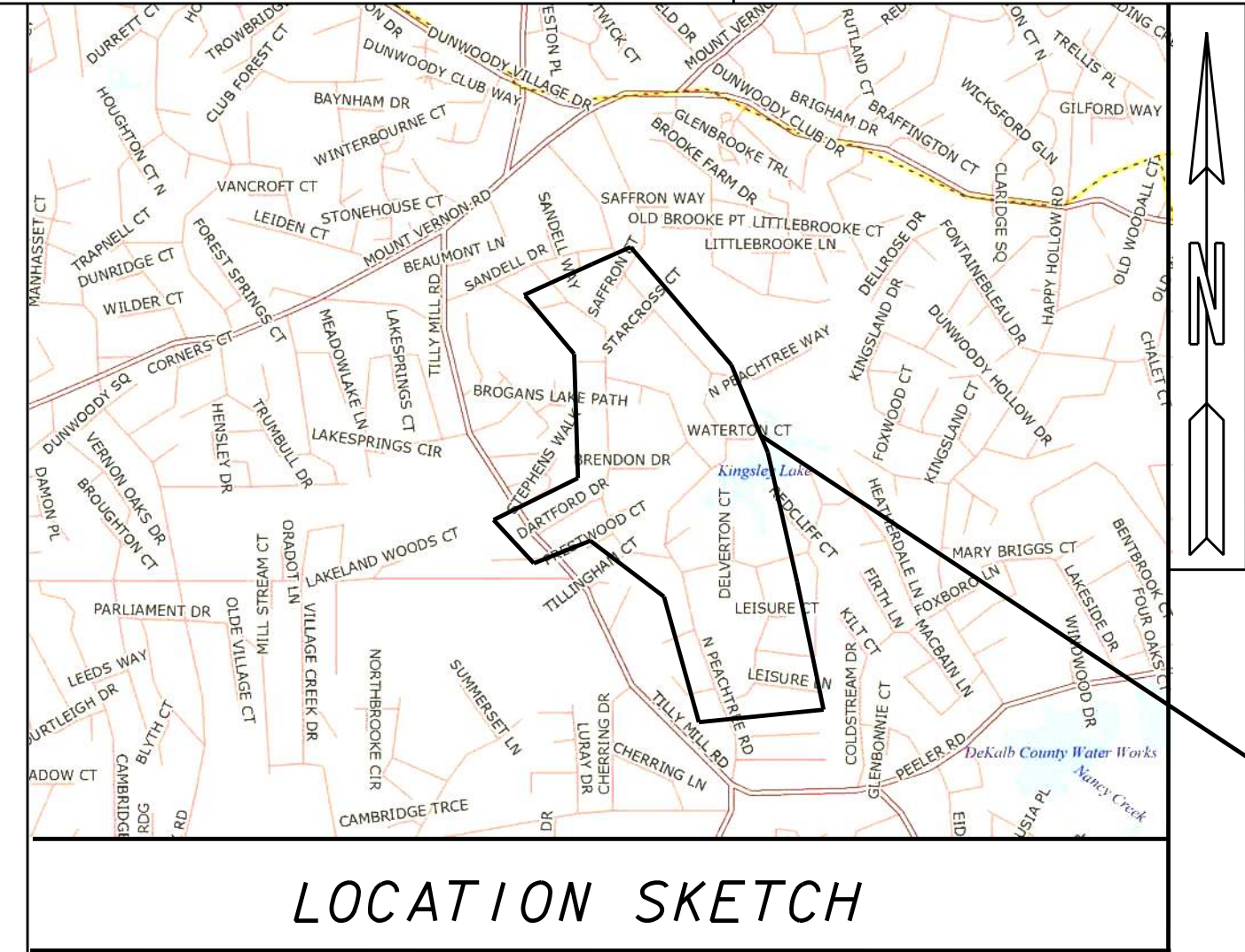




PROJECT LOCATION
DEKALB COUNTY

DESIGN DATA:
TRAFFIC A.D.T. : 603 (2013)
TRAFFIC A.D.T. : 663 (2033)
SPEED DESIGN: 25 MPH

FUNCTIONAL CLASS:
URBAN COLLECTOR STREET

THIS PROJECT IS 100% IN
DEKALB COUNTY AND IS
100% IN CONG. DIST. NO.6

PROJECT DESIGNATION:
DESIGNED IN ENGLISH UNITS.

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

MID-POINT COORDINATES
STA 112+80
N 1435470.0282
E 2256430.8983

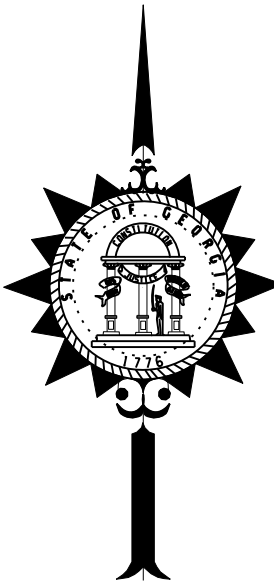
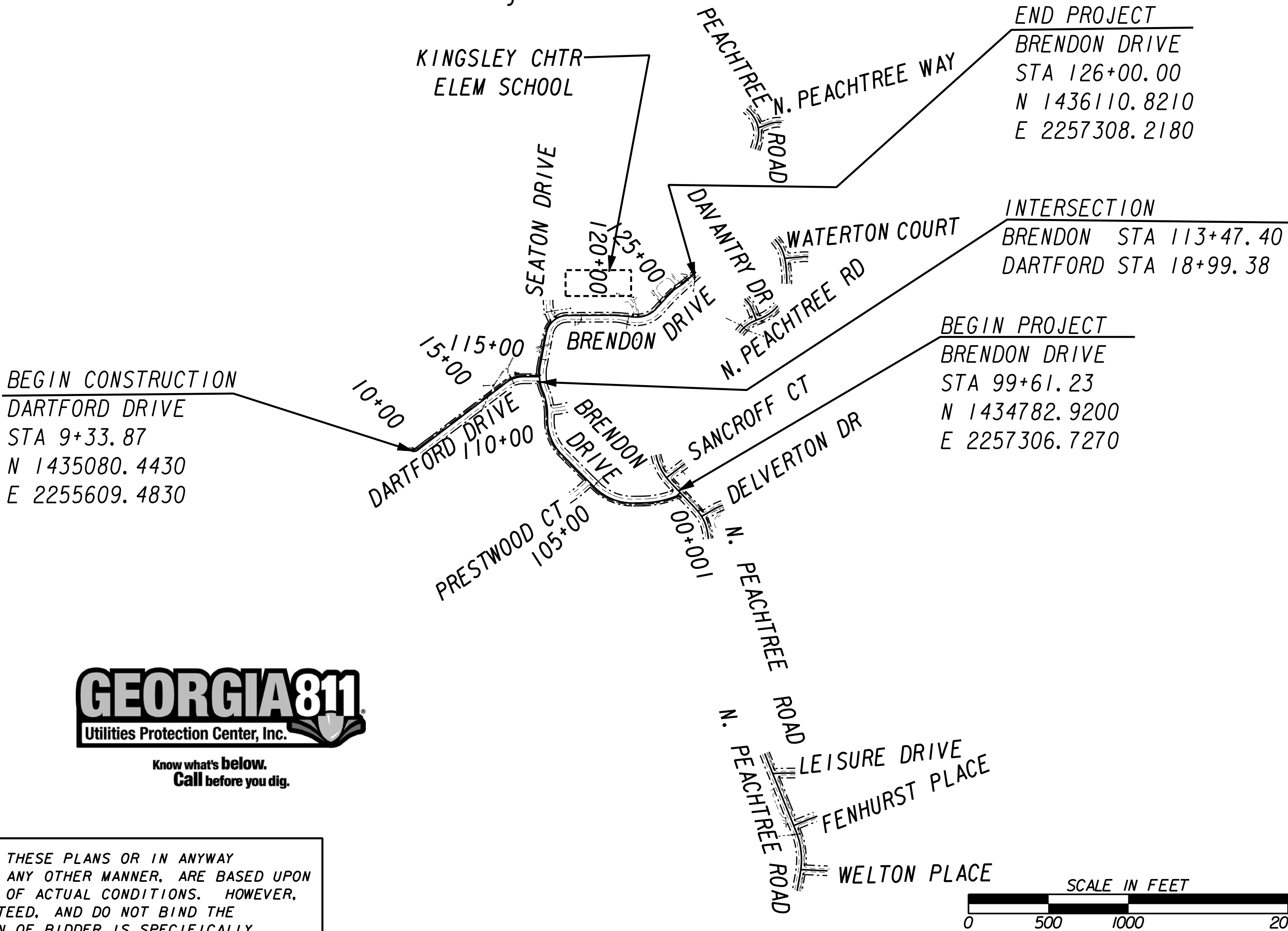
THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY
INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON
FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER,
THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT 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.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED KINGSLEY CHARTER ELEMENTARY SCHOOL IN THE CITY OF DUNWOODY SAFE ROUTES TO SCHOOL- (SRTS) DEKALB COUNTY FEDERAL AID PROJECT

PROJECT LOCATION
DEKALB COUNTY

FEDERAL ROUTE * N/A
STATE ROUTE * N/A
P. I. NO. 0010016



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.

PROJECT TO BE CONSTRUCTED PER GEORGIA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS, 2001 EDITION, AS APPROVED BY THE FEDERAL
HIGHWAY ADMINISTRATION AND AS MODIFIED BY CONTRACT DOCUMENTS.

THIS PROJECT HAS BEEN DESIGNATED TO COMPLYWITH TITLE 11 PROVISIONS
OF THE AMERICANS WITH DISABILITIES ACT (ADA).

LENGTH OF PROJECT		COUNTY No. 089 - DEKALB
COUNTY:	DEKALB	MILES
NET LENGTH OF ROADWAY		0.500
NET LENGTH OF BRIDGES		0.000
NET LENGTH OF PROJECT		0.500
NET LENGTH OF EXCEPTIONS		0.000
GROSS LENGTH OF PROJECT		0.500



LCW Engineering
INCORPORATED

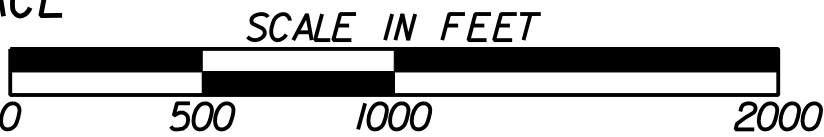
South DeKalb Business Park
4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231



PREPARED BY : Loretta C. Washington
LCW ENGINEERING INC.

RECOMMENDED FOR
APPROVAL BY : GEORGIA DEPARTMENT OF TRANSPORTATION
CHIEF ENGINEER

PLANS COMPLETED	03-12-2013
REVISIONS	



SHEET NO.	DWG NO.	DESCRIPTION
		INDEX
1	1-01	COVER SHEET
2	2-01	INDEX
3	3-01	REVISION SUMMARY
4	4-01	GENERAL NOTES
5	5-01	TYPICAL SECTIONS
6-10	6-01 TO 6-05	SUMMARY QUANTITIES
11	7-01	QUANTITIES AMENDMENT
12	8-01	QUANTITIES (CONSTRUCTION)
13-18	13-01 TO 13-06	MAINLINE PLAN SHEETS
19-24	14-01 TO 14-06	CROSSROAD PLAN SHEETS
25-28	17-01 TO 17-04	DRIVEWAY PROFILES
29	21-01	DRAINAGE AREA MAP
30-37	23-01 TO 23-08	EARTHWORK CROSS SECTIONS
38-50	24-00A TO 24-12	UTILITY PLANS
51	25-01	LIGHTING PLANS
52-63	26-01 TO 26-12	SIGNING AND MARKING PLANS
64	38-01	SPECIAL CONSTRUCTION DETAILS
65	50-01	EROSION CONTROL COVER SHEET
66-68	51-01 TO 51-03	ESPC GENERAL NOTES
69-74	52-01 TO 52-06	EROSION CONTROL LEGEND AND CODES
75	53-01	EROSION CONTROL DRAINAGE AREA MAP
76-83	54-01 TO 54-08	BMP LOCATION DETAILS
84	55-01	WATERSHED MAP / SITE MONITORING LOCATIONS
		CONSTRUCTION DETAILS
	A-1	DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE ALLEY GUTTER (7-11)
	A-3	SPECIAL DETAILS - CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS (6-09)
	A-4	DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING, AND ALIGNMENT REQUIREMENTS (6-09)
	T-01	SIGN PLATES (01-00)
	T-02	DETAILS FOR TYPICAL FRAMING (03-00)
	T-03A	TYPE 7, 8 AND 9 SQUARE TUBE POST INSTALLATION DETAIL (07-02)
	T-03B	DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT) (7-02)
	T-11A	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY (01-00)
	T-12A	DETAILS OF PAVEMENT MARKING ARROW LOCATION (01-00)
	T-12B	DETAILS OF PAVEMENT MARKING $\frac{1}{2}$ ARROW (04-00)
	T-13A	DETAILS OF PAVEMENT MARKING WORDS (SHEET 1 OF 2) (01-00)
	T-13B	DETAILS OF PAVEMENT MARKING WORDS (SHEET 2 OF 2) (01-00)
	SPECIAL	CURB RAMP WITH CONCRETE WALK CURB SEE DRWG. 38-01
	SPECIAL	ALUMINUM PICKET RAIL FENCE SEE DRWG. 38-01
	SPECIAL	SPEED TABLE SEE DRWG. 38-01

[illegible]

REVISION DATES			STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			INDEX	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 2-01	

[illegible][illegible]

PIPE CULVERT MATERIAL ALTERNATES FOR PIEDMONT/BLUE RIDGE REGION											
TYPE OF PIPE INSTALLATION			C O N C R E T E	CORRUGATED STEEL AASHTO M-36		CORRU- GATED ALUMINUM AASHTO M-196	PLASTIC				
				ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLY- ETHYLENE AASHTO M-252	CORR.POLY- ETHYLENE SMOOTHED LINED AASHTO M-294 TYPE "S"	POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	POLY VINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949	
S T O R M D R A I N	LONGITUDINAL INTERSTATE AND TRAVEL BEARING			X							
	LONGITUDINAL NON- INTERSTATE AND NON- TRAVEL BEARING			X	X		X		X	X	
	C R O S S D R A I N	GRADE ≤ 10%	ADT < 250	X	X	X	X		X	X	
			250 < ADT < 1500	X	X *		X		X	X	X
			1500 < ADT < 15,000	X					X	X	X
			ADT > 15,000	X							
	GRADE > 10%	ADT < 250		X	X	X		X	X	X	
		ADT > 250				X		X	X	X	
SIDE DRAIN			X	X	X	X		X	X	X	
PERMANENT SLOPE DRAIN				X	X	X		X	X	X	
PERFORATED UNDERDRAIN				X	X	X	X	X		X	

* THIS TYPE PIPE CAN BE USED IF THE ADDITION OF TYPE "B" COATING (AASHTO M-190, HALF BITUMINOUS COATED WITH PAVED INVERT) IS UTILIZED.

NOTE:

- ALL MATERIALS ARE INDICATED BY AN "X".
- STRUCTURAL REQUIREMENTS OF STORM DRAIN PIPE WILL BE IN ACCORDANCE WITH GEORGIA STANDARD I030-D OR I030-P, WHICHEVER IS APPLICABLE, AND THE STANDARD SPECIFICATIONS.
- GRADED AGGREGATE BACKFILL SHALL BE USED IN CROSS DRAIN APPLICATIONS FOR ALL PLASTIC PIPES (AASHTO M-294, HDPE PIPE, AASHTO M-304, PVC PIPE, ASTM F-949, PVC PIPE).
- THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IF A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.
- PIPE USED UNDER MECHANICALLY STABILIZED EARTH (MSE) WALLS, WITHIN MSE WALL BACKFILL, OR WITHIN FIVE FEET OF AN MSE WALL FACE SHALL BE CLASS V CONCRETE PIPE.
- PROJECT SPECIFIC pH AND RESISTIVITY VALUES ARE ENTERED INTO THE RESPECTIVE BOXES ABOVE TO DETERMINE ALLOWABLE PIPE MATERIALS.

PROJECT NOTES:

- ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED AS FOLLOWS. I.E., ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE AND ASPHALT FOR EARTH/GRAVEL, EXCEPT AS NOTED ON THE PLANS. THE DEPTH OF THE MATERIALS SHALL BE AS FOLLOWS:

ASPHALT AND EARTH DRIVEWAYS: COMMERCIAL: RECYCLED ASPHALT CONC. 12.5mm SUPERPAVE, 165*/SQ.YD.
RECYCLED ASPHALT CONC. 19mm SUPERPAVE, 220*/SQ.YD.
6" GRADED AGGREGATE BASE

CONCRETE DRIVEWAYS: COMMERCIAL: 8" CONCRETE VALLEY GUTTER
6" CONCRETE DRIVEWAY

ASPHALT AND EARTH DRIVEWAYS: RESIDENTIAL: RECYCLED ASPHALT CONC. 12.5mm SUPERPAVE, 165*/SQ.YD.

CONCRETE DRIVEWAYS: RESIDENTIAL: 6" CONCRETE VALLEY GUTTER
6" CONCRETE DRIVEWAY
- A NOTICE OF INTENT (NOI) IS NOT REQUIRED FOR THIS PROJECT. DISTURBED AREA IS 0.70 ACRES.
- DETECTABLE WARNING STRIPS ARE TO BE PLACED WHERE A SIDEWALK CROSSES A VEHICULAR WAY, EXCLUDING UNSIGNALIZED DRIVEWAY CROSSINGS. SEE PLANS FOR LOCATIONS
- CONCRETE WHEELCHAIR RAMPS WITHIN RADII SHALL BE 8 INCHES IN DEPTH
- ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL.
- THERE IS NO SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLLY APPROVED SITE TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE DEPARTMENT.
- THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR RELOCATING, OR RECONSTRUCTING BRICK, MASONRY OR STONE MAILBOXES.
- THE COST FOR THE RAISED ASPHALT CONCRETE WALKS, ALUMINUM PICKET RAILING, REPLACE YIELD ARROWS, AND RELOCATE MAILBOXES SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE.
- THE COST FOR CURB RAMP WITH CONCRETE WALK CURB SHALL BE INCLUDED IN THE COST FOR SIDEWALK.

UTILITY NOTES:

THE FOLLOWING UTILITY OWNERS HAVE FACILITIES WHICH MAY CONFLICT WITH CONSTRUCTION ON THIS PROJECT:

- GEORGIA POWER COMPANY: ELECTRICITY
DEKALB COUNTY WATER & SEWER: WATER/SEWER
AGL NETWORKS: GAS
COMCAST: CABLE TV
- GEORGIA POWER TRANSMISSION: ELECTRICITY

BELLSOUTH TELECOMMUNICATIONS, INC.: TELEPHONE

ATLANTA GAS LIGHT COMPANY: GAS

CITY OF DUNWOODY TRAFFIC ENGINEERING: SIGNALS

AT&T COMMUNICATIONS: TELEPHONE

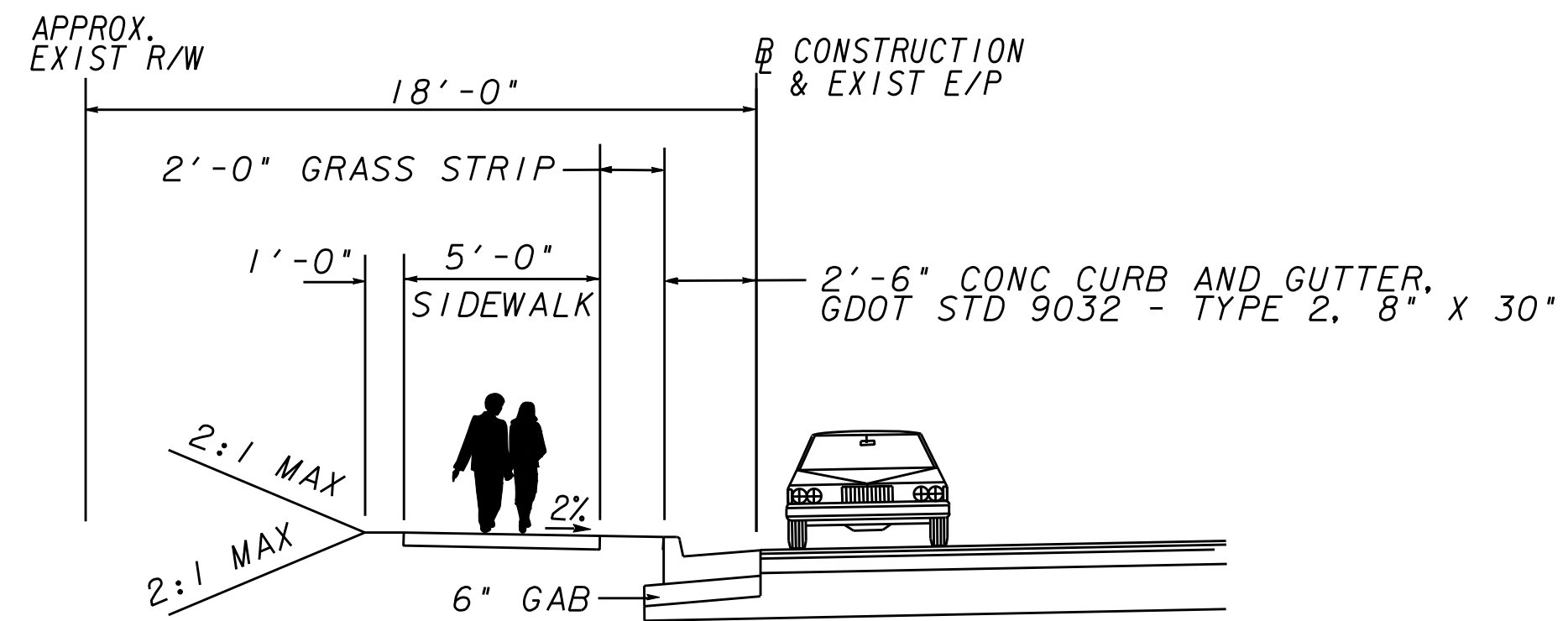
VERIZON: TELEPHONE



Environmental Resources Impact Table

Resource Name/Type	Location		Side	Construction Activity	Permitted Activity	Controlling Criteria	Special Provision?	Comments including any permit expiration dates
	Beginning STA	Ending STA						
Perennial Stream 1 (PS1)	Brendon Drive 115+25	Brendon Drive 115+36	left	sidewalk onstruction	25 linear ft and 51 square feet of stream impacts	Ecology Report	No	Design plans will display orange barrier fencing along the undisturbed portions of the 25-foot riparian buffer of PS1 located on the north side of Brendon Drive
Perennial Stream 1 Buffer Variance	Brendon Drive 115+25	Brendon Drive 115+36	left	sidewalk onstruction	Activities within 25 ft of the stream apply to 51 square feet of impacts due to sidewalk construction	Ecology Report	No	Work within 25 ft of the stream will require a buffer variance or written permission from EPD prior to commencement of the activity.
Perennial Stream 1 Stream Mitigation Credits	Brendon Drive 115+25	Brendon Drive 115+36	left	sidewalk onstruction	Activities within 25 ft of the stream apply to 51 square feet of impacts due to sidewalk construction	Ecology Report	No	5.87 stream mitigation credits will be acquired form a USACE-approved commercial mitigation bank serving the Priary Service Area (HUC 03130001).

REVISION DATES



TYPICAL SECTION 1

BRENDON DRIVE STA 99+61.23 TO STA 117+10.00
BRENDON DRIVE STA 124+71.00 TO STA 126+00.00
DARTFORD DRIVE STA 9+33.87 TO STA 18+99.38

GRADING COMPLETE	
LUMP SUM	LS

TRAFFIC CONTROL	
LUMP SUM	LS

CONCRETE SIDEWALK, 4"		
LOCATION	QUANTITY SQ FT	QUANTITY SQ YD
BRENDON DRIVE		
STA 99+93.48 TO STA 105+56.65, LT	3057	340
STA 106+20.48 TO STA 113+00 LT	3646	405
STA 113+00 TO STA 113+12 LT	63	7
STA 113+31.61 TO STA 116+95.49 LT	1818	202
STA 124+84.37 TO STA 125+44.19 LT	297	33
TOTAL	8881	987
DARTFORD DRIVE		
STA 9+33.87 TO STA 18+72.90 LT	4946	550
STA 18+72.90 TO STA 19+03.83 LT	153	17
TOTAL	5099	567
N. PEACHTREE RD & DELVERTON DRIVE	279	31
N. PEACHTREE RD & SANCROFF COURT	288	32
N. PEACHTREE RD & WELTON PLACE	198	22
N. PEACHTREE RD & FENHURST PLACE	207	23
N. PEACHTREE RD & LEISURE DRIVE	99	11
N. PEACHTREE RD & WATERTON COURT	126	14
N. PEACHTREE RD & N. PEACHTREE WAY	99	11
N. PEACHTREE RD & SAFFRON DRIVE	117	13
GRAND TOTAL	15393	1711

CONCRETE SIDEWALK, 8"	
TOTAL	420 SY
(FOR CONC CURB CUT WHEELCHAAIR RAMPS, 8")	

CONC. CURB & GUTTER, 6"X30", TP 2	
STA 106+20.39 TO 113+00 LT	578 LF
STA 99+61.23 TO STA 105+38.90, LT	680 LF
STA 114+16.91 TO STA 117+00 LT	283 LF
STA 124+84.37 TO STA 125+44.19 LT	60 LF
BRENDON DRIVE TOTAL	1601 LF
STA 9+41.91 TO STA 18+72.90, LT	931 LF
STA 18+72.90 TO STA 18+99.38 LT	27 LF
DARTFORD DRIVE TOTAL	958 LF
TOTAL	2559 LF

SUMMARY OF DRIVEWAY QUANTITIES			
LOCATION	WIDTH	CONC VALLEY GUTTER, 6"	
STATION & SIDE	FEET	SQ. YD.	
BRENDON DRIVE			
100+93 LT	14.31	18	
101+35 LT	14	16	
102+71 LT	14.71	17	
103+07 LT	14.06	16	
103+82 LT	14.71	17	
108+23 LT	14	16	
108+75 LT	14.06	16	
110+24 LT	14	16	
110+79 LT	14	16	
112+01 LT	14.65	17	
116+25 LT	14	16	
BRENDON DRIVE TOTAL		181	
DARTFORD DRIVE			
9+89 LT	14	17	
11+30 LT	14.04	16	
12+34 LT	14	16	
13+46 LT	14	16	
14+80 LT	14	16	
15+85 LT	14	16	
18+27 LT	14.45	17	
DARTFORD DRIVE TOTAL		114	
GRAND TOTAL		295	

LOCATION	ADJUST WM TO GRADE	* RELOCATE MAILBOXES	* REPLACE YIELD ARROWS	* ALUM PICKET FENCE	* RAISED ASPHALT CROSSWALKS	LIGHTING SYSTEM
UNITS	EA	EA	EA	LF	LF	LS
BRENDON DRIVE	9	11		40	30	1
DARTFORD DRIVE	8	7	12		30	
N. PEACHTREE RD.					60	
TOTAL	17	18	12	40	120	1

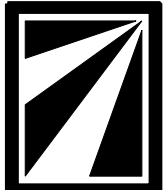
* PAID FOR IN BID PRICE FOR GRADING COMPLETE

DRAINAGE ITEMS											
STRUCTURE NUMBER	LOCATION		ADJUST CB TO GRADE								COMMENTS
			EACH								
	BRENDON DRIVE										
A-1	105+45.59 LT		1								
B-1	114+57.38 LT		1								
D-1	119+00 LT		1								
E-1	122+00 LT		1								
	DARTFORD DRIVE										
C-1	17+23.24 LT		1								
	TOTAL		5								

EROSION CONTROL													
		TEMPORARY GRASSING	MULCH	CONSTR. AND REMOVE INLET SEDIMENT TRAP	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	MAINTENANCE OF INLET SEDIMENT TRAP	WATER QUALITY MONITORING AND SAMPLING	WATER QUALITY INSPECTIONS	TEMPORARY SILT FENCE, TP A	BARRIER FENCE (ORANGE), 4 FT		PERMANENT GRASSING	AGRICULTURAL LIME
												LIQUID LIME	FERTILIZER MIXED GRADE
												FERTILIZER NITROGEN CONTENT	EROSION CONTROL MATS, SLOPES
UNITS		AC	TN	EA	LF	EA	EA	MO	LF	LF	AC	TN	GL
BRENDON DRIVE AND DARTFORD DRIVE		1	2	5	300	5	2	9	600	167	1	3	3
TOTAL		1	2	5	300	5	2	9	600	167	1	3	3
												2	100
												2	1780

SUMMARY OF QUANTITIES - STANDARD SIGNS

STATION BRENDON DRIVE	INSTL. NO.	SIGN CODE	HIGHWAY SIGNS					
			TP 1 MATL. REFL SHEETING TP 9			TYPE 7		
			SIZE	QUANTITY	SQ FEET.	LENGTH (FEET)	QUANTITY	TOTAL LENGTH
2601+50 LT		S1-1	30"X 30"	1	6.25	13	1	13
2601+50 LT		W 16-9P	12"X 6"	1	0.50			
2602+67 RT		W17-1	30"X 30"	1	6.25	13	1	13
2602+67 RT		W13-1	18"X 18"	1	2.25			
2603+18 RT		R1-1	30"X 30"	1	6.25	12	1	12
2603+27 RT		S1-1	30"X 30"	1	6.25	13	1	13
2603+27 RT		W 16-7P	12"X 6"	1	0.50			
100+17 LT		S1-1	30"X 30"	1	6.25	12	1	12
100+17 LT		W 16-7P	12"X 6"	1	0.50			
2605+17 LT		S1-1	30"X 30"	1	6.25	13	1	13
2605+17 LT		W 16-7P	12"X 6"	1	0.50			
102+17 LT		W 16-7P	12"X 6"	1	0.50			
102+17 LT		S1-1	30"X 30"	1	6.25	13	1	13
99+97 LT		R1-1	30"X 30"	1	6.25	12	1	12
105+72 LT		S1-1	30"X 30"	1	6.25	13	1	13
105+72 LT		W 16-7P	12"X 6"	1	0.50			
107+72 LT		S1-1	30"X 30"	1	6.25	13	1	13
107+72 LT		W 16-9P	12"X 6"	1	0.50			
107+73 LT		R1-1	30"X 30"	1	6.25	12	1	12
109+31 RT		S1-1	30"X 30"	1	6.25	13	1	13
109+31 RT		W 16-9P	12"X 6"	1	0.50			
111+45 RT		R1-1	30"X 30"	1	6.25	12	1	12
111+51 RT		S1-1	30"X 30"	1	6.25	13	1	13
111+51 RT		W 16-7P	12"X 6"	1	0.50			
110+47 RT		W17-1	30"X 30"	1	6.25			
110+47 RT		W13-1	18"X 18"	1	2.25	13	1	13
111+56 LT		S1-1	30"X 30"	1	6.25	13	1	13
111+56 LT		W 16-9P	12"X 6"	1	0.50			
111+79 LT		S1-1	30"X 30"	1	6.25	13	1	13
111+79 LT		W 16-7P	12"X 6"	1	0.50			
112+68 LT		S1-1	30"X 30"	1	6.25	13	1	13
112+68 LT		W 16-9P	12"X 6"	1	0.50			
			TOTAL THIS SHEET		123			229



LCWEngineering
INCORPORATED
South DeKalb Business Park
4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231

SUMMARY OF QUANTITIES - STANDARD SIGNS

STATION BRENDON DRIVE	INSTL. NO.	SIGN CODE	HIGHWAY SIGNS					
			TP 1 MATL. REFL SHEETING TP 9			TYPE 7		
			SIZE	QUANTITY	SQ FEET.	LENGTH (FEET)	QUANTITY	TOTAL LENGTH
112+76 LT		W17-1	30"X 30"	1	6.25	13	1	13
112+76 LT		W13-1	18"X 18"	1	2.25			
112+29 LT		R2-1	24"X 25"	1	4.17	12	1	12
116+95 LT		R1-1	30"X 30"	1	6.25	12	1	12
116+43 LT		R2-1	24"X 25"	1	4.17	12	1	12
117+11 LT		S1-1	30"X 30"	1	6.25	13	1	13
117+11 LT		W 16-7P	12"X 6"	1	0.50			
122+24 LT		R1-1	30"X 30"	1	6.25	12	1	12
122+61 LT		R3-1	24"X 24"	1	4.00	12	1	12
122+62 LT		RELOCATE	12"X 12"	1	1.00	13	1	13
125+60 LT		R5-1	30"X 30"	1	6.25	12	1	12
DARTFORD DRIVE								
9+70 LT		R1-1	30"X 30"	1	6.25	13	1	13
11+00 LT		R8-3A	18"X 18"	1	2.25	12	1	12
11+00 LT		R72-01A	12"X 6"	1	0.50			
11+51 LT		W13-1	30"X 30"	1	6.25	12	1	12
11+51 LT		W17-1	30"X 30"	1	6.25			
12+13 LT		R8-3A	18"X 24"	1	3.00	13	1	13
12+13 LT		R72-01A	12"X 6"	1	0.50			13
14+42 LT		R8-3A	18"X 18"	1	2.25	13	1	13
14+42 LT		R72-01A	12"X 6"	1	0.50			13
16+60 LT		S1-1	12"X 6"	1	0.50	13	1	13
16+60 LT		W 16-9P	12"X 6"	1	0.50	13	1	13
16+84 LT		W 16-9P	12"X 6"	1	0.50	13	1	13
16+84 LT		R8-3A	18"X 24"	1	3.00	13	1	13
16+84 LT		R72-01A	12"X 6"	1	0.50			13
17+34 LT		W13-1	18"X 18"	1	2.25	13	1	13
17+34 LT		W17-1	30"X 30"	1	6.25	13	1	13
18+05 LT				1	1.00	13	1	13
18+55 LT		R8-3A	18"X 18"	1	2.25	13	1	13
18+55 LT		R72-01A	12"X 6"	1	0.50			
18+55 LT		R1-1	30"X 30"	1	6.25	13	1	13
18+60 RT		S1-1	30"X 30"	1	6.25	13	1	13
			TOTAL THIS SHEET		102.84			343

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE: PROGRAM DELIVERY
SUMMARY OF QUANTITIES

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
6-02

SUMMARY OF QUANTITIES - STANDARD SIGNS

STATION	INSTL. NO.	HIGHWAY SIGNS						
		SIGN CODE	TP 1 MATL. REFL SHEETING TP 9			TYPE 7		
			SIZE	QUANTITY	SQ FEET.	LENGTH (FEET)	QUANTITY	TOTAL LENGTH
DARTFORD DRIVE								
18+60 RT		W 16-7P	12"X 6"	1	0.50			
18+75 RT		SI-1	30"X 30"	1	6.25	13	1	13
18+75 LT		SI-1	30"X 30"	1	6.25	13	1	13
N PEACHTREE RD & FENHURST PL								
19999+83 LT		RI-1	30"X 30"	1	6.25	12	1	12
19999+83 LT		SI-1	30"X 30"	1	6.25	13	1	13
19999+83 LT		W 16-7P	12"X 6"	1	0.50			
20001+83 LT		SI-1	30"X 30"	1	6.25	13	1	13
20001+83 LT		W 16-7P	12"X 6"	1	0.50			
N PEACHTREE RD & WELTON PL								
10000+00 LT		RI-1	30"X 30"	1	6.25	12	1	12
10000+03 LT		SI-1	30"X 30"	1	6.25	13	1	13
10000+03 LT		W 16-7P	12"X 6"	1	0.50			
10002+03 LT		SI-1	30"X 30"	1	6.25	13	1	13
10002+03 LT		W 16-9P	12"X 6"	1	0.50			
N PEACHTREE RD & DAVANTRY DR								
2616+19 RT		SI-1	30"X 30"	1	6.25	13	1	13
2616+19 RT		W 16-9P	12"X 6"	1	0.50			
2617+07 RT		W17-1	30"X 30"	1	6.25	13	1	13
2617+07 RT		W13-1	18"X 18"	1	2.25			
2618+19 RT		SI-1	30"X 30"	1	6.25	13	1	13
2618+19 RT		W 16-7P	12"X 6"	1	0.50			
61+08 RT		RI-1	30"X 30"	1	6.25	12	1	12
61+08 RT		SI-1	30"X 30"	1	6.25	13	1	13
61+08 RT		W 16-7P	12"X 6"	1	0.50			
59+08 RT		SI-1	30"X 30"	1	6.25	13		13
59+08 RT		W 16-9P	12"X 6"	1	0.50			
2618+46 LT		SI-1	30"X 30"	1	6.25	12	1	12
2618+37 LT		RI-1	30"X 30"	1	6.25	13	1	13
			TOTAL THIS SHEET		106.75			204

SUMMARY OF QUANTITIES - STANDARD SIGNS

STATION	INSTL. NO.	HIGHWAY SIGNS						
		SIGN CODE	TP 1 MATL. REFL SHEETING TP 9			TYPE 7		
			SIZE	QUANTITY	SQ FEET.	LENGTH (FEET)	QUANTITY	TOTAL LENGTH
N PEACHTREE RD & DAVANTRY DR								
2618+46 LT		W 16-7P	12"X 6"	1	0.50			
2618+58 RT		RI-1	30"X 30"	1	6.25	12	1	12
2619+51 LT		W17-1	30"X 30"	1	6.25	13	1	13
2619+51 LT		W13-1	18"X 18"	1	2.25			
2620+46 LT		SI-1	30"X 30"	1	6.25	13	1	13
2620+46 LT		W 16-9P	12"X 6"	1	0.50			
2620+58 LT		RI-1	30"X 30"	1	6.25	12	1	12
N. PEACHTREE RD & SAFFRON DR.								
5999+88.34 LT		SI-1	30"X 30"	1	6.25	13	1	13
5999+88.34 LT		W 16-7P	12"X 6"	1	0.50			
6001+88.34 LT		SI-1	30"X 30"	1	6.25	13	1	13
6001+88.34 LT		W 16-9P	12"X 6"	1	0.50			
5999+88 LT		RI-1	30"X 30"	1	6.25	12	1	12
N. PEACHTREE RD & SAFFRON CT								
5999+18 RT		RI-1	30"X 30"	1	6.25	12	1	12
N. PEACHTREE RD & LEISURE DR								
29999+94 LT		RI-1	30"X 30"	1	6.25	12	1	12
29999+83 LT		SI-1	30"X 30"	1	6.25	13	1	13
29999+83 LT		W 16-7P	12"X 6"	1	0.50			
30000+83 LT		SI-1	30"X 30"	1	6.25	13	1	13
30000+83 LT		W 16-9P	12"X 6"	1	0.50			
N. PEACHTREE RD & DELVERTON DR								
39+84 LT		RI-1	30"X 30"	1	6.25	12	1	12
39+87 LT		SI-1	30"X 30"	1	6.25	13	1	13
39+87 LT		W 16-7P	12"X 6"	1	0.50			
41+87 LT		SI-1	30"X 30"	1	6.25	13	1	13
41+87 LT		W 16-9P	12"X 6"	1	0.50			
2601+50 LT		SI-1	30"X 30"	1	6.25	13	1	13
2601+50 LT		W 16-9P	12"X 6"	1	0.50			
			TOTAL THIS SHEET		100.50			189

SUMMARY OF QUANTITIES - STANDARD SIGNS

STATION	INSTL. NO.	HIGHWAY SIGNS						
		SIGN CODE	TP 1 MATL. REFL SHEETING TP 9			TYPE 7		
			SIZE	QUANTITY	SQ FEET.	LENGTH (FEET)	QUANTITY	TOTAL LENGTH
N. PEACHTREE RD & DELVERTON DR								
2601+17 RT		W 16-7P	12"X 6"	1	0.50			
2601+17 RT		SI-1	30"X 30"	1	6.25	13	1	13
N. PEACHTREE RD & WATERTON CT								
69+84 RT		RI-1	30"X 30"	1	6.25	12	1	12
69+84 RT		SI-1	30"X 30"	1	6.25	13	1	13
69+84 RT		W16-7P	12"X6"	1	0.50			
71+84 RT		SI-1	30"X30"	1	6.25	13	1	13
71+84 RT		W16-9P	12"X6"	1	0.50			
N. PEACHTREE RD & N PEACHTREE WAY								13
4999+59 LT		RI-1	30"X30"	1	6.25	12	1	
4999+64 LT		SI-1	30"X30"	1	6.25	13	1	13
4999+64 LT		W16-7P	12"X6"	1	0.50			
5001+64 LT		SI-1	30"X30"	1	6.25	13	1	
5001+64 LT		W16-9P	12"X6"	1	0.50			
N. PEACHTREE RD & LEISURE DR								
2999+94 LT		RI-1	30"X30"	1	6.25	12	1	12
2999+83 LT		SI-1	30"X30"	1	6.25	13	1	13
2999+83 LT		W16-7P	12"X6"	1	0.50			
3000+83 LT		SI-1	30"X30"	1	6.25	13	1	13
3000+83 LT		W16-9P	12"X6"	1	0.50			
N. PEACHTREE RD & SANCROFF CT								
2605+17 LT		SI-1	12"X12"	1	1.00	13	1	13
2605+17 LT		W16-9P	12"X6"	1	0.50			
2604+74 LT		W13-1	30"X30"	1	6.25	13	1	13
2604+74 LT		W17-1	30"X30"	1	6.25			
2604+00 LT		SI-1	18"X18"	1	2.25	13	1	13
2604+00 LT		W16-7P	12"X6"	1	0.50			
			TOTAL THIS SHEET		81.75			154

SUMMARY OF QUANTITIES - STANDARD SIGNS

STATION	INSTL. NO.	HIGHWAY SIGNS						
		SIGN CODE	TP 1 MATL. REFL SHEETING TP 9			TYPE 7		
			SIZE	QUANTITY	SQ FEET.	SIZE	QUANTITY	SQ. FEET
N. PEACHTREE RD & SANCROFF CT								
2604+00 LT		RI-1	30"X30"	1	6.25	12	1	12
2603+27 LT		SI-1	30"X30"	1	6.25	13	1	13
2603+18 LT		RI-1	30"X30"	1	6.25	12	1	12
2602+67 LT		W17-1	30"X30"	1	6.25	13	1	13
2602+67 LT		W13-1	18"X18"	1	2.25			
BRENDON DRIVE								
126+18 RT		R8-3A	18"X18"	1	2.25	13	1	13
126+18 RT		R72-01A	12"X6"	1	0.50			
126+35 RT		R8-3A	18"X18"	1	2.25	13	1	13
126+35 RT		R72-01A	12"X6"	1	0.50			
			TOTAL THIS SHEET		32.75			76
			GRAND TOTAL		547.59			1195

SUMMARY OF QUANTITIES - PAVEMENT MARKINGS

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

TRAFFIC STRIPE			
DESCRIPTION	UNIT	QUANTITY	
		ROADWAY	THERMOPLASTIC
24" SOLID WHITE	LIN FEET	DARTFORD DR	24
24" SOLID WHITE	LIN FEET	BRENDON DR	108
24" SOLID WHITE	LIN FEET	DAVANTRY DR & N. PEACHTREE RD	24
24" SOLID WHITE	LIN FEET	WATERTON CT & N. PEACHTREE RD	12
24" SOLID WHITE	LIN FEET	N. PEACHTREE WAY & N. PEACHTREE RD	12
24" SOLID WHITE	LIN FEET	SAFFRON DR & N. PEACHTREE RD	12
24" SOLID WHITE	LIN FEET	SAFFRON CT & N. PEACHTREE RD	12
24" SOLID WHITE	LIN FEET	WELTON PL & N. PEACHTREE RD	12
24" SOLID WHITE	LIN FEET	FENHURST PL & N. PEACHTREE RD	12
24" SOLID WHITE	LIN FEET	LEISURE DR & N. PEACHTREE RD	12
24" SOLID WHITE	LIN FEET	DELVERTON DR & N. PEACHTREE RD	12
24" SOLID WHITE	LIN FEET	SANCROFF CT & N. PEACHTREE RD	12
			TOTAL 264
8" SOLID WHITE	LIN FEET	VARIOUS LOCATIONS	2688
4" SOLID WHITE	LIN FEET	DARTFORD DRIVE	144

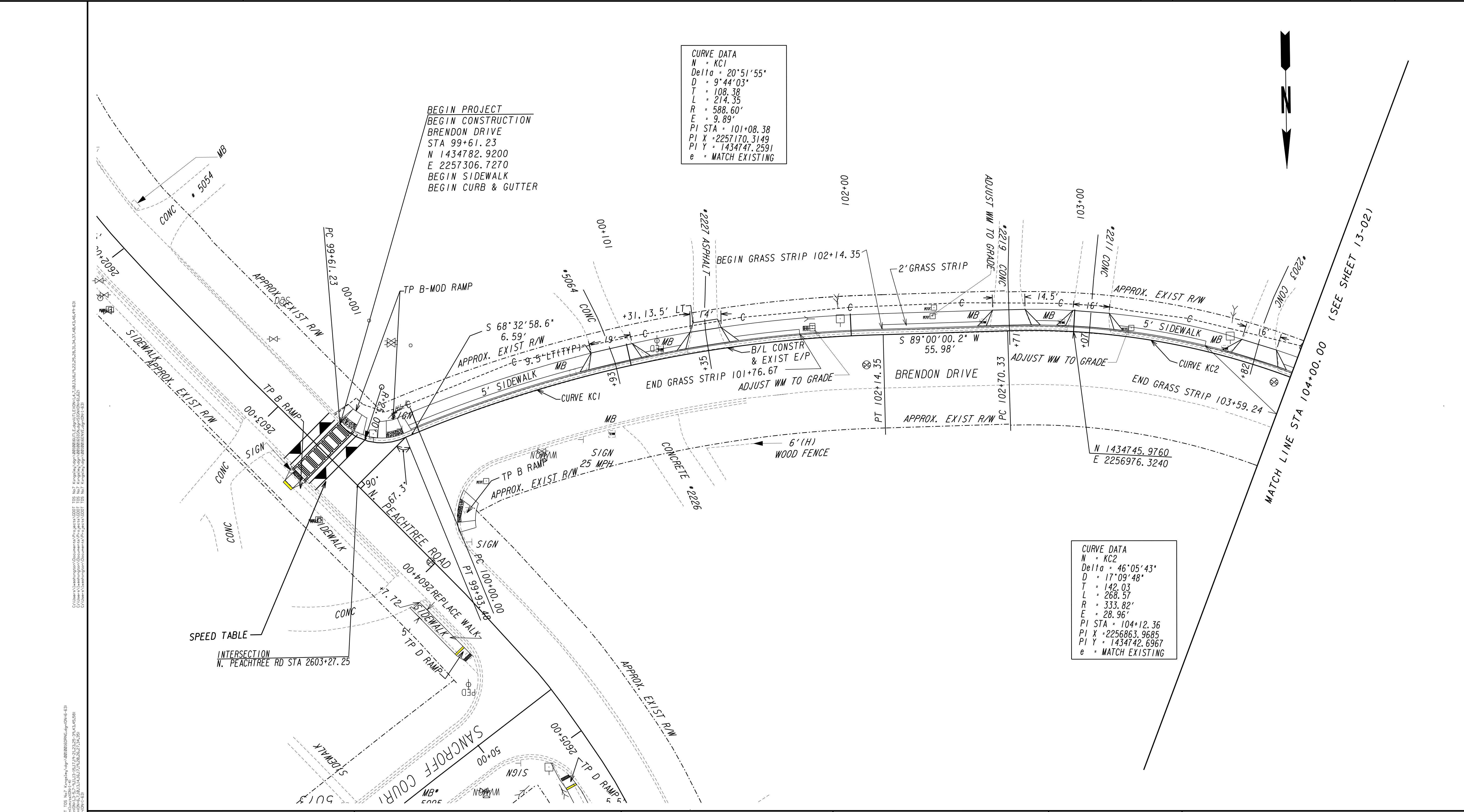
PAVEMENT MARKING ARROW, TP 2	WORD, TP 3A
12 EACH	3 EACH

QUANTITIES REQUIRED BY AMENDMENT

[illegible]

QUANTITIES REQUIRED ON CONSTRUCTION

[illegible]



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

-----R-----

-----C-----

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

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Decatur, Georgia 30035
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SCALE IN FEET

0

20

40

80

REVISION DATES

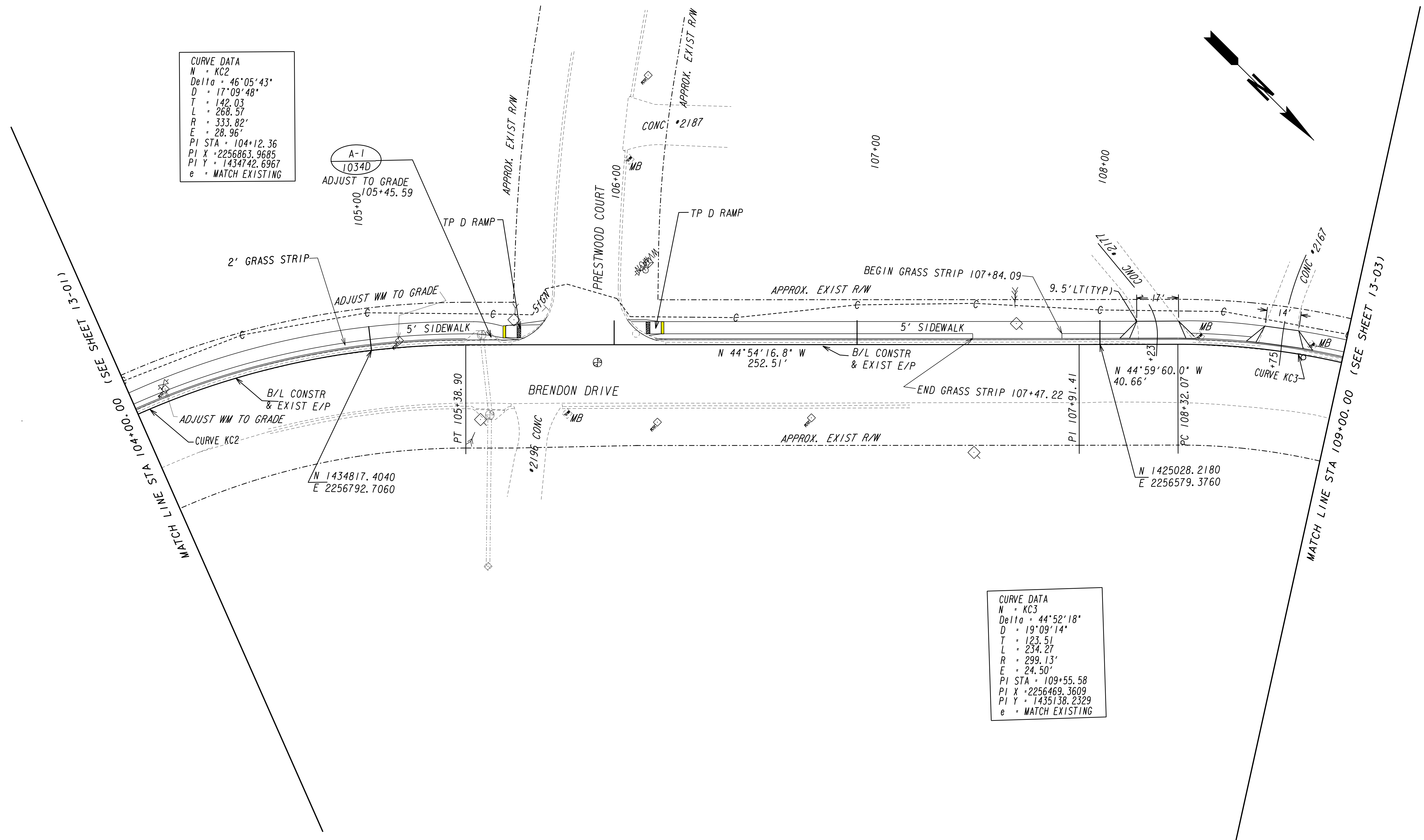
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
MAINLINE PLAN
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
13-01

1/5/2009

GPLN

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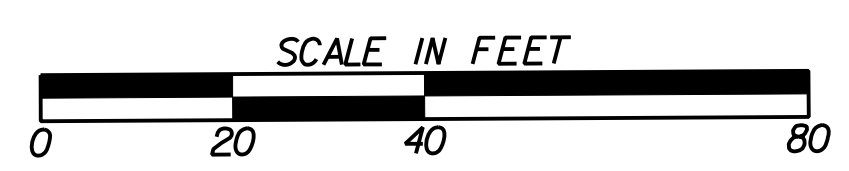


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 REQUIRED R/W LINE -----
 CONSTRUCTION LIMITS -----C-----F-----
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

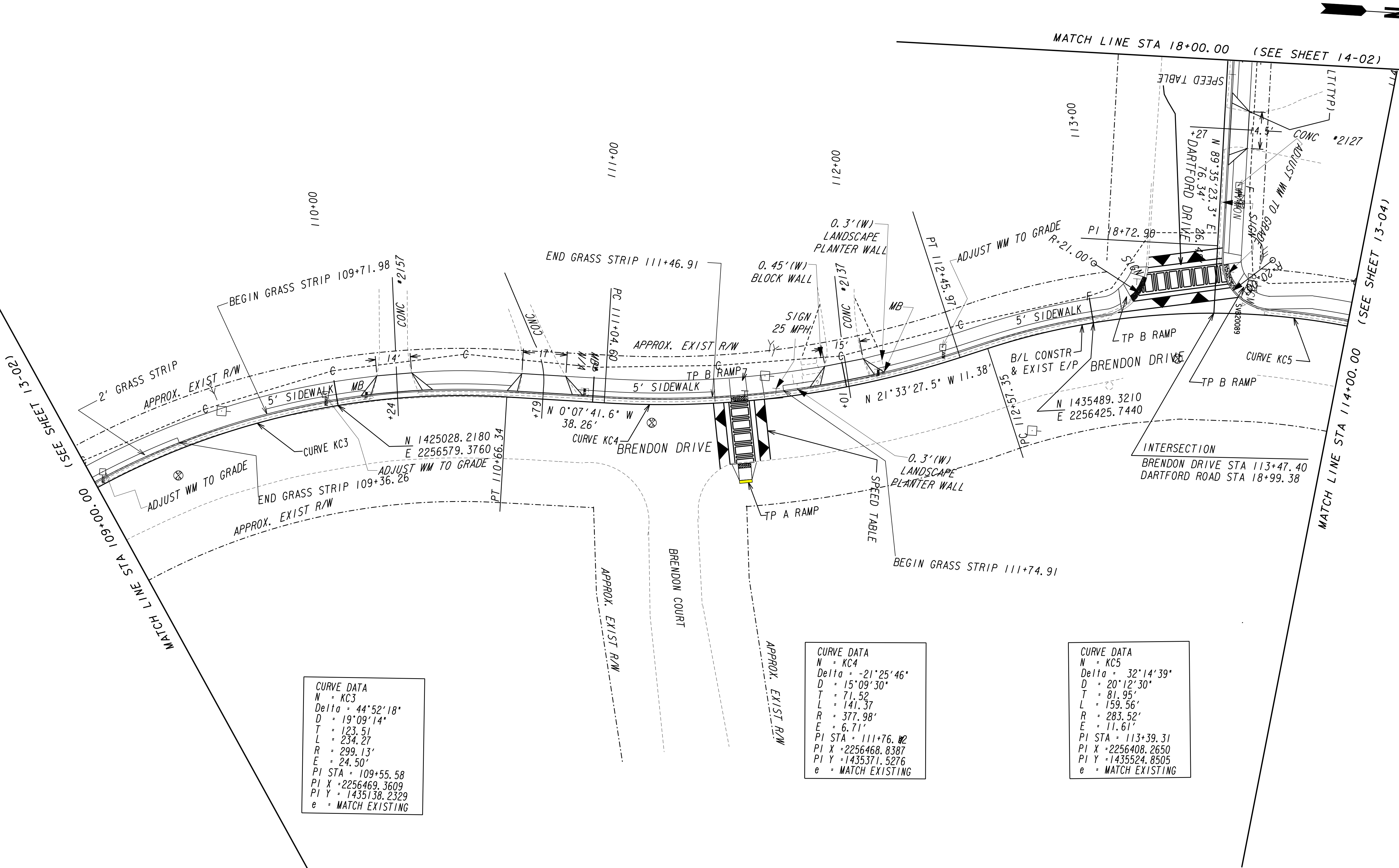
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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS               —○○○—○○○—
REQ'D R/W & LIMIT OF ACCESS—|||—|||—

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REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			MAINLINE PLAN	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 13-02	



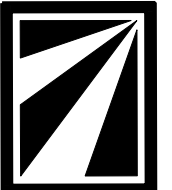
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N =	KC3
Delta =	44°52'18"
D =	19°09'14"
T =	123.51
L =	234.27
R =	299.13'
E =	24.50'
PI STA =	109+55.58
PI X =	2256469.3609
PI Y =	1435138.2329
e =	MATCH EXISTING

CURVE DATA	
N =	KC4
Delta =	-21°25'46"
D =	15°09'30"
T =	71.52
L =	141.37
R =	377.98'
E =	6.71'
PI STA =	111+76.42
PI X =	2256468.8387
PI Y =	1435371.5276
e =	MATCH EXISTING

CURVE DATA	
N =	KC5
Delta =	32°14'39"
D =	20°12'30"
T =	81.95'
L =	159.56'
R =	283.52'
E =	11.61'
PI STA =	113+39.31
PI X =	2256408.2650
PI Y =	1435524.8505
e =	MATCH EXISTING

PROPERTY AND EXISTING R/W LINE	-----E-----
REQUIRED R/W LINE	-----F-----
CONSTRUCTION LIMITS	-----C-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	-----H-----
EASEMENT FOR CONSTR OF SLOPES	-----I-----
EASEMENT FOR CONSTR OF DRIVES	-----J-----

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS



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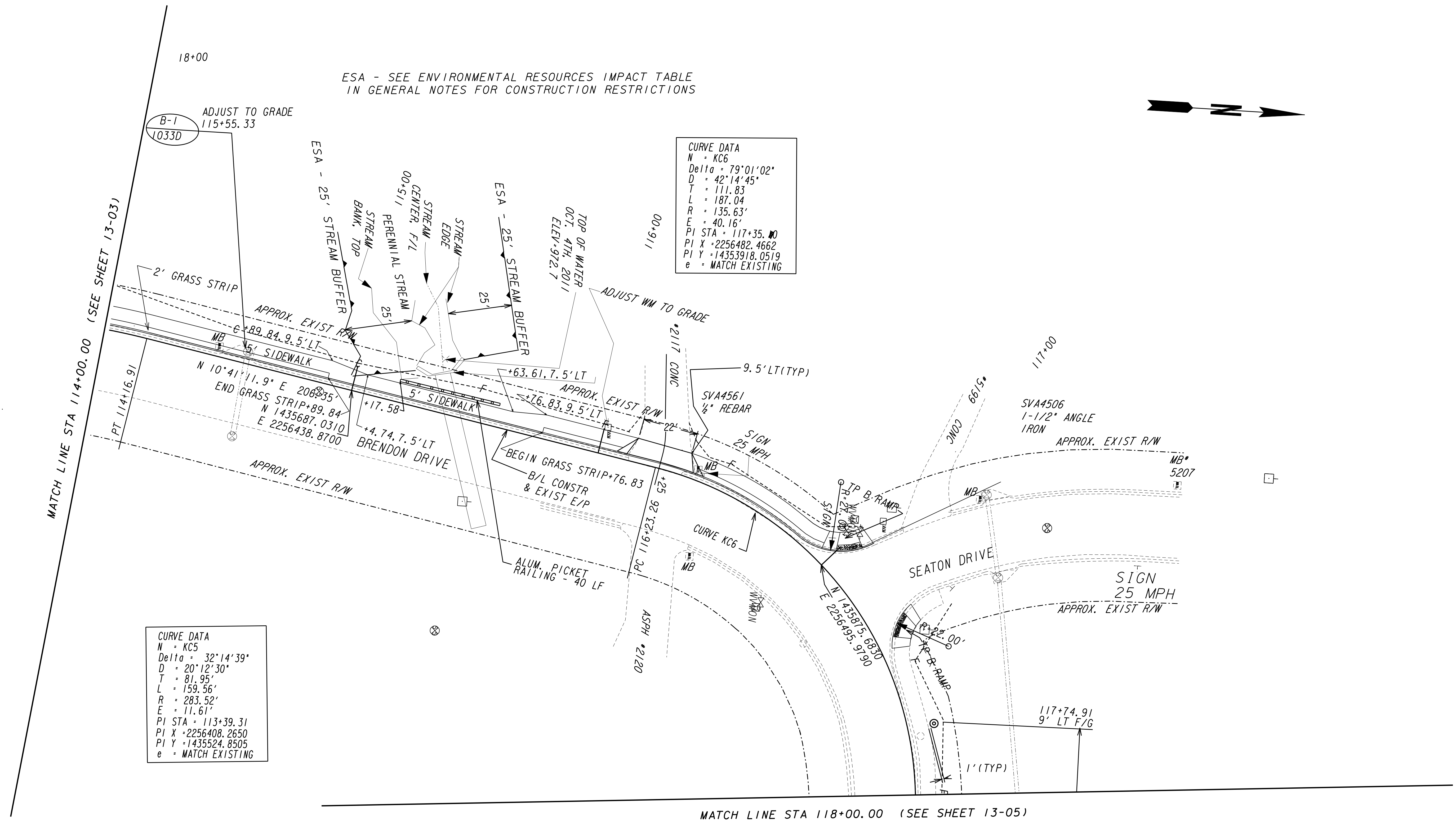


REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
MAINLINE PLAN

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
13-03



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

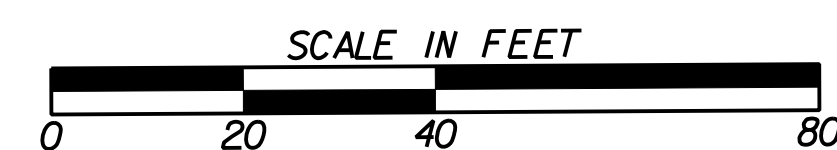
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REQ'D R/W & LIMIT OF ACCESS —||—||—

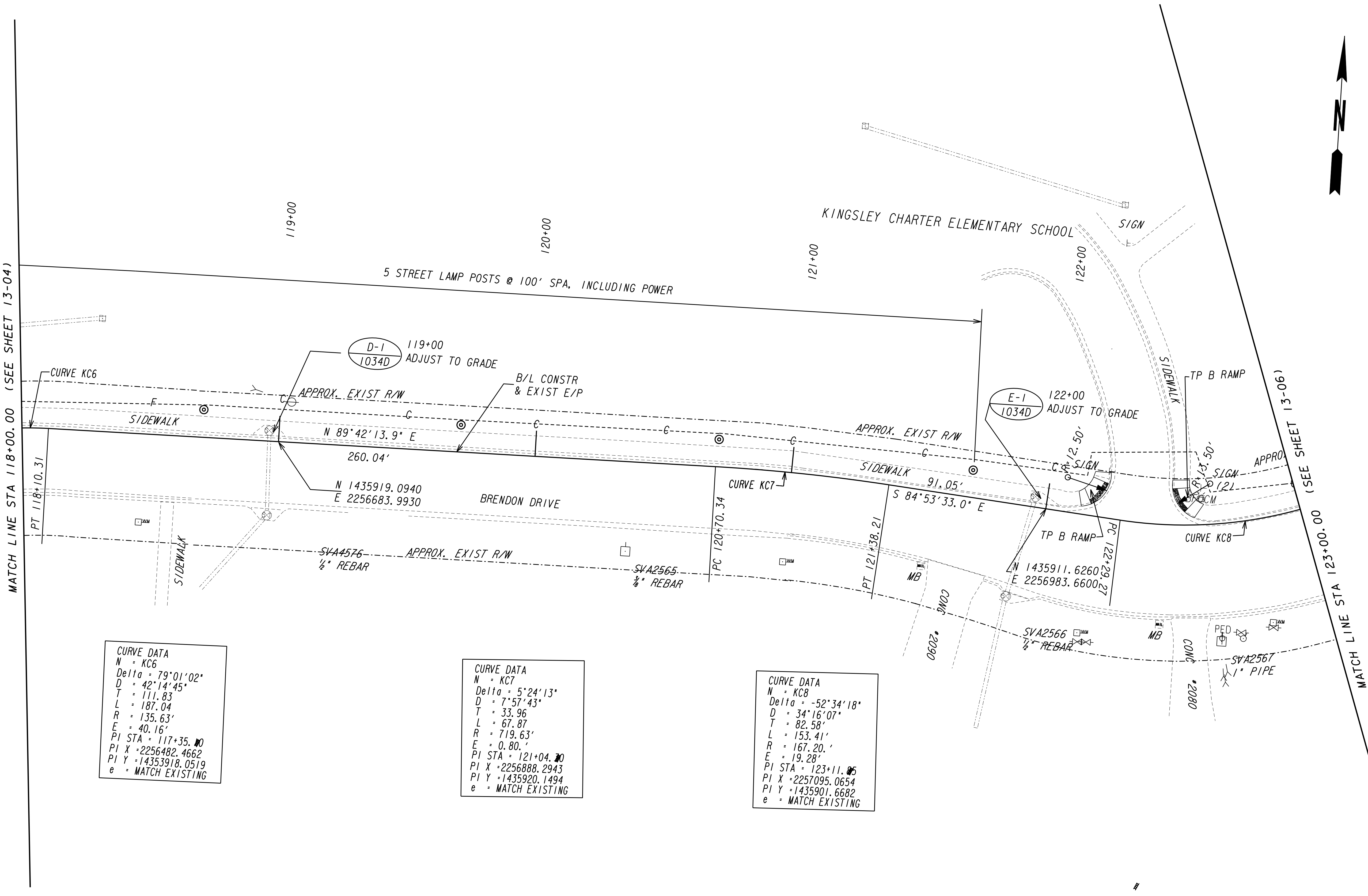
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REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			MAINLINE PLAN	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 13-04	



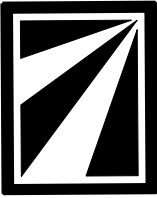
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N = KC6
Delta = 79°01'02"
D = 42°14'45"
T = 111.83
L = 187.04
R = 135.63'
E = 40.16'
PI STA = 117+35.00
PI X = 2256482.4662
PI Y = 14353918.0519
e = MATCH EXISTING

CURVE DATA
N = KC7
Delta = 5°24'13"
D = 7°57'43"
T = 33.96
L = 67.87
R = 719.63'
E = 0.80'
PI STA = 121+04.00
PI X = 2256888.2943
PI Y = 1435920.1494
e = MATCH EXISTING

CURVE DATA
N = KC8
Delta = -52°34'18"
D = 34°16'07"
T = 82.58'
L = 153.41'
R = 167.20'
E = 19.28'
PI STA = 123+11.05
PI X = 2257095.0654
PI Y = 1435901.6682
e = MATCH EXISTING

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS



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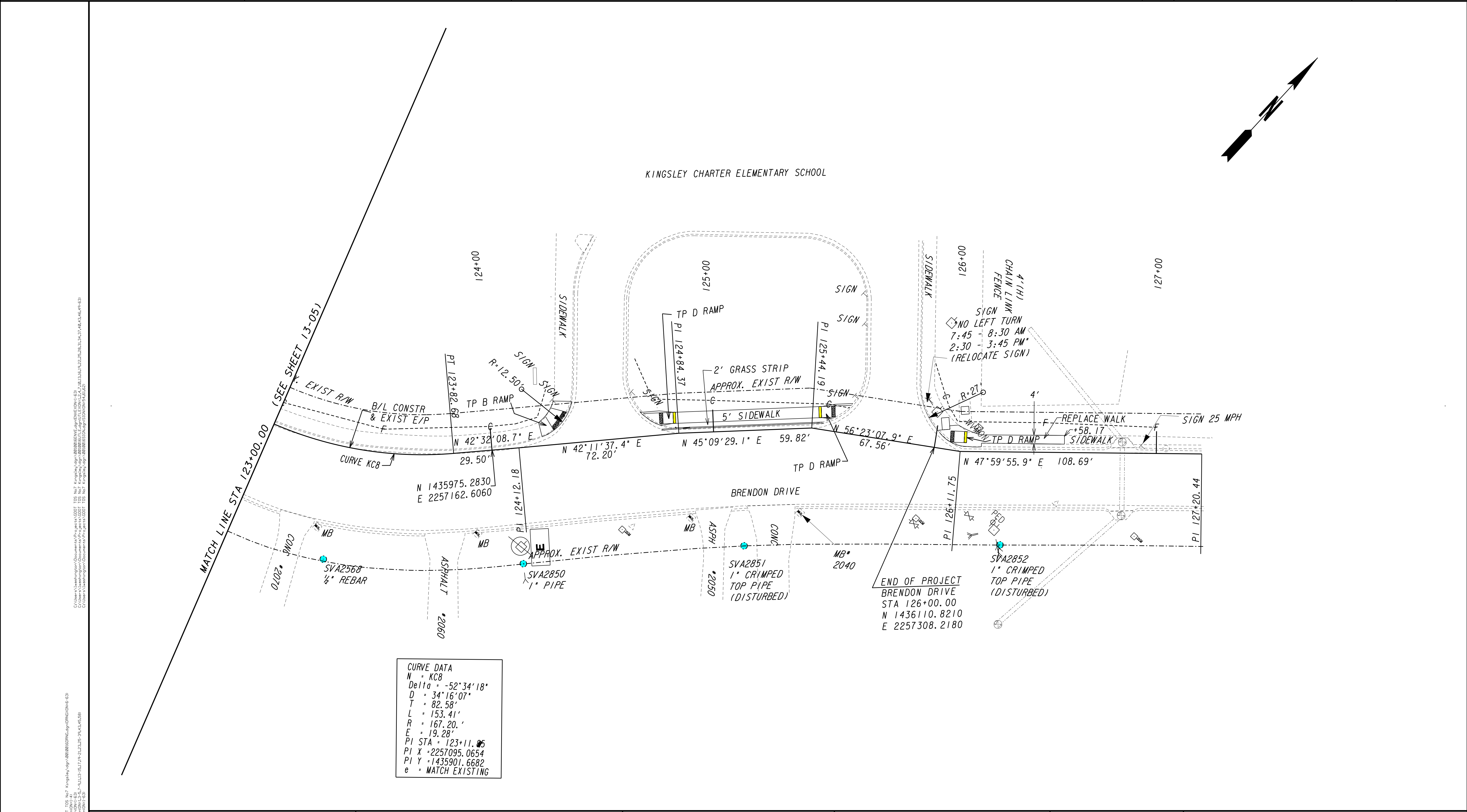


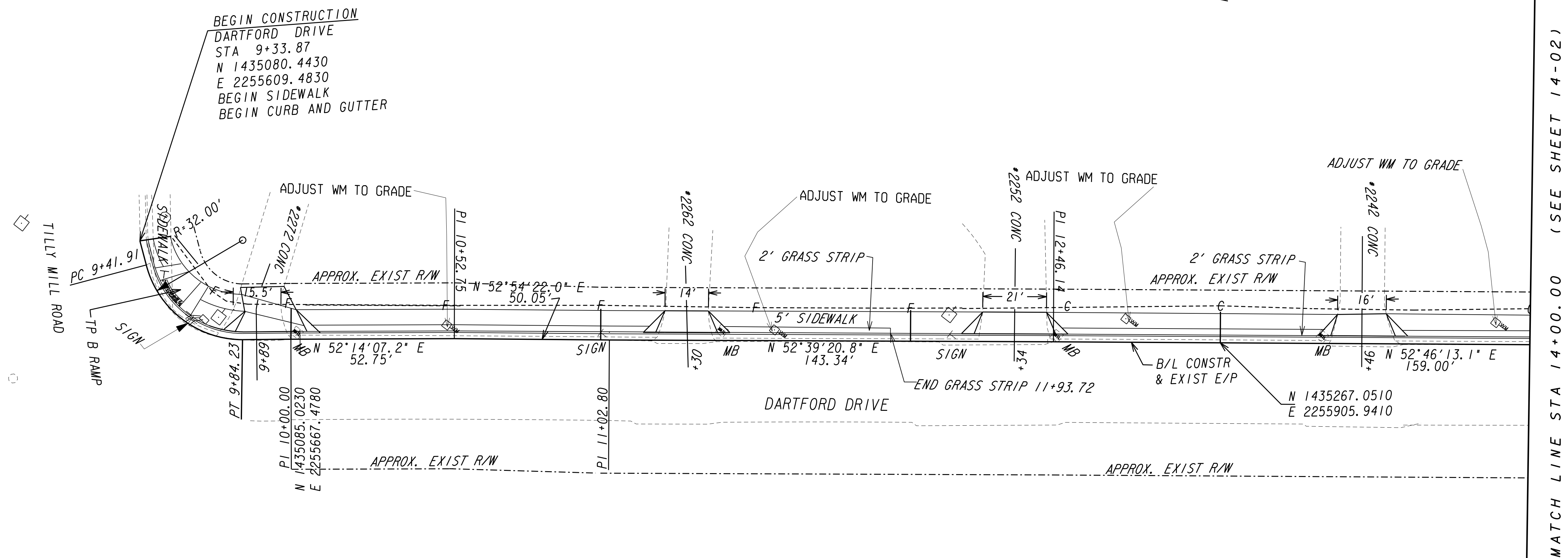
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
MAINLINE PLAN

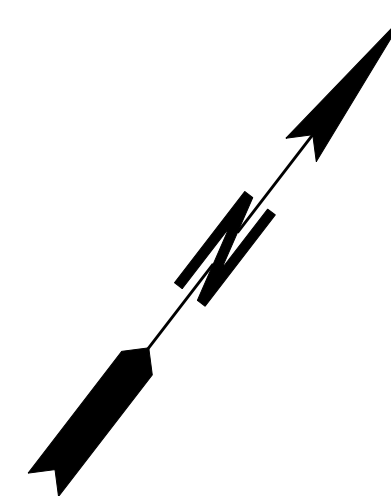
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
13-05





MATCH LINE STA 14+00.00 (SEE SHEET 14-02)



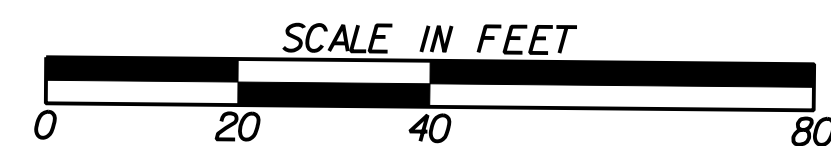
REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
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			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 14-01	

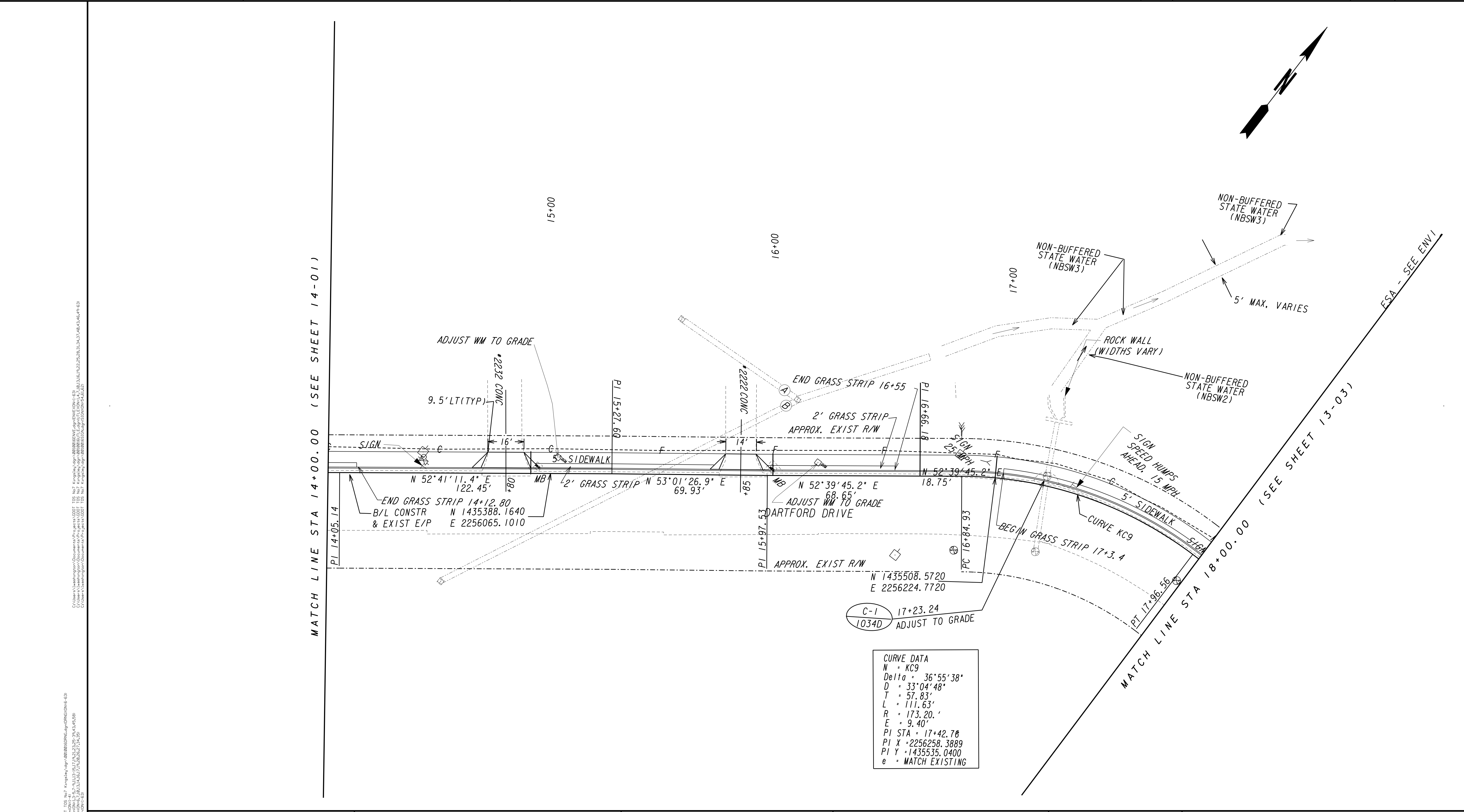
PROPERTY AND EXISTING R/W LINE -----P-----
 REQUIRED R/W LINE -----
 CONSTRUCTION LIMITS -----C-----F-----
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

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BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS               —ooo—ooo—
REQ'D R/W & LIMIT OF ACCESS  |||—|||—

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

-----P-----

---C---F---

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

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SCALE IN FEET

0

20

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80

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
CROSSROAD PLAN
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

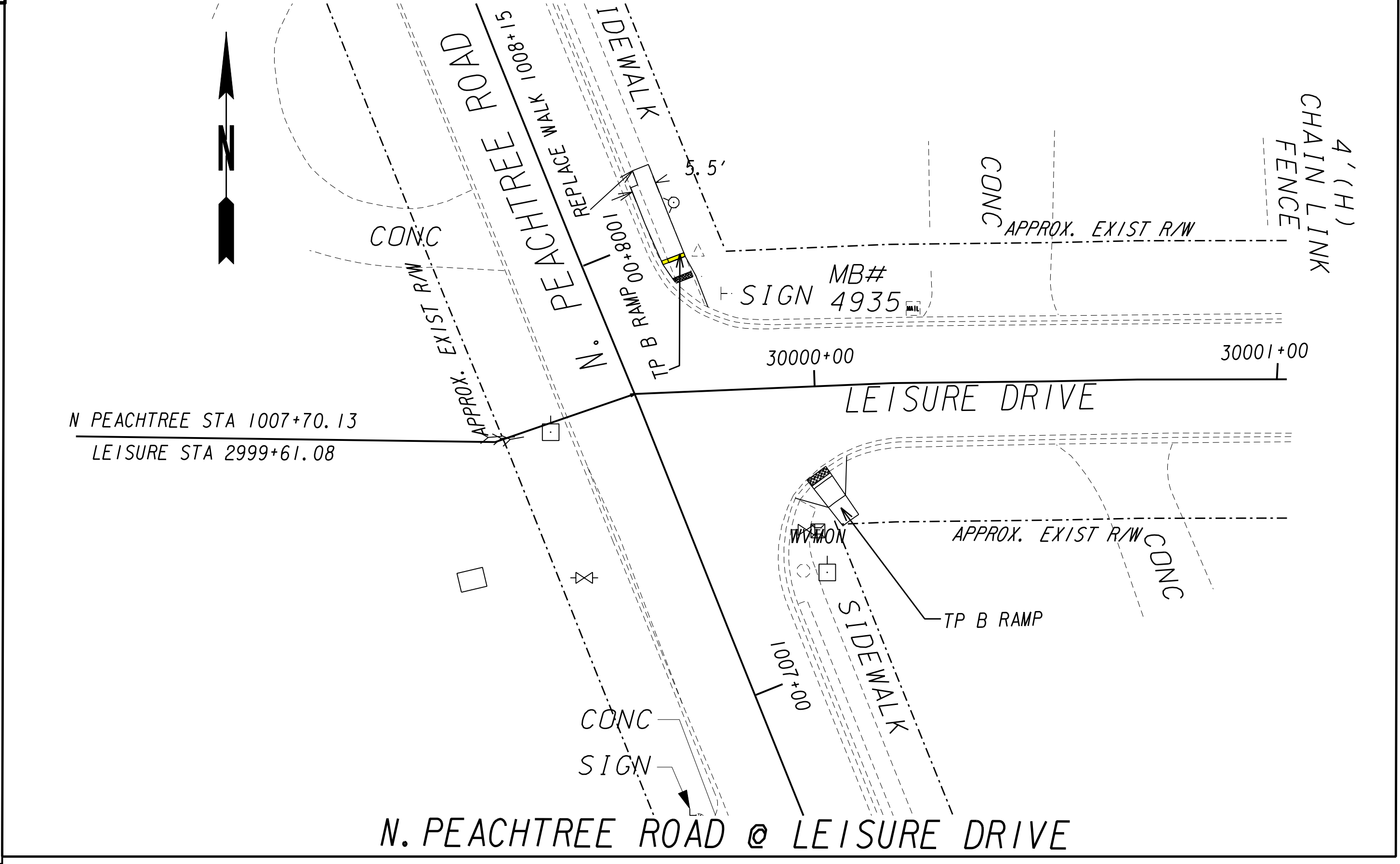
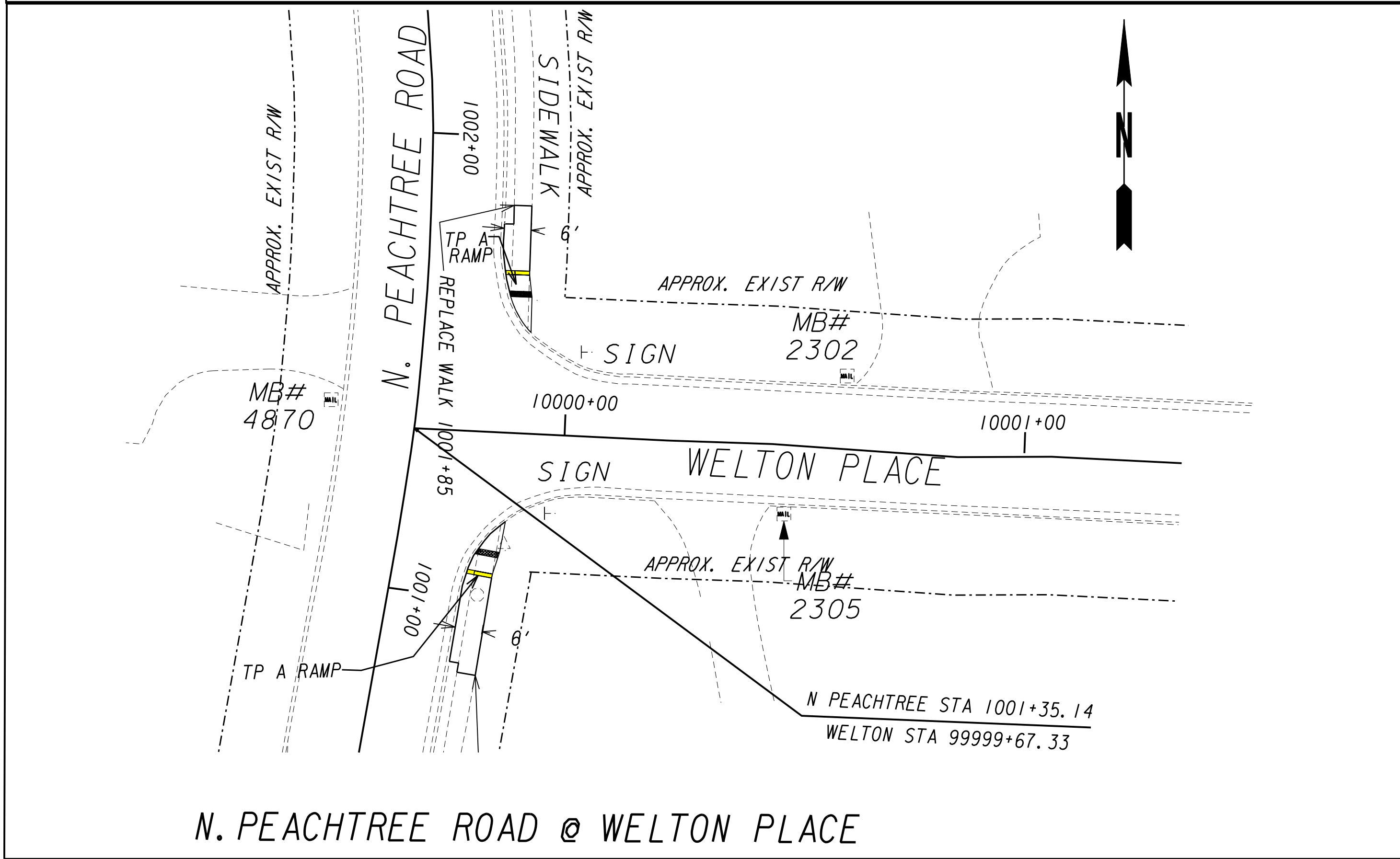
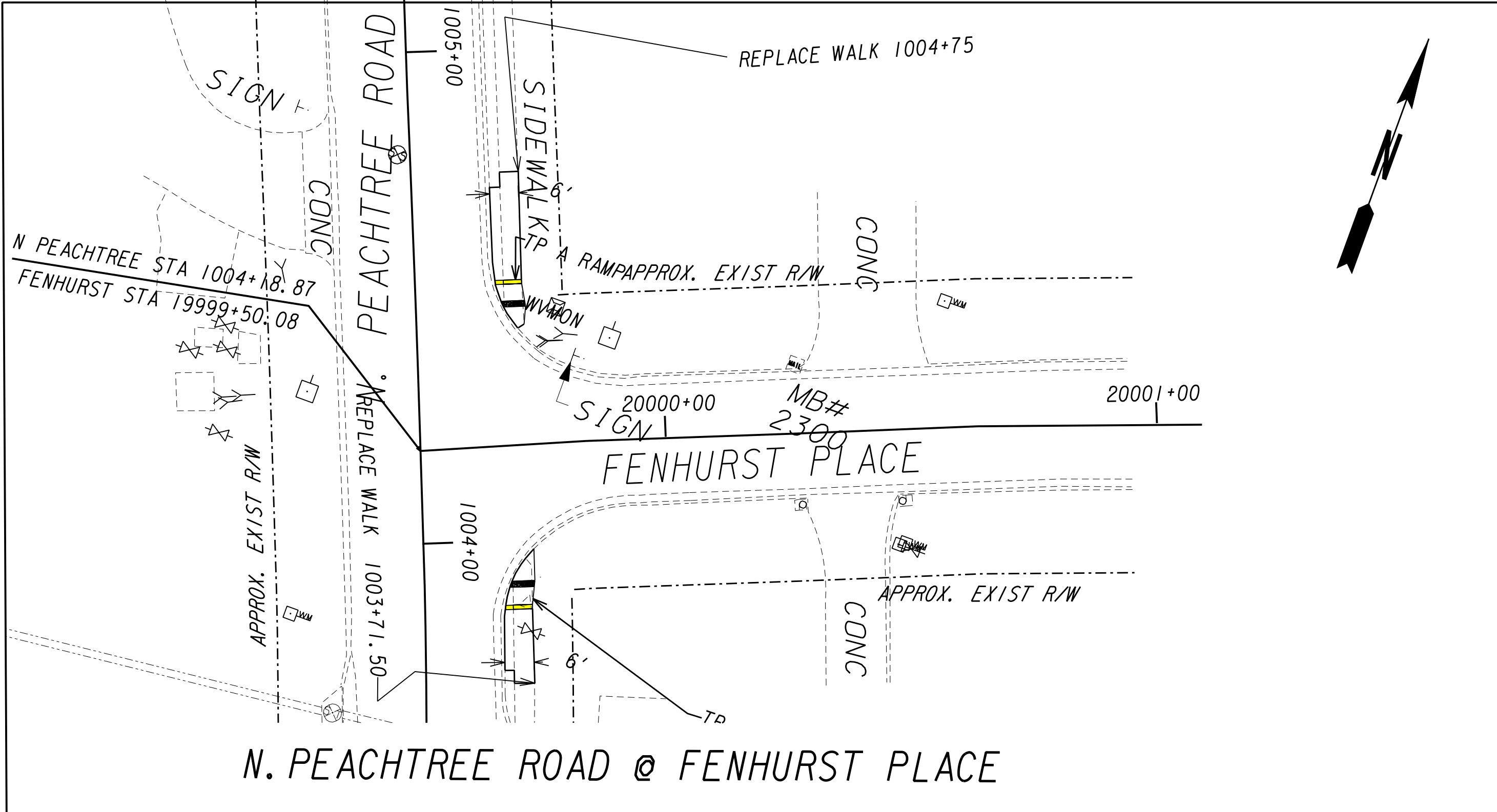
DRAWING No.

14-02

1/5/2009

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1/5/2009
GPLN

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

BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

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SCALE IN FEET

0 20 40 80

REVISION DATES		

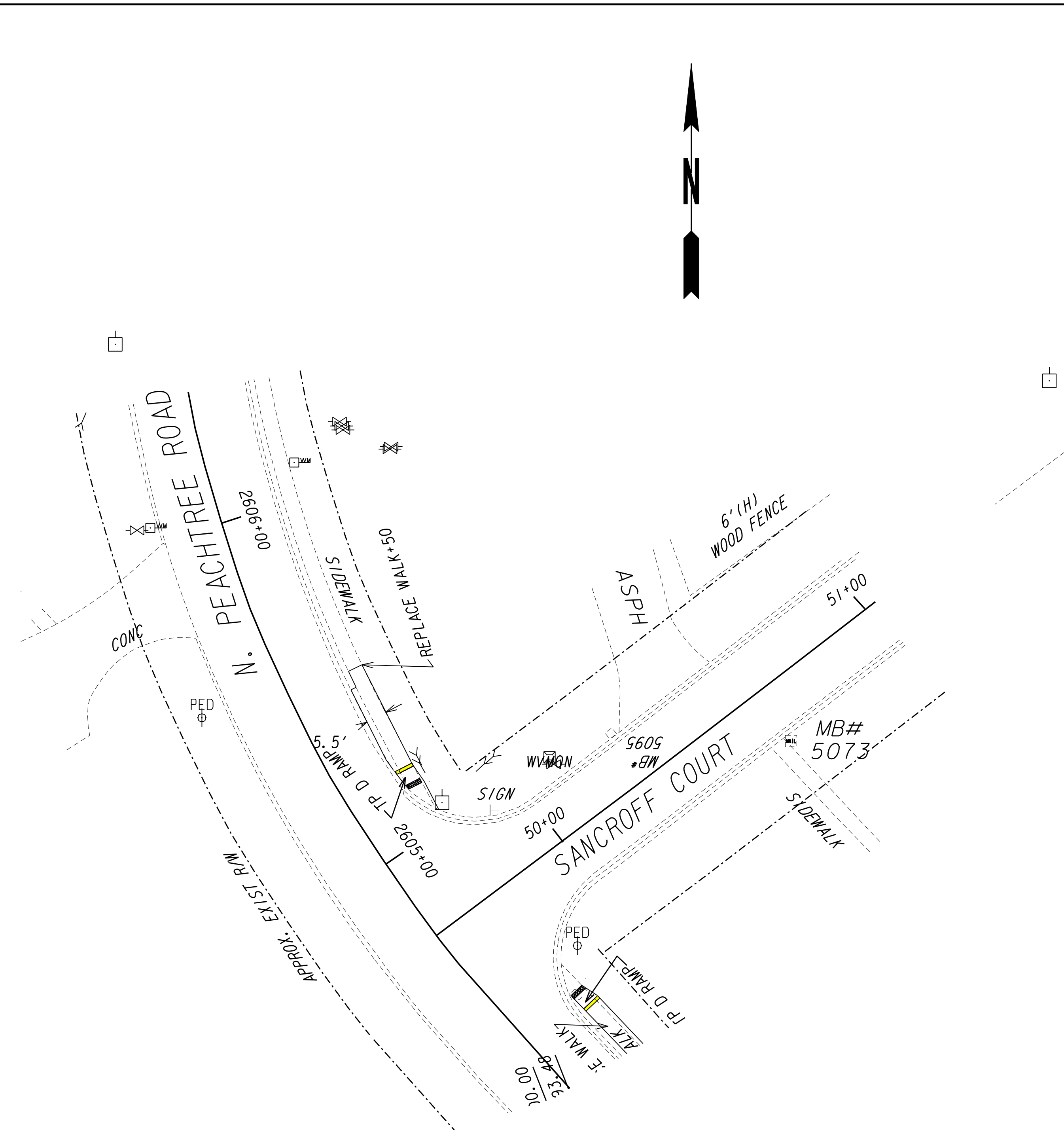
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE: PROGRAM DELIVERY

CROSSROAD PLAN

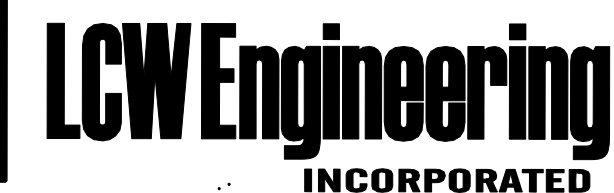
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
14- 03



N. PEACHTREE ROAD @ SANCROFF COURT

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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS               —ooo—ooo—
REQ'D R/W & LIMIT OF ACCESS —||—||—
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SCALE IN FEET

0 20 40 80

DRAWING No.
4-04



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BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS               —○○○—○○○—
REQ'D R/W & LIMIT OF ACCESS —|||—|||—

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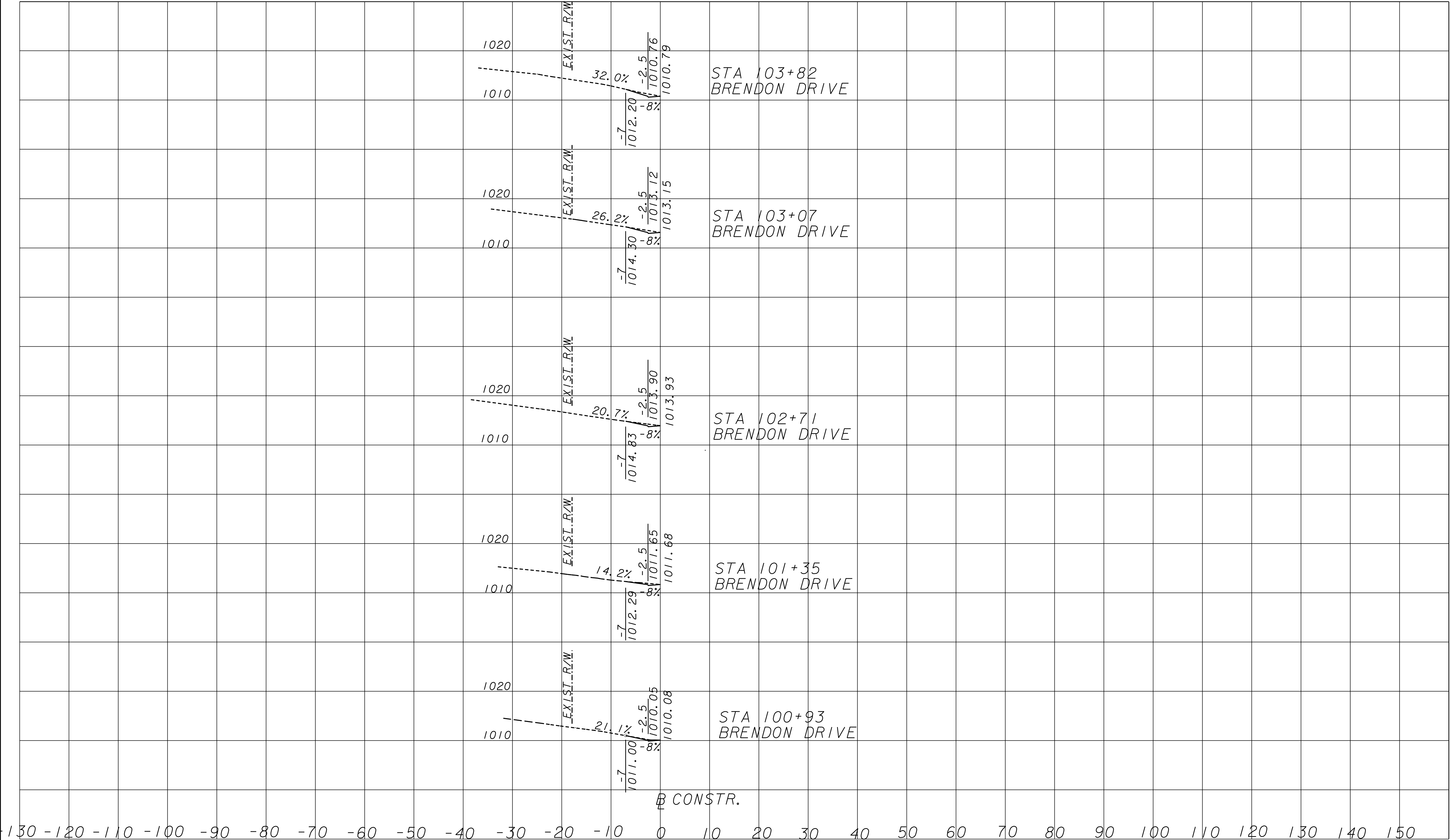


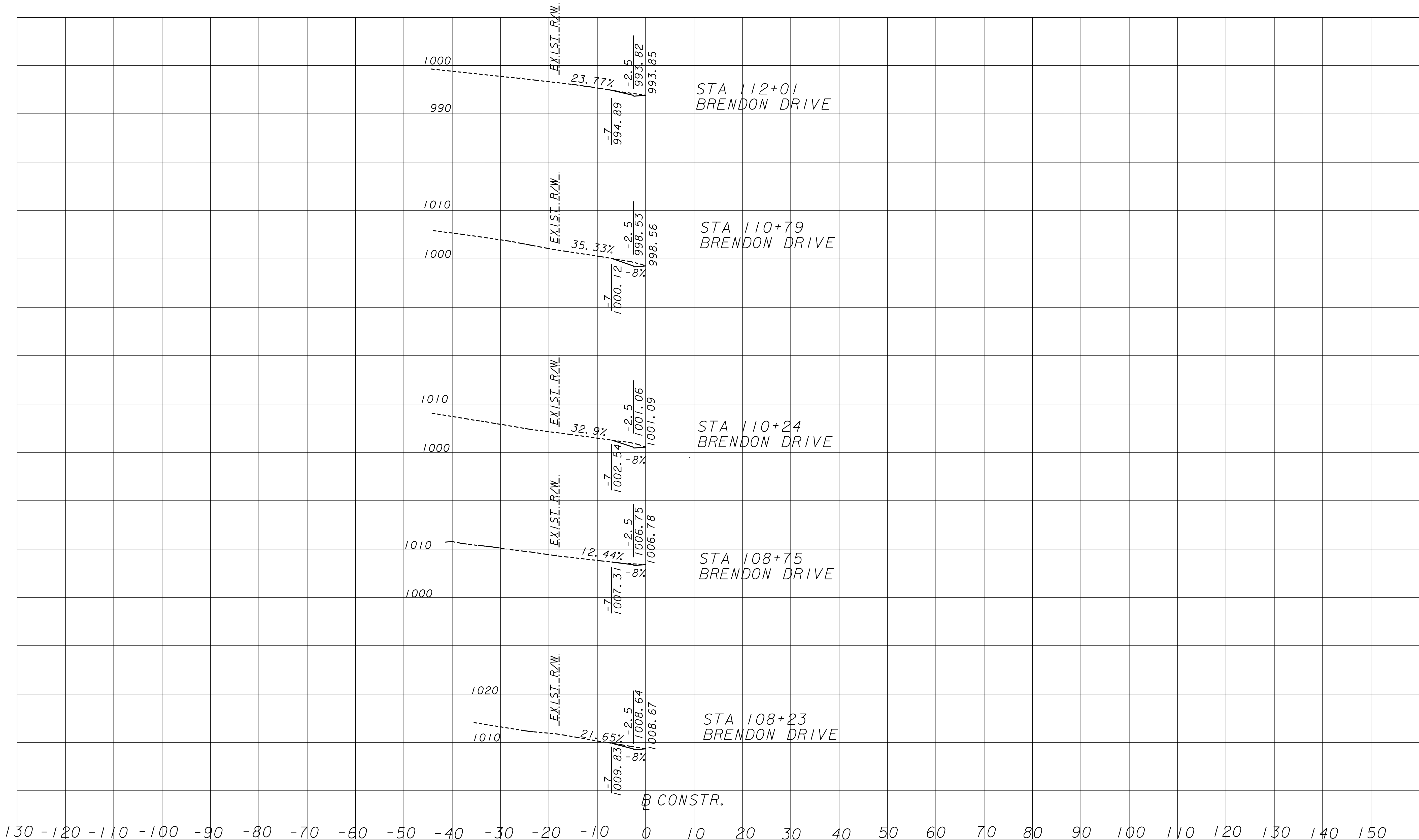
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	CROSSROAD PLAN

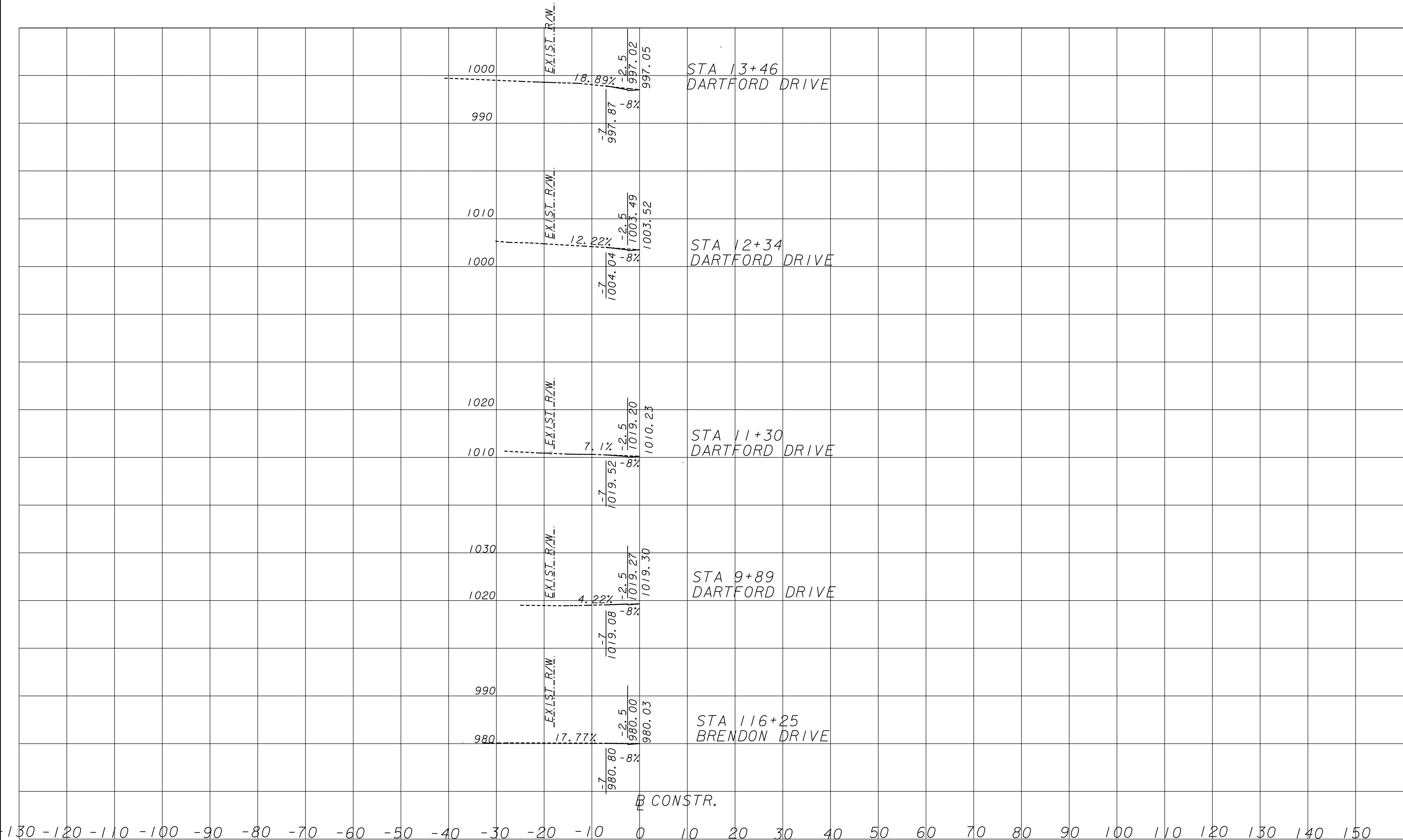
DRAWING No.
4-05

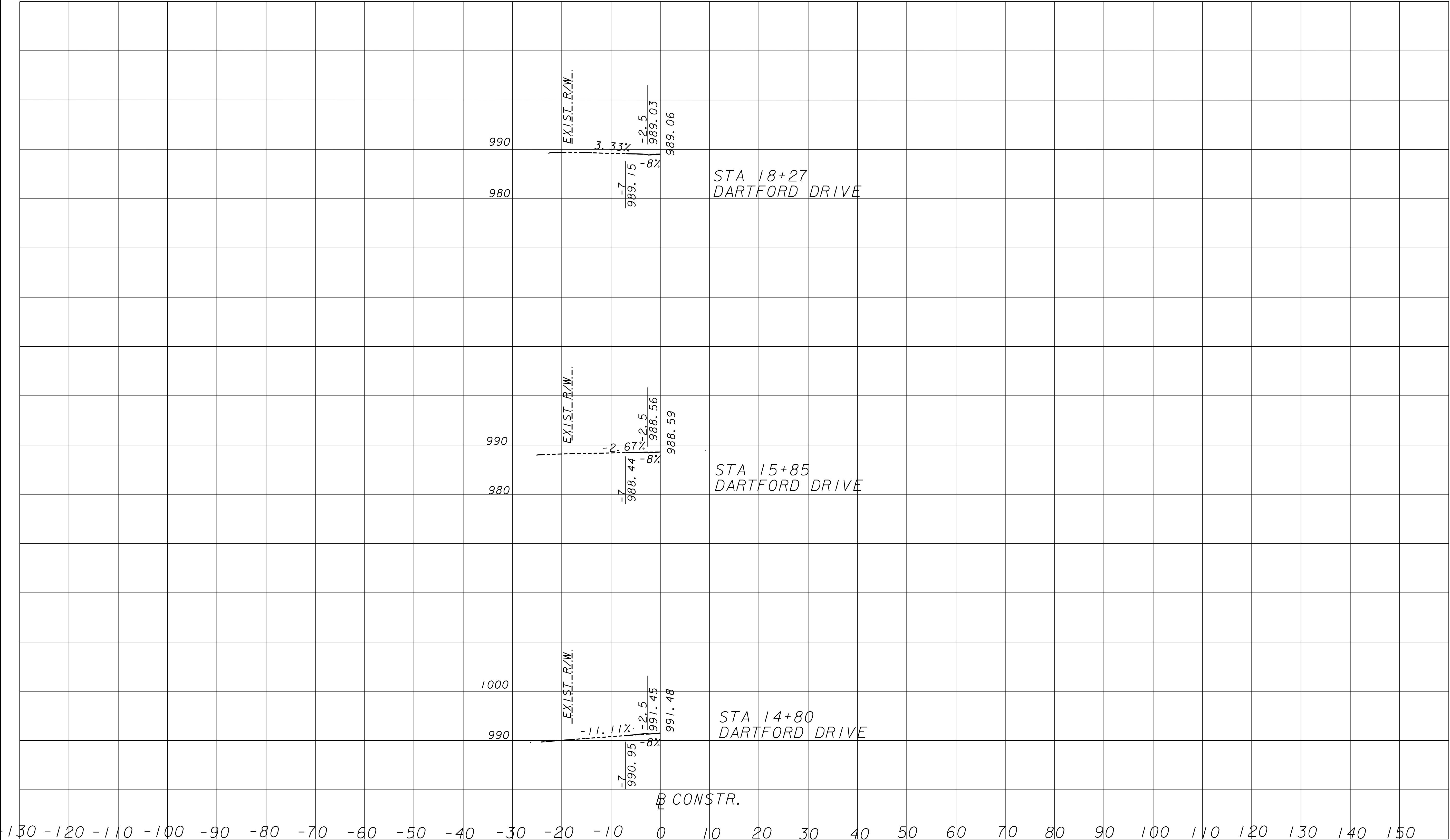


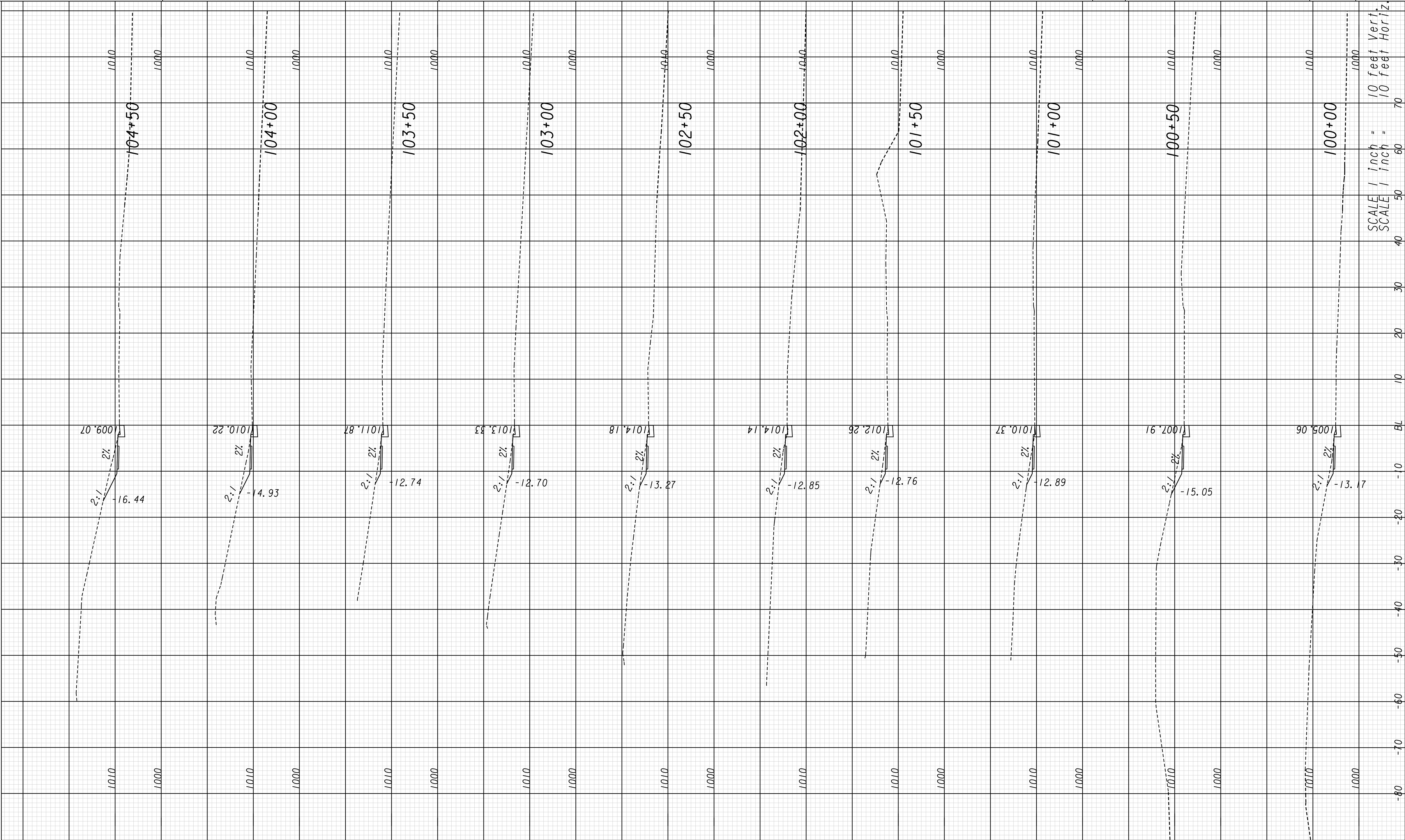
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DEPARTMENT OF TRANSPORTATION	
OFFICE: PROGRAM DELIVERY	
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KINGSLEY CHARTER ELEMENTARY SCHOOL IN DUNWOODY - SRTS	DRAWING No. 14-0





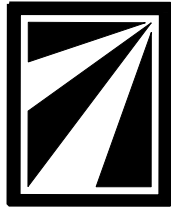






SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

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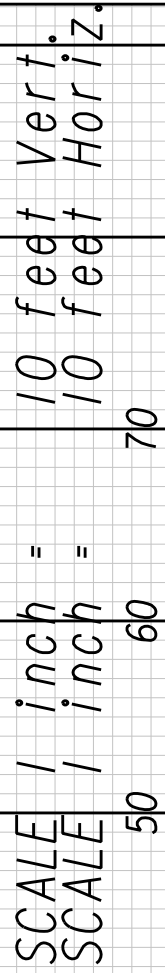
LCW Engineering
INCORPORATED
South DeKalb Business Park
4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231

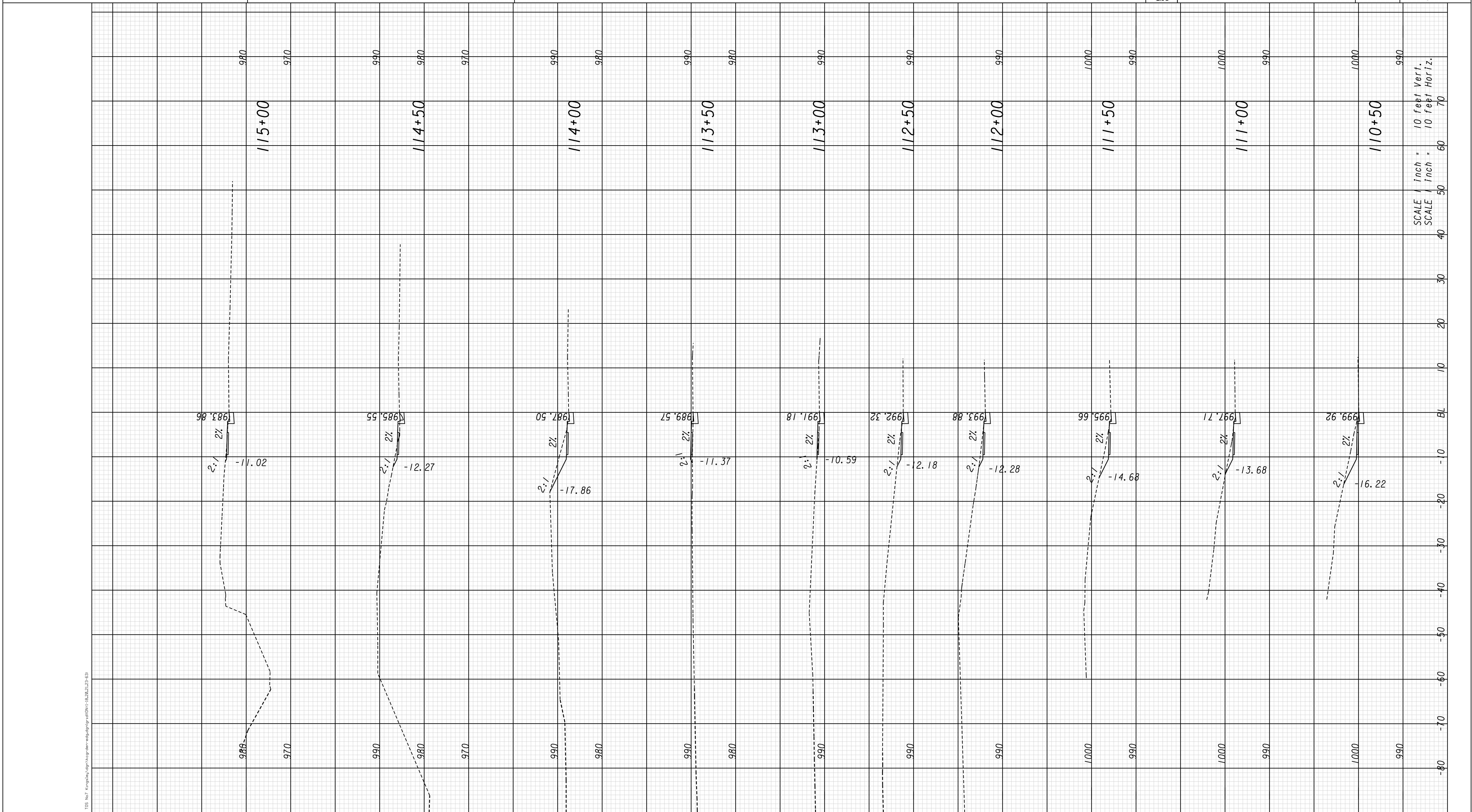
REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY

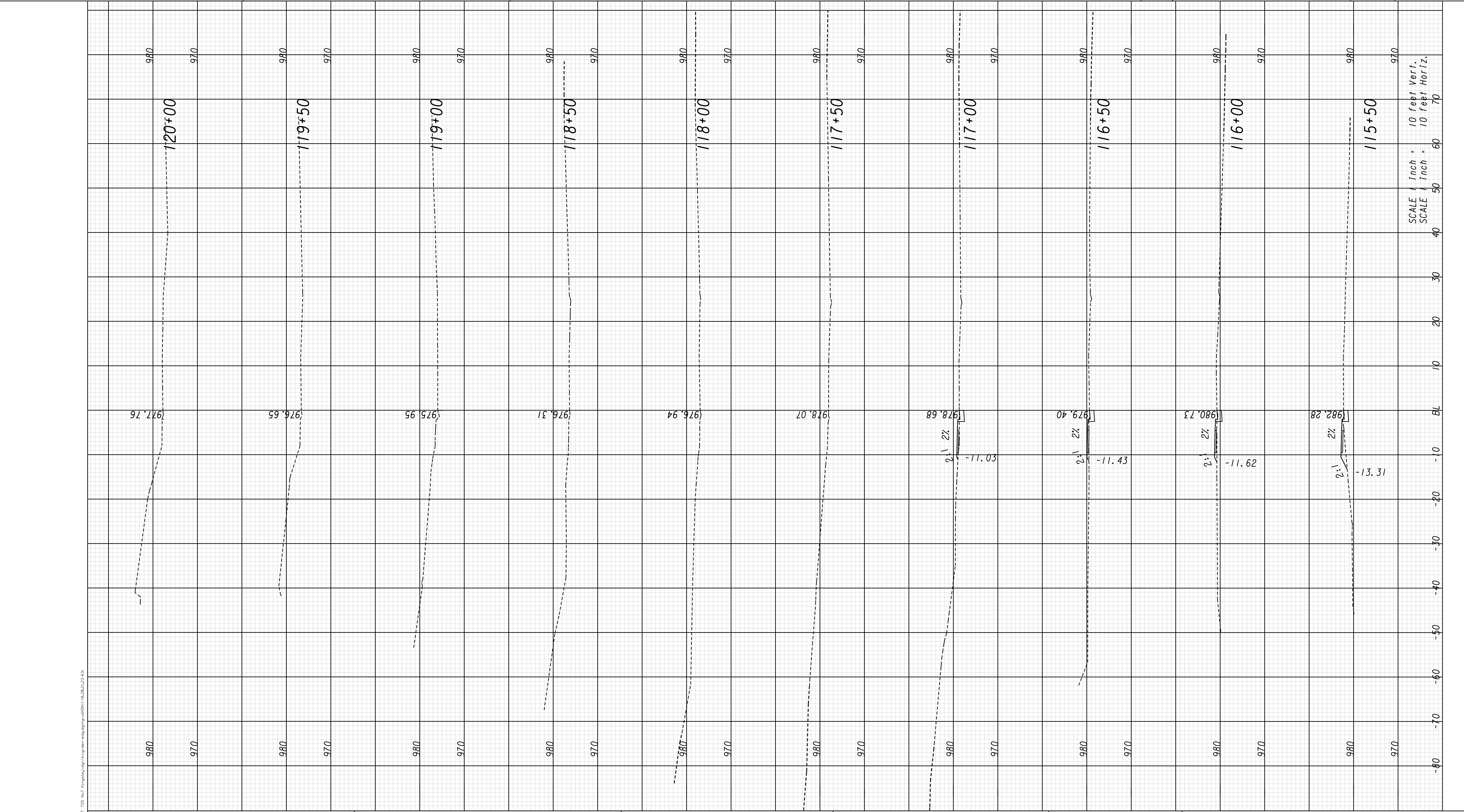
CROSS SECTIONS
BRENDON DRIVE

DRAWING No.
23- 01





REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			CROSS SECTIONS	
			BRENDON DRIVE	
			DRAWING No. 23-03	



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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

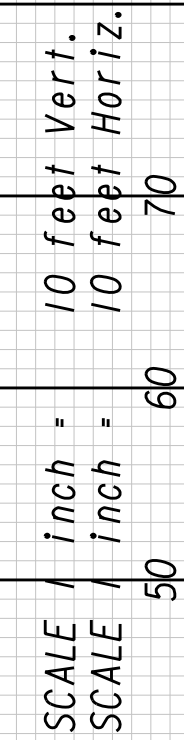
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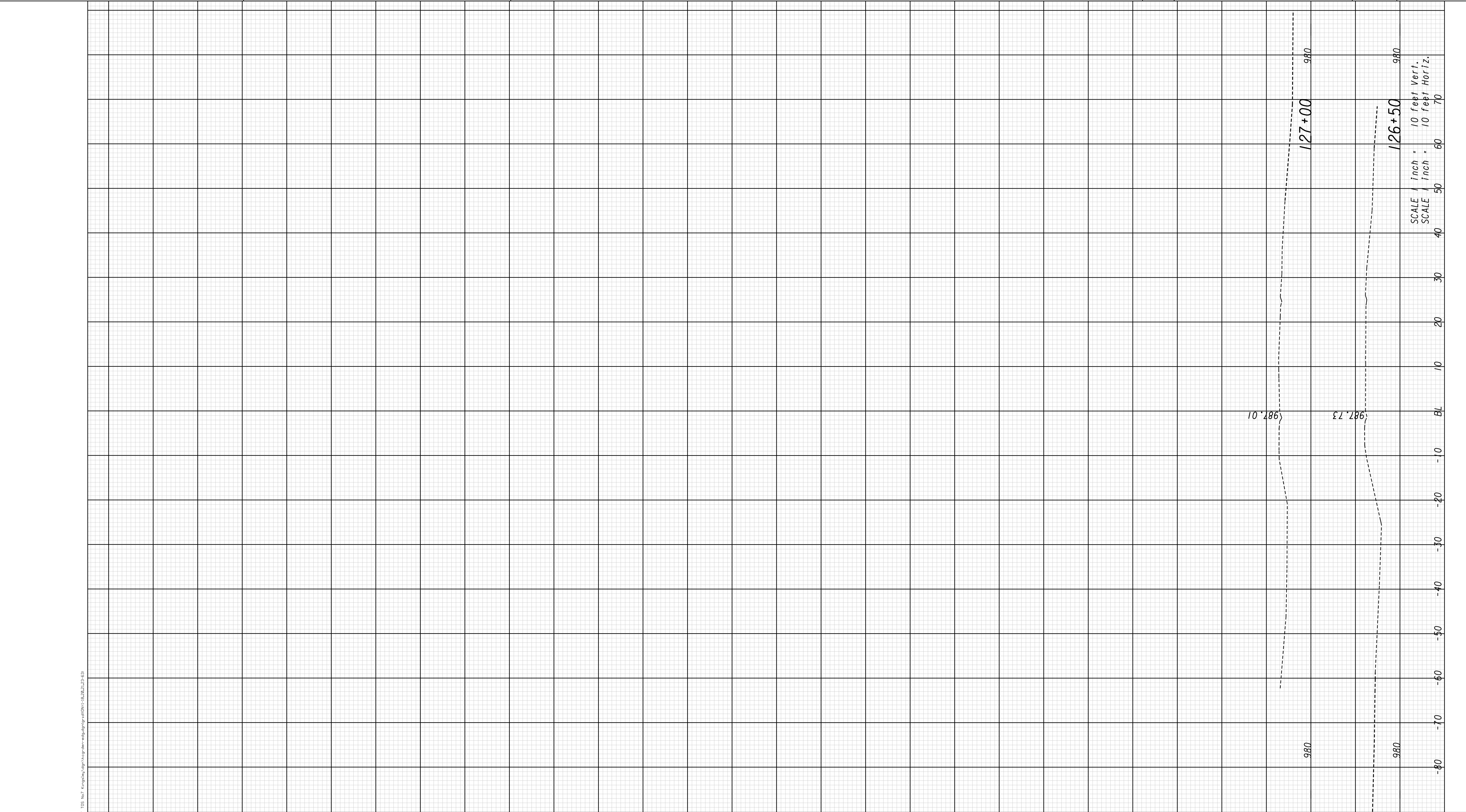
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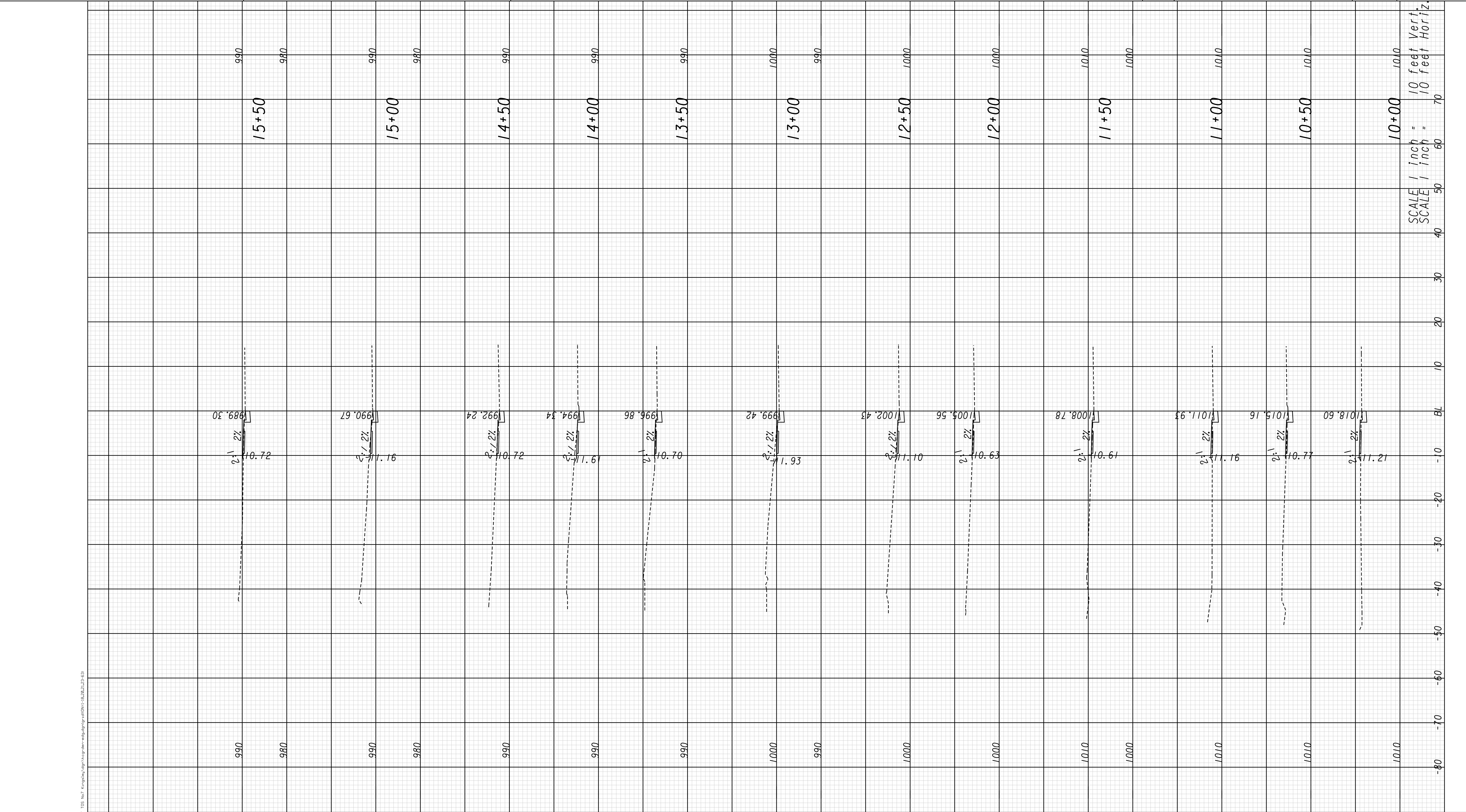
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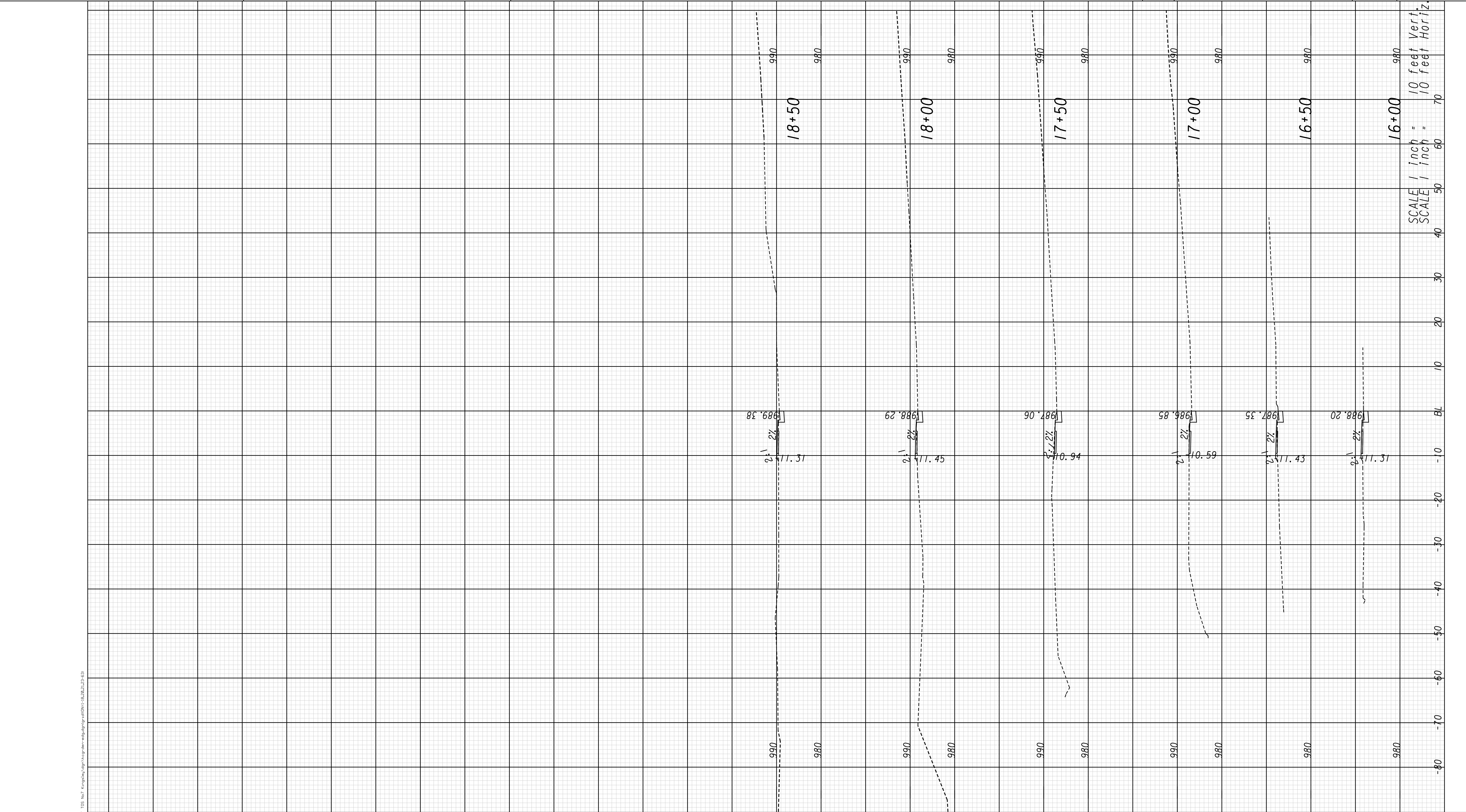
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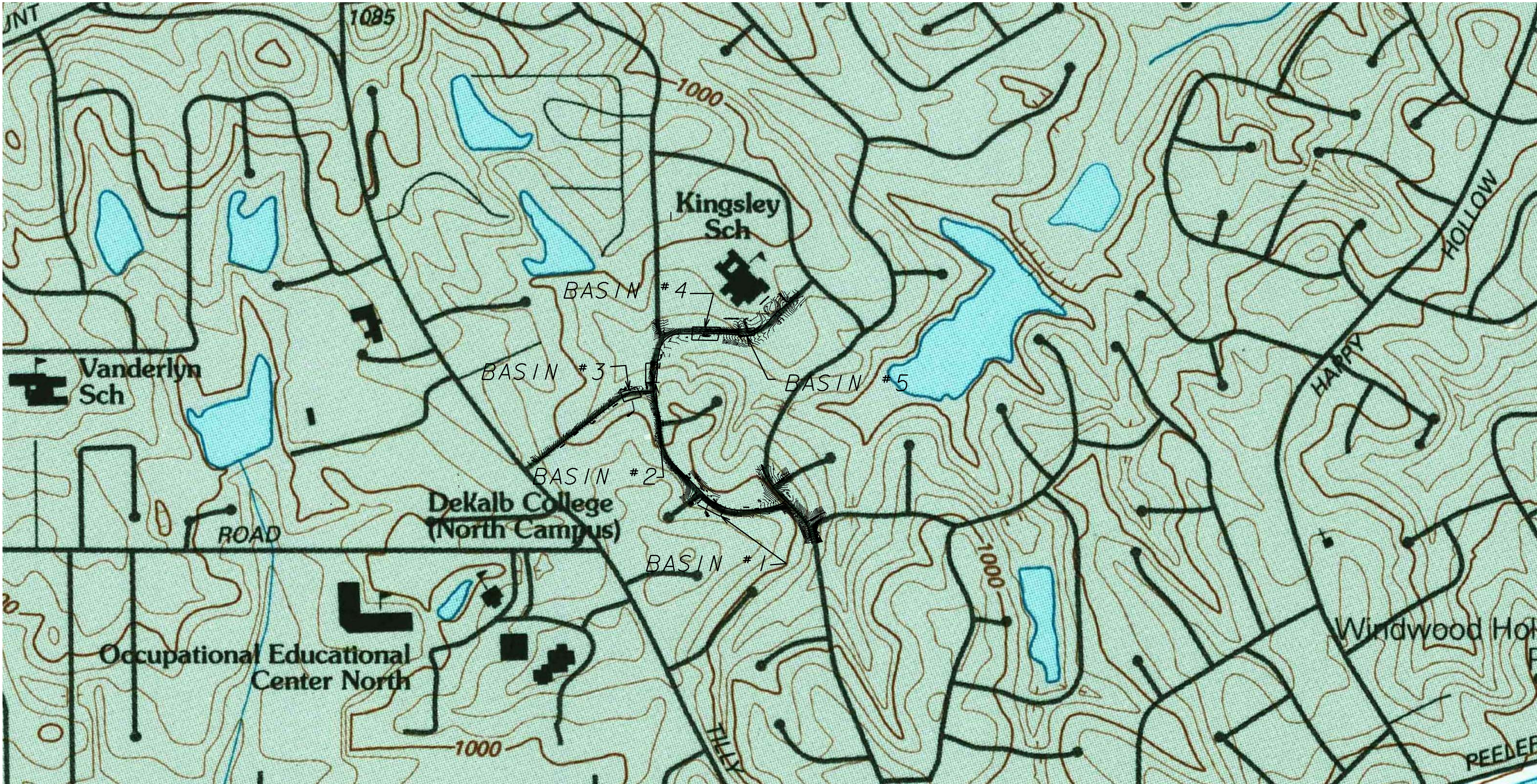


BRENDON DRIVE

	STR *	STA		AREA(AC)	Q25(CFS)
BASIN #1	A-1 (1034D)	105+45.59	ADJUST TO GRADE	0.20	1.29
BASIN #2	B-1 (1033D)	114+55.33	ADJUST TO GRADE	0.27	1.75
BASIN #4	D-1 (1034D)	119+00	ADJUST TO GRADE	0.15	1.06
BASIN #5	E-1 (1033D)	122+00	ADJUST TO GRADE	0.08	0.78

DARTFORD DRIVE

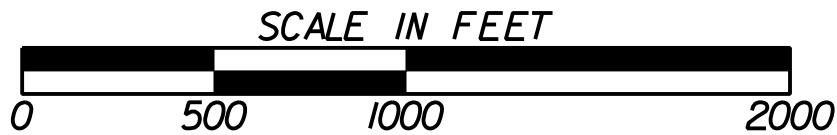
	STR *	STA		AREA(AC)	Q25(CFS)
BASIN #3	C-1 (1034D)	17+23.24	ADJUST TO GRADE	0.40	2.70



1/5/2009
GPLN
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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
DRAINAGE AREA MAP
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
21-01

UTILITY LINECODES

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

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

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SCALE IN FEET

0

20

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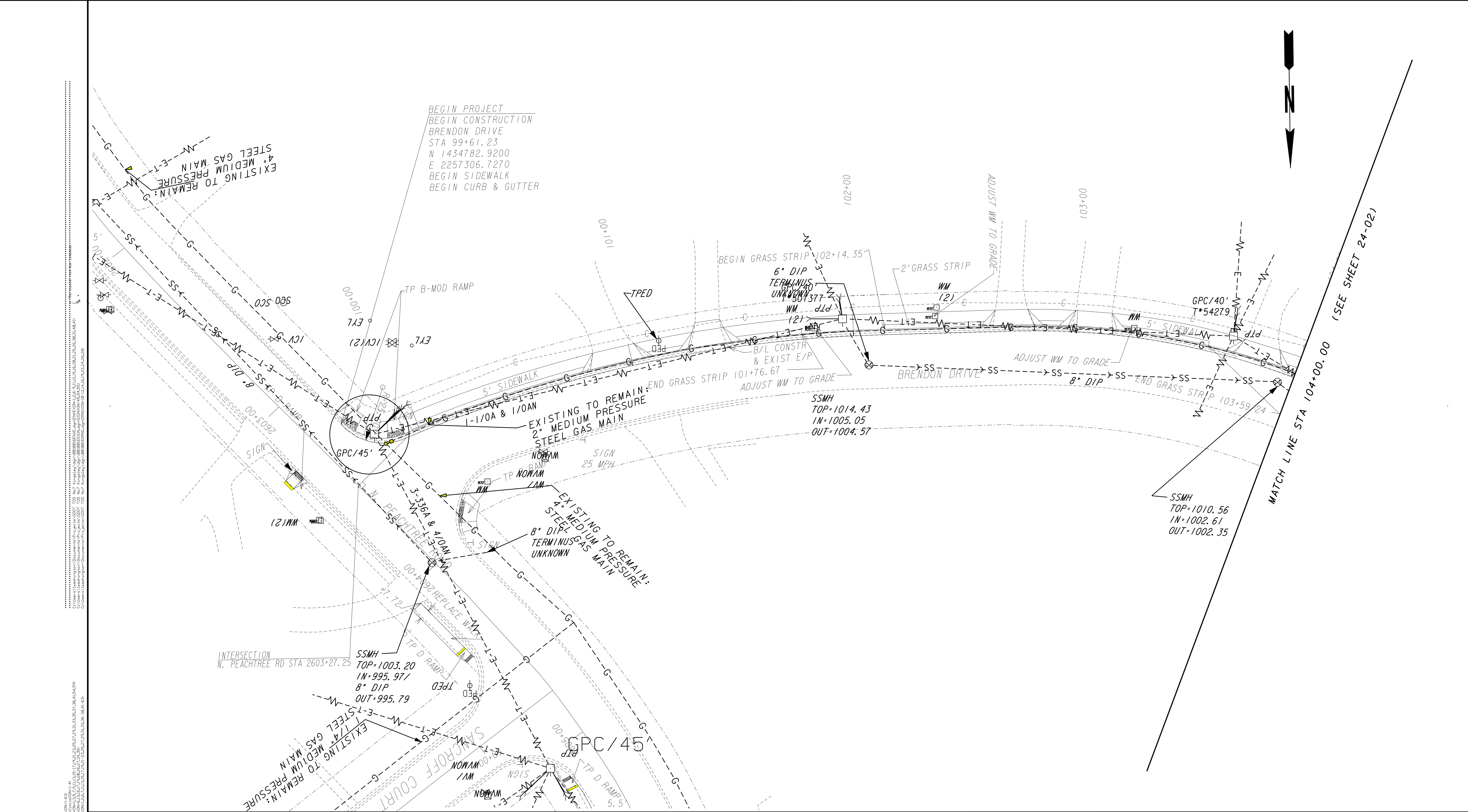
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
UTILITY PLANS
LEGEND
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.

24-00A

3/11/2007
GPLN
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1/5/2009
GPN

1/5/2009
GPN

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

-----P-----
-----C-----F-----

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

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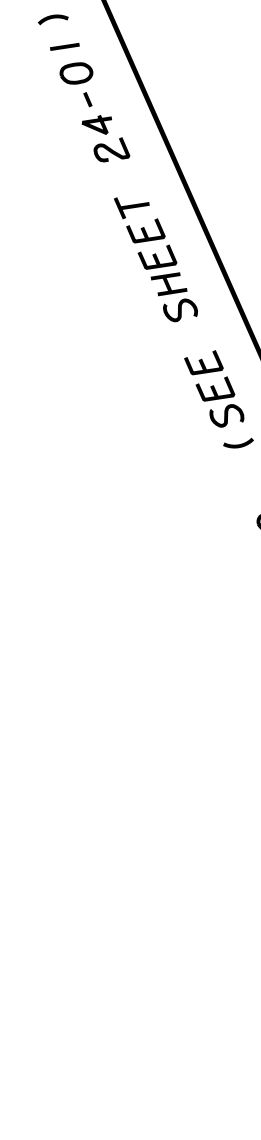
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REVISION DATES

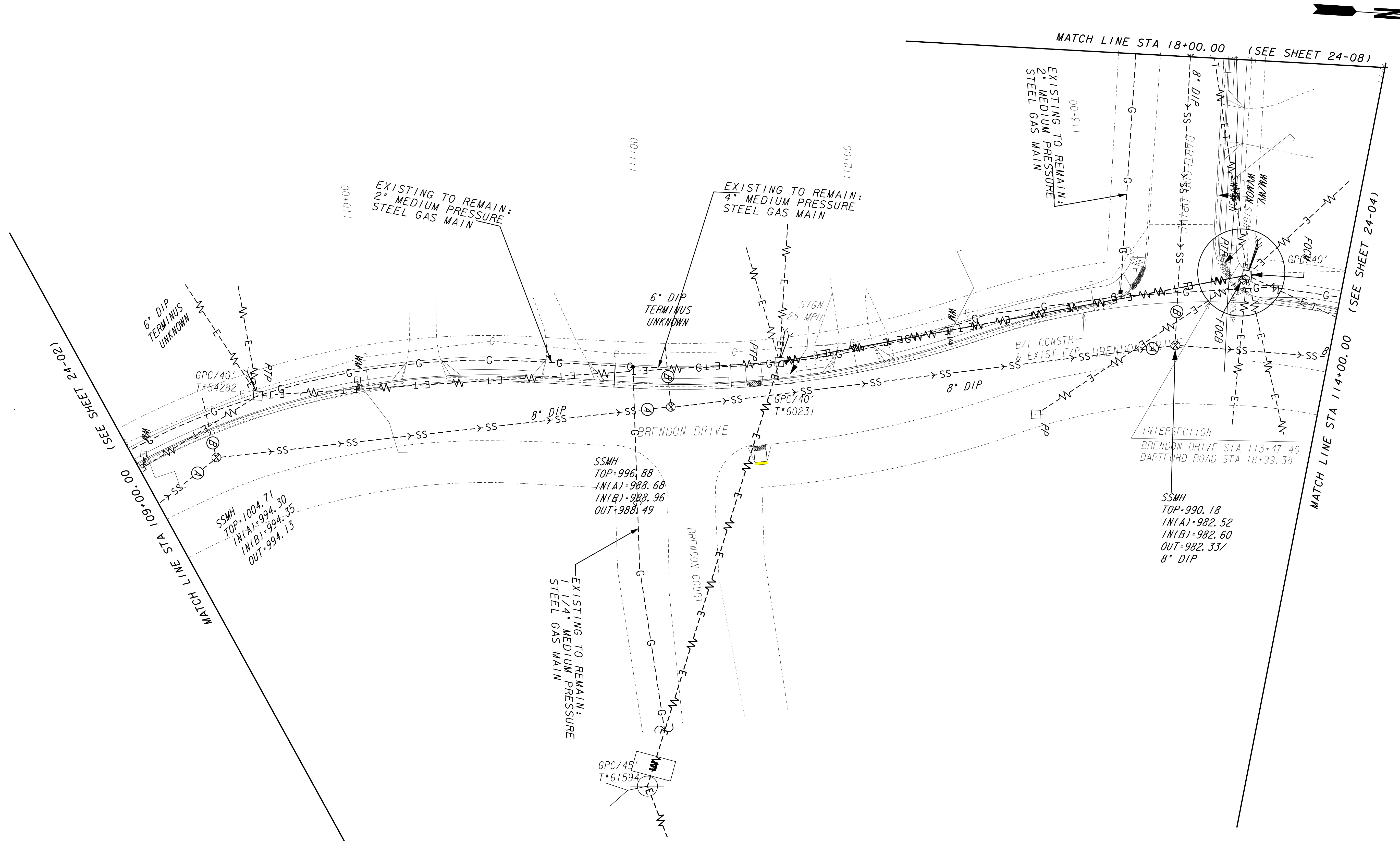
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
UTILITY PLANS

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
24-01



DRAWING No.
4-02



1/5/2009

GPLN

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

-----E-----

-----C-----F-----

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

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SCALE IN FEET

0

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
UTILITY PLAN

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
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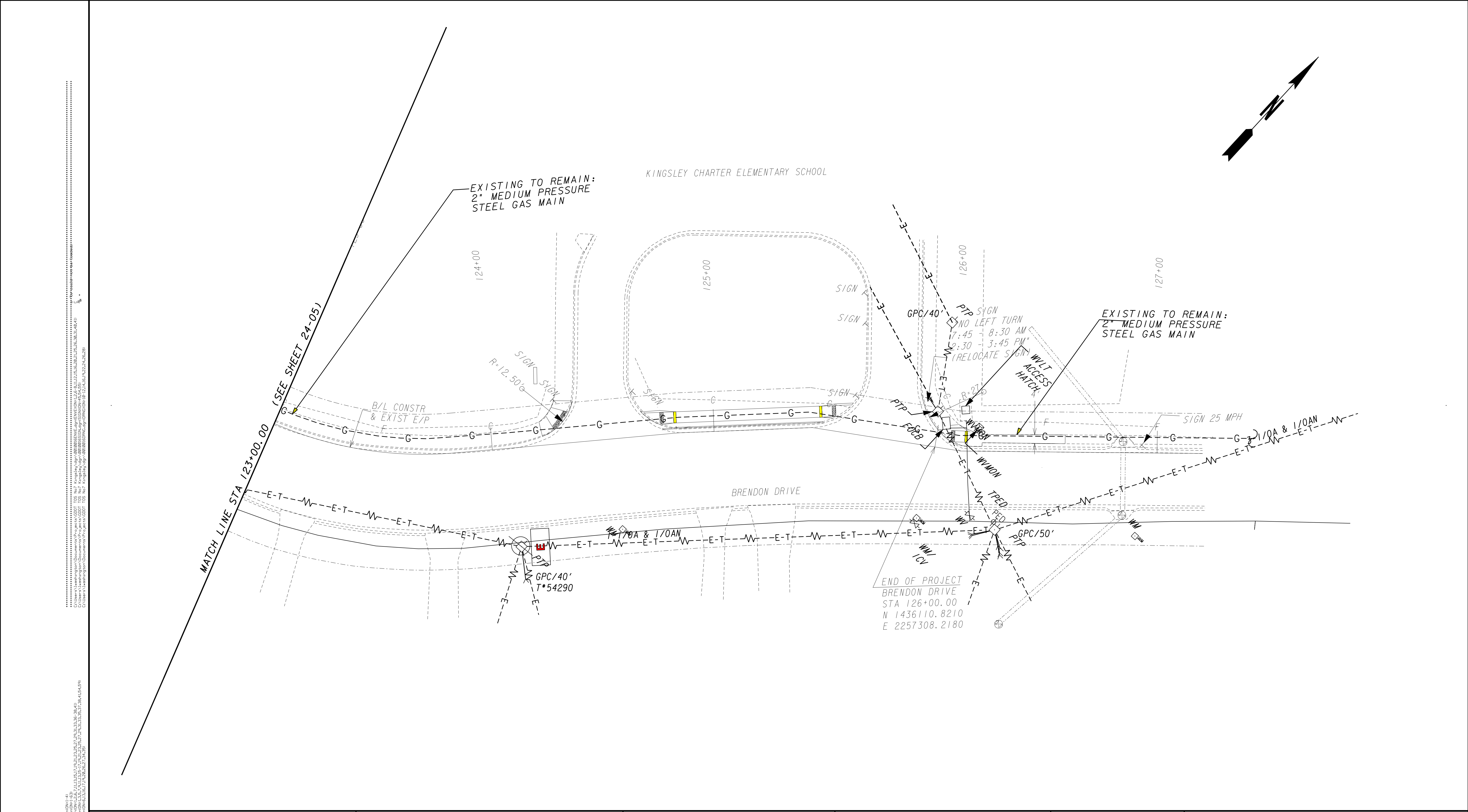


MATCH LINE STA 118+00.00 (SEE SHEET 24-05)

REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			UTILITY PLANS	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 24-04	



DRAWING No.
24-05



1/5/2009
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TOS No7 Kingsley.dgn
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TOS No7 Kingsley.dgn
GDOT
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GDOT
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GDOT
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

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SCALE IN FEET

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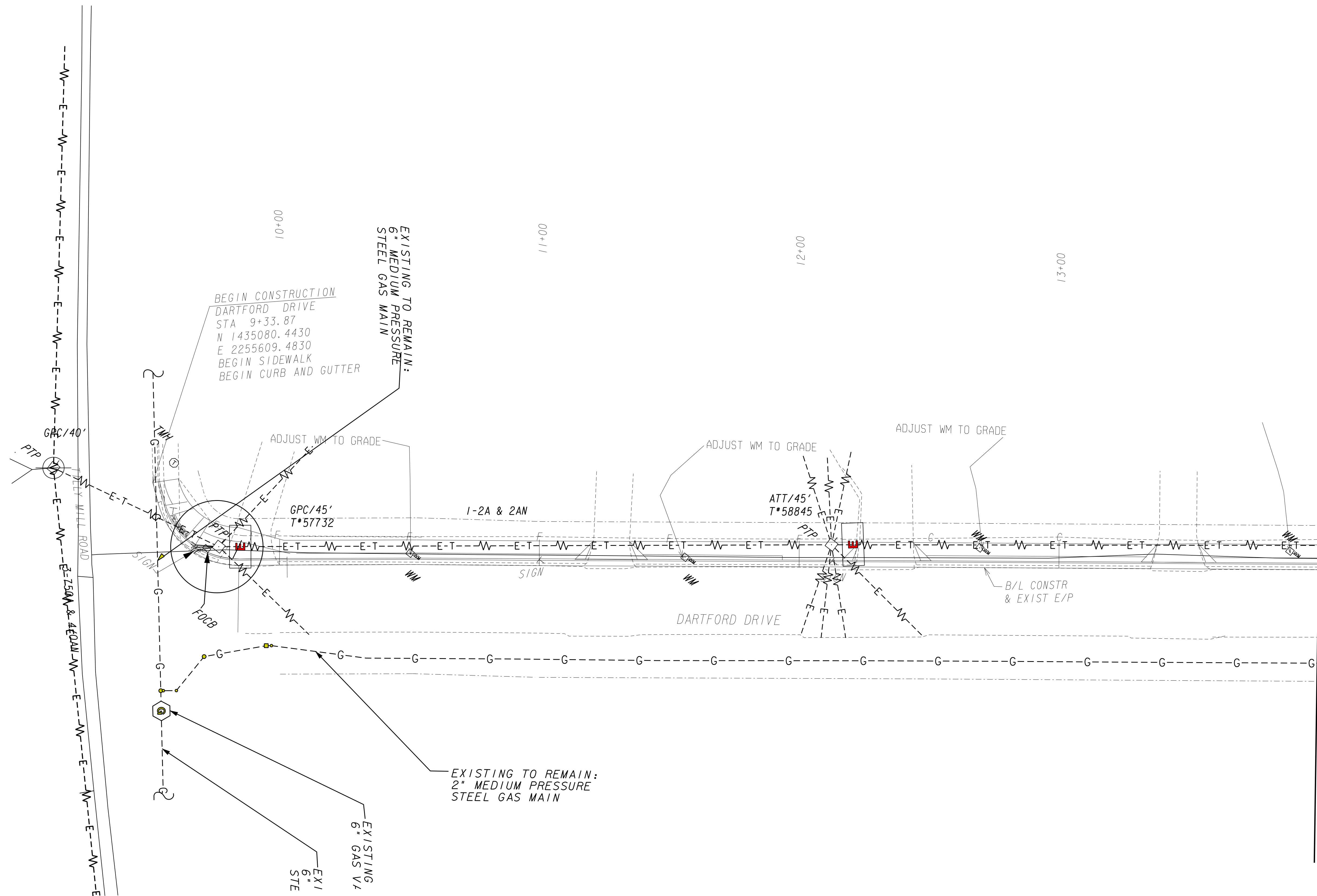
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REVISION DATES

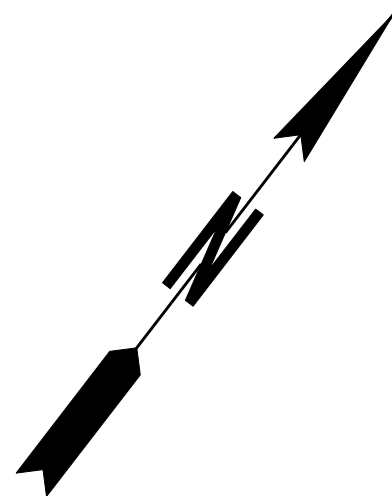
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
UTILITY PLAN

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
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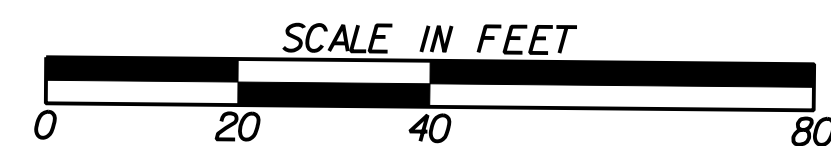
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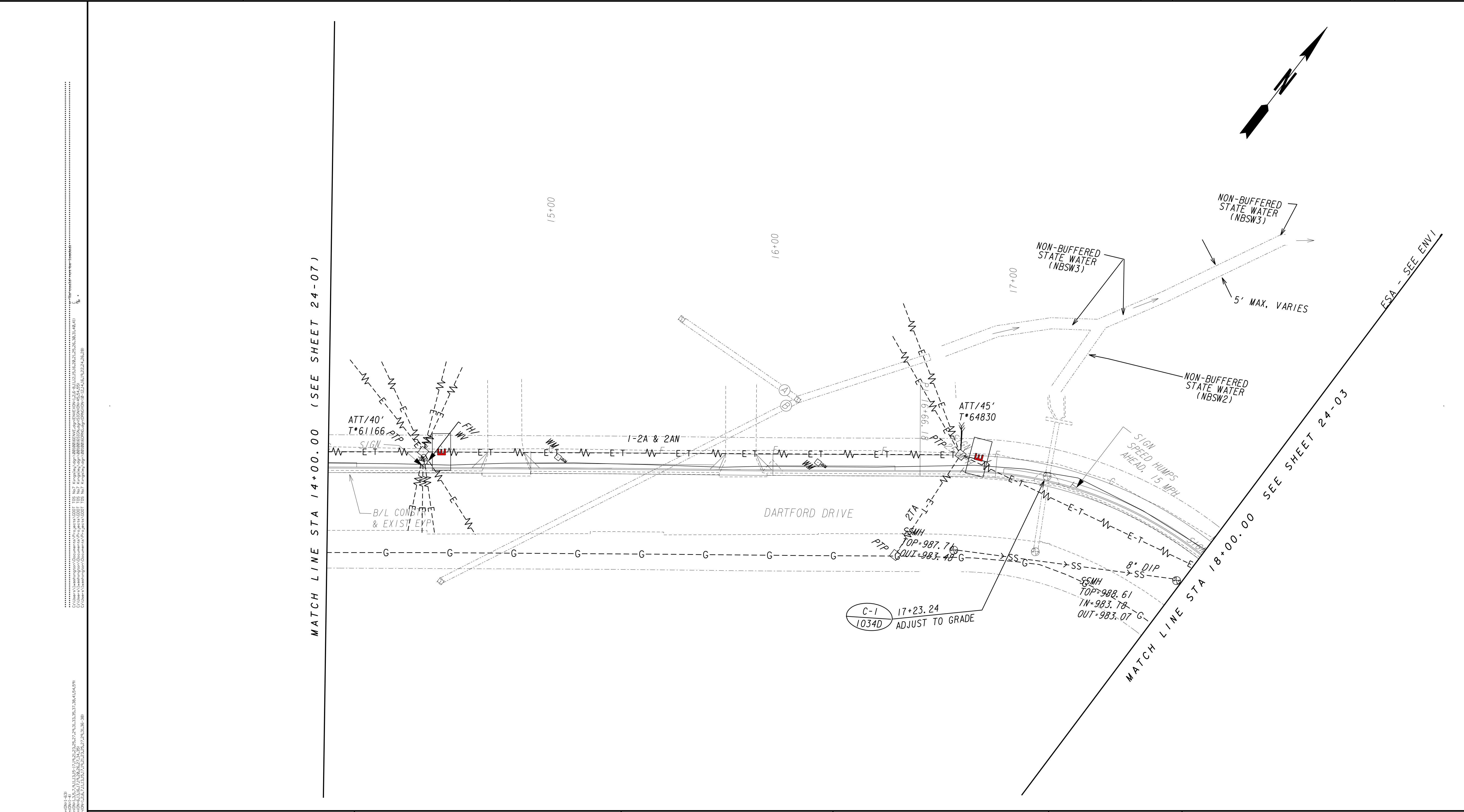


REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			UTILITY PLAN	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 24-07	

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

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BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS               —ooo—ooo—
REQ'D R/W & LIMIT OF ACCESS —||—||—
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

-----P-----

---C---F---

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

-----P-----

---C---F---

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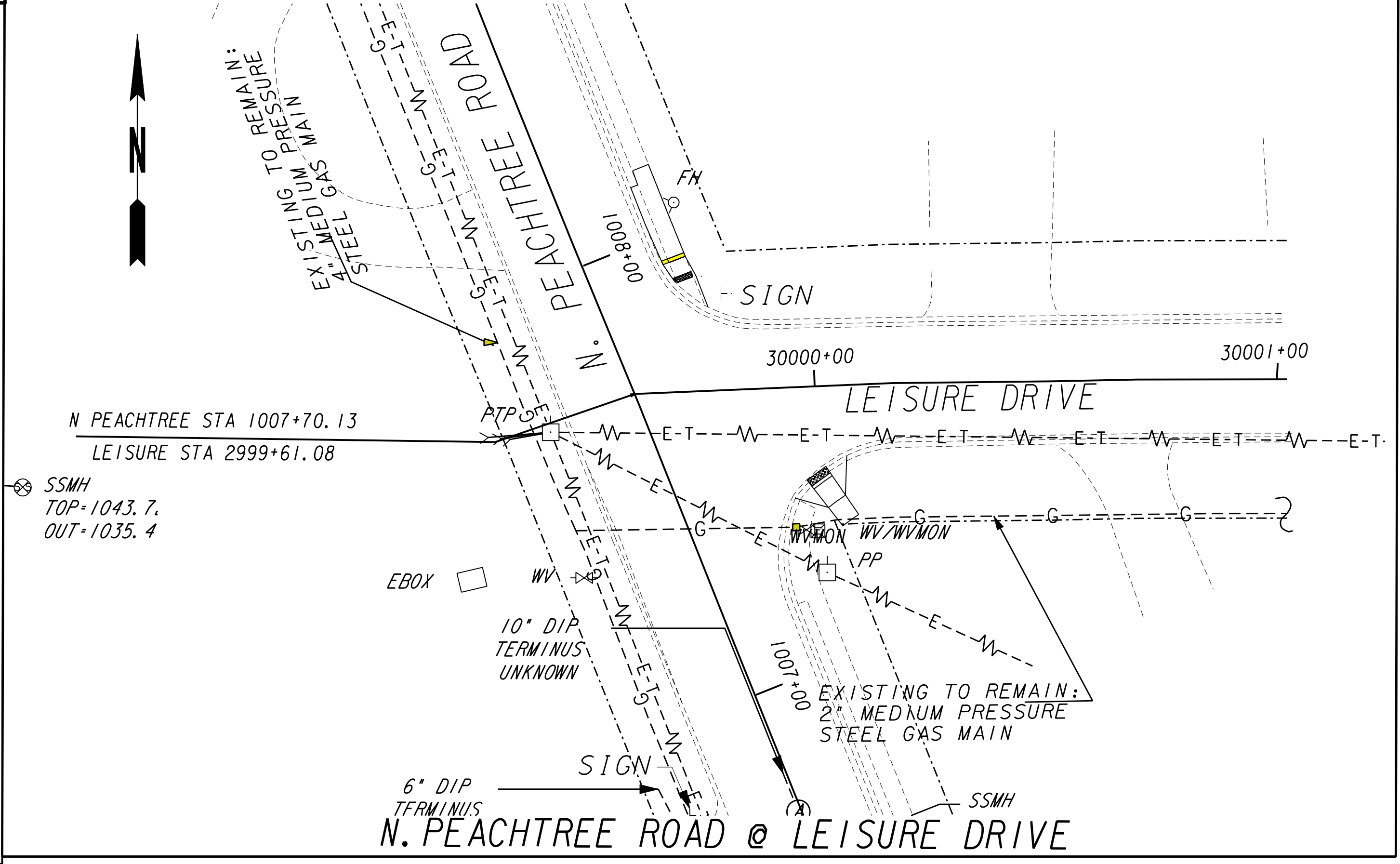
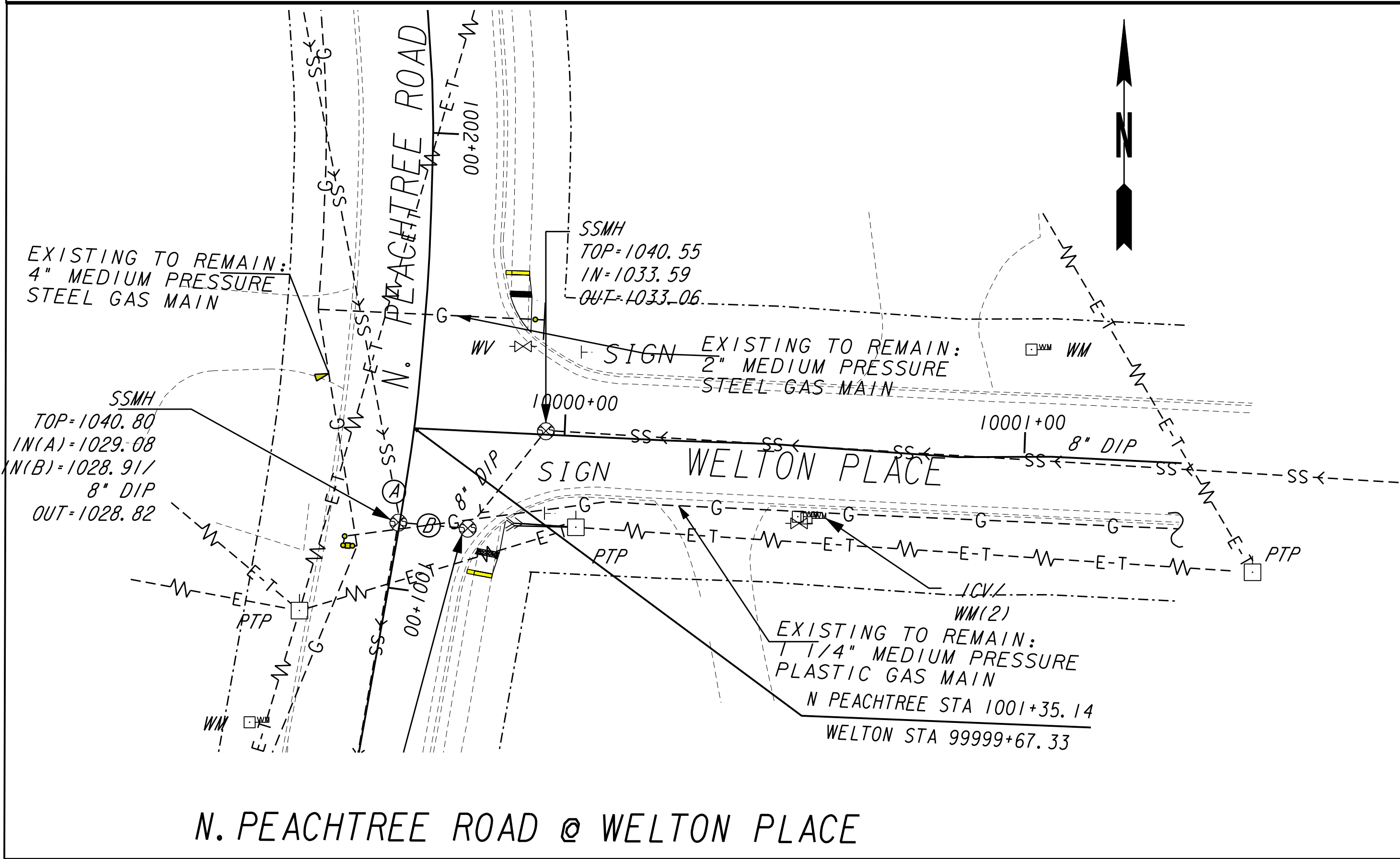
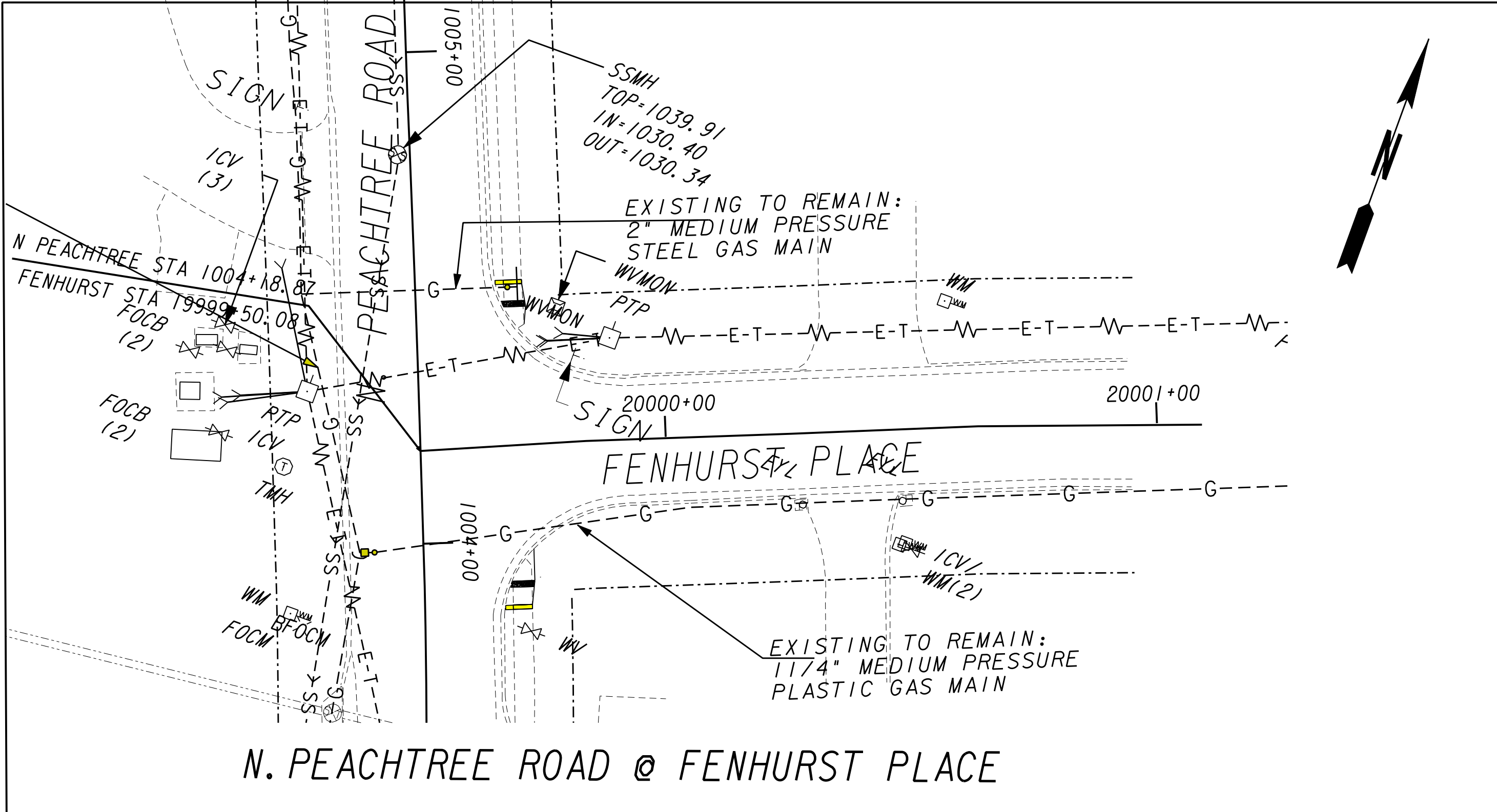
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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
UTILITY PLAN
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
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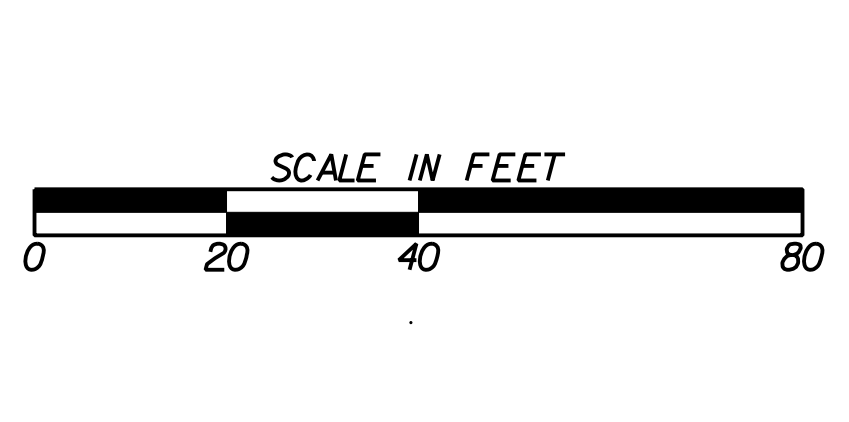
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GPN
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PROPERTY AND EXISTING R/W LINE	-----P-----
REQUIRED R/W LINE	-----C-----
CONSTRUCTION LIMITS	-----F-----
EASEMENT FOR CONSTR	[Hatched Box]
& MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESSooo.....
REQ'D R/W & LIMIT OF ACCESS ---|---|---

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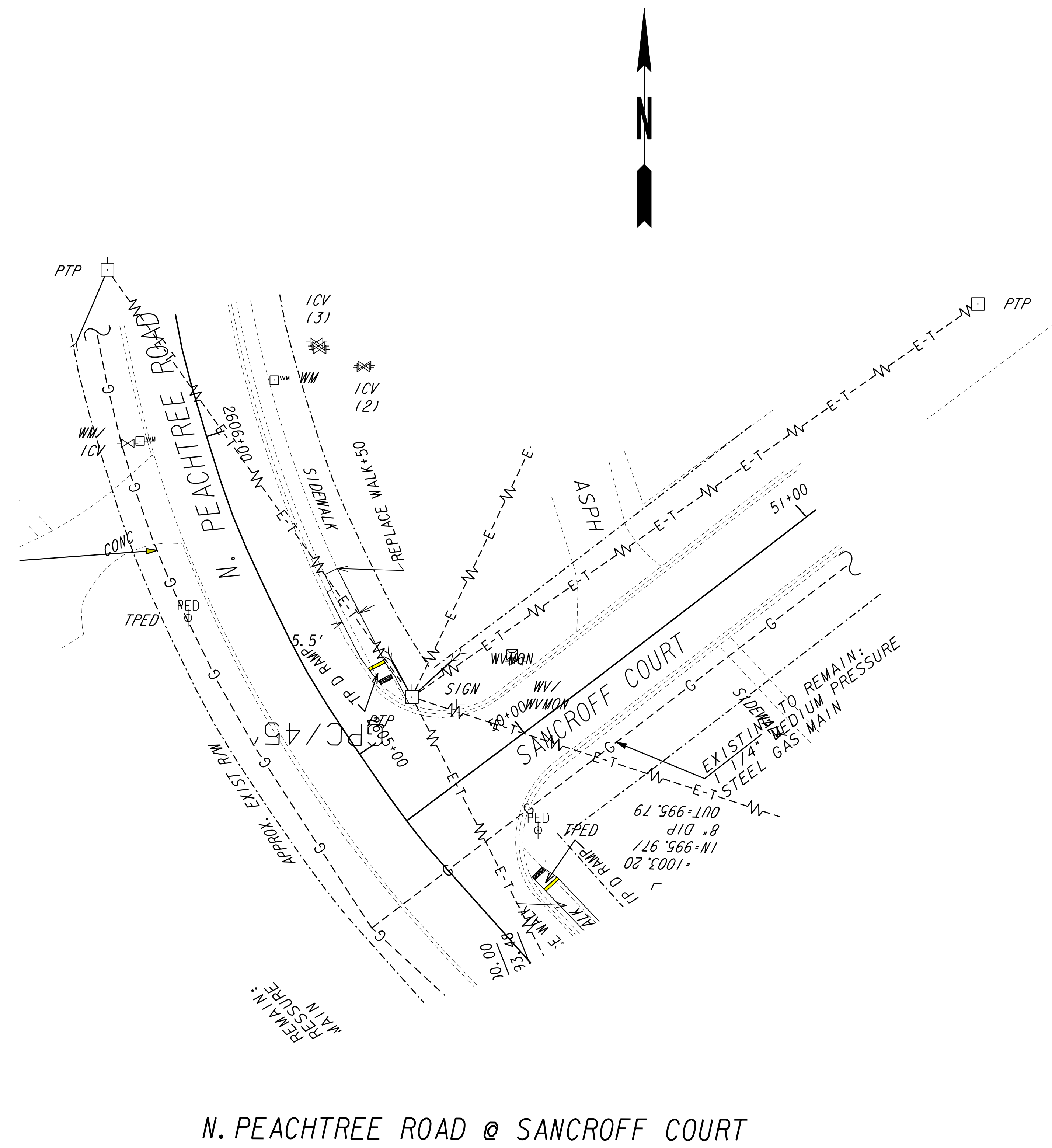
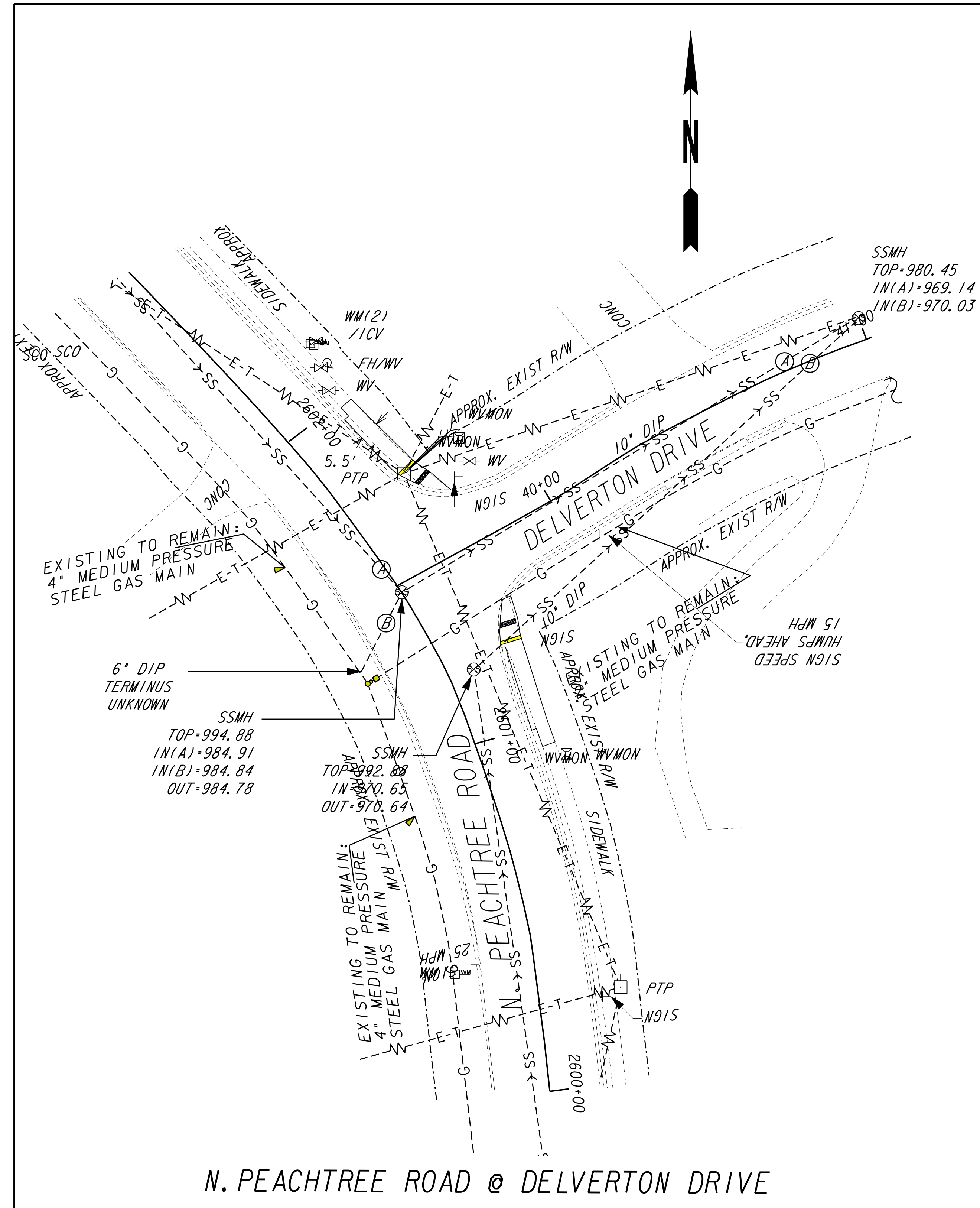


REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
UTILITY PLANS

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
24- 09

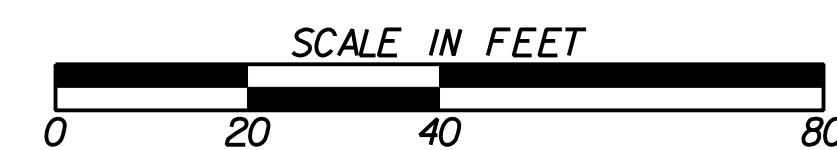


PROPERTY AND EXISTING R/W LINE -----P-----
 REQUIRED R/W LINE -----
 CONSTRUCTION LIMITS -----C-----F-----
 EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

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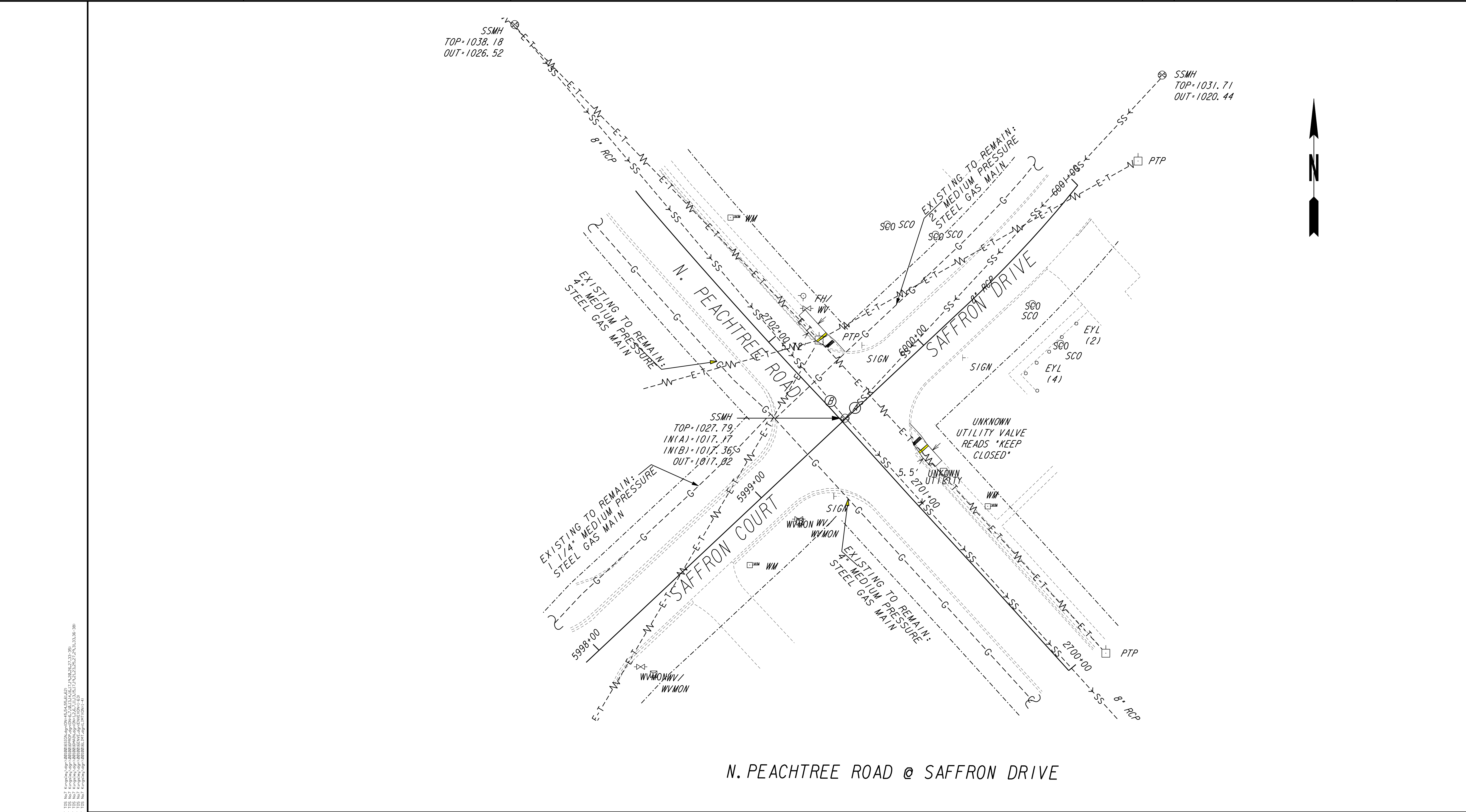
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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS               —ooo—ooo—
REQ'D R/W & LIMIT OF ACCESS —||—||—

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REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			UTILITY PLAN	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 24- 10	

REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			UTILITY PLAN	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 24- 11	



N. PEACHTREE ROAD @ SAFFRON DRIVE

1/5/2009
GPN

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

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

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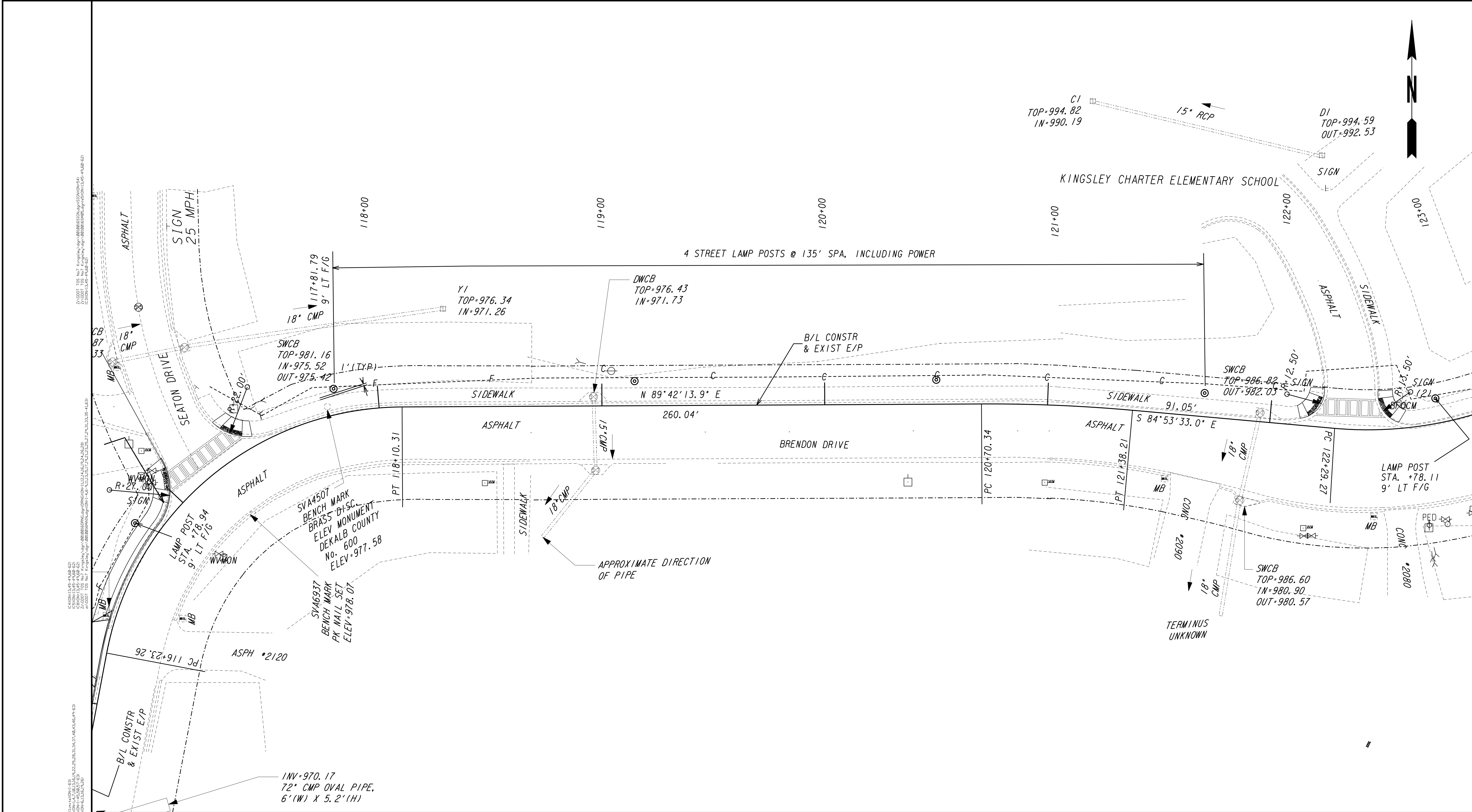
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Decatur, Georgia 30035
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SCALE IN FEET
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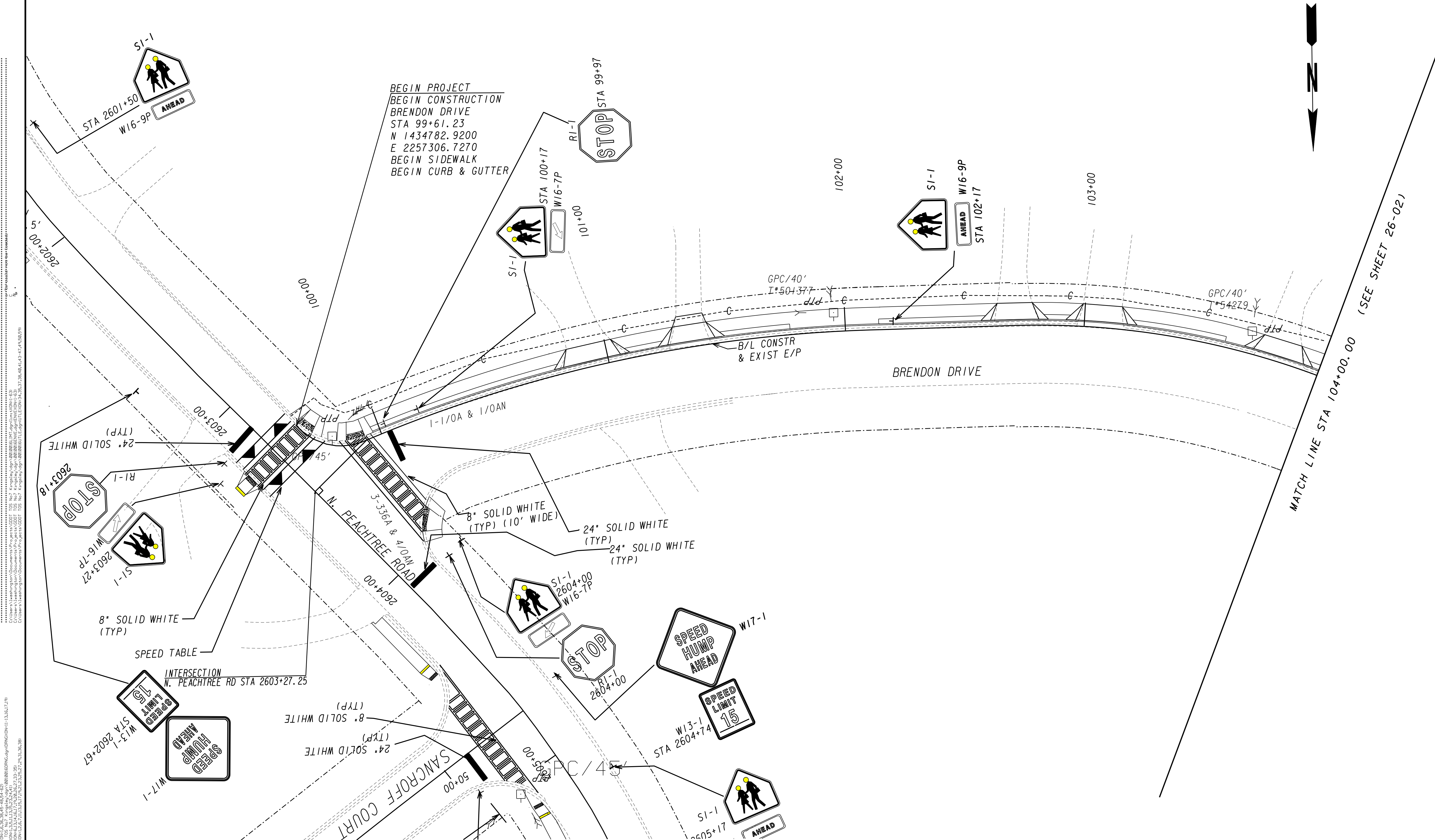
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
UTILITY PLAN
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
24- 12

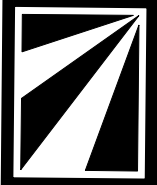


REVISION DATES		STATE OF GEORGIA	
4/8/2013		DEPARTMENT OF TRANSPORTATION	
		OFFICE: PROGRAM DELIVERY	
		LIGHTING PLANS	
		KINGSLEY CHARTER ELEMENTARY	
		SCHOOL IN DUNWOODY - SRTS	
		DRAWING No. 25-01	



PROPERTY AND EXISTING R/W LINE -----P-----
REQUIRED R/W LINE -----F-----
CONSTRUCTION LIMITS -----C-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES [Hatched Box]
EASEMENT FOR CONSTR OF SLOPES [Hatched Box]
EASEMENT FOR CONSTR OF DRIVES [Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS [Dashed Line]
REQ'D R/W & LIMIT OF ACCESS [Hatched Box]

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Decatur, Georgia 30035
404.917.1231

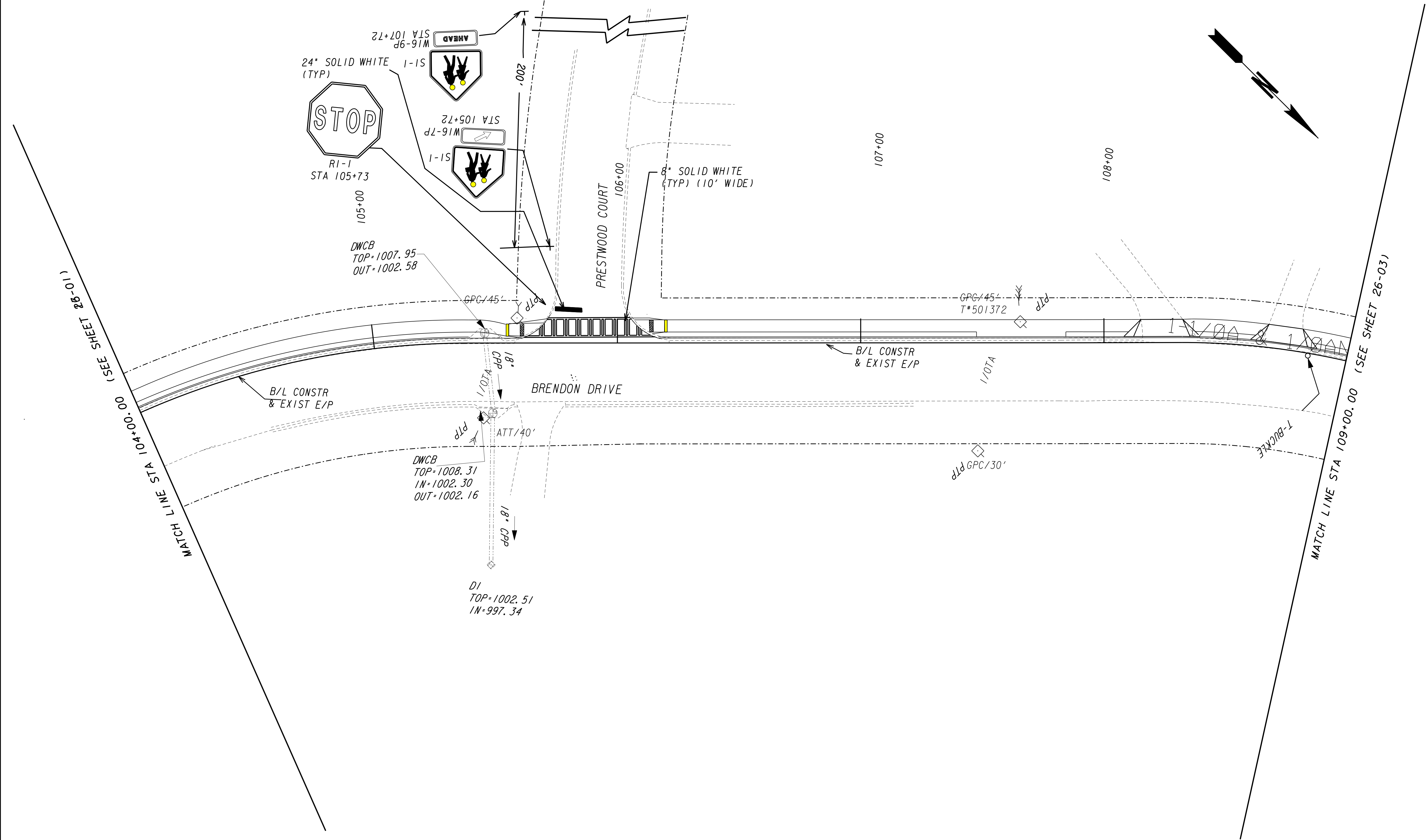


REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
SIGNING AND MARKING PLAN

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
26-01



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

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REQ'D R/W & LIMIT OF ACCESS

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LCW Engineering
INCORPORATED
South DeKalb Business Park
4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231

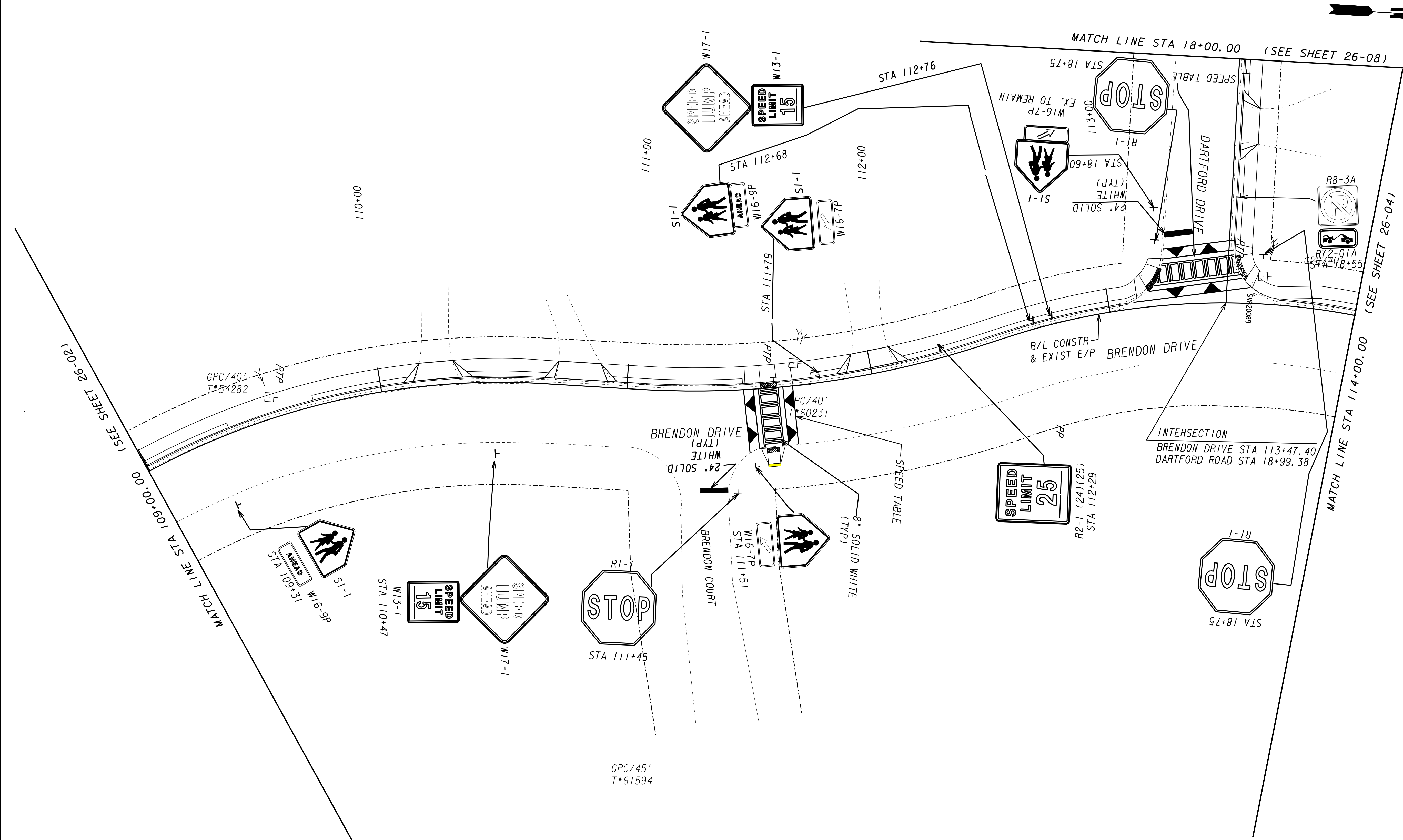
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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
SIGNING AND MARKING PLANS
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

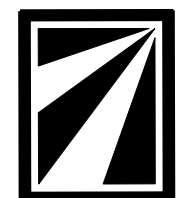
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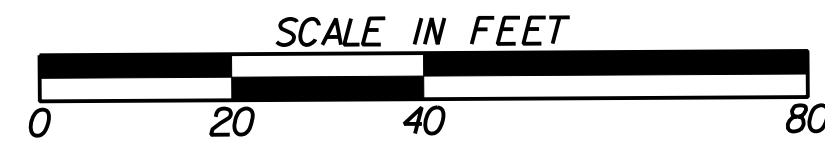
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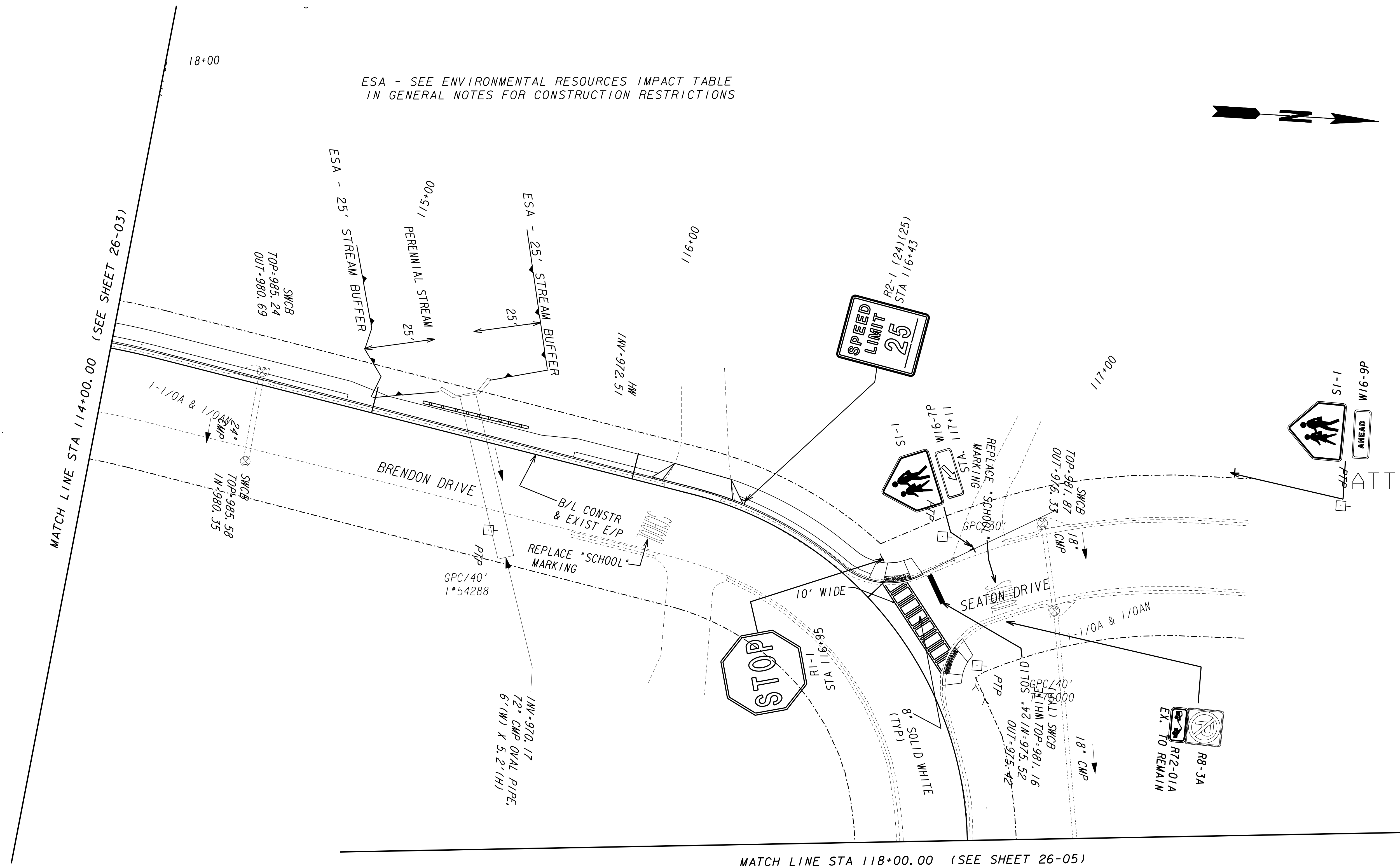
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REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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South DeKalb Business Park
4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231



REVISION DATES			STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			SIGNING AND MARKING PLAN	
			KINGSLEY CHARTER ELEMENTARY SCHOOL IN DUNWOODY - SRTS	
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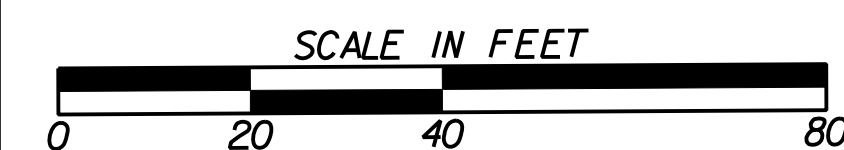


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 EASEMENT FOR CONSTR
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 EASEMENT FOR CONSTR OF DRIVES

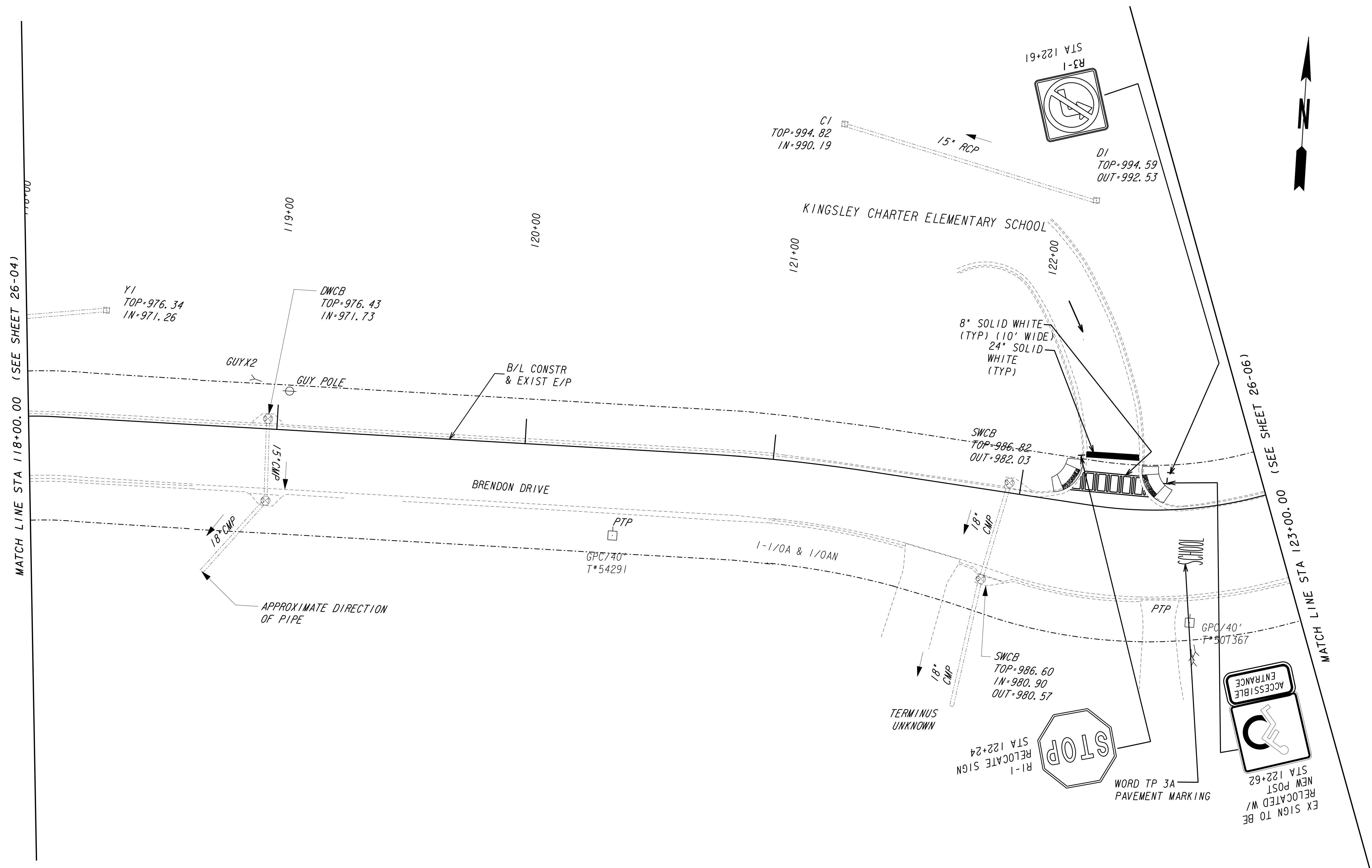
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REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
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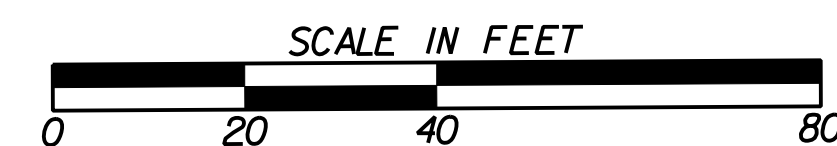


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 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

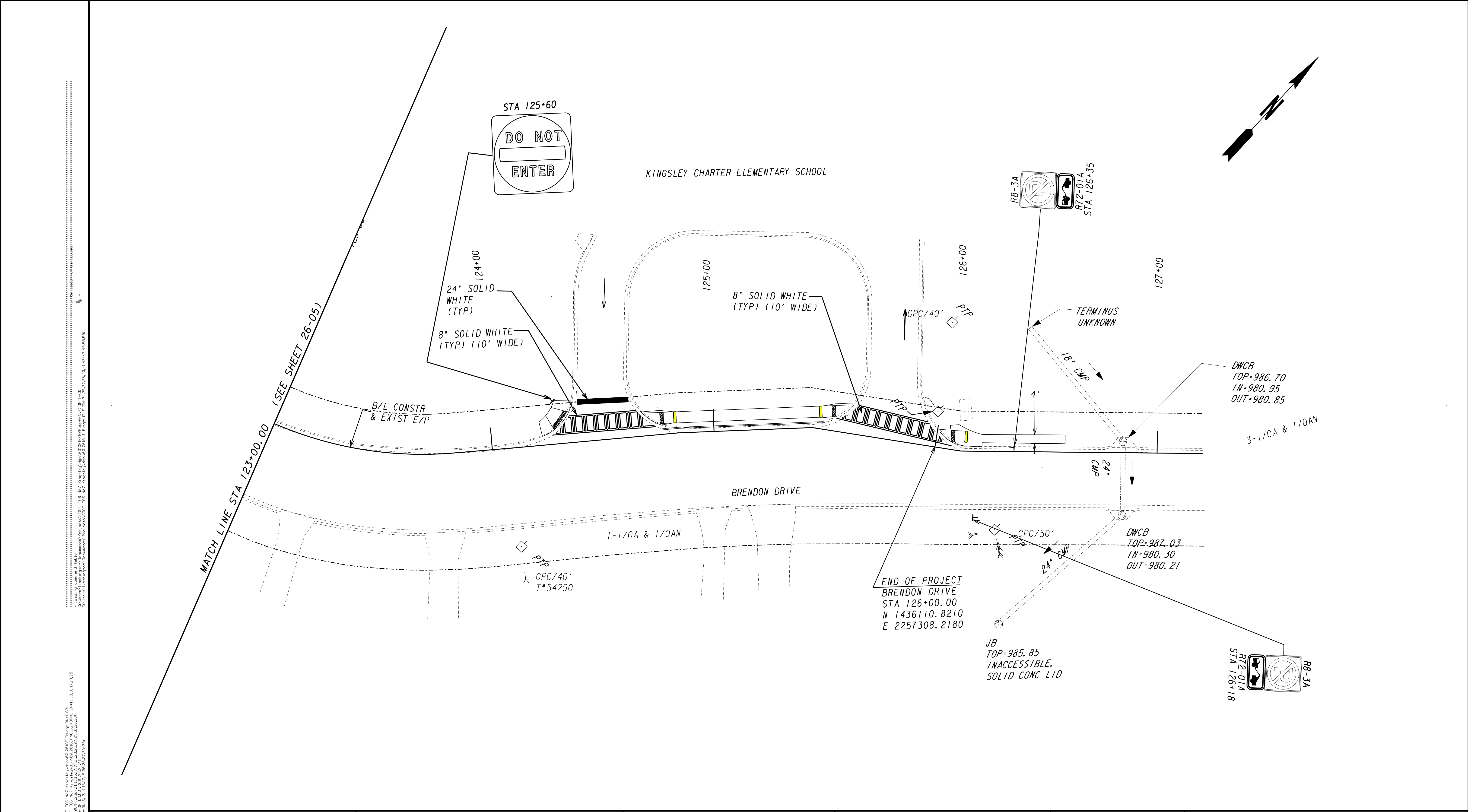
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REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			SIGNING AND MARKING PLAN	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 26-05	



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

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LCW Engineering
INCORPORATED
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4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231

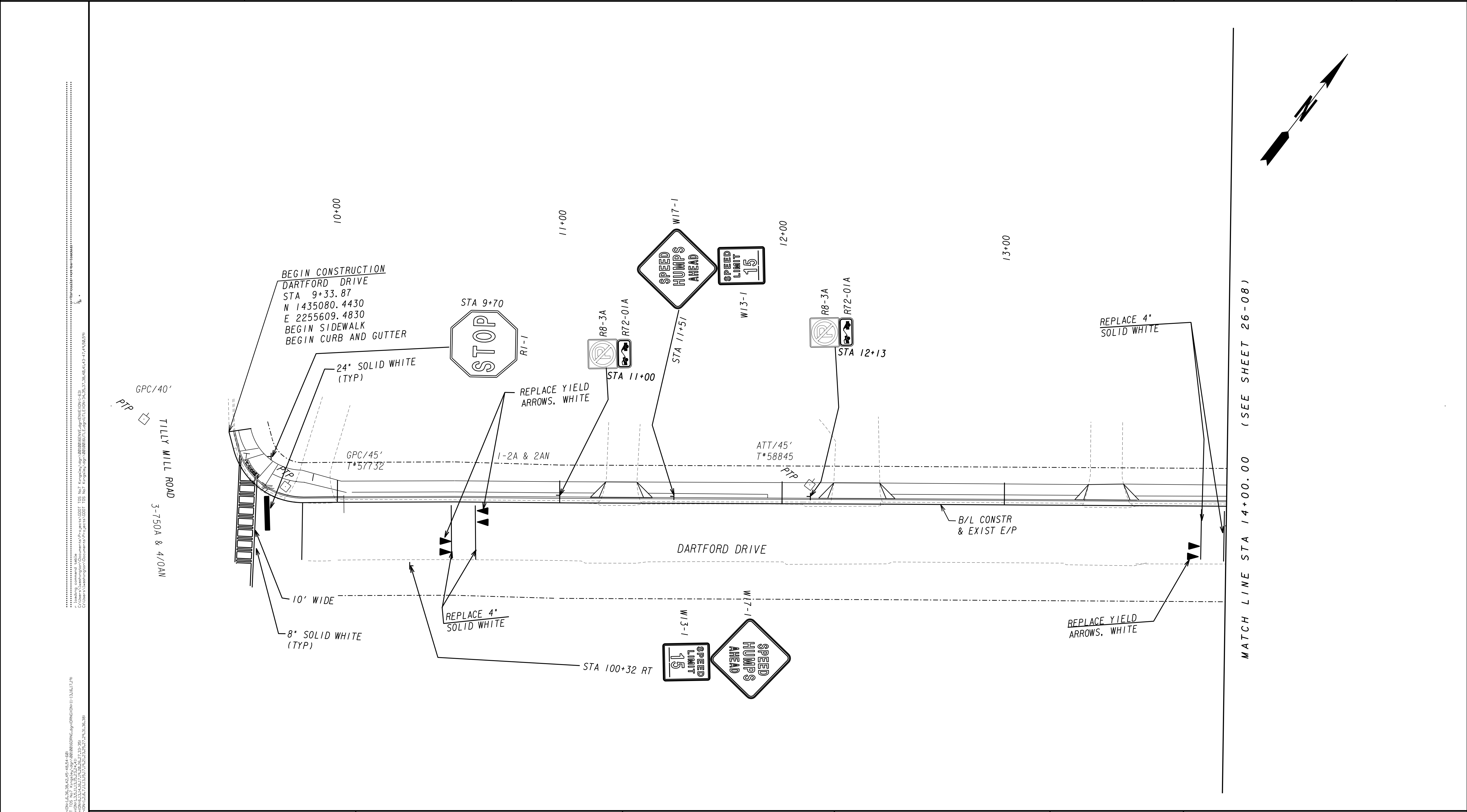
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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
SIGNING AND MARKING PLAN

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
26-06



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

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LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

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Decatur, Georgia 30035

404.917.1231

SCALE IN FEET

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REVISION DATES

STATE OF GEORGIA

DEPARTMENT OF TRANSPORTATION

OFFICE: PROGRAM DELIVERY

SIGNING AND MARKING PLANS

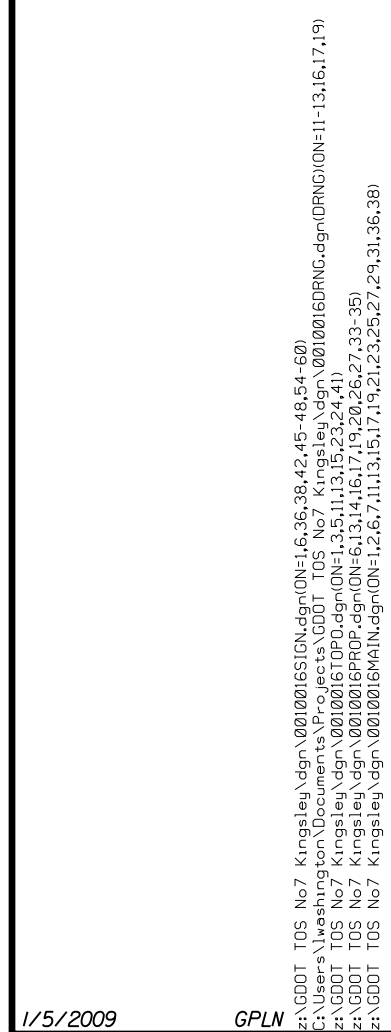
KINGSLEY CHARTER ELEMENTARY

SCHOOL IN DUNWOODY - SRTS

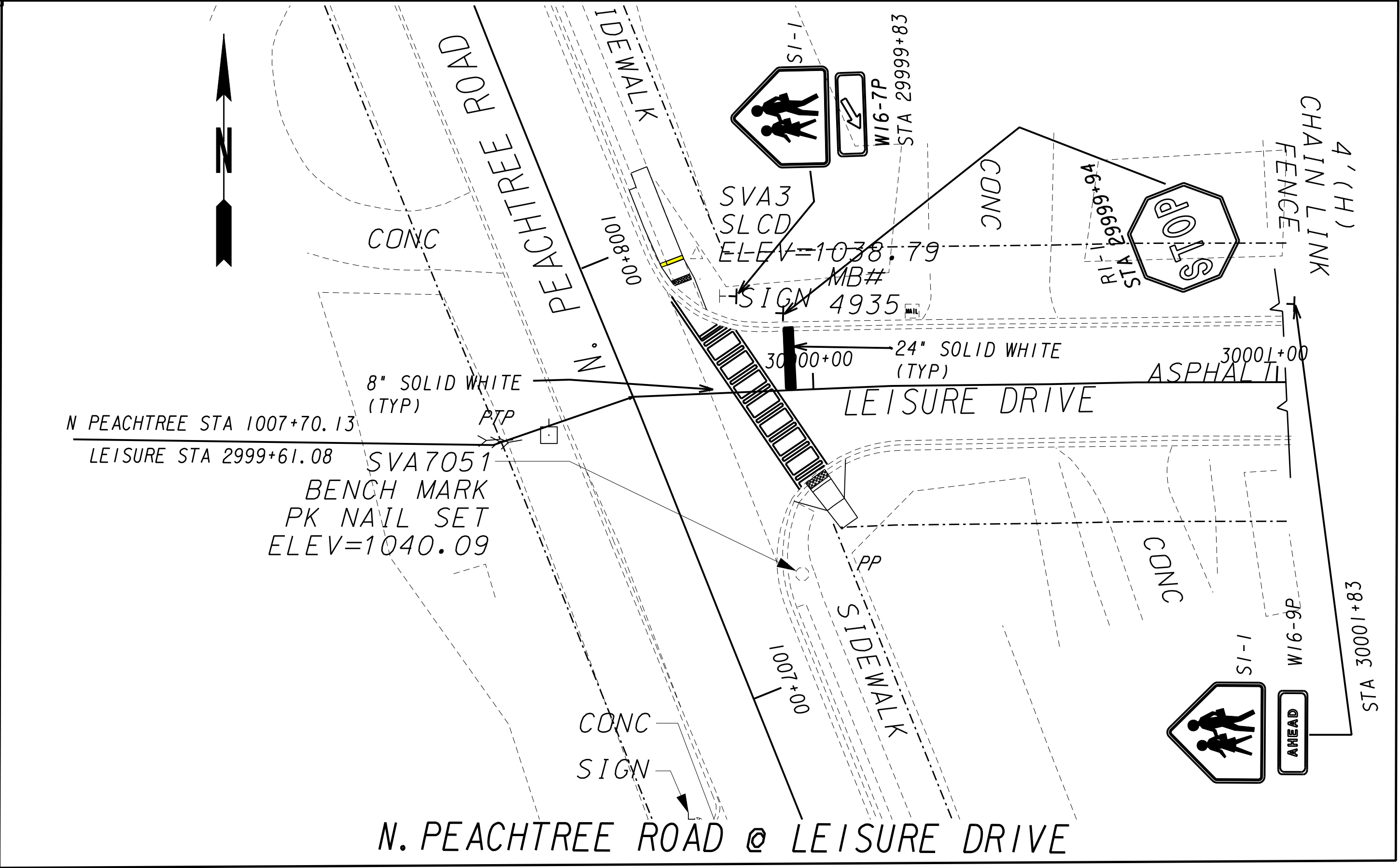
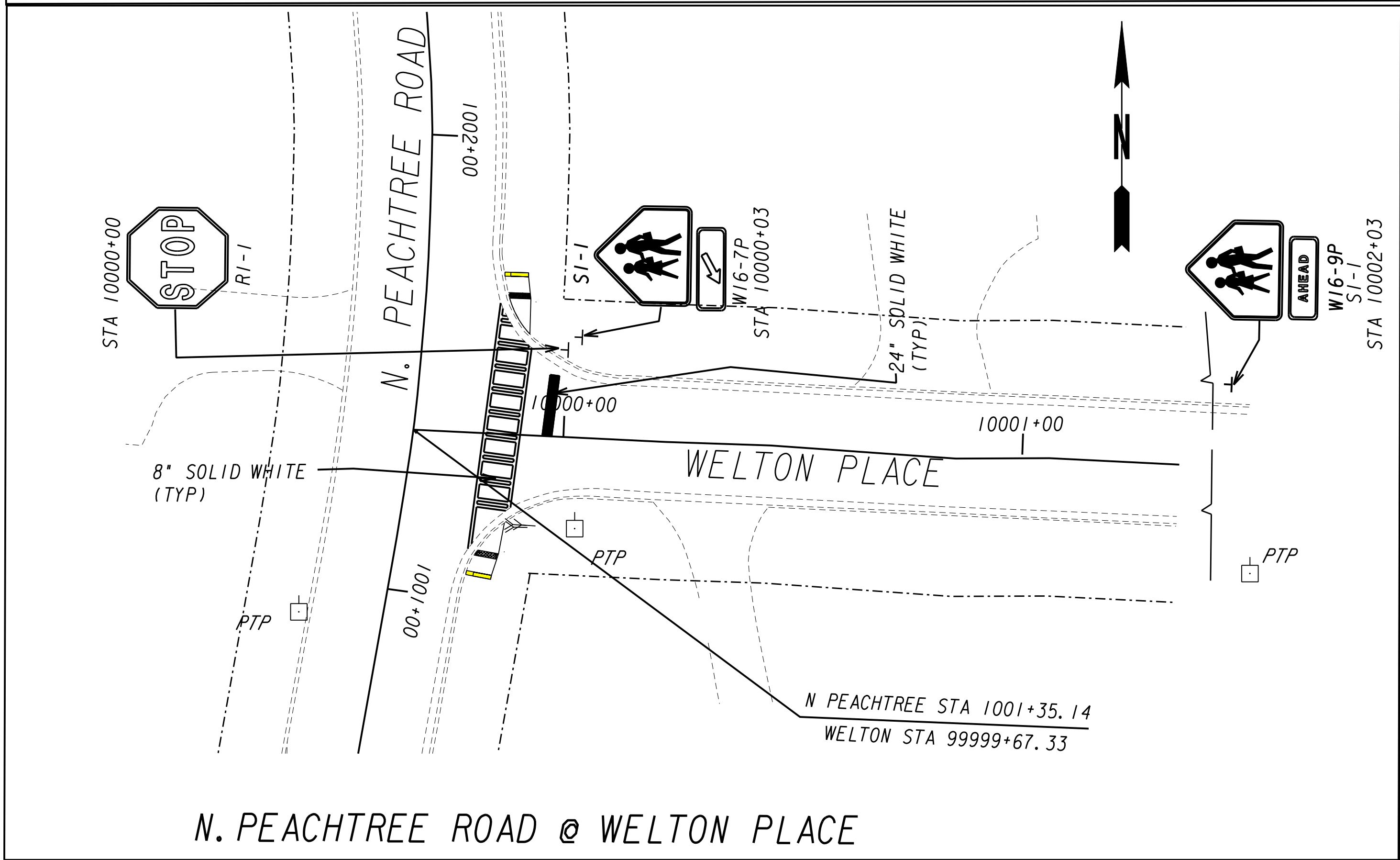
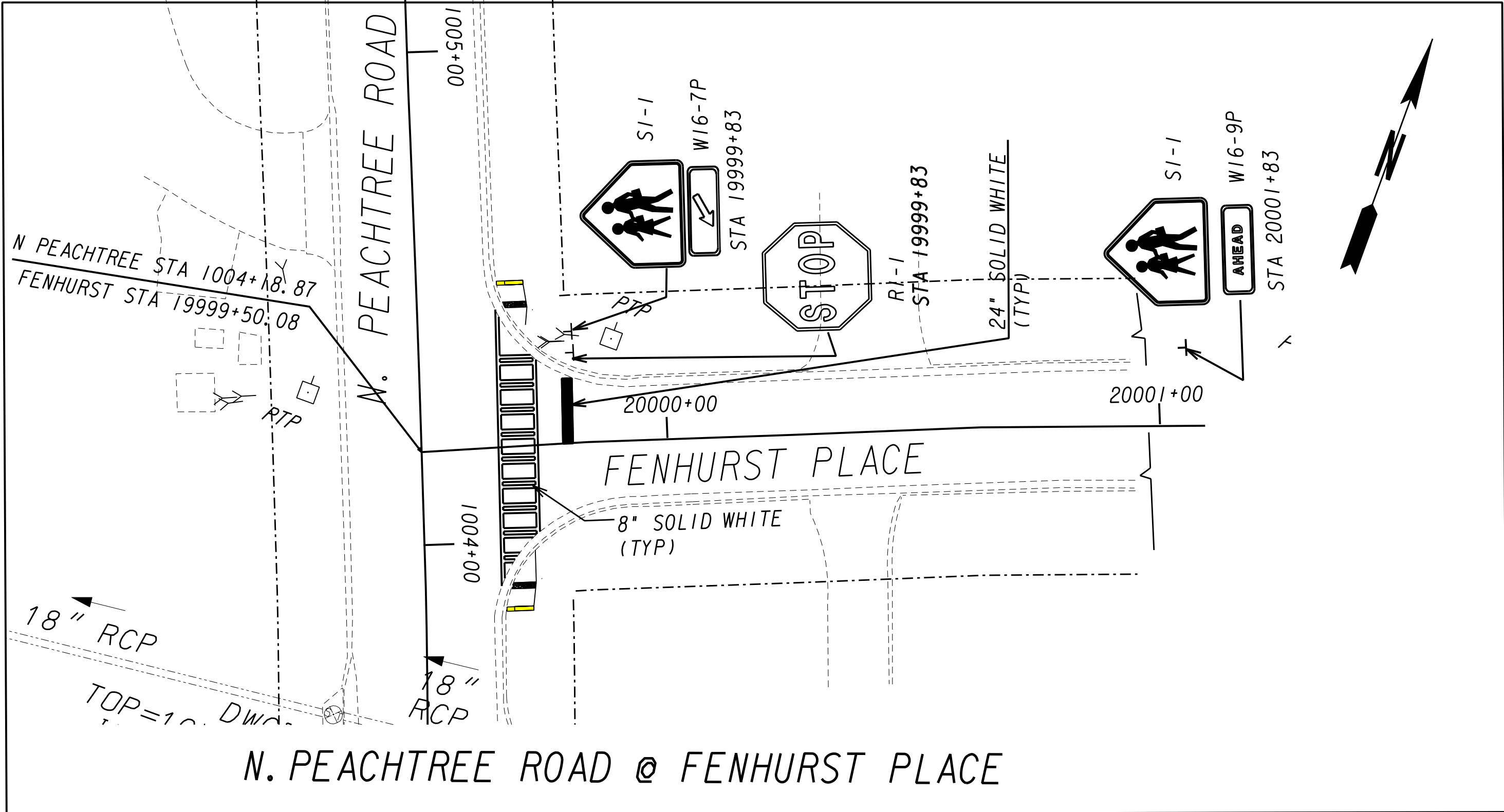
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26-07

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DRAWING No.
6-08



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

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REQ'D R/W & LIMIT OF ACCESS

LCWEngineering

INCORPORATED

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4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231

SCALE IN FEET

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
SIGNING AND MARKING PLAN

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

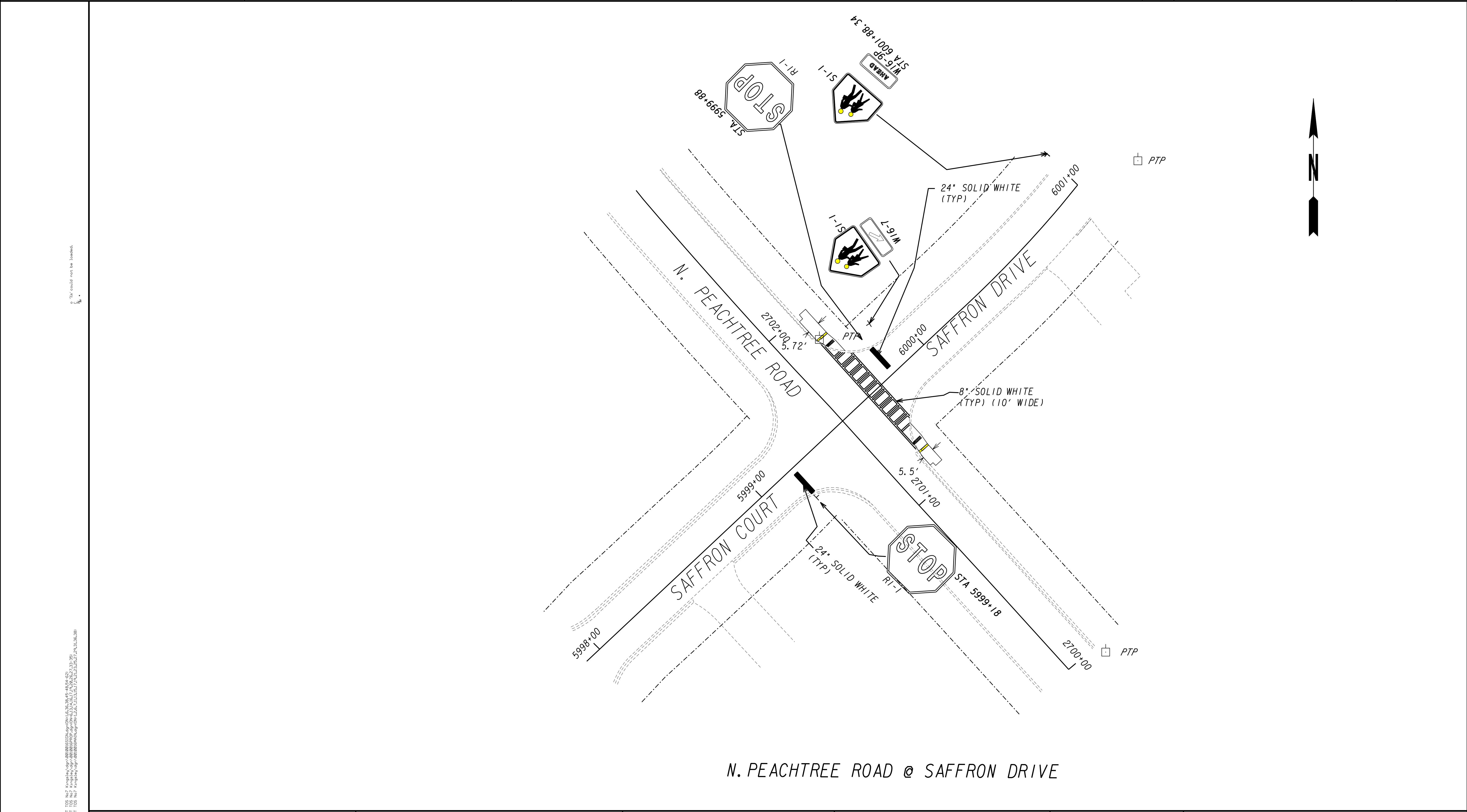
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DRAWING No.
6- 11



N. PEACHTREE ROAD @ SAFFRON DRIVE

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

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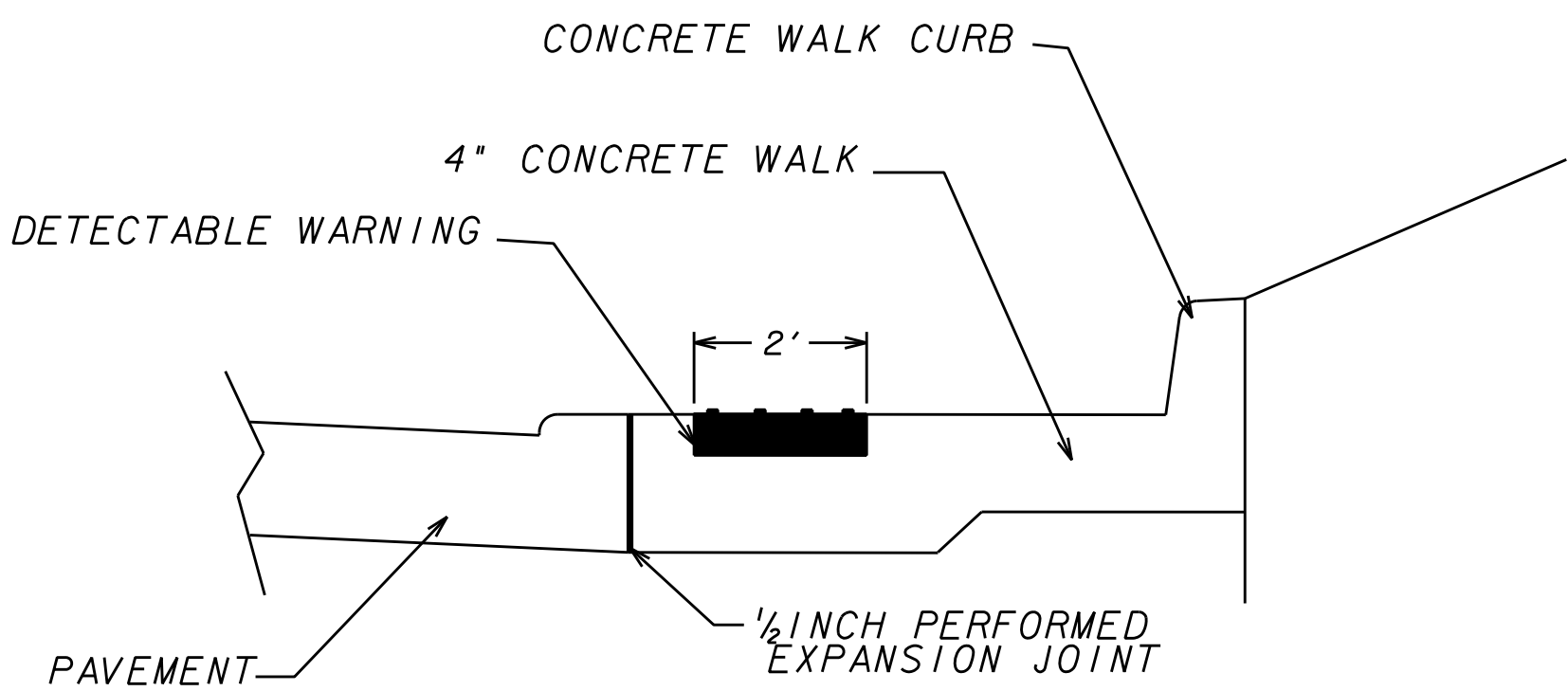
LCWEngineering
INCORPORATED
South DeKalb Business Park
4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231

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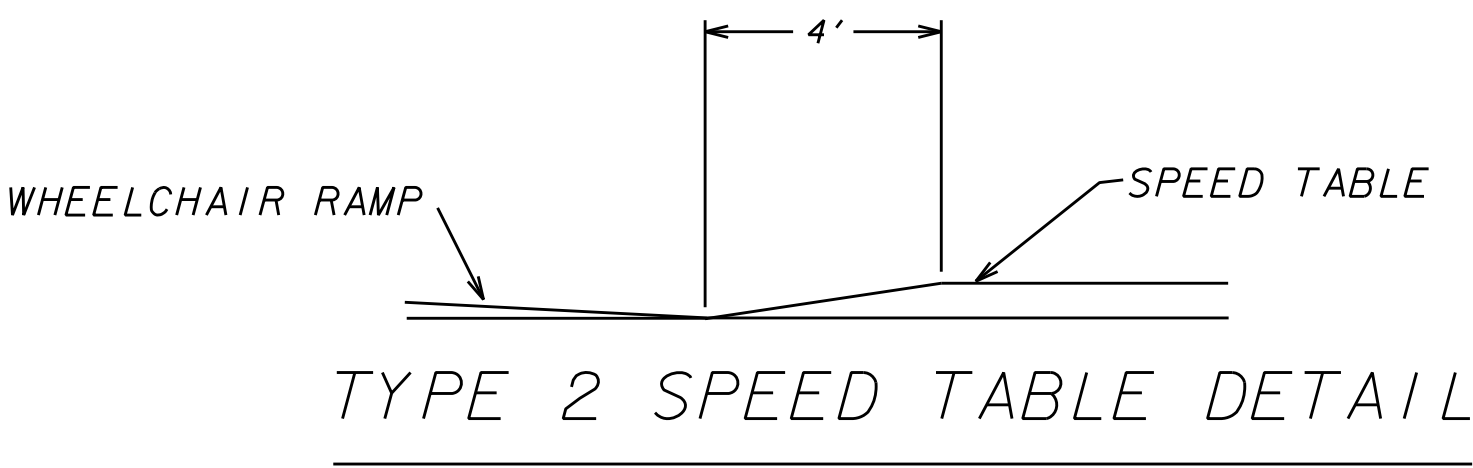
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
SIGNING AND MARKING PLAN
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

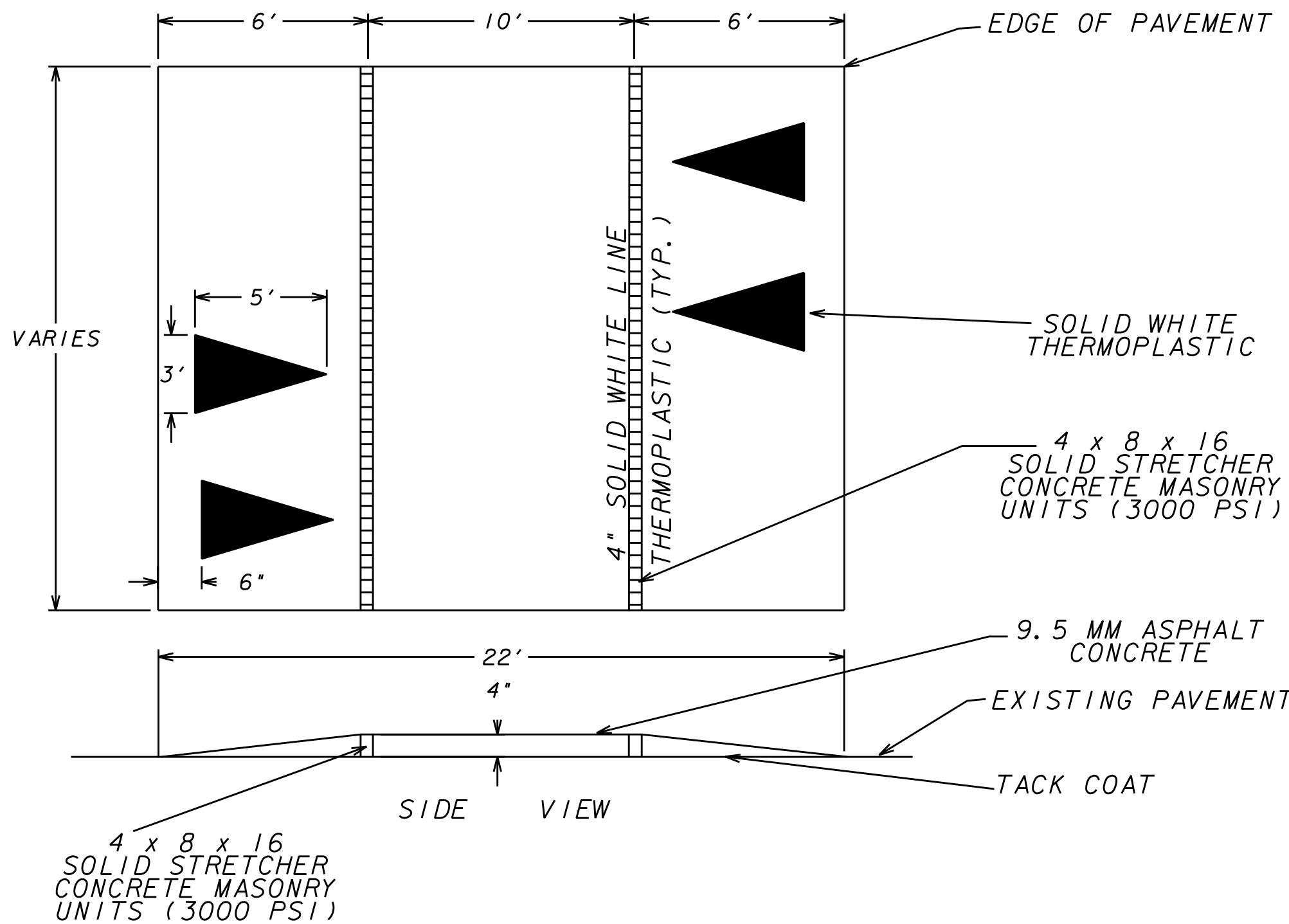
DRAWING No.
26- 12



CURB RAMP WITH CONCRETE WALK CURB

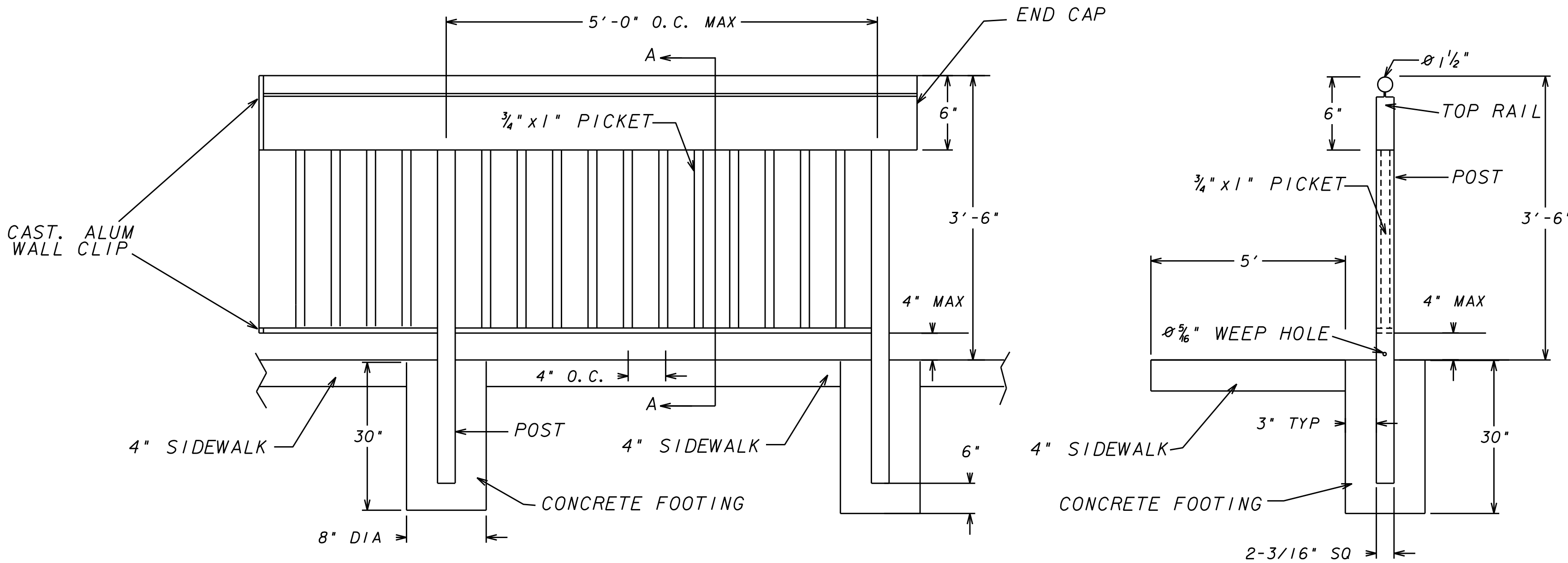


TYPE 2 SPEED TABLE DETAIL



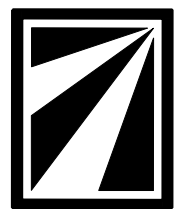
SPEED TABLE

- NOTES:
- USE TYPE 2 SPEED TABLE IN CONJUNCTION WITH CROSSWALKS, ONLY.
 - SPEED TABLES MAY BE CONSTRUCTED USING ASPHALT.
- A. ASPHALT CONSTRUCTION
- CONSTRUCT SPEED TABLES USING ASPHALTIC CONCRETE 9.5 MM SUPERPAVE IN ACCORDANCE WITH 402 OF THE GEORGIA DOT STANDARD SPECIFICATIONS, CURRENT EDITION.
 - APPLY TACK COAT AT A RATE OF 0.04 TO 0.06 GALLONS PER SQUARE YARD IN ACCORDANCE WITH 413 OF THE GEORGIA DOT STANDARD SPECIFICATIONS, CURRENT EDITION OR AS DIRECTED BY THE ENGINEER.
 - APPLY PAVEMENT MARKINGS USING WHITE THERMOPLASTIC 0.90 INCHES IN THICKNESS IN ACCORDANCE WITH SECTION 653 OF THE GEORGIA DOT STANDARD SPECIFICATIONS, CURRENT EDITION.
- A. APPLY RAISED PAVEMENT MARKINGS TP 11 (YELLOW/YELLOW) (CENTERLINE) AND TP 13 (CLEAR/RED) (EDGE OF PAVEMENT), USING HEATED BITUMINOUS ADHESIVE IN ACCORDANCE WITH SECTION 868 OF THE GEORGIA DOT SPECIAL SHELF PROVISION SPECIFICATIONS, CURRENT EDITION.



ALUMINUM HANDRAIL

SECTION A-A

**LCW Engineering**
INCORPORATED
South DeKalb Business Park
4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231

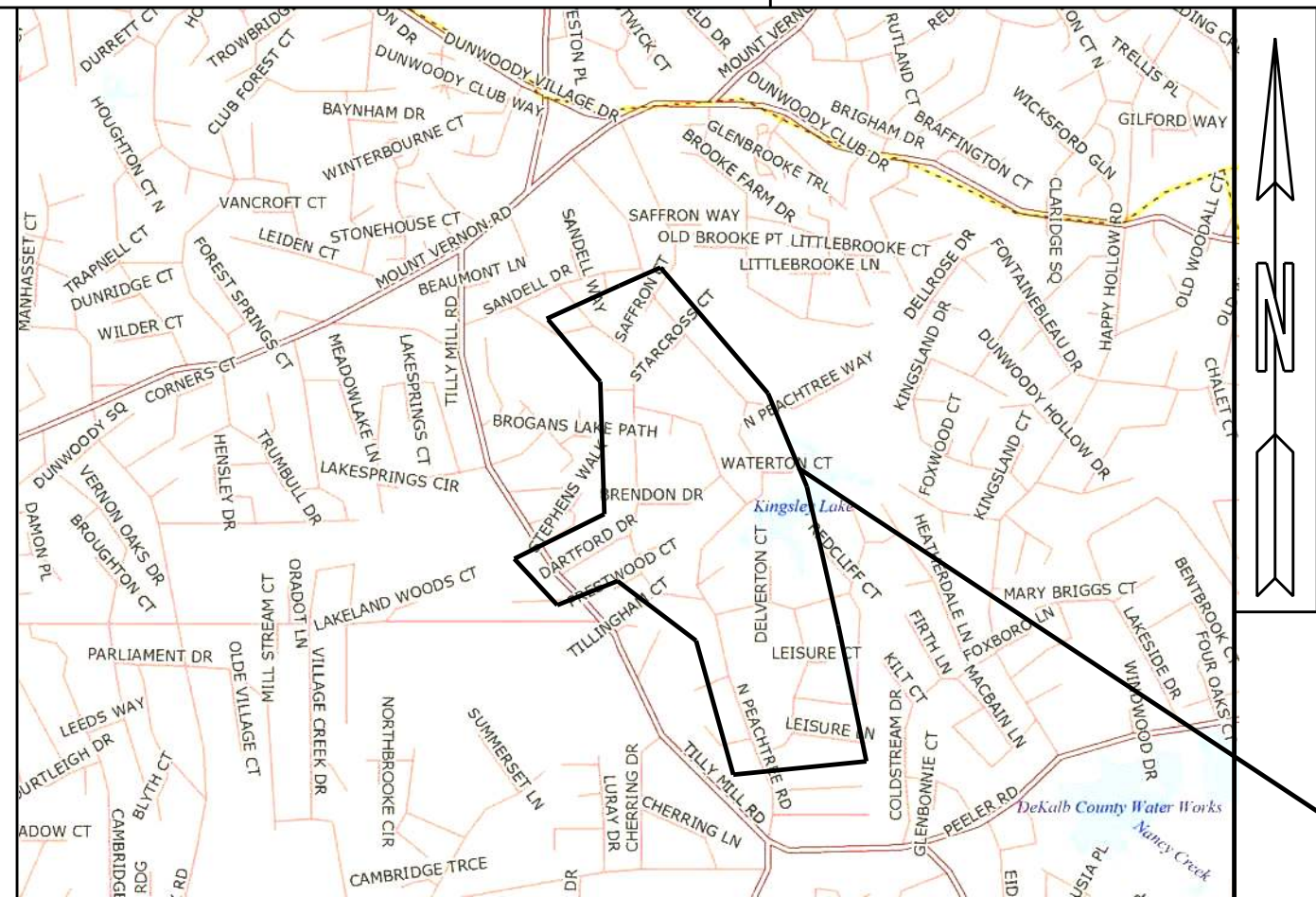
NOT TO SCALE

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
SPECIAL CONSTRUCTION DETAILS

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
38-01

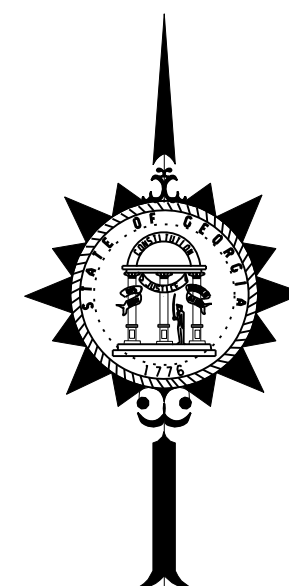


LOCATION SKETCH

-PROJECT LOCATION
DEKALB COUNTY

DEKALB COUNTY
FEDERAL AID PROJECT

FEDERAL ROUTE * N/A
STATE ROUTE * N/A
P. I. NO. 0010016



"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with part IV, of the General NPDES Permit No. GAR 100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR 100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that the certified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

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

CHIEF ENGINEER _____
Signature
Russell McMurtry, P.E., GSWCC LEVEL II Certification *0000012103

DESIGN ENGINEER Loretta C. Washington
Signature
Loretta Washington, P.E., GSWCC LEVEL II Certification *0000007847

[illegible]

AC
OV/D
SS
PRO

MID-POINT COORDINATES
 STA 112+80.00
 LATITUDE N 33° 56' 46.40"
 LONGITUDE W 84° 17' 56.72"

1 - TOTAL PROJECT ACREAGE : +/- 0.66 AC

2 - TOTAL DISTURBED ACREAGE : +/- 0.66 AC

3 - THE NATURE OF THIS PROJECT IS TO PROVIDE SAFE ROUTES TO A LOCAL SCHOOL BY ADDING A 5 - FOOT SIDEWALK WITH A 2 - FOOT GRASS STRIP ALONG WITH REMOVING THE EXISTING CURB AND GUTTER AND REPLACING WITH NEW. PROJECT CONSTRUCTION IS TO TAKE PLACE ALONG BRENDON AVENUE AND DARTFORD DRIVE IN DUNWOODY, GEORGIA.

4. PRIMARY PERMITTEE:

BEGIN CONSTRUCTION
DARTFORD DRIVE
STA 9+33.87
N 1435080.4430
E 2255609.4830

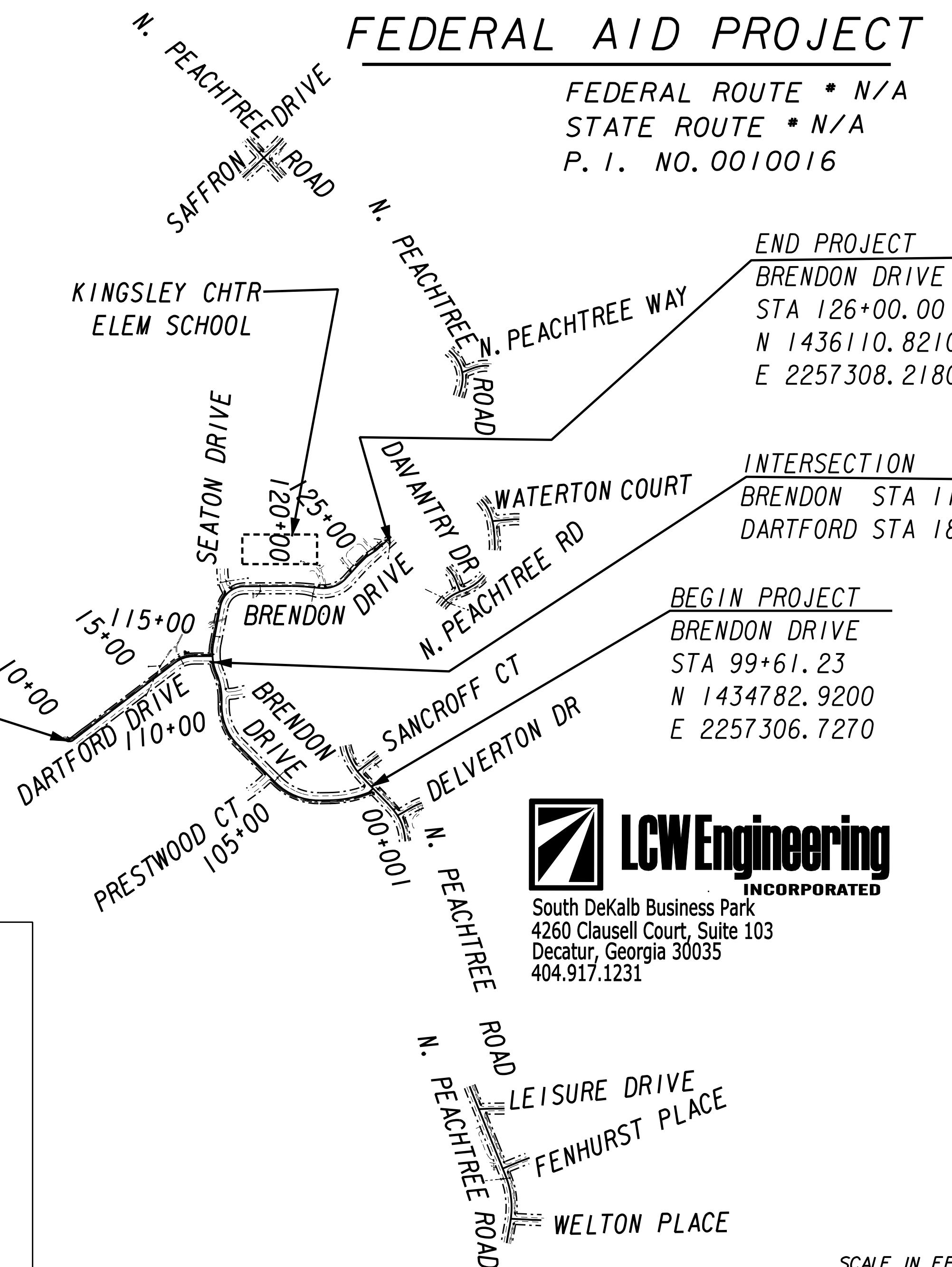
THE PROJECT RECEIVING WATERS IS KINGSLEY LAKE .

24 Hour Contact:

Name

Phone Number

Contractor shall complete the information in this box.



SCALE IN FEET

0 500 1000 2000

REVISED JUNE 7, 2012

ESPCP GENERAL NOTES:

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

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

PLAN ALTERATIONS

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

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

TEMPORARY MULCHING

EPD General Permit GAR 100002 states that "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." - However, the Department typically requires disturbed areas to be stabilized every 7 days. The construction documents, special provisions, or specifications may require mulching more often than 7 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding fertilizer, lime and mulching rates for this project can be found in section 700 of the current edition of the Department's specifications and other applicable contract documents, special provisions, or landscaping plans.

SEQUENCE OF MAJOR ACTIVITIES

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

PETROLEUM STORAGE, SPILLS AND LEAKS

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

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

SOIL SERIES INFORMATION

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

- CeB: Cecil Sandy Loam, 2 to 6 percent slope
- CuC: Cecil-Urban Land Complex, 2 to 10 percent slope
- PuE: Pacolet-Urban Land Complex, 10 to 25 percent slopes.
- Ud: Urban Land

POST-CONSTRUCTION BMP'S

All permanent, post-construction BMP's are shown in the construction plans and in the ESPCP plan. The post-construction BMP's for this project may consist of permanent detention ponds, filter basins, vegetation, permanent slope drains and/or flumes, rip-rap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channel/ditch stabilization with Turf Reinforcing Mats, rip-rap, and concrete ditch lining where necessary. The post-construction BMP's will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using Jhooks (or spurs). The J hooks shall be utilized on all silt

fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook

hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

SITE STABILIZATION AND BMP MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 710, and other contract documents for stabilization and maintenance measures.

WASTE DISPOSAL

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

INSPECTIONS

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

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

By agreement with Georgia EPD, the Department's Construction Project Engineer will be responsible for the seven day inspections required for new BMP installations.

NON-STORM WATER DISCHARGES

Non-storm water discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, The Manual for Erosion and Sediment Control in Georgia, Department Standards, and contract documents.

DE-WATERING ACTIVITIES AND USE OF PUMPS

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of their pumped discharges. The contractor shall prepare sampling plans in accordance with the current GARI00002 NPDES permit utilizing by a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

OTHER CONTROLS

The contractor shall follow this ESPCP and ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

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

RETENTION OF RECORDS

In accordance with Part IV.F of the General Permit GARI00002, the Department will retain all records related to the implementation of this ESPCP for the duration of the project.

SEDIMENT STORAGE

The site has a total disturbed area of 0.66 acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

[illegible]

In order to prevent runoff from bypassing inlet sediment traps, a temporary berm shall be installed on the downstream side of all inlet sediment traps that are not located in a low point or an excavated sump. Temporary berms, when necessary, shall be a minimum of 18" high and constructed in a manner that ensures stormwater does not bypass the inlet. The contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

3/1/2007 GPLN : 

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

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an Impaired Stream Segment that has been listed for criteria violated, "Bio F" (Impaired Fish Community) and/or "Bio M" (Impaired Macro Invertebrate Community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

STREAM BUFFER ENCROACHMENT

Stream Buffers are impacted by this project. The contractor is not authorized to enter into stream buffers, except as described in the table below:

Name (name or number of feature)	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water) *	Buffer Impacted (Yes/No)	Buffer Variance Required?
	Alignment	Begin Sta (Lt or RT)	End Sta (Lt or Rt)			
PERENNIAL STREAM 1 LAKE BRANCH		115+25	115+36	WARM	YES	YES
THE ACTIVITES ALLOWED IN THE BUFFER WILL INCLUDE CONSTRUCTION OF A 5 FT SIDEWALK AND NEW CURB AND GUTTER BOTH OF WHICH WILL BE LOCATED PERPENDICULAR TO THE EXISTING STREAM FLOW.						

* Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold Water streams have a 50-foot buffer as measured from the wrested vegetation.
** Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets.

MONITORING GENERAL NOTES:

Representative sampling may be utilized on this project. The characteristics of the individual watersheds along the project corridor have been carefully evaluated and compared on the basis of drainage characteristics, watershed size, land disturbance and earth work. After evaluation of these items as presented in the projects drainage area maps, hydrology and hydraulic studies, construction plans and erosion sedimentation and pollution control plans, it has been determined that the increase in turbidity at the specified locations will be representative of the increase in turbidity for all waters leaving the site. Approved primary and alternate representative monitoring sites are identified in the table:

Monitoring Site	Primary or Alternate site	Location (Sta. and side)	Name of Receiving water.	Applicable construction stage for monitoring	Sampling Type (Outfall or Receiving Water)	Drainage Area (For the receiving water)	Disturbed Area	Warm or Cold water Stream	Appendix B NTU value (Outfall Monitoring Only)	Allowable NTU Increase (For Receiving Water)	Location Description
*1	Primary	Brendon Dr. 105+50	Kingsley Lake	GRADING	Outfall	0.20 AC	0.14 AC	Warm	75	BELOW 75 NTU	Residential
*2	Primary	Brendon Dr. 115+50	Kingsley Lake	GRADING	Outfall	0.27 AC	0.12 AC	Warm	75	BELOW 75 NTU	Residential
*3	Primary	Dartford Dr. 17+25	Kingsley Lake	GRADING	Outfall	0.40 AC	0.15 AC	Warm	75	BELOW 75 NTU	Residential

(According to the EPD, additional monitoring sites may be required depending on significant changes in typical sections)

The primary site specified should be used as the initial sampling location. The alternate sampling sites may be used if additional sampling is required and/or if the primary sampling site is no longer located within the active phase of construction.

MONITORING SAMPLING METHODS & PROCEDURES

See Special Provision 167 and other contract documents for Monitoring Sampling Methods and Procedures.

READY MIX CHUTE WASH-DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of portland cement concrete is prohibited on this site. In accordance with standard Specification 107 - Legal Regulations and Responsibility to the Public, only the discharge "chute" utilized in portland cement concrete delivery may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travel way, including shoulders, for a wash/pit area. The pit shall be large enough to store all wash-down water without overlapping the pit. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above shall be graded to match the elevation of the surrounding areas smoothed out. Alternate wash down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down water pit location that includes the following: (1) the pit is located away from a storm drain, stream or river, (2) the pit is accessible to the vehicle being used for wash-down, (3) the pit has enough volume for wash-down water, and (4) make sure you have permission to use the area for wash-down. On some sites, you may not have permission or access to a location which allows for a wash-down pit. In those cases, the Contractor may have to wash-down into a wheelbarrow or other container and carry the container for transport to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

24 Hour Contact:

Name

Phone Number

Contractor shall complete the information in this box.

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
ESPC GENERAL NOTES

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
51-02

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

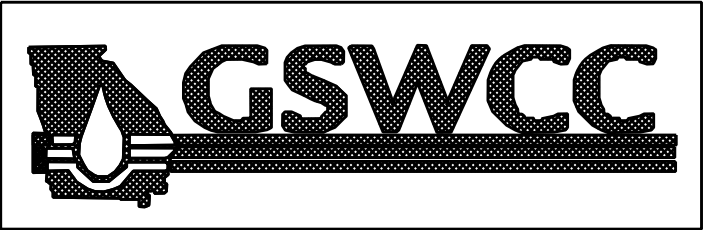
SWCD:

Project Name: KINGSLEY CHARTER ELEMENTARY SAFE ROUTES TO SCHOOL

Address: 2051 BRENDON DRIVE, DUNWOODY, GA 30338

City/County: DUNWOODY/DEKALB

Date on Plans: 09/04/2012



Plan Page#	Included: Y/N:	TO BE SHOWN ON ES&PC PLAN
51-03	Y	1. The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
COVER	Y	2. Level II certification number issued by the Commission, signature and seal of the certified design professional.
51-02	Y	3. The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
COVER	Y	4. Provide name, address and phone number of primary permittee.
COVER	Y	5. Note total and disturbed acreage of the project or phase under construction.
COVER	Y	6. Provide land lot and district numbers for site location. Describe critical areas and any additional measures that will be utilized for these areas.
COVER	Y	7. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
COVER	Y	8. Graphic scale and north arrow.
INCLUDED	Y	9. Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: - Existing Contours: USGS 1" : 2000' topographical sheets - Proposed Contours: 1" : 400' centerline profile
INCLUDED	Y	10. Delineation and acreage of contributing drainage basins on the project site.
54-04	Y	11. Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
54-04	Y	12. Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
54-02	Y	13. Delineation of all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.
54-02	Y	14. Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-01	Y	15. Soil series for the project site and their delineation.
COVER	Y	16. Identify the project receiving waters and describe all adjacent areas including streams, lakes, residential areas, wetlands, etc. which may be affected.
	NA	17. Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biotra Impaired Stream Segment must comply with Part III, C. of Permit. Include the completed Appendix I listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.
	NA	18. If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 18 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.
INCLUDED	Y	19. Delineate on-site drainage and off-site watersheds using USGS 1" : 2000' topographical sheets.
51-01	Y	20. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
54-01	Y	21. The limits of disturbance for each phase of construction.
	NA	22. Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written rationale explaining the decision to use equivalent controls when a sediment basin is not attainable from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls.
	NA	23. Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission).
51-01	Y	24. Best Management Practices to minimize off-site vehicle tracking of sediments and the generation of dust.

Plan Page#	Included: Y/N:	
51-02	Y	25. BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.
51-01	Y	26. Provide BMPs for the remediation of all petroleum spills and leaks.
51-02	Y	27. Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
51-01	Y	28. Description of the nature of construction activity.
	NA	29. A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs (2) intermediate grading and drainage BMPs, and (3) final BMPs.
COVER	Y	30. Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
51-01	Y	31. Description of the practices that will be used to reduce the pollutants in storm water discharges.
51-01	Y	32. Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.
COVER	Y	33. Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
COVER	Y	34. Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 14 of the permit.*
COVER	Y	35. Certification statement and signature of the permittee or the duly authorized representative as stated in section V.G.2.d. of the state general permit.
54-02	Y	36. An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
51-02	Y	37. Indication that non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation without first acquiring the necessary variances and permits.
51-01	Y	38. Indication that the design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation.*
51-01	Y	39. Indication that amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.
51-01	Y	40. Indication that waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.
51-02	Y	41. Documentation that the ES&PC Plan is in compliance with waste disposal, sanitary sewer, or septic tank regulations during and after construction activities have been completed.
	Y	42. Provide complete requirements of inspections and record keeping by the primary permittee.
	Y	43. Provide complete requirements of sampling frequency and reporting of sampling results.
	Y	44. Provide complete details for retention of records as per Part IV.F. of the permit.
	Y	45. Description of analytical methods to be used to collect and analyze the samples from each location.
	Y	46. Appendix B rationale for outfall sampling points where applicable.*\
51-01	Y	47. Clearly note statement in bold letters - "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land disturbing activities."
51-01	Y	48. Clearly note maintenance statement in bold letters - "Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-01	Y	49. Clearly note the statement in bold letters - "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
EC-L I	Y	50. Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
51-01	Y	51. Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

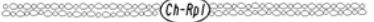
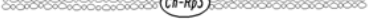
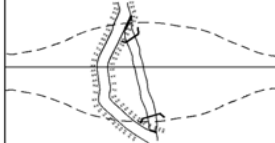
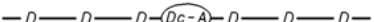
Effective January 2012

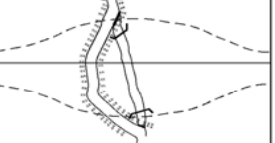
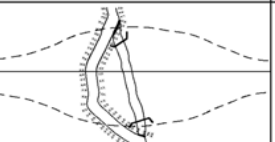
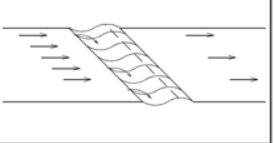
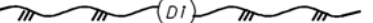
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
ESPC GENERAL NOTES

KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

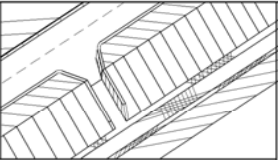
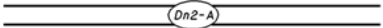
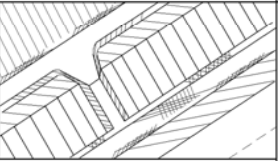
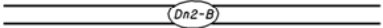
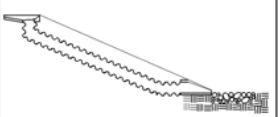
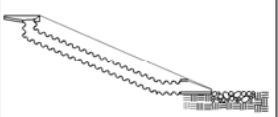
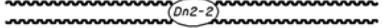
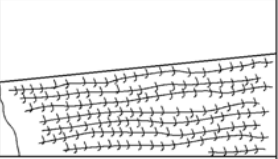
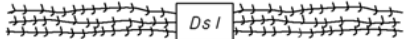
DRAWING No.
51-03

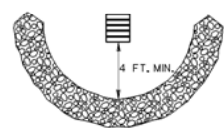
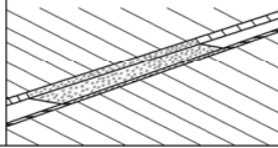
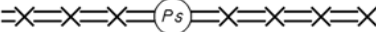
	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Ch-Rp1	CHANNEL RIP RAP TYPE 1 SECTION 161, 603	 LINE CODE 	THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP RAP SHALL PROTECT THE DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED ALONG THIS CHANNEL SUCH AS Sd1-C, Rdc OR Sg. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS
	Ch-Rp3	CHANNEL RIP RAP TYPE 3 SECTION 161, 603	 LINE CODE 	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 DITCH FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT DITCH PROTECTION PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED ALONG THIS CHANNEL SUCH AS Sd1-C, Rdc OR Sg. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS
	Ch-V	CHANNEL GRASS SECTION 161, 700	 LINE CODE 	USED TO IMPROVE OR STABILIZE A NEW OR EXISTING CHANNEL. IT IS CONSTRUCTED IN STORMWATER DRAINAGE DITCHES. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT DITCH PROTECTION PROGRAM ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
	Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL	 LINE CODE 	A STONE STABILIZED PAD LOCATED AT ANY POINT WHERE TRAFFIC WILL BE EXITING A CONSTRUCTION SITE TO A PUBLIC ROAD. BEST USED AT ACCESS POINTS, I. e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MIN. 20' WIDE AND 50' LONG, AND 6" THICK. REQUIRES A GEOTEXTILE UNDERLINER. INCLUDED IN THE PRICE FOR THE CONSTRUCTION EXIT.
	Dc-A	DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163	 LINE CODE 	A DIVERSION CHANNEL IS 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-C 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 DESIGNED FOR A TWO YEAR STORM FREQUENCY WITH A FLOW RATE BETWEEN 0-2.5 fps. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Dc-B	DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163	 LINE CODE 	A DIVERSION CHANNEL IS 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-C 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 DESIGNED FOR A TWO YEAR STORM FREQUENCY WITH A FLOW RATE BETWEEN 2.5-9.0 fps. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	Dc-C	DIVERSION CHANNEL RIPRAP AND GEOTEXTILE SECTION 163	 LINE CODE 	A DIVERSION CHANNEL IS 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 RIPRAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-C 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 DESIGNED FOR A TWO YEAR STORM FREQUENCY WITH A FLOW RATE BETWEEN 9.0-13.0 fps. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	Di	DIVERSION CONSTRUCTION DETAIL SECTION 205	 LINE CODE 	AN EARTH CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE, CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE AND TO INTERCEPT RUNOFF AND DIRECT THE RUNOFF TO A STABLE OUTLET. SEE CHAPTER 6 OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA FOR DESIGN CRITERIA AND DETAILS.
	Dn1	DOWN DRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL SECTION 163	 LINE CODE 	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 500 FEET ON A 0 TO 2 PERCENT GRADE, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE USUAL PIPE SIZE IS 10 INCH CORRUGATED. THE OUTLET AREA SHOULD BE STABILIZED WITH SILT FENCE, SUMP HOLE, HAYBALES, ANGLING OUTLET IN UPHILL DIRECTION OR OTHER APPROPRIATE MEANS FOR VELOCITY DISSIPATION AND EROSION CONTROL. THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'.

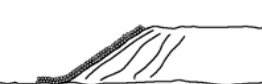
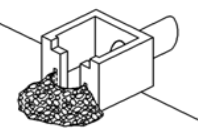
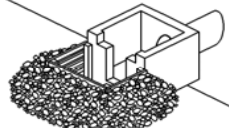
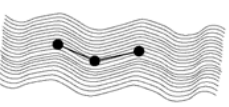
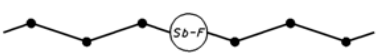
NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

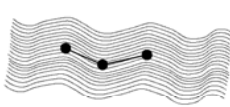
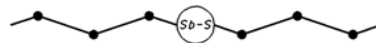
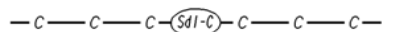
11-13-07	11-09-07	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA		
REVISED ORDER	REVISED TITLE BLOCK	REVISION	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 2 OF 6		
NO SCALE		JANUARY 2007			
GLO	GLO	BY	NUMBER EC-L2	DRAWING No. 52-2	

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Dn2-A	PERMANENT DOWN DRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL SECTION 441	 LINE CODE 	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 OR OTHER CRITERIA).
	Dn2-B	PERMANENT DOWN DRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL SECTION 441	 LINE CODE 	A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25 YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD. 9017J TPI, D-26 TPI SECTION 576, 577.	 LINE CODE 	CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	Dn2-2	PERMANENT DOWN DRAIN STRUCTURE GA. STD. 9017J TP2, D-26 TP2 SECTION 576, 577.	 LINE CODE 	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).
	Ds1	MULCH SECTION 163	 LINE CODE 	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.

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Ds2	TEMPORARY GRASSING SECTION 163	 LINE CODE 	THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON IS TO BE USED ON ALL PROJECTS.
	Fr	FILTER RING CONSTRUCTION DETAIL	 LINE CODE 	A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS. THIS REDUCES THE VELOCITY OF THE RUNOFF AND FILTERS SEDIMENT FROM THE RUNOFF. SEE CHAPTER 6 OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA FOR DESIGN CRITERIA AND DETAILS.
	Mb	EROSION CONTROL MATS CONSTRUCTION DETAIL SECTION 716	 PATTERN 	ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50' OF ALL CROSS DRAINS AND CULVERTS.
	Ps	PERMANENT SOIL REINFORCING MAT CONSTRUCTION DETAIL SECTION 710	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN DITCHES TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG TERM PROTECTION. (THIS IS CALLED "W1" IN MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.)

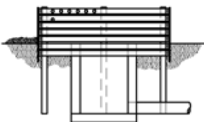
NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

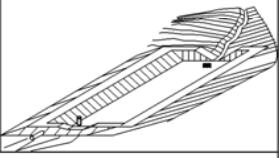
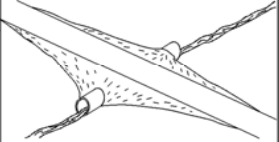
	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Rd	ROCK FILTER DAM CONSTRUCTION DETAIL SECTION 163, 603.		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP RAP AND ARE USED TO PROTECT SMALL STREAMS OR DRAINAGEWAYS. TO BE USED IN SMALL DRAINAGE CHANNELS OF 50 ACRES OR LESS. THE RIP RAP SHOULD BE PLACED ON A GEOTEXTILE UNDERLINER.
		LINE CODE 		
	Rp	RIPRAP SECTION 603		RIP RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND 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.
		PATTERN 		
	Rt-P	RETROFITTING CONSTRUCTION DETAIL 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 DISTRUBED AREA. THIS ITEM SHOULD BE DESIGNED ACCORDING TO CHAPTER 6 IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA"
		LINE CODE 		
	Rt-B	RETROFITTING CONSTRUCTION DETAIL SECTION 163		A SLOTTED BOARD DAM WITH STONE 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 100 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTRUBED AREA. THIS ITEM SHOULD BE DESIGNED ACCORDING TO CHAPTER 6 IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA"
		LINE CODE 		
	Sb-F	SILT RETENTION BARRIER FLOATING SECTION 170		A FLOATING BARRIER IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY FORCING IT TO DROP OUT OF SUSPENSION BEFORE IT MOVES OUT OF THE CONSTRUCTION AREA. IT IS USUALLY 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.
		LINE CODE 		THIS ITEM IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED BMP'S.

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Sb-S	SILT RETENTION BARRIER STAKED SECTION 170		A STAKED BARRIER IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY FORCING IT TO DROP OUT OF SUSPENSION BEFORE IT MOVES OUT OF THE CONSTRUCTION AREA. IT IS USUALLY USED WHERE CONSTRUCTION IS REQUIRED IN SHALLOW INUNDATED AREAS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. A STAKED BARRIER MAY BE USED TO PROTECT A SMALL STREAM WHILE IT IS BEING REALIGNED OR WIDENED IN "CH1". IN THIS CASE THE BARRIER SHOULD EXTEND TO THE BOTTOM OF THE STREAM. IT SHOULD BE LIMITED TO 5' IN HEIGHT UNLESS OTHERWISE DIRECTED. STAKED BARRIERS IN SMALL STREAMS SHOULD EXTEND 1' ABOVE NORMAL WATER. THIS ITEM IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED BMP'S.
		LINE CODE 		
	SdI-A	SILT FENCE TYPE A CONSTRUCTION DETAIL SECTION 171		USED ALONG THE TOE OF FILLS OVER 10' HIGH. ALONG THE RIGHT OF WAY LINE OR PARALLEL TO STREAMS. THE FENCE SHOULD NEVER RUN CONTINUOUS. IT SHOULD TURN BACK INTO THE FILL TO CREATE SMALL POCKETS TO TRAP SILT.
		LINE CODE 		
	SdI-B	SILT FENCE TYPE B CONSTRUCTION DETAIL SECTION 171		TYPE B MAY BE USED IN LIEU OF BALED STRAW AND AT THE TOE OF FILLS LESS THAN 10 FEET HIGH.
		LINE CODE 		
	SdI-C	SILT FENCE TYPE C CONSTRUCTION DETAIL SECTION 171		A WOVEN SYNTHETIC FIBER FABRIC PLACED IN FRONT OF A WIRE FENCE. IT CAN BE USED ALONG THE TOE OF THE FILL. ALONG THE RIGHT OF WAY LINE OR PARALLEL TO STREAMS. IT IS USED TO CAPTURE SEDIMENT FROM FILLS OVER 10 FEET HIGH AND UNDER ALL BRIDGES.
		LINE CODE 		

NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION. "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

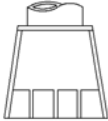
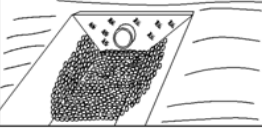
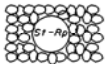
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA			
EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 4 OF 6			
REV. Sb-F, Sb-S, SdI-A, SdI-B AND SdI-C.	REVISED TITLE BLOCK	NO SCALE	JANUARY 2007
GLO	GLO	NUMBER EC-L4	DRAWING No. 52-4

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Sd1-Bb	BRUSH BARRIER CONSTRUCTION DETAIL		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES 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. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPERATE PAYMENT SHALL BE MADE.
		LINE CODE	* * * Sd1-Bb * * *	
	Sd1-Hb	SEDIMENT BARRIER CONSTRUCTION DETAIL SECTION 163		A BARRIER OF BALED STRAW IS USED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT IS USED IN DITCHES AS DITCH CHECKS OR ALONG THE TOE OF SLOPE OR RIGHT OF WAY IN FILLS LESS THAN 10 FEET HIGH. THE BALES SHOULD RUN PARALLEL TO THE SILT YIELDING AREA UNTIL THE TOP OF THE BALE IS 6 INCHES LOWER THAN THE GROUND ELEVATION OF THE BEGINNING BALE. THEY SHOULD THEN TURN INTO THE FILL WITH A LOW POINT FOR THE WATER TO DRAIN OVER THE BALE. IN DITCHES, BALED STRAW SHOULD BE PERPENDICULAR TO THE FLOW. USED FOR SLOPES LESS THAN 1%. USE 100' SPACING. BALED STRAW SHALL BE STAKED SECURELY TO THE GROUND.
		LINE CODE	—S—S—S— Sd1-Hb —S—S—S—	
	Sd2-B	BAFFLE BOX INLET SEDIMENT TRAP CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163		USED FOR INLETS RECEIVING RUNOFF WITH A HIGHER VOLUME OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING A Q=7cfs.
		LINE CODE	Sd2-B	
	Sd2-Bg	BLOCK & GRAVEL DROP INLET PROTECTION CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163		USED FOR INLET PROTECTION 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 A Q=5-7 cfs.
		LINE CODE	Sd2-Bg	
	Sd2-F	INLET SEDIMENT TRAP CONSTRUCTION DETAILS SECTION 163	 OR  OR 	(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 RECIEVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOWS THAT RANGE FROM Q=0-4 cfs.
		LINE CODE	Sd2-F	

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	Sd2-G	GRAVEL DROP INLET PROTECTION CONSTRUCTION DETAIL D42 SPECIFICATIONS SECTION 163		USED FOR INLET PROTECTION 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 A Q=3-5 cfs.
		LINE CODE	Sd2-G	
	Sd3	SEDIMENT BASIN CONSTRUCTION DETAIL SECTION 163		A BASIN EXCAVATED OR AN AREA THAT IS DAMMED. THE BASIN IS DESIGNED TO HOLD A SEDIMENT LOAD OF 67 CUBIC YARDS OF VOLUME PER ACRE OF DRAINAGE AREA. IT IS USED FOR DRAINAGE AREAS OF 3 TO 5 ACRES OR WHERE A ROADWAY CUTS OR FILLS EXCEEDS 1,000 FEET IN LENGTH. IF A SEDIMENT BASIN IS USED ON AN AREA LARGER THAN 5 ACRES SPECIAL CONSIDERATION FOR CLEAN OUT IS REQUIRED. SUFFICIENT RIGHT OF WAY OR PERMANENT EASEMENT NEEDED FOR THE BASIN AND ACCESS FOR CLEAN OUT VIA A ROUTE WITH 3:1 SLOPES OR LESS. SEDIMENT BASINS SHOULD ALSO BE CONSIDERED WHERE HIGH FILLS OVER 30 FEET DRAIN TO ONE LOCATION.
		LINE CODE	Sd3	
	Sg-1 Sg-2 Sg-3	SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163	 FRONT VIEW	A SILT CONTROL GATE IS A STRUCTURE PLACED ON A PIPE, SMALL BOX CULVERT, OR DROP INLET TO FORM A BASIN TO CATCH SILT AND PREVENT IT FROM LEAVING THE CONSTRUCTION SITE. IT IS EFFECTIVE ON SMALL DRAINAGE AREAS ONLY. DO NOT USE IN STATE WATERS. Sg-1-TYPE 1: USED ON BOX CULVERTS Sg-2-TYPE 2: USED ON STRAIGHT HEADWALLS Sg-3-TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
		LINE CODE	Sg-1 Sg-2 Sg-3	
	Sr	STREAM CROSSING SECTION 161		A TEMPORARY BRIDGE OR PIPE STRUCTURE PROTECTING A STREAM OR WATER COURSE FROM DAMAGE BY CONSTRUCTION EQUIPMENT. THIS AREA MUST BE COMPLETELY STABILIZED. THIS ITEM MUST BE DESIGNED ACCORDING TO CHAPTER 6 OF THE MANUAL FOR EROSION CONTROL IN GEORGIA
		LINE CODE	Sr	FOR CONTRACTOR'S USE ONLY

NOTE:
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION CONTROL MEASURES SEE THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION. "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

11-13-07	11-19-07	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REV. Sg-1, Sg-2 AND Sg-3	REVISED TITLE BLOCK	REVISION	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET SHEET 5 OF 6	
GLO	GLO	BY	NO SCALE	JANUARY 2007
NUMBER EC-L5			DRAWING No. 52-5	

	CODE	PRACTICE STD :SPC's :SECTION	DETAIL	DESCRIPTION
	St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332	 LINE CODE 	A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO PREVENT EROSION AND TO SLOW WATER. 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 IS 12 fps AND GREATER.
	St-Rp	STORM DRAIN OUTLET PROTECTION SECTION 603	 PATTERN 	THIS ITEM IS ADDED TO "St" WHEN ADDITIONAL PROTECTION IS NEEDED. TYPE 1 RIP RAP PLACED ON FILTER FABRIC SHOULD BE USED AT A 24" THICKNESS. MAY BE USED ON INLETS FOR FLOWING STREAMS. REFER TO CHARTS IN "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR QUANTITIY DETERMINATION.
	Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL SECTION 205	 LINE CODE  (LINE CODE Su IS SHOWN ON THE PLANS FOR SERRATED SLOPES WHERE SPECIFIED IN THE SOIL SURVEY.)	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 ITEM IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE USED ON THE PROJECT, THEN THIS ITEM SHALL BE SHOWN WHERE SERRATED SLOPES ARE TO BE USED.

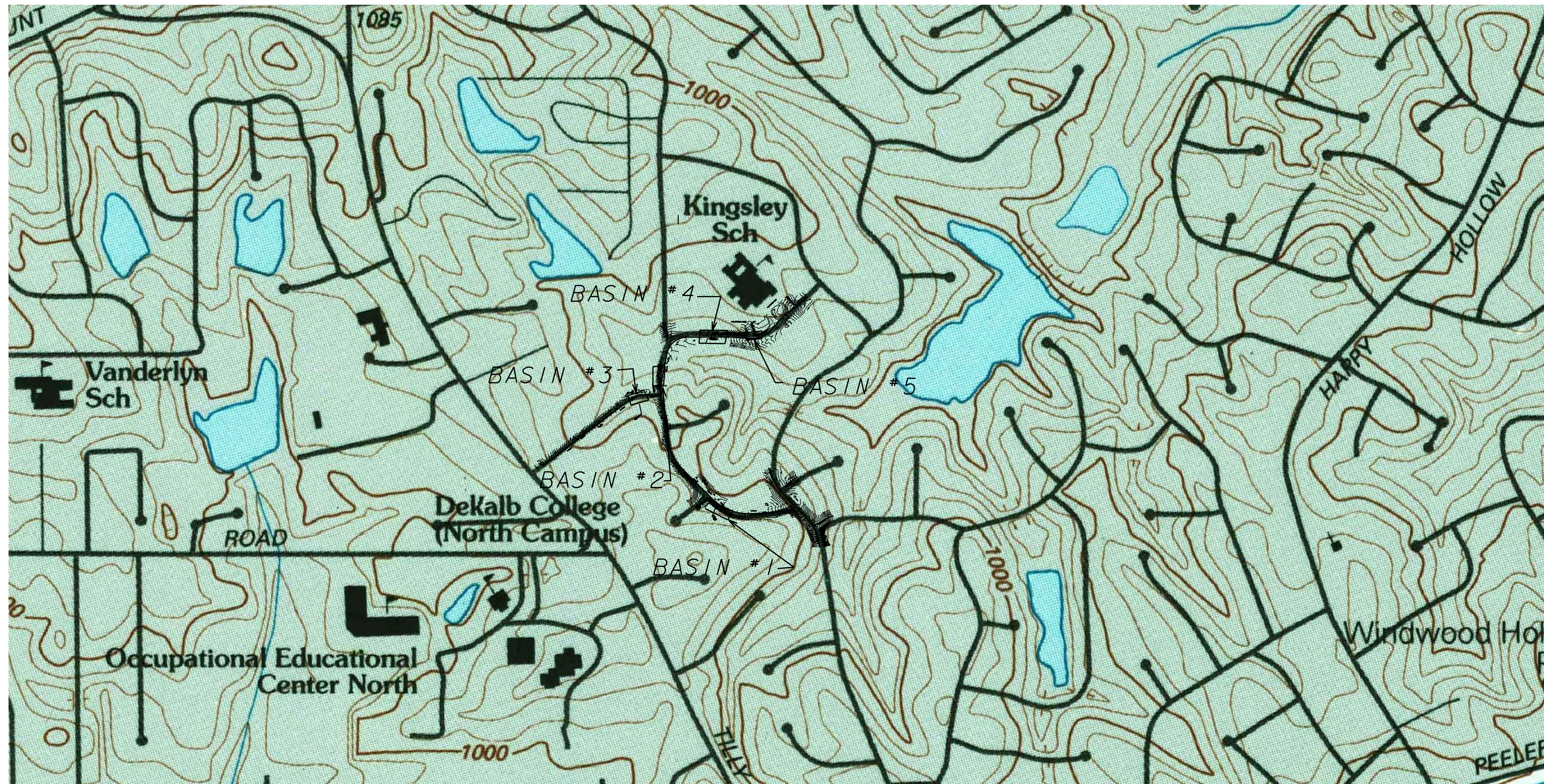
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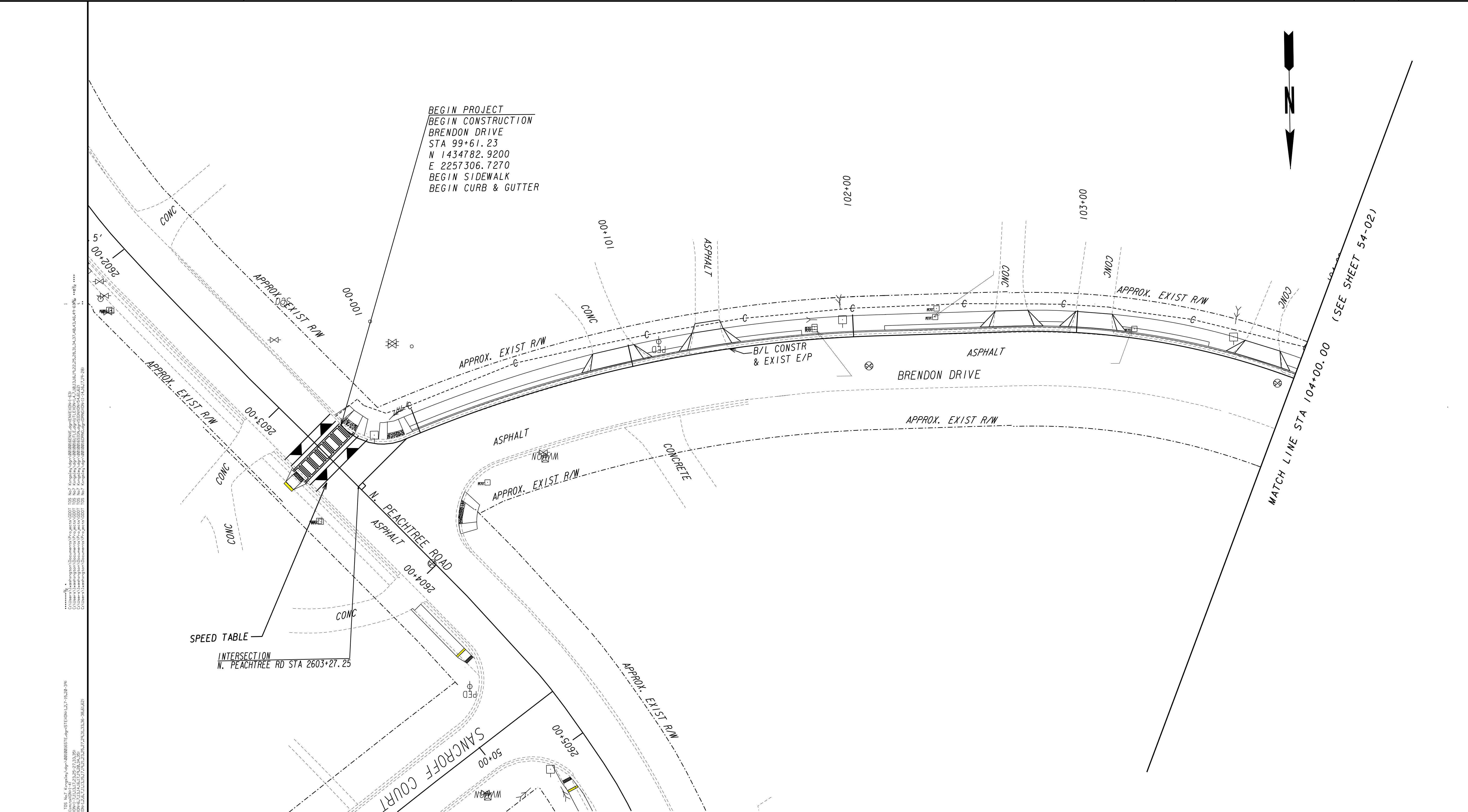
NOTE:
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DARTFORD DRIVE

	STR #	STA		AREA(AC)	Q25(CFS)
BASIN #1	A-1 (1034D)	105+45.59	ADJUST TO GRADE	0.20	1.29
BASIN #2	B-1 (1033D)	114+55.33	ADJUST TO GRADE	0.27	1.75
BASIN #4	D-1 (1034D)	119+00	ADJUST TO GRADE	0.15	1.06
BASIN #5	E-1 (1033D)	122+00	ADJUST TO GRADE	0.08	0.78

STR #		STA	AREA(AC)	Q25(CFS)
BASIN #3	C-1 (1034D)	17+23.24	ADJUST TO GRADE 0.40	2.70





1/5/2009
GPLN
C:\Users\LWashington\Documents\Projects\GDOT TOS No7 Kingsley\dgn\0010016E01.dgn(12,27-15,28-39)

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

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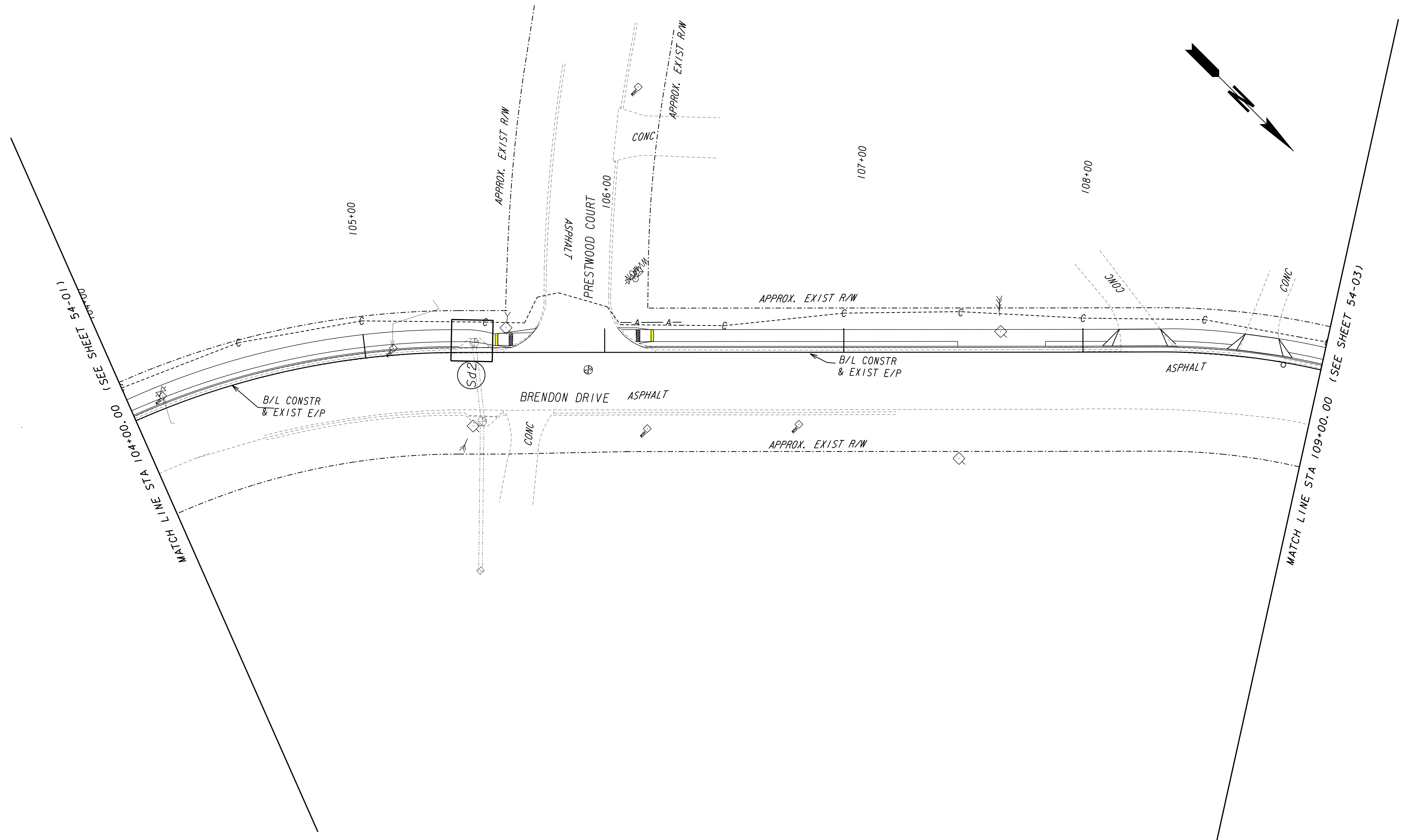
LCW Engineering
INCORPORATED
South DeKalb Business Park
4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231

SCALE IN FEET
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REVISION DATES		

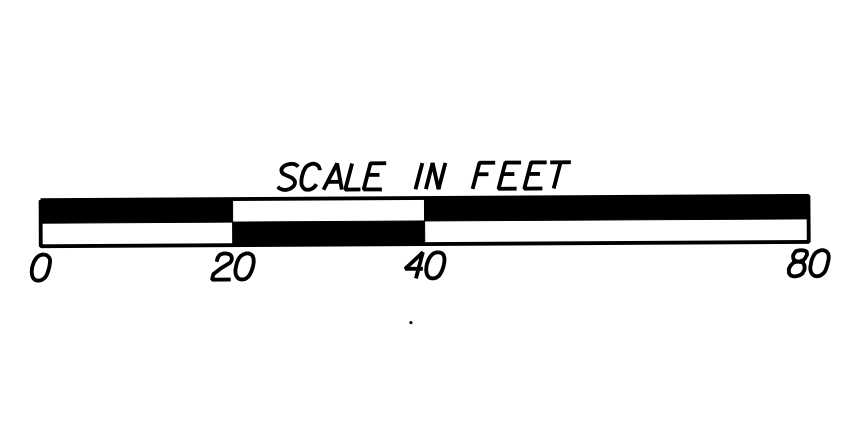
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
BMP LOCATION DETAILS
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
54-01

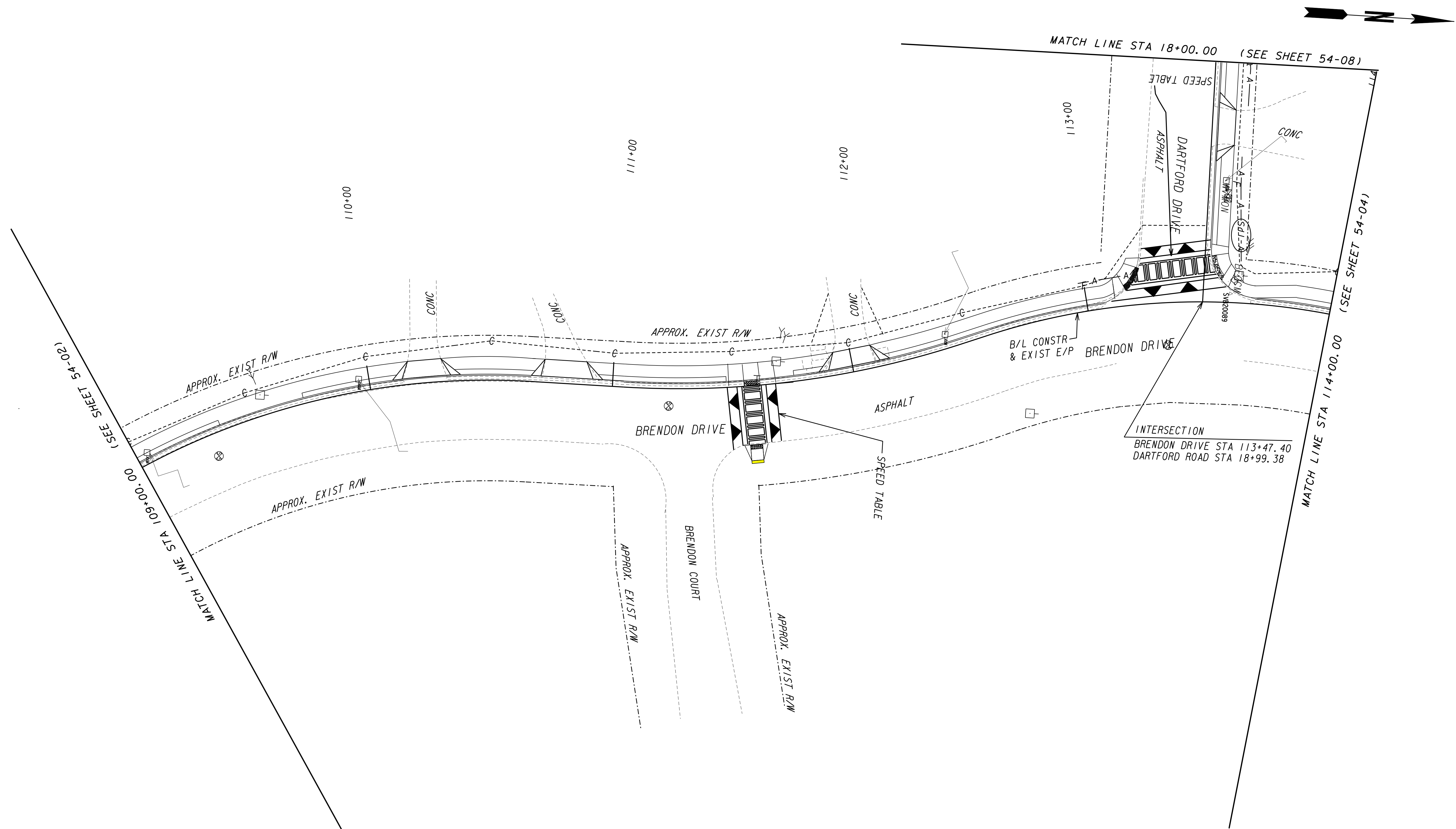


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& MAINTENANCE OF SLOPES		
EASEMENT FOR CONSTR OF SLOPES		
EASEMENT FOR CONSTR OF DRIVES		

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STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
OFFICE: PROGRAM DELIVERY	
BMP LOCATION DETAILS	
KINGSLEY CHARTER ELEMENTARY SCHOOL IN DUNWOODY - SRTS	DRAWING No. 54-02

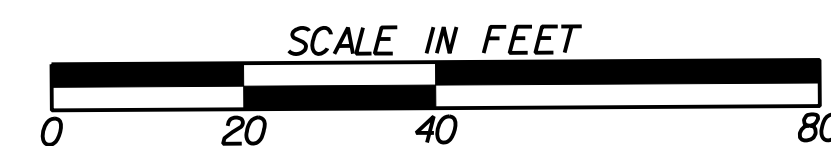


PROPERTY AND EXISTING R/W LINE -----P-----
 REQUIRED R/W LINE -----
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 EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

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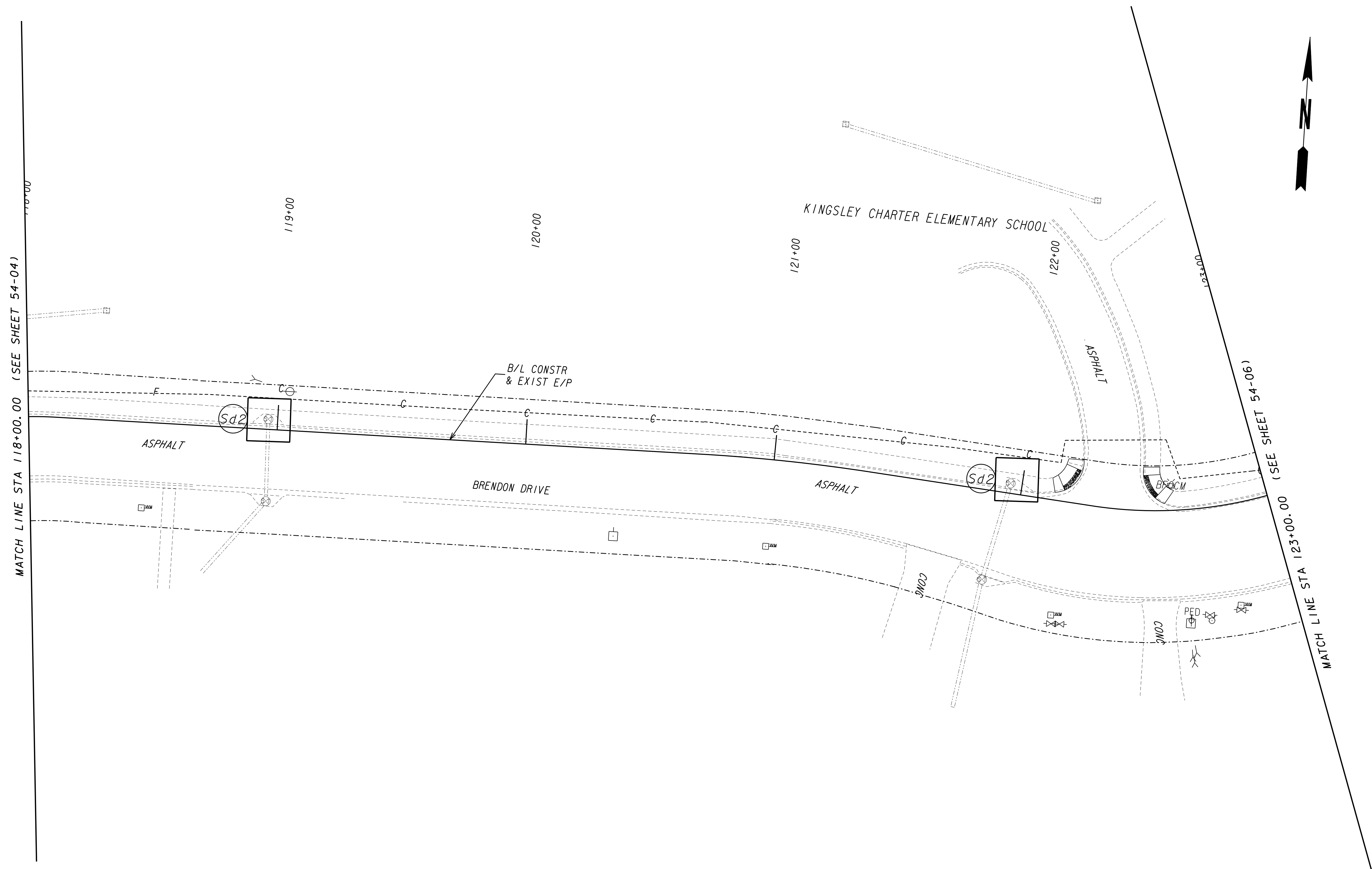


REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			BMP LOCATION DETAILS	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 54-03	



MATCH LINE STA 118+00.00 (SEE SHEET 54-05)

REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
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			KINGSLEY CHARTER ELEMENTARY	
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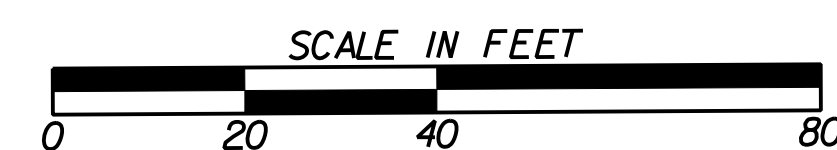


PROPERTY AND EXISTING R/W LINE -----P-----
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 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
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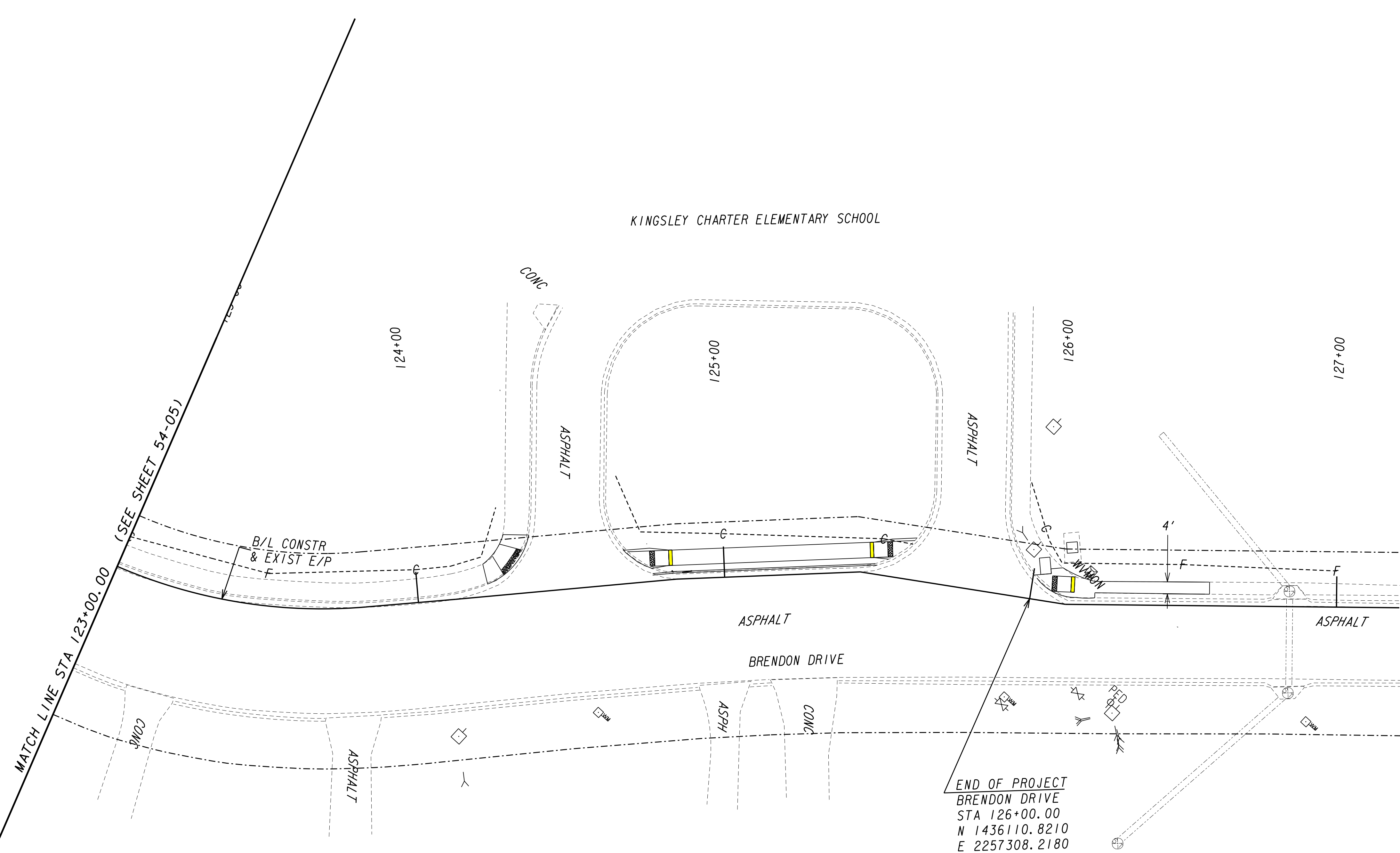
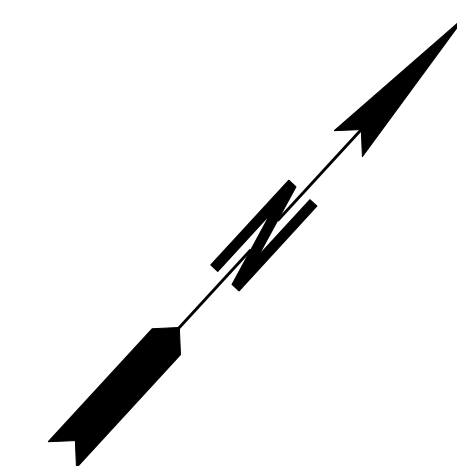
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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS               —○○○—○○○—
REQ'D R/W & LIMIT OF ACCESS —|||—|||—

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REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			BMP LOCATION DETAILS	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 54-05	



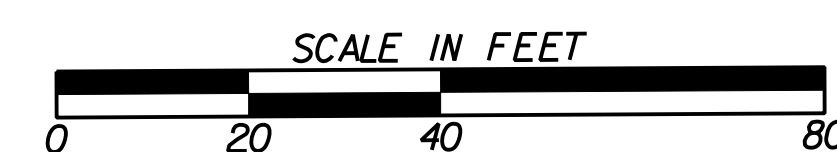
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PROPERTY AND EXISTING R/W LINE -----P-----
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 CONSTRUCTION LIMITS -----C-----F-----
 EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

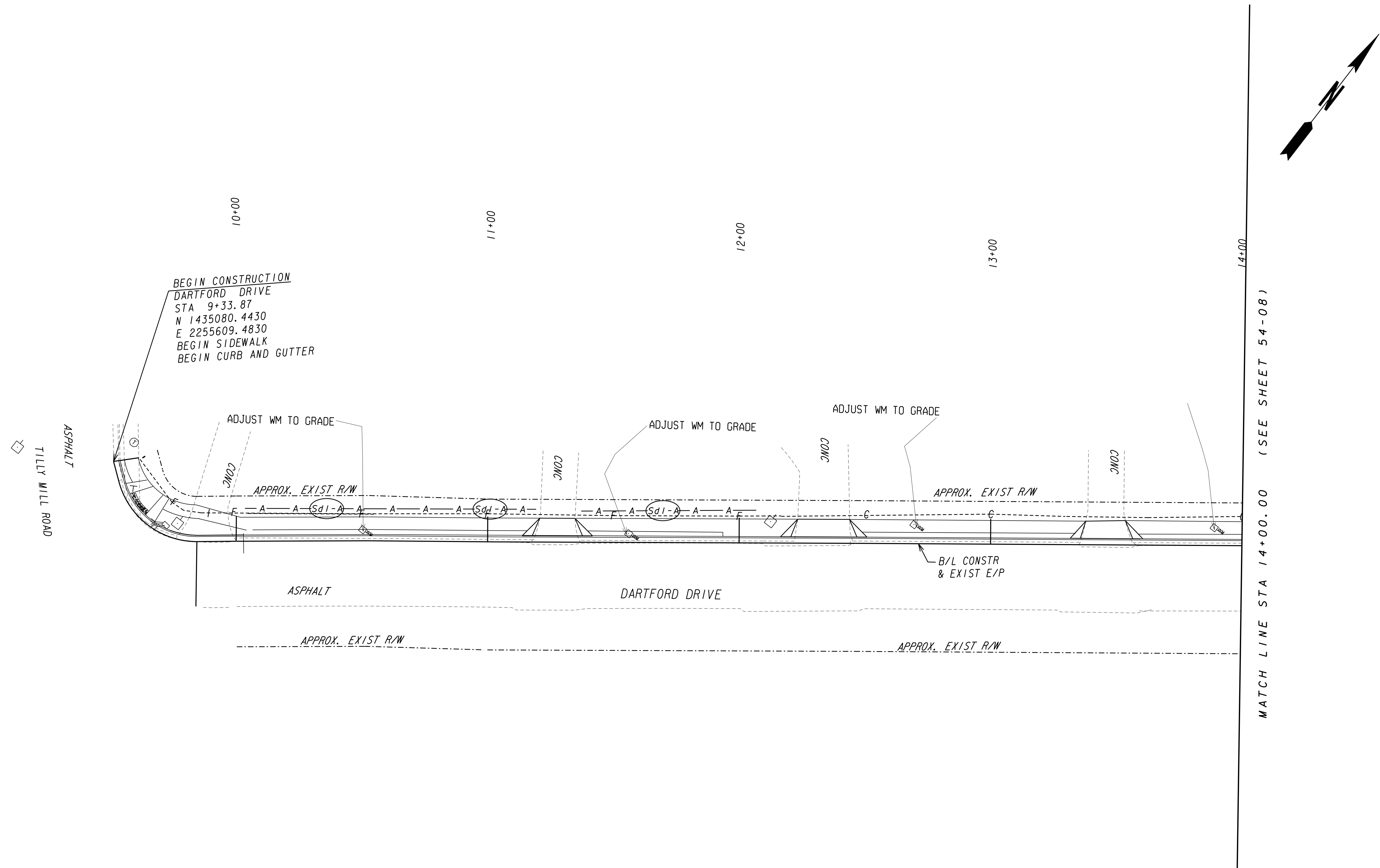
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REQ'D R/W & LIMIT OF ACCESS —|||—|||—

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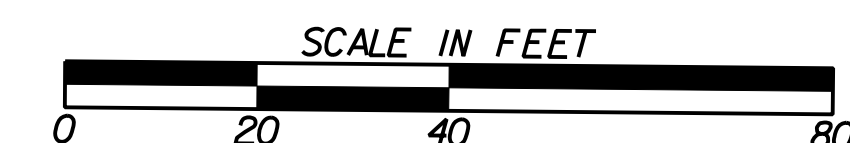
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STATE OF GEORGIA	
DEPARTMENT OF TRANSPORTATION	
OFFICE: PROGRAM DELIVERY	
BMP LOCATION DETAILS	
KINGSLEY CHARTER ELEMENTARY SCHOOL IN DUNWOODY - SRTS	DRAWING NO. 54-0

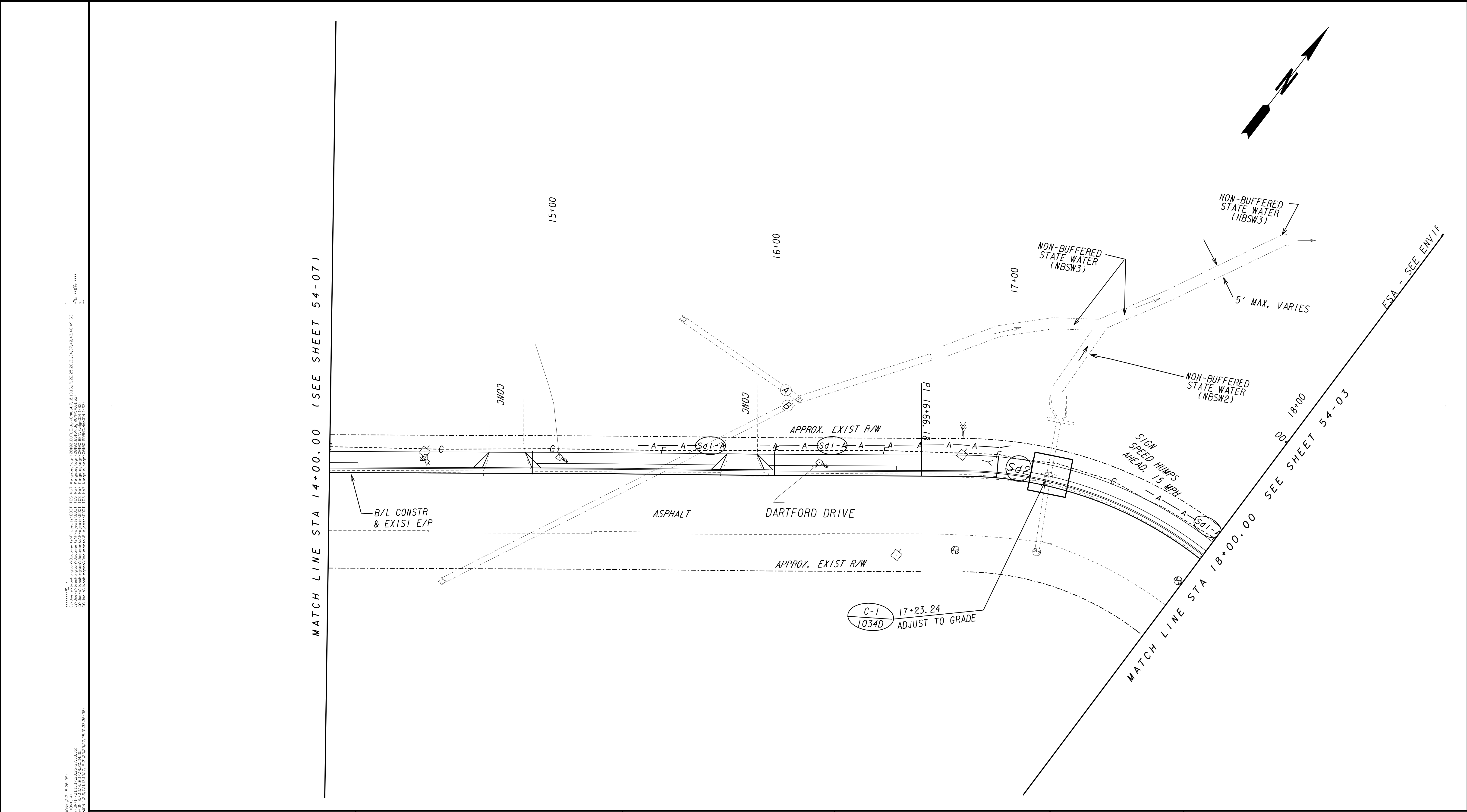


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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LIMIT OF ACCESS               —ooo—ooo—
REQ'D R/W & LIMIT OF ACCESS —||—||—
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REVISION DATES			STATE OF GEORGIA	
			DEPARTMENT OF TRANSPORTATION	
			OFFICE: PROGRAM DELIVERY	
			BMP LOCATION DETAILS	
			KINGSLEY CHARTER ELEMENTARY	
			SCHOOL IN DUNWOODY - SRTS	
			DRAWING No. 54-07	



1/5/2009
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

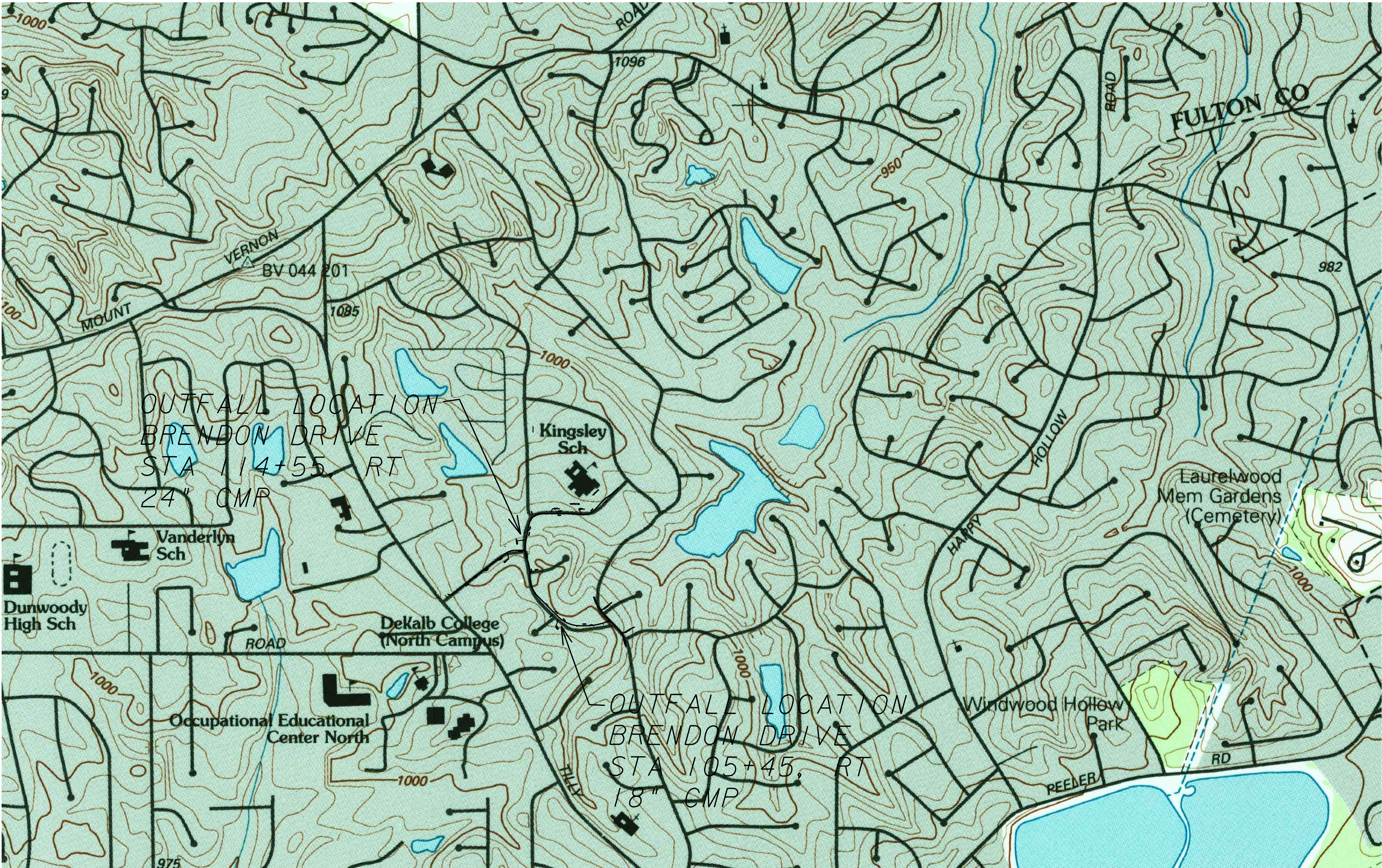
LCW Engineering
INCORPORATED
South DeKalb Business Park
4260 Clausell Court, Suite 103
Decatur, Georgia 30035
404.917.1231

SCALE IN FEET
0 20 40 80

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
BMP LOCATION DETAILS
KINGSLEY CHARTER ELEMENTARY
SCHOOL IN DUNWOODY - SRTS

DRAWING No.
54-08



WATERSHED MAP / SITE MONITORING LOCATIONS