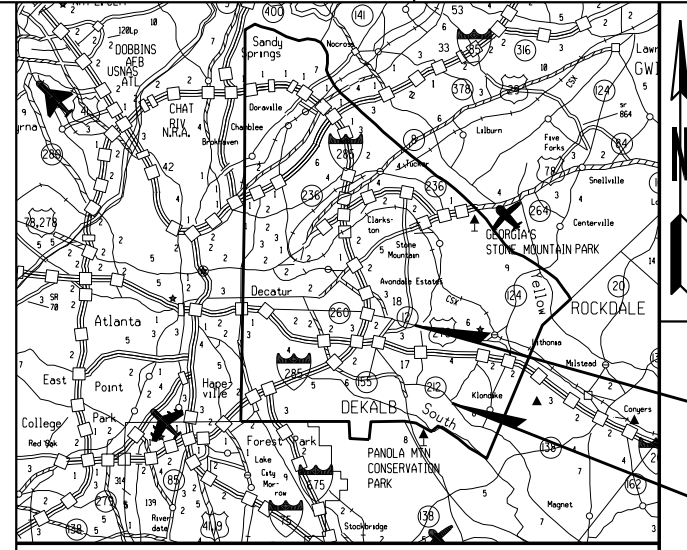


DATE###
#USER#

\$PRF##
\$PENTABLE##

\$DGN#
GRWCOV

DATE: 10-20-2023 City of Stonecrest
Project Number
LOCATION #1 & #2



CITY OF STONECREST

PLAN AND PROFILE OF PROPOSED SIDEWALKS ON

COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION #1) – M.P.# 5.75 & BROWNS MILL ROAD/S.R. 212 (LOCATION #2) – M.P.# 2.50

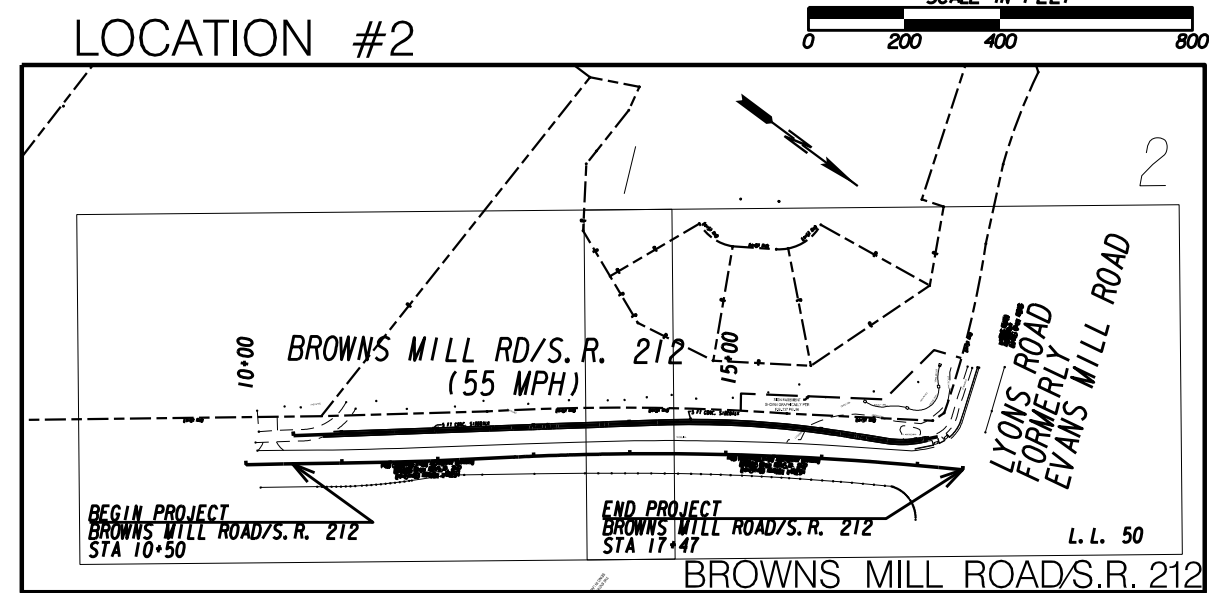
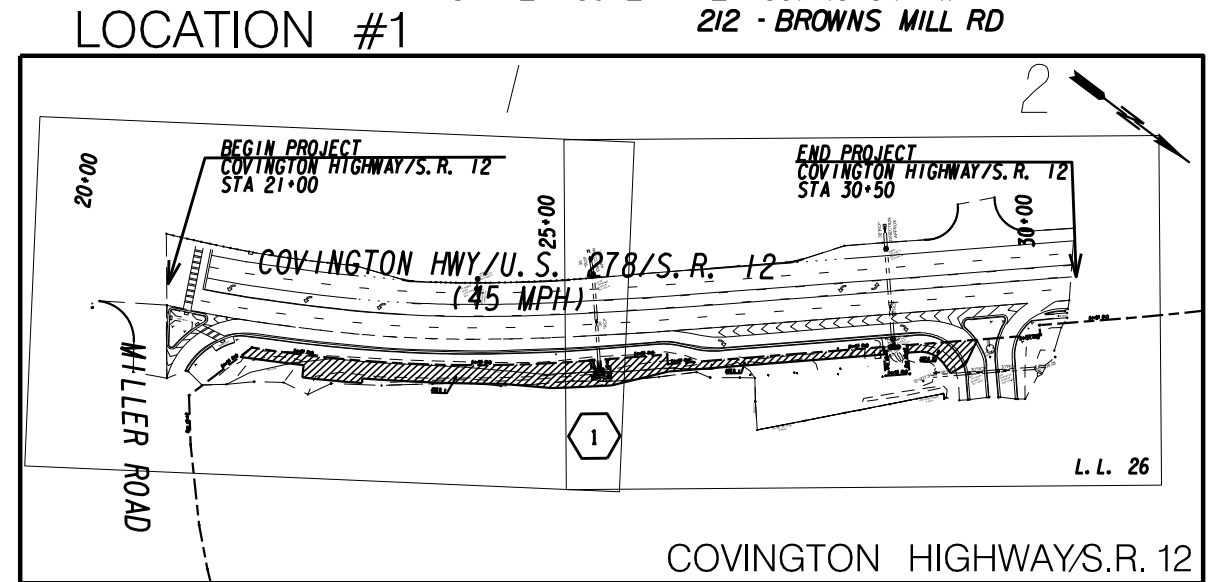
LOCATION #1
LOCATION
LOCATION #2
LOCATION

DEKALB COUNTY
FEDERAL ROUTE • U.S. 278 - COVINGTON HWY
STATE ROUTE • 12 - COVINGTON HWY
212 - BROWNS MILL RD

	LOCATION #1 COVINGTON HWY/ S.R. 12	LOCATION #2 BROWNS MILL RD/ S.R. 212
	FEET/MILES OR EACH	FEET/MILES OR EACH
PROJECT LENGTH:	0	0
EXISTING TRAVEL LANES:	2	2
NEW TRAVEL LANES:	0	0
EXISTING TURN LANES:	0	0
NEW TURN LANES:	0	0
EXISTING BRIDGE LANES:	0	0
NEW BRIDGE LANES:	0	0
EXISTING SIDEWALK:	0 LF	0 LF
NEW SIDEWALK:	784 LF	625 LF
EXISTING FIBER OPTIC:	0	0
NEW FIBER OPTIC INSTALLATION:	0	0
EXISTING # OF TRAFFIC SIGNALS:	0	0
NEW TRAFFIC SIGNAL INSTALLATIONS:	0	0

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.

	LOCATION #1	LOCATION #2
DESIGN DATA:	N/A	N/A
TRAFFIC A.D.T.:	33,400 (2021)	15,100 (2021)
TRAFFIC A.D.T.:	N/A	N/A
TRAFFIC D.H.V.:	N/A	N/A
DIRECTIONAL DIST:	61%	61%
% TRUCKS:	SJ 2%/MJ.1%	N/A
24 HR. TRUCKS %:	3%	N/A
SPEED DESIGN:	45 MPH COVINGTON HIGHWAY/ U.S. 278/ S.R. 12	55 MPH BROWNS MILL RD/S.R. 212



FUNCTIONAL CLASS:
URBAN MINOR ARTERIAL

THIS PROJECT IS 100% IN CITY OF STONECREST DEKALB COUNTY AND IS 100% IN CONG. DIST. NO. 04.

PROJECT DESIGNATION: EXEMPT

ENGLISH SYSTEM OF MEASUREMENT
HORIZONTAL DATUM - NAD83
VERTICAL DATUM NAVD88
GEORGIA WEST COORDINATE ZONE

NOTE: ALL WORK TO BE DONE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION OF GEORGIA STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF ROADS AND BRIDGES, CURRENT EDITION, AND SUPPLEMENTS THERETO, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.

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.

LENGTH OF PROJECT	COUNTY No. 089	COUNTY No. 089
	LOCATION #1 Covington Highway	LOCATION #2 Browns Mill Rd/ S.R. 212
DEKALB COUNTY	MILES	MILES
NET LENGTH OF ROADWAY	0J800	0J320
NET LENGTH OF BRIDGES	0.0000	0.0000
NET LENGTH OF PROJECT	0J800	0J320
NET LENGTH OF EXCEPTIONS	0.0000	0.0000
GROSS LENGTH OF PROJECT	0J800	0J320



COUNTY COMMISSION DISTRICT 04

LOCATION #1 LOCATED IN
G.M.D. 1448
LAND DISTRICT 16

LOCATION #2 LOCATED IN
G.M.D. 1448
LAND DISTRICT 16

PREPARED BY:

RKS&A R.K. SHAH & ASSOCIATES, INC.
ENGINEERS
TRANSPORTATION / SITE / CIVIL
970 PEACHTREE INDUSTRIAL BLVD, STE 200
SUWANE, GEORGIA 30024
TELEPHONE 770-436-5070 / 678-765-6188

GEORGIA REGISTERED
No. PE016405
PROFESSIONAL
ENGINEER
R. KANTILAL SHAH

R. Kantilal Shah

PLANS COMPLETED 10-20-2023	REVISIONS

PAGE NO.	DRAWING NO.	DESCRIPTION
		COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION *1)
		&
		BROWNS MILL ROAD/S.R. 212 (LOCATION *2)
01-0001		Cover
02-0001		Index
03-0001		Revision Summary
04-0001 to 04-0004		General Notes
05-0001		Typical Sections
06-0001		Summary Quantities
09-0001		Detailed Estimate
		COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION *1)
13-0001 to 13-0002		Construction Plans
21-0001 to 21-0002		Drainage Area Maps
22-0001		Drainage Profile
23-0001 to 23-0003		Cross Sections
24-0001 to 24-0002		Utility Plans
52-0001 to 52-0007		Erosion Control Legends
54-0001 to 54-0006		BMP Location Details
60-0001 to 60-0005		Right-of-Way Plans (Sheet No. 01 TO 05)
		BROWNS MILL ROAD/S.R. 212 (LOCATION *2)
13-1001 to 13-1002		Construction Plans
15-1001 to 15-1002		Mainline Roadway Profile
21-1001 to 21-1002		Drainage Area Maps
23-1001 to 23-1003		Cross Sections
24-1001 to 24-1002		Utility Plans
52-0001 to 52-0007		Erosion Control Legends
54-1001 to 54-1006		BMP Location Details
60-1001		Right-of-Way Plan (Sheet No. 01 TO 01)
		(X Denotes Not Included in this Submission)
		TOTAL - 64 DRAWINGS

These plans have been prepared in accordance with the 2023 Construction Standards and Details Book and attached applicable revisions. The 2023 Construction Standards and Details Book is available at: <http://mydocs.dot.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/Alllite.ms.aspx> Any revisions contained within this plan set supersede the 2023 Construction Standards and Details Book which they revise or in which there is a conflict.


R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.

REVISION DATES		DRAWING No.	
		COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION *1) & BROWNS MILL ROAD/S.R. 212 (LOCATION *2) INDEX	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	02-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

GENERAL NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION.
- 2. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON HIGHWAY PLANS AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON HIGHWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE HIGHWAY PROJECT IN ITS ORIGINAL, RELOCATED, OR NEWLY INSTALLED POSITION. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK.
- 3. UTILITY WORK COORDINATION WILL BE REQUIRED AS PART OF THIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO USE THE ONE-CALL MAIL CENTER TELEPHONE NUMBER 1-800-282-7411, FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO THE SUB-SECTION 105.06 "COOPERATION WITH UTILITIES". MORE INFORMATION CAN BE FOUND AT THE GAUPC.COM WEBSITE.
- 4. THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION # 1)		
UTILITY	OWNER	TELEPHONE #
GAS	ATLANTA GAS LIGHT CONYERS	404-387-3164
	ATLANTA GAS LIGHT ATLANTA	470-585-9343
TELECOMMUNICATION	ATT	305-409-1542
	COMCAST	678-708-7112
	FIBERLIGHT LLC	800-672-0181
	VERIZON BUSINESS	800-624-9675
	ZAYO	800-961-6500
ELECTRIC	GEORGIA POWER	404-506-6539
TRAFFIC	DEKALB COUNTY	404-297-3947
WATER	DEKALB COUNTY	404-731-3562
SEWER	DEKALB COUNTY	404-731-3562

BROWNS MILL ROAD/S.R. 212 (LOCATION #2)		
UTILITY	OWNER	TELEPHONE #
GAS	ATLANTA GAS LIGHT CONYERS	404-387-3164
TELECOMMUNICATION	ATT	305-409-1542
	COMCAST	678-708-7112
	ZAYO	800-961-6500
ELECTRIC	GEORGIA POWER	404-506-6539
	SNAPPING SHOALS EMC	770-385-2878
WATER	DEKALB COUNTY	404-731-3562
SEWER	DEKALB COUNTY	404-731-3562

- 5. THE TOTAL EARTHWORK QUANTITY SHOWN ON THE PLANS ARE FOR INFORMATION ONLY. THE CITY OF STONECREST ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRADING COMPLETE LUMP SUM AND IT SHALL BE HIS RESPONSIBILITY TO DETERMINE THE ACTUAL EARTHWORK QUANTITY TO BE GRADED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE QUANTITY SHOWN ON THE PLANS. CLEARING AND GRUBBING ON THIS PROJECT IS LIMITED TO THE ACTUAL CONSTRUCTION LIMITS UNLESS DIRECTED BY THE ENGINEER. COST FOR CLEARING AND GRUBBING SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE - LUMP SUM.
- 6. THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED SUFFICIENT, TO RETARD DUST. ALL COSTS FOR DUST CONTROL SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE - LUMP SUM.
- 7. THE TOTAL AREA SHOWN ON THE PLANS FOR GRASSING IS FOR INFORMATION ONLY. THE CITY OF STONECREST ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRASSING COMPLETE, LUMP SUM AND IT SHALL BE HIS RESPONSIBILITY TO DETERMINE THE ACTUAL AREA TO BE GRASSED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON THE PLANS.
- 8. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE STANDARD SPECIFICATIONS.
- 9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.
- 10. HORIZONTAL CONTROL IS BASED UPON THE GEORGIA STATE PLANE COORDINATE SYSTEM. SEE THE PLANS FOR LOCATIONS AND DESCRIPTIONS OF MONUMENTS USED.
- 11. THE PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER.
- 12. AGGREGATE SURFACE COURSE FOR TEMPORARY DRIVEWAYS, INCLUDING MATERIAL, HAUL AND PLACEMENT SHALL BE USED AT THE ENGINEER'S DIRECTION TO FACILITATE THE MOVEMENT OF LOCAL TRAFFIC THROUGH THE CONSTRUCTION AREA DURING INCLEMENT WEATHER. WHEN USED FOR THIS PURPOSE, SECTION 318 OF THE GADOT STANDARD SPECIFICATIONS IS MODIFIED TO PERMIT TRUCK DUMPING ON UNPREPARED, WET, MUDDY SUBGRADE. SECTION 318 IS FURTHER MODIFIED TO PERMIT THE USE OF CRUSHER STONE AS DESCRIBED IN SECTION 318.02. THE CONTRACTOR WILL HAVE THE USE OF THE FOLLOWING MATERIALS:
 - A. GRADED AGGREGATE, ARTICLE 815.2.01
 - B. COARSE AGGREGATE, SIZE 467, ARTICLE 800.2.01
 - C. STABILIZED AGGREGATE, TYPE 10R II, SECTION 803.2.01 OR 803.2.02
 - D. CRUSHED STONE, ARTICLE 806.2.01

- 13. N/A
- 14. ALL DRIVEWAYS, WHERE ACCESS IS ALLOWED, SHALL BE PLACED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH RULES AND REGULATIONS FOR CONTROL AND PROTECTION OF DEKALB COUNTY DEPARTMENT OF TRANSPORTATION RIGHTS-OF-WAY. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED IN KIND, I.E., ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE AND ASPHALT FOR EARTH. THE DRIVEWAY LOCATIONS INDICATED ON THE PLANS ARE FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS WHERE THEY ARE NOT IN CONFLICT WITH THE RULES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO MAKING ANY REVISIONS SUCH AS TO LOCATION, WIDTH AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. WHERE REQUIRED THE DRIVES SHALL BE PAVED AS FOLLOWS:

ASPHALTIC & UNPAVED DRIVES SHALL BE PAVED TO THEIR CONSTRUCTION LIMITS.

- ASPHALTIC DRIVES:
 - RESIDENTIAL - 1 1/2" RECYCLED ASPHALTIC CONCRETE, 12.5 MM SUPERPAVE GP2 ONLY INCL. BITUMINOUS MATERIAL & H LIME 6" AGGREGATE BASE.
 - COMMERCIAL - 1 1/2" RECYCLED ASPHALTIC CONCRETE, 12.5 MM SUPERPAVE GP2 ONLY INCL. BITUMINOUS MATERIAL & H LIME 2" ASPHALTIC CONCRETE "B" (19 MM) 8" GRADED AGGREGATE BASE.
- CONCRETE DRIVES:
 - RESIDENTIAL - 6" CONCRETE VALLEY GUTTER 6" CONCRETE DRIVEWAY
 - COMMERCIAL - 8" CONCRETE VALLEY GUTTER 8" CONCRETE DRIVEWAY

- 15. THIS PROJECT LIES WITHIN THE LIMITS OF AN INSECT INFESTED AREA. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FOLLOWING SUB-SECTIONS OR SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS:
 - A) SUB-SECTION 107.13D - INSECT CONTROL REGULATIONS:
 - B) SUB-SECTION 155 - INSECT CONTROL: AND
 - C) SUB-SECTION 893 - MISCELLANEOUS PLANTING.
- 16. THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
- 17. ALL EXISTING PIPE SHALL BE RETAINED UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. COSTS FOR REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.
- 18. N/A
- 19. AT LOCATIONS WHERE NEW PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT WITHOUT AN OVERLAY OR WHERE CURBING IS TO BE PLACED ACROSS A PAVED AREA, A JOINT SHALL BE SAWED ON A LINE ESTABLISHED BY THE ENGINEER TO ENSURE PAVEMENT REMOVAL TO A NEAT LINE. COSTS FOR SAWED JOINTS, WHEN REQUIRED, SHALL BE INCLUDED IN PRICE BID FOR OTHER CONTRACT ITEM, EXCEPT WHEN SAWING PCC CONCRETE PAVEMENT.
- 20. WHERE EXISTING PAVEMENT MARKINGS AND LINES ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" OR AS DIRECTED BY THE ENGINEER. TRAFFIC SHALL NOT BE ALLOWED ON ANY PAVEMENT NOT PROPERLY STRIPED.
- 21. THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLES 104.05 AND 107.07 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.
- 22. PRICE BID FOR TRAFFIC CONTROL - LUMP SUM SHALL INCLUDE, BUT IS NOT LIMITED TO, CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION AND/OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DETOUR SIGNAGE MAY BE REQUIRED IN ORDER TO CONFORM TO THE MUTCD. NO SEPARATE PAYMENT WILL BE MADE FOR THE ADDITIONAL DETOUR SIGNAGE NOT ILLUSTRATED ON THE DETOUR PLAN.



Know what's below.
Call before you dig.

R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.

REVISION DATES		COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION #1) & BROWNS MILL ROAD/S.R. 212 (LOCATION #2) GENERAL NOTES	
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	CORRECTED:	DATE:
CORRECTED:	DATE:	VERIFIED:	DATE:
		DRAWING No. 04-0001	

ROADWAY CONSTRUCTION LEGEND

	LAND LOT LINE
	LAND LOT NUMBER
	PROPERTY LINE
	PARCEL NUMBER
	REQUIRED R/W LINE
	REQUIRED R/W AND LIMIT OF ACCESS
	EXISTING R/W LINE
	R/W MARKER
	EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
	EASEMENT FOR THE CONSTRUCTION OF SLOPES
	EASEMENT FOR CONSTRUCTION & MAINTENANCE OF DRAINAGE
	EASEMENT FOR THE CONSTRUCTION OF DRIVEWAYS
	PROPOSED EDGE/PAVEMENT
	EXISTING EDGE/PAVEMENT
	EXISTING FENCE LINE
	PROPOSED FENCE LINE
	PROPOSED WALL
	PROPOSED CHANNEL RELOCATION
	EXISTING CREEK
	TOP OF CUT SLOPE
	TOE OF FILL SLOPE
	FLOW LINE
	PROPOSED BOX CULVERT
	EXISTING BOX CULVERT
	PROPOSED STORM DRAIN PIPE
	EXISTING STORM DRAIN PIPE
	FLARED END SECTION
	HEADWALL
	CONCRETE V-GUTTER
	PROPOSED SINGLE WING CATCH BASIN
	EXISTING SINGLE WING CATCH BASIN
	PROPOSED DOUBLE WING CATCH BASIN
	EXISTING DOUBLE WING CATCH BASIN
	PROPOSED GEORGIA D.O.T. DRAINAGE INLET
	EXISTING GEORGIA D.O.T. DRAINAGE INLET
	PROPOSED GEORGIA D.O.T. MANHOLE
	EXISTING GEORGIA D.O.T. MANHOLE
	DRAINAGE STRUCTURE NUMBER DESIGNATION
	GUARDRAIL
	PARKING LOT
	VALLEY GUTTER
	CONTROL POINT

UTILITY LEGEND

EXISTING OVERHEAD	OVERHEAD TO BE REMOVED	PROPOSED OVERHEAD	TYPE OF UTILITY
			ELECTRIC
			ELECTRIC/TELECOMMUNICATIONS
			ELECTRIC/CABLE TV
			ELECTRIC/TRAFFIC CONTROL
			ELECTRIC/TELECOMMUNICATIONS/CABLE TV
			ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
			ELECTRIC/CABLE TV/TRAFFIC CONTROL
			ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
			GUY WIRE
			TELECOMMUNICATIONS
			TELECOMMUNICATIONS/TRAFFIC CONTROL
			TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
			TELECOMMUNICATIONS/CABLE TV
			CABLE TV
			CABLE TV/TRAFFIC CONTROL
			TRAFFIC CONTROL

EXISTING UNDERGROUND	UNDERGROUND TO BE REMOVED	PROPOSED UNDERGROUND	TYPE OF UTILITY
			ELECTRIC
			TELECOMMUNICATIONS
			CABLE TV
			WATER
			WATER FOR LABELED PIPE SIZES
			NON-POTABLE WATER
			NON-POTABLE WATER FOR LABELED PIPE SIZES
			STEAM
			STEAM FOR LABELED PIPE SIZES
			SANITARY SEWER WITH FLOW DIRECTION
			SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION
			GAS
			GAS FOR LABELED PIPE SIZES
			PETROLEUM
			PETROLEUM FOR LABELED PIPE SIZES
			TRAFFIC CONTROL

UTILITY CELLS

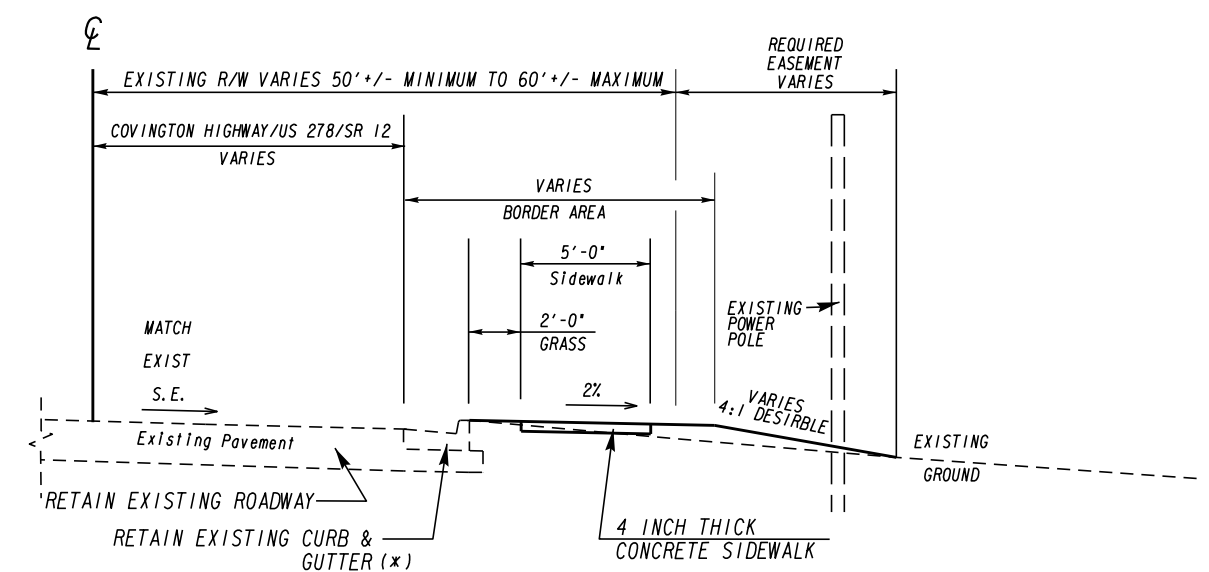
EXISTING	PROPOSED	TEMPORARY	DESCRIPTION
			ELECTRIC MANHOLE
			HAND HOLE
			TRANSFORMER
			ELECTRIC METER
			UTILITY POLE/GUY POLE
			LIGHT POLE
			GUY ANCHOR
			ELECTRIC BOX
			MARKER
			TELECOMMUNICATIONS MANHOLE
			TELECOMMUNICATIONS PEDESTAL
			SPLICE BOX
			SUBSCRIBER LOOP CARRIER (OR G "SLICK")
			CABINET
			PHONE BOOTH
			CABLE TV PEDESTAL
			CABLE TV MANHOLE
			WATER VALVE
			WATER METER
			WATER MANHOLE
			FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)
			BACKFLOW PREVENTER
			PRESSURE INDICATOR VALVE
			AIR RELEASE VALVE

EXISTING	PROPOSED	TEMPORARY	DESCRIPTION
			WELL
			WATER VAULT
			WATER VALVE MARKER
			STAND PIPE
			CLEANOUT
			SANITARY SEWER MANHOLE
			AIR RELEASE VALVE
			GREASE TRAP
			SANITARY SEWER FORCE MAIN VALVE
			VENT
			GAS VALVE
			GAS METER
			GAS MANHOLE
			GAS PRESSURE REGULATOR
			GAS VAULT
			GAS TEST STATION
			PETROLEUM VALVE

MISC.	DESCRIPTION
	LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION
	END OF INFORMATION
	QUALITY LEVEL (QL) DELINEATION
	POLE ID
	SANITARY SEWER MANHOLE (SSMH) ID

RKS&A
R.K. SHAH & ASSOCIATES, INC.
SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.

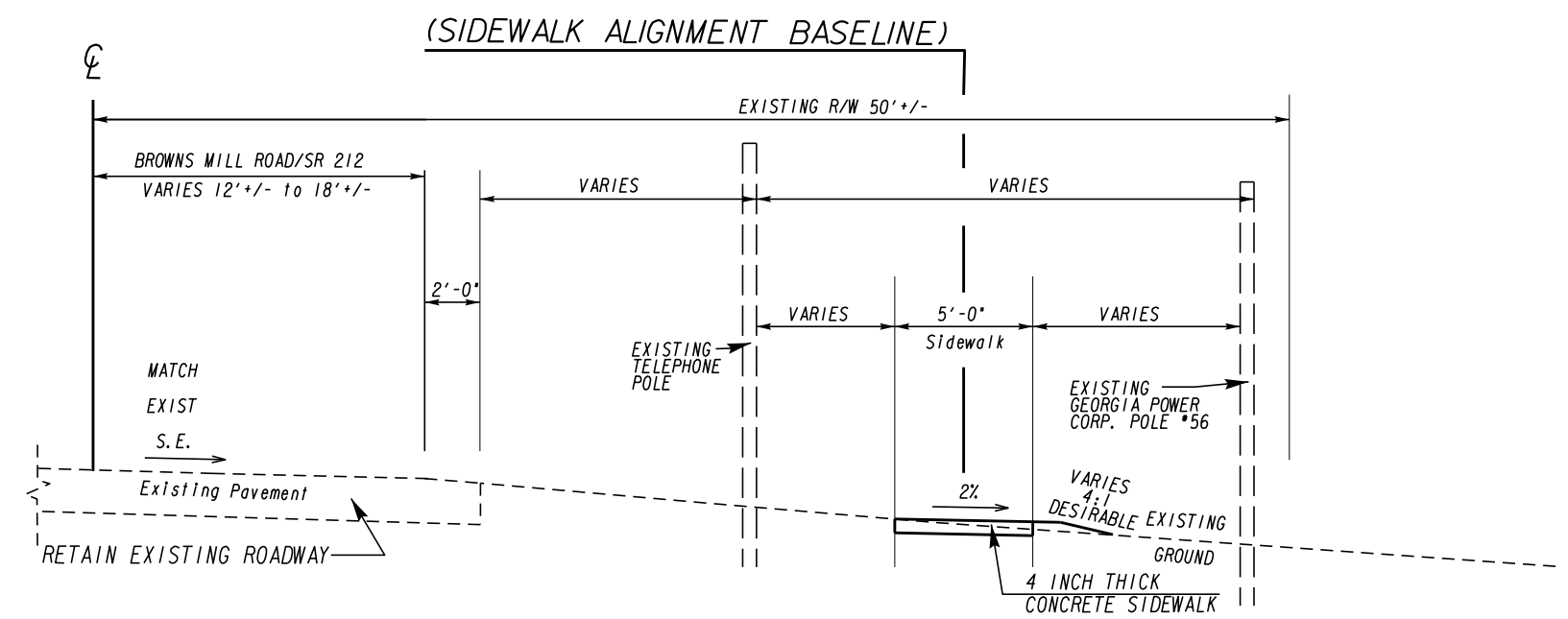
REVISION DATES		COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION #1) & BROWNS MILL ROAD/S.R. 212 (LOCATION #2) STANDARD LEGEND	
		CHECKED:	DATE:
		BACKCHECKED:	DATE:
		CORRECTED:	DATE:
		VERIFIED:	DATE:
		DRAWING No. 04-0005	



COVINGTON HIGHWAY/US 278/SR 12 (LOCATION #1) - M.P.# 5.75
 POSTED SPEED LIMIT 45 M.P.H.
 LOOKING EAST

TYPICAL SECTION N. T. S.

(*) REMOVE AND REPLACE EXISTING
 10 LF +/- 8"X30" TP 2 CONCRETE
 GUTTER - GA STD 9032B
 STA 22+78 +/- TO STA 22+88 +/-
 COVINGTON HIGHWAY/US 278/SR 12



BROWNS MILL ROAD/SR 212 (LOCATION #2) - M.P.# 2.50
 POSTED SPEED LIMIT 55 M.P.H.
 LOOKING SOUTH

TYPICAL SECTION N. T. S.

RKS&A
R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.

REVISION DATES		COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION #1) & BROWNS MILL ROAD/S.R. 212 (LOCATION #2) TYPICAL SECTION	
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	BACKCHECKED:	DATE:
CORRECTED:	DATE:	CORRECTED:	DATE:
VERIFIED:	DATE:	VERIFIED:	DATE:
		DRAWING No. 05-0001	

SURFACING QUANTITIES			LOC #1 (S.R. 12)	LOC #2 (S.R. 212)
ITEM NO.	ITEM DESCRIPTION	UNIT		
441-0104	CONC SIDEWALK, 4 IN	SY	425	350
441-0104A	CONC SIDEWALK, 4 IN STAMPED	SY	#REF!	#REF!
441-0108	CONC SIDEWALK, 8 IN	SY	33	0

DRAINAGE QUANTITIES-LOC #1(S.R. 12)			
ITEM NO.	ITEM DESCRIPTION	UNIT	QTY
500-3200	CLASS B CONCRETE	CY	4
550-1300	STM DR PIPE 30 IN ,H 1-10	LF	14
668-2100	DROP INLET, GP 1	EA	1

150-1000 - TRAFFIC CONTROL		
LOCATION	UNIT	QTY
LOC #1(S.R. 12)	LS	LUMP
LOC #2(S.R. 212)	LS	LUMP

653-1804 - THERMOPLASTIC SOLID TRAF STRIPE, 8", WHITE			
LOCATION	UNIT	QTY	
LOC #1(S.R. 12)	LF	200	

210-0100 - GRADING COMPLETE		
LOCATION	UNIT	QTY
LOC #1(S.R. 12)	LS	LUMP
LOC #2(S.R. 212)	LS	LUMP

PERMANENT EROSION CONTROL				LOC #1	LOC #2
ITEM NO	DESCRIPTION	UNIT	QTY	QTY	QTY
700-7300	SOD	SY	713	675	
710-9000	PERM SOIL REINF MAT	SY	100	0	

TEMPORARY EROSION QUANTITY				
ITEM NO.	ITEM DESCRIPTION	UNIT	LOC #1 (S.R. 12)	LOC #2 (S.R. 212)
163-0232	TEMPORARY GRASSING	TN	0	0
163-0240	MULCH	TN	3	3
163-0300	CONSTRUCTION EXIT	TN	1	1
163-0502	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 2	TN	1	0
163-0503	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	TN	1	0
163-0527	CONSTRUCT AND REMOVE RIP RAP CHECK DAMS, STONE PLAIN RIP RAP/SAN	GL	6	0
163-0550	CONS & REM INLET SEDIMENT TRAP	TN	1	0
165-0030	MAINT OF TEMP SILT FENCE, TP C	SY	414	326
165-0101	MAINT OF CONST EXIT	SY	1	1
165-0105	MAINT OF INLET SEDIMENT TRAP	SY	1	0
167-1000	WATER QUALITY MONITORING AND SAMPLING	SY	1	1
167-1500	WATER QUALITY INSPECTIONS	SY	3	3
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	827	651

COVINGTON HWY/U.S. 278/S.R. 12
(LOCATION #1)

BROWNS MILL ROAD/S.R. 212
(LOCATION #2)

* GRASSING AREA

* GRASSING AREA

713 SY
0.15 AC.

675 SY
0.14 AC.

* SHOWN FOR INFORMATION ONLY

* SHOWN FOR INFORMATION ONLY

RKS&A
R.K. SHAH & ASSOCIATES, INC.
SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.

REVISION DATES		COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION #1) & BROWNS MILL ROAD/S.R. 212 (LOCATION #2) SUMMARY QUANTITIES	
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	CORRECTED:	DATE:
CORRECTED:	DATE:	VERIFIED:	DATE:
		DRAWING No. 06-0001	

DETAILED ESTIMATE

ITEM #	DESCRIPTION	UNIT	PROJECT #1/SR 12/ LOCATION #1	PROJECT #2/SR 212/ LOCATION #2
			QUANTITY	QUANTITY
ROADWAY				
150-1000	TRAFFIC CONTROL -	LS	LUMP	LUMP
210-0100	GRADING COMPLETE -	LS	LUMP	LUMP
441-0104	CONC SIDEWALK, 4 IN	SY	425	350
441-0108	CONC SIDEWALK, 8 IN	SY	33	1
441-6222	CONCRETE CURB AND GUTTER, 8 IN x 30 IN, TP 2	LF	10	1
500-3200	CLASS B CONCRETE	CY	4	1
550-1300	STM DR PIPE 30 IN, H 1-10	LF	14	1
669-2100	DROP INLET GP1	EA	1	1
610-6515	REMOVE HIGHWAY SIGN-STD STA 21+78 +/-	EA	1	1
610-9000	REMOVE SIGN STA. 28+10 +/-	EA	1	1
610-9000	REMOVE SIGN STA. 28+48 +/-	EA	1	1
610-9000	REMOVE SIGN STA. 29+60 +/-	EA	1	1
610-9000	REMOVE SIGN STA. 29+68 +/-	EA	1	1
611-5360	RESET HIGHWAY SIGN-STD STA 21+78 +/-	EA	1	1
611-5500	REMOVE SIGN STA. 28+10 +/-	EA	1	1
611-5500	REMOVE SIGN STA. 28+48 +/-	EA	1	1
611-5500	REMOVE SIGN STA. 29+60 +/-	EA	1	1
611-5500	REMOVE SIGN STA. 29+68 +/-	EA	1	1
PERMANENT EROSION CONTROL				
700-9300	SOD	SY	713	675
710-9000	PERM SOIL REINFORCING MAT	SY	100	0
TEMPORARY EROSION CONTROL				
163-0232	TEMPORARY GRASSING	AC	1	1
163-0240	MULCH	TN	10	10
163-0300	CONSTRUCTION EXIT	EA	1	1
163-0502	CONSTRUCT AND REMOVE SILT CONTROL GATE TP 2	EA	1	0
163-0503	CONSTRUCT AND REMOVE SILT CONTROL GATE TP 23	EA	1	0
163-0527	CONSTRUCT AND REMOVE RIPRAP CHECK DAMS, STONE PLAIN RIPRAP/SAND BAGS	EA	6	0
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	1	0
165-0030	MAINT OF TEMP SILT FENCE, TP C	LF	414	326
165-0101	MAINT OF CONST EXIT	EA	1	1
165-0105	MAINT OF INLET SEDIMENT TRAP	EA	1	0
167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	1	1
167-1500	WATER QUALITY INSPECTIONS	MO	3	3
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	827	651
SIGNING AND MARKING				
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8", WHITE	LF	200	0
999-5200	DETECTABLE WARNING SURFACE	SF	8	0
UTILITY ADJUSTMENT				
611-8055	ADJUST MINOR STRUCTURE TO GRADE- PULL BOX	EA	3	0
611-8140	ADJUST WATER VALVE BOX TO GRADE	EA	3	0
670-9710	RELOCATE EXISTING FIRE HYDRANT	EA	1	0

COVINGTON HWY/U.S. 278/S.R. 12
(LOCATION #1)

BROWNS MILL ROAD/S.R. 212
(LOCATION #2)

* EARTHWORK
CU. YDS. NEAT VOLUME
UNCLASSIFIED = 50
EMBANKMENT = 5

* EARTHWORK
CU. YDS. NEAT VOLUME
UNCLASSIFIED = 5
EMBANKMENT = 30

* SHOWN FOR
INFORMATION ONLY

* SHOWN FOR
INFORMATION ONLY

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R.K. SHAH & ASSOCIATES, INC.
SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.

REVISION DATES

**COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION #1)
&
BROWNS MILL ROAD/S.R. 212 (LOCATION #2)
DETAILED ESTIMATE**

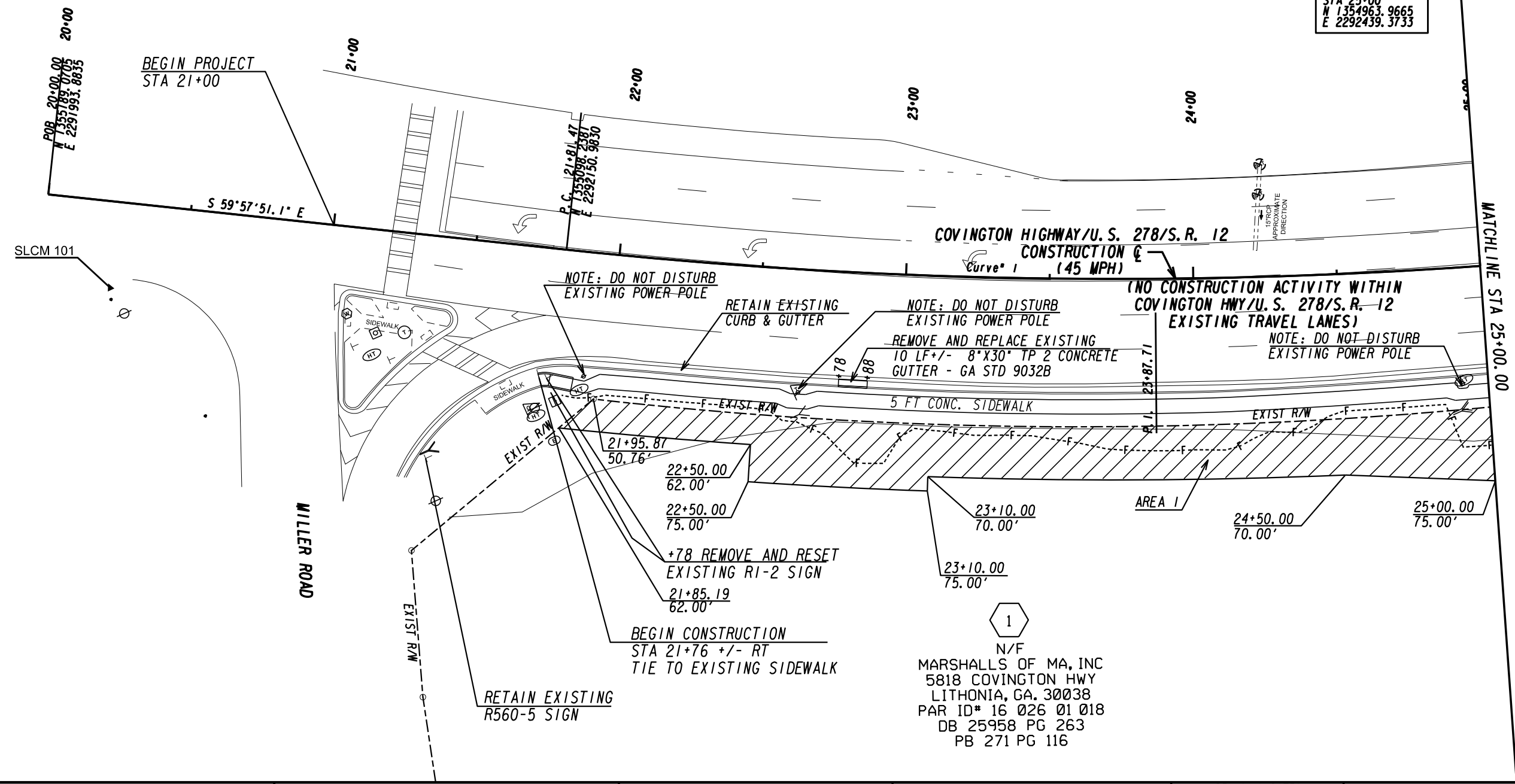
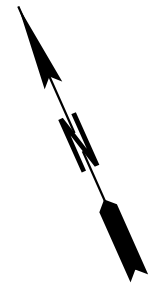
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	09-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

SLCM 101
N: 1355151.03
E: 2292000.36
ELEV: 938.62

EXISTING PAVEMENT MARKINGS
ARE SHOWN FOR INFORMATION
ONLY

Curve 1
PI Sta: 23+87.71
N: 1354995.0041
E: 2292329.5318
DELTA: 13°04'22.6" (LT)
D: 03°10'59.16"
T: 206.24
L: 410.70
R: 1800.00
E: 11.78
D.S.: 0

STA 25+00
N: 1354963.9665
E: 2292439.3733

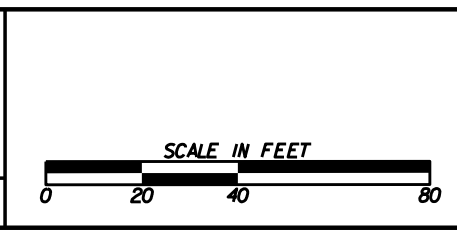


PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▩
EASEMENT FOR CONSTR OF DRIVES	▧
EASEMENT FOR THE CONSTRUCTION AND MAINTENANCE OF DRAINAGE	▦

BEGIN LIMIT OF ACCESS...BLA	---
LIMIT OF ACCESS	---
RED'D R/W & LIMIT OF ACCESS	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---
LAND LOT LINE	---
LAND LOT NUMBER	Ⓛ
PARCEL NUMBER	Ⓜ
R/W MARKER	Ⓢ

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R.K. SHAH & ASSOCIATES, INC.

SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES	

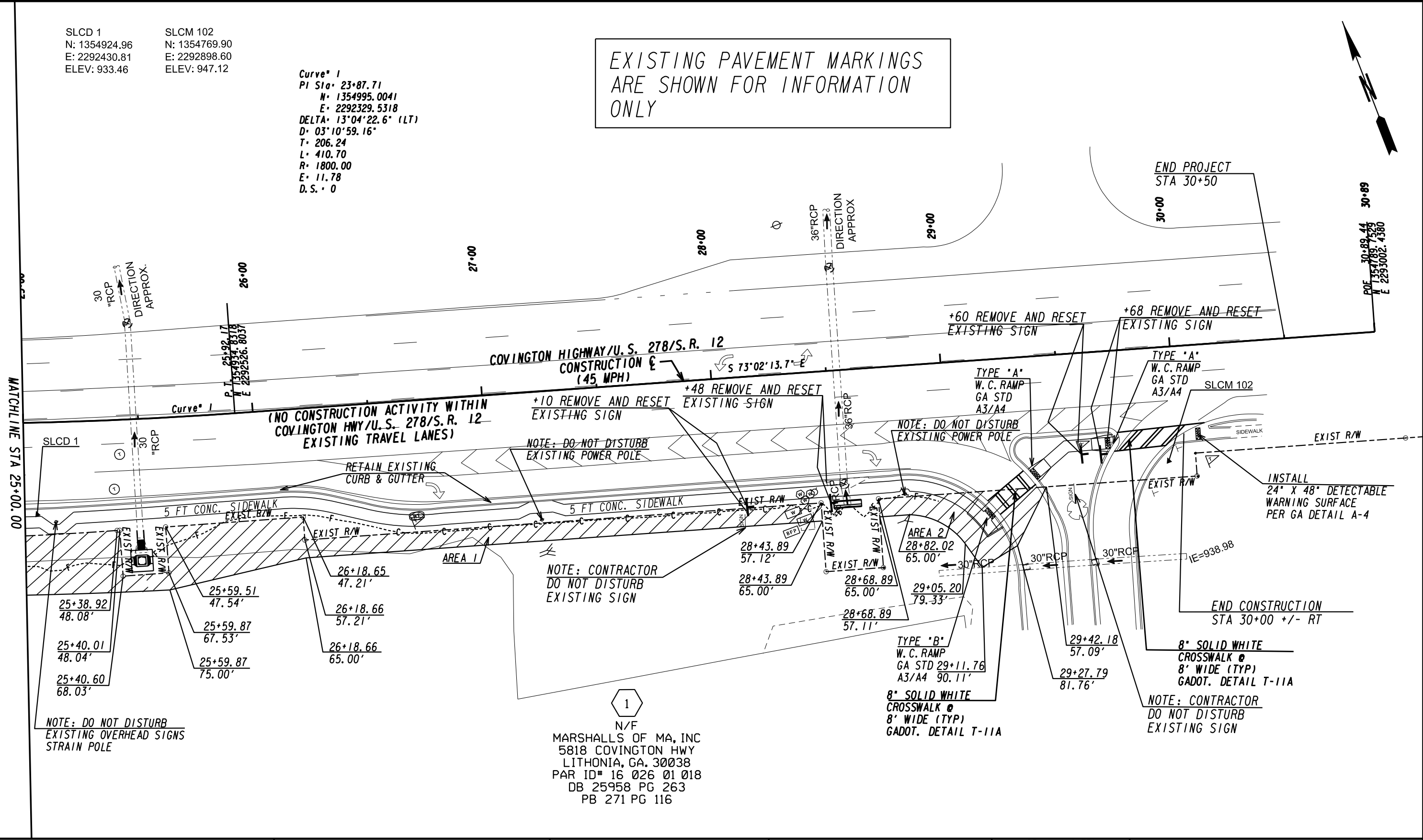
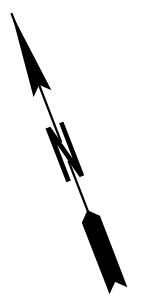
Covington Highway/U.S. 278/S.R. 12
CONSTRUCTION PLAN
BEGIN PROJECT TO STA 25+00.00
(LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

SLCD 1 N: 1354924.96 E: 2292430.81 ELEV: 933.46
SLCM 102 N: 1354769.90 E: 2292898.60 ELEV: 947.12

Curve # 1
PI Sta: 23+87.71
N: 1354995.0041
E: 2292329.5318
DELTA: 13°04'22.6" (LT)
D: 03°10'59.16"
T: 206.24
L: 410.70
R: 1800.00
E: 11.78
D.S.: 0

EXISTING PAVEMENT MARKINGS ARE SHOWN FOR INFORMATION ONLY

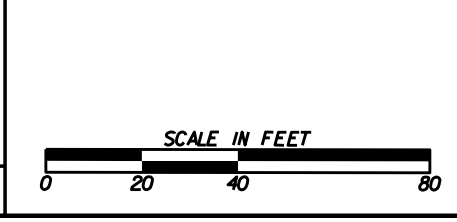


1
N/F
MARSHALLS OF MA, INC
5818 COVINGTON HWY
LITHONIA, GA. 30038
PAR ID# 16 026 01 018
DB 25958 PG 263
PB 271 PG 116

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	---
EASEMENT FOR THE CONSTRUCTION AND MAINTENANCE OF DRAINAGE	---

BEGIN LIMIT OF ACCESS...BLA	---
END LIMIT OF ACCESS...ELA	---
LIMIT OF ACCESS	---
RED'D R/W & LIMIT OF ACCESS	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---
LAND LOT LINE	---
LAND LOT NUMBER	---
PARCEL NUMBER	---
R/W MARKER	---

RKS&A
R.K. SHAH & ASSOCIATES, INC.
SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.



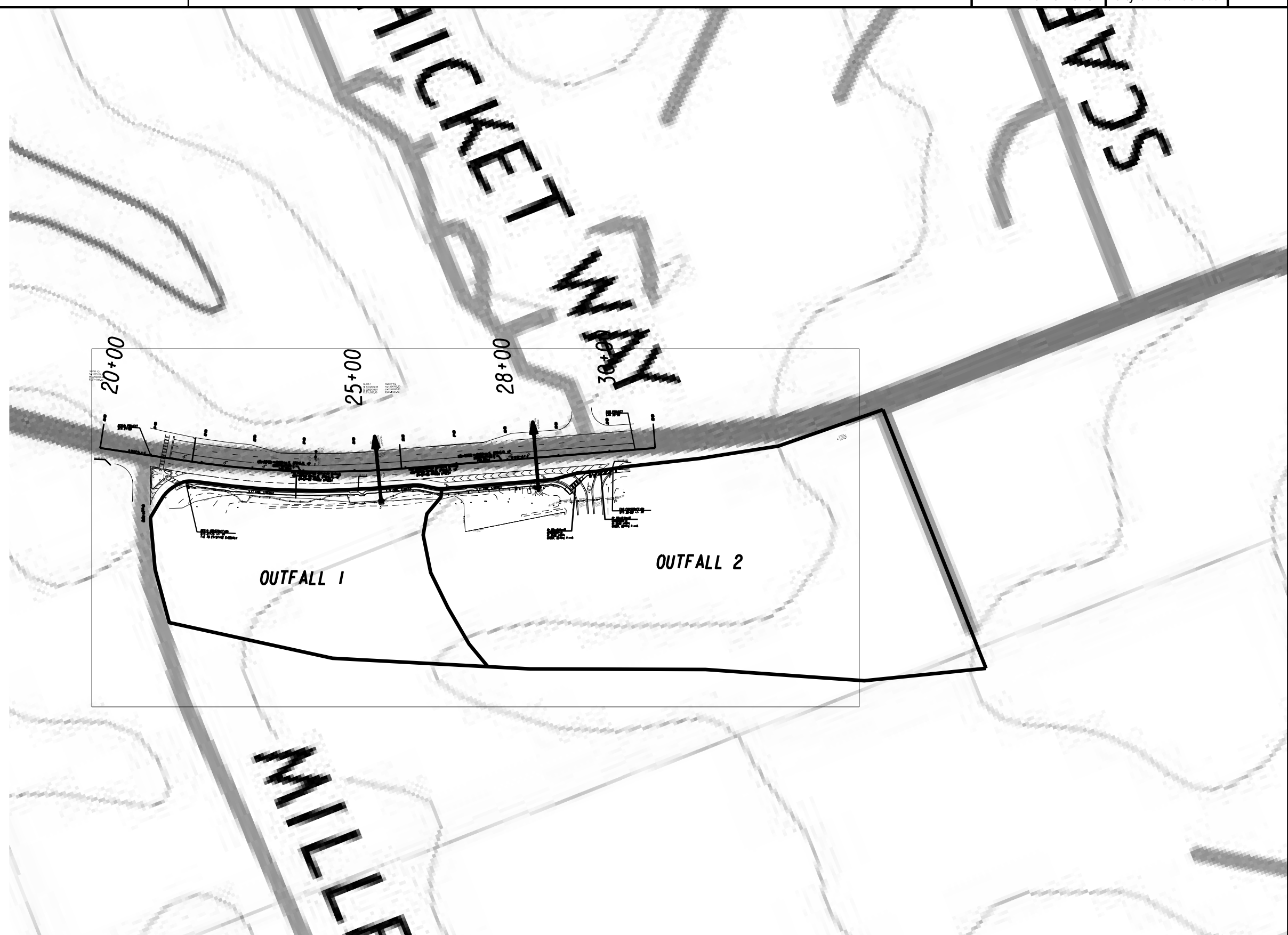
REVISION DATES	

Covington Highway/U.S. 278/S.R. 12
CONSTRUCTION PLAN
STA 25+00.00 TO END PROJECT
(LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

Covington Hwy/SR 12/US 278

Runoff Calcs			
Pre		Post	
Outfall 1 Areas(ac)			
subarea	size	subarea	size
0.98	0.05	0.98	0.16
0.76	3.96	0.76	3.85
Total	4.01	Total	4.01
Rational Coefficient			
c=	0.760	c=	0.770
Flows(cfs)			
i10 = 4.66			
Q10=	14.20	Q10=	14.39
i50 = 6.19			
Q50=	18.86	Q50=	19.11
i100 = 6.87			
Q100=	20.94	Q100=	21.21
Outfall 2 Areas(ac)			
subarea	size	subarea	size
0.98	0.10	0.98	0.18
0.76	9.29	0.76	9.21
Total	9.39	Total	9.39
Rational Coefficient			
c=	0.760	c=	0.760
Flows(cfs)			
i10 = 4.66			
Q10=	33.26	Q10=	33.26
i50 = 6.19			
Q50=	44.17	Q50=	44.17
i100 = 6.87			
Q100=	49.03	Q100=	49.03



DISTURBED AREA • 0.235 ac.
PROJECT AREA • 0.741 ac.

R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES	

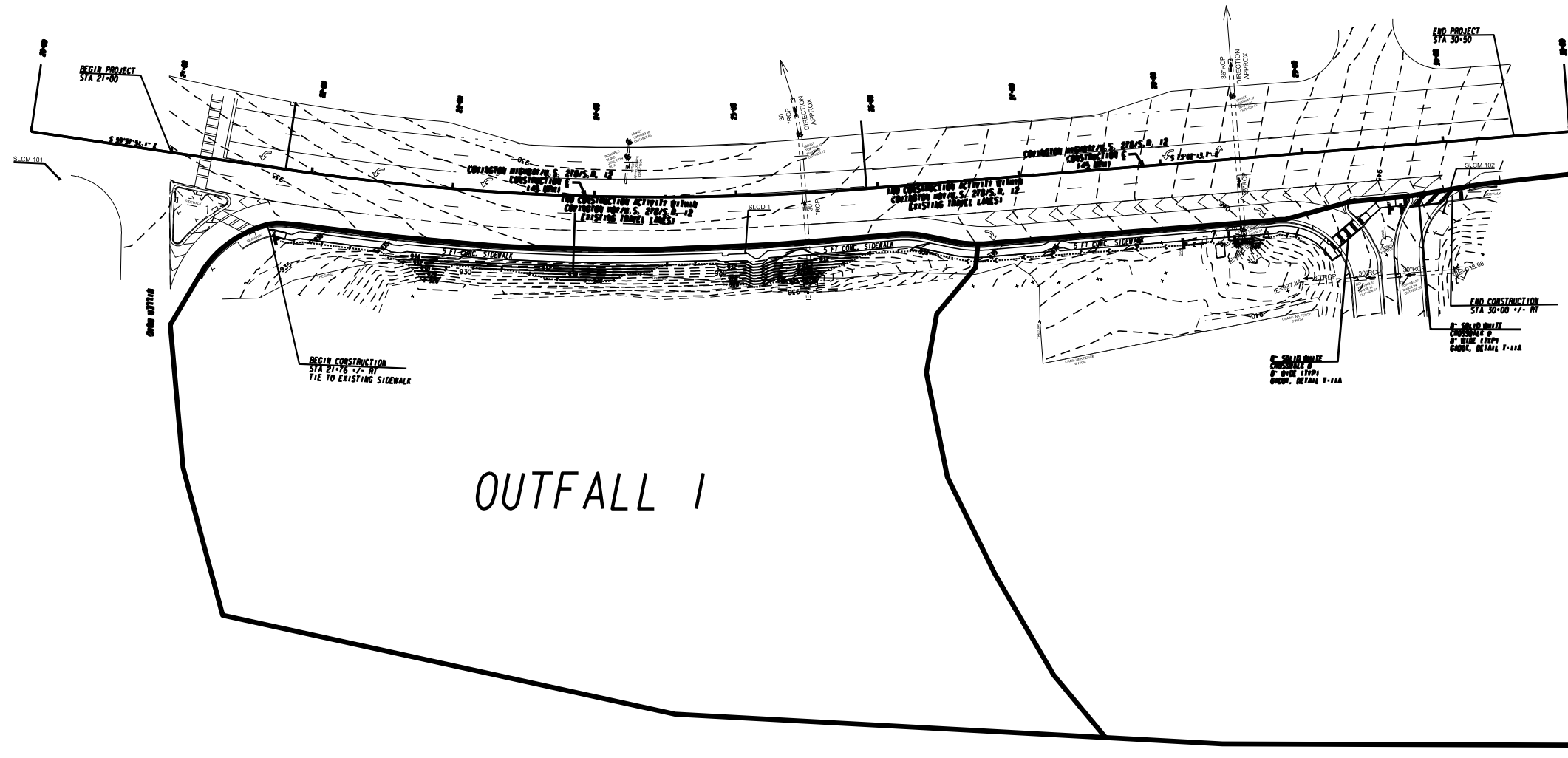
Covington Highway/U.S. 278/S.R. 12
DRAINAGE AREA MAP

(LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	21- 0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

SLCM 101
N: 1358151.23
E: 2292000.36
ELEV: 936.62

SLCD 1 SLCM 102
N: 1354824.96 N: 1354769.90
E: 2292430.81 E: 2292898.60
ELEV: 933.46 ELEV: 947.12



OUTFALL 1

OUTFALL 2

DISTURBED AREA : 0.235 ac.
PROJECT AREA : 0.741 ac.


R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.

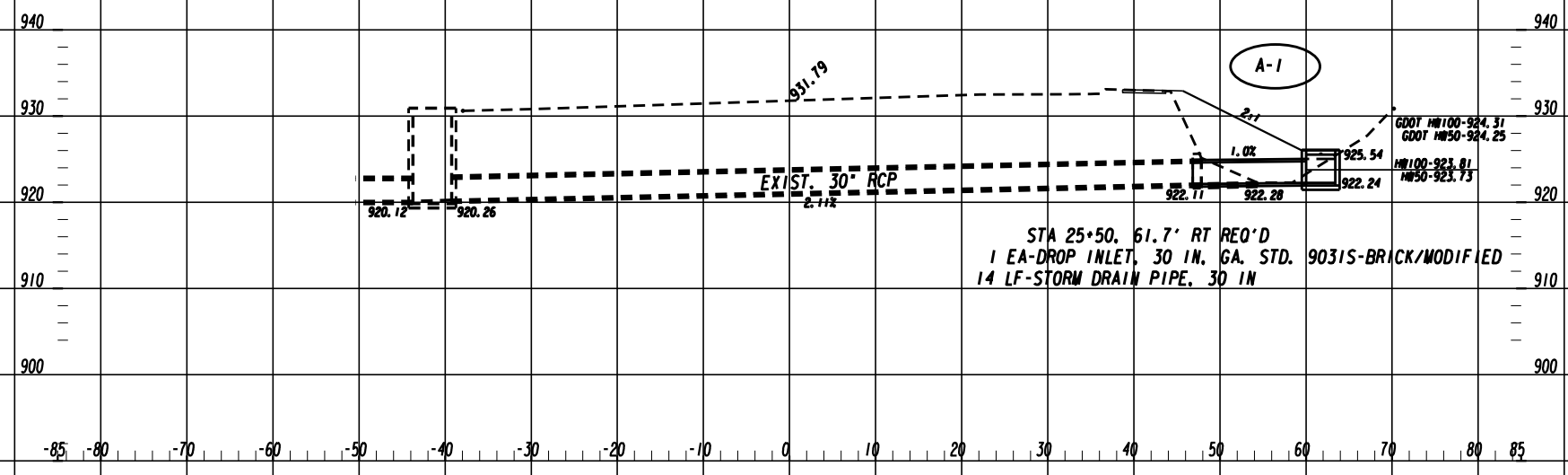
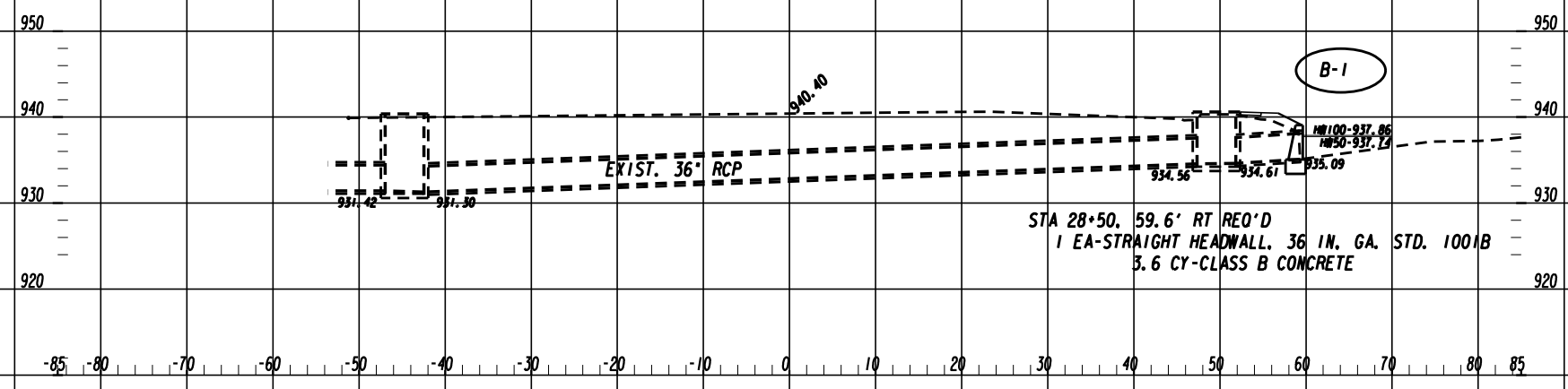


REVISION DATES	

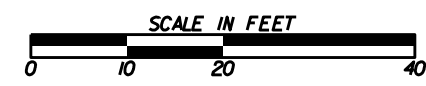
**Covington Highway/U.S. 278/S.R. 12
DRAINAGE AREA MAP**

(LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	21-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



RKS&A
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RAJENDRAKUMAR K. SHAH, P.E.

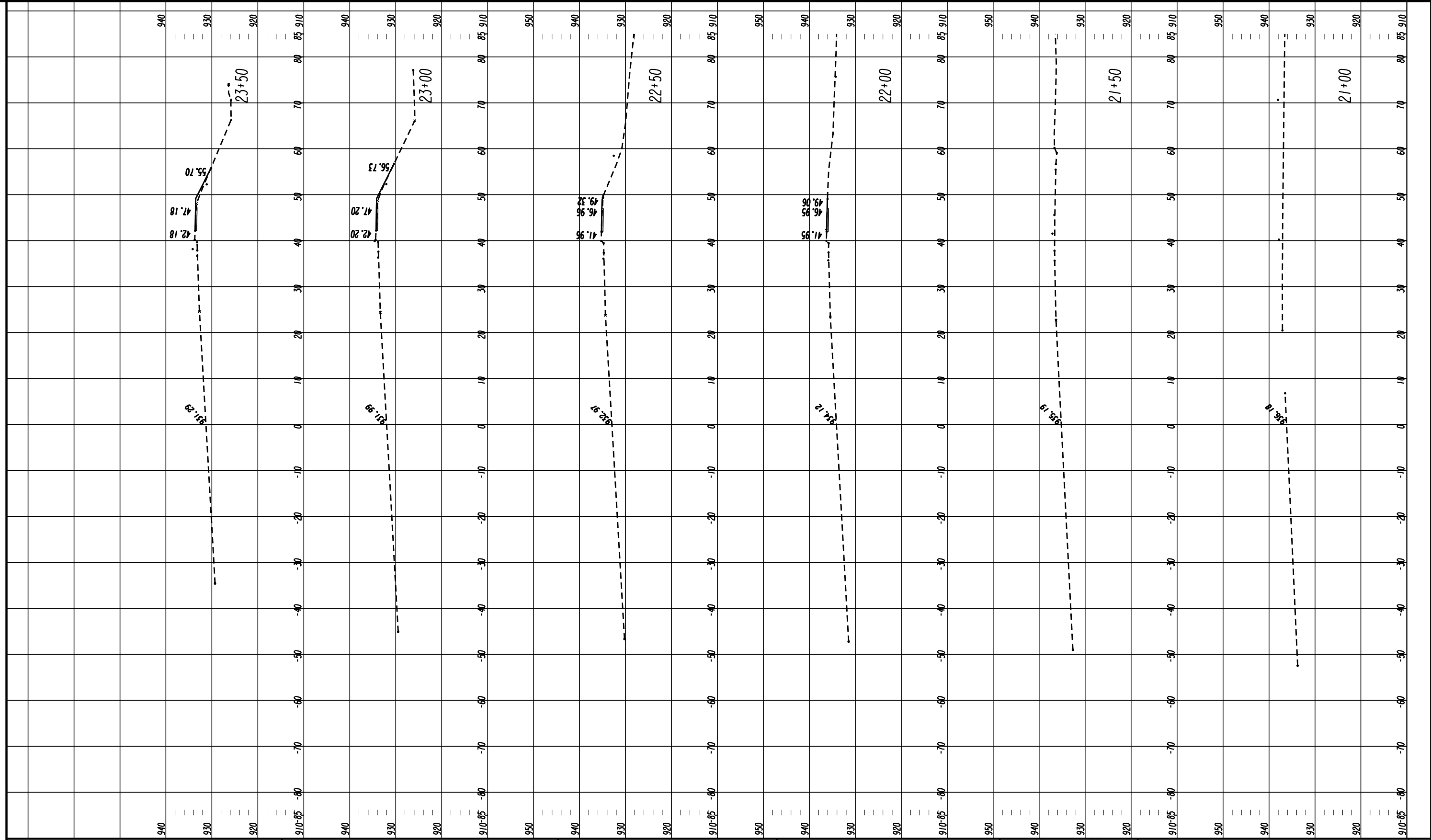


REVISION DATES	

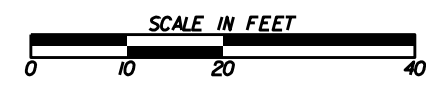
**Covington Highway/U.S. 278/S.R. 12
DRAINAGE PROFILES**

(LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	22-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



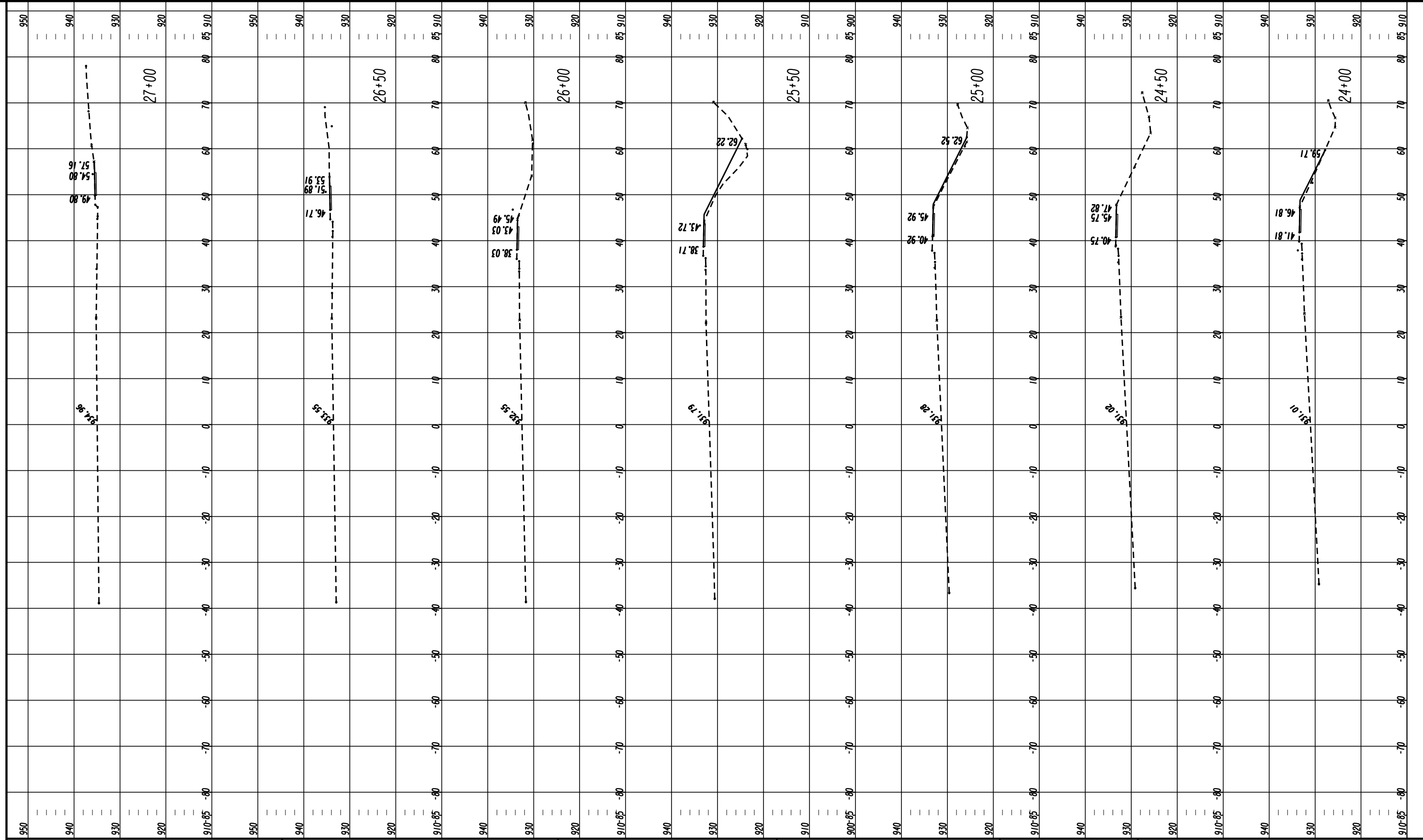
RKS&A
R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.



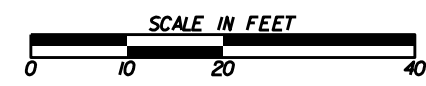
REVISION DATES	

Covington Highway/U. S. 278/S. R. 12
EARTHWORK CROSS SECTIONS
 (LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	23-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



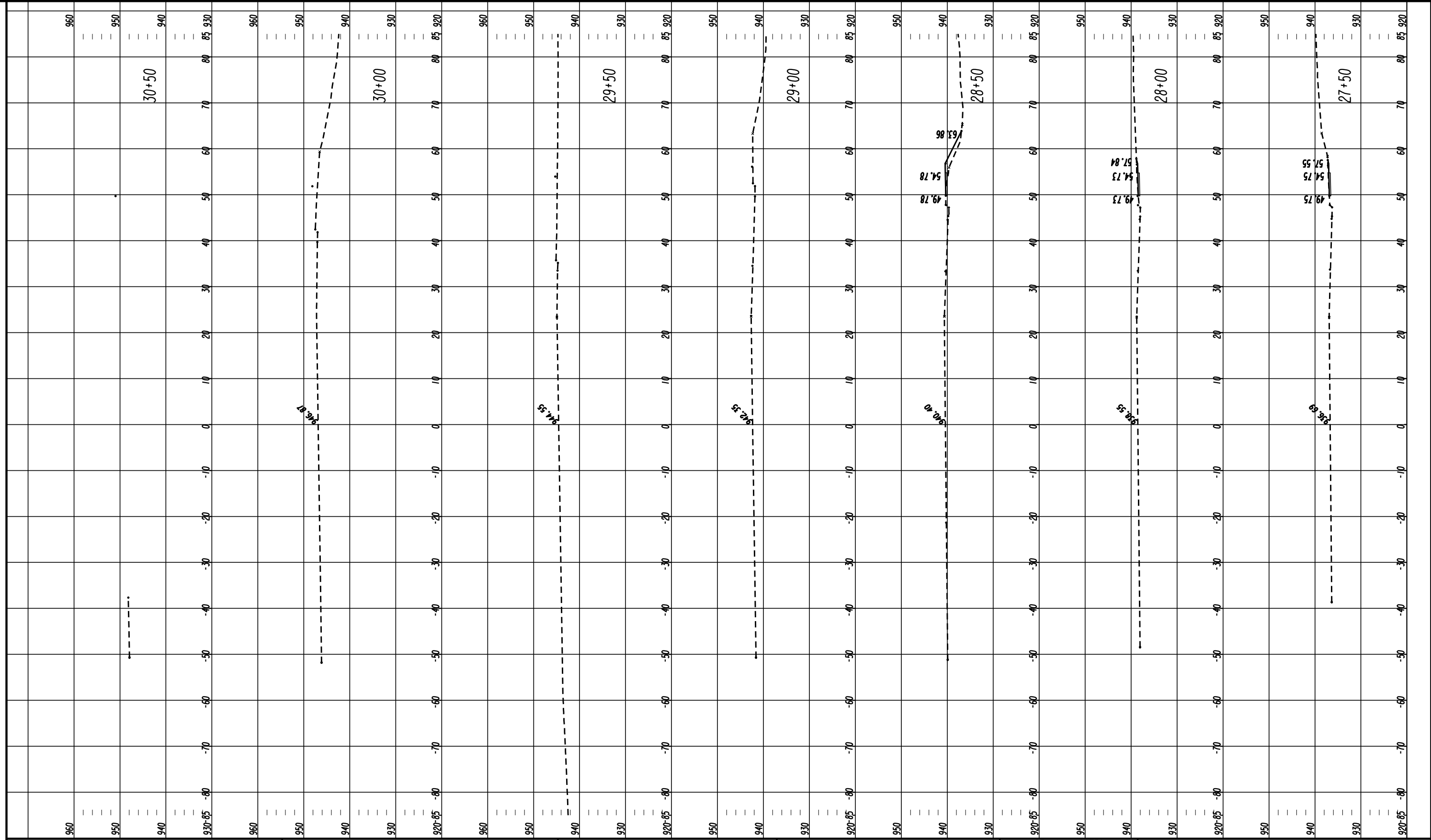
RKS&A
R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.



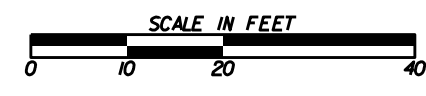
REVISION DATES	

Covington Highway/U. S. 278/S. R. 12
EARTHWORK CROSS SECTIONS
 (LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	23-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	




R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.

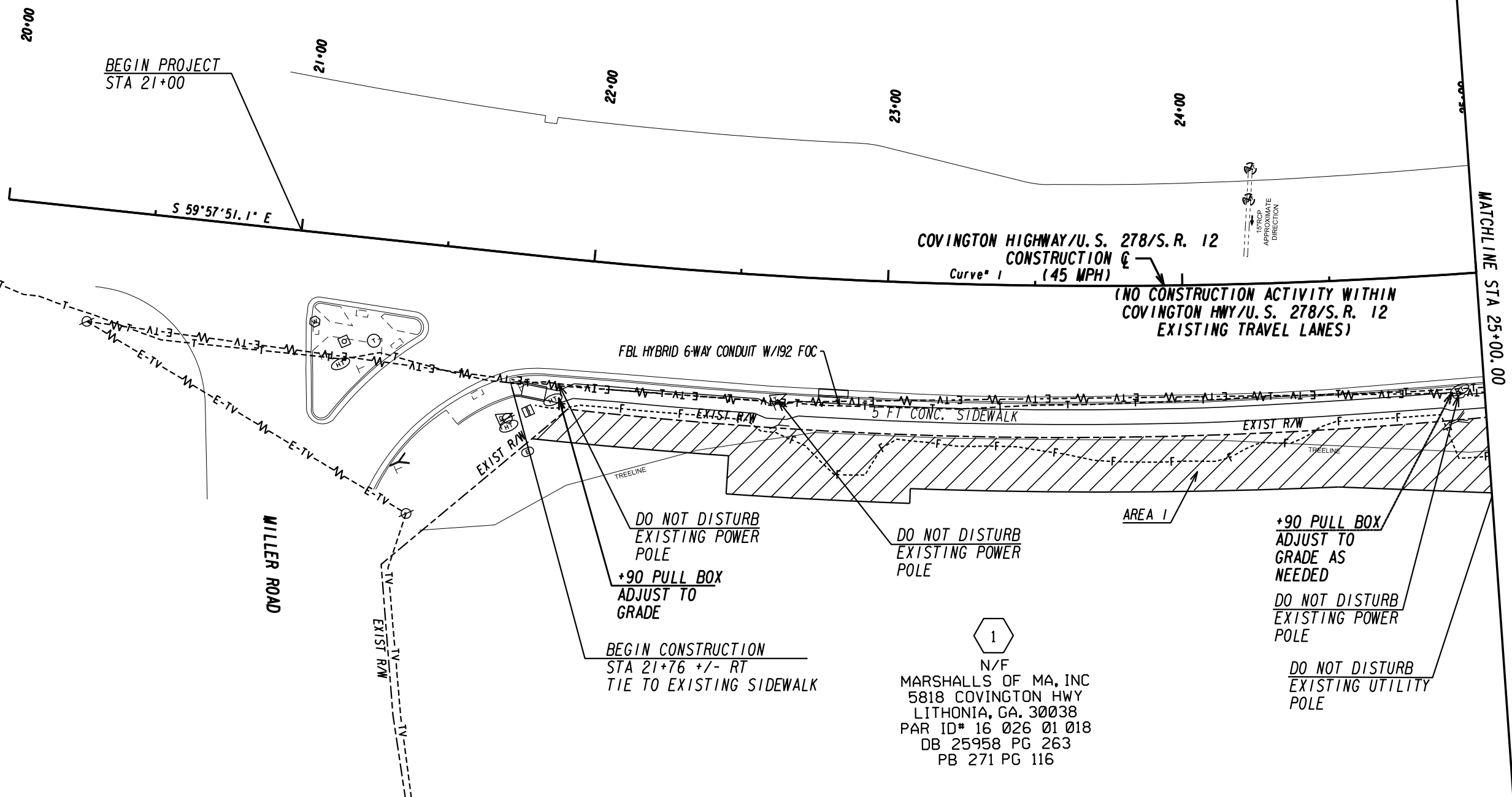
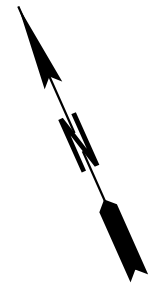


REVISION DATES	

Covington Highway/U.S. 278/S.R. 12
EARTHWORK CROSS SECTIONS
 (LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	23-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

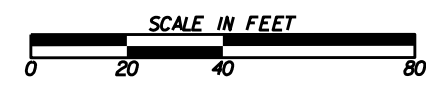
Curve* 1
 PI Sta* 23+87.71
 N* 1354995.0041
 E* 2292329.5318
 DELTA* 13°04'22.6" (LT)
 D* 03°10'59.16"
 T* 206.24
 L* 410.70
 R* 1800.00
 E* 11.78
 D.S.* 0



BEGIN CONSTRUCTION
 STA 21+76 +/- RT
 TIE TO EXISTING SIDEWALK

1
 N/F
 MARSHALLS OF MA, INC
 5818 COVINGTON HWY
 LITHONIA, GA. 30038
 PAR ID# 16 026 01 018
 DB 25958 PG 263
 PB 271 PG 116

RKS&A
R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.

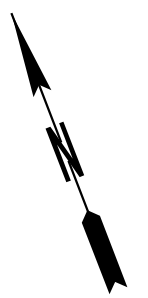


REVISION DATES	

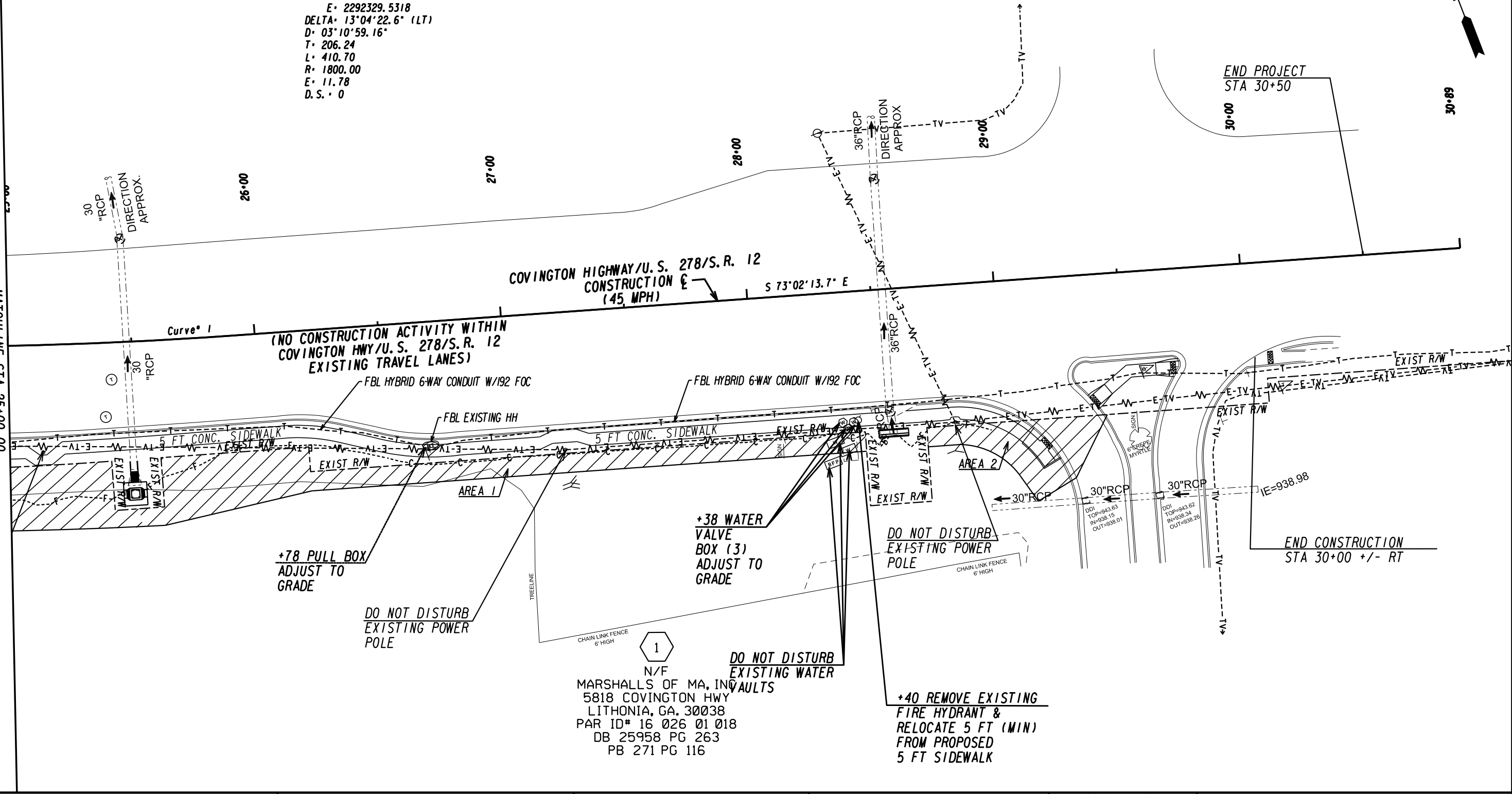
**Covington Highway/U.S. 278/S.R. 12
 UTILITY PLANS
 BEGIN PROJECT TO STA 25+00.00
 (LOCATION #1)**

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

Curve # 1
 PI Sta. 23+87.71
 N= 1354995.0041
 E= 2292329.5318
 DELTA= 13°04'22.6" (LT)
 D= 03°10'59.16"
 T= 206.24
 L= 410.70
 R= 1800.00
 E= 11.78
 D.S.= 0



MATCHLINE STA 25+00.00



+78 PULL BOX
 ADJUST TO GRADE

DO NOT DISTURB
 EXISTING POWER
 POLE

+38 WATER
 VALVE
 BOX (3)
 ADJUST TO
 GRADE

DO NOT DISTURB
 EXISTING POWER
 POLE

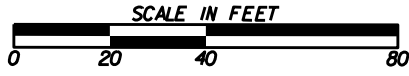
DO NOT DISTURB
 EXISTING WATER
 VAULTS

1
 N/F
 MARSHALLS OF MA, INC.
 5818 COVINGTON HWY
 LITHONIA, GA. 30038
 PAR ID# 16 026 01 018
 DB 25958 PG 263
 PB 271 PG 116

+40 REMOVE EXISTING
 FIRE HYDRANT &
 RELOCATE 5 FT (MIN)
 FROM PROPOSED
 5 FT SIDEWALK

RKS&A
R.K. SHAH & ASSOCIATES, INC.

SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES	

**Covington Highway/U.S. 278/S.R. 12
 UTILITY PLANS
 STA 25+00.00 TO END PROJECT
 (LOCATION #1)**

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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 	
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.
		SYMBOL Ds1	THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
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.
		SYMBOL Ds2	THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.

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.
		PATTERN Ds4	THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
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 Sb	

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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'.



NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 1 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
			DRAWING No.
			52-0001

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 	
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-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-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 SPLASHPAD. 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 	

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 	
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 f.p.s. 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 	

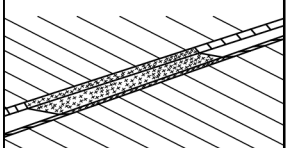
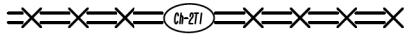
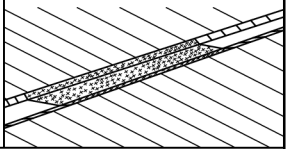
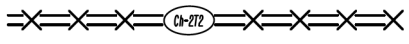
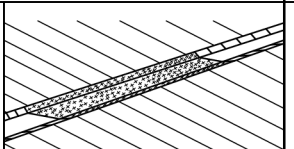
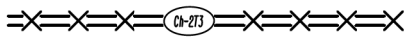
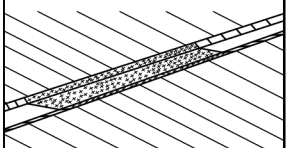
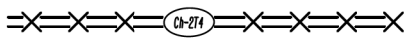
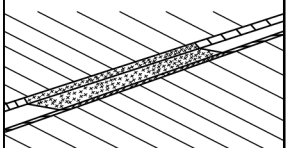
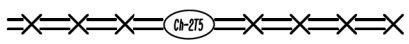
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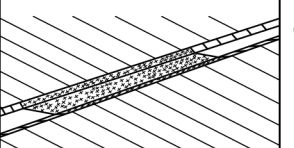
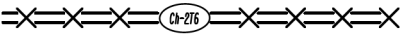
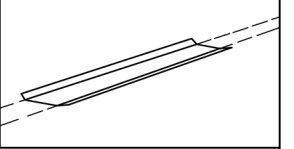
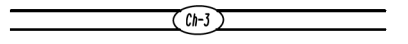
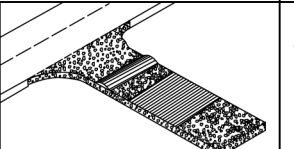

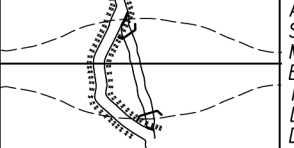
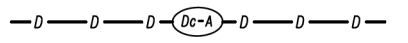
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S,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



NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
11/28/2018		SHEET 2 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
			DRAWING No.
			52-0002

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441		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.
	LINE CODE		
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800		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.
	SYMBOL		
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		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 Sd1-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.
	LINE CODE		

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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'.



NO SCALE

REVISION DATES	
3/2/2017	

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 3 OF 7

CHECKED: D. EAGLETON	DATE: 01/01/16	DRAWING No.
BACKCHECKED:	DATE:	
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GDOT P. I. No. LOCATION #1

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		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 Sd1-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.
	LINE CODE 		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		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 Sd1-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.
	LINE CODE 		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
DI-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		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 *Dn1* OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE 		
DI-2	DIVERSION CHANNEL SECTION 205		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.
	LINE CODE 		RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		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'.
	LINE CODE 		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		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).
	LINE CODE 		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		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).
	LINE CODE 		
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TPI, 9017J TPI, DETAIL D-26 TPI SECTION 576, 577		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).
	LINE CODE 		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		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).
	LINE CODE 		

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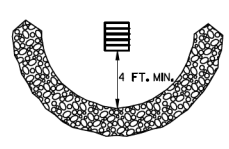

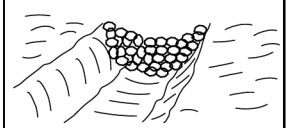





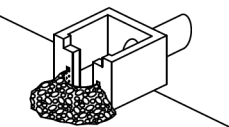

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S,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

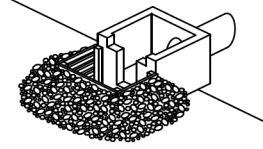







7/31/2015 GPLM



NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 4 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
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VERIFIED:		DATE:	
		DRAWING No. 52-0004	

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 		
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-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-1 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 		

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-Sg1	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		
Rt-Sg2				SYMBOL	
Rt-Sg3					
Sd1-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 				
Sd1-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:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".



NO SCALE


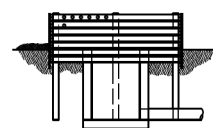

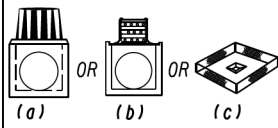

REVISION DATES

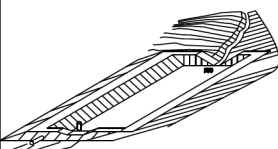
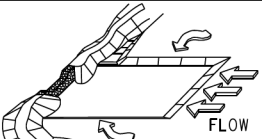
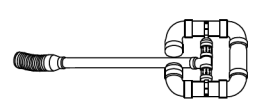
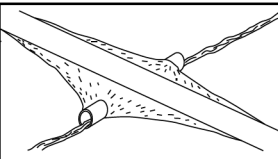
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EROSION CONTROL LEGEND

UNIFORM CODE SHEET
SHEET 5 OF 7

CHECKED: D. EAGLETON	DATE: 01/01/16	DRAWING No.
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VERIFIED:	DATE:	52-0005

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		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.
		LINE CODE * * * (Sd1-BB) * * *	
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		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.
		SYMBOL (Sd2-B)	
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		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.
		SYMBOL (Sd2-Bg)	
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163		(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.
		SYMBOL (Sd2-F)	
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		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.
		SYMBOL (Sd2-G)	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		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.
		SYMBOL (Sd3)	
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		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.
		SYMBOL (Sd4-C)	
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		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.
		SYMBOL (Sk)	
Sr	TEMPORARY STREAM CROSSING SECTION 107		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!
		SYMBOL (Sr)	

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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'.



NO SCALE



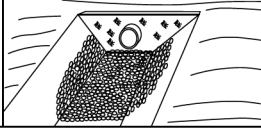

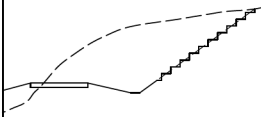
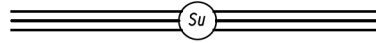
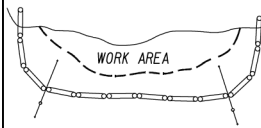

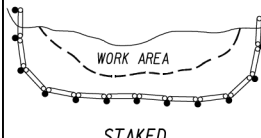
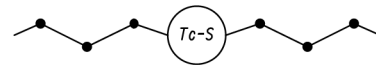
REVISION DATES

3/2/2017		
11/28/2018		

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 6 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
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52-0006

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		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.
		SYMBOL 	
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		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 \geq 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 \geq 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.
		PATTERN 	
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205		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.
		LINE CODE 	
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170		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.
		LINE CODE 	
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170		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.
		LINE CODE 	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

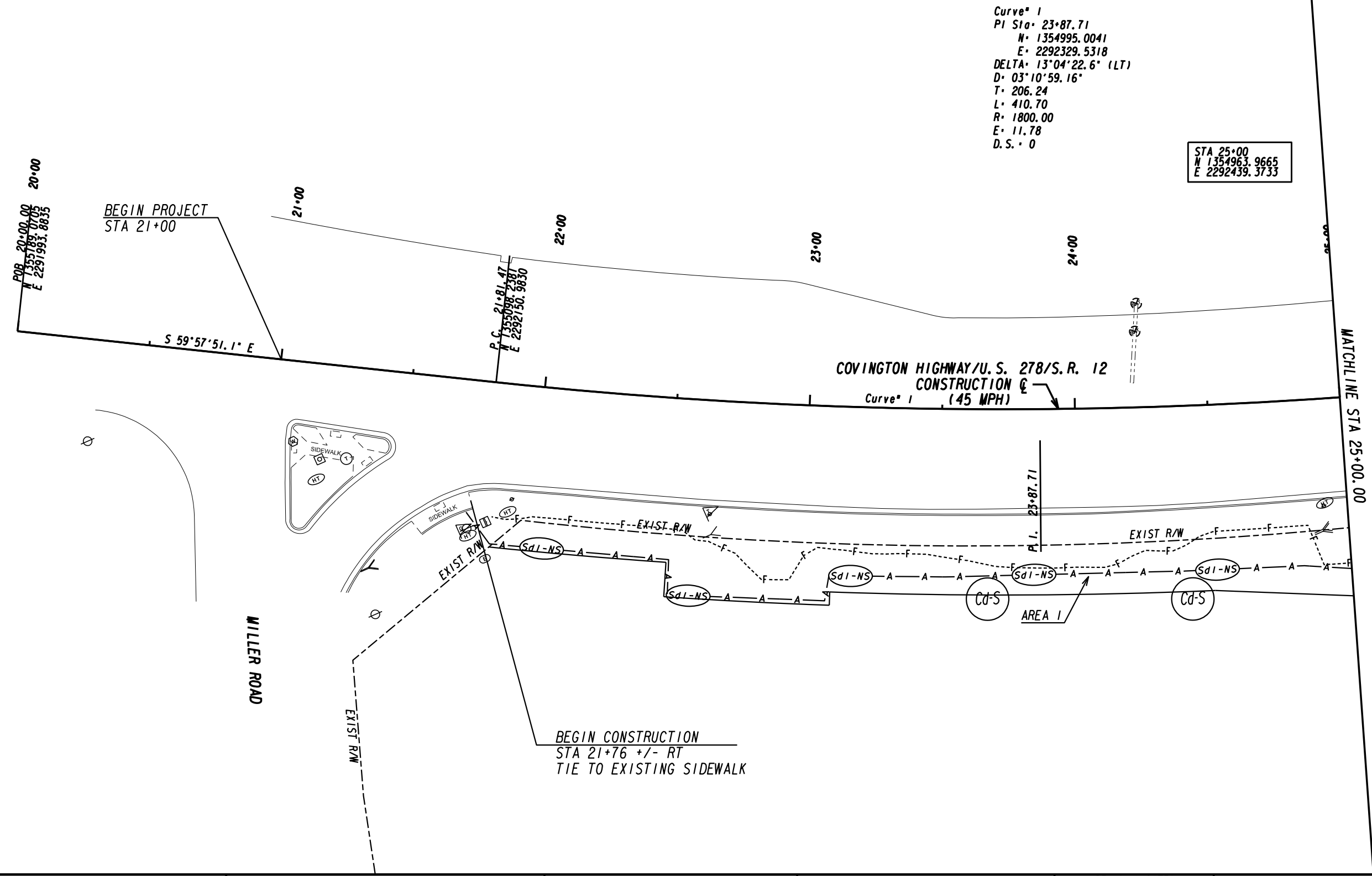
NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".

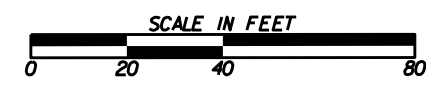


NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 7 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.		52-0007	



RKS&A
R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.

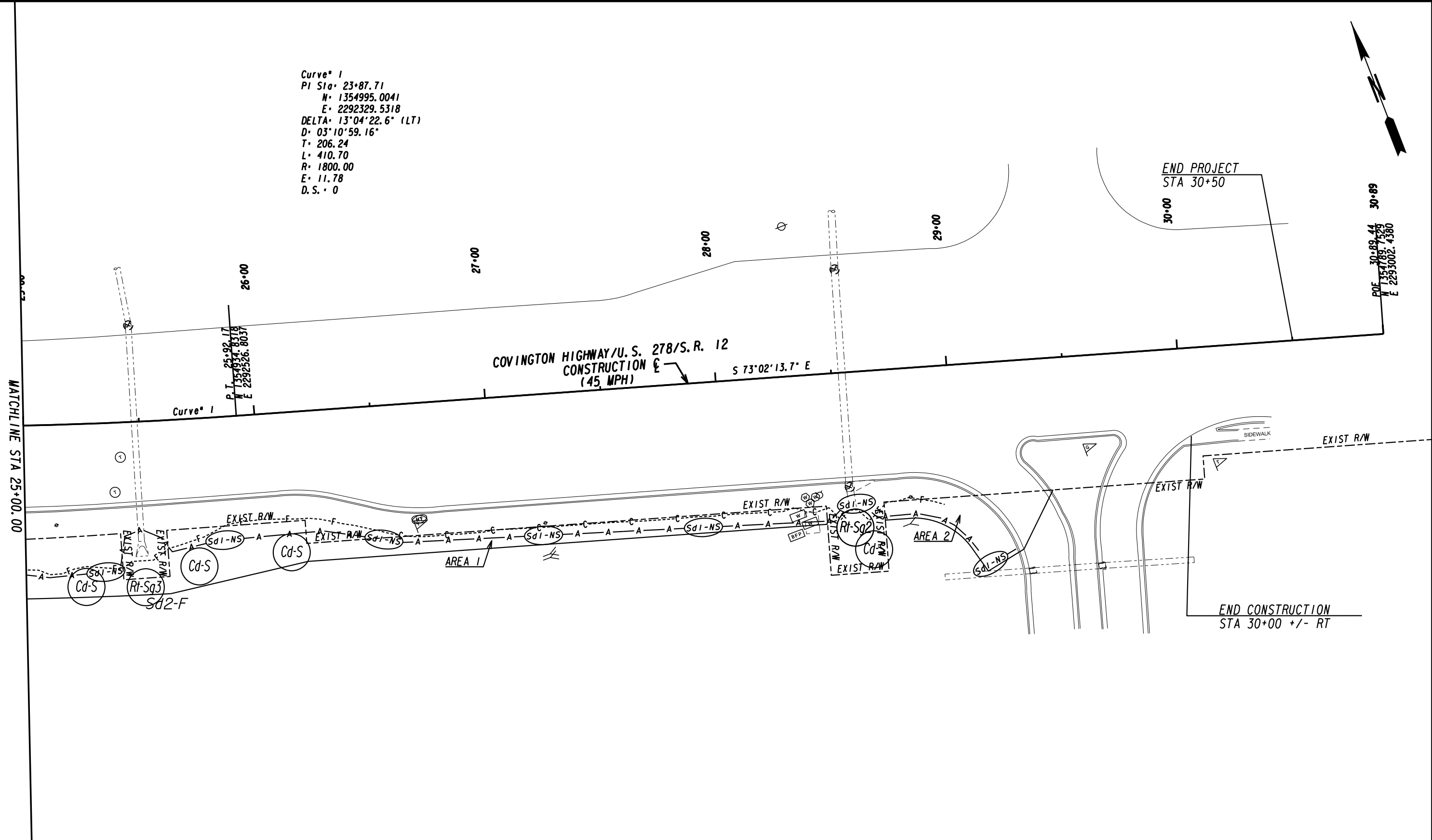
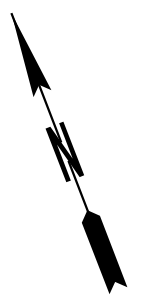


REVISION DATES	

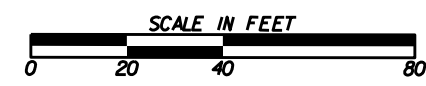
Covington Highway/U.S. 278/S.R. 12
BMP LOCATION DETAILS
 BEGIN PROJECT TO STA 25+00.00
 (LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

Curve 1
 PI Sta. 23+87.71
 N= 1354995.0041
 E= 2292329.5318
 DELTA= 13°04'22.6" (LT)
 D= 03°10'59.16"
 T= 206.24
 L= 410.70
 R= 1800.00
 E= 11.78
 D.S.= 0



RKS&A
R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.

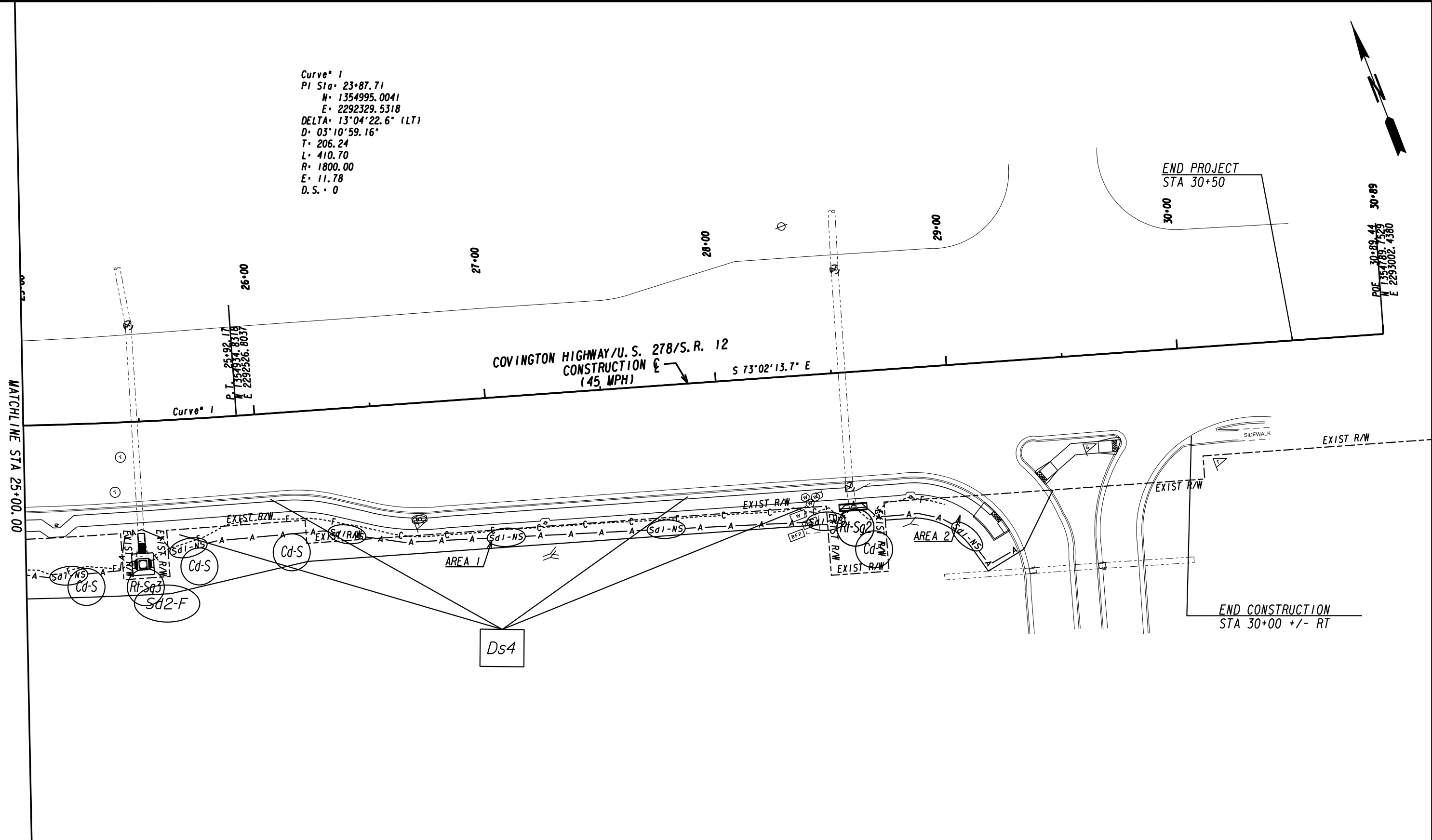


REVISION DATES	

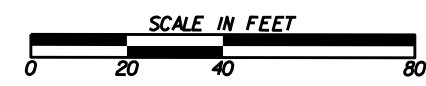
Covington Highway/U.S. 278/S.R. 12
BMP LOCATION DETAILS
STA 25+00.00 TO END PROJECT
(LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

Curve 1
 PI Sta. 23+87.71
 N= 1354995.0041
 E= 2292329.5318
 DELTA= 13°04'22.6" (LT)
 D= 03°10'59.16"
 T= 206.24
 L= 410.70
 R= 1800.00
 E= 11.78
 D.S.= 0



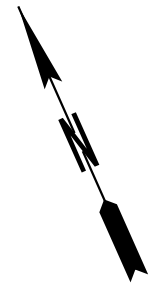
RKS&A
R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES	

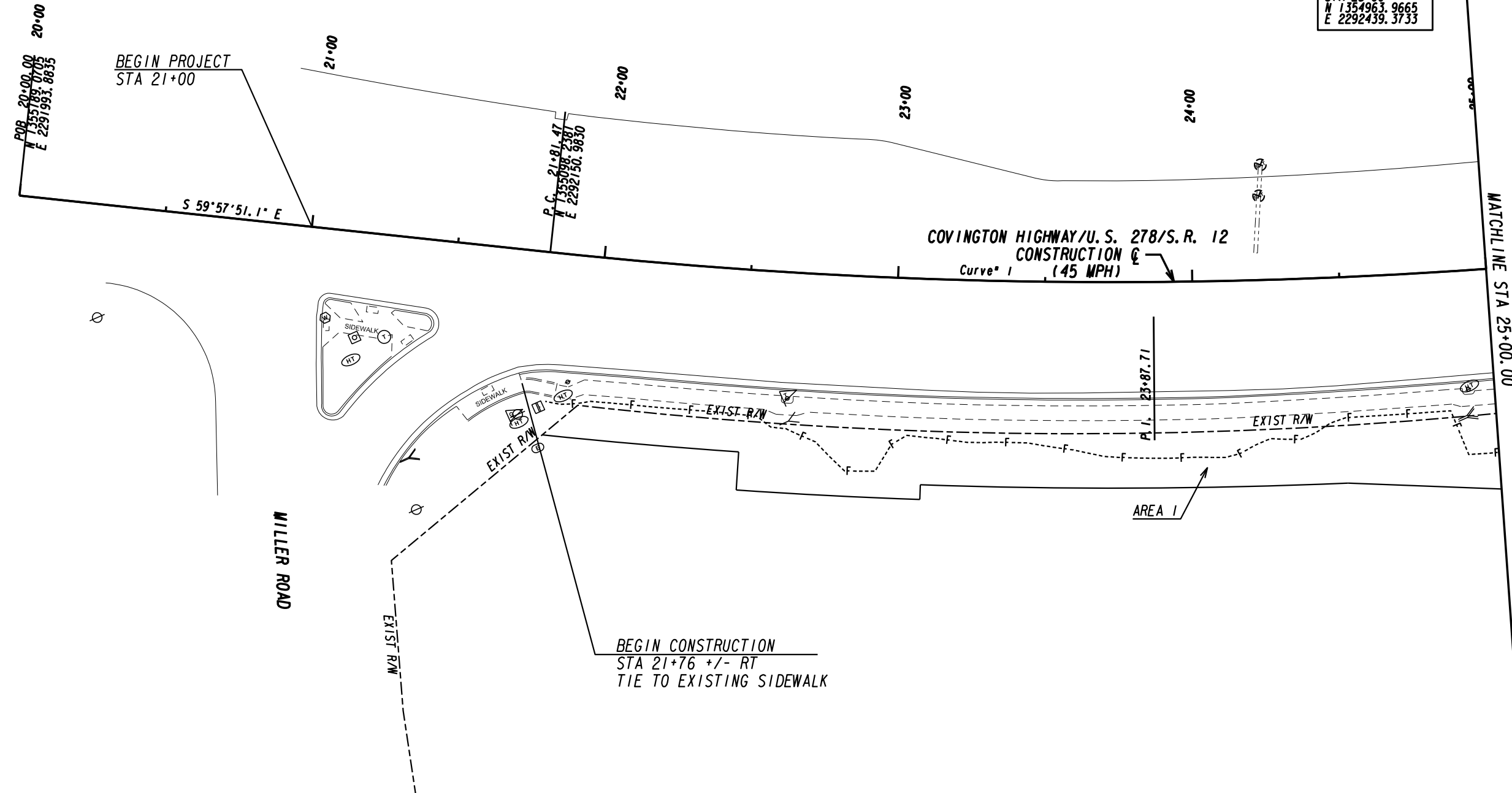
Covington Highway/U.S. 278/S.R. 12
BMP LOCATION DETAILS
STA 25+00.00 TO END PROJECT
(LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	

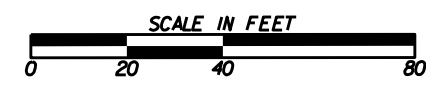


Curve* 1
 PI Sta* 23+87.71
 N* 1354995.0041
 E* 2292329.5318
 DELTA* 13°04'22.6" (LT)
 D* 03°10'59.16"
 T* 206.24
 L* 410.70
 R* 1800.00
 E* 11.78
 D.S.* 0

STA 25+00
 N 1354963.9665
 E 2292439.3733



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 RAJENDRAKUMAR K. SHAH, P.E.

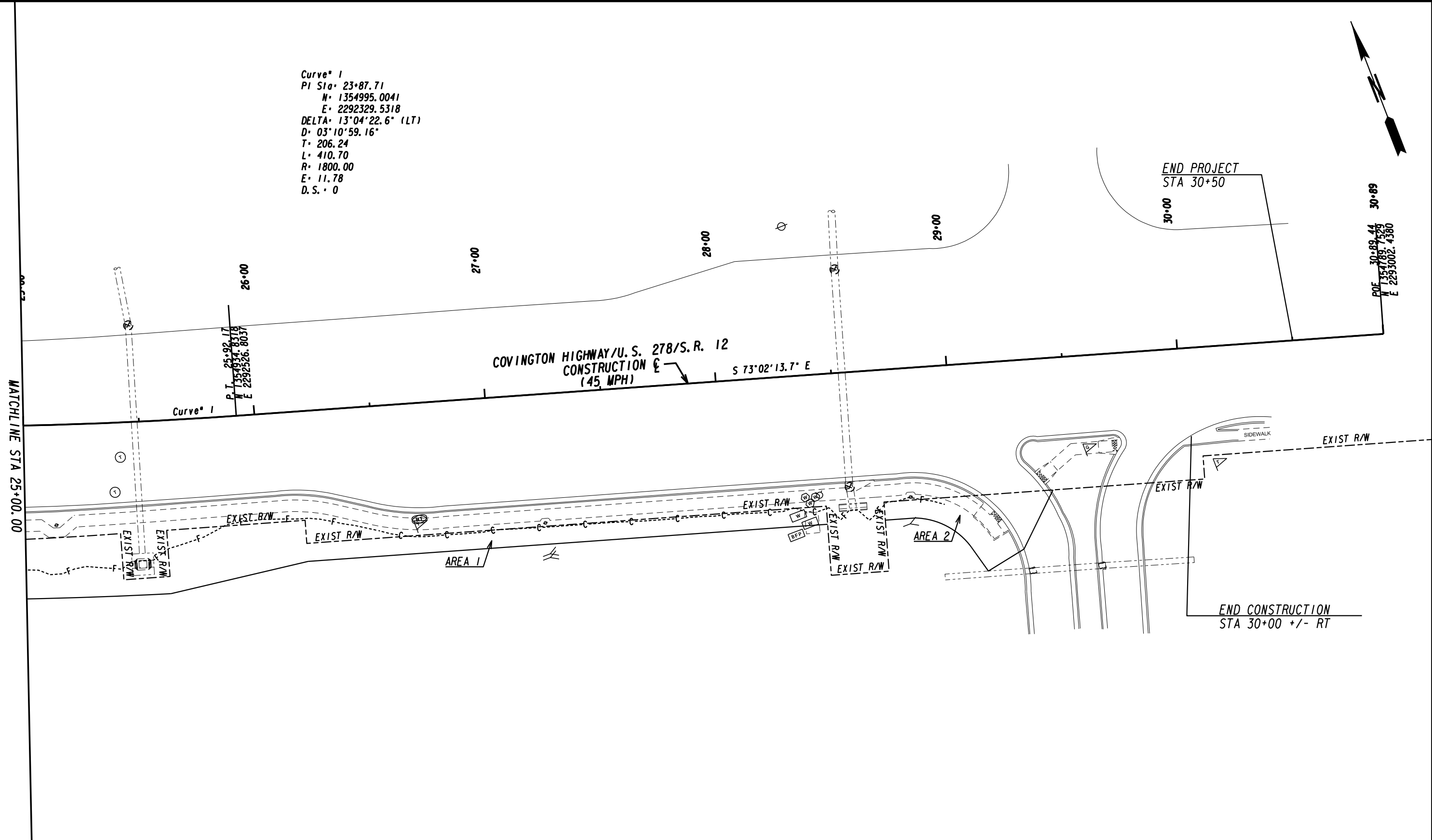
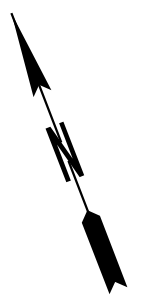


REVISION DATES	

Covington Highway/U.S. 278/S.R. 12
BMP LOCATION DETAILS
BEGIN PROJECT TO STA 25+00.00
(LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0005
CORRECTED:	DATE:	
VERIFIED:	DATE:	

Curve^a 1
 PI Sta. 23+87.71
 N= 1354995.0041
 E= 2292329.5318
 DELTA= 13°04'22.6" (LT)
 D= 03°10'59.16"
 T= 206.24
 L= 410.70
 R= 1800.00
 E= 11.78
 D.S.= 0



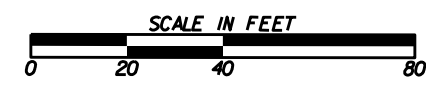
MATCHLINE STA 25+00.00

COVINGTON HIGHWAY/U. S. 278/S. R. 12
 CONSTRUCTION (45 MPH)

END PROJECT
 STA 30+50

END CONSTRUCTION
 STA 30+00 +/- RT

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R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES	

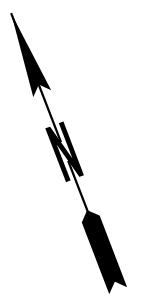
Covington Highway/U. S. 278/S. R. 12
BMP LOCATION DETAILS
STA 25+00.00 TO END PROJECT
(LOCATION #1)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	

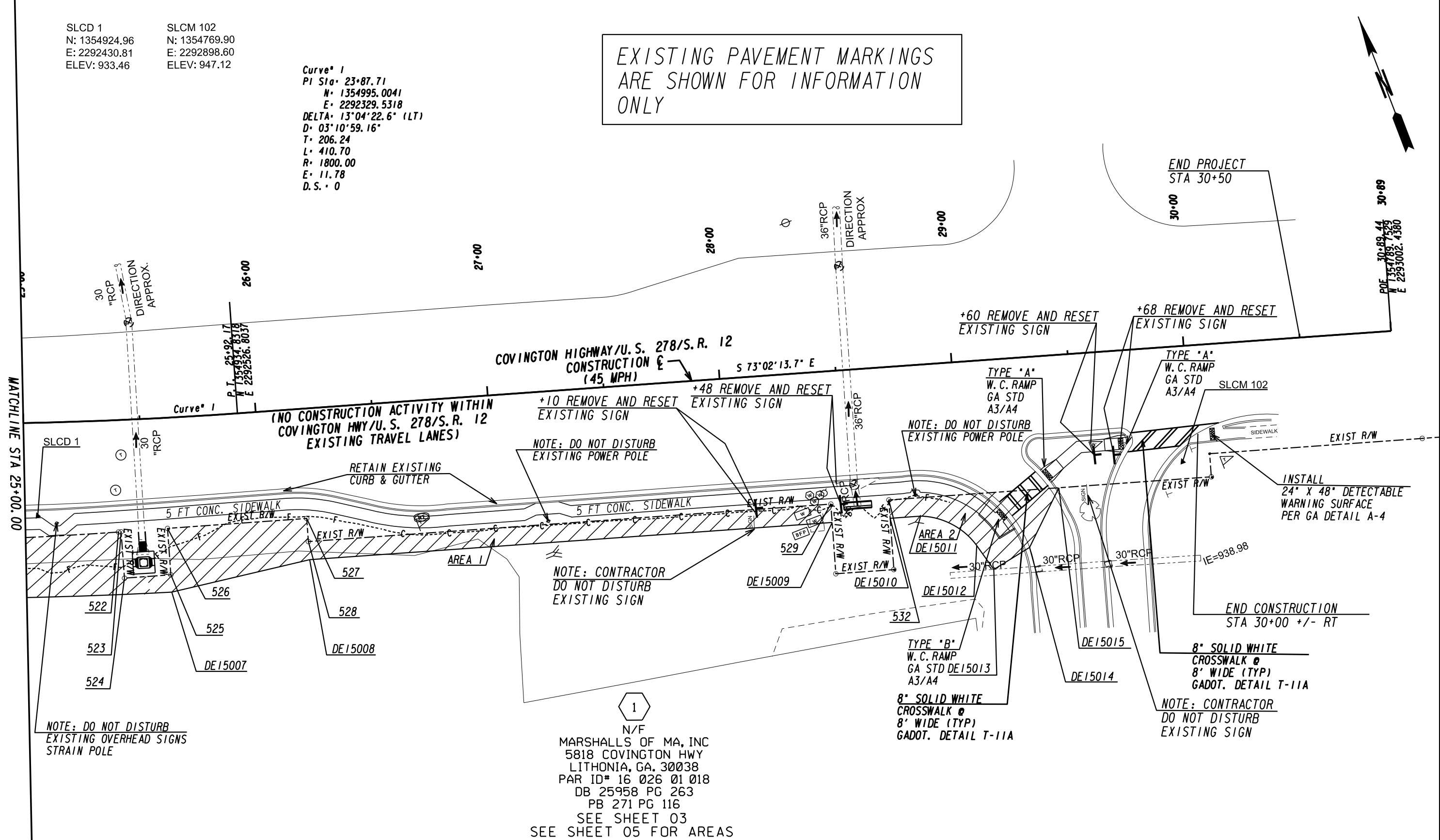
SLCD 1 N: 1354924.96 E: 2292430.81 ELEV: 933.46
SLCM 102 N: 1354769.90 E: 2292898.60 ELEV: 947.12

Curve* 1
PI Sta: 23+87.71
N: 1354995.0041
E: 2292329.5318
DELTA: 13°04'22.6" (LT)
D: 03°10'59.16"
T: 206.24
L: 410.70
R: 1800.00
E: 11.78
D.S.: 0

EXISTING PAVEMENT MARKINGS ARE SHOWN FOR INFORMATION ONLY



MATCHLINE STA 25+00.00



1
N/F
MARSHALLS OF MA, INC
5818 COVINGTON HWY
LITHONIA, GA. 30038
PAR ID* 16 026 01 018
DB 25958 PG 263
PB 271 PG 116
SEE SHEET 03
SEE SHEET 05 FOR AREAS

Legend for property and easement lines.

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	---
EASEMENT FOR THE CONSTRUCTION AND MAINTENANCE OF DRAINAGE	---

Legend for access and utility markers.

BEGIN LIMIT OF ACCESS...BLA	---
END LIMIT OF ACCESS...ELA	---
LIMIT OF ACCESS	---
RED'D R/W & LIMIT OF ACCESS	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---
LAND LOT LINE	---
LAND LOT NUMBER	---
PARCEL NUMBER	---
R/W MARKER	---

RKS&A
R.K. SHAH & ASSOCIATES, INC.
SCALE IN FEET
0 20 40 80

DATE	REVISIONS	DATE	REVISIONS

CITY OF STONECREST
RIGHT OF WAY PLAN
PROJECT NO COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION #1)
COUNTY: DEKALB
LAND LOT NO: 26
LAND DISTRICT: 16
GMD: 1448
DATE 06-26-23 SH 04 OF 05
DRAWING No.
60-0004

GRWPLN

1

N/F

MARSHALLS OF MA, INC
 5818 COVINGTON HWY
 LITHONIA, GA. 30038
 PAR ID# 16 026 01 018
 DB 25958 PG 263
 PB 271 PG 116

SEE SHEET 04 & 05

Parcel 01 Area 1 EASM'T FOR CONSTR. & MAINT. OF SLOPES DEPESMTOIA1

Parcel 01 Area 2 EASM'T FOR CONSTR. & MAINT. OF SLOPES DEPESMTOIA2

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
520	50.76 R	21+95.87	COVINGTON HWY
ARC LENGTH = 352.78			
CHORD BEAR = S 66°19'01.0" E			
LNTH CHORD = 351.95			
RADIUS = 1482.39			
DEGREE = 3°51'54.3"			
522	48.08 R	25+38.92	COVINGTON HWY
S 73°08'04.0" E			
523	48.04 R	25+40.01	COVINGTON HWY
S 16°51'56.0" W			
524	68.03 R	25+40.60	COVINGTON HWY
S 73°08'04.0" E			
525	67.53 R	25+59.87	COVINGTON HWY
N 16°56'27.0" E			
526	47.54 R	25+59.51	COVINGTON HWY
S 73°03'33.0" E			
527	47.21 R	26+18.65	COVINGTON HWY
S 16°56'27.0" W			
528	57.21 R	26+18.66	COVINGTON HWY
S 73°03'33.0" E			
529	57.12 R	28+43.89	COVINGTON HWY
S 16°56'27.0" W			
DE15009	65.00 R	28+43.89	COVINGTON HWY
N 73°02'13.7" W			
DE15008	65.00 R	26+18.66	COVINGTON HWY
N 82°11'55.9" W			
DE15007	75.00 R	25+59.87	COVINGTON HWY
S 16°56'27.0" W			
ARC LENGTH = 62.36			
CHORD BEAR = N 71°03'22.5" W			
LNTH CHORD = 62.36			
RADIUS = 1875.00			
DEGREE = 3°03'20.8"			
DE15006	75.00 R	25+00.00	COVINGTON HWY
N 63°49'01.5" W			
DE15005	70.00 R	24+50.00	COVINGTON HWY
S 25°56'40.2" W			
ARC LENGTH = 145.44			
CHORD BEAR = N 66°17'01.2" W			
LNTH CHORD = 145.41			
RADIUS = 1870.00			
DEGREE = 3°03'50.2"			
DE15004	70.00 R	23+10.00	COVINGTON HWY
S 25°56'40.2" W			
DE15003	75.00 R	23+10.00	COVINGTON HWY
S 25°56'40.2" W			
ARC LENGTH = 62.50			
CHORD BEAR = N 63°06'02.0" W			
LNTH CHORD = 62.50			
RADIUS = 1875.00			
DEGREE = 3°03'20.8"			
DE15002	75.00 R	22+50.00	COVINGTON HWY
N 27°51'15.7" E			
DE15001	62.00 R	22+50.00	COVINGTON HWY
S 25°56'40.2" W			
ARC LENGTH = 67.04			
CHORD BEAR = N 61°06'50.9" W			
LNTH CHORD = 67.04			
RADIUS = 1862.00			
DEGREE = 3°04'37.6"			
DE15000	62.00 R	21+85.19	COVINGTON HWY
N 74°09'30.0" E			
520	50.76 R	21+95.87	COVINGTON HWY
REQD EASMT = 10361.47 SF			
REQD EASMT = 0.238 ACRES			

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
532	57.11 R	28+68.89	COVINGTON HWY
S 73°03'33.0" E			
DE15015	57.09 R	29+42.18	COVINGTON HWY
S 47°12'16.9" W			
DE15014	81.76 R	29+27.79	COVINGTON HWY
S 79°26'25.8" W			
DE15013	90.11 R	29+11.76	COVINGTON HWY
N 14°21'19.9" W			
DE15012	79.33 R	29+05.20	COVINGTON HWY
ARC LENGTH = 28.21			
CHORD BEAR = N 41°18'27.5" W			
LNTH CHORD = 27.25			
RADIUS = 31.07			
DEGREE = 184°24'04.0"			
DE15011	65.00 R	28+82.02	COVINGTON HWY
N 73°02'13.7" W			
DE15010	65.00 R	28+68.89	COVINGTON HWY
N 16°56'27.0" E			
532	57.11 R	28+68.89	COVINGTON HWY
REQD EASMT = 1215.97 SF			
REQD EASMT = 0.028 ACRES			

DATE	REVISIONS	DATE	REVISIONS	CITY OF STONECREST	
				RIGHT OF WAY PLAN PROJECT NO COVINGTON HIGHWAY/U.S. 278/S.R. 12 (LOCATION #1) COUNTY: DEKALB LAND LOT NO: 26 LAND DISTRICT: 16 GWD: 1448 DATE 06-26-23 SH 05 OF 05	
				DRAWING No. 60-0005	

SLCM 102
N: 1329583.99
E: 2298047.67
ELEV: 830.04

EXISTING PAVEMENT MARKINGS
ARE SHOWN FOR INFORMATION
ONLY

N/F
ANDRE CALHOUN
PAR ID# 16 050 03 002
DB 30034 PG 427

N/F
LILLIE B HAMMONDS
PAR ID# 16 050 03 010
DB 25673 PG 248
PB 237 PG 86

N/F
FLAT ROCK HILLS
COMMUNITY ASSOCIATION
5756 BROWNS MILL RD
LITHONIA, GA. 30038
PAR ID# 16 050 03 001
DB 18293 PG 255
PB 237 PG 86

BEGIN CONSTRUCTION
STA 100+86.98 +/- LT
(SIDEWALK ALIGNMENT BASELINE)
TIE TO EXISTING
ARABIAN MOUNTAIN TRAIL

NOTE: CONTRACTOR DO NOT
DISTURB EXISTING POWER
POLE

NOTE: CONTRACTOR DO NOT
DISTURB EXISTING POWER
POLE

EXISTING ARABIAN
MOUNTAIN TRAIL

EXIST R/W

BEGIN PROJECT
STA 10+00

P.O.B. 10+00.00
N 1329565.2080
E 2298088.2960

Curve 1
N 37°56'15.6" W

EXIST E.O.P.
N 38°17'35.4" W

Curve 1
PI Sta 10+97.01
N 1329641.7190
E 2298028.6530
DELTA 00°21'19.9" (LT)

(NO CONSTRUCTION ACTIVITY WITHIN
BROWNS MILL RD/S.R. 212
EXISTING TRAVEL LANES)

BROWNS MILL ROAD/S.R. 212
CONSTRUCTION (55 MPH)

Curve 2
PI Sta 11+84.64
N 1329710.4909
E 2297974.3535
DELTA 01°24'46.9" (LT)

P.C. 12+83.82
N 1329786.7956
E 2297910.9902

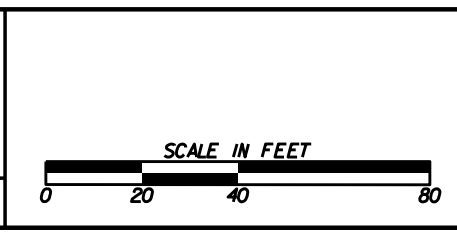
Curve 3
PI Sta 15+03.34
N 1329955.6782
E 2297770.7503
DELTA 08°14'00.1" (RT)
D 01°52'42.78"
T 219.52
L 438.28
R 3050.00
E 7.89
D.S. 0

MATCHLINE STA 14+00.00

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	---
EASEMENT FOR THE CONSTRUCTION AND MAINTENANCE OF DRAINAGE	---

BEGIN LIMIT OF ACCESS...BLA	---
LIMIT OF ACCESS	---
RED'D R/W & LIMIT OF ACCESS	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---
LAND LOT LINE	---
LAND LOT NUMBER	---
PARCEL NUMBER	---
END LIMIT OF ACCESS...ELA	---
R/W MARKER	---

RKS&A
R.K. SHAH & ASSOCIATES, INC.
SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES	

**Browns Mill Road/S.R. 212
CONSTRUCTION PLAN
BEGIN PROJECT TO STA 14+00.00
(LOCATION #2)**

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-1001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

SLCD 1
N: 1329886.34
E: 2297812.07
ELEV: 834.61

Curve 1
PI Sta 105+25.40
N: 1329955.5359
E: 2297734.5913
DELTA: 10°59'32.2" (RT)
D: 05°43'46.48"
T: 96.22
L: 191.85
R: 1000.00
E: 4.62
D.S.: 0

Curve 2
PI Sta 106+88.49
N: 1330099.9372
E: 2297657.5203
DELTA: 20°55'06.8" (LT)
D: 57°17'44.81"
T: 18.46
L: 36.51
R: 100.00
E: 1.69
D.S.: 0

N/F
LILLIE B HAMMONDS
PAR ID# 16 050 03 010
DB 25673 PG 248
PB 237 PG 86

N/F
SFR XII NM ATL OWNER 1, LP
PAR ID# 16 050 03 009
DB 30290 PG 719
PB 237 PG 86

N/F
WILLIE OGLESBY &
EVELYN CARTER
PAR ID# 16 050 03 008
DB 25753 PG 154
PB 237 PG 86

N/F
FLAT ROCK HILLS
COMMUNITY ASSOCIATION
5756 BROWNS MILL RD
LITHONIA, GA, 30038
PAR ID# 16 050 03 001
DB 18293 PG 255
PB 237 PG 86

EXISTING PAVEMENT MARKINGS
ARE SHOWN FOR INFORMATION
ONLY

LYONS ROAD
FORMERLY
EVANS MILL ROAD

END CONSTRUCTION
STA 107+11.63 +/- LT
(SIDEWALK ALIGNMENT BASELINE)
TIE TO EXISTING
SIDEWALK

NOTE: CONTRACTOR DO NOT
DISTURB EXISTING OVERHEAD
SIGNS STRAIN POLE

SIGN EASEMENT
SHOWN GRAPHICALLY PER
P.B. 237 PG. 86

SIDEWALK ALIGNMENT
BASELINE

BROWNS MILL ROAD/S.R. 212
CONSTRUCTION E
(55 MPH)
NO CONSTRUCTION ACTIVITY WITHIN
BROWNS MILL RD/S.R. 212
EXISTING TRAVEL LANES

NOTE: CONTRACTOR DO NOT
DISTURB EXISTING TELEPHONE
POLE

END CONSTRUCTION
STA 17+08.79 +/-
(CONSTRUCTION CENTERLINE)

SLCM 101
N: 1330208.97
E: 2297583.47
ELEV: 838.26

MATCHLINE STA 14+00.00

BEGIN PROJECT
STA 17+47

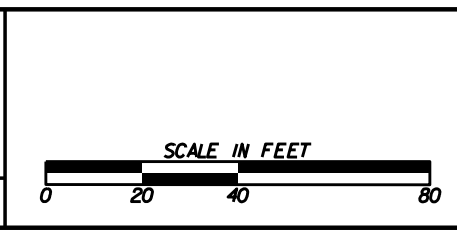
STA 15+00
N 1329957.8634
E 2297778.8899

Curve 3
PI Sta 15+03.34
N: 1329955.6782
E: 2297770.7503
DELTA: 08°14'00.1" (RT)
D: 01°52'42.78"
T: 219.52
L: 438.28
R: 3050.00
E: 7.89
D.S.: 0

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	---
EASEMENT FOR THE CONSTRUCTION AND MAINTENANCE OF DRAINAGE	---

BEGIN LIMIT OF ACCESS...BLA	---
LIMIT OF ACCESS	---
RED'D R/W & LIMIT OF ACCESS	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---
LAND LOT LINE	---
LAND LOT NUMBER	---
PARCEL NUMBER	---
END LIMIT OF ACCESS...ELA	---
R/W MARKER	---

RKS&A
R.K. SHAH & ASSOCIATES, INC.
SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.

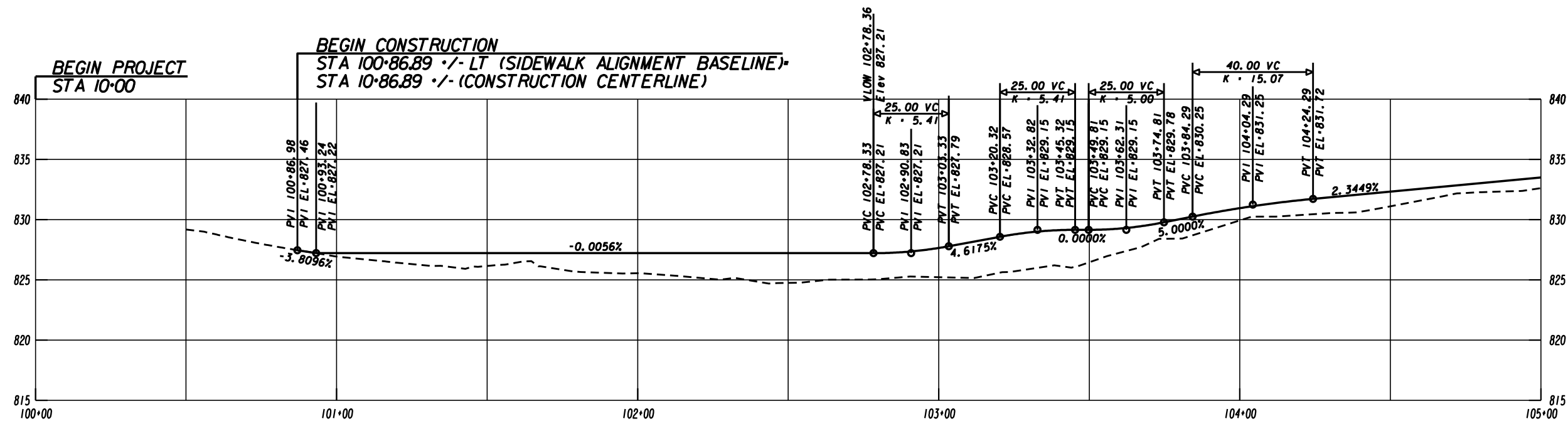


REVISION DATES	

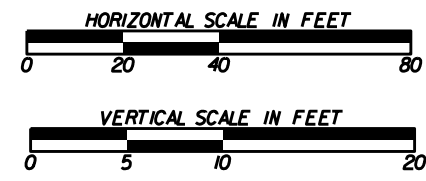
**Browns Mill Road/S.R. 212
CONSTRUCTION PLAN
STA 14+00.00 TO END PROJECT
(LOCATION *2)**

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

13-1002



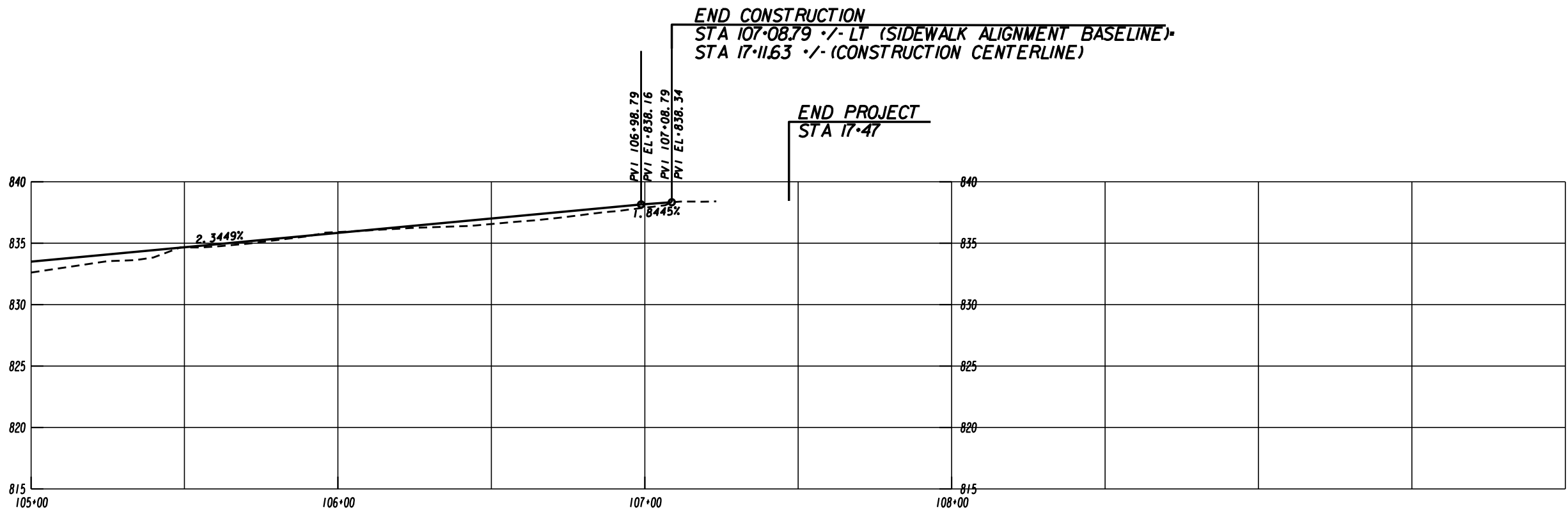
RKS&A
R.K. SHAH & ASSOCIATES, INC.
SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.



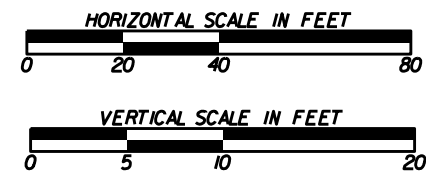
REVISION DATES	

Browns Mill Road/S.R. 212
MAINLINE PROFILE
BEGIN PROJECT TO STA 15+00.00
(LOCATION #2)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	15-1001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



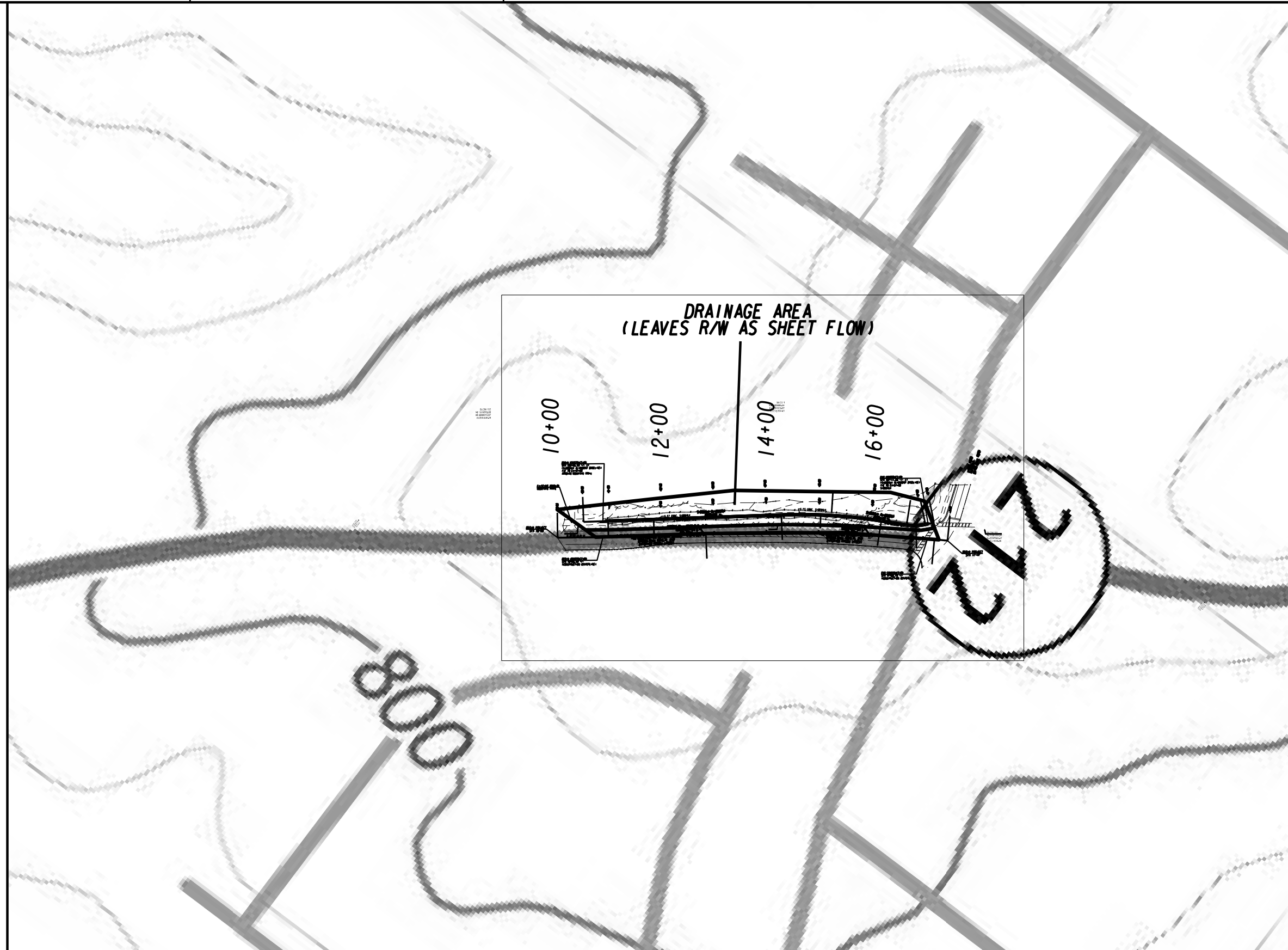
RKS&A
R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES	

Browns Mill Road/S.R. 212
MAINLINE PROFILE
STA 15+00.00 TO END PROJECT
(LOCATION #2)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	15-1002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



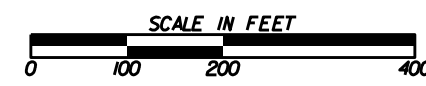
Browns Mill Rd/SR 212			
Runoff Calcs			
Pre		Post	
Areas(ac)			
subarea	size	subarea	size
0.98	0.23	0.98	0.29
0.76	0.95	0.76	0.89
Total	1.18	Total	1.18
Rational Coefficient			
c=	0.800	c=	0.810
Flows(cfs)			
i10= 5.73			
Q10=	5.41	Q10=	5.48
i50= 7.61			
Q50=	7.18	Q50=	7.27
i100= 8.45			
Q100=	7.98	Q100=	8.08

DISTURBED AREA · 0.367 ac.
PROJECT AREA · 0.504 ac.

**Browns Mill Road/S.R. 212
DRAINAGE AREA MAP**

(LOCATION #2)

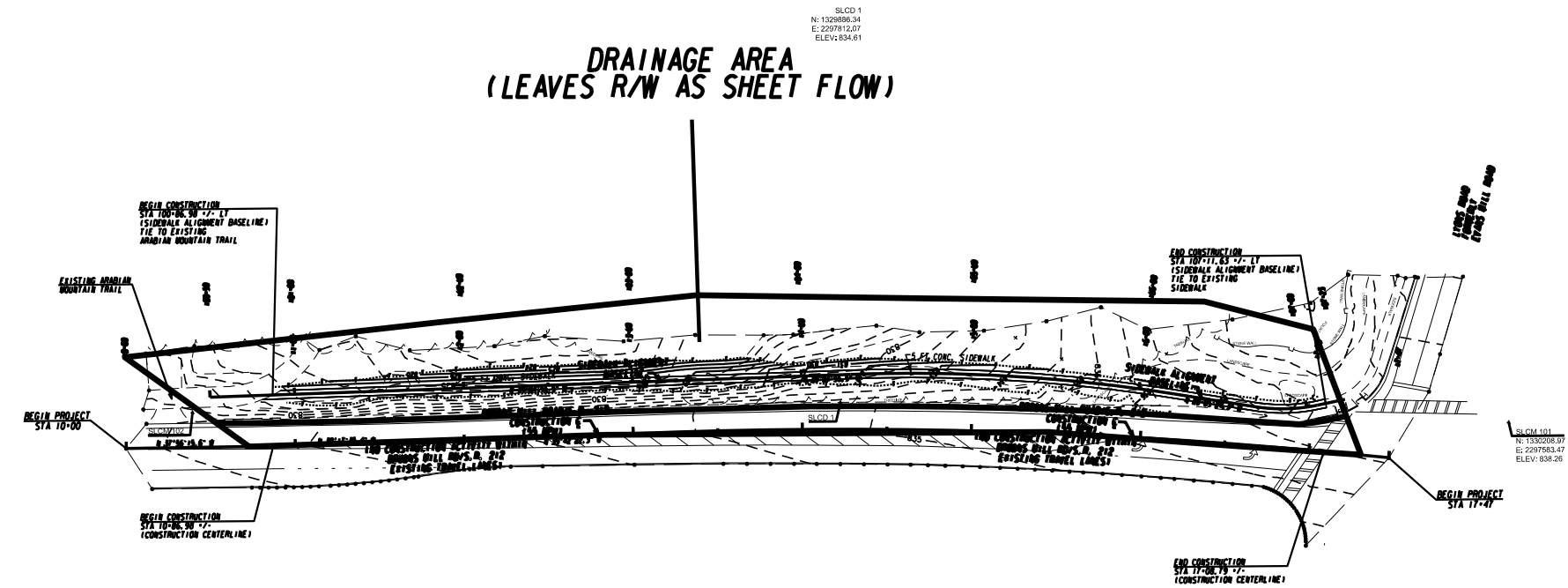
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REVISION DATES	

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	21- 1001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

**DRAINAGE AREA
(LEAVES R/W AS SHEET FLOW)**



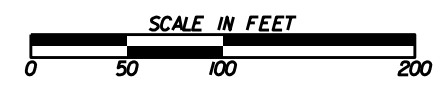
SLCM 102
N: 1329683.99
E: 229763.17
ELEV: 830.04

SLCD 1
N: 1329886.34
E: 2297812.07
ELEV: 834.61

SLCM 101
N: 1330208.97
E: 2297663.47
ELEV: 838.26

**DISTURBED AREA : 0.367 ac.
PROJECT AREA : 0.504 ac.**

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RAJENDRAKUMAR K. SHAH, P.E.

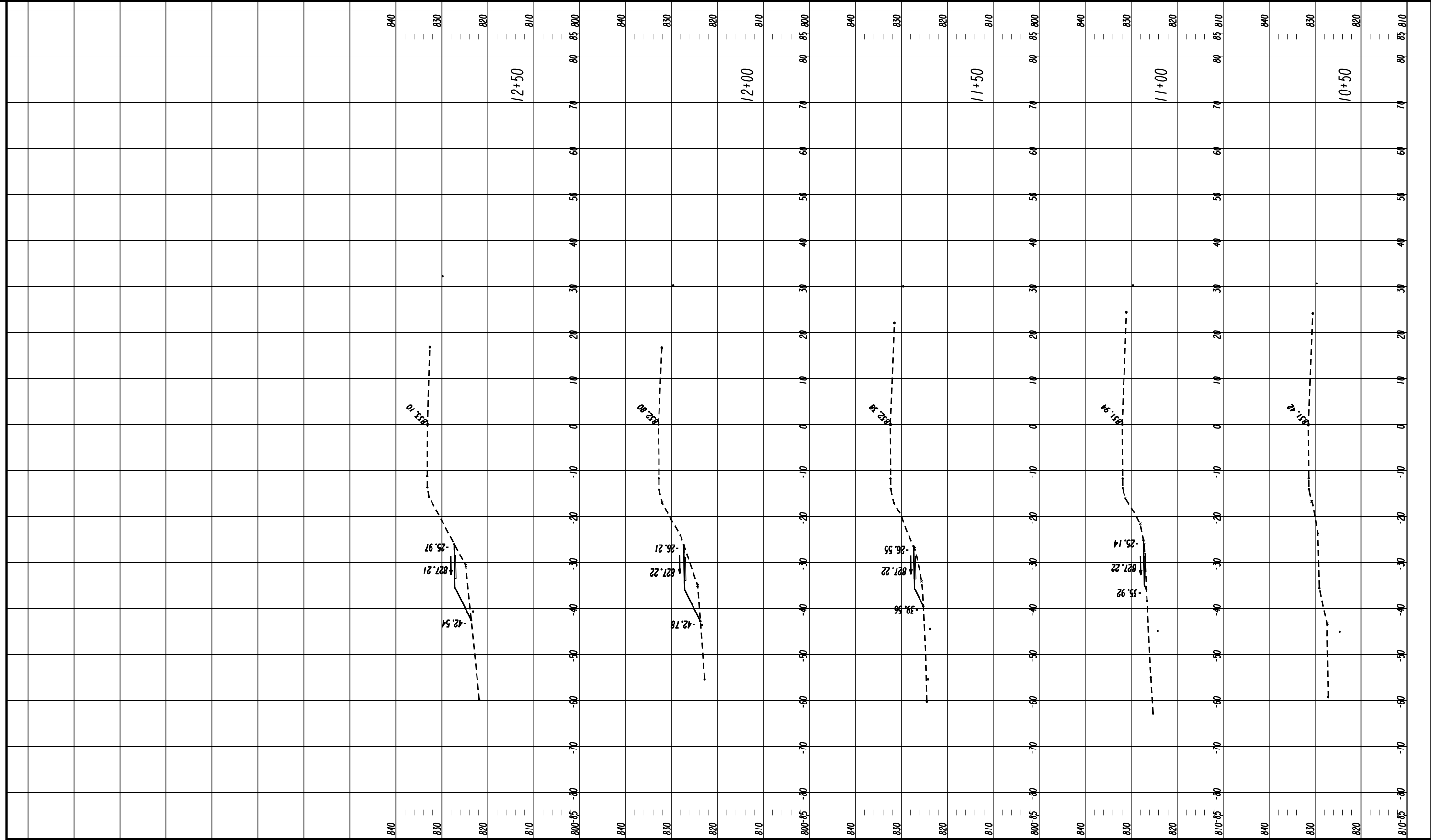


REVISION DATES	

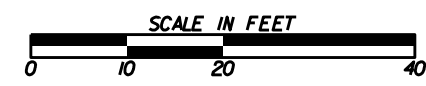
**Browns Mill Road/S.R. 212
DRAINAGE AREA MAP**

(LOCATION #2)

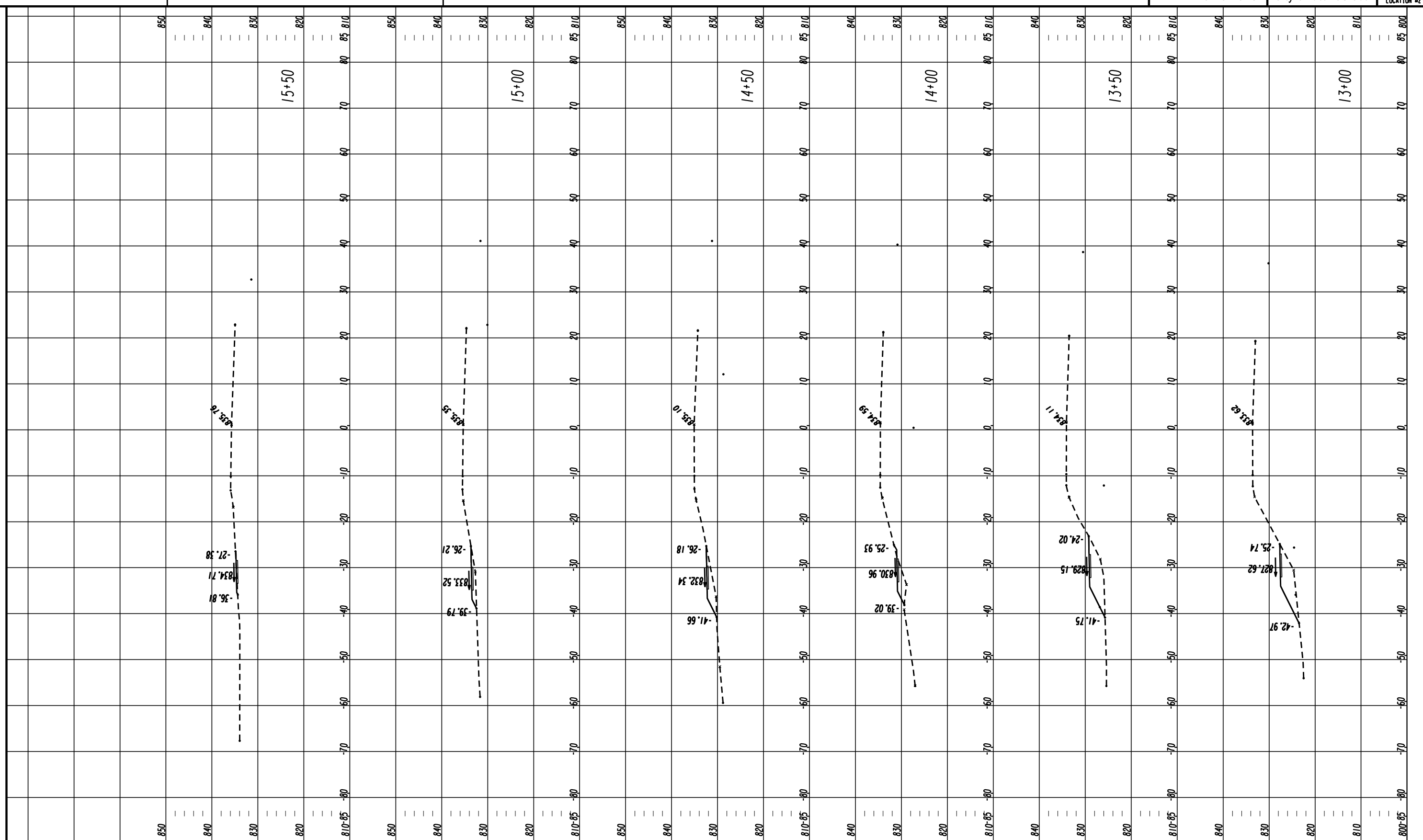
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BACKCHECKED:	DATE:	21-1002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



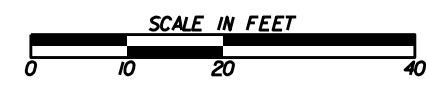
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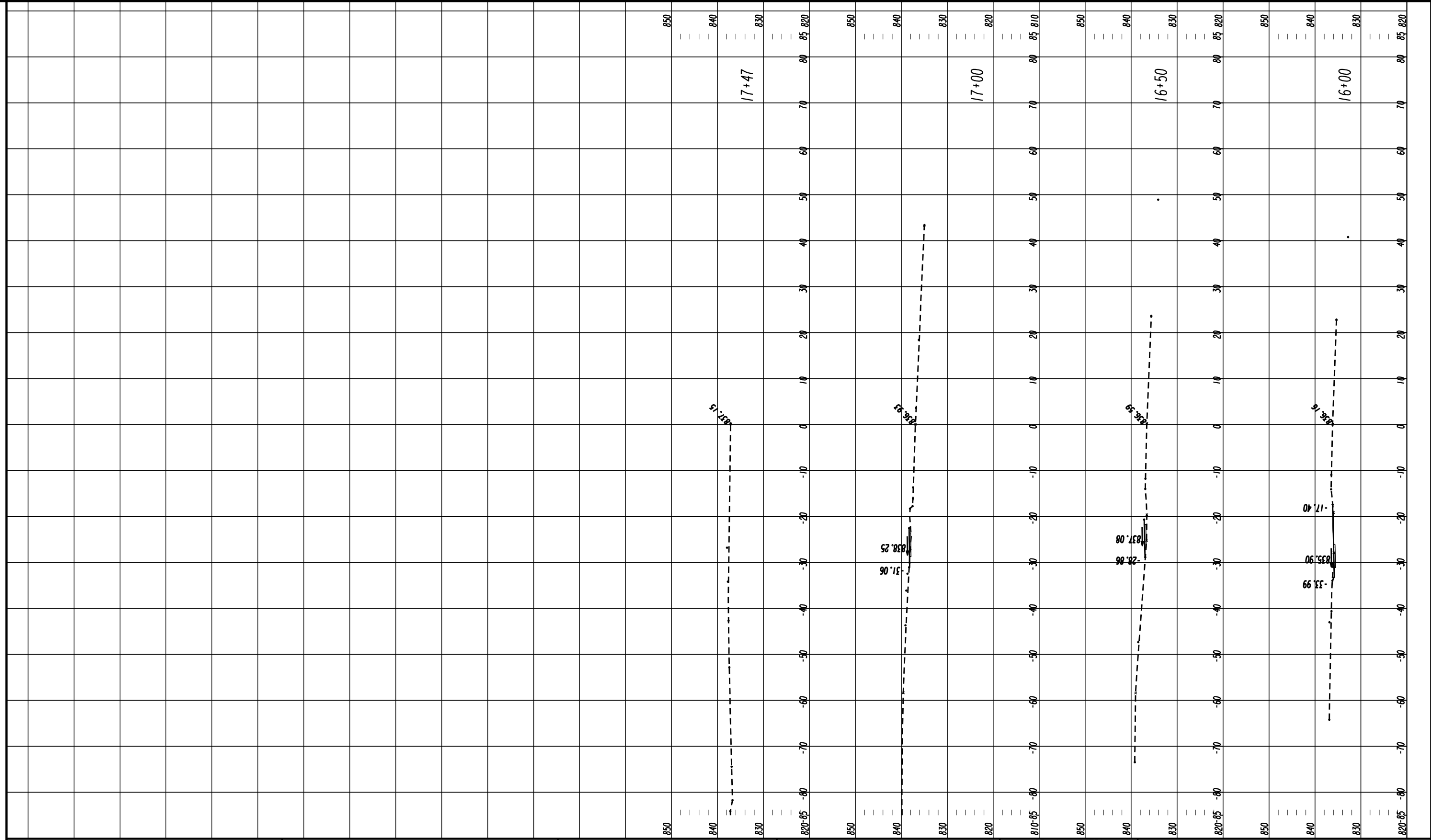
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		CHECKED:	DATE:
		BACKCHECKED:	DATE:
		CORRECTED:	DATE:
		VERIFIED:	DATE:
		DRAWING No. 23-1001	



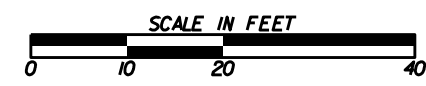

R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES		Browns Mill Road/S.R. 212 EARTHWORK CROSS SECTIONS	
		(LOCATION #2)	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	23-1002	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



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 RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES	

**Browns Mill Road/S.R. 212
 EARTHWORK CROSS SECTIONS**

(LOCATION #2)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	23-1003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

N/F
ANDRE CALHOUN
PAR ID# 16 050 03 002
DB 30034 PG 427

N/F
LILLIE B HAMMONDS
PAR ID# 16 050 03 010
DB 25673 PG 248
PB 237 PG 86

N/F
FLAT ROCK HILLS
COMMUNITY ASSOCIATION
5756 BROWNS MILL RD
LITHONIA, GA. 30038
PAR ID# 16 050 03 001
DB 18293 PG 255
PB 237 PG 86

BEGIN CONSTRUCTION
STA 100+86.98 +/- LT
(SIDEWALK ALIGNMENT BASELINE)
TIE TO EXISTING
ARABIAN MOUNTAIN TRAIL

NOTE: CONTRACTOR DO NOT
DISTURB EXISTING POWER
POLE

NOTE: CONTRACTOR DO NOT
DISTURB EXISTING POWER
POLE

EXISTING ARABIAN
MOUNTAIN TRAIL

BEGIN PROJECT
STA 10+00

BEGIN CONSTRUCTION
STA 10+86.98 +/-
(CONSTRUCTION CENTERLINE)

BROWNS MILL ROAD/S.R. 212
CONSTRUCTION ϕ
(55 MPH)

(NO CONSTRUCTION ACTIVITY WITHIN
BROWNS MILL RD/S.R. 212
EXISTING TRAVEL LANES)

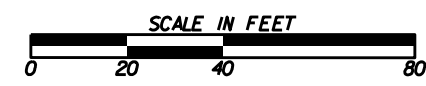
MATCHLINE STA 14+00.00

Curve¹
PI Sta¹ 10+97.01
N= 1329641.7190
E= 2298028.6530
DELTA= 00°21'19.9" (LT)

Curve²
PI Sta² 11+84.64
N= 1329710.4909
E= 2297974.3535
DELTA= 01°24'46.9" (LT)

Curve³
PI Sta³ 15+03.34
N= 1329955.6782
E= 2297770.7503
DELTA= 08°14'00.1" (RT)
D= 01°52'42.78"
T= 219.52
L= 438.28
R= 3050.00
E= 7.89
D.S.= 0

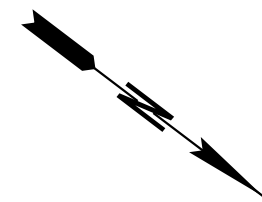
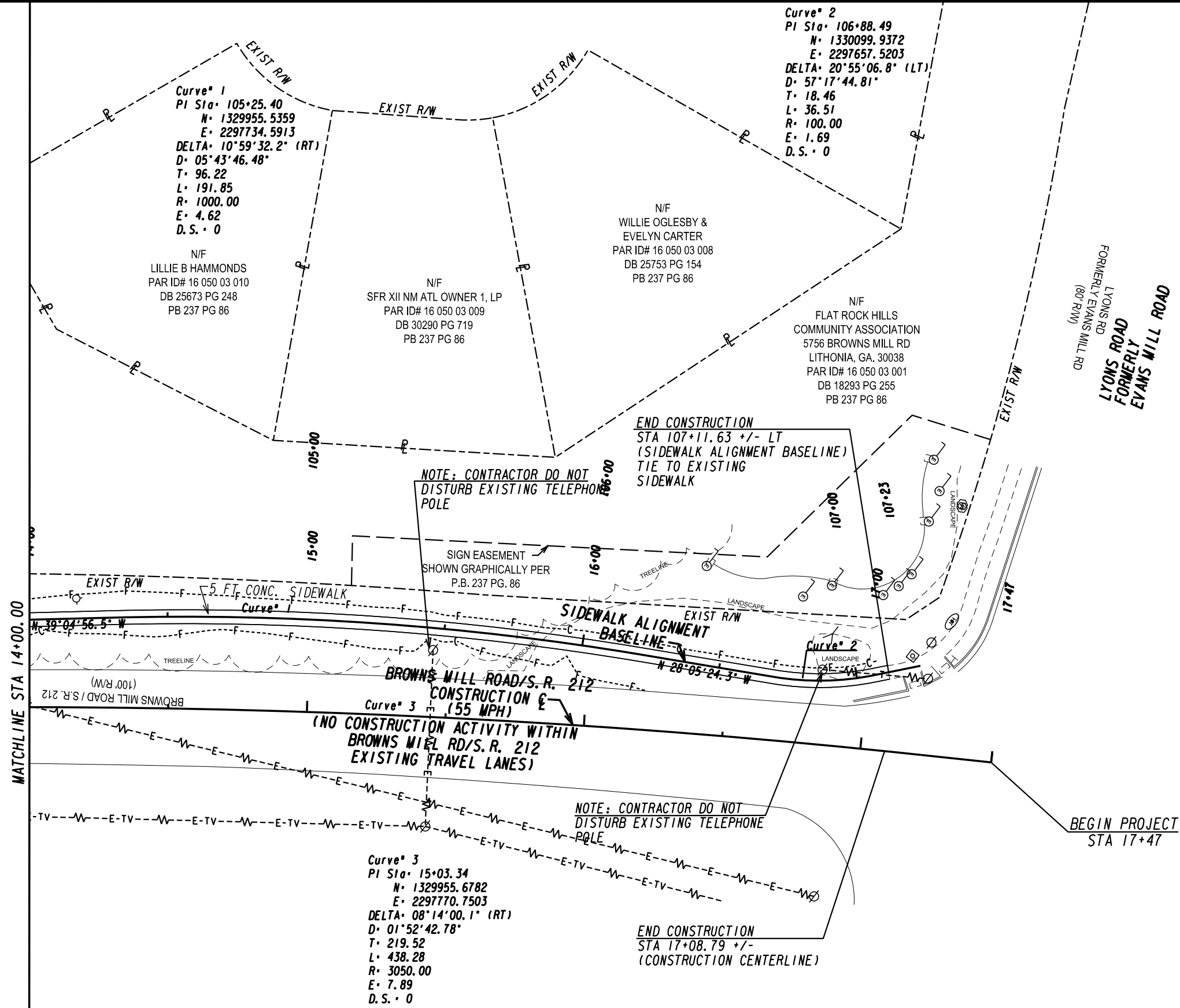
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SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.



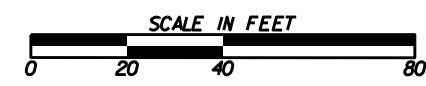
REVISION DATES	

Browns Mill Road/S.R. 212
UTILITY PLANS
BEGIN PROJECT TO STA 14+00.00
(LOCATION *2)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-1001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES		DRAWING No.	
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

Browns Mill Road/S.R. 212
 UTILITY PLANS
 STA 14+00.00 TO END PROJECT
 (LOCATION *2)

24-1002

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 	
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.
		SYMBOL Ds1	THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
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.
		SYMBOL Ds2	THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.

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.
		PATTERN Ds4	THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
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 Sb	

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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'.



NO SCALE

REVISION DATES	
3/2/2017	

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 1 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

52-0001
52-1001

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 	
Tack	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 	
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-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-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 SPLASHPAD. 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 	

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 	
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 f.p.s. 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:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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'.



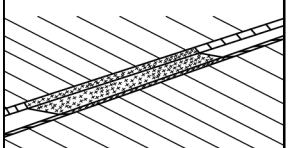
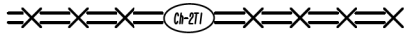
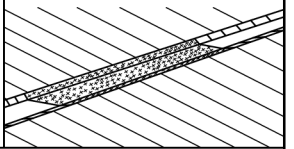
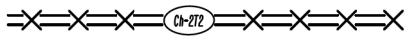
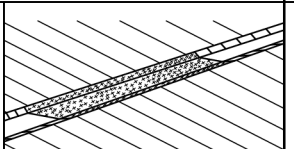
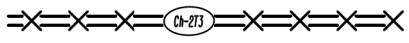
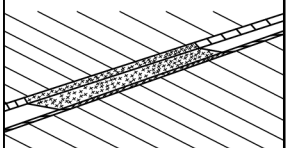
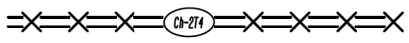
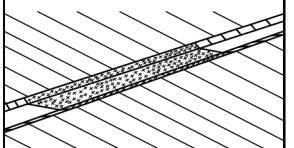
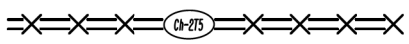
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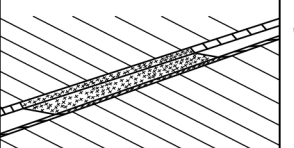
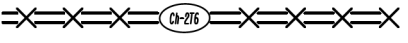
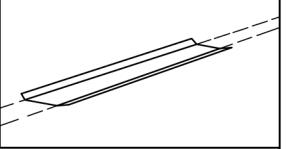
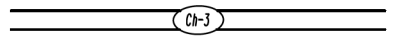
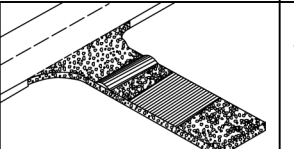

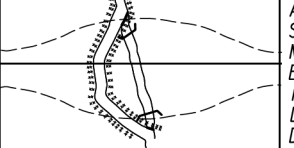
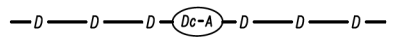
REVISION DATES	
3/2/2017	
11/28/2018	

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 2 OF 7

CHECKED: D. EAGLETON	DATE: 01/01/16	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

~~52-0002~~
52-1002

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441		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.
	LINE CODE		
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800		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.
	SYMBOL		
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		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 Sd1-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.
	LINE CODE		

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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'.



NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 3 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		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 Sd1-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.
	LINE CODE 		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		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 Sd1-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.
	LINE CODE 		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
DI-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		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 'Dn1' OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE 		
DI-2	DIVERSION CHANNEL SECTION 205		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.
	LINE CODE 		RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		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'.
	LINE CODE 		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		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).
	LINE CODE 		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		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).
	LINE CODE 		
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TPI, 9017J TPI, DETAIL D-26 TPI SECTION 576, 577		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).
	LINE CODE 		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		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).
	LINE CODE 		

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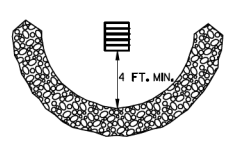

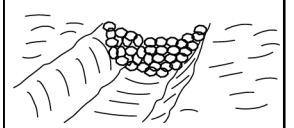




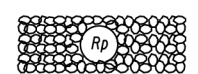
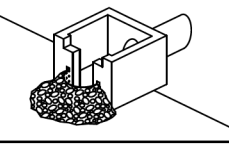

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S,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

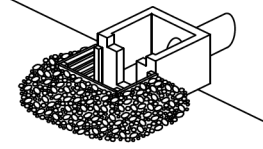



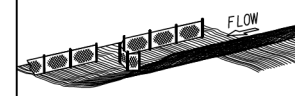

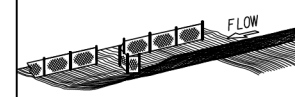

7/31/2015 GPLM



NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 4 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
		DRAWING No.	
		52-0004	
		52-1004	

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 		
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-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-1 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 		

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-Sg1	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 	
				FRONT VIEW	
SdI-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 	
SdI-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:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".



NO SCALE


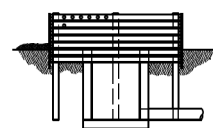

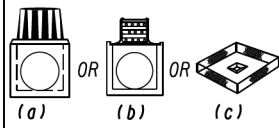

REVISION DATES

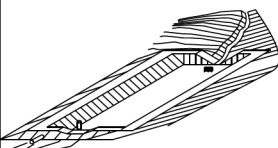
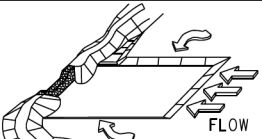
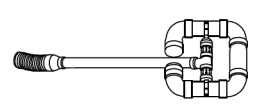
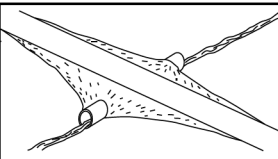
3/2/2017		

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 5 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		
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VERIFIED:		DATE:		

~~52-0005~~
52-1005

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		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.
	LINE CODE * * * (Sd1-BB) * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		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.
	SYMBOL (Sd2-B)		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		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.
	SYMBOL (Sd2-Bg)		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163		(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.
	SYMBOL (Sd2-F)		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		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.
	SYMBOL (Sd2-G)		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		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.
	SYMBOL (Sd3)		
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		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.
	SYMBOL (Sd4-C)		
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		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.
	SYMBOL (Sk)		
Sr	TEMPORARY STREAM CROSSING SECTION 107		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!
	SYMBOL (Sr)		



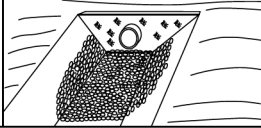

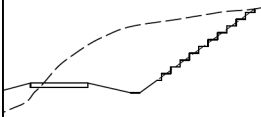
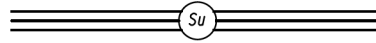
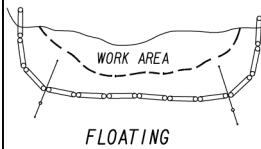

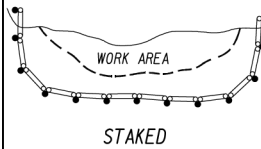
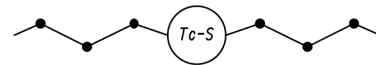
NOTE:

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NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
11/28/2018		SHEET 6 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
		DRAWING No. 52-0006	
		52-1006	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		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.
		SYMBOL 	
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		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 \geq 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 \geq 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.
		PATTERN 	
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205		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.
		LINE CODE 	
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170		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.
		LINE CODE 	
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170		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.
		LINE CODE 	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

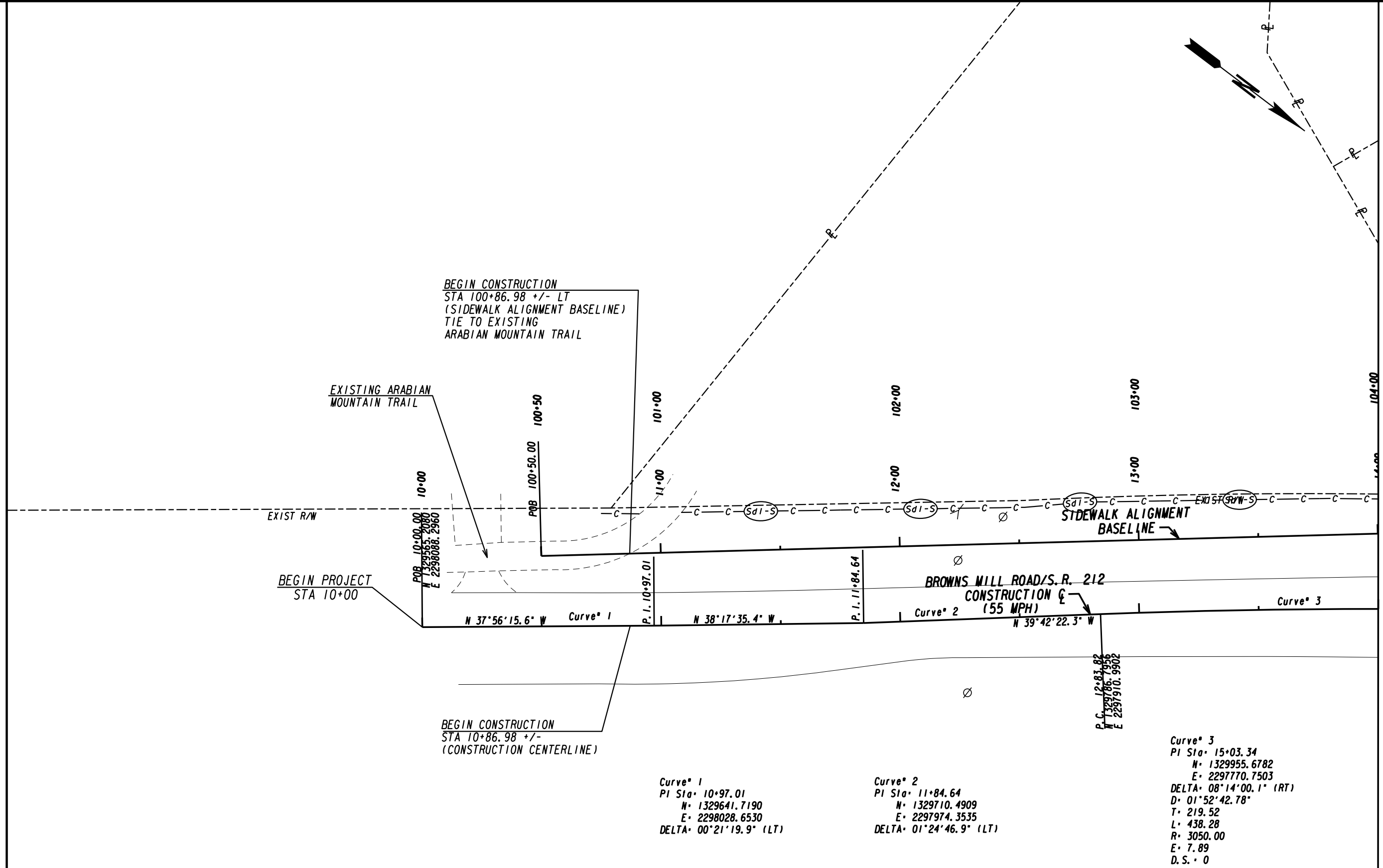
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
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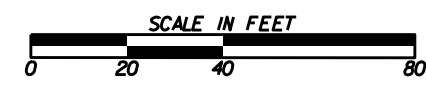
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REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 7 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
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DRAWING No.
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52-1007



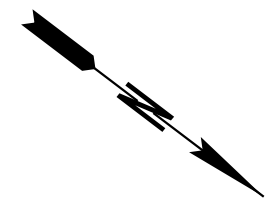
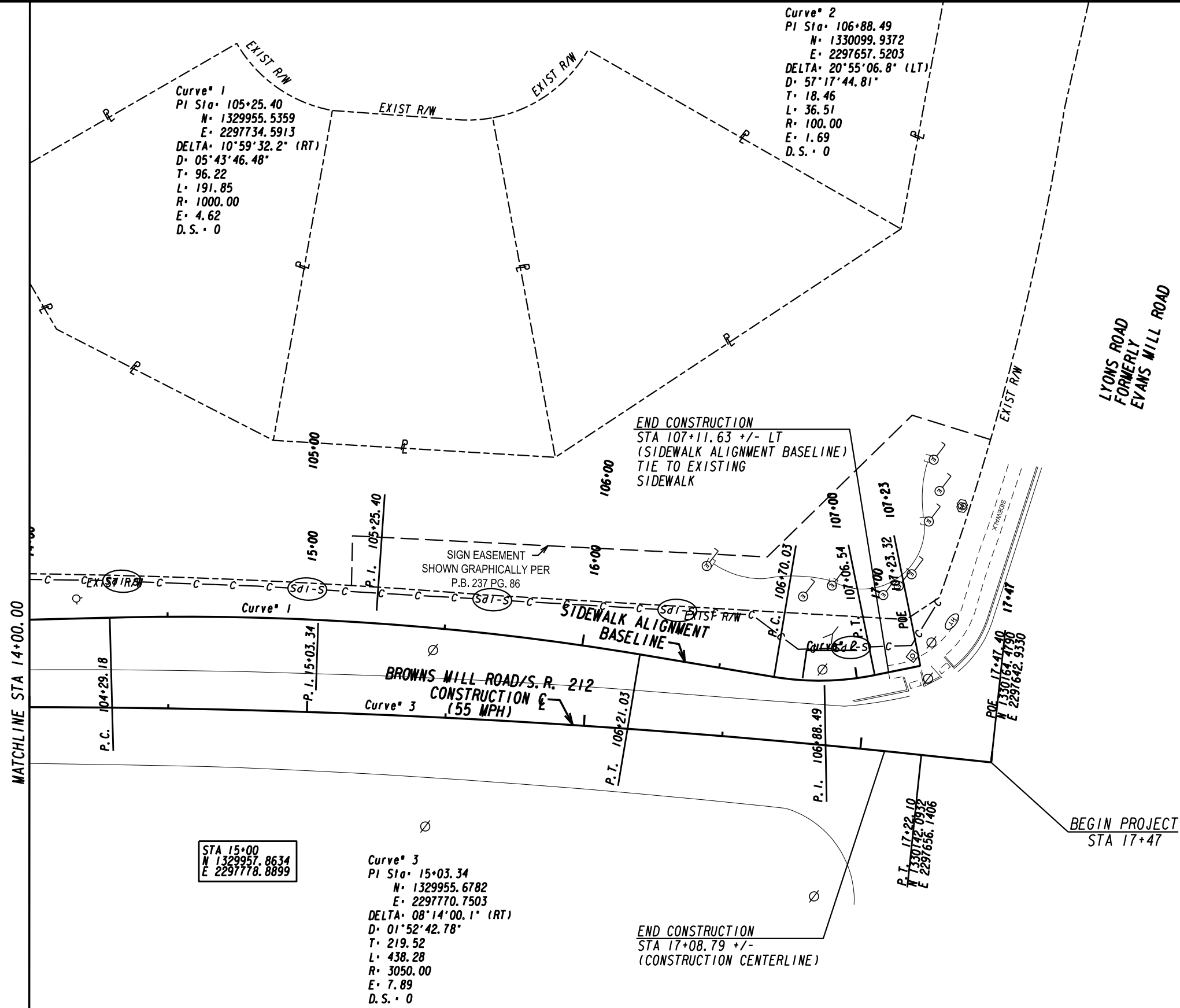
RKS&A
R.K. SHAH & ASSOCIATES, INC.
SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.



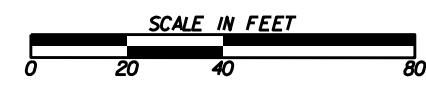
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Browns Mill Road/S.R. 212
BMP LOCATION DETAILS
BEGIN PROJECT TO STA 14+00.00
(LOCATION '2)

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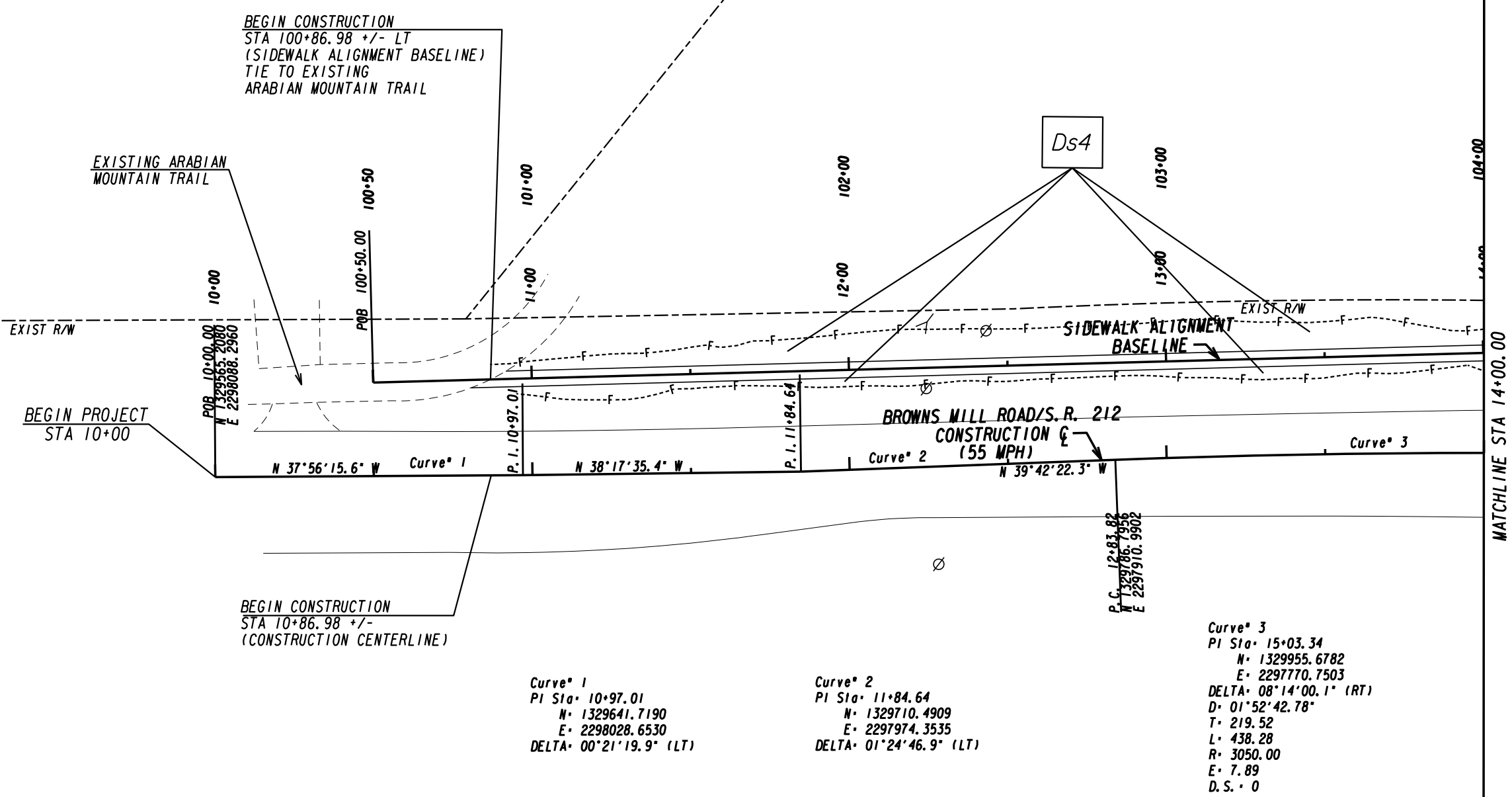
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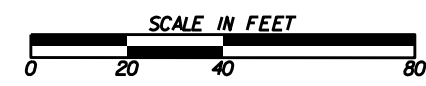
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**Browns Mill Road/S.R. 212
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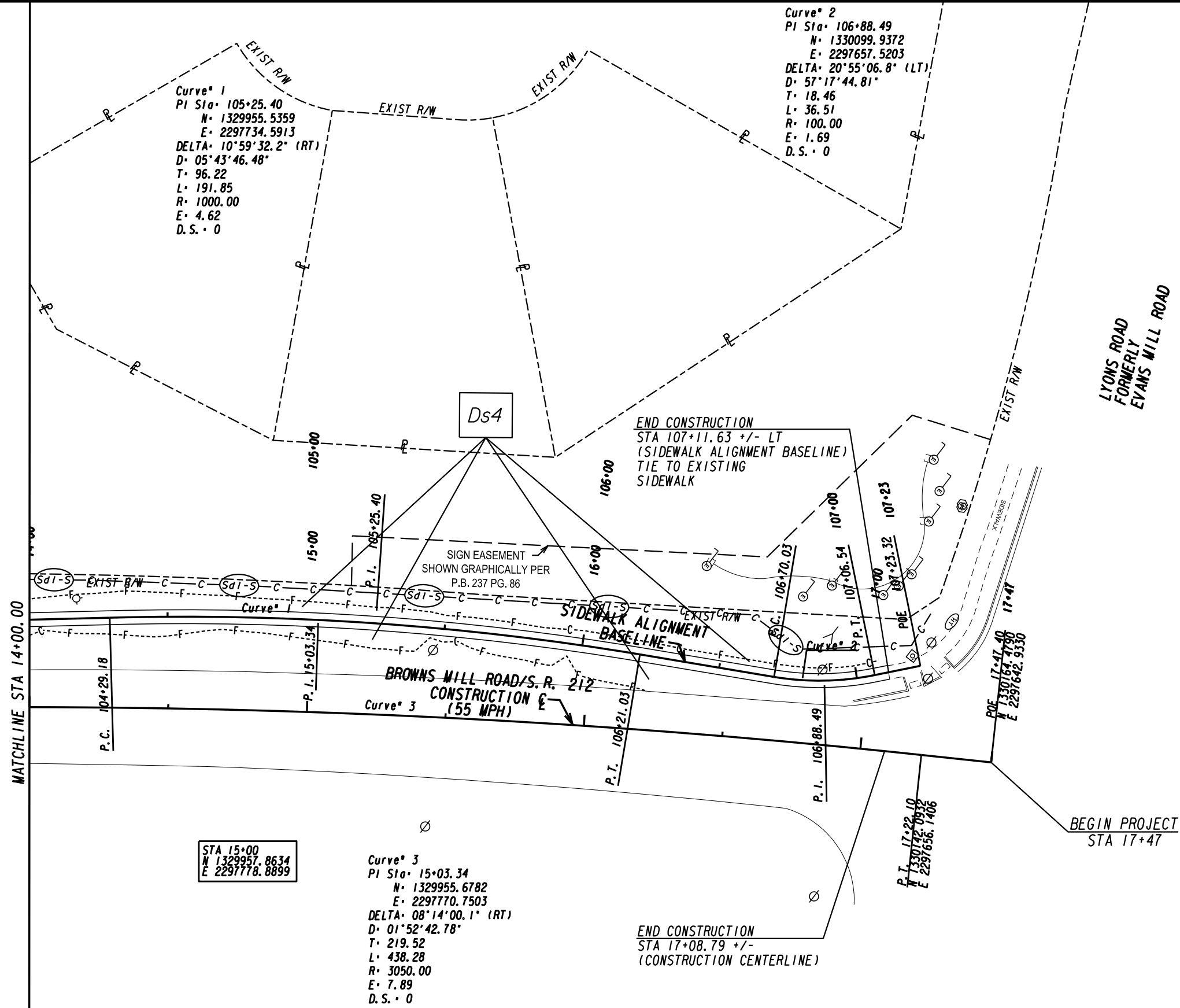
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R.K. SHAH & ASSOCIATES, INC.
SUBMITTED BY
RAJENDRAKUMAR K. SHAH, P.E.



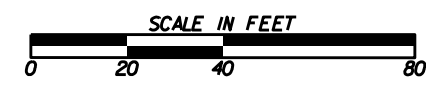
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**Browns Mill Road/S.R. 212
BMP LOCATION DETAILS
BEGIN PROJECT TO STA 14+00.00
(LOCATION '2)**

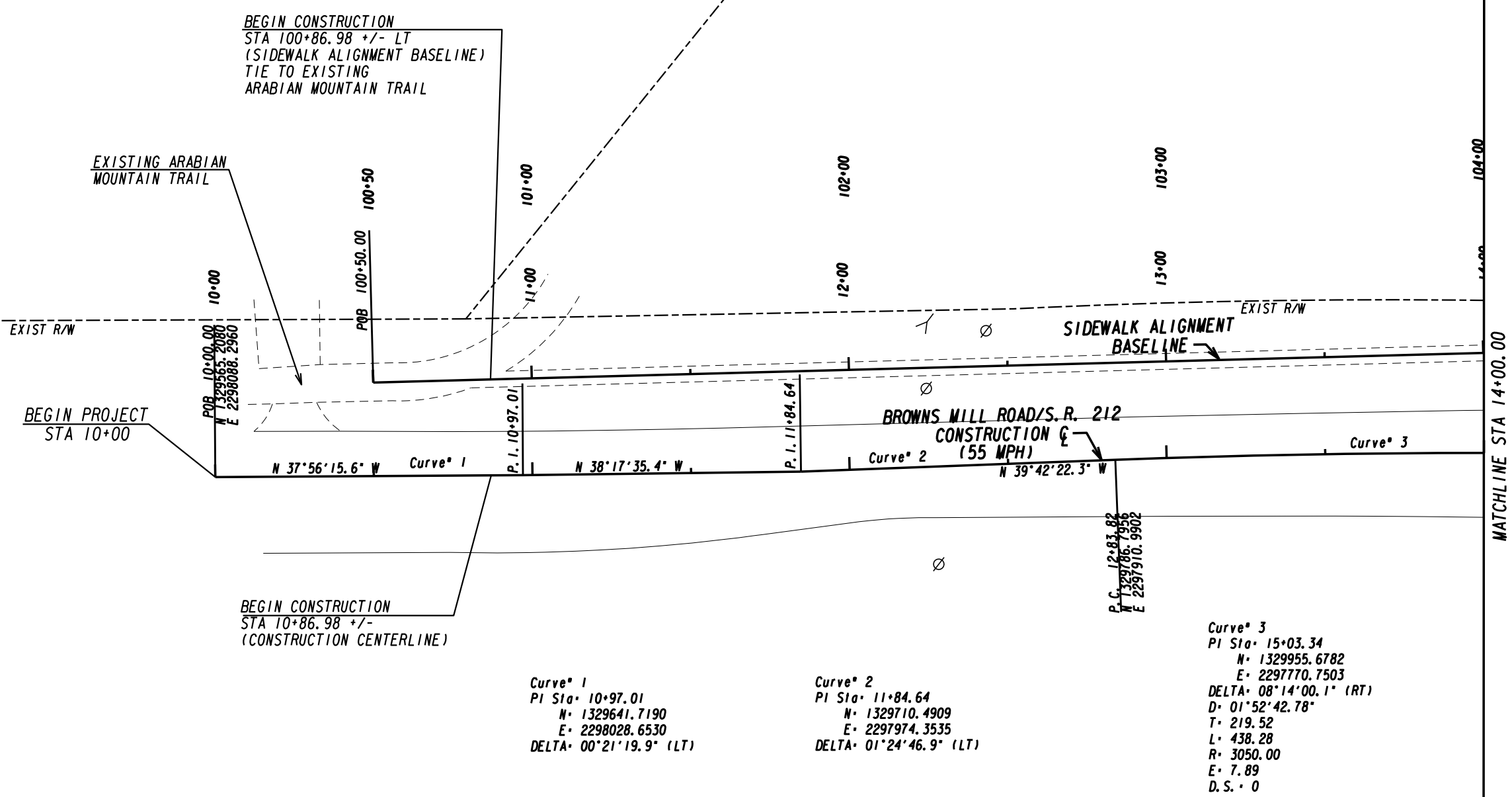
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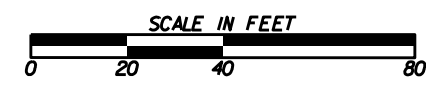


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		54-1004	



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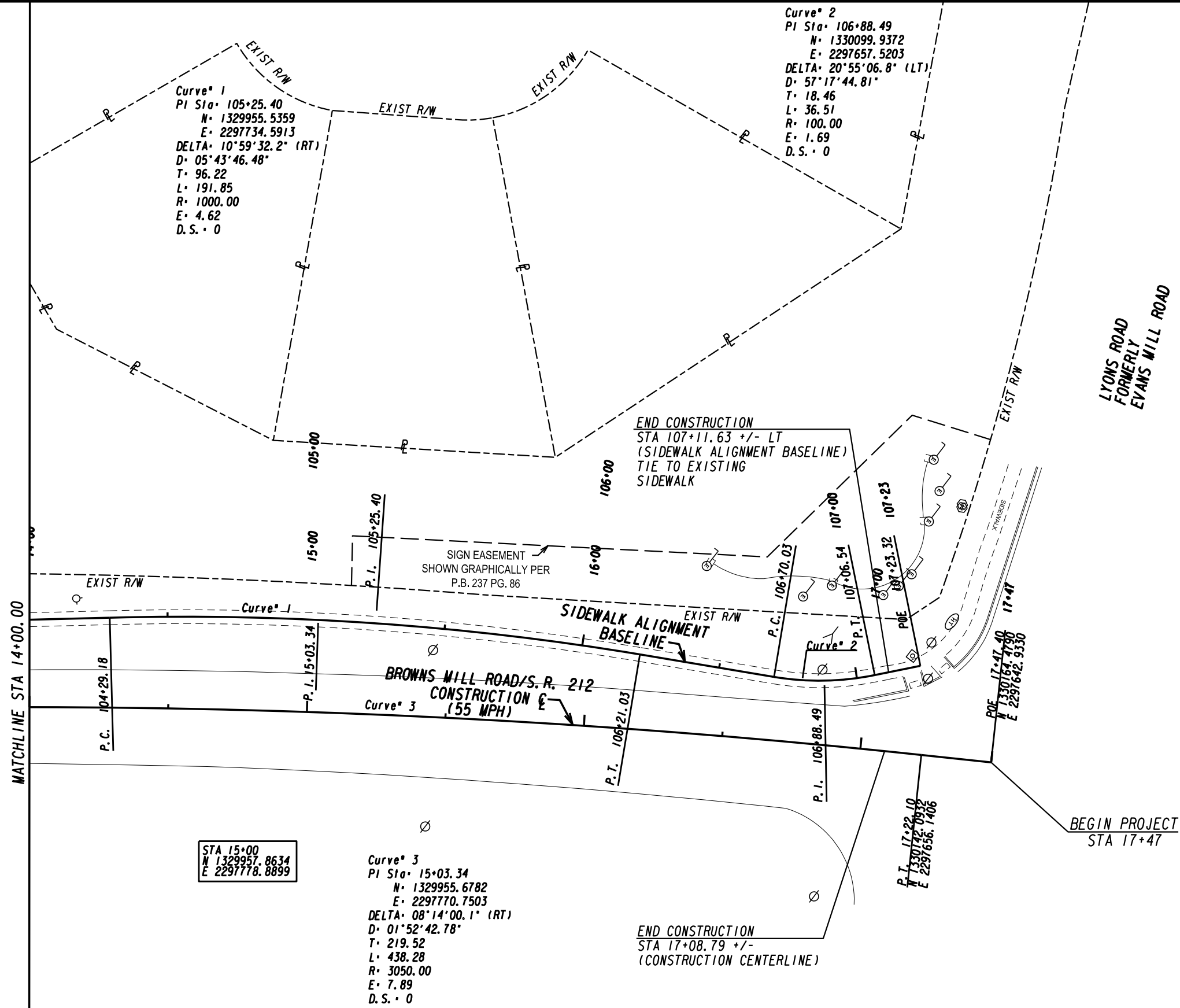
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RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES		DRAWING No.	
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VERIFIED:	DATE:	DATE:	

Browns Mill Road/S.R. 212
BMP LOCATION DETAILS
BEGIN PROJECT TO STA 14+00.00
(LOCATION '2)

54-1005



MATCHLINE STA 14+00.00

LYONS ROAD
FORMERLY
EVANS MILL ROAD

BROWNS MILL ROAD/S.R. 212
CONSTRUCTION (55 MPH)

END CONSTRUCTION
STA 107+11.63 +/- LT
(SIDEWALK ALIGNMENT BASELINE)
TIE TO EXISTING
SIDEWALK

BEGIN PROJECT
STA 17+47

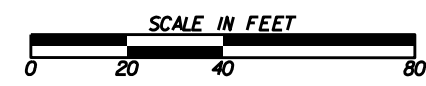
END CONSTRUCTION
STA 17+08.79 +/-
(CONSTRUCTION CENTERLINE)

STA 15+00
N 1329957.8634
E 2297778.8899

Curve 3
 PI Sta 15+03.34
 N 1329955.6782
 E 2297770.7503
 DELTA 08°14'00.1" (RT)
 D 01°52'42.78"
 T 219.52
 L 438.28
 R 3050.00
 E 7.89
 D.S. 0

Curve 2
 PI Sta 106+88.49
 N 1330099.9372
 E 2297657.5203
 DELTA 20°55'06.8" (LT)
 D 57°17'44.81"
 T 18.46
 L 36.51
 R 100.00
 E 1.69
 D.S. 0

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R.K. SHAH & ASSOCIATES, INC.
 SUBMITTED BY
 RAJENDRAKUMAR K. SHAH, P.E.



REVISION DATES	

**Browns Mill Road/S.R. 212
 BMP LOCATION DETAILS
 STA 14+00.00 TO END PROJECT
 (LOCATION #2)**

CHECKED:	DATE:	DRAWING No.
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Project Number	SHEET	TOTAL
LOCATION #2	01	01

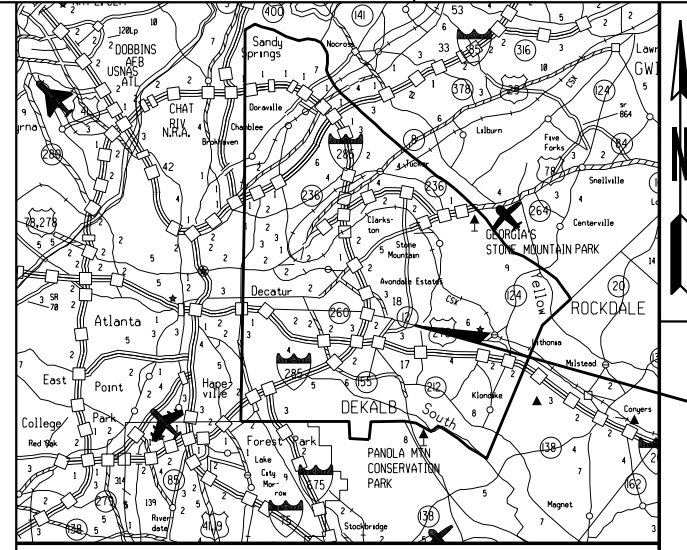
CITY OF STONECREST

RIGHT-OF-WAY PLAN OF PROPOSED SIDEWALKS ON

BROWNS MILL ROAD/S.R. 212 (LOCATION #2) - M.P.# 2.50

DEKALB COUNTY

FEDERAL ROUTE • N/A
STATE ROUTE • 212 - BROWNS MILL RD



LOCATION SKETCH

LOCATION #
LOCATION

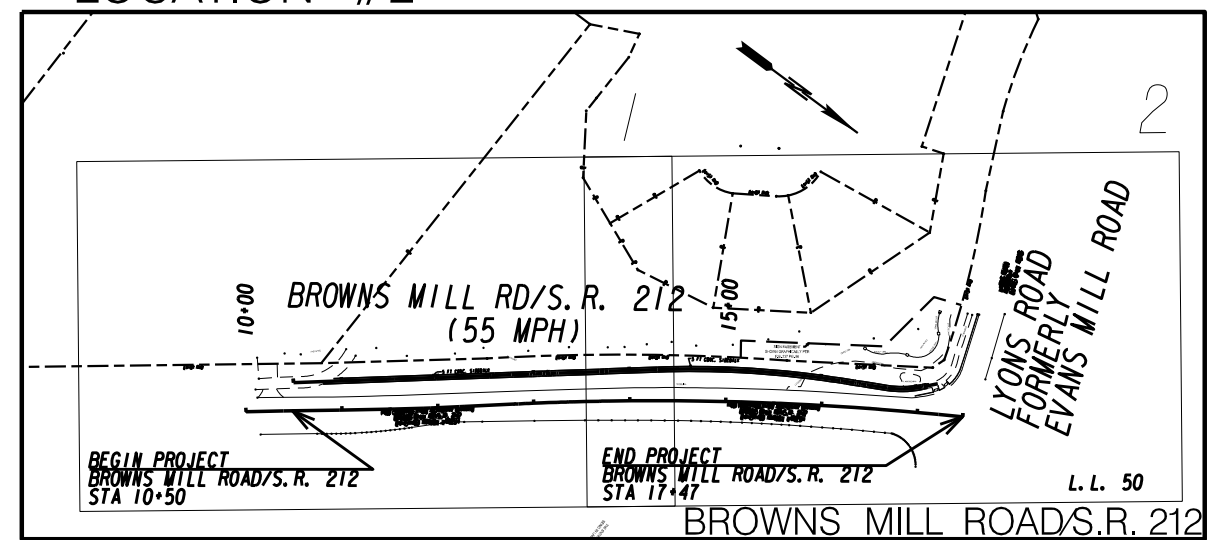
CONVENTIONAL SIGNS	
STATE OR COUNTY LINE	-----
CITY LIMIT LINE	-----
LAND LOT LINE	-----
PROPERTY LINE	-----
SURVEY OR BASE LINE	-----
RIGHT OF WAY LINE	EXISTING
	REQUIRED
LIMIT OF ACCESS	REDD R/W & LIMIT OF ACCESS
	R/W MARKERS
FENCE	-----
RAILROAD	-----
POWER LINE	-----
TELEPHONE LINE	-----
POWER/UTILITY POLES	-----
LIGHT POLES	-----

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.

PREPARED BY:

RKS&A R.K. SHAH & ASSOCIATES, INC.
ENGINEERS
TRANSPORTATION / SITE / CIVIL
570 PEACHTREE INDUSTRIAL BLVD, STE 200
SUWANEE, GEORGIA 30024
TELEPHONE 770-436-5070 / 770-765-6188

NO RIGHT-OF-WAY REQUIRED FOR BROWNS MILL ROAD S.R. 212 (LOCATION #2) - M.P.# 2.50



**BROWNS MILL ROAD/
S. R. 212
(LOCATION #2) - M. P. # 2.50**

LENGTH OF RIGHT OF WAY PROJECT	COUNTY No. 89 LOCATION #2 Browns Mill Rd
DEKALB COUNTY	MILES
NET LENGTH OF RIGHT OF WAY	0.000
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF RIGHT OF WAY	0.000



COUNTY COMMISSION DISTRICT 04
LOCATION #1 LOCATED IN
G.M.D. 1448
LAND DISTRICT 16

PLANS COMPLETED: 06-28-2023

REVISIONS:	
SHEET	DRAWING No.
01 OF 01	60-1001