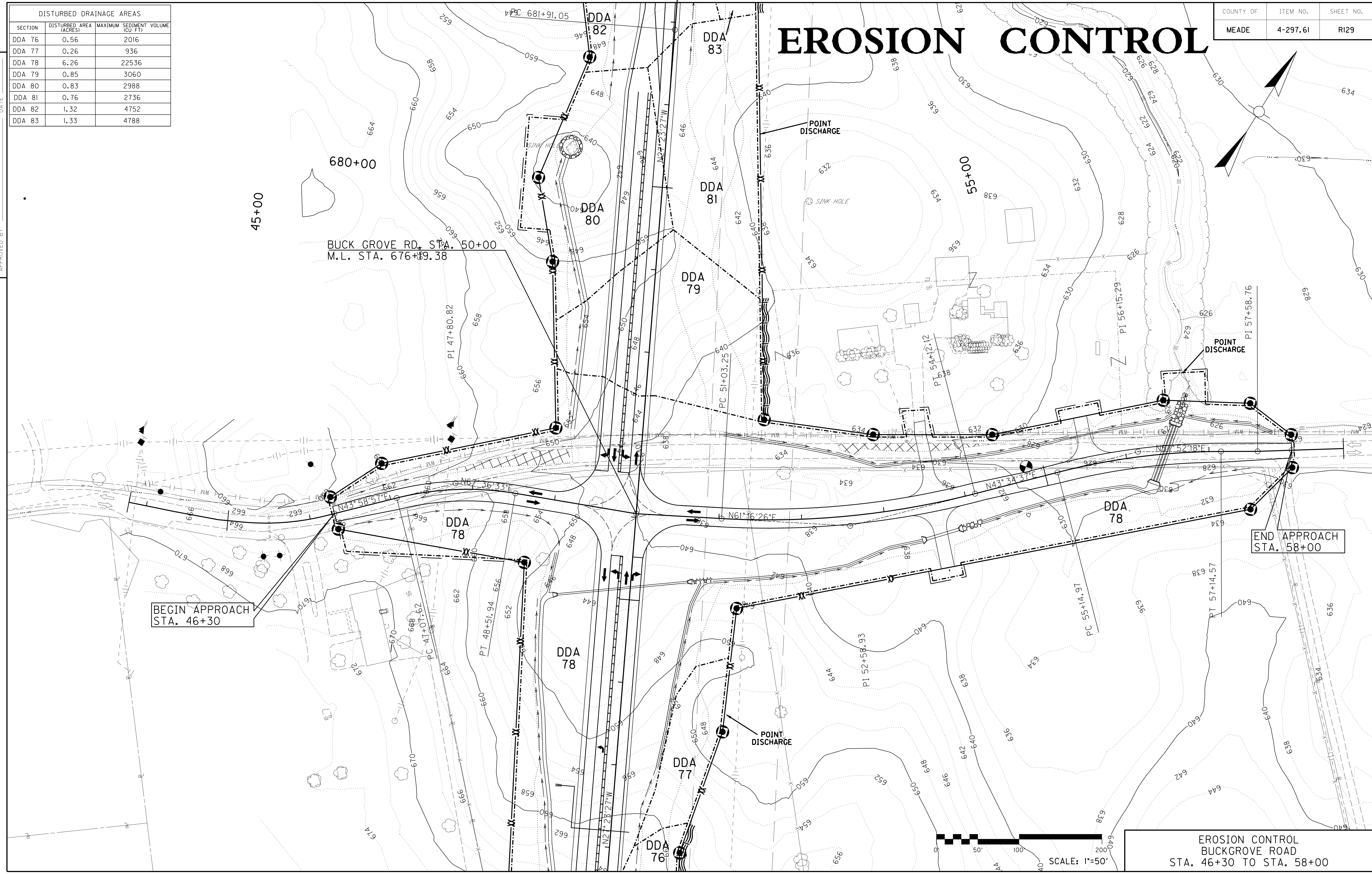
PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designs\$filespecification\$\$\$
 E-SHEET NAME:

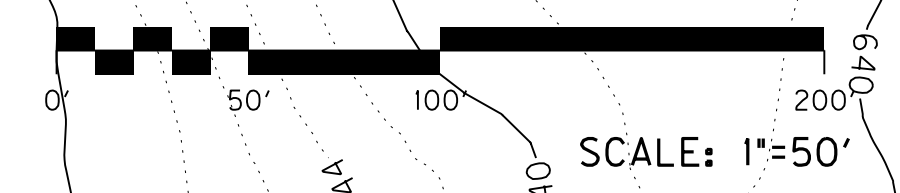
EROSION CONTROL

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA 76	0.56	2016
DDA 77	0.26	936
DDA 78	6.26	22536
DDA 79	0.85	3060
DDA 80	0.83	2988
DDA 81	0.76	2736
DDA 82	1.32	4752
DDA 83	1.33	4788

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designsfiles\$\$\$
 E-SHEET NAME:

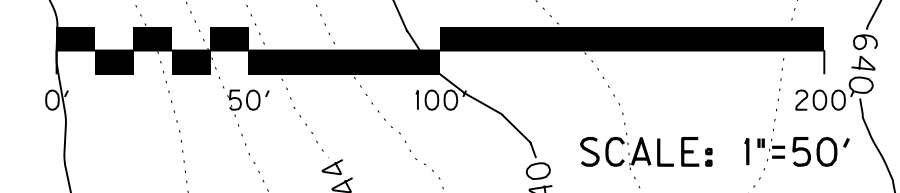
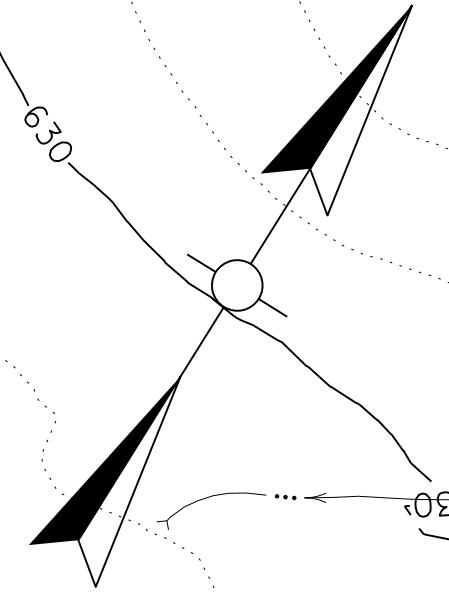
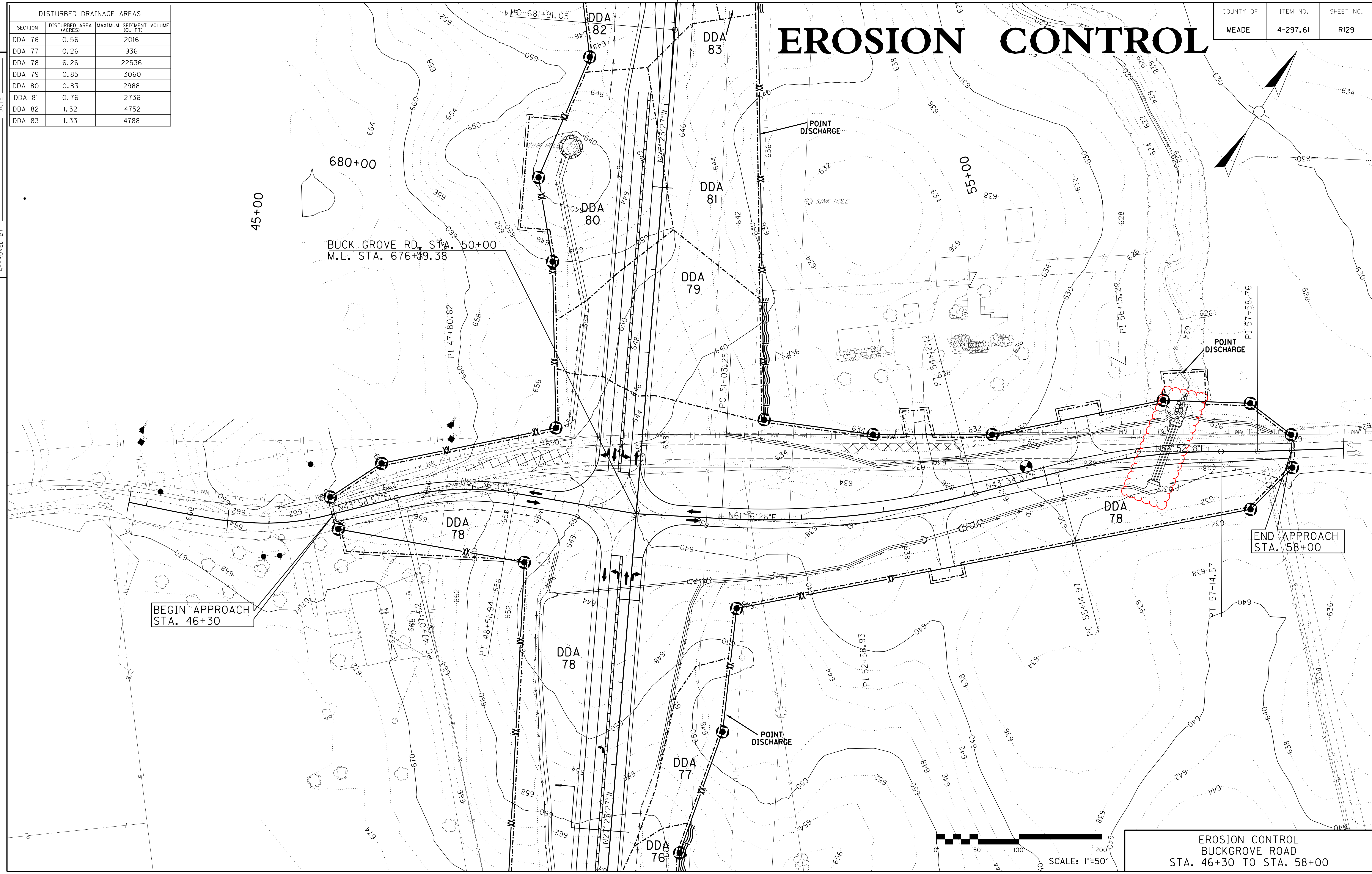


EROSION CONTROL
 BUCKGROVE ROAD
 STA. 46+30 TO STA. 58+00

EROSION CONTROL

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA 76	0.56	2016
DDA 77	0.26	936
DDA 78	6.26	22536
DDA 79	0.85	3060
DDA 80	0.83	2988
DDA 81	0.76	2736
DDA 82	1.32	4752
DDA 83	1.33	4788

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



EROSION CONTROL
 BUCKGROVE ROAD
 STA. 46+30 TO STA. 58+00

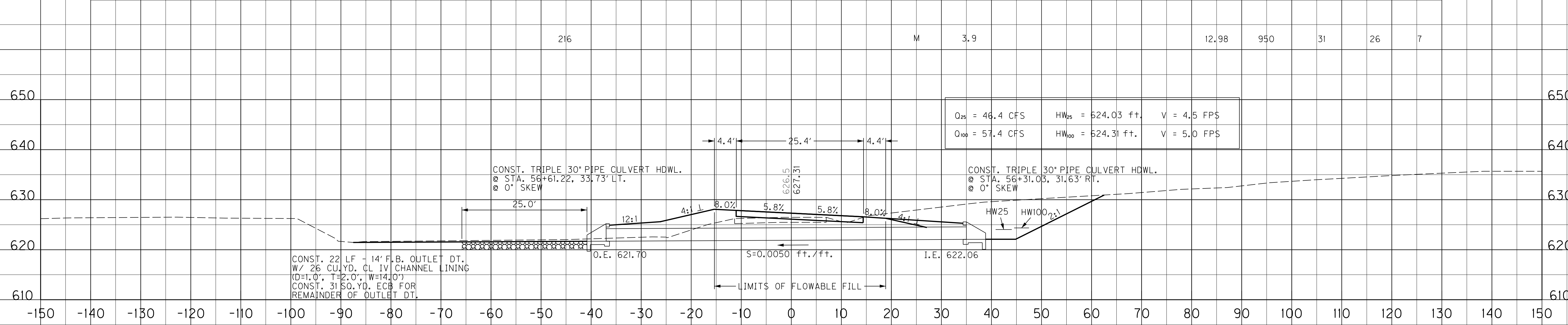
USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$
 E-SHEET NAME:

PIPE DRAINAGE SHEET 15 of 17

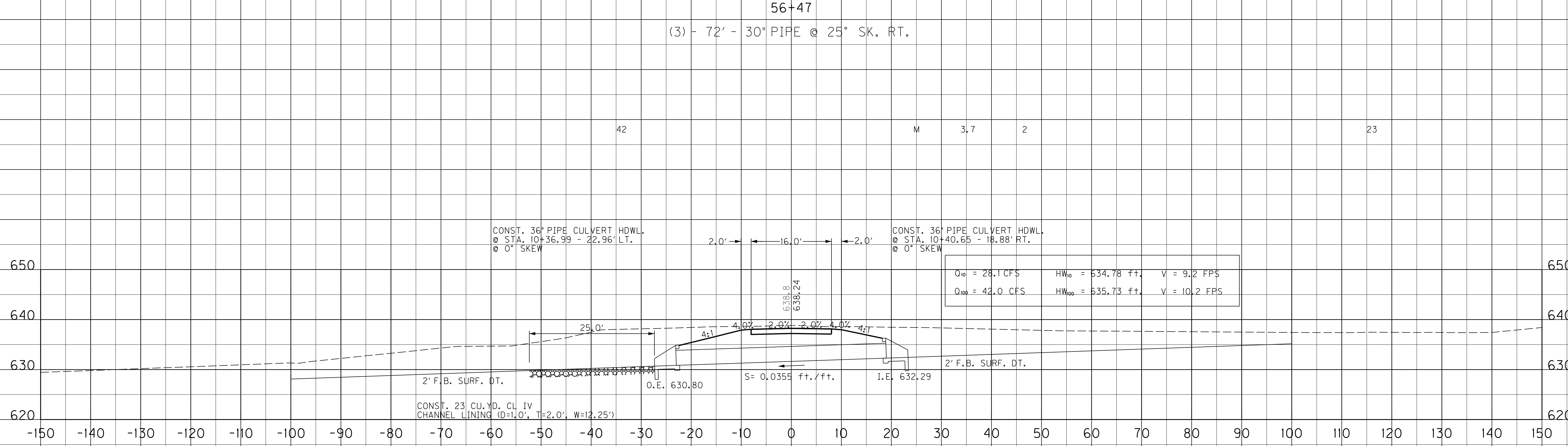
COUNTY OF MEADE ITEM NO. 4-297.61 SHEET NO. R182

STORM SEWER PIPE							CULVERT PIPE							DESIGN pH LEVEL	MAXIMUM COVER HEIGHT	PIPE CULVERT HEADWALL-36 IN			CONCRETE CLASS 'A'	STEEL REINFORCEMENT	EROSION CONTROL BLANKET	CLASS IV CHANNEL LINING	DITCH EXCAVATION																	
15"	18"	24"	30"	36"	42"	48"	18"	24"	30"	36"	42"	48"	54"											60"	-	FT	EACH	EACH	EACH	EACH	CU. YD.	LBS.	SQ. YD.	CU. YD.	CU. YD.					
L I N E A R F E E T																																								
														M	3.9								12.98	950	31	26	7													

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



56+47
 (3) - 72' - 30" PIPE @ 25° SK. RT.



ENTRANCE STA. 10+39
 BUCK GROVE RD. STA. 53+62
 CONST. 42 L.F. - 36" PIPE @ 5° SK. LT.

SCALE: 1"=10'

PIPE SHEET
 BUCK GROVE RD. APPROACH STA. 56+47
 BUCK GROVE RD. ENT. RT. STA. 53+62

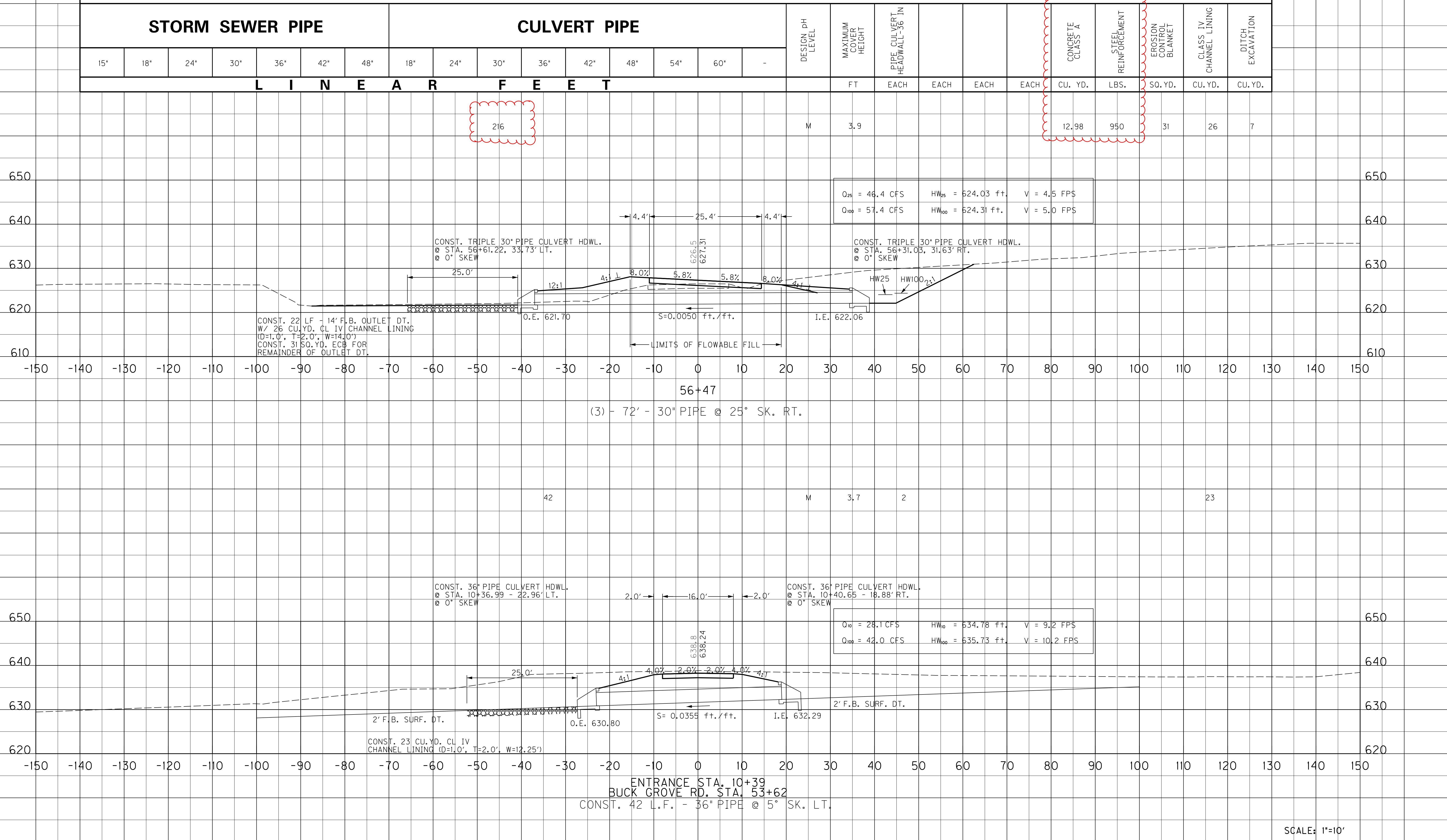
USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$
 E-SHEET NAME:

PIPE DRAINAGE SHEET 15 of 17

COUNTY OF	ITEM NO.	SHEET NO.
MEADE	4-297.61	R182

STORM SEWER PIPE								CULVERT PIPE								DESIGN pH LEVEL	MAXIMUM COVER HEIGHT	PIPE CULVERT HEADWALL-36" IN			CONCRETE CLASS 'A'	STEEL REINFORCEMENT	EROSION CONTROL BLANKET	CLASS IV CHANNEL LINING	DITCH EXCAVATION																
15"	18"	24"	30"	36"	42"	48"	18"	24"	30"	36"	42"	48"	54"	60"	-											FT	EACH	EACH	EACH	EACH	CU. YD.	LBS.	SQ. YD.	CU. YD.	CU. YD.						
L I N E A R F E E T																																									
																	M	3.9					12.98	950	31	26	7														

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$designsfilespecifications\$\$\$
 E-SHEET NAME:

SCALE: 1"=10'

PIPE SHEET
 BUCK GROVE RD. APPROACH STA.56+47
 BUCK GROVE RD. ENT. RT. STA. 53+62

PROPOSAL BID ITEMS

Report Date 5/21/13

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	74,119.00	TON		\$	
0020	00013		LIME STABILIZED ROADBED	64,522.00	SQYD		\$	
0030	00014		LIME	1,162.00	TON		\$	
0040	00020		TRAFFIC BOUND BASE	1,211.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	630.00	TON		\$	
0060	00103		ASPHALT SEAL COAT	77.00	TON		\$	
0070	00190		LEVELING & WEDGING PG64-22	770.00	TON		\$	
0080	00212		CL2 ASPH BASE 1.00D PG64-22	5,942.00	TON		\$	
0090	00214		CL3 ASPH BASE 1.00D PG64-22	39,802.00	TON		\$	
0100	00221		CL2 ASPH BASE 0.75D PG64-22	6,771.00	TON		\$	
0110	00223		CL3 ASPH BASE 0.75D PG64-22	358.00	TON		\$	
0120	00301		CL2 ASPH SURF 0.38D PG64-22	4,265.00	TON		\$	
0130	00358		ASPHALT CURING SEAL	65.00	TON		\$	
0140	00388		CL3 ASPH SURF 0.38B PG64-22	5,836.00	TON		\$	
0150	02200		ROADWAY EXCAVATION	513,198.00	CUYD		\$	
0160	02702		SAND FOR BLOTTER	162.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0190	00071		CRUSHED AGGREGATE SIZE NO 57	130.00	TON		\$	
0200	00078		CRUSHED AGGREGATE SIZE NO 2	25.00	TON		\$	
0210	01000		PERFORATED PIPE-4 IN	2,593.00	LF		\$	
0220	01010		NON-PERFORATED PIPE-4 IN	293.00	LF		\$	
0230	01020		PERF PIPE HEADWALL TY 1-4 IN	5.00	EACH		\$	
0240	01028		PERF PIPE HEADWALL TY 3-4 IN	20.00	EACH		\$	
0250	01069		STEEL ENCASMENT PIPE-12 IN	788.00	LF		\$	
0260	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	39.00	EACH		\$	
0270	02014		BARRICADE-TYPE III	17.00	EACH		\$	
0280	02091		REMOVE PAVEMENT	3,866.00	SQYD		\$	
0290	02159		TEMP DITCH	24,053.00	LF		\$	
0300	02160		CLEAN TEMP DITCH	24,053.00	LF		\$	
0310	02223		GRANULAR EMBANKMENT	29,429.00	CUYD		\$	
0320	02242		WATER	964.00	MGAL		\$	
0330	02262		FENCE-WOVEN WIRE TYPE 1	46,169.00	LF		\$	
0340	02360		GUARDRAIL TERMINAL SECTION NO 1	1.00	EACH		\$	
0350	02371		GUARDRAIL END TREATMENT TYPE 7	2.00	EACH		\$	
0360	02391		GUARDRAIL END TREATMENT TYPE 4A	9.00	EACH		\$	
0370	02397		TEMP GUARDRAIL	300.00	LF		\$	
0380	02429		RIGHT-OF-WAY MONUMENT TYPE 1	144.00	EACH		\$	
0390	02432		WITNESS POST	6.00	EACH		\$	
0400	02469		CLEAN SINKHOLE	21.00	EACH		\$	
0410	02488		CHANNEL LINING CLASS IV	880.00	CUYD		\$	
0420	02545		CLEARING AND GRUBBING(156.4 ACRES)	1.00	LS		\$	
0430	02562		TEMPORARY SIGNS	1,133.00	SQFT		\$	
0440	02585		EDGE KEY	216.00	LF		\$	

131316

PROPOSAL BID ITEMS

Page 2 of 3

Report Date 5/21/13

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0450	02597		FABRIC-GEOTEXTILE TYPE II	1,200.00	SQYD		\$	
0460	02598		FABRIC-GEOTEXTILE TYPE III	56,407.00	SQYD		\$	
0470	02599		FABRIC-GEOTEXTILE TYPE IV	1,000.00	SQYD		\$	
0480	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	7,739.00	SQYD	\$2.00	\$	\$15,478.00
0490	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0500	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0510	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0520	02696		SHOULDER RUMBLE STRIPS-SAWED	47,584.00	LF		\$	
0530	02701		TEMP SILT FENCE	24,053.00	LF		\$	
0540	02703		SILT TRAP TYPE A	156.00	EACH		\$	
0550	02704		SILT TRAP TYPE B	156.00	EACH		\$	
0560	02706		CLEAN SILT TRAP TYPE A	469.00	EACH		\$	
0570	02707		CLEAN SILT TRAP TYPE B	469.00	EACH		\$	
0580	02709		CLEAN TEMP SILT FENCE	24,053.00	LF		\$	
0590	02726		STAKING	1.00	LS		\$	
0600	05950		EROSION CONTROL BLANKET	32,351.00	SQYD		\$	
0610	05952		TEMP MULCH	538,166.00	SQYD		\$	
0620	05966		TOPDRESSING FERTILIZER	27.90	TON		\$	
0630	05985		SEEDING AND PROTECTION	538,166.00	SQYD		\$	
0640	05989		SPECIAL SEEDING CROWN VETCH	72,168.00	SQYD		\$	
0650	05990		SODDING	14,556.00	SQYD		\$	
0660	06510		PAVE STRIPING-TEMP PAINT-4 IN	23,535.00	LF		\$	
0670	06514		PAVE STRIPING-PERM PAINT-4 IN	129,479.00	LF		\$	
0680	06550		PAVE STRIPING-TEMP REM TAPE-W	326.00	LF		\$	
0690	06551		PAVE STRIPING-TEMP REM TAPE-Y	408.00	LF		\$	
0700	06567		PAVE MARKING-THERMO STOP BAR-12IN	113.00	LF		\$	
0710	06568		PAVE MARKING-THERMO STOP BAR-24IN	126.00	LF		\$	
0720	06573		PAVE MARKING-THERMO STR ARROW	3.00	EACH		\$	
0730	06574		PAVE MARKING-THERMO CURV ARROW	45.00	EACH		\$	
0740	10020NS		FUEL ADJUSTMENT	137,733.00	DOLL	\$1.00	\$	\$137,733.00
0750	10030NS		ASPHALT ADJUSTMENT	116,129.00	DOLL	\$1.00	\$	\$116,129.00
0760	20458ES403		CENTERLINE RUMBLE STRIPS	23,588.00	LF		\$	
0770	20550ND		SAWCUT PAVEMENT	630.00	LF		\$	
0780	21289ED		LONGITUDINAL EDGE KEY	630.00	LF		\$	
0790	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	2,988.00	LF		\$	
0800	22941ND		CLEAN MODIFIED SILT TRAP	13.00	EACH		\$	
0810	23274EN11F		TURF REINFORCEMENT MAT 1	9,966.00	SQYD		\$	
0820	23791EC		PAVE STRIPING-CHEVRON MARKINGS	9,660.00	SQFT		\$	
0830	23988EC		GRASS SWALE	2,951.00	SQYD		\$	
0840	24540		R/W MONUMENT TYPE 3	25.00	EACH		\$	

PROPOSAL BID ITEMS

Report Date 5/21/13

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0850	00440		ENTRANCE PIPE-15 IN	606.00	LF		\$	
0860	00441		ENTRANCE PIPE-18 IN	448.00	LF		\$	
0870	00443		ENTRANCE PIPE-24 IN	125.00	LF		\$	
0880	00445		ENTRANCE PIPE-30 IN	60.00	LF		\$	
0890	00462		CULVERT PIPE-18 IN	831.00	LF		\$	
0900	00464		CULVERT PIPE-24 IN	971.00	LF		\$	
0910	00466		CULVERT PIPE-30 IN(REVISED: 5-21-13)	701.00	LF		\$	
0920	00468		CULVERT PIPE-36 IN	255.00	LF		\$	
0940	01204		PIPE CULVERT HEADWALL-18 IN	7.00	EACH		\$	
0950	01208		PIPE CULVERT HEADWALL-24 IN	10.00	EACH		\$	
0960	01210		PIPE CULVERT HEADWALL-30 IN	5.00	EACH		\$	
0970	01212		PIPE CULVERT HEADWALL-36 IN	3.00	EACH		\$	
0990	01450		S & F BOX INLET-OUTLET-18 IN	13.00	EACH		\$	
1000	01451		S & F BOX INLET-OUTLET-24 IN	4.00	EACH		\$	
1010	01452		S & F BOX INLET-OUTLET-30 IN	3.00	EACH		\$	
1020	01453		S & F BOX INLET-OUTLET-36 IN	3.00	EACH		\$	
1021	08100		CONCRETE-CLASS A(ADDED: 5-21-13)	12.98	CUYD		\$	
1022	08150		STEEL REINFORCEMENT(ADDED: 5-21-13)	950.00	LB		\$	
1030	23131ER701		PIPELINE VIDEO INSPECTION	3,276.00	LF		\$	

Section: 0004 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1040	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1050	08100		CONCRETE-CLASS A	484.40	CUYD		\$	
1060	08150		STEEL REINFORCEMENT	67,160.00	LB		\$	

Section: 0005 - MOBILIZATION / DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1070	02568		MOBILIZATION	1.00	LS		\$	
1080	02569		DEMOBILIZATION	1.00	LS		\$	