

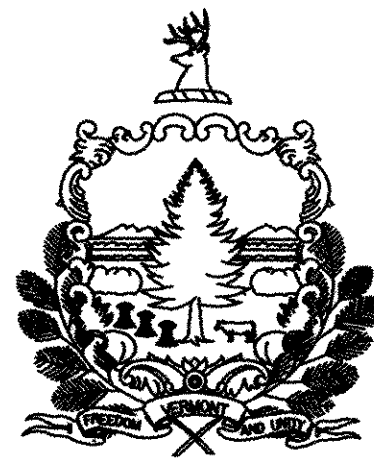
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STATE OF VERMONT AGENCY OF TRANSPORTATION

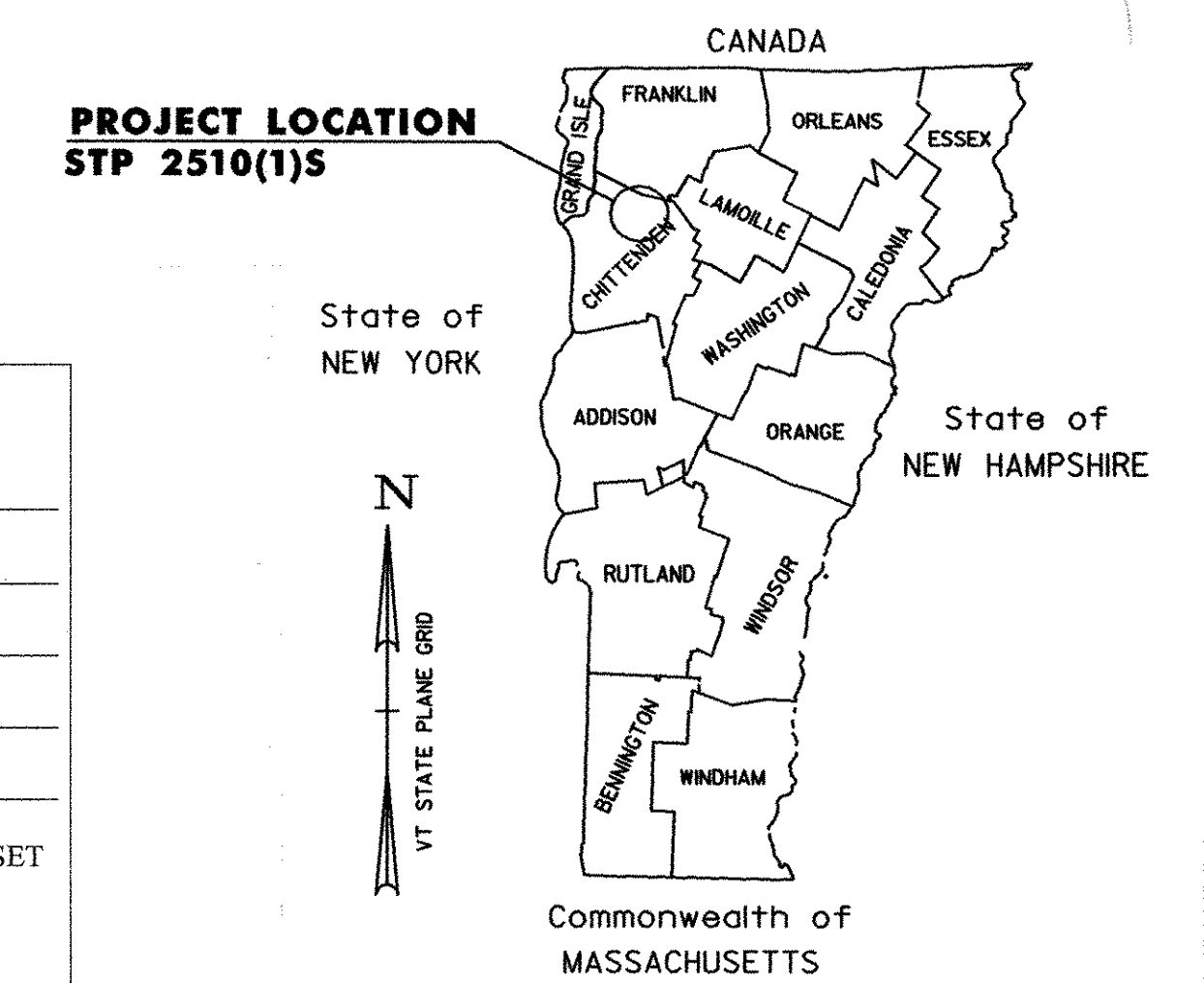
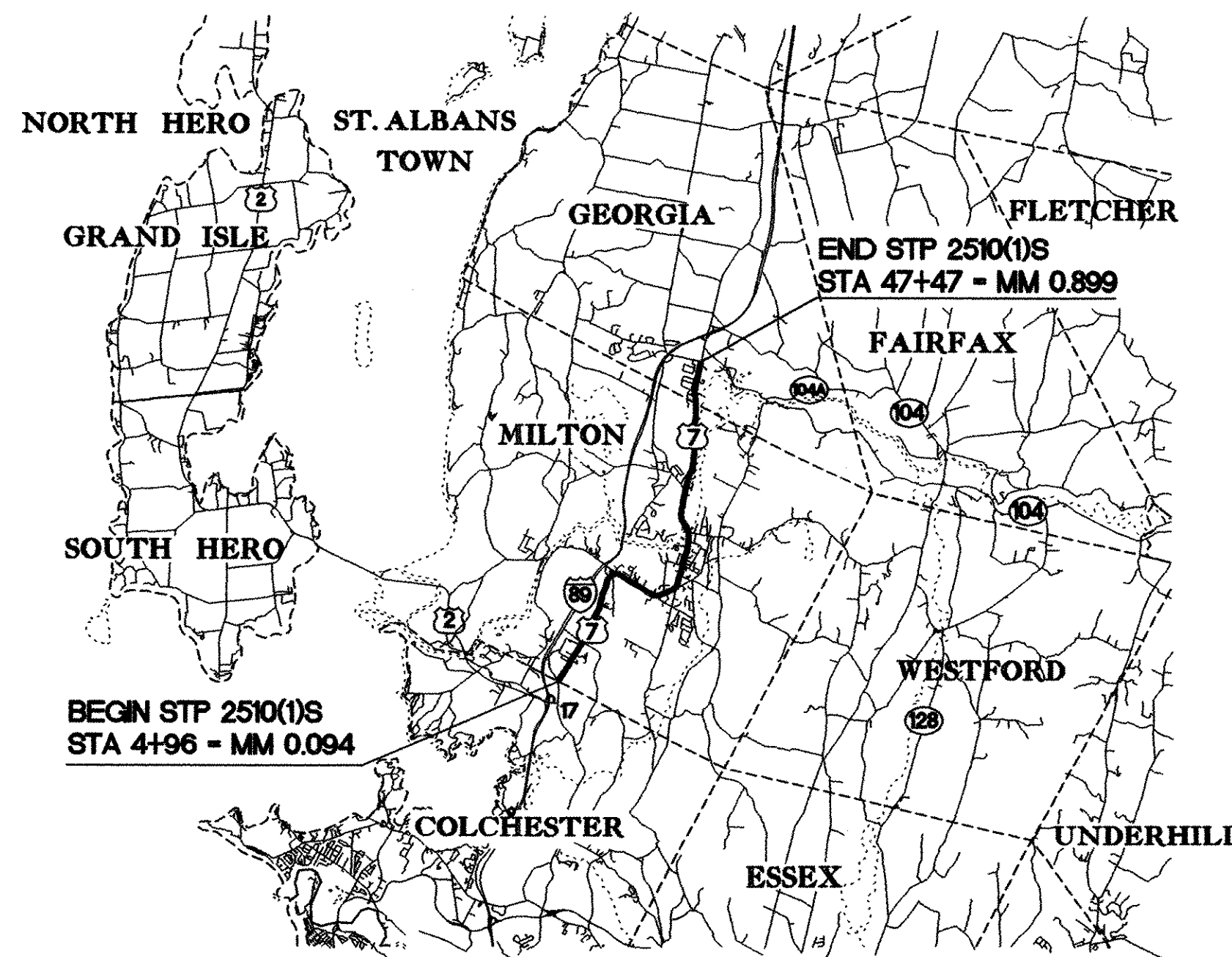


PROPOSED IMPROVEMENTS TOWNS OF MILTON AND GEORGIA COUNTIES OF CHITTENDEN and FRANKLIN US ROUTE 7

BEGINNING AT STATION 4+96 (MM 0.094) OF US ROUTE 7 IN THE TOWN OF MILTON AND EXTENDING NORTHERLY ALONG US ROUTE 7 THROUGH THE TOWN OF MILTON AND INTO THE TOWN OF GEORGIA FOR A DISTANCE OF APPROXIMATELY 45,593 FEET (8.635 MILES) TO THE END OF THE PROJECT AT STATION 47+47 (M.M. 0.899) IN THE TOWN OF GEORGIA.

STATION TO STATION DATA	LENGTH	
	(FEET)	(MILES)
TOWN OF MILTON STA 4+96 TO STA 413+42 (MM 0.094 TO MM 7.830)	40,846	7.736
TOWN OF GEORGIA STA 0+00 TO STA 47+47 (MM 0.000 TO MM 0.899)	4,747	0.899
PROJECT TOTALS	45,593	8.635

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RESURFACING OF THE EXISTING HIGHWAY WITH COLD PLANING & OVERLAY SECTIONS (LEVELING AND WEARING COURSE), NEW PAVEMENT MARKINGS, GUARD RAIL INSTALLATION, DRAINAGE IMPROVEMENTS AND INCIDENTAL ITEMS.



RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN, VT

RESIDENT ENGINEER: DELVIN WARNER

CONSTRUCTION BEGAN: AUGUST 6, 2007

CONSTRUCTION COMPLETE: JULY 25, 2008

RECORD PLANS BY: DELVIN WARNER & C. PIERCE

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

By *Delvin Warner* RESIDENT ENGINEER

DATE 04/30/09

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

TRAFFIC DATA

	ADT		DHV		ESAL'S (2007-2017)	ESAL'S (2007-2027)
	2007	2017	2007	2017		
BEGINNING OF PROJECT TO MAYO ROAD (MM 0.190)	10,700	11,400	1,200	1,300	1,283,000	2,967,000
MAYO ROAD (MM 2.61) TO CHERRY STREET (MM 3.83)	13,200	14,100	1,500	1,600	1,610,000	3,846,000
CHERRY STREET (MM 3.83) TO LAKE ROAD (MM 4.84)	8,500	9,000	950	1,000	1,032,000	2,452,000
LAKE ROAD (MM 4.84) TO SANDY BIRCH ROAD (MM 0.83)	4,800	5,500	540	620	838,000	2,006,000
SANDY BIRCH ROAD (MM 0.83) TO END OF PROJECT	7,900	9,000	880	1,000	1,375,000	3,280,000

MILTON - GEORGIA US ROUTE 7, MM 0.094 TO MM 0.899

BITUMINOUS CONCRETE PAVEMENT
SUPERPAVE MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESAL	1,923,000
DESIGN NUMBER OF GYRATIONS	75
PERFORMANCE GRADED ASPHALT BINDER	PG 58-34

CONVENTIONAL SIGNS

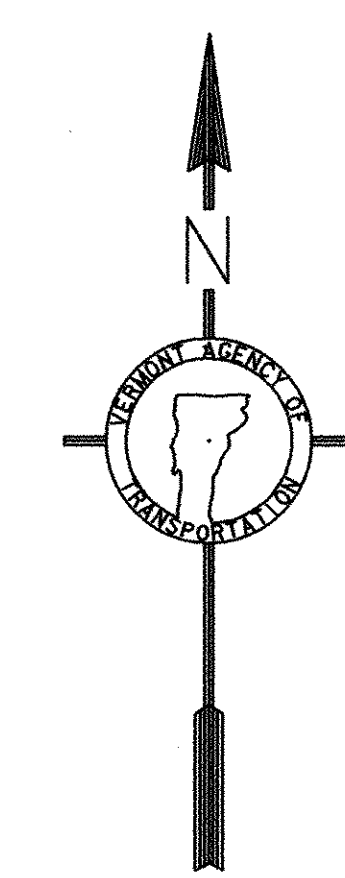
- COUNTY LINE
- TOWN LINE
- LIMITS OF ACCESS
- POINT OF ACCESS
- FENCE LINE
- STONE WALL
- TRAVELED WAY
- GUARD RAIL
- RAILROAD
- SURVEY LINE
- CULVERT
- POWER POLE
- TELEPHONE POLE
- TREES
- CONTROL OF ACCESS
- PROPERTY LINE
- R.O.W. TAKING LINE
- SLOPE RIGHTS
- TOP OF CUT
- TOE OF SLOPE

DATUM

VERTICAL	N/A
HORIZONTAL	N/A

BY:

CIVIL ENGINEERING ASSOCIATES, INC.
P.O. BOX 486 SHELBURNE, VT 05482
802-985-2323 FAX: 802-985-2271 www.caa-vt.com



RIGHT-OF-WAY LIMITS, IF APPLICABLE, ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE STATE AND ITS CONTRACTOR DURING THE COURSE OF THIS PAVING PROJECT. ANY REFERENCES TO OFFSETS ON THESE PLANS ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON FOR ANY OTHER PURPOSES.

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN "NOT TO SCALE".

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

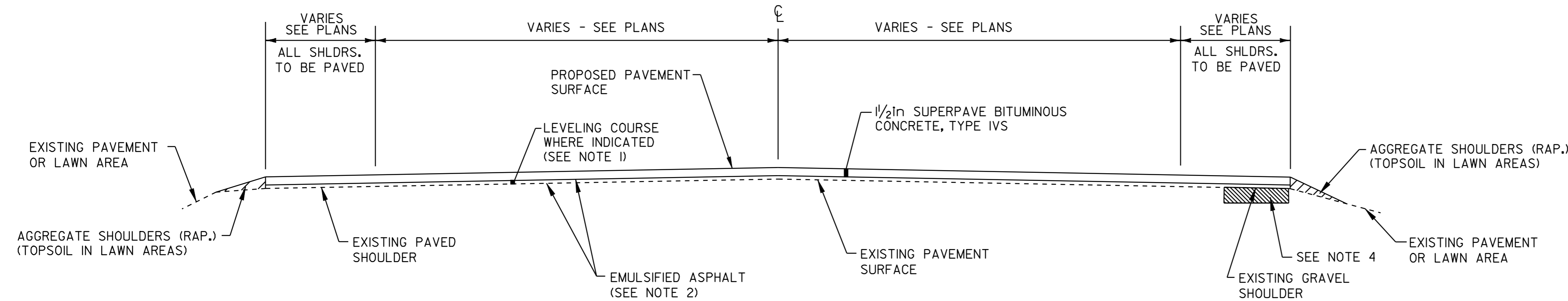
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT	
APPROVED <i>Delvin Warner</i>	DATE <u>4-4-07</u>
PROJECT MANAGER : WOOLLAVER	
PROJECT NAME : MILTON - GEORGIA	
PROJECT NUMBER : STP 2510(1)S	
SHEET 1 OF 44 SHEETS	

NOTES

- THE PAVEMENT WEARING COURSE SHALL BE TYPE IVS.
THE LEVELING COURSE SHALL BE TYPE IVS UNLESS OTHERWISE SHOWN IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER. LEVELING HAS BEEN INCLUDED TO RESHAPE THE ROADWAY PRIOR TO PAVING THE TOP COURSE ALONG THE OVERLAY AND COLD PLANE TYPICAL SECTIONS. AN ESTIMATED THICKNESS OF 1/2in. OF ITEM 490.30 HAS BEEN INCLUDED TO COVER THIS PROVISION.

ALL ASPHALT CEMENT USED IN THE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-34.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANNED SURFACES AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4in (TOTAL THICKNESS EXCLUDING LEVELING).
- EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER WILL BE EXCAVATED TO A DEPTH OF 3 in +/- OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS SUCH AS ALL PURPOSE EXCAVATOR RENTAL, GRADER RENTAL, LOADER RENTAL, TRUCK RENTAL, AND POWER BROOM RENTAL. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL, FINE GRADED OR AGGREGATE SHOULDERS, RAP.
- THREE FEET OF BACKING IS REQUIRED BEHIND THE FACE OF GUARD RAIL WITH 6 ft POSTS. IF THIS CANNOT BE OBTAINED THEN 8ft POSTS SHALL BE USED. ALL GUARDRAIL SHALL BE STEEL BEAM WITH STEEL POSTS AND WOOD BLOCKOUTS (OR APPROVED ALTERNATIVE MATERIAL). NEW GUARDRAIL SHALL BE INSTALLED IN COMPLIANCE WITH STANDARD G-1.
- COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN/END AND AT ALL SIDE ROAD APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- ITEMS 604.40, 604.412, 604.42, & 629.20 ARE ESTIMATED QUANTITIES AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY THE RESIDENT ENGINEER. ALL D.I.'S, MANHOLES, AND WATER VALVES SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW FINISH GRADE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
- ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.13, AGGREGATE SHOULDERS, RAP.
- ALL DRIVES SHALL RECEIVE A PAVED APRON OF 4 FEET OR TO THE SIDEWALK, AS DIRECTED BY THE RESIDENT ENGINEER. ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 210.10 OR THE APPLICABLE RENTAL ITEM(S). IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, FINE GRADED. A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 490.30. ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
- AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARD RAIL END SECTIONS WHICH SHALL BE CAPPED WITH AN ESTIMATED 3" DEPTH OF AGGREGATE SHOULDERS, RAP, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 25 CUBIC YARDS OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDERS, RAP FOR EACH GUARD RAIL TERMINAL.
- ITEM 616.47, BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHERE SPECIFIED IN THE PLANS. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS DRIVE AND SIDE ROAD APPROACHES AND AROUND DRAINAGE/UTILITY STRUCTURES), SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34).
- COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, FINE GRADED, ITEM 402.13, AGGREGATE SHOULDERS, RAP, AND ITEM 651.35, TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT PRICE OF EACH ITEM.
- SIDEWALK RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME DETECTABLE WARNING PLATES MANUFACTURED BY NEENAH FOUNDRY OR ANOTHER EQUAL CAST IRON PRODUCT FROM THE AGENCY'S APPROVED PRODUCTS LIST.
- THE SUBBASE OF CRUSHED GRAVEL (FINE GRADED) USED FOR SHOULDER AND SIDEWALK CONSTRUCTION SHALL BE COMPACTED TO THE SATISFACTION OF THE RESIDENT ENGINEER.



OVERLAY TYPICAL SECTION

MILTON

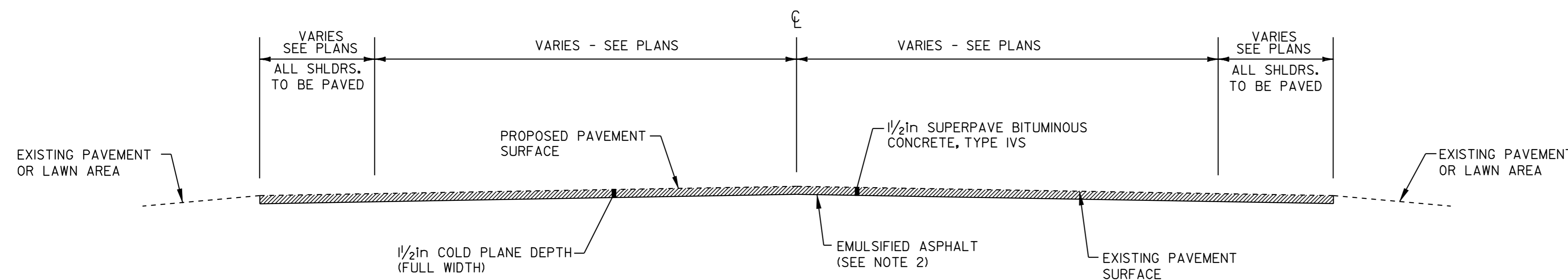
STA 4+96 TO 75+50 (WITH LEVELING)

STA 75+50 TO 208+50 (w/o LEVELING)

STA 278+25 TO 413+42 (w/o LEVELING)

GEORGIA

STA 0+00 TO 47+47 (w/o LEVELING)



COLD PLANED TYPICAL SECTION

MILTON

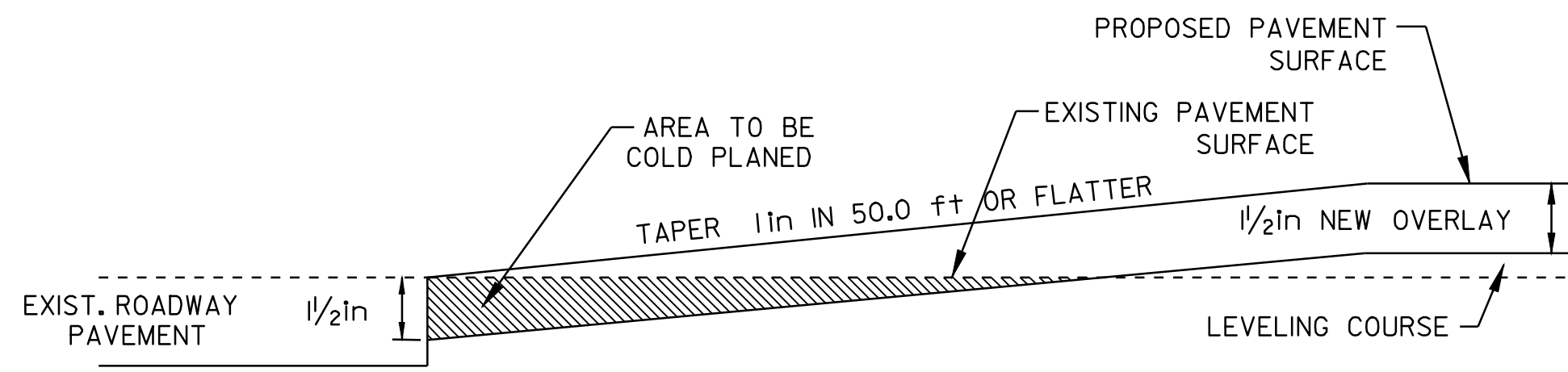
STA 208+50 TO 278+25

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING Tons	NOTES
MILTON - US ROUTE 7	4+96	75+50	VARIES-VARIES-VARIES-VARIES	1/2in	890	LEVEL & PAVE W/1/2in TYPE IVS
	75+50	208+50	VARIES-VARIES-VARIES-VARIES	1/2in	--	PAVE W/1/2in TYPE IVS
	208+50	278+25	VARIES-VARIES-VARIES-VARIES	1/2in	--	COLD PLANE 1/2in, PAVE W/1/2in TYPE IVS
	278+25	413+42	VARIES-VARIES-VARIES-VARIES	1/2in	--	PAVE W/1/2in TYPE IVS
GEORGIA - US ROUTE 7	0+00	47+47	3ft - 11ft - 11ft - 3ft	1/2in	--	PAVE W/1/2in TYPE IVS

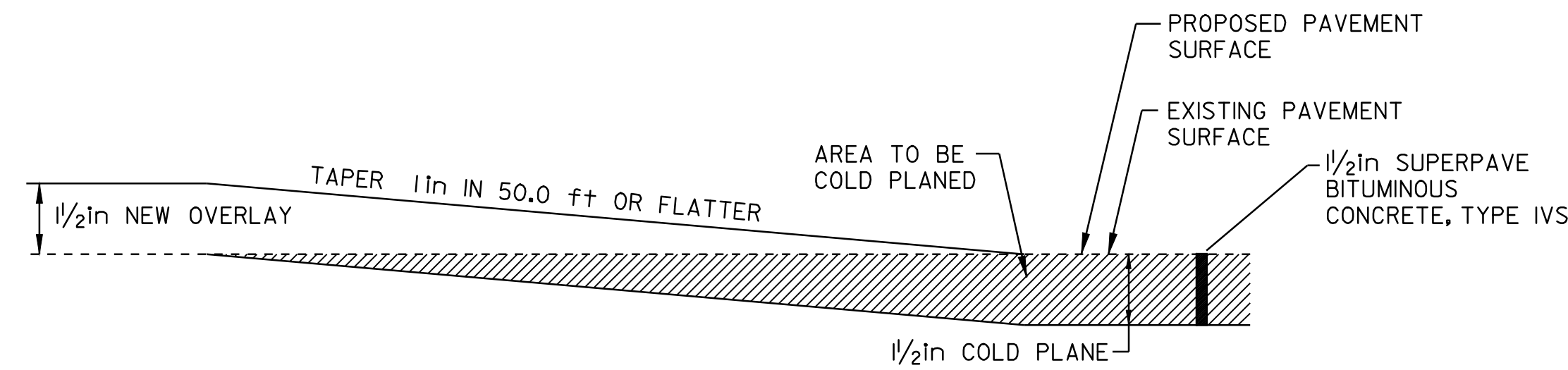
PROJECT
TYPICAL
SHEET #1

DESIGNED BY BCE/PJM DATE 8-06
 DRAWN BY C.E.A., INC. DATE 8-06
 DESIGN FILE NO. 05c158.dgn
 PRF FILE 05c158+yp1.i DATE 19-MAY-2009
 PROJ. NAME **MILTON - GEORGIA**
 PROJ. NO. **STP 2510(1)S**
 SHEET **2** OF **44** SHEETS



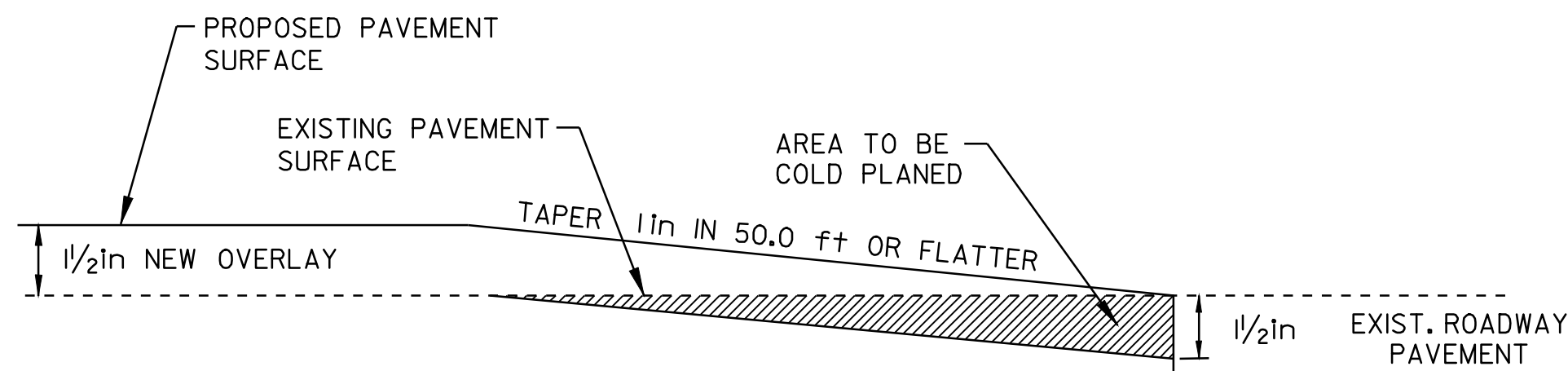
- APPROACH AREA DETAIL -

MILTON
STA 4+96 TO 5+71 (BEGIN PROJECT)



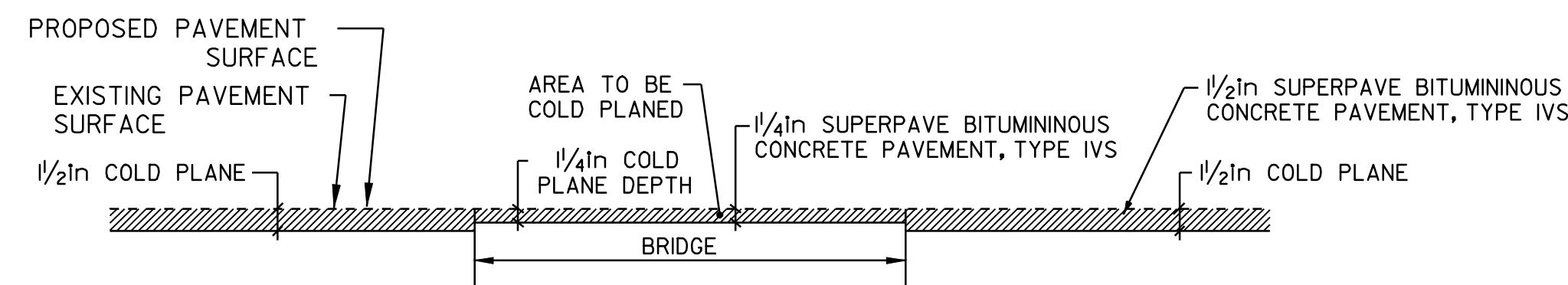
- TRANSITION AREA DETAIL -

MILTON
STA 207+75 TO 208+50 (END OVERLAY/BEGIN COLD PLANE)
STA 278+25 TO 279+00 (END COLD PLANE/BEGIN OVERLAY)



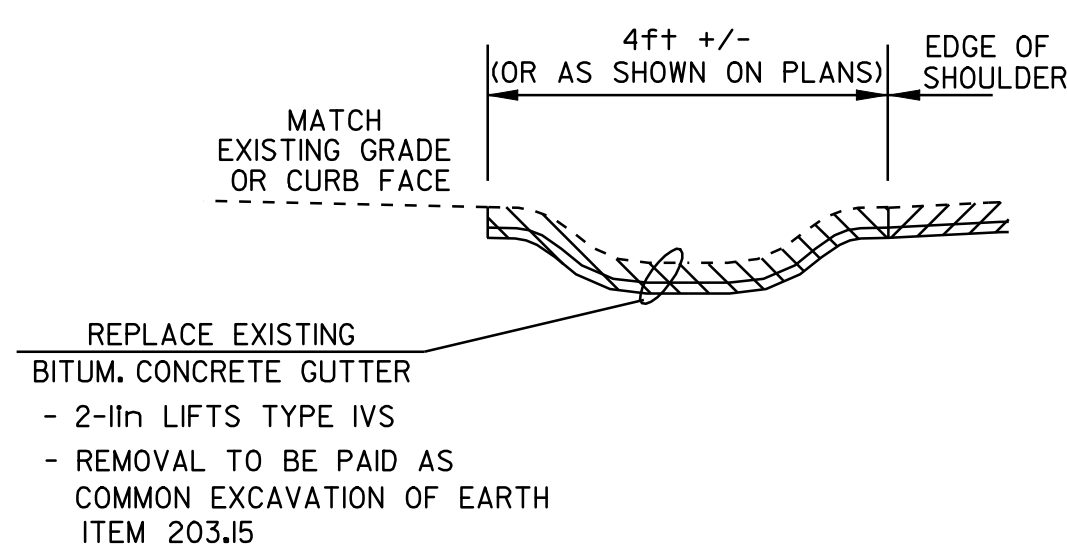
- APPROACH AREA DETAIL -

GEORGIA
STA 46+72 TO 47+47 (END PROJECT)



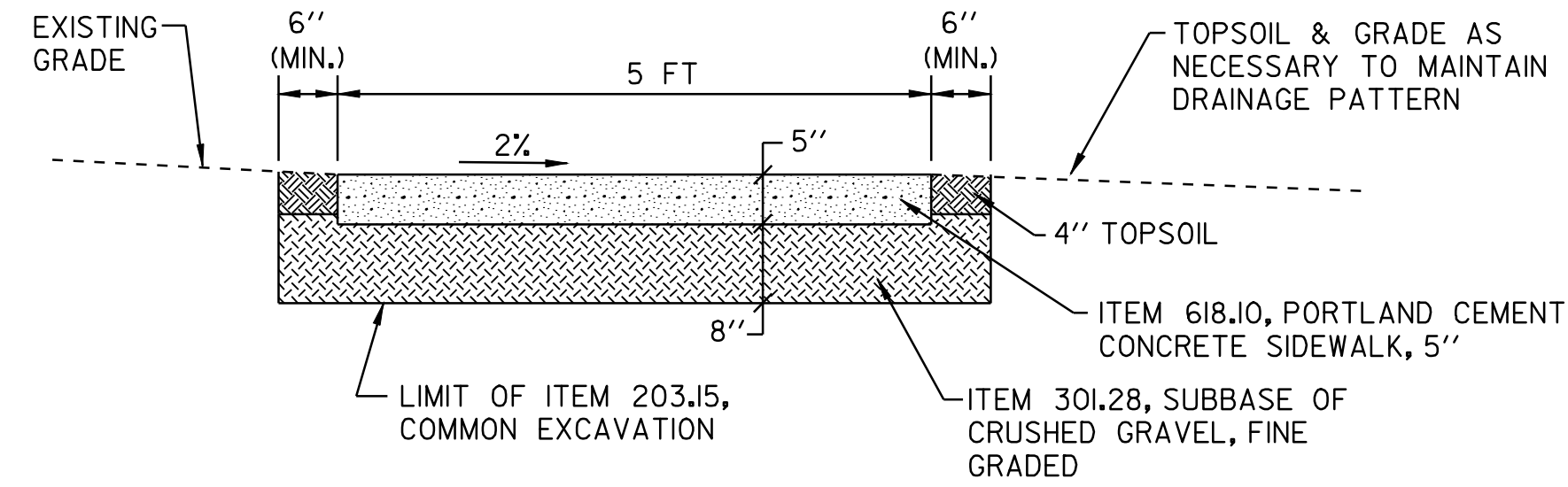
- COLD PLANING DETAIL @ BRIDGE -

MILTON
BRIDGE #162 - STA 269+55



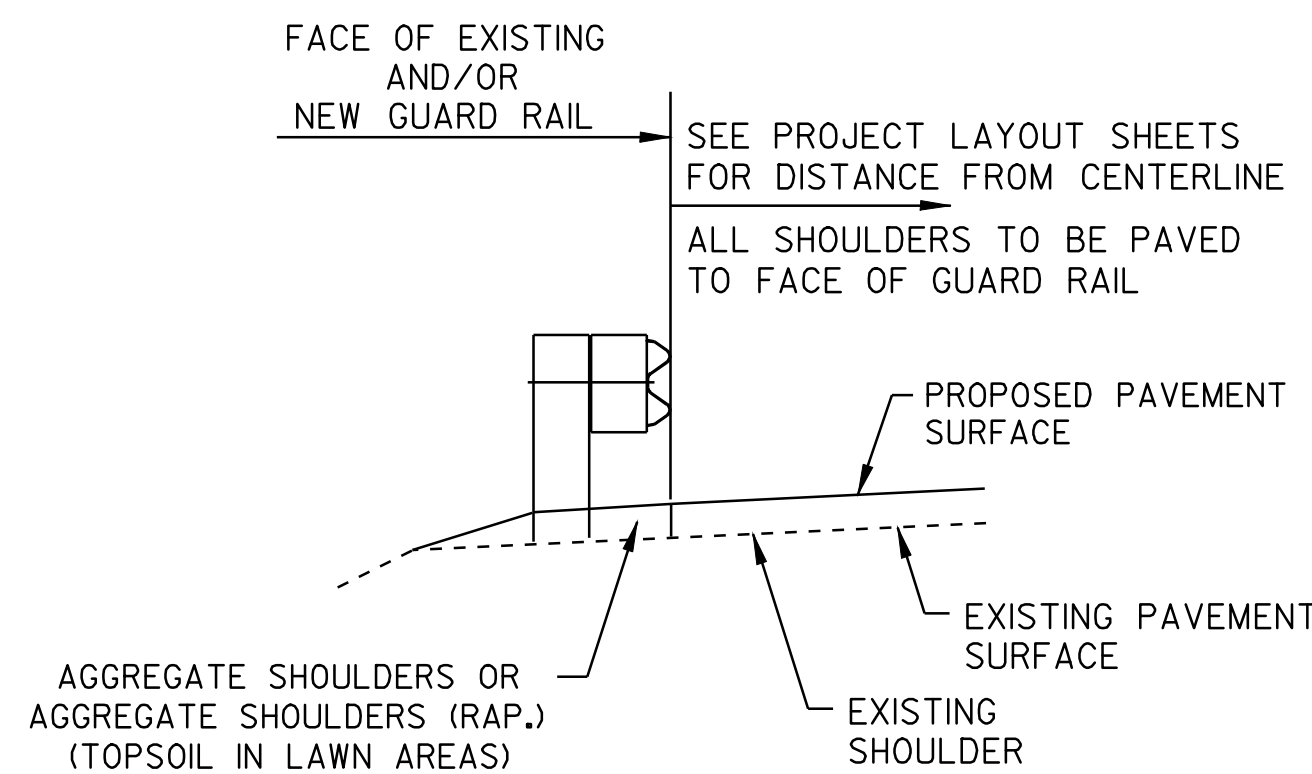
BITUMINOUS CONCRETE GUTTER DETAIL

MILTON
STA 220+38 TO 241+00 RT
STA 235+75 TO 239+75 LT
STA 244+55 TO 250+50 RT
STA 257+75 TO 263+80 RT
STA 257+80 TO 260+90 LT



NEW CONCRETE SIDEWALK

MILTON
STA 194+15 TO 195+45 RT



- TYPICAL SECTION AT GUARD RAIL -

CONSERVATION SEED MIX
RURAL AREA - SEED MIXTURE

% WT.	lbs./ACRE	NAME	PUR%	GERM%
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3	RED TOP	95	90
15.0	9	BIRDSFOOT TREFLOIL	98	85
5.0	3	ANNUAL RYEGRASS	95	85
100.0	60			

SEED MIXTURE:
SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

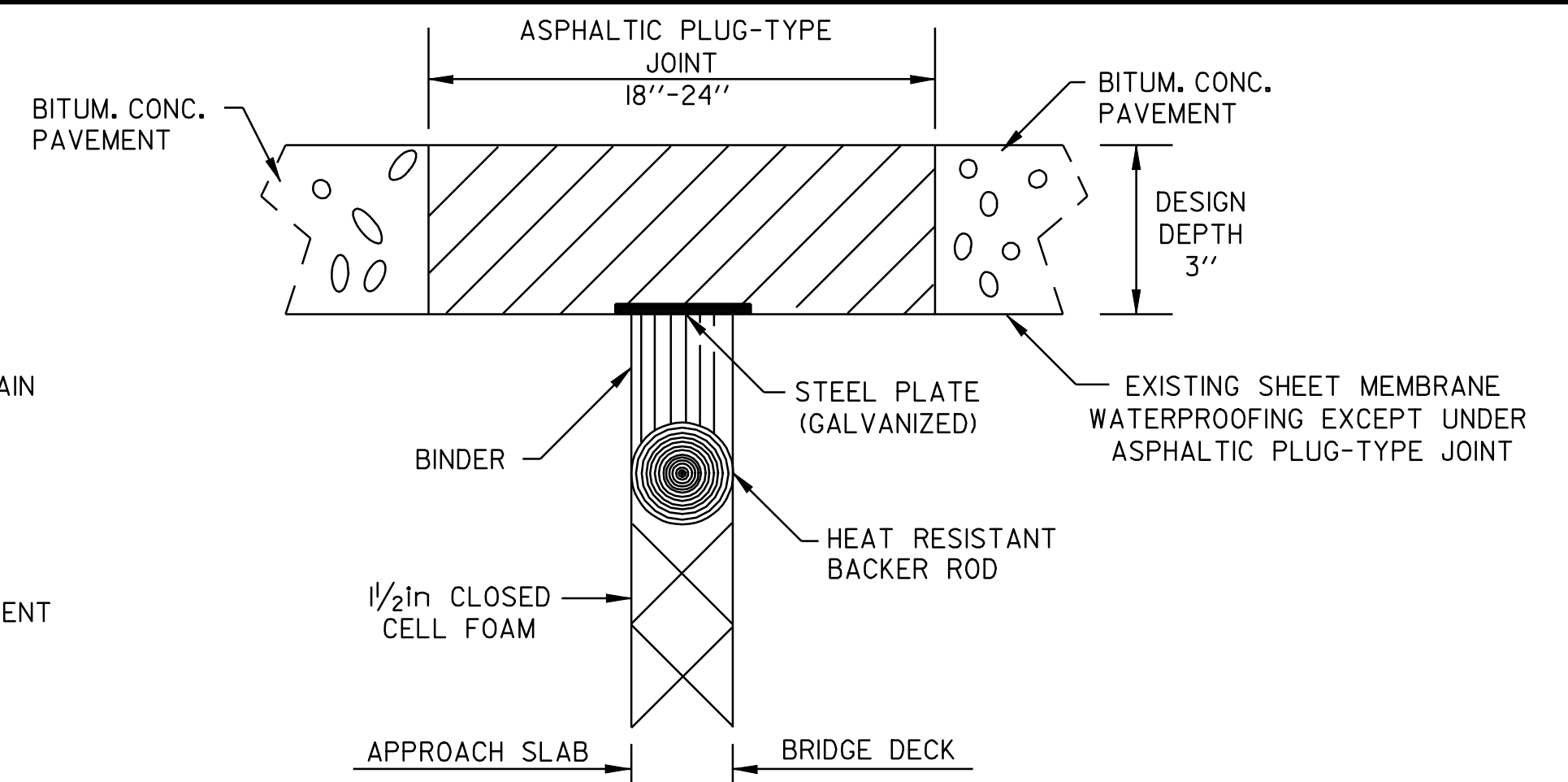
SEED:
TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER:
FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 lbs/ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE:
TO BE APPLIED AT THE RATE OF 2.0 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH:
TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2.0 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL:
TO BE USED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.



* REFER TO SPECIAL PROVISIONS FOR BASIS OF PAYMENT

- ASPHALTIC PLUG TYPE JOINT DETAIL -

LOCATION
MILTON

BRIDGE #162 (33ft+) - STA 267+78
BRIDGE #162 (33ft+) - STA 271+32

- ASPHALTIC PLUG BRIDGE JOINT -
GENERAL NOTES

INSTALLATION:

1. THE JOINT SHALL BE LOCATED CENTRALLY OVER THE DECK EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURERS RECOMMENDED WIDTH.
2. THE JOINT SHALL BE EXCAVATED AS SHOWN ON THE PLANS BY USE OF SAWS AND PNEUMATIC HAMMER OR A HAMMER AND CHISEL.
3. THE JOINT SHALL BE BLAST CLEANED OF DEBRIS AND ASPHALT. THE JOINT AREA SHALL BE THOROUGHLY DRIED USING HOT COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.
4. SPALLED AND DEFECTIVE CONCRETE SHALL BE REPAIRED WITH AN APPROVED MATERIAL AS AGREED UPON BY THE RESIDENT ENGINEER.
5. PROPERLY SIZED HEAT RESISTANT BACKER ROD SHALL BE PLACED IN THE MOVEMENT GAP ALLOWING FOR 1INCH+/- OF BINDER ABOVE THE ROD.
6. THE BINDER MATERIAL SHALL BE HEATED AND PLACED AS RECOMMENDED BY THE MANUFACTURER.
7. PLACE 1/4INCH THICK BY 8 INCH WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRESTAMPED HOLES INTO THE BACKER ROD AND COVER WITH HOT BINDER.
 - a. THE STEEL PLATES MAY BE OMITTED WHERE THE APPROACH SLAB IS COVERED WITH A STONE BASE OR BITUMINOUS PAVEMENT, AND VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.
8. THE BINDER MATERIAL AND AGGREGATE SHALL BE HEATED AND MIXED AS RECOMMENDED BY THE MANUFACTURER.
9. THE INSTALLATION OF MATERIAL, COMPACTION AND TOPCOATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
10. IMMEDIATELY AFTER TOPCOATING, AN ANTI-SKID MATERIAL SHALL BE CAST OVER THE JOINT TO REDUCE THE RISK OF TRACKING.
11. JOINT SHALL BE PROTECTED FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 125 DEGREES F +/-.

WEATHER LIMITATIONS:

1. BINDER MATERIAL SHALL BE APPLIED ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL:
 - a. THE AMBIENT AIR TEMPERATURE IS AT LEAST 50 DEGREES F AND RISING.
 - b. THE ROAD SURFACE IS SUFFICIENTLY DRY.
 - c. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF THE SATISFACTORY WORK.

PROJECT TYPICAL SHEET #2

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05c158.dgn		
PRF FILE	05c158+yp2.1	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	3	OF	44 SHEETS

ITEM DETAIL SUMMARY SHEET 1

LOCATION			MISCELLANEOUS ITEMS													DRAINAGE ITEMS								GUARD RAIL ITEMS								REMARKS			
STA	STA	POS.	203.15 COM. EXCAV.	203.16 SOLID ROCK EXCAV.	203.28 EXCAV. OF SURF. AND PAVE.	203.30 EARTH BORROW	301.28 SUBBASE OF CRUSHED GRAVEL, FINE	402.13 AGG. SHOULD. (RAP)	616.27 CAST-IN PLACE CONC. CURB TYPE A	616.47 B. CONC. GUTTER & TRAF. ISLAND	617.10 RELOCATE MAILBOX SINGLE SUPPORT	617.12 RELOCATE MAILBOX MULTIPLE SUPPORT	618.10 PORT. CEMENT CONC. WALK (5in)	618.15 BITUM. CONC. WALK	618.30 DETECT. WARN. SURFACE	601.995 CLEAN. CULVERT PIPE IN-PLACE 0-24" INC.	601.996 CLEAN. CULVERT PIPE IN-PLACE 24"+	604.40 CHANGE ELEV.	604.412 REHAB. D.I. CLASS I	NEW PIPE			619.17 YIELD. MARKER POSTS	621.20 STEEL BEAM G.R.	621.205 STEEL BEAM G.R. 8ft POSTS	621.50 MANUF. TERMINAL SECTION, FLARED	621.60 ANCHOR FOR S.B. RAIL	621.80 REMOVE & DISP. OF GUARD RAIL	676.10 DELIN. w/STEEL POSTS						
			CY	CY	CY	CY	TON	TON	LF	TON	EA	EA	SY	TON	SF	LF	LF	EA	EA	in	LF	LF	LF	EA	LF	LF	EA	EA		LF		EA			
MILTON																																			
4+96	413+42	LT&RT					375	1,910								300	300							10									ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.		
126+74	128+36	RT				50		10																162.5			2			162.5		2	REPLACE EXISTING STEEL BEAM GUARD RAIL.		
126+92	128+54	LT				50		10																162.5			2			162.5		2	REPLACE EXISTING STEEL BEAM GUARD RAIL.		
135+25	136+50	RT			30																											10	REMOVE PAVEMENT AT TH#6, REPLACE WITH TOPSOIL.		
140+50		LT		2				5					5		10																			CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.	
147+77		LT		2				5					5		10																			CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.	
171+75	173+75	LT				50		10																										REPLACE EXISTING STEEL BEAM GUARD RAIL.	
181+54	184+79	LT				50		10																										REPLACE EXISTING STEEL BEAM GUARD RAIL.	
193+70		RT		2									5		10																			CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.	
193+85		RT																1																ADJUST ELEVATION OF STORM MANHOLE.	
194+15	195+45	RT	35	2			50						75		10						15	10												CONSTRUCT SIDEWALK RAMPS, TYPES 1&6, WITH DETECTABLE WARNING SURFACE. CONST. 5IN CONC. SIDEWALK TO CONNECT TO EXIST. SIDEWALK @ STA 195+45.	
209+63		LT	2				5							2	10																			CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.	
210+45		LT		2			5						5		10																			CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.	
219+72		RT		2			5						5		10																			CONSTRUCT SIDEWALK RAMP, TYPE 6, WITH DETECTABLE WARNING SURFACE.	
220+18		RT		2			5						5		10																			CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.	
220+38	241+00	RT	60							120																								REPLACE EXISTING BITUMINOUS CONCRETE GUTTER, SEE DETAIL, SHEET 3.	
222+81		LT		2			5						5		10																			CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.	
223+15		LT&RT	4	4			10		20				10	2	30																		CONSTRUCT SIDEWALK RAMPS, TYPES 1&2, WITH DETECTABLE WARNING SURFACES.		
223+60		RT																																RELOCATE EXISTING MAILBOX, MULTIPLE SUPPORT.	
224+35		RT									1																							RELOCATE EXISTING MAILBOX, SINGLE SUPPORT.	
226+95		RT									1																							RELOCATE EXISTING MAILBOX, SINGLE SUPPORT.	
227+85		RT									1																							RELOCATE EXISTING MAILBOX, SINGLE SUPPORT.	
230+00		LT		2			5						5		10																				CONSTRUCT SIDEWALK RAMP, TYPE 6, WITH DETECTABLE WARNING SURFACE.
230+05		RT		2			5						5		10																				CONSTRUCT SIDEWALK RAMP, TYPE 6, WITH DETECTABLE WARNING SURFACE.
230+33		LT		2			5						5		10																				CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.
230+65		RT		2			5						5		10																				CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.
235+75	239+75	LT	10							20																								REPLACE EXISTING BITUMINOUS CONCRETE GUTTER, SEE DETAIL, SHEET 3.	
236+40		RT		2			5						5		10																				CONSTRUCT SIDEWALK RAMP, TYPE 6, WITH DETECTABLE WARNING SURFACE.
236+80		RT		2			5						5		10																				CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.
238+70		RT									1																							RELOCATE EXISTING MAILBOX, SINGLE SUPPORT.	
239+15		RT		2			5						5		10																				CONSTRUCT SIDEWALK RAMP, TYPE 6, WITH DETECTABLE WARNING SURFACE.
239+55		RT		2			5						5		10																				CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.
240+60		RT																																RELOCATE EXISTING MAILBOX, MULTIPLE SUPPORT.	
244+55	250+50	RT	22							44																								REPLACE EXISTING BITUMINOUS CONCRETE GUTTER, SEE DETAIL, SHEET 3.	
249+07		RT																1																ADJUST ELEVATION OF D. I.	
SHEET SUB-TOTALS			133	36	30	200	515	1,950	20	184	4	2	160	4	200	300	300	2		15	10			10	650	200		8		850		18			

ITEM DETAIL SUMMARY SHEET #1

DESIGNED BY BCE/PJM DATE 6-06

DRAWN BY C.E.A., INC. DATE 6-06

DESIGN FILE NO. 05cl58.dgn

PRF FILE 05cl581dl.i DATE PLOTTED 19-MAY-2009 12:45

PROJ. NAME: **MILTON - GEORGIA**

PROJ. NO.: **STP 2510(1)S**

SHEET **6** OF **44** SHEETS

ITEM DETAIL SUMMARY SHEET 2

LOCATION			MISCELLANEOUS ITEMS													DRAINAGE ITEMS								GUARD RAIL ITEMS								REMARKS		
STA	STA	POS.	203.15 COM. EXCAV.	203.16 SOLID ROCK EXCAV.	203.28 EXCAV. OF SURF. AND PAVE.	203.30 EARTH BORROW	301.28 SUBBASE OF CRUSHED GRAVEL, FINE	402.13 AGG. SHOULD. (RAP)	616.27 CAST-IN PLACE CONC. CURB TYPE A	616.47 B. CONC. GUTTER & TRAF. ISLAND	617.10 RELOCATE MAILBOX SINGLE SUPPORT	617.12 RELOCATE MAILBOX MULTIPLE SUPPORT	618.10 PORT. CEMENT CONC. WALK (5in)	618.15 BITUM. CONC. WALK	618.30 DETECT. WARN. SURFACE	601.995 CLEAN. CULVERT PIPE IN-PLACE 0-24" INC.	601.996 CLEAN. CULVERT PIPE IN-PLACE 24"+	604.40 CHANGE ELEV.	604.412 REHAB. D.I. CLASS I	NEW PIPE			619.17 YIELD. MARKER POSTS	621.20 STEEL BEAM G.R.	621.205 STEEL BEAM G.R. 8ft POSTS	621.50 MANUF. TERMINAL SECTION, FLARED	621.60 ANCHOR FOR S.B. RAIL	621.80 REMOVE & DISP. OF GUARD RAIL	676.10 DELIN. w/STEEL POSTS					
			CY	CY	CY	CY	TON	TON	LF	TON	EA	EA	SY	TON	SF	LF	LF	EA	EA	in	LF	LF	LF	EA	LF	LF	EA	EA		LF		EA		
249+52		RT										1																					RELOCATE EXISTING MAILBOX, MULTIPLE SUPPORT.	
250+25		LT		2			5						5		10																		CONSTRUCT SIDEWALK RAMP, TYPE I, WITH DETECTABLE WARNING SURFACE.	
250+50		RT																1															ADJUST ELEVATION OF D. I.	
251+70		RT																1															ADJUST ELEVATION OF D. I.	
255+30		RT																1															ADJUST ELEVATION OF D. I.	
255+34		RT		2			5						5		10																		CONSTRUCT SIDEWALK RAMP, TYPE 6, WITH DETECTABLE WARNING SURFACE.	
255+72		RT		2			5						5		10																		CONSTRUCT SIDEWALK RAMP, TYPE 6, WITH DETECTABLE WARNING SURFACE.	
257+75		RT																1															ADJUST ELEVATION OF D. I.	
257+75	263+80	RT	22							44																							REPLACE EXISTING BITUMINOUS CONCRETE GUTTER, SEE DETAIL, SHEET 3.	
257+80		LT																	1														REHAB D. I.	
257+80	260+90	LT	3							6																							REPLACE EXISTING BITUMINOUS CONCRETE GUTTER, SEE DETAIL, SHEET 3.	
259+20		LT																	1														REHAB D. I.	
259+83		RT																1															ADJUST ELEVATION OF D. I.	
260+40		LT																	1														REHAB D. I.	
262+35		LT																	1														REHAB D. I.	
262+90		RT																	1														REHAB D. I.	
263+10		RT																1															ADJUST ELEVATION OF D. I.	
264+85		RT																1															ADJUST ELEVATION OF D. I.	
265+59		LT		2			5						5		10																		CONSTRUCT SIDEWALK RAMP, TYPE 2, WITH DETECTABLE WARNING SURFACE.	
265+70		RT		2			5						5		10																		CONSTRUCT SIDEWALK RAMP, TYPE 2, WITH DETECTABLE WARNING SURFACE.	
265+92		RT		2			5						5		10																		CONSTRUCT SIDEWALK RAMP, TYPE 6, WITH DETECTABLE WARNING SURFACE.	
266+00		RT																1															ADJUST ELEVATION OF D. I.	
266+42		RT																1															ADJUST ELEVATION OF D. I.	
266+55		RT		2			5						5		10																		CONSTRUCT SIDEWALK RAMP, TYPE 5, WITH DETECTABLE WARNING SURFACE.	
267+10		LT																1															ADJUST ELEVATION OF D. I.	
271+57		LT																1															ADJUST ELEVATION OF D. I.	
271+85		RT																1															ADJUST ELEVATION OF D. I.	
274+40	305+02	RT				50		10																		2,987.5	2			3,062.5	2		REPLACE EXISTING STEEL BEAM GUARD RAIL. REDUCED POST SPACING REQUIRED AT STA 274+93, 276+60, AND 278+13.	
278+35	288+85	LT				50		10																			975	2		1,050	2		REPLACE EXISTING STEEL BEAM GUARD RAIL.	
296+07	302+94	LT				50		10																			612.5	2		687.5	2		REPLACE EXISTING STEEL BEAM GUARD RAIL.	
320+35		RT									1																						RELOCATE EXISTING MAILBOX, SINGLE SUPPORT.	
320+60	321+85	RT				50		10																			50	2		125	2		REPLACE EXISTING STEEL BEAM GUARD RAIL.	
320+80	322+05	LT				50		10																			50	2		125	2		REPLACE EXISTING STEEL BEAM GUARD RAIL.	
327+75	329+25	RT				50		10																			75	2		150	2		REPLACE EXISTING STEEL BEAM GUARD RAIL.	
327+98	329+60	LT				50		10																						162.5	2		REPLACE EXISTING STEEL BEAM GUARD RAIL.	
333+80	347+90	RT				50		10																			0	1,325					REPLACE EXISTING STEEL BEAM GUARD RAIL.	
344+40		LT																1									537.5	800	2	1,387.5	2		ADJUST ELEVATION OF D. I.	
384+50	386+38	RT				50		10																				112.5	2	187.5	2		REPLACE EXISTING STEEL BEAM GUARD RAIL.	
387+37	393+12	RT				50		10																			137.5	375					REPLACE EXISTING STEEL BEAM GUARD RAIL.	
391+97		LT																1															ADJUST ELEVATION OF D. I.	
393+46	402+83	RT				50		10																				225	637.5					REPLACE EXISTING STEEL BEAM GUARD RAIL.
396+00		LT																1										312.5	550	2	937.5	2		ADJUST ELEVATION OF D. I.
403+32	406+08	RT				50		10																				200	200	2	275	2		REPLACE EXISTING STEEL BEAM GUARD RAIL.
GEORGIA																																		
0+00	47+47	LT&RT					175	280																										ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
SHEET SUB-TOTALS			25	14	--	600	210	400	--	50	1	1	35	--	70	--	--	15	5	--	--	--	--	--	1,200	6,650	24	--	--	8,725	24			
ID#1 SUB-TOTALS			133	36	30	200	515	1,950	20	184	4	2	160	4	200	300	300	2	--	15	10			10	650	200	--	8	850	18				
PROJECT SUB-TOTALS			158	50	30	800	725	2,350	20	234	5	3	195	4	270	300	300	17	5	15	10			10	1,850	6,850	24	8	9,575	42				
ROUNDING			2	--	--	--	--	--	--	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25	50	--	--	25	--	--			
PROJECT TOTALS			160	50	30	800	725	2,350	20	240	5	3	195	4	270	300	300	17	5	15	10			10	1,875	6,900	24	8	9,600	42				

ITEM DETAIL SUMMARY SHEET #2

DESIGNED BY BCE/PJM DATE 6-06

DRAWN BY C.E.A., INC. DATE 6-06

DESIGN FILE NO. 05cl58.dgn

PRF FILE 05cl58ld2.i DATE PLOTTED 19-MAY-2009 12:42

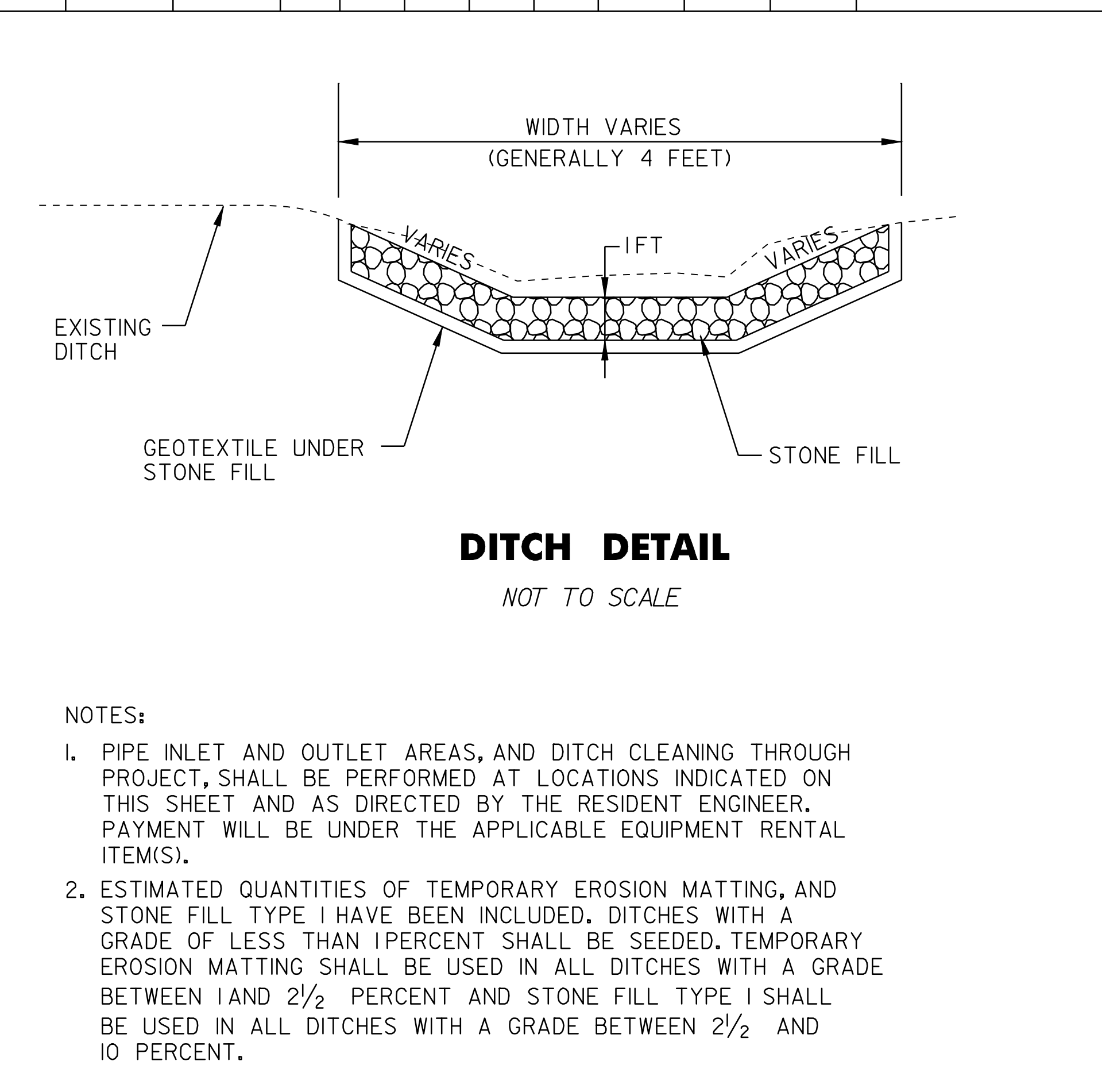
PROJ. NAME: **MILTON - GEORGIA**

PROJ. NO.: **STP 2510(1)S**

SHEET **7** OF **44** SHEETS

LOCATION				FEET OF DITCHING				MISC. ITEMS			REMARKS	LOCATION				FEET OF DITCHING				MISC. ITEMS			REMARKS
SITE	STATION	STATION	POS.	PERCENT GRADE				653.20	613.10	649.31		SITE	STATION	STATION	POS.	PERCENT GRADE				653.20	613.10	649.31	
				0-1	1-2.5	2.5-10	>10	TEMP. EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL						0-1	1-2.5	2.5-10	>10	TEMP. EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
US ROUTE 7, MILTON DISTRICT #5								SY	CY	SY									SY	CY	SY		
1	15+50	19+60	RT			410			61	273													
2	17+00	21+50	LT		100	350		44	52	233													
3	62+50	63+60	RT			110			16	73													
4	70+00	71+75	RT			175			26	117													
5	93+50	103+50	LT	175	100	725		44	107	483													
6	115+00	123+50	LT			850			126	567													
7	128+75	129+10	RT	35																			
8	129+60	130+50	RT	90																			
9	190+80	193+50	RT	270																			
10	193+85	197+75	LT	415							INCLUDES 25 FT OF CULVERT OUTLET DITCH CLEANING AT 193+85 LT												
11	194+20	194+70	RT	50																			
12	243+45	247+90	LT			445			66	297													
13	249+75		LT	50							DITCHING ALONG RITCHIE AVE												
14	311+75	318+25	LT	175	200	275		89	41	183													
15	334+25	355+15	LT	75	225	1,790		100	265	1,193													
16	364+25	384+50	LT	400	750	875		333	130	583													
17	404+50	413+25	LT	250	625			278															
US ROUTE 7, GEORGIA DISTRICT #8																							
18	0+00	10+75	LT	1,075																			
PROJECT SUBTOTALS				3,060	2,000	6,005		888	890	4,002													
ROUNDING				40	100	95		12	10	48													
PROJECT TOTALS				3,100	2,100	6,100		900	900	4,050													

LOCATION				FEET OF DITCHING				MISC. ITEMS			REMARKS
SITE	STATION	STATION	POS.	PERCENT GRADE				653.20	613.10	649.31	
				0-1	1-2.5	2.5-10	>10	TEMP. EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	



NOTES:

- PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGH PROJECT, SHALL BE PERFORMED AT LOCATIONS INDICATED ON THIS SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
- ESTIMATED QUANTITIES OF TEMPORARY EROSION MATTING, AND STONE FILL TYPE I HAVE BEEN INCLUDED. DITCHES WITH A GRADE OF LESS THAN 1 PERCENT SHALL BE SEEDED. TEMPORARY EROSION MATTING SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 1 AND 2 1/2 PERCENT AND STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2 1/2 AND 10 PERCENT.

DITCH CLEANING DETAIL SHEET	PROJECT : MILTON - GEORGIA	PROJECT NO. : STP 2510(1)S
	DESIGN FILE NAME: 05c158.dgn	PLOT DATE: 19-MAY-2009 12
	IPARM FILE NAME: 05c158dit.t	SURVEY DATE: 9-06
	SURVEYED BY: BCE/PJM	DRAWN BY: C.E.A., INC.
SQUAD LEADER: BCE	SHEET: 8 OF 44	

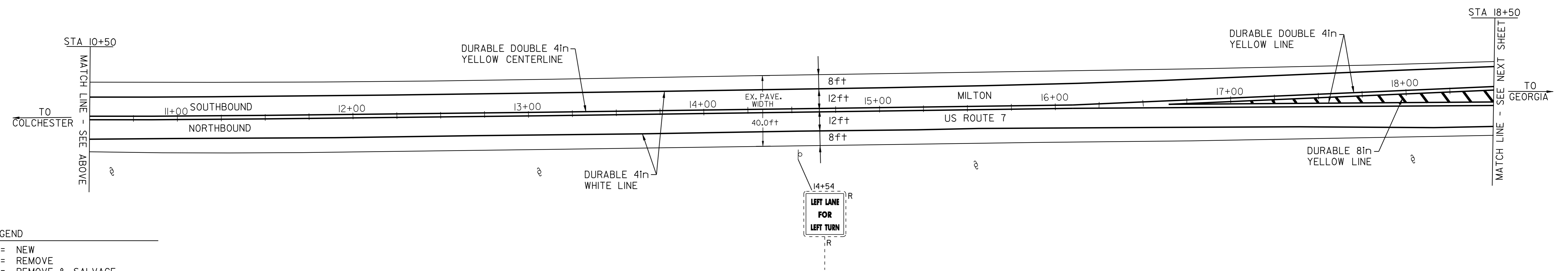
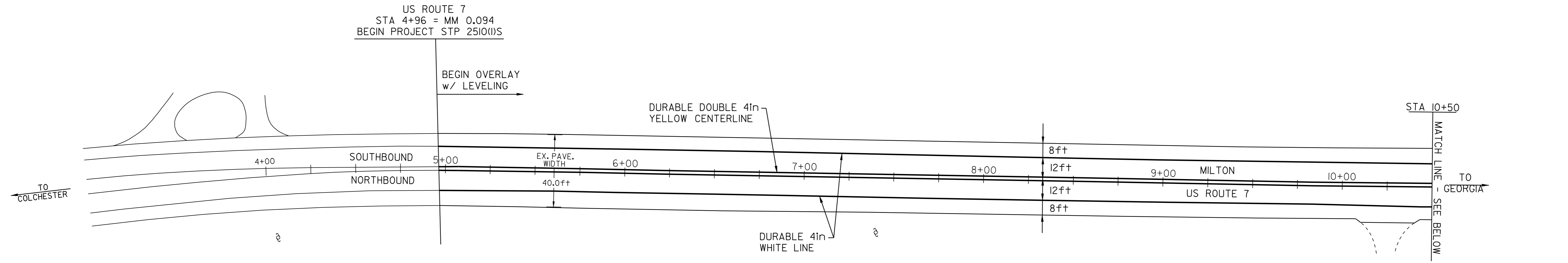
TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 4+96 TO 16+10 SOLID LT&RT
 STA 16+10 TO 18+50 DOUBLE SOLID LT&RT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 4+96 TO 18+50 SOLID LT&RT
 (WITH EDGE LINE BREAKS FOR TOWN HIGHWAYS)

DURABLE 8in YELLOW LINE (THERMOPLASTIC)
 STA 16+10 TO 18+50 PAINTED ISLAND

REMOVING SIGNS
 1

DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
 STA 15+50 TO 18+50 RT
 STA 17+00 TO 18+50 LT



- LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 - ☐ = CATCH BASIN/DI
 - ⊗ = EXISTING HYDRANT
 - ⊕ = EXISTING VALVE (WATER,GAS)
 - _{S,E,T} = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊘ = UTILITY POLE
 - = DRIVE

<h1>PAVING PROJECT LAYOUT SHEET #1</h1>	DESIGNED BY	BCE/PJM	DATE	8-06
	DRAWN BY	C.E.A., INC.	DATE	8-06
	DESIGN FILE NO.	05cl58.dgn		
	PRF FILE	05cl58p01.i	DATE PLOTTED	19-MAY-2009 12
	PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S			
SHEET	9	OF	44	SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)

STA 34+00 TO 50+00 SOLID LT&RT
 STA 39+55 DOUBLE SOLID LT
 STA 49+60 DOUBLE SOLID LT
 STA 49+60 DOUBLE SOLID RT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)

STA 39+55 "STOP"
 STA 49+60 "STOP"
 STA 49+60 "STOP"

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)

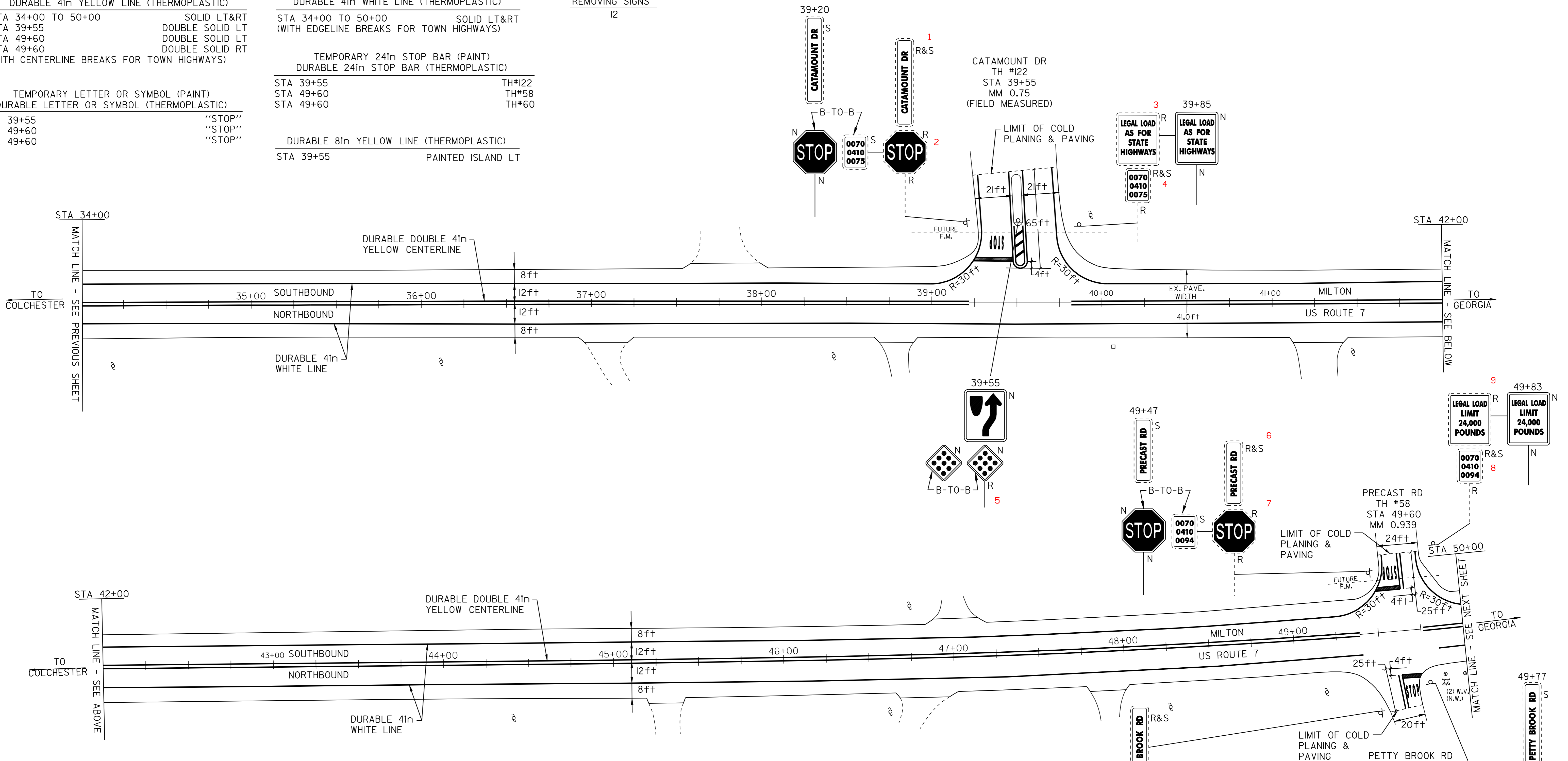
STA 34+00 TO 50+00 SOLID LT&RT
 (WITH EDGE LINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)

STA 39+55 TH#122
 STA 49+60 TH#58
 STA 49+60 TH#60

DURABLE 8in YELLOW LINE (THERMOPLASTIC)
 STA 39+55 PAINTED ISLAND LT

REMOVING SIGNS
 12



LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE
RET	= RETAIN
B-T-O-B	= BACK TO BACK
⊕	CATCH BASIN/DI
⊗	EXISTING HYDRANT
⊙	EXISTING VALVE (WATER,GAS)
⊙ _{S,E,T}	EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
(N.W.)	= NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
⊕	UTILITY POLE
---	DRIVE

PAVING PROJECT LAYOUT SHEET #3

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05c158.dgn		
PRF FILE	05c158p03.1	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	11	OF	44 SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 50+00 TO 50+52 SOLID LT&RT
 STA 50+52 TO 55+98 SOLID LT & DASHED RT
 STA 55+98 TO 57+62 DASHED
 STA 57+62 TO 61+38 DASHED LT & SOLID RT
 STA 61+38 TO 66+00 SOLID LT&RT
 STA 62+08 DOUBLE SOLID RT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

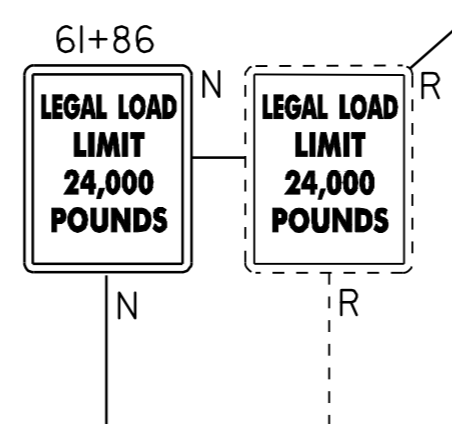
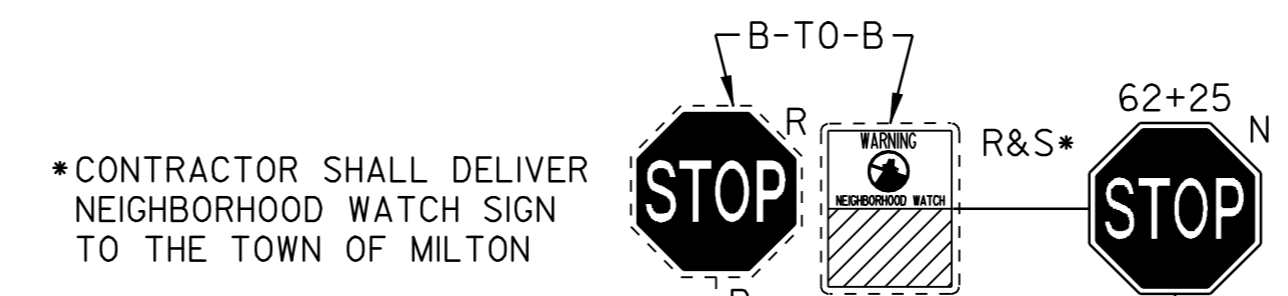
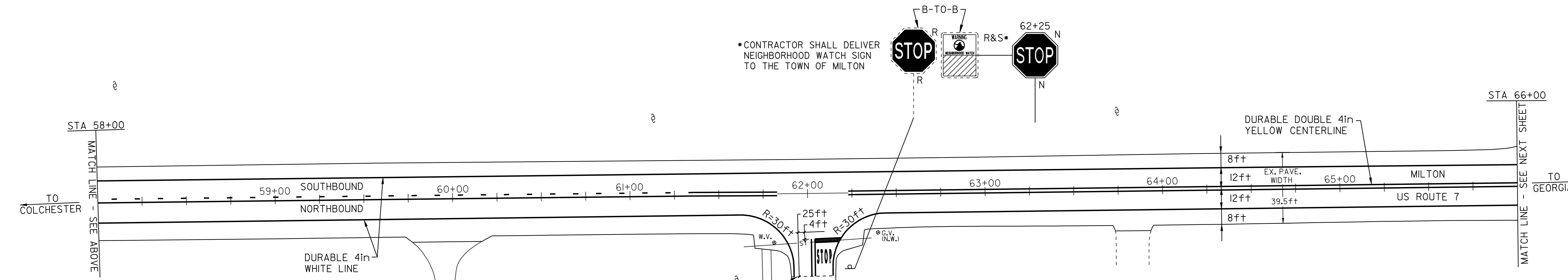
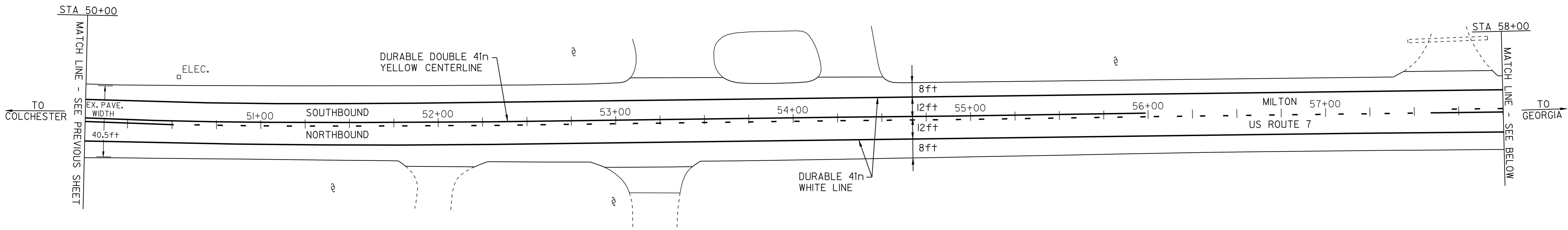
TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 50+00 TO 66+00 SOLID LT&RT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)
 TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 62+08 RT TH#157

REMOVING SIGNS
 3

ADJUST ELEVATION OF VALVE BOX
 STA 61+80 RT

DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
 STA 62+50 TO 63+60 RT

TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 STA 62+08 RT "STOP"



LIMIT OF COLD PLANING & PAVING
 CONCRETE SIDEWALK
 ANDREA LANE TH #157 STA 62+08 MM 1.175

- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-T-O-B = BACK TO BACK
 - ☐ = CATCH BASIN/DI
 - ⊗ = EXISTING HYDRANT
 - ⊙ = EXISTING VALVE (WATER,GAS)
 - _{S,E,T} = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ = UTILITY POLE
 - = DRIVE

PAVING PROJECT LAYOUT SHEET #4

DESIGNED BY BCE/PJM DATE 8-06
 DRAWN BY C.E.A., INC. DATE 8-06
 DESIGN FILE NO. 05ci58.dgn
 PRF FILE 05ci58p04.i DATE PLOTTED 19-MAY-2009 12
 PROJ. NAME **MILTON - GEORGIA**
 PROJ. NO. **STP 2510(1)S**
 SHEET **12** OF **44** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 66+00 TO 82+00 SOLID LT&RT
 STA 78+49 DOUBLE SOLID RT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 66+00 TO 82+00 SOLID LT&RT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

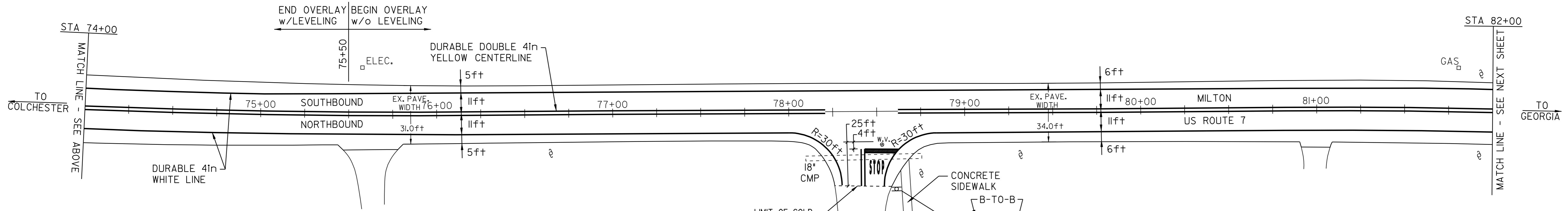
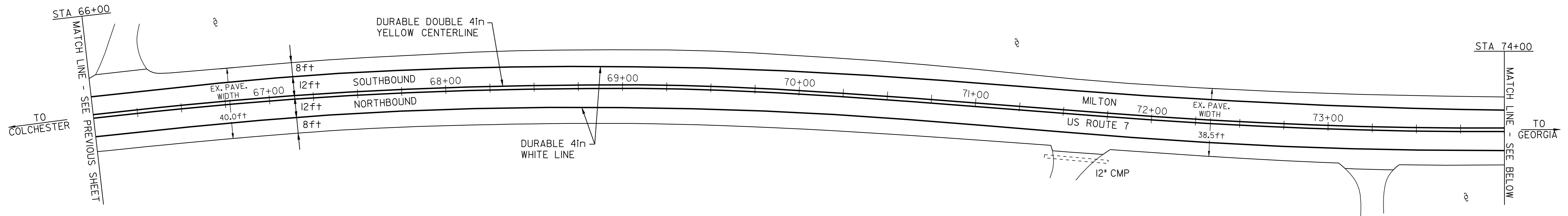
REMOVING SIGNS
 3

ADJUST ELEVATION OF VALVE BOX
 STA 78+53 RT

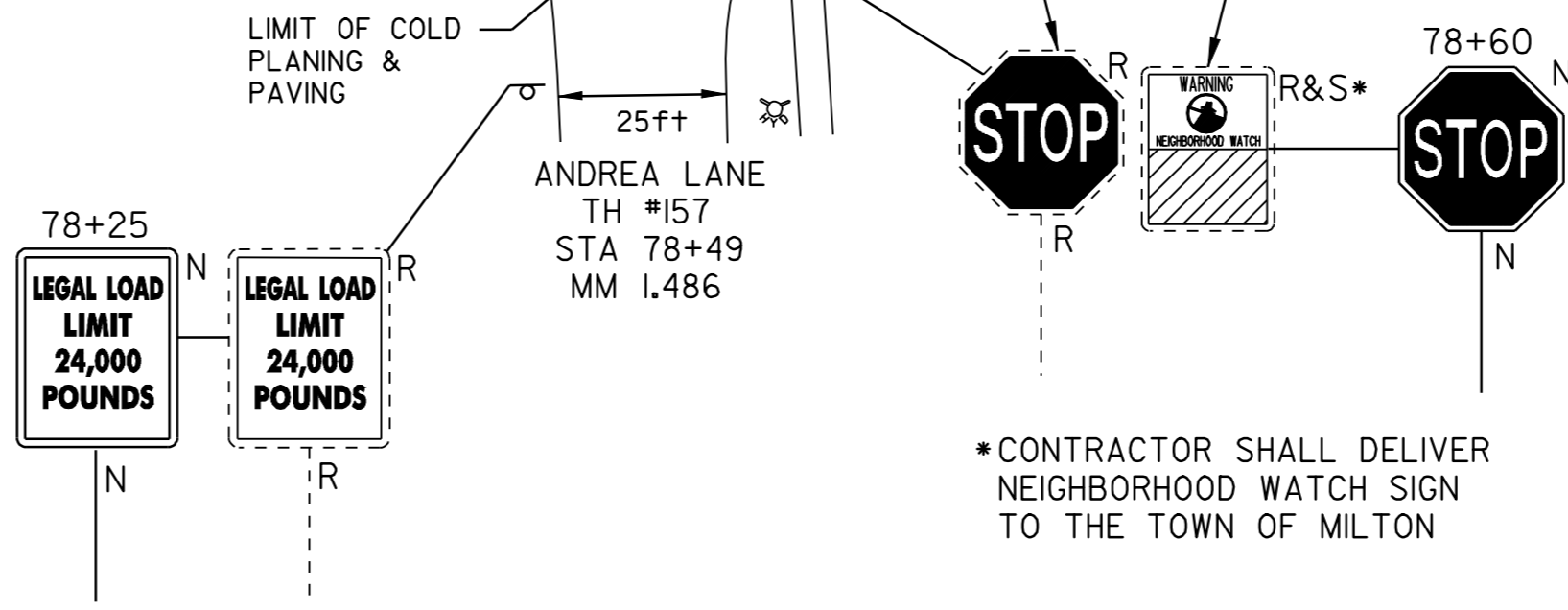
DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
 STA 70+00 TO 71+75 RT

TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 STA 78+49 RT "STOP"

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 78+49 RT TH#157



- LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-T-O-B = BACK TO BACK
 - ⊕ ⊞ □ CATCH BASIN/DI
 - ⊕ EXISTING HYDRANT
 - ⊙ EXISTING VALVE (WATER,GAS)
 - _{S,E,T} EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ UTILITY POLE
 - DRIVE



PAVING PROJECT LAYOUT SHEET #5

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO. 05c158.dgn			
PRF FILE	05c158p05.l	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME MILTON - GEORGIA			
PROJ. NO. STP 2510(1)S			
SHEET 13 OF 44 SHEETS			

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 82+00 TO 92+65 SOLID LT&RT
 STA 92+32 DOUBLE SOLID RT
 STA 92+65 TO 97+00 SOLID LT & DASHED RT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 82+00 TO 97+00 SOLID LT&RT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

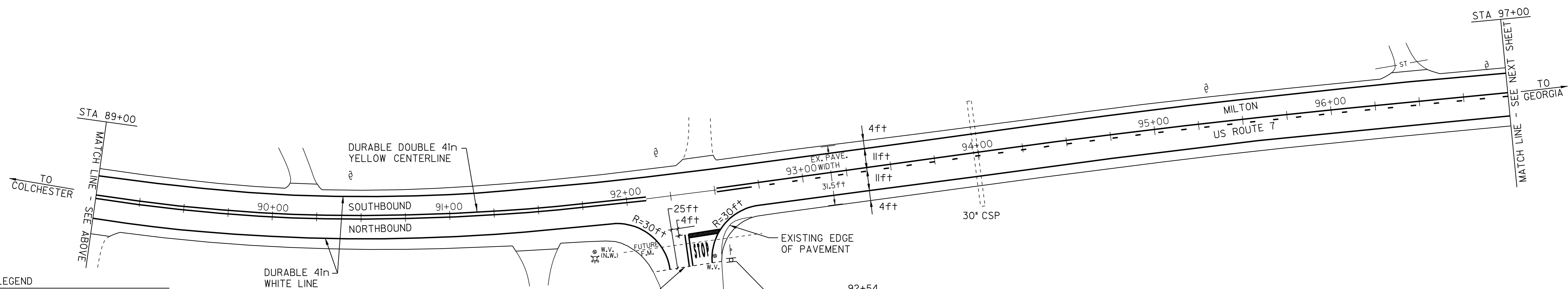
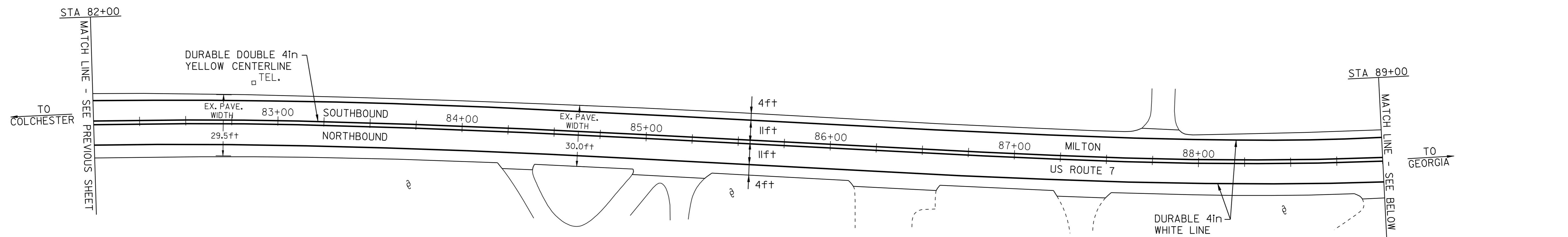
REMOVING SIGNS
 3

ADJUST ELEVATION OF VALVE BOX
 STA 92+46 RT

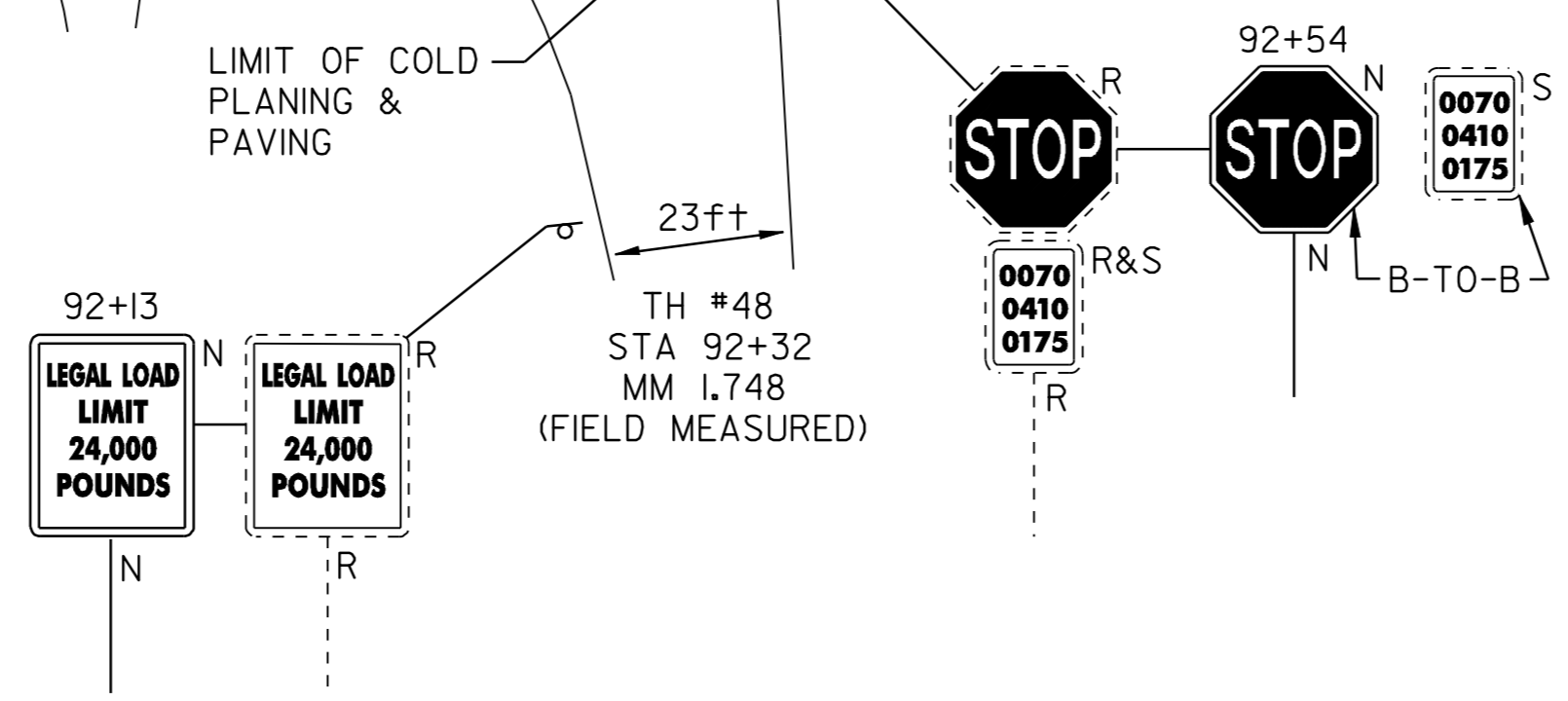
DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
 STA 93+50 TO 97+00 LT

TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 STA 92+32 RT "STOP"

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 92+32 RT TH#48



- LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 - ☐ = CATCH BASIN/DI
 - ⊕ = EXISTING HYDRANT
 - ⊙ = EXISTING VALVE (WATER,GAS)
 - _{S,E,T} = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ = UTILITY POLE
 - ⊔ = DRIVE



PAVING PROJECT LAYOUT SHEET #6

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05cl58.dgn		
PRF FILE	05cl58p06.l	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	14	OF	44 SHEETS

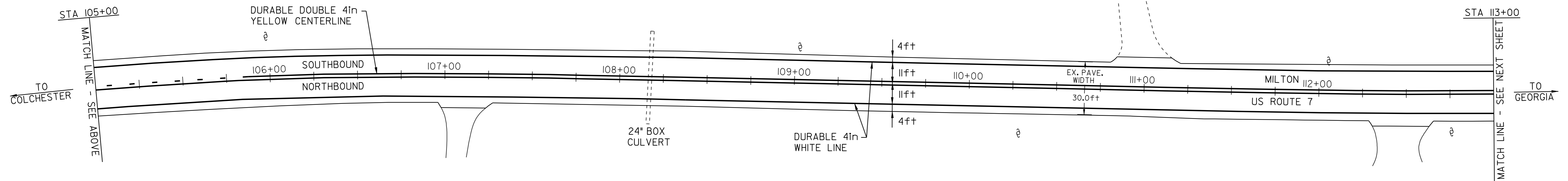
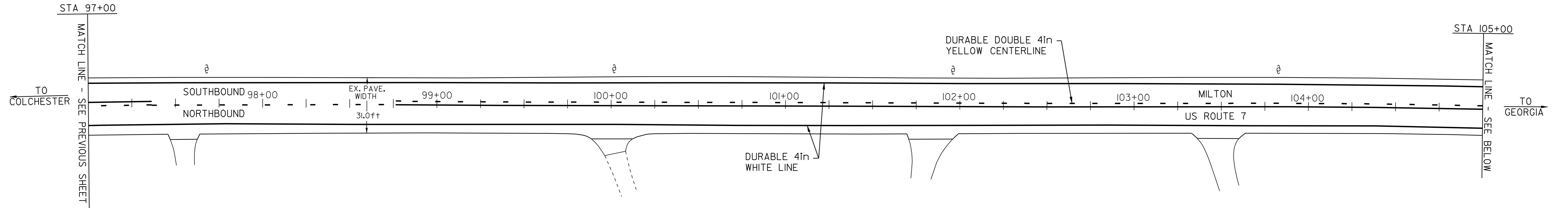
TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)

STA 97+00 TO 97+35 SOLID LT & DASHED RT
 STA 97+35 TO 98+85 DASHED
 STA 98+85 TO 105+88 DASHED LT & SOLID RT
 STA 105+88 TO 113+00 SOLID LT&RT

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)

STA 97+00 TO 113+00 SOLID LT&RT

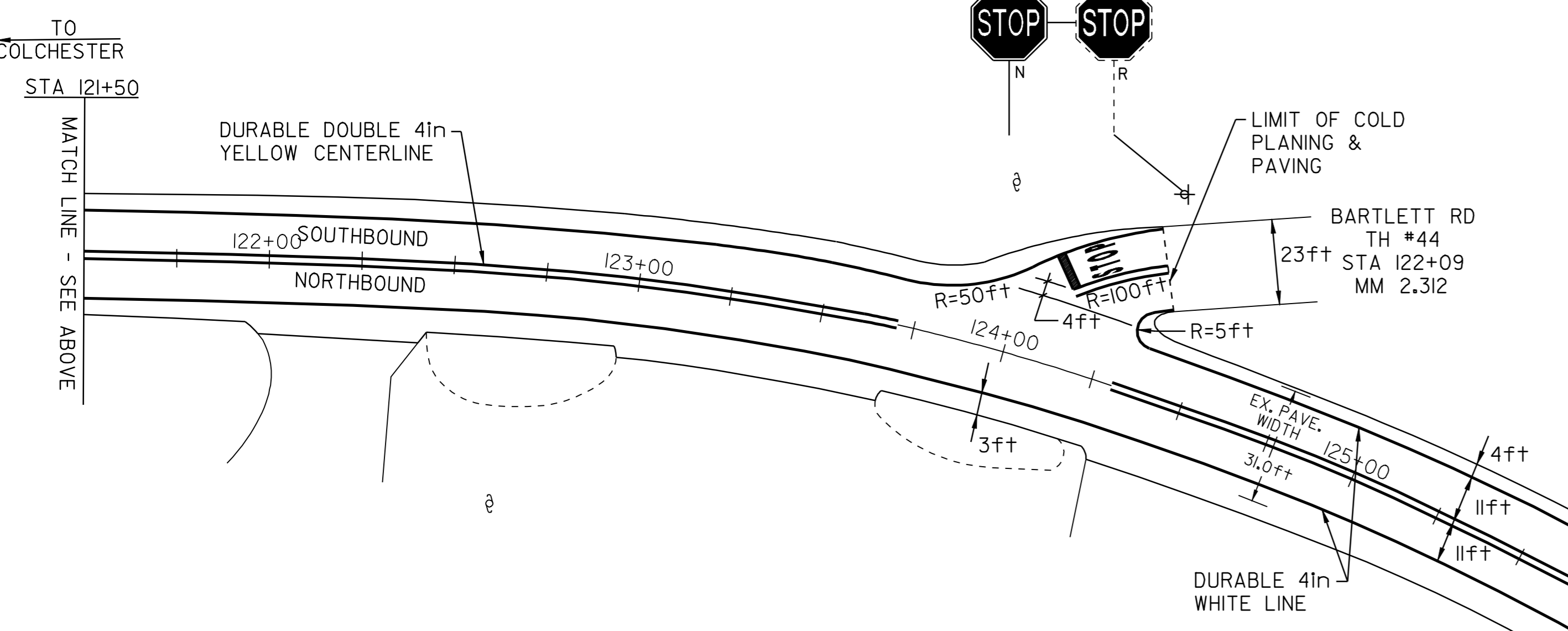
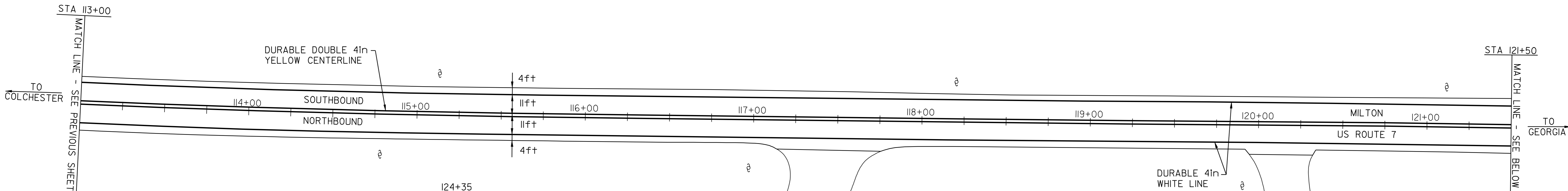
DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
 STA 97+00 TO 103+50 LT



LEGEND

- N = NEW
- R = REMOVE
- R&S = REMOVE & SALVAGE
- S = SALVAGE
- RET = RETAIN
- B-TO-B = BACK TO BACK
- ⊕ □ CATCH BASIN/DI
- ⊗ EXISTING HYDRANT
- ⊙ EXISTING VALVE (WATER,GAS)
- _{S,E,T} EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
- (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
- ⊘ UTILITY POLE
- DRIVE

<h2 style="margin: 0;">PAVING PROJECT LAYOUT SHEET #7</h2>	DESIGNED BY <u>BCE/PJM</u> DATE <u>8-06</u>
	DRAWN BY <u>C.E.A., INC.</u> DATE <u>8-06</u>
	DESIGN FILE NO. <u>05c158.dgn</u>
	PRF FILE <u>05c158p07.1</u> DATE PLOTTED <u>19-MAY-2009 12</u>
	PROJ. NAME MILTON - GEORGIA
PROJ. NO. STP 2510(1)S	
SHEET 15 OF 44 SHEETS	



TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 113+00 TO 129+00 SOLID LT&RT
 STA 122+09 DOUBLE SOLID LT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 113+00 TO 129+00 SOLID LT&RT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

REMOVAL AND DISPOSAL OF GUARD RAIL
 STA 126+74 TO 128+36 RT
 STA 126+92 TO 128+54 LT

ANCHOR FOR STEEL BEAM RAIL
 STA 126+74 RT
 STA 126+92 LT
 STA 128+36 RT
 STA 128+54 LT

STEEL BEAM GUARD RAIL, GALVANIZED
 STA 126+74 TO 128+36 RT
 STA 126+92 TO 128+54 LT

REMOVING SIGNS
 2

DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
 STA 115+00 TO 123+50 LT
 STA 128+75 TO 129+00 RT

TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 STA 122+09 LT "STOP"

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 122+09 LT TH#44

STA 126+74 RT
 INSTALL ANCHOR FOR STEEL BEAM RAIL

STA 126+74 TO 128+36 RT
 REMOVAL AND DISPOSAL OF GUARD RAIL

STA 126+74 TO 128+36 RT
 INSTALL STEEL BEAM GUARD RAIL, GALVANIZED

STA 128+36 RT
 INSTALL ANCHOR FOR STEEL BEAM RAIL

STA 126+92 LT
 INSTALL ANCHOR FOR STEEL BEAM RAIL

STA 126+92 TO 128+54 LT
 REMOVAL AND DISPOSAL OF GUARD RAIL

STA 126+92 TO 128+54 LT
 INSTALL STEEL BEAM GUARD RAIL, GALVANIZED

STA 128+54 LT
 INSTALL ANCHOR FOR STEEL BEAM RAIL

LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE
RET	= RETAIN
B-T-O-B	= BACK TO BACK
⊕	CATCH BASIN/DI
⊗	EXISTING HYDRANT
⊕	EXISTING VALVE (WATER,GAS)
○ _{S,E,T}	EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
(N.W.)	= NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
⊕	UTILITY POLE
⊕	DRIVE

PAVING PROJECT LAYOUT SHEET #8

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO. 05c158.dgn			
PRF FILE	05c158p08.i	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME MILTON - GEORGIA			
PROJ. NO. STP 2510(1)S			
SHEET 16 OF 44 SHEETS			

TEMPORARY 4in YELLOW LINE (PAINT) DURABLE 4in YELLOW LINE (THERMOPLASTIC) STA 129+00 TO 145+00 SOLID LT&RT DOUBLE SOLID LT STA 129+53 DOUBLE SOLID RT STA 135+25 DOUBLE SOLID LT STA 140+67 DOUBLE SOLID RT (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT) DURABLE 4in WHITE LINE (THERMOPLASTIC) STA 129+00 TO 145+00 SOLID LT&RT (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

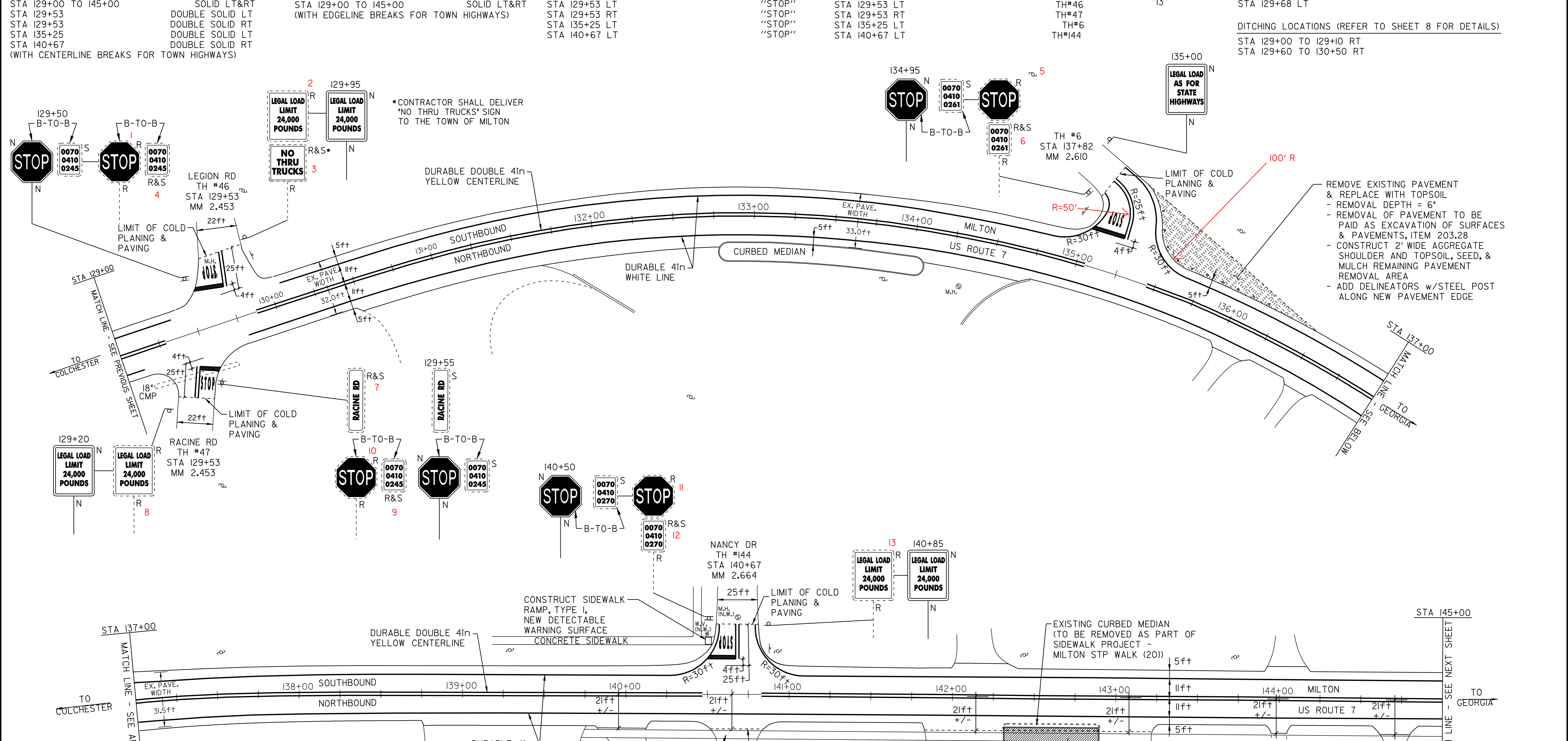
TEMPORARY LETTER OR SYMBOL (PAINT) DURABLE LETTER OR SYMBOL (THERMOPLASTIC) STA 129+53 LT "STOP" STA 129+53 RT "STOP" STA 135+25 LT "STOP" STA 140+67 LT "STOP"

TEMPORARY 24in STOP BAR (PAINT) DURABLE 24in STOP BAR (THERMOPLASTIC) STA 129+53 LT TH#46 STA 129+53 RT TH#47 STA 135+25 LT TH#6 STA 140+67 LT TH#144

REMOVING SIGNS 13

CHANGE ELEVATION OF SEWER MANHOLE STA 129+68 LT

DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS) STA 129+00 TO 129+10 RT STA 129+60 TO 130+50 RT



REMOVE EXISTING PAVEMENT & REPLACE WITH TOPSOIL
 - REMOVAL DEPTH = 6"
 - REMOVAL OF PAVEMENT TO BE PAID AS EXCAVATION OF SURFACES & PAVEMENTS, ITEM 203.28
 - CONSTRUCT 2' WIDE AGGREGATE SHOULDER AND TOPSOIL, SEED, & MULCH REMAINING PAVEMENT REMOVAL AREA
 - ADD DELINEATORS w/STEEL POST ALONG NEW PAVEMENT EDGE

- LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-T-O-B = BACK TO BACK
 - ☐ = CATCH BASIN/DI
 - ⊗ = EXISTING HYDRANT
 - ⊕ = EXISTING VALVE (WATER,GAS)
 - _{S,E,T} = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ = UTILITY POLE
 - ⌋ = DRIVE

APPROXIMATE LOCATION OF PROPOSED VAOT SIDEWALK PROJECT - MILTON STP WALK (20)

PROPOSED TYPICAL LIMIT OF CONSTRUCTION TO BE 1FOOT FROM PROPOSED SIDEWALK

PAVING PROJECT LAYOUT SHEET #9

DESIGNED BY BCE/PJM DATE 8-06

DRAWN BY C.E.A., INC. DATE 8-06

DESIGN FILE NO. 05cl58.dgn

PRF FILE 05cl58p09.i DATE PLOTTED 19-MAY-2009 12

PROJ. NAME **MILTON - GEORGIA**

PROJ. NO. **STP 2510(1)S**

SHEET **17** OF **44** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 145+00 TO 161+00 SOLID LT&RT
 STA 147+94 DOUBLE SOLID LT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

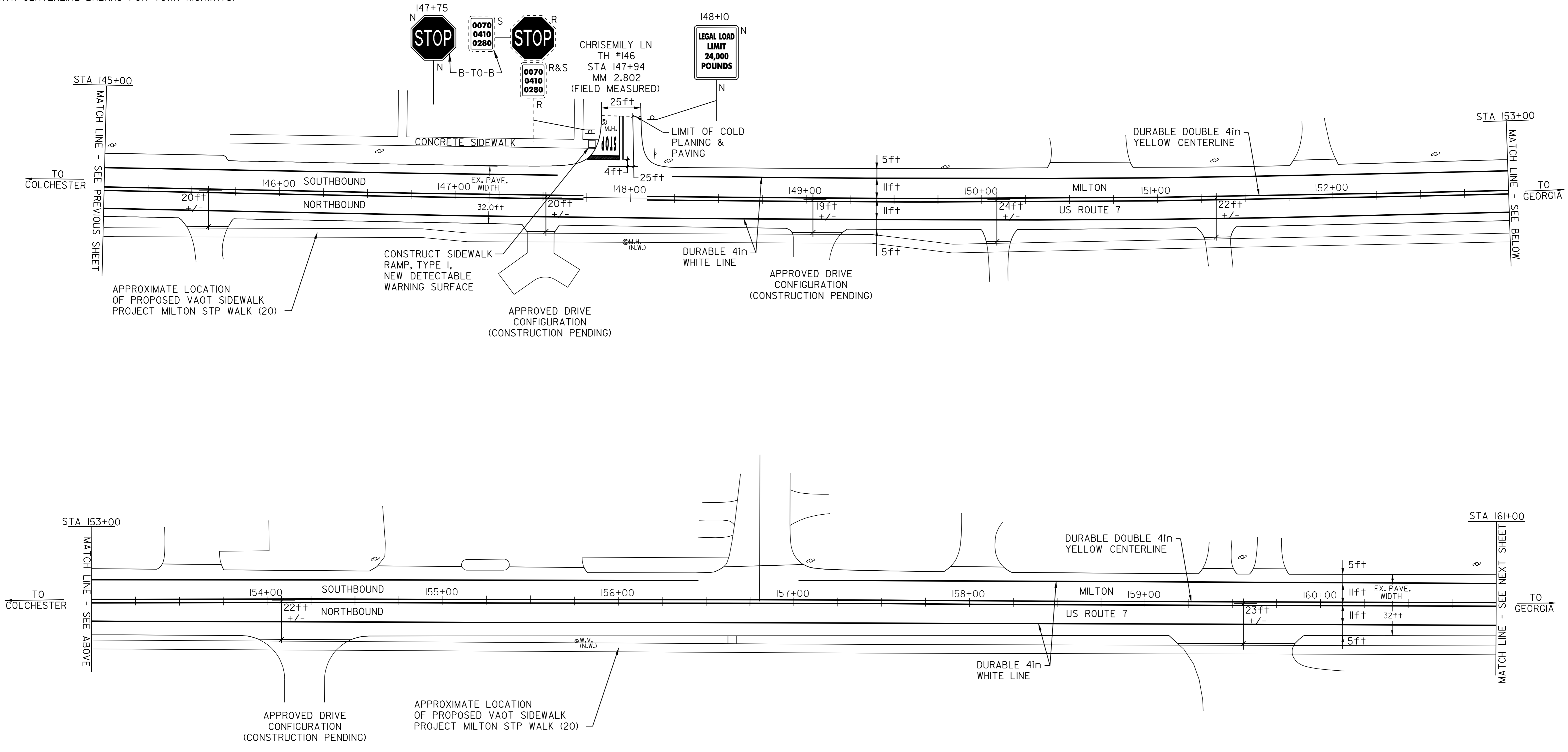
TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 145+00 TO 161+00 SOLID LT&RT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 STA 147+94 LT "STOP"

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 147+94 LT TH#146

REMOVING SIGNS
 2

CHANGE ELEVATION OF SEWER MANHOLE
 STA 147+83 LT



LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ⊞ ⊠	=	CATCH BASIN/DI
⊗	=	EXISTING HYDRANT
⊙	=	EXISTING VALVE (WATER,GAS)
○ _{S,E,T}	=	EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
(N.W.)	=	NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
⊘	=	UTILITY POLE
---	=	DRIVE

PAVING PROJECT LAYOUT SHEET #10

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05cl58.dgn		
PRF FILE	05cl58pl0.l	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	18	OF	44 SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 161+00 TO 177+00 SOLID LT&RT
 STA 165+00 DOUBLE SOLID LT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

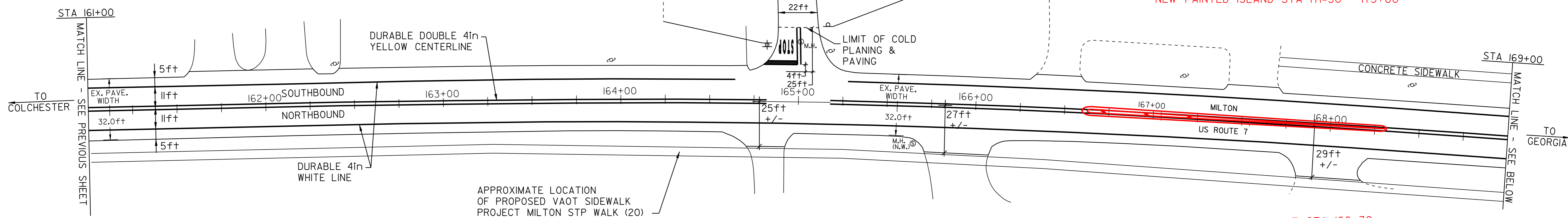
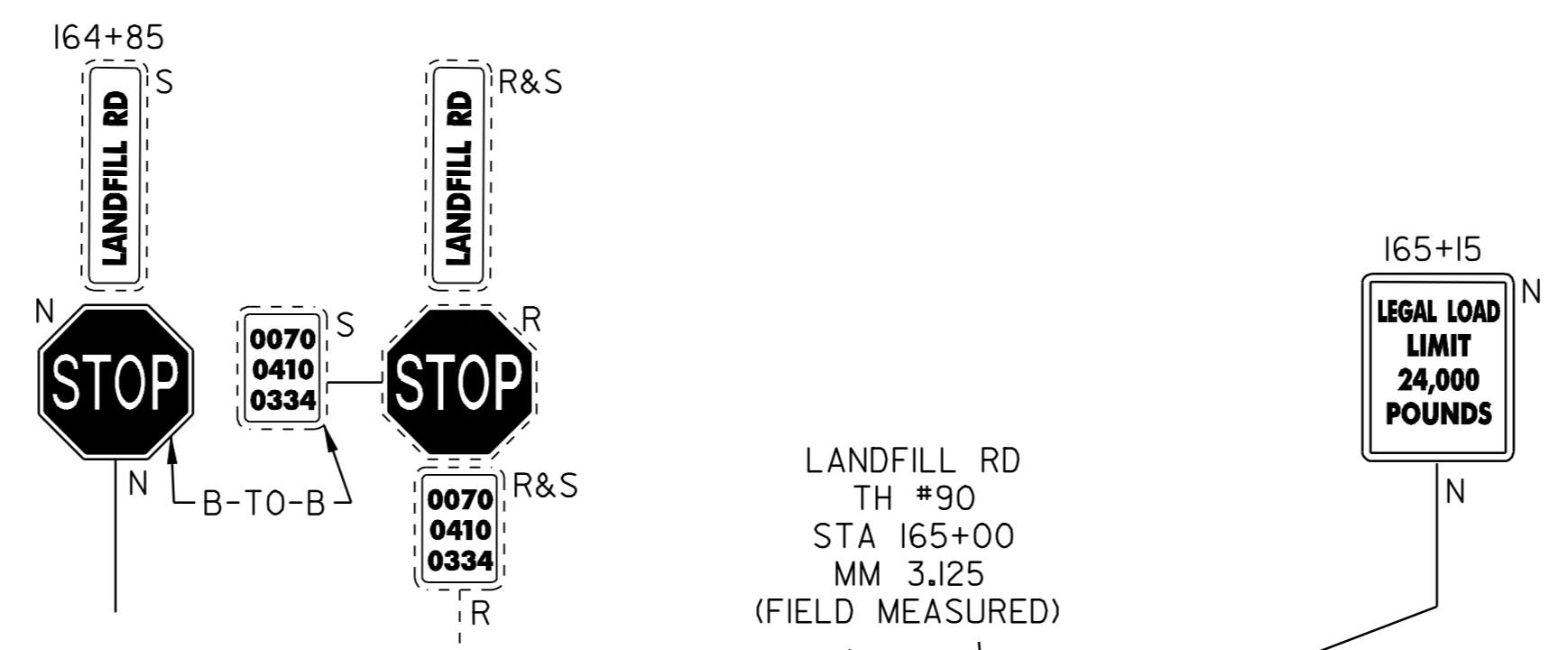
TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 STA 165+00 LT "STOP"

TEMPORARY 4in WHITE LINE (THERMOPLASTIC)
 STA 161+00 TO 177+00 SOLID LT&RT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 165+00 LT TH#90

REMOVING SIGNS
 3

CHANGE ELEVATION OF SEWER MANHOLE
 STA 165+00 LT



NEW PAINTED ISLAND STA 171=30 - 173+00

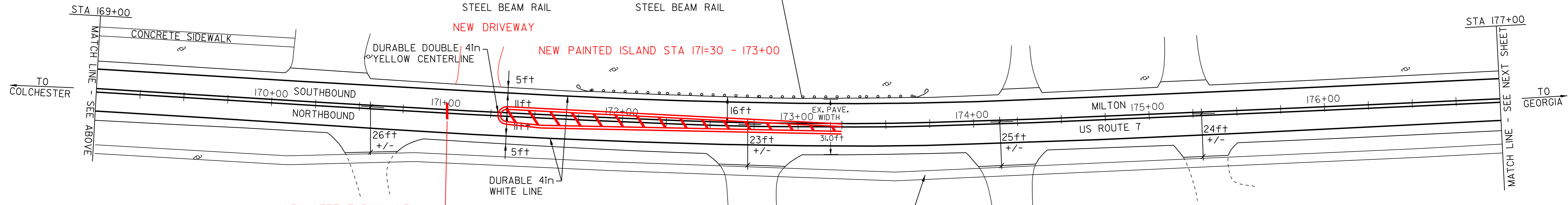
BEGIN ISLAND W/ 8" YELLOW LINE AT STA 166+30
 END AT STA 168+50

STA 171+75 TO 173+75 LT
 REMOVAL AND DISPOSAL OF GUARD RAIL

STA 171+75 LT
 INSTALL ANCHOR FOR STEEL BEAM RAIL

STA 171+75 TO 173+75 LT
 INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS

STA 173+75 LT
 INSTALL ANCHOR FOR STEEL BEAM RAIL



NEW LEFT TURN LANE
 STOP BAR @ 171+00

ANCHOR FOR STEEL BEAM RAIL
 STA 171+75 LT
 STA 173+75 LT

REMOVAL AND DISPOSAL OF GUARD RAIL
 STA 171+75 TO 173+75 LT

STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS
 STA 171+75 TO 173+75 LT

- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-T-O-B = BACK TO BACK
 - CATCH BASIN/DI
 - EXISTING HYDRANT
 - EXISTING VALVE (WATER,GAS)
 - EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - UTILITY POLE
 - DRIVE

PAVING PROJECT LAYOUT SHEET #11

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05cl58.dgn		
PRF FILE	05cl58pl1	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	19	OF	44 SHEETS

ADJUST ELEVATION OF VALVE BOX
 STA 184+40 RT
 STA 190+85 LT - 4

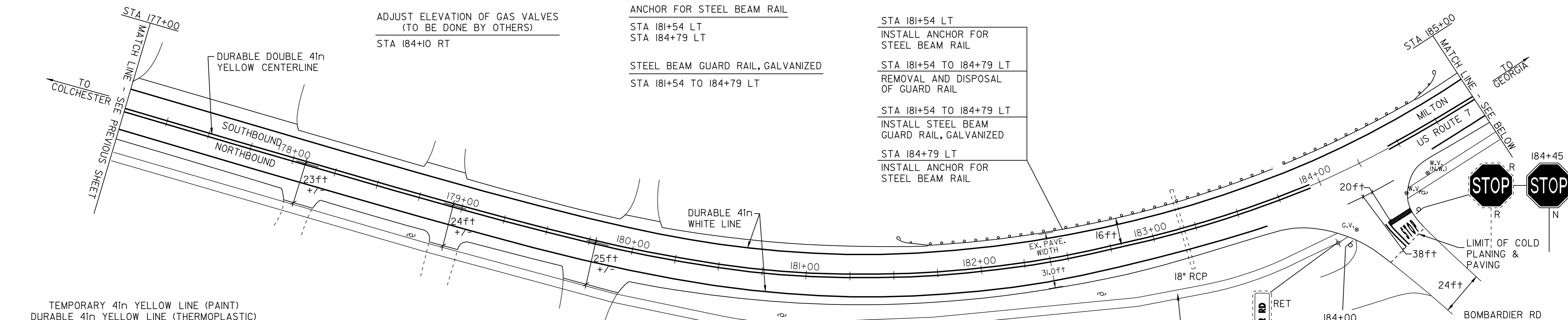
REMOVAL AND DISPOSAL OF GUARD RAIL
 STA 181+54 TO 184+79 LT

ADJUST ELEVATION OF GAS VALVES
 (TO BE DONE BY OTHERS)
 STA 184+10 RT

ANCHOR FOR STEEL BEAM RAIL
 STA 181+54 LT
 STA 184+79 LT

STEEL BEAM GUARD RAIL, GALVANIZED
 STA 181+54 TO 184+79 LT

STA 181+54 LT
 INSTALL ANCHOR FOR
 STEEL BEAM RAIL
 STA 181+54 TO 184+79 LT
 REMOVAL AND DISPOSAL
 OF GUARD RAIL
 STA 181+54 TO 184+79 LT
 INSTALL STEEL BEAM
 GUARD RAIL, GALVANIZED
 STA 184+79 LT
 INSTALL ANCHOR FOR
 STEEL BEAM RAIL



TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 177+00 TO 185+00 SOLID LT&RT
 STA 184+27 DOUBLE SOLID RT
 STA 185+00 TO 186+73 DOUBLE SOLID LT&RT
 STA 186+73 TO 191+46 SOLID LT&RT
 STA 190+49 DOUBLE SOLID LT
 STA 191+46 TO 193+00 DOUBLE SOLID LT&RT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 177+00 TO 193+00 SOLID LT&RT
 STA 186+05 TO 187+85 DOTTED RT
 STA 187+85 TO 189+75 SOLID RT
 STA 190+72 TO 191+46 DOUBLE SOLID LT
 STA 191+46 TO 192+35 DOTTED LT
 STA 192+35 TO 193+00 DOTTED LT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

DURABLE 8in YELLOW LINE (THERMOPLASTIC)
 STA 185+00 TO 186+73 PAINTED ISLAND
 STA 191+46 TO 193+00 PAINTED ISLAND

TEMPORARY LETTER OR SYMBOL (PAINT)
 STA 184+27 RT "STOP"
 STA 188+45 RT "STOP"
 STA 189+67 RT "STOP"
 STA 190+30 LT (2) "STOP"
 STA 190+80 LT "STOP"
 STA 191+46 RT "STOP"
 STA 191+85 LT "STOP"

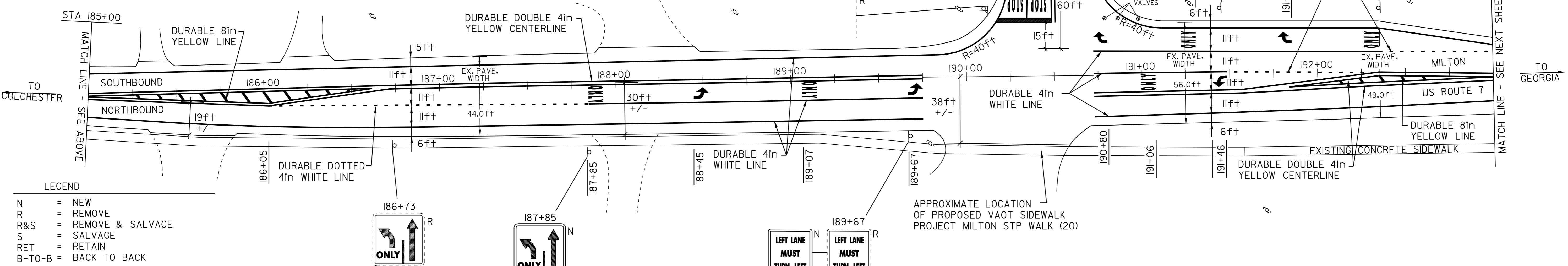
DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 STA 184+27 RT "STOP"
 STA 187+85 RT "ONLY"
 STA 188+45 RT "ONLY"
 STA 189+07 RT "ONLY"
 STA 189+67 RT "ONLY"
 STA 190+30 LT (2) "STOP", "ONLY"
 STA 190+80 LT "ONLY"
 STA 191+06 RT "ONLY"
 STA 191+30 LT "ONLY"
 STA 191+46 RT "ONLY"
 STA 191+85 LT "ONLY"
 STA 192+35 LT "ONLY"

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 184+23 RT TH#49
 STA 190+49 LT TH#140

DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
 STA 190+80 TO 193+00 RT

REMOVING SIGNS
 6

APPROXIMATE LOCATION
 OF PROPOSED VAOT SIDEWALK
 PROJECT MILTON STP WALK (20)



- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-T-O-B = BACK TO BACK
 - ⊕ ⊞ ⊠ = CATCH BASIN/DI
 - ⊗ = EXISTING HYDRANT
 - ⊙ = EXISTING VALVE (WATER,GAS)
 - ⊙ S,E,T = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊙ = UTILITY POLE
 - = DRIVE

PAVING PROJECT LAYOUT SHEET #12

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05c158.dgn		
PRF FILE	05c158pl2.i	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	20	OF	44 SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 209+00 TO 209+69 SOLID LT&RT
 STA 210+50 TO 212+50 DOUBLE SOLID LT&RT
 STA 212+50 TO 225+00 SOLID LT&RT
 STA 220+05 DOUBLE SOLID RT
 STA 222+97 DOUBLE SOLID LT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 209+00 TO 225+00 SOLID LT&RT
 STA 209+00 TO 209+69 SOLID RT
 STA 210+50 TO 211+69 SOLID LT
 STA 211+69 TO 213+23 DOTTED LT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 209+69 RT US ROUTE 7 SHOPPING CENTER TH #77
 STA 210+00 LT US ROUTE 7 TH #91
 STA 210+50 LT US ROUTE 7 TH #77
 STA 220+05 RT US ROUTE 7 TH #91
 STA 222+97 LT

TEMPORARY CROSSWALK (PAINT)
 STA 209+70 TO 210+40 LT SHOPPING CENTER TH #77
 STA 220+05 RT TH #77
 STA 222+97 LT TH #91
 STA 223+25 LT&RT US ROUTE 7

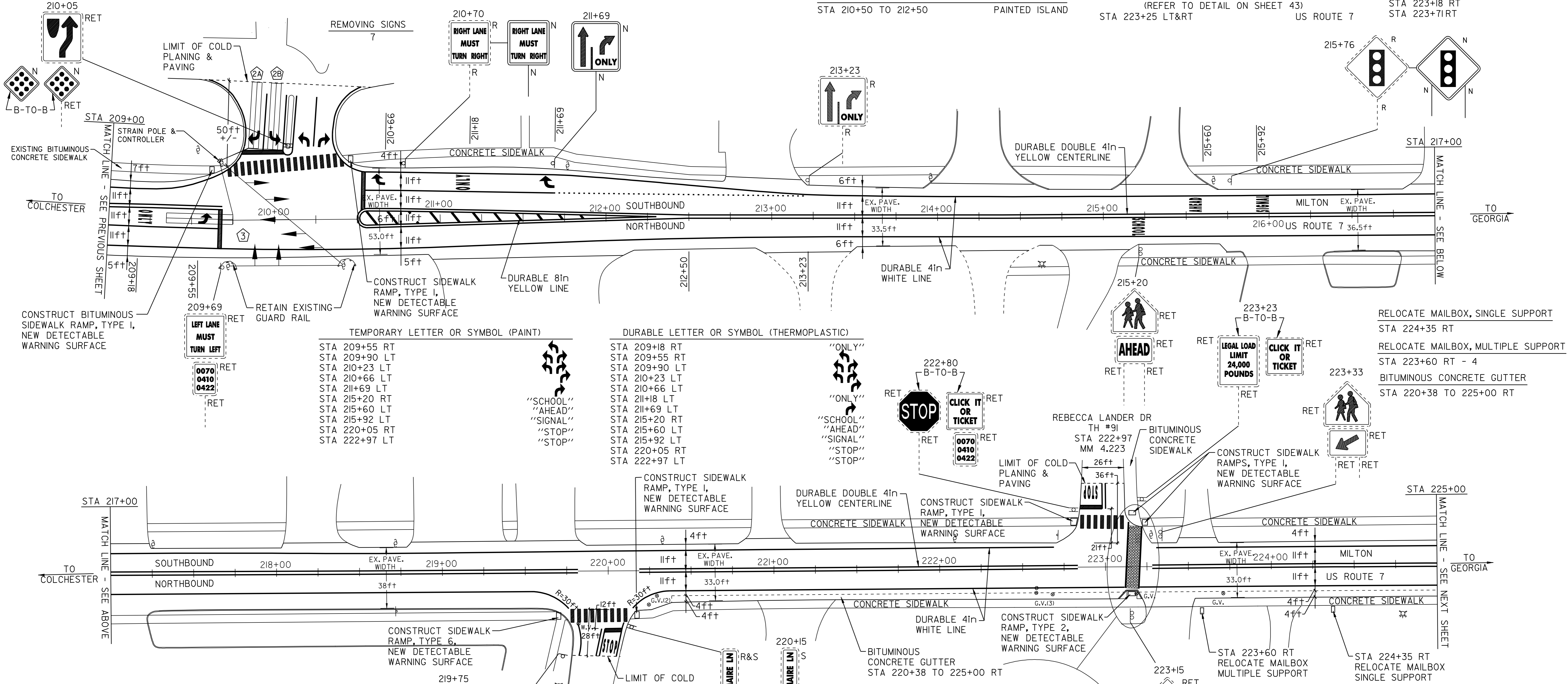
DURABLE 8in YELLOW LINE (THERMOPLASTIC)
 STA 210+50 TO 212+50 PAINTED ISLAND

DURABLE CROSSWALK (TYPE I TAPE)
 (REFER TO DETAIL ON SHEET 43)
 STA 209+70 TO 210+40 LT SHOPPING CENTER TH #77
 STA 220+05 RT TH #77
 STA 222+97 LT TH #91

DURABLE CROSSWALK MARKINGS, IMPRINTED/COLORIZED
 (REFER TO DETAIL ON SHEET 43)
 STA 223+25 LT&RT US ROUTE 7

ADJUST ELEVATION OF VALVE BOX
 STA 219+80 RT

ADJUST ELEVATION OF GAS VALVES
 (TO BE DONE BY OTHERS)
 STA 220+25 RT - 2
 STA 222+60 RT - 3
 STA 223+18 RT
 STA 223+71 RT



- LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-T-O-B = BACK TO BACK
 - ⊕ ⊞ ⊠ = CATCH BASIN/DI
 - ⊗ = EXISTING HYDRANT
 - ⊙ = EXISTING VALVE (WATER,GAS)
 - ⊙ S,E,T = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ = UTILITY POLE
 - ⊖ = DRIVE

VEHICLE LOOP DETECTOR
 (REFER TO SHEET 43 FOR NOTES ASSOCIATED WITH LOOP DETECTORS)
 STA 209+35 TO 209+75 RT
 STA 209+85 LT
 STA 210+00 LT

LOOP	SIZE (ft)	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE (uH)		RESISTANCE (ohms)		LEAKAGE TO GROUND (ft-ohms)	ESTIMATED QUANT. (ft)
				CALC.	ACT.	CALC.	ACT.		
2A	6x40	LONG-2	PRESENCE	344		0.64			157
2B	6x40	LONG-2	PRESENCE	350		0.70			177
3	6x40	LONG-2	PRESENCE	347		0.67			167

ALL CALCULATED VALUES ARE AT THE CONTROLLER, MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.

PAVING PROJECT LAYOUT SHEET #14

DESIGNED BY BCE/PJM DATE 8-06
 DRAWN BY C.E.A., INC. DATE 8-06
 DESIGN FILE NO. 05ci58.dgn
 PRF FILE 05ci58pl4.1 DATE PLOTTED 19-MAY-2009 12
 PROJ. NAME **MILTON - GEORGIA**
 PROJ. NO. **STP 2510(1)S**
 SHEET **22** OF **44** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)

STA 225+00 TO 241+00 SOLID LT&RT
 STA 230+20 DOUBLE SOLID LT
 STA 230+60 DOUBLE SOLID RT
 STA 236+64 DOUBLE SOLID RT
 STA 239+34 DOUBLE SOLID RT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)

STA 230+20 LT "STOP"
 STA 230+60 RT "STOP"
 STA 230+80 LT "SCHOOL"
 STA 236+64 RT "STOP"
 STA 239+34 RT "STOP"

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)

STA 225+00 TO 241+00 SOLID LT&RT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)

STA 230+20 LT TH #71
 STA 230+60 RT TH #33
 STA 236+64 RT TH #32
 STA 239+34 RT TH #32

REMOVING SIGNS
 9

CHANGE ELEVATION OF SEWER MANHOLE

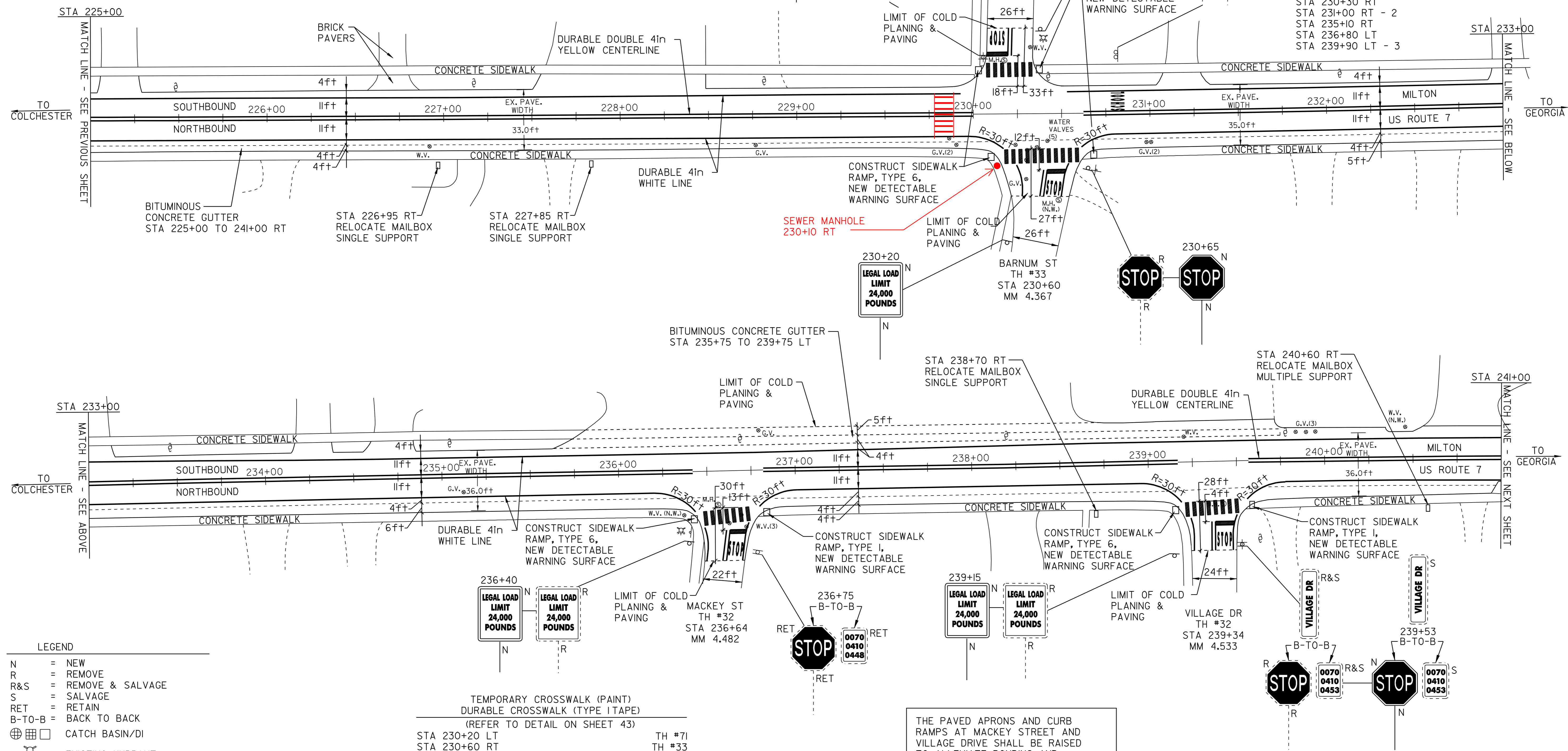
STA 230+17 LT
 STA 236+56 RT
 STA 239+42 RT

ADJUST ELEVATION OF VALVE BOX

STA 226+92 RT
 STA 230+60 RT - 5, LT - 1
 STA 236+65 RT - 3
 STA 239+20 LT

ADJUST ELEVATION OF GAS VALVES
 (TO BE DONE BY OTHERS)

STA 228+77 RT
 STA 229+88 RT - 2
 STA 230+30 RT
 STA 231+00 RT - 2
 STA 235+10 RT
 STA 236+80 LT
 STA 239+90 LT - 3



LEGEND

N = NEW
 R = REMOVE
 R&S = REMOVE & SALVAGE
 S = SALVAGE
 RET = RETAIN
 B-T-O-B = BACK TO BACK

☐ CATCH BASIN/DI
 ⚙ EXISTING HYDRANT
 ⊕ EXISTING VALVE (WATER,GAS)
 ○_{S,E,T} EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 ⚡ UTILITY POLE
 --- DRIVE

TEMPORARY CROSSWALK (PAINT)
 DURABLE CROSSWALK (TYPE I TAPE)
 (REFER TO DETAIL ON SHEET 43)

STA 230+20 LT TH #71
 STA 230+60 RT TH #33
 STA 236+64 RT TH #32
 STA 239+34 RT TH #32

RELOCATE MAILBOX, SINGLE SUPPORT

STA 226+95 RT
 STA 227+85 RT
 STA 238+70 RT

RELOCATE MAILBOX, MULTIPLE SUPPORT

STA 240+60 RT - 2

BITUMINOUS CONCRETE GUTTER
 (SEE DETAIL, SHEET 3)

STA 225+00 TO 241+00 RT
 STA 235+75 TO 239+75 LT

THE PAVED APRONS AND CURB RAMP AT MACKEY STREET AND VILLAGE DRIVE SHALL BE RAISED TO ALLEVIATE PONDING AND ALLOW FOR PROPER DRAINAGE.

- TO THE EXTENT POSSIBLE, THE LOW POINT AT THE INTERSECTIONS SHALL OCCUR AT THE BITUMINOUS GUTTER.

PAVING PROJECT LAYOUT SHEET #15

DESIGNED BY BCE/PJM DATE 8-06

DRAWN BY C.E.A., INC. DATE 8-06

DESIGN FILE NO. 05c158.dgn

PRF FILE 05c158p15.1 DATE PLOTTED 19-MAY-2009 12

PROJ. NAME **MILTON - GEORGIA**

PROJ. NO. **STP 2510(1)S**

SHEET **23** OF **44** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 241+00 TO 257+00 SOLID LT&RT
 STA 250+06 DOUBLE SOLID LT
 STA 255+46 DOUBLE SOLID RT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 241+00 TO 257+00 SOLID LT&RT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 STA 250+06 LT "STOP"
 STA 255+46 RT "STOP"

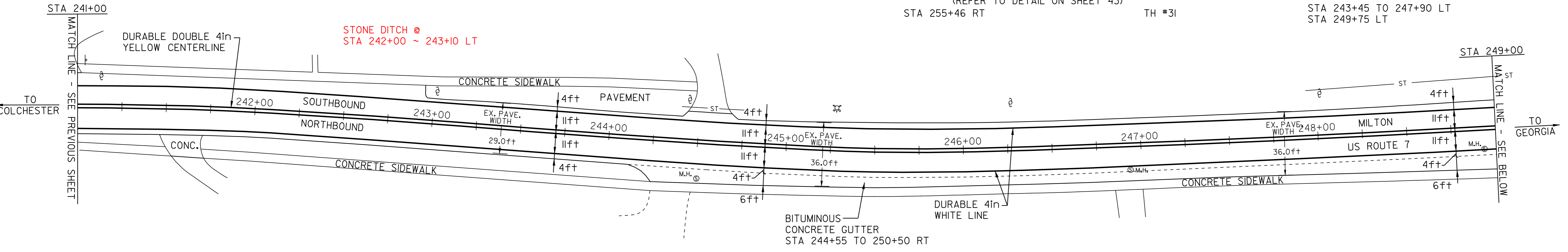
TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 250+06 LT TH #72
 STA 255+46 RT TH #31

REMOVING SIGNS
 6

CHANGE ELEVATION OF D.I.'S, C.B.'S, OR M.H.'S
 STA 249+07 RT
 STA 250+50 RT
 STA 251+70 RT
 STA 255+30 RT

TEMPORARY CROSSWALK (PAINT)
 DURABLE CROSSWALK (TYPE I TAPE)
 (REFER TO DETAIL ON SHEET 43)
 STA 255+46 RT TH #31

DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
 STA 243+45 TO 247+90 LT
 STA 249+75 LT

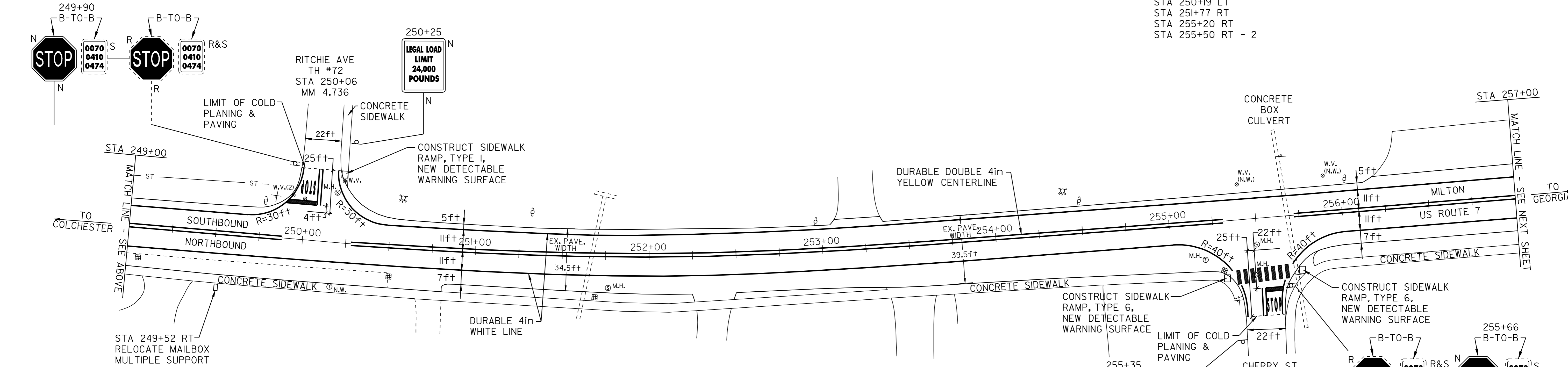


RELOCATE MAILBOX, MULTIPLE SUPPORT
 STA 249+52 RT - 3

BITUMINOUS CONCRETE GUTTER
 (SEE DETAIL, SHEET 3)
 STA 244+55 TO 250+50 RT

ADJUST ELEVATION OF VALVE BOX
 STA 250+00 LT - 3

CHANGE ELEVATION OF SEWER MANHOLE
 STA 244+50 RT
 STA 246+92 RT
 STA 248+94 RT
 STA 250+19 LT
 STA 251+77 RT
 STA 255+20 RT
 STA 255+50 RT - 2



- LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 - ⊕ □ CATCH BASIN/DI
 - ⊗ EXISTING HYDRANT
 - ⊙ EXISTING VALVE (WATER,GAS)
 - _{S,E,T} EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊘ UTILITY POLE
 - ⊘ DRIVE

PAVING PROJECT LAYOUT SHEET #16

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05c158.dgn		
PRF FILE	05c158pl6.l	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	24	OF	44 SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 257+00 TO 273+25 SOLID LT&RT
 STA 266+34 DOUBLE SOLID RT
 STA 273+00 DOUBLE SOLID LT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 257+00 TO 273+25 SOLID LT&RT
 (WITH EDGE LINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY LETTER OR SYMBOL (THERMOPLASTIC)
 STA 266+34 "STOP"
 STA 273+00 "STOP"

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 266+34 TH #2
 STA 273+00 TH #73

TEMPORARY CROSSWALK (PAINT)
 STA 265+65 LT&RT US ROUTE 7
 STA 265+90 TO 266+55 RT MAIN STREET INT.

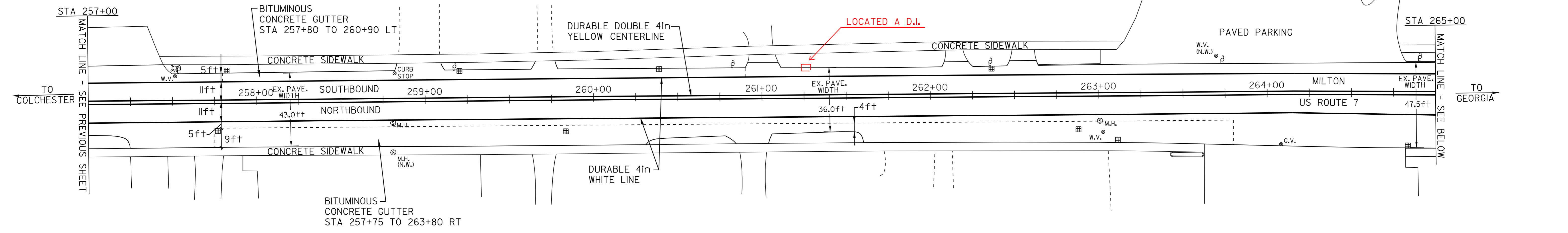
DURABLE CROSSWALK (TYPE I TAPE)
 (REFER TO DETAIL ON SHEET 43)
 STA 265+90 TO 266+55 RT MAIN STREET INT.

DURABLE CROSSWALK MARKINGS, IMPRINTED/COLORIZED
 (REFER TO DETAIL ON SHEET 43)
 STA 265+65 LT&RT US ROUTE 7

REMOVING SIGNS
 6

ADJUST ELEVATION OF VALVE BOX
 STA 257+50 LT
 STA 258+82 LT
 STA 263+00 RT
 STA 265+15 LT
 STA 266+40 LT - 3
 STA 266+78 LT

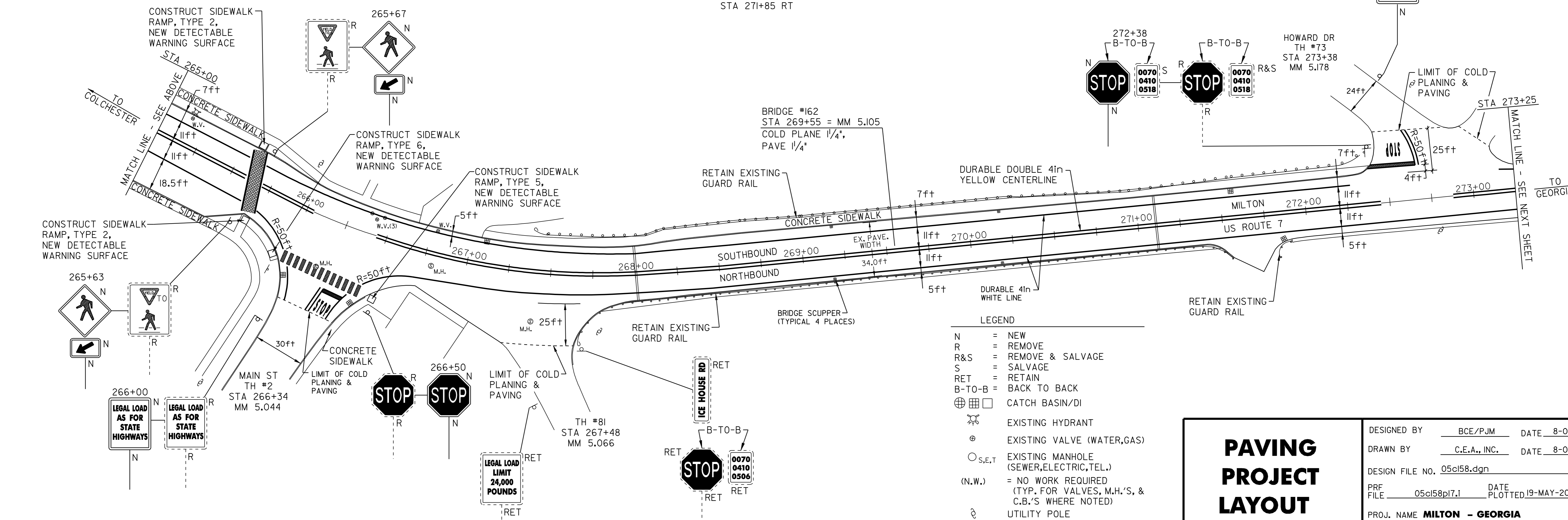
CHANGE ELEVATION OF SEWER MANHOLE
 STA 258+80 RT
 STA 263+00 RT
 STA 266+15 RT
 STA 266+78 RT
 STA 267+40 RT



BITUMINOUS CONCRETE GUTTER
 (SEE DETAIL, SHEET 3)
 STA 257+75 TO 263+80 RT
 STA 257+80 TO 260+90 LT

CHANGE ELEVATION OF D.I.'S, C.B.'S, OR M.H.'S
 STA 257+75 RT
 STA 259+83 RT
 STA 263+10 RT
 STA 264+85 RT
 STA 266+00 RT
 STA 266+42 RT
 STA 267+10 LT
 STA 271+57 LT
 STA 271+85 RT

REHABILITATION OF D.I.'S, C.B.'S, OR M.H.'S
 STA 257+80 LT
 STA 259+20 LT
 STA 260+40 LT
 STA 262+35 LT
 STA 262+90 RT



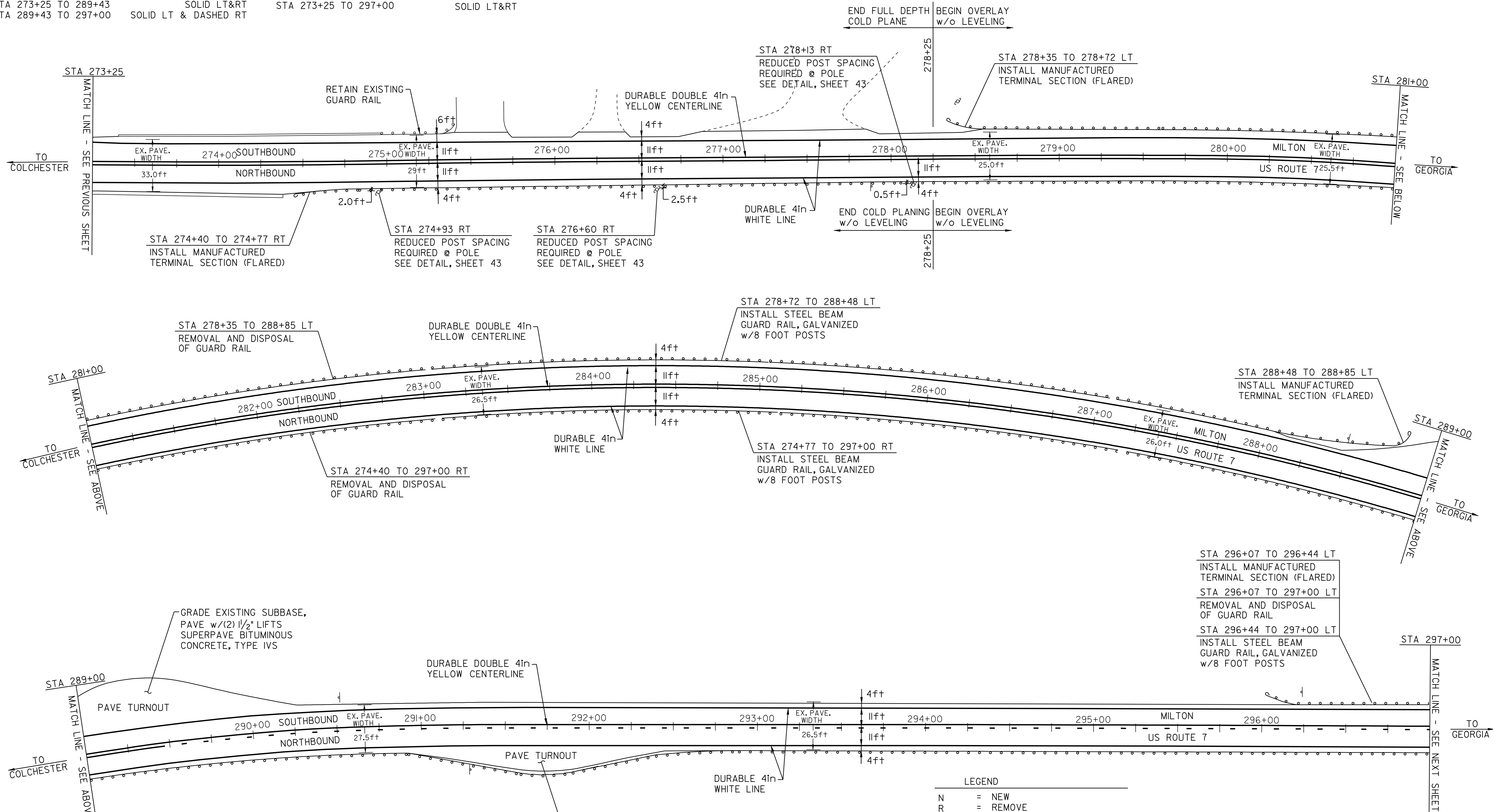
- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-T-O-B = BACK TO BACK
 - ☐ = CATCH BASIN/DI
 - ⊙ = EXISTING HYDRANT
 - ⊕ = EXISTING VALVE (WATER, GAS)
 - _{S.E.T.} = EXISTING MANHOLE (SEWER, ELECTRIC, TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ = UTILITY POLE
 - — — = DRIVE

PAVING PROJECT LAYOUT SHEET #17

DESIGNED BY BCE/PJM DATE 8-06
 DRAWN BY C.E.A., INC. DATE 8-06
 DESIGN FILE NO. 05cl58.dgn
 PRF FILE 05cl58pl7.l DATE PLOTTED 19-MAY-2009 12
 PROJ. NAME **MILTON - GEORGIA**
 PROJ. NO. **STP 2510(1)S**
 SHEET **25** OF **44** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 273+25 TO 289+43 SOLID LT&RT
 STA 289+43 TO 297+00 SOLID LT & DASHED RT

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 273+25 TO 297+00 SOLID LT&RT



- REMOVAL AND DISPOSAL OF GUARD RAIL
 STA 274+40 TO 297+00 RT
 STA 278+35 TO 288+85 LT
 STA 296+07 TO 297+00 LT
- STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS
 STA 274+77 TO 297+00 RT
 STA 278+72 TO 288+48 LT
 STA 296+44 TO 297+00 LT
- MANUFACTURED TERMINAL SECTION, FLARED
 STA 274+40 TO 274+77 RT
 STA 278+35 TO 278+72 LT
 STA 288+48 TO 288+85 LT
 STA 296+07 TO 296+44 LT

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
☐	=	CATCH BASIN/DI
⊕	=	EXISTING HYDRANT
⊙	=	EXISTING VALVE (WATER,GAS)
⊙ _{S,E,T}	=	EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
(N.W.)	=	NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
⊕	=	UTILITY POLE
⌋	=	DRIVE

PAVING PROJECT LAYOUT SHEET #18

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05c158.dgn		
PRF FILE	05c158p18.l	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	26	OF	44 SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
DURABLE 4in YELLOW LINE (THERMOPLASTIC)

STA 297+00 TO 297+15 SOLID LT & DASHED RT
STA 297+15 TO 302+47 DASHED
STA 302+47 TO 308+25 DASHED LT & SOLID RT
STA 308+25 TO 313+50 SOLID LT&RT
STA 310+30 SOLID LT&RT
STA 311+20 SOLID LT&RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
DURABLE 4in WHITE LINE (THERMOPLASTIC)

STA 297+00 TO 313+50 SOLID LT&RT
(WITH EDGE LINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY LETTER OR SYMBOL (PAINT)
DURABLE LETTER OR SYMBOL (THERMOPLASTIC)

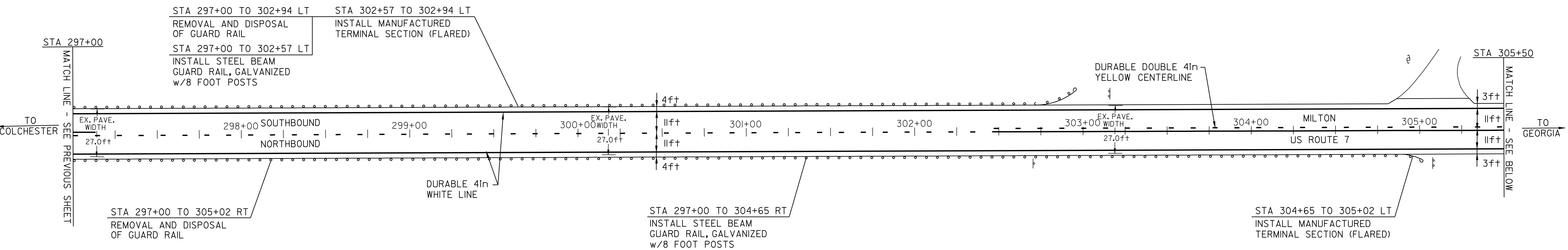
STA 310+30 LT "STOP"
STA 311+10 LT "STOP"
STA 311+25 LT ** 4 - ▼
** (REFER TO DETAIL ON SHEET 43) **

TEMPORARY 24in STOP BAR (PAINT)
DURABLE 24in STOP BAR (THERMOPLASTIC)

STA 310+30 LT "TH #3"
STA 311+10 LT "TH #3"

REMOVING SIGNS
4

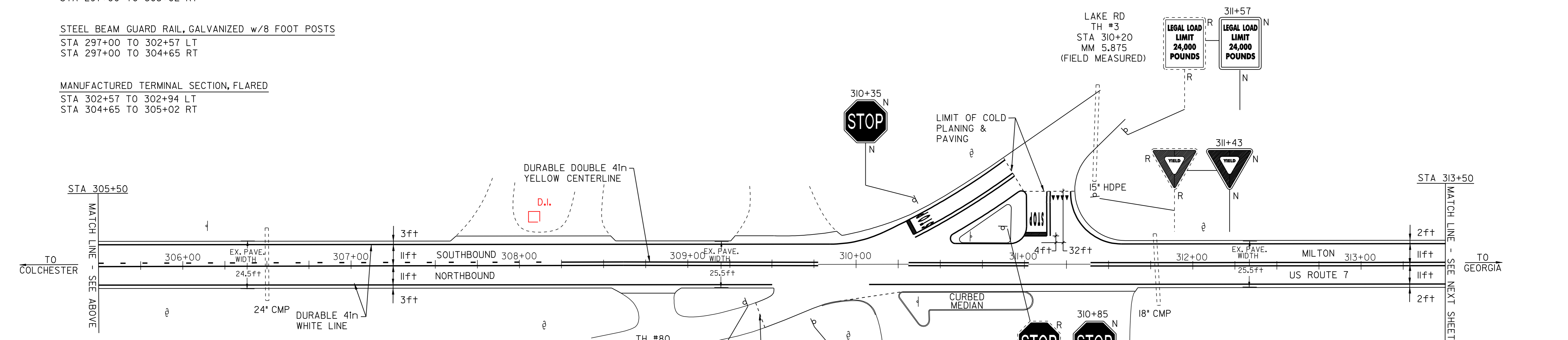
DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
STA 311+75 TO 313+50 LT



REMOVAL AND DISPOSAL OF GUARD RAIL
STA 297+00 TO 302+94 LT
STA 297+00 TO 305+02 RT

STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS
STA 297+00 TO 302+57 LT
STA 297+00 TO 304+65 RT

MANUFACTURED TERMINAL SECTION, FLARED
STA 302+57 TO 302+94 LT
STA 304+65 TO 305+02 RT



- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 - ⊕ □ = CATCH BASIN/DI
 - ⊗ = EXISTING HYDRANT
 - ⊕ = EXISTING VALVE (WATER,GAS)
 - _{S,E,T} = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊘ = UTILITY POLE
 - ⌋ = DRIVE

PAVING PROJECT LAYOUT SHEET #19

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05c158.dgn		
PRF FILE	05c158p19.1	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	27	OF	44 SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 313+50 TO 316+95 SOLID LT&RT
 STA 316+95 TO 324+10 SOLID LT & DASHED RT
 STA 324+10 TO 324+70 SOLID LT&RT
 STA 324+70 TO 331+77 DASHED LT & SOLID RT
 STA 331+77 TO 339+00 SOLID LT&RT
 STA 333+20 DOUBLE SOLID RT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 313+50 TO 339+00 SOLID LT&RT
 (WITH EDGE LINE BREAKS FOR TOWN HIGHWAYS)
 TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 STA 333+20 RT "STOP"
 TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 333+20 RT EDGEWATER TER.

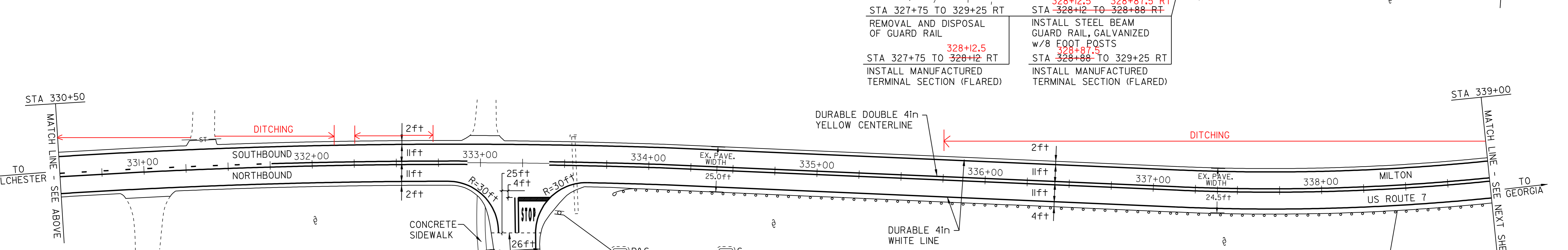
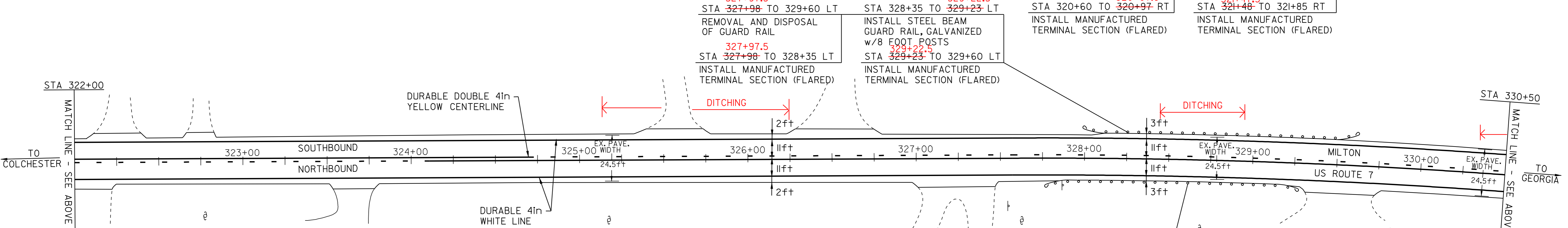
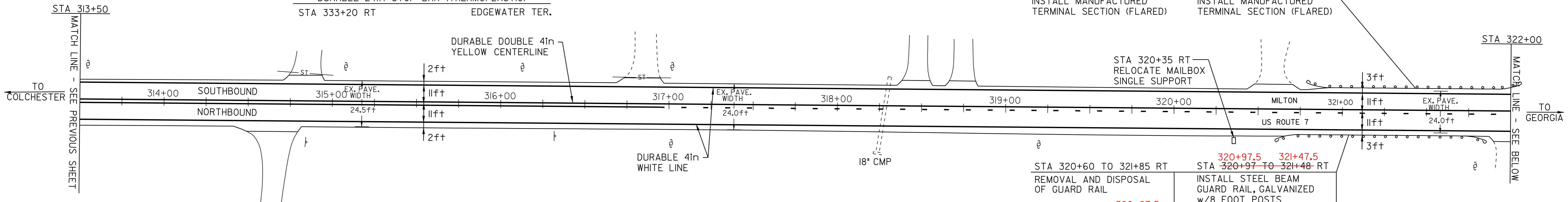
REMOVING SIGNS
 3

DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
 STA 313+50 TO 318+25 LT
 STA 334+25 TO 339+00 LT

RELOCATE MAILBOX, SINGLE SUPPORT
 STA 320+35 RT

320+92.5
 STA 320+80 TO 322+05 LT
 REMOVAL AND DISPOSAL OF GUARD RAIL
 320+92.5 321+30
 STA 320+80 TO 321+17 LT
 INSTALL MANUFACTURED TERMINAL SECTION (FLARED)

321+30 321+67.5
 STA 321+17 TO 321+68 LT
 INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS
 67.5
 STA 321+68 TO 322+05 LT
 INSTALL MANUFACTURED TERMINAL SECTION (FLARED)



MANUFACTURED TERMINAL SECTION, FLARED
 STA 320+60 TO 320+97 RT
 STA 320+80 TO 321+17 LT
 STA 321+48 TO 321+85 RT
 STA 321+68 TO 322+05 LT
 STA 327+75 TO 328+12 RT
 STA 327+98 TO 328+35 LT
 STA 328+88 TO 329+25 RT
 STA 329+23 TO 329+60 LT
 STA 333+80 TO 334+17 RT

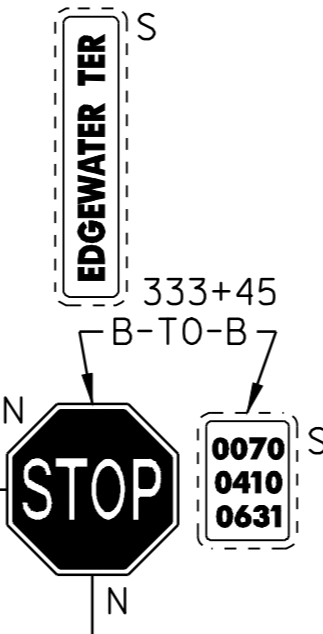
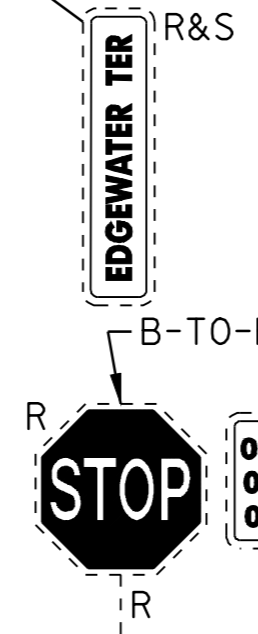
STEEL BEAM GUARD RAIL, GALVANIZED
 STA 334+17 TO 336+04 RT

REMOVAL AND DISPOSAL OF GUARD RAIL
 STA 320+60 TO 321+85 RT
 STA 320+80 TO 322+05 LT
 STA 327+75 TO 329+25 RT
 STA 327+98 TO 329+60 LT
 STA 334+05 TO 339+00 RT

STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS
 STA 320+97 TO 321+48 RT
 STA 321+17 TO 321+68 LT
 STA 328+12 TO 328+88 RT
 STA 328+35 TO 329+23 LT
 STA 336+04 TO 339+00 RT

333+05
 LEGAL LOAD LIMIT
 24,000 POUNDS

CONCRETE SIDEWALK
 EDGWATER TER TH #151
 STA 333+20 MM 6.311 (FIELD MEASURED)



- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 - ⊕ ⊞ ⊠ CATCH BASIN/DI
 - ⊕ EXISTING HYDRANT
 - ⊕ EXISTING VALVE (WATER,GAS)
 - ⊕ S,E,T EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ UTILITY POLE
 - ⊕ DRIVE

STA 334+05 TO 339+00 RT
 REMOVAL AND DISPOSAL OF GUARD RAIL
 STA 333+80 TO 334+17 RT
 INSTALL MANUFACTURED TERMINAL SECTION (FLARED)

STA 334+17 TO 336+04 RT
 INSTALL STEEL BEAM GUARD RAIL, GALVANIZED
 STA 336+04 TO 339+00 RT
 INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS

PAVING PROJECT LAYOUT SHEET #20

DESIGNED BY BCE/PJM DATE 8-06
 DRAWN BY C.E.A., INC. DATE 8-06
 DESIGN FILE NO. 05c158.dgn
 PRF FILE 05c158p20.I DATE PLOTTED 19-MAY-2009 12
 PROJ. NAME **MILTON - GEORGIA**
 PROJ. NO. **STP 2510(1)S**
 SHEET **28** OF **44** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
DURABLE 4in YELLOW LINE (THERMOPLASTIC)
STA 339+00 TO 364+50 SOLID LT&RT

TEMPORARY 4in WHITE LINE (PAINT)
DURABLE 4in WHITE LINE (THERMOPLASTIC)
STA 339+00 TO 364+50 SOLID LT&RT

CHANGE ELEVATION OF D.I.'S, C.B.'S, OR M.H.'S
STA 344+40 LT

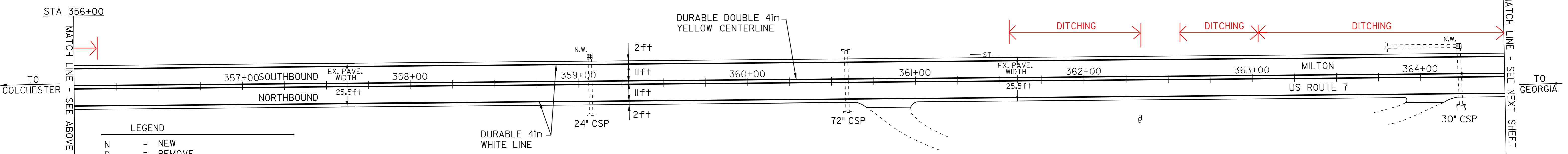
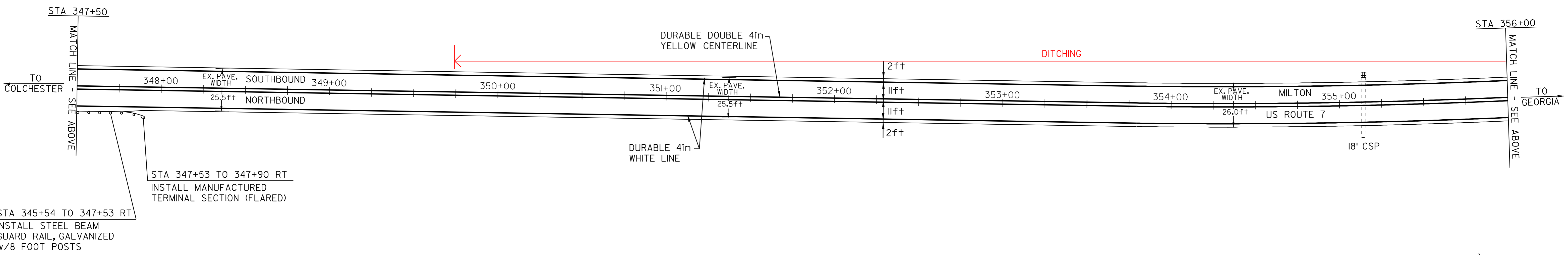
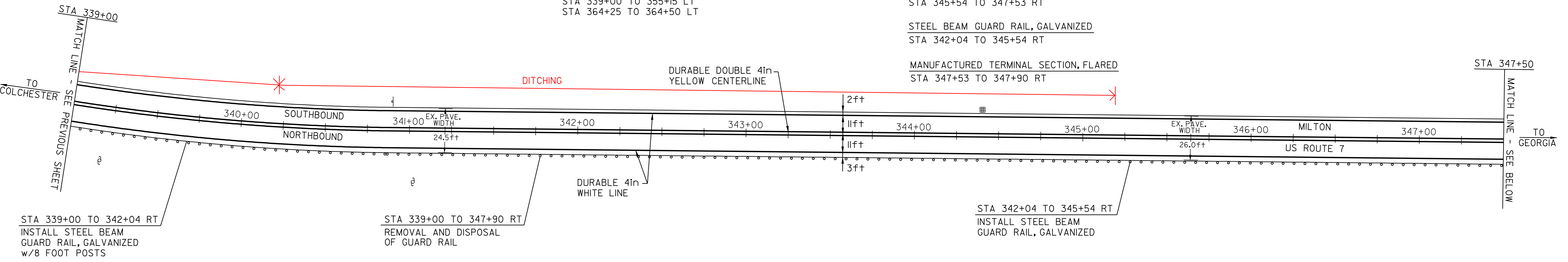
REMOVAL AND DISPOSAL OF GUARD RAIL
STA 339+00 TO 347+90 RT

DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
STA 339+00 TO 355+15 LT
STA 364+25 TO 364+50 LT

STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS
STA 339+00 TO 342+04 RT
STA 345+54 TO 347+53 RT

STEEL BEAM GUARD RAIL, GALVANIZED
STA 342+04 TO 345+54 RT

MANUFACTURED TERMINAL SECTION, FLARED
STA 347+53 TO 347+90 RT



- LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 - ☐ ⊕ ⊗ ⊙ = CATCH BASIN/DI
 - ☼ = EXISTING HYDRANT
 - ⊕ = EXISTING VALVE (WATER,GAS)
 - ⊙_{S,E,T} = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ = UTILITY POLE
 - ⌋---⌋ = DRIVE

PAVING PROJECT LAYOUT SHEET #21

DESIGNED BY BCE/PJM DATE 8-06

DRAWN BY C.E.A., INC. DATE 8-06

DESIGN FILE NO. 05c158.dgn

PRF FILE 05c158p2Li DATE PLOTTED 19-MAY-2009 12

PROJ. NAME **MILTON - GEORGIA**

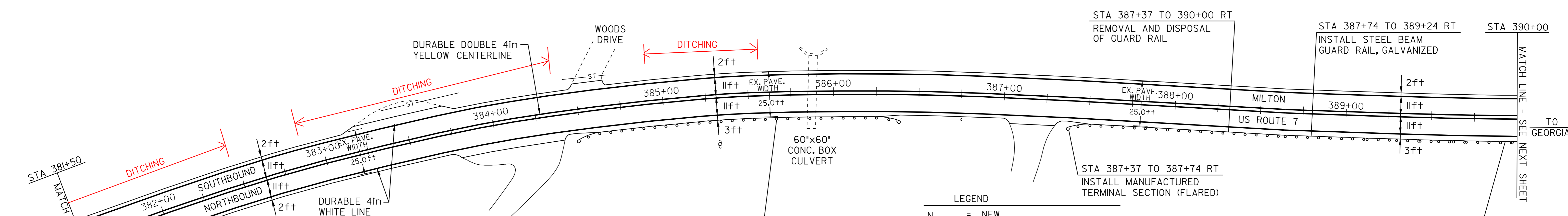
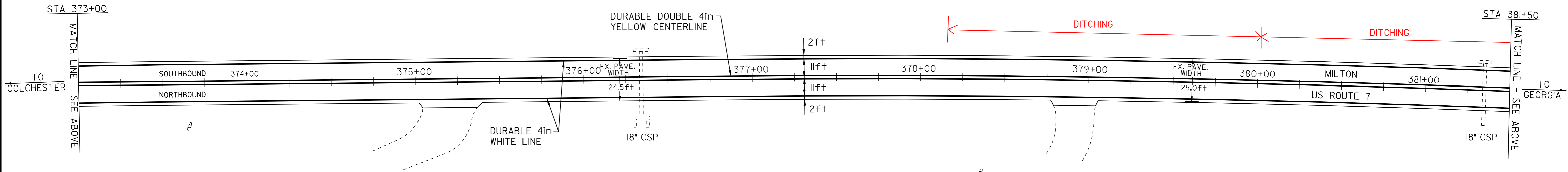
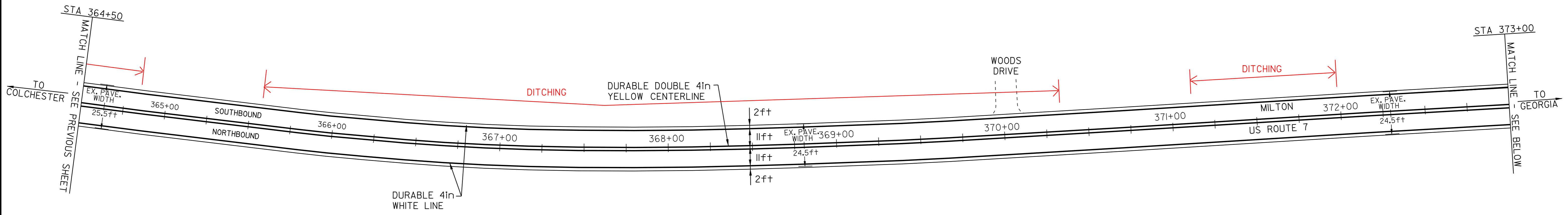
PROJ. NO. **STP 2510(1)S**

SHEET **29** OF **44** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
DURABLE 4in YELLOW LINE (THERMOPLASTIC)
STA 364+50 TO 390+00
SOLID LT&RT

TEMPORARY 4in WHITE LINE (PAINT)
DURABLE 4in WHITE LINE (THERMOPLASTIC)
STA 364+50 TO 390+00
SOLID LT&RT

DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
STA 364+50 TO 384+50 LT



STA 384+50 TO 386+38 RT REMOVAL AND DISPOSAL OF GUARD RAIL	STA 384+87 TO 386+0IRT INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS
STA 384+50 TO 384+87 RT INSTALL MANUFACTURED TERMINAL SECTION (FLARED)	STA 386+0IT TO 386+38 RT INSTALL MANUFACTURED TERMINAL SECTION (FLARED)

- LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 - ☐ = CATCH BASIN/DI
 - ⊕ = EXISTING HYDRANT
 - ⊙ = EXISTING VALVE (WATER,GAS)
 - _{S,E,T} = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ = UTILITY POLE
 - = DRIVE

<u>MANUFACTURED TERMINAL SECTION, FLARED</u> STA 384+50 TO 384+87 RT STA 386+0IT TO 386+38 RT STA 387+37 TO 387+74 RT	<u>REMOVAL AND DISPOSAL OF GUARD RAIL</u> STA 384+50 TO 386+38 RT STA 387+37 TO 390+00 RT	<u>STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS</u> STA 384+87 TO 386+0IRT STA 389+24 TO 390+00 RT	<u>STEEL BEAM GUARD RAIL, GALVANIZED</u> STA 387+74 TO 389+24 RT
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STA 387+37 TO 390+00 RT REMOVAL AND DISPOSAL OF GUARD RAIL	STA 387+74 TO 389+24 RT INSTALL STEEL BEAM GUARD RAIL, GALVANIZED	STA 390+00 MATCH LINE - SEE NEXT SHEET
STA 387+37 TO 387+74 RT INSTALL MANUFACTURED TERMINAL SECTION (FLARED)	STA 389+24 TO 390+00 RT INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS	

PAVING PROJECT LAYOUT SHEET #22

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05c158.dgn		
PRF FILE	05c158p22.i	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	30	OF	44 SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
DURABLE 4in YELLOW LINE (THERMOPLASTIC)

TOWN OF MILTON
STA 390+00 TO 413+42

TOWN OF GEORGIA
STA 0+00 TO 2+50

SOLID LT&RT
SOLID LT&RT

TEMPORARY 4in WHITE LINE (PAINT)
DURABLE 4in WHITE LINE (THERMOPLASTIC)

TOWN OF MILTON
STA 390+00 TO 413+42

TOWN OF GEORGIA
STA 0+00 TO 2+50

SOLID LT&RT
SOLID LT&RT

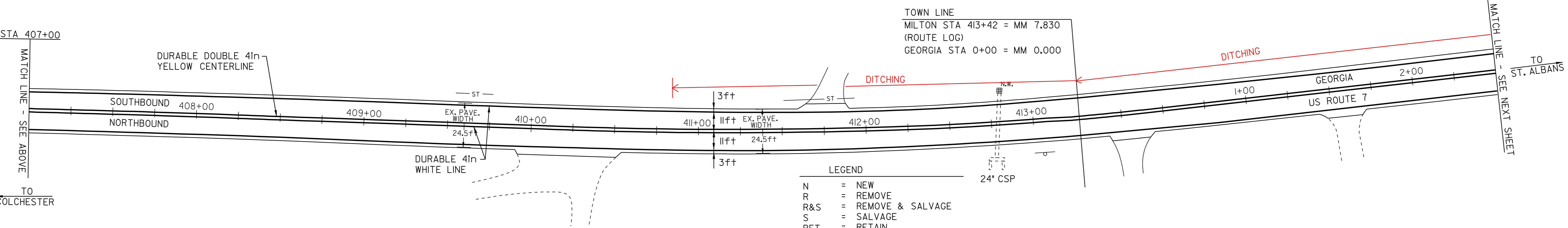
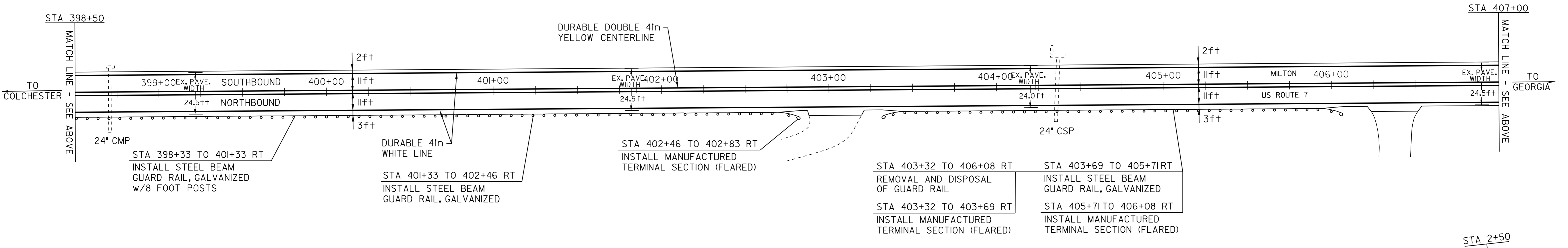
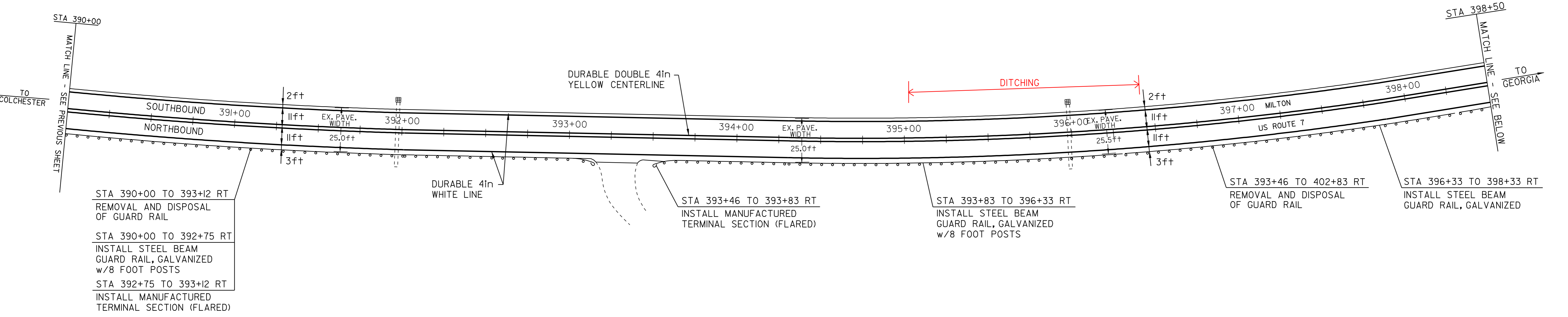
CHANGE ELEVATION OF D.I.'S, C.B.'S, OR M.H.'S

STA 391+97 LT
STA 396+00 LT

DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)

TOWN OF MILTON
STA 404+50 TO 413+25 LT

TOWN OF GEORGIA
STA 0+00 TO 2+50 LT



- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 - ☐ = CATCH BASIN/DI
 - ⊗ = EXISTING HYDRANT
 - ⊕ = EXISTING VALVE (WATER,GAS)
 - S,E,T = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ = UTILITY POLE
 - = DRIVE

- MANUFACTURED TERMINAL SECTION, FLARED
- STA 392+75 TO 393+12 RT
 - STA 393+46 TO 393+83 RT
 - STA 402+46 TO 402+83 RT
 - STA 403+32 TO 403+69 RT
 - STA 405+71 TO 406+08 RT
- REMOVAL AND DISPOSAL OF GUARD RAIL
- STA 390+00 TO 393+12 RT
 - STA 393+46 TO 402+83 RT
 - STA 403+32 TO 406+08 RT
- STEEL BEAM GUARD RAIL, GALVANIZED w/8 FOOT POSTS
- STA 390+00 TO 392+75 RT
 - STA 393+83 TO 396+33 RT
 - STA 398+33 TO 401+33 RT
- STEEL BEAM GUARD RAIL, GALVANIZED
- STA 396+33 TO 398+33 RT
 - STA 401+33 TO 402+46 RT
 - STA 403+69 TO 405+71 RT

PAVING PROJECT LAYOUT SHEET #23

DESIGNED BY BCE/PJM DATE 8-06

DRAWN BY C.E.A., INC. DATE 8-06

DESIGN FILE NO. 05ci58.dgn

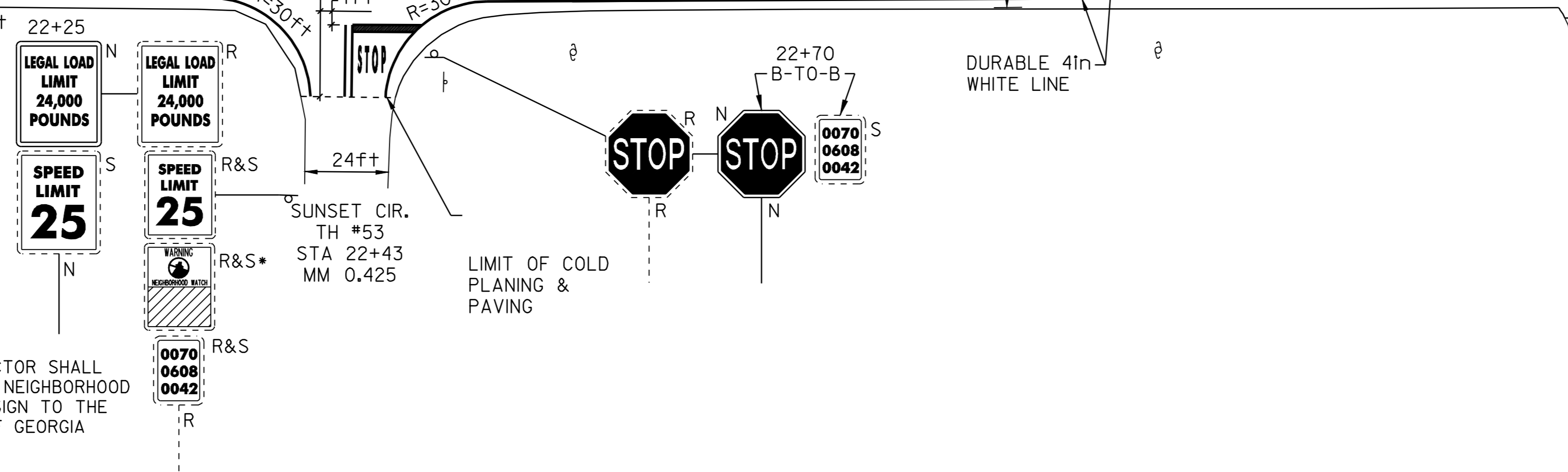
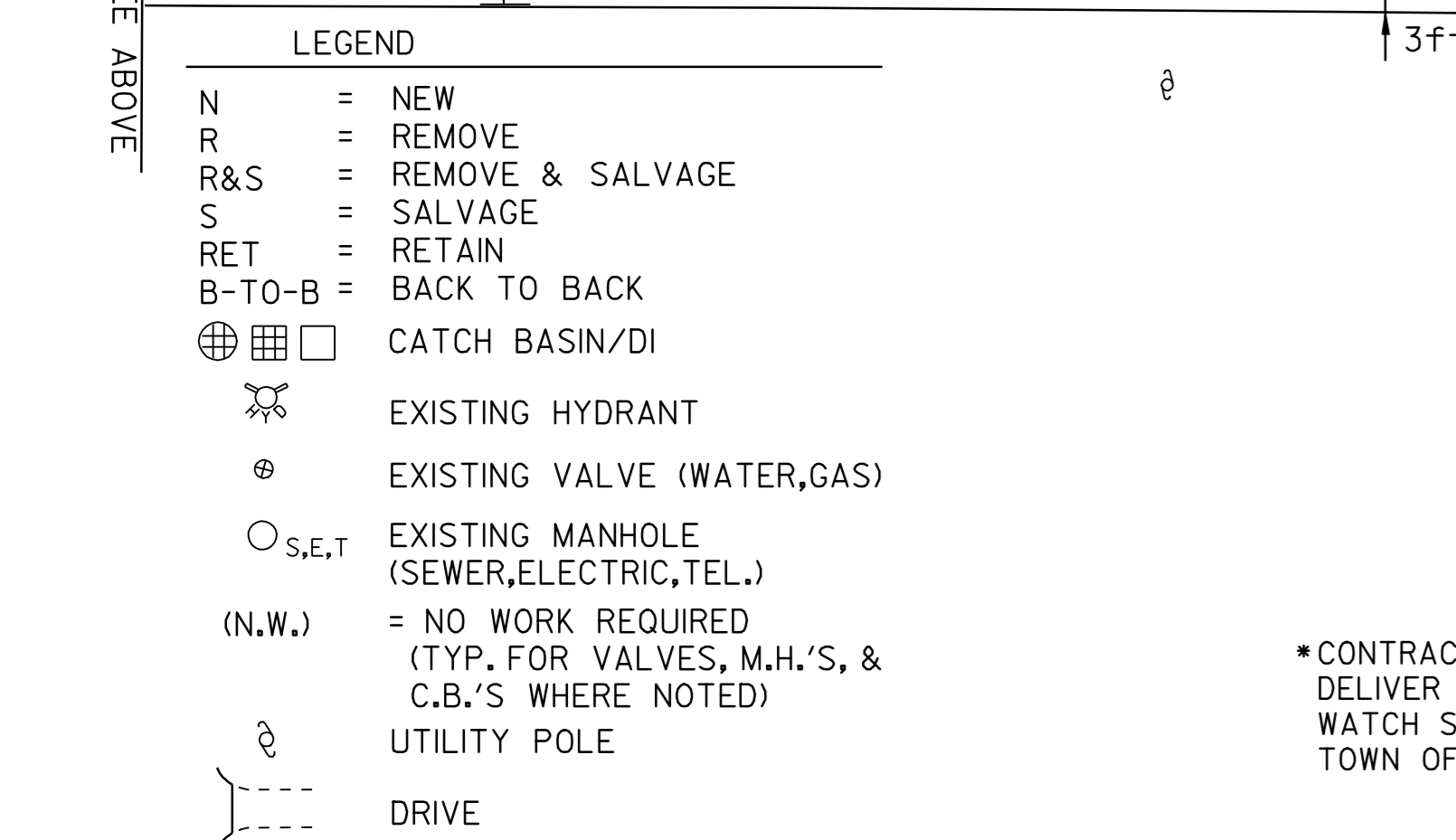
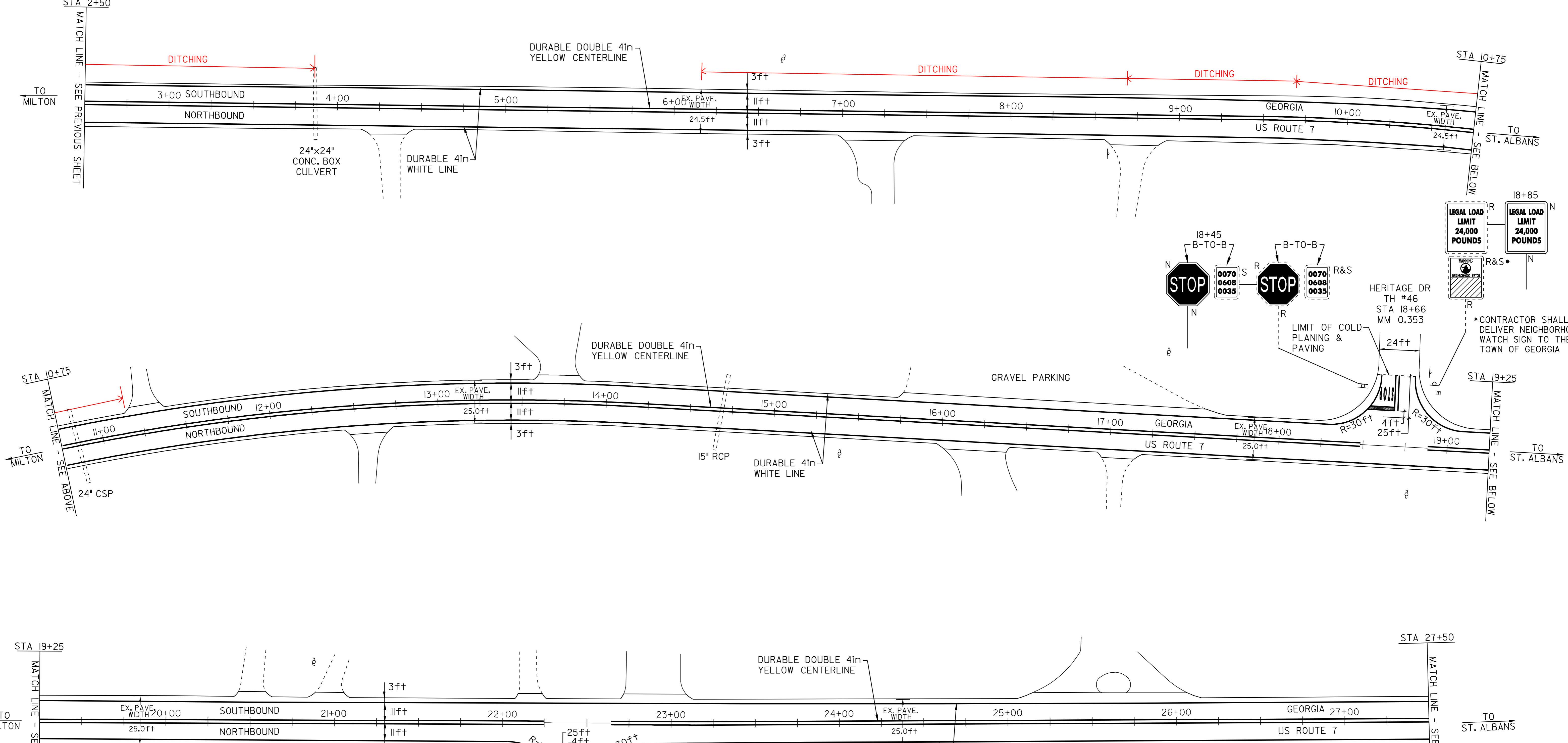
PRF FILE 05ci58p23.i DATE PLOTTED 19-MAY-2009 12

PROJ. NAME **MILTON - GEORGIA**

PROJ. NO. **STP 2510(1)S**

SHEET **31** OF **44** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT) DURABLE 4in YELLOW LINE (THERMOPLASTIC)	TEMPORARY 4in WHITE LINE (PAINT) DURABLE 4in WHITE LINE (THERMOPLASTIC)	TEMPORARY LETTER OR SYMBOL (PAINT) DURABLE LETTER OR SYMBOL (THERMOPLASTIC)	TEMPORARY 24in STOP BAR (PAINT) DURABLE 24in STOP BAR (THERMOPLASTIC)	REMOVING SIGNS	DITCHING LOCATIONS (REFER TO SHEET 8 FOR DETAILS)
STA 2+50 TO 27+50 STA 18+66 STA 22+43 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)	SOLID LT&RT DOUBLE SOLID LT DOUBLE SOLID RT	STA 18+66 LT STA 22+43 RT	"STOP" "STOP"	TH #46 TH #53	STA 2+50 TO 10+75 LT



PAVING PROJECT LAYOUT SHEET #24

DESIGNED BY	BCE/PJM	DATE	8-06
DRAWN BY	C.E.A., INC.	DATE	8-06
DESIGN FILE NO.	05cl58.dgn		
PRF FILE	05cl58p24.i	DATE PLOTTED	19-MAY-2009 12
PROJ. NAME	MILTON - GEORGIA		
PROJ. NO.	STP 2510(1)S		
SHEET	32	OF	44 SHEETS

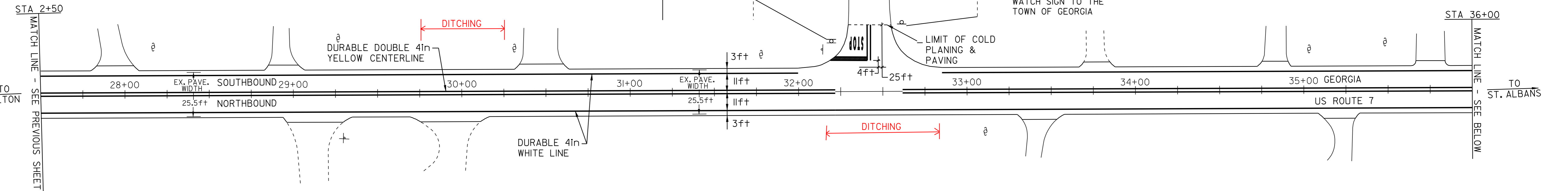
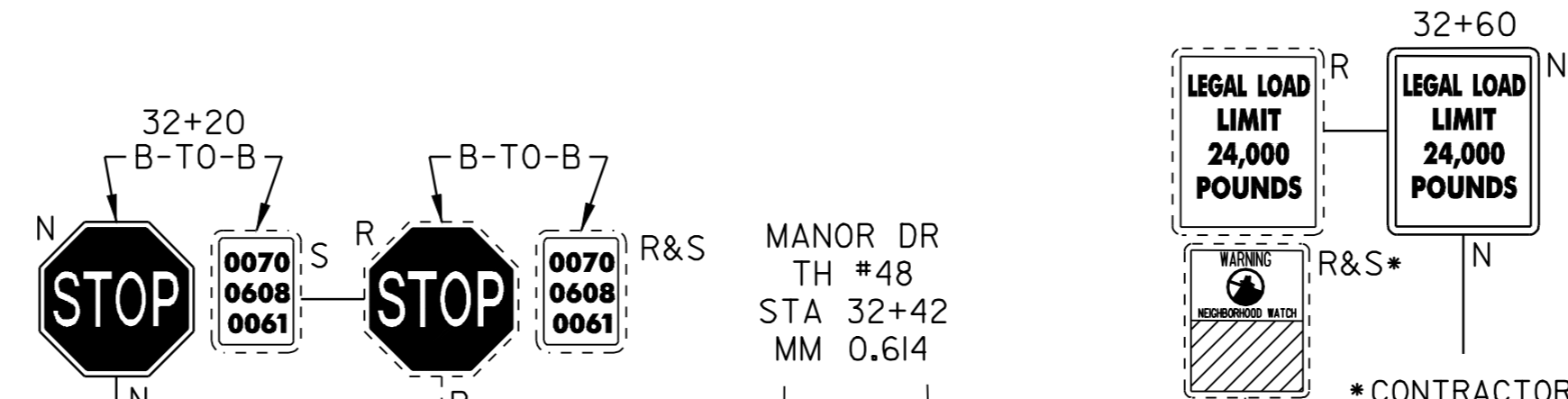
*CONTRACTOR SHALL DELIVER NEIGHBORHOOD WATCH SIGN TO THE TOWN OF GEORGIA

*CONTRACTOR SHALL DELIVER NEIGHBORHOOD WATCH SIGN TO THE TOWN OF GEORGIA

TEMPORARY 4in YELLOW LINE (PAINT)
 DURABLE 4in YELLOW LINE (THERMOPLASTIC)
 STA 2+50 TO 47+47
 SOLID LT&RT
 DOUBLE SOLID LT
 DOUBLE SOLID RT
 DOUBLE SOLID LT
 (WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

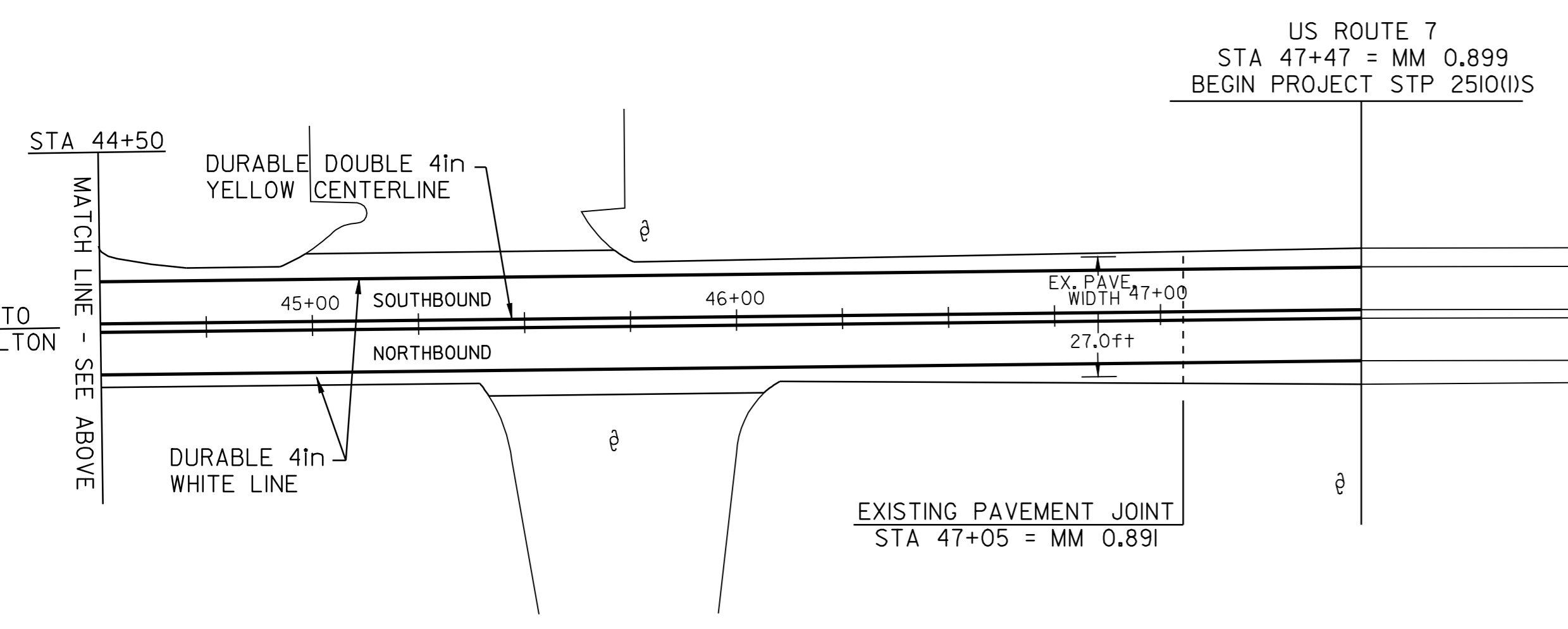
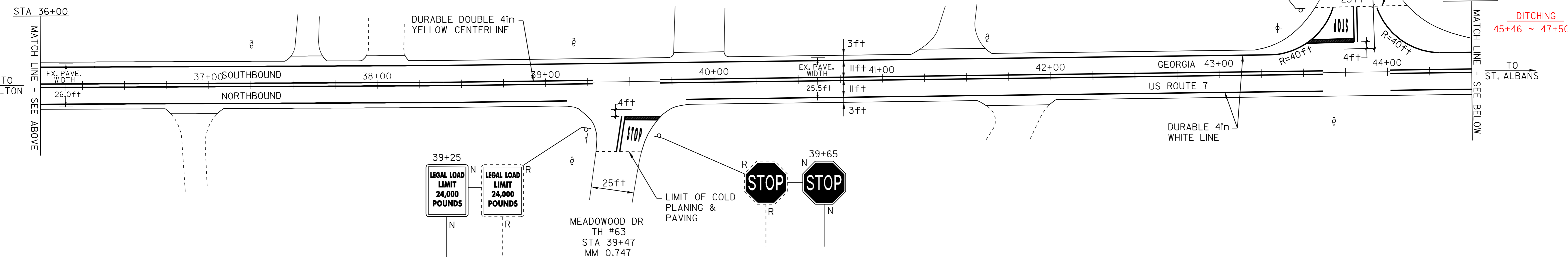
TEMPORARY 4in WHITE LINE (PAINT)
 DURABLE 4in WHITE LINE (THERMOPLASTIC)
 STA 2+50 TO 47+47
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)
 SOLID LT&RT

REMOVING SIGNS
 7



TEMPORARY LETTER OR SYMBOL (PAINT)
 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 STA 32+42 LT "STOP"
 STA 39+47 RT "STOP"
 STA 43+80 LT "STOP"

TEMPORARY 24in STOP BAR (PAINT)
 DURABLE 24in STOP BAR (THERMOPLASTIC)
 STA 32+42 LT TH #48
 STA 39+47 RT TH #63
 STA 43+80 LT TH #6



- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 - ☐ = CATCH BASIN/DI
 - ⊗ = EXISTING HYDRANT
 - ⊕ = EXISTING VALVE (WATER,GAS)
 - _{S,E,T} = EXISTING MANHOLE (SEWER,ELECTRIC,TEL.)
 - (N.W.) = NO WORK REQUIRED (TYP. FOR VALVES, M.H.'S, & C.B.'S WHERE NOTED)
 - ⊕ = UTILITY POLE
 - = DRIVE

PAVING PROJECT LAYOUT SHEET #25

DESIGNED BY BCE/PJM DATE 8-06
 DRAWN BY C.E.A., INC. DATE 8-06
 DESIGN FILE NO. 05c158.dgn
 PRF FILE 05c158p25.i DATE PLOTTED 19-MAY-2009 12
 PROJ. NAME **MILTON - GEORGIA**
 PROJ. NO. **STP 2510(1)S**
 SHEET **33** OF **44** SHEETS

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL			
		E	A	WIDTH (in)	HEIGHT (in)	"A"	"B"			SALV SIGN	SALV TIS	FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM (in)			TUBULAR STEEL (in)				W-SHAPE STEEL			DETAIL ON SHEET NUMBER	STD. SHEET NUMBER	
												lb/ft	lb/ft	lb/ft	1.75	2.0	2.5	3.0	4.0	4.0 MOD.	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT			POST SIZE

OPTION ITEMS																														
30+65 RT		1	24	30	5.0	1				1			X																REFER TO STANDARD E-121 FOR PLACEMENT.	E-141
						1																						SIGN TO BE MOUNTED USING POST TOP MOUNTING BRACKET.		
31+20 RT		1	30	30	6.25	2				1			X															BACK TO BACK	E-143	
						1																						SIGN TO BE MOUNTED USING POST TOP MOUNTING BRACKET.		
39+20 LT		1	30	30	6.25	2				1			X															BACK TO BACK	E-143	
39+55 LT		1	24	30	5.0					1			X																	E-144
		2	18	18	4.5	1																						BACK TO BACK	E-150	
39+85 LT		1	24	30	5.0	1				1			X															REFER TO STANDARD E-121 FOR PLACEMENT.	E-141	
																												SIGN TO BE MOUNTED USING POST TOP MOUNTING BRACKET.		
49+47 LT		1	30	30	6.25	1				1			X															BACK TO BACK	E-143	
49+47 RT		1	24	30	5.0	1				1			X															REFER TO STANDARD E-121 FOR PLACEMENT.	E-141	
		1	30	30	6.25	1																							43	
																												SIGN TO BE MOUNTED USING POST TOP MOUNTING BRACKET.		
49+77 RT		1	30	30	6.25	1				1			X																	E-143
49+83 LT		1	24	30	5.0	1				1			X															REFER TO STANDARD E-121 FOR PLACEMENT.	E-141	
61+86 RT		1	24	30	5.0	1				1			X															REFER TO STANDARD E-121 FOR PLACEMENT.	E-141	
62+25 RT		1	30	30	6.25	1				1			X																	E-143

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."		SF	SF	EA.	SF		LF	LF	LF	LF	LF	LF	EA.	LB	LB	LB	EA.	LB	LB	LB	EA.	EA.	LB						
	SHEET TOTALS	72.0	16	7			165																						

TRAFFIC SIGN SUMMARY SHEET #2	PROJECT: MILTON - GEORGIA	PROJECT NO.: STP 2510(1)S
	DESIGN FILE NAME: 05cl58.dgn	PLOT DATE: 19-MAY-2009 12:23
	IPARM FILE NAME: 05cl58ts2.1	SURVEY DATE:
	SURVEYED BY:	DRAWN BY: C.E.A., INC.
	SQUAD LEADER:	SHEET: 35 OF 44

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL			
		E	A	WIDTH (in)	HEIGHT (in)	"A"	"B"			SALV SIGN	SALV TIS	FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM (in)			TUBULAR STEEL (in)				W-SHAPE STEEL			DETAIL ON SHEET NUMBER	STD. SHEET NUMBER	
												lb/ft	lb/ft	lb/ft	1.75	2.0	2.5	3.0	4.0	4.0 MOD.	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT			POST SIZE

OPTION ITEMS																														
78+25 RT		1	24	30	5.0	1			1			X																	REFER TO STANDARD E-121 FOR PLACEMENT.	E-141
78+60 RT		1	30	30	6.25	2			1			X																		E-143
62+25	WARNING					1																								
92+13 RT		1	24	30	5.0	1			1			X																	REFER TO STANDARD E-121 FOR PLACEMENT.	E-141
92+54 RT		1	30	30	6.25	2			1			X																	BACK TO BACK	E-143
ADDED 117+00 LT						1						14																	SIGN TO BE MOUNTED USING POST TOP MOUNTING BRACKET.	
124+35 LT		1	30	30	6.25	1			1			X																		E-143
129+20 RT		1	24	30	5.0	1			1			X																	REFER TO STANDARD E-121 FOR PLACEMENT.	E-141
129+50 LT		1	30	30	6.25	2			1			X																	BACK TO BACK	E-143
ADDED 134+75 LT						1						14, 14																	SIGN TO BE MOUNTED USING POST TOP MOUNTING BRACKET.	
129+55 RT		1	30	30	6.25	2			1			X																	BACK TO BACK	E-143
129+95 LT		1	24	30	5.0	1			1			X																	REFER TO STANDARD E-121 FOR PLACEMENT.	E-141
	NO THRU TRUCKS					1																								
134+95 LT		1	30	30	6.25	2			1			X																	BACK TO BACK	E-143
135+00 LT		1	24	30	5.0				1			X																	REFER TO STANDARD E-121 FOR PLACEMENT.	E-141
140+50 LT		1	30	30	6.25	2			1			X																	BACK TO BACK	E-143
140+85 LT		1	24	30	5.0	1			1			X																	REFER TO STANDARD E-121 FOR PLACEMENT.	E-141

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."	SF	SF	EA.	SF		LF	LF	LF	LF	LF	LF	EA.	LB	LB	LB	EA.	LB	LB	LB	EA.	EA.	LB
	SHEET TOTALS	73.75	24	9	7		224	195			195											

TRAFFIC SIGN SUMMARY SHEET #3	PROJECT: MILTON - GEORGIA	PROJECT NO.: STP 2510(1)S
	DESIGN FILE NAME: 05cl58.dgn	PLOT DATE: 19-MAY-2009 12:23
	IPARM FILE NAME: 05cl58+s3.1	SURVEY DATE:
	SURVEYED BY:	DRAWN BY: C.E.A., INC.
	SQUAD LEADER:	SHEET: 36 OF 44

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RETAIN	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL	
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			SALV TIS	FLANGED CHANNEL			SQUARE STEEL (In)			TUBULAR ALUMINUM (In)			TUBULAR STEEL (In)				W-SHAPE STEEL			DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
											lb/ft	lb/ft	lb/ft	1.75	2.0	2.5	3.0	4.0	4.0 MOD.	FOUNDATION	3.0	3.5	4.0	5.0	FTG. SIZE			

OPTION ITEMS																														
147+75 LT		1	30	30	6.25	2	1			1			X		X													BACK TO BACK	E-143	
148+10 LT		1	24	30	5.0					1			X		X													REFER TO STANDARD E-121 FOR PLACEMENT.	E-141	
164+85 LT		1	30	30	6.25	1	1			1			X		X													SIGN TO BE MOUNTED USING POST TOP MOUNTING BRACKET.	E-143	
165+15 LT		1	24	30	5.0					1			X		X													REFER TO STANDARD E-121 FOR PLACEMENT.	E-141	
184+00 RT		1	24	30	5.0	1				1			X		X													REFER TO STANDARD E-121 FOR PLACEMENT.	E-141	
184+45 RT		1	30	30	6.25	1				1			X		X														E-143	
187+85 RT		1	30	30	6.25	1				1			X		X													MIRROR IMAGE OF VR-921	E-145A	
189+67 RT		1	30	30	6.25	1				1			X		X														E-140	
190+10 LT		1	30	30	6.25	2	1			1			X		X													BACK TO BACK	E-143	
190+80 LT		1	24	30	5.0					1			X		X													REFER TO STANDARD E-121 FOR PLACEMENT.	E-141	
191+46 LT		1	30	30	6.25					1			X		X														E-140	
192+35 LT		1	48	30	10.0					2			X		X														E-145B	
194+20 193+88	CENTRE DR. PED					1																								
193+70 RT		1	24	30	5.0					1			X		X														REFER TO STANDARD E-121 FOR PLACEMENT.	E-141

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."	SF	SF	EA.	SF		LF	LF	LF	LF	LF	LF	EA.	LB	LB	LB	EA.	LB	LB	LB	EA.	EA.	LB
	SHEET TOTALS	78.75	13	4			196				210											

TRAFFIC SIGN SUMMARY SHEET #4	PROJECT: MILTON - GEORGIA	PROJECT NO.: STP 2510(1)S
	DESIGN FILE NAME: 05cl58.dgn	PLOT DATE: 19-MAY-2009 12:23
	IPARM FILE NAME: 05cl58+ts4.1	SURVEY DATE:
	SURVEYED BY:	DRAWN BY: C.E.A., INC.
	SQUAD LEADER:	SHEET: 37 OF 44

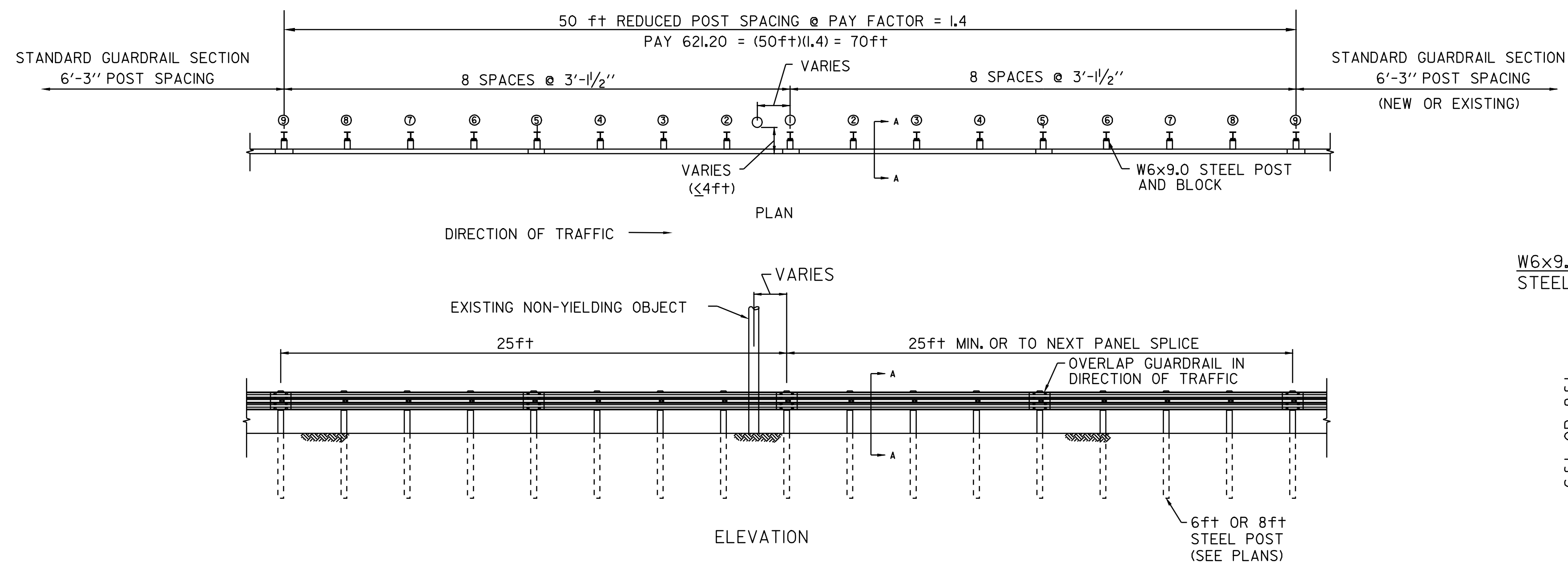
KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RETAIN	NO. OF POSTS	NEW SIGN POSTS																				REMARKS	SIGN DETAIL	
		E	A	WIDTH (In)	HEIGHT (In)	"A"	"B"			SALV SIGN	SALV TIS	FLANGED CHANNEL			SQUARE STEEL (In)			TUBULAR ALUMINUM (In)			TUBULAR STEEL (In)				W-SHAPE STEEL			NO. OF REBAR	DUMP CORR		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD.	3.0	3.5	4.0	5.0	FTG. SIZE	WEIGHT	POST SIZE					

OPTION ITEMS																													
32+20 LT		1	30	30	6.25	2	1		1			X		X														BACK TO BACK	E-143
32+60 LT		1	24	30	5.0	1			1			X		X														REFER TO STANDARD E-121 FOR PLACEMENT.	E-141
32+60	WARNING UNDER GROUND					1																							
39+25 RT		1	24	30	5.0	1			1			X		X														REFER TO STANDARD E-121 FOR PLACEMENT.	E-141
39+65 RT		1	30	30	6.25	1			1			X		X															E-143
ADDED 42+25	40 MPH					2	2					14																	
43+45 LT		1	30	30	6.25	1			1			X		X															E-143
44+02 LT		1	24	30	5.0				1			X		X														REFER TO STANDARD E-121 FOR PLACEMENT.	E-141

					9	3																								
					SF	SF	EA.	SF		LF	LF	LF	LF	LF	EA.	LB	LB	LB	EA.	LB	LB	LB	EA.	EA.	LB					
					SHEET TOTALS	33.75	9	31			98	90	90																	
					SIGN SHEET #1	62.0	19	76			142	135	135																	
					SIGN SHEET #2	72.0	16	7			156	165	165																	
					SIGN SHEET #3	73.75	24	97			224	195	195																	
					SIGN SHEET #4	78.75	13	4			196	210	210																	
					SIGN SHEET #5	82.50	17	6			184	210	210																	
					SIGN SHEET #6	71.5	55.0	10	5		172	150	150																	
					SIGN SHEET #7	62.75	11	3			144	150	150																	
					SIGN SHEET #8	52.80	15	75			140	135	135																	
					SIGN SHEET #9	33.75	9	31			98	90	90																	
					PROJECT TOTALS	589.8	143	44			1554	1,440	1,440																	

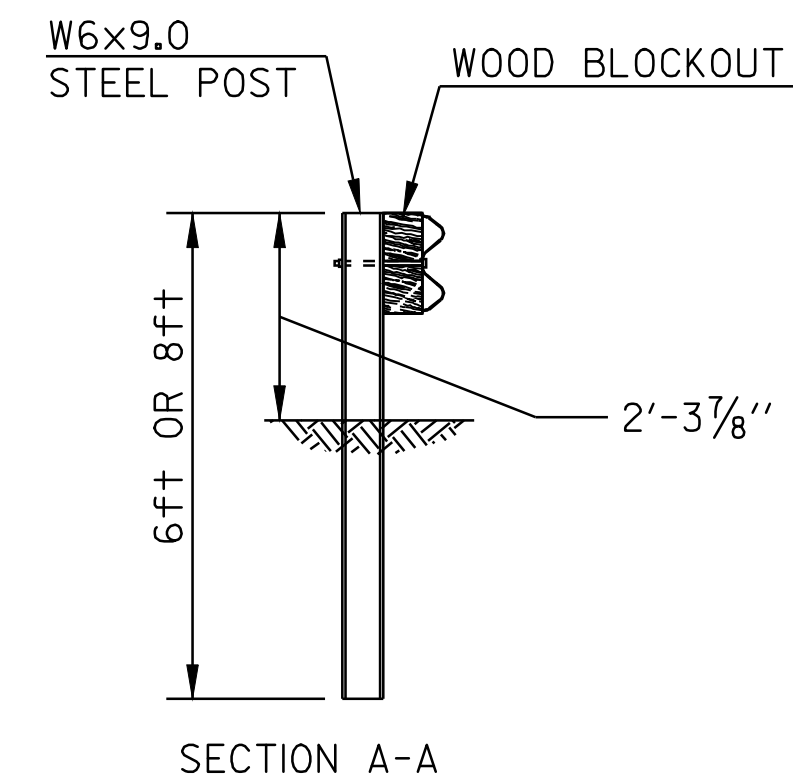
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S 'SIGN POST DESIGN GUIDELINE.'

TRAFFIC SIGN SUMMARY SHEET #9	PROJECT: MILTON - GEORGIA	PROJECT NO.: STP 2510(1)S
	DESIGN FILE NAME: 05cl58.dgn	PLOT DATE: 19-MAY-2009 12:23
	IPARM FILE NAME: 05cl58ts9.i	SURVEY DATE:
	SURVEYED BY:	DRAWN BY: C.E.A., INC.
	SQUAD LEADER:	SHEET: 42 OF 44



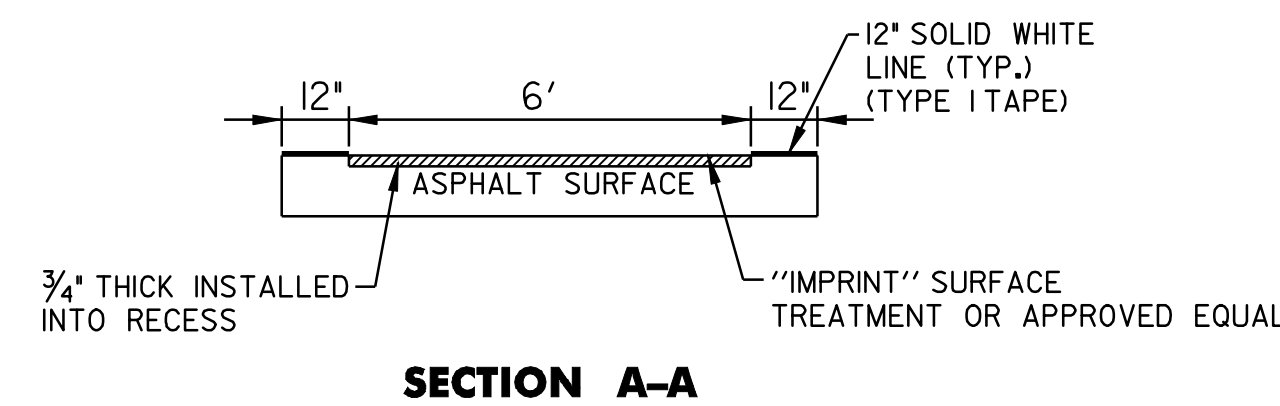
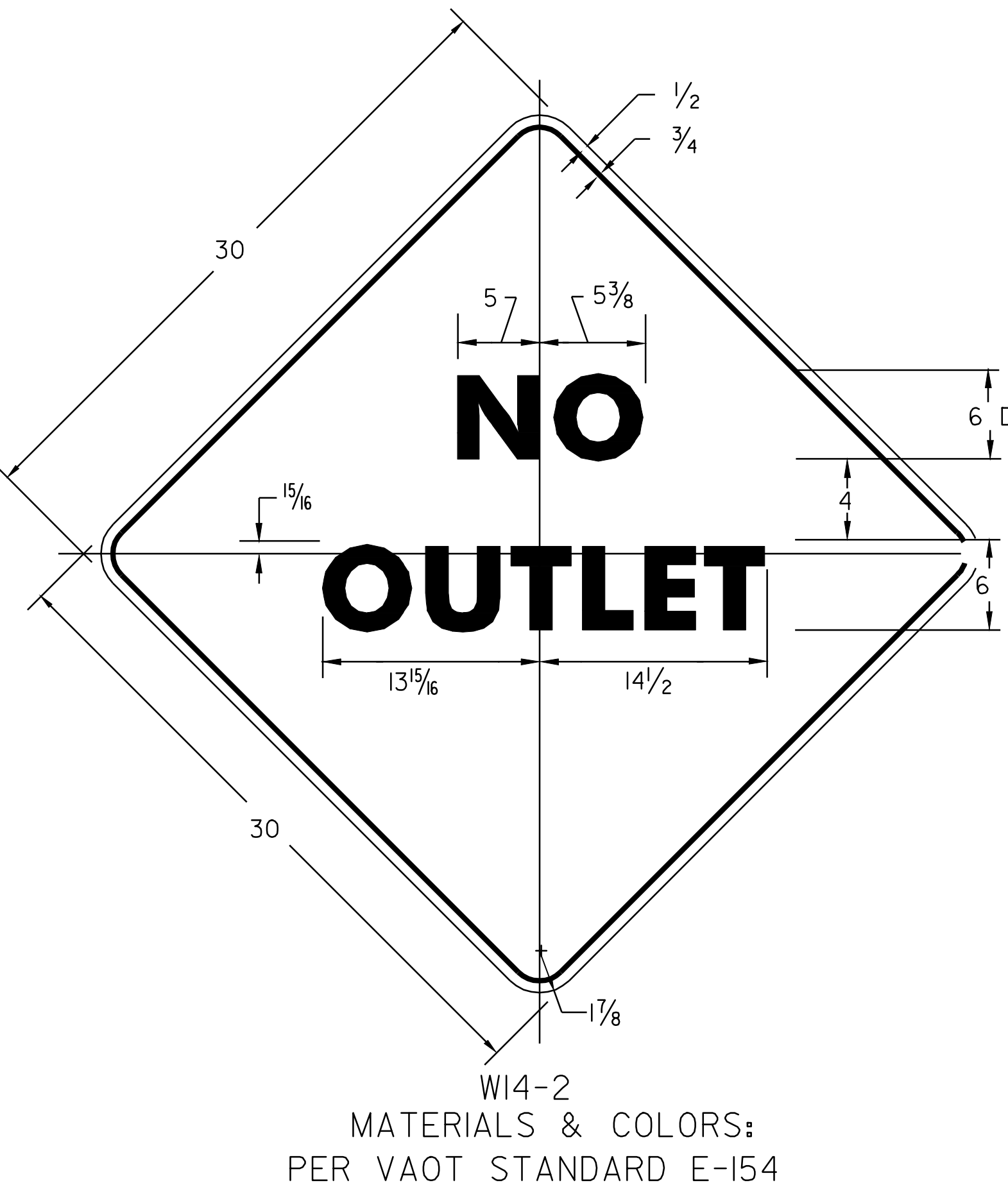
NON-YIELDING OBJECT APPROACH DETAIL

MILTON
 STA 274+93 RT
 STA 276+60 RT
 STA 278+13 RT



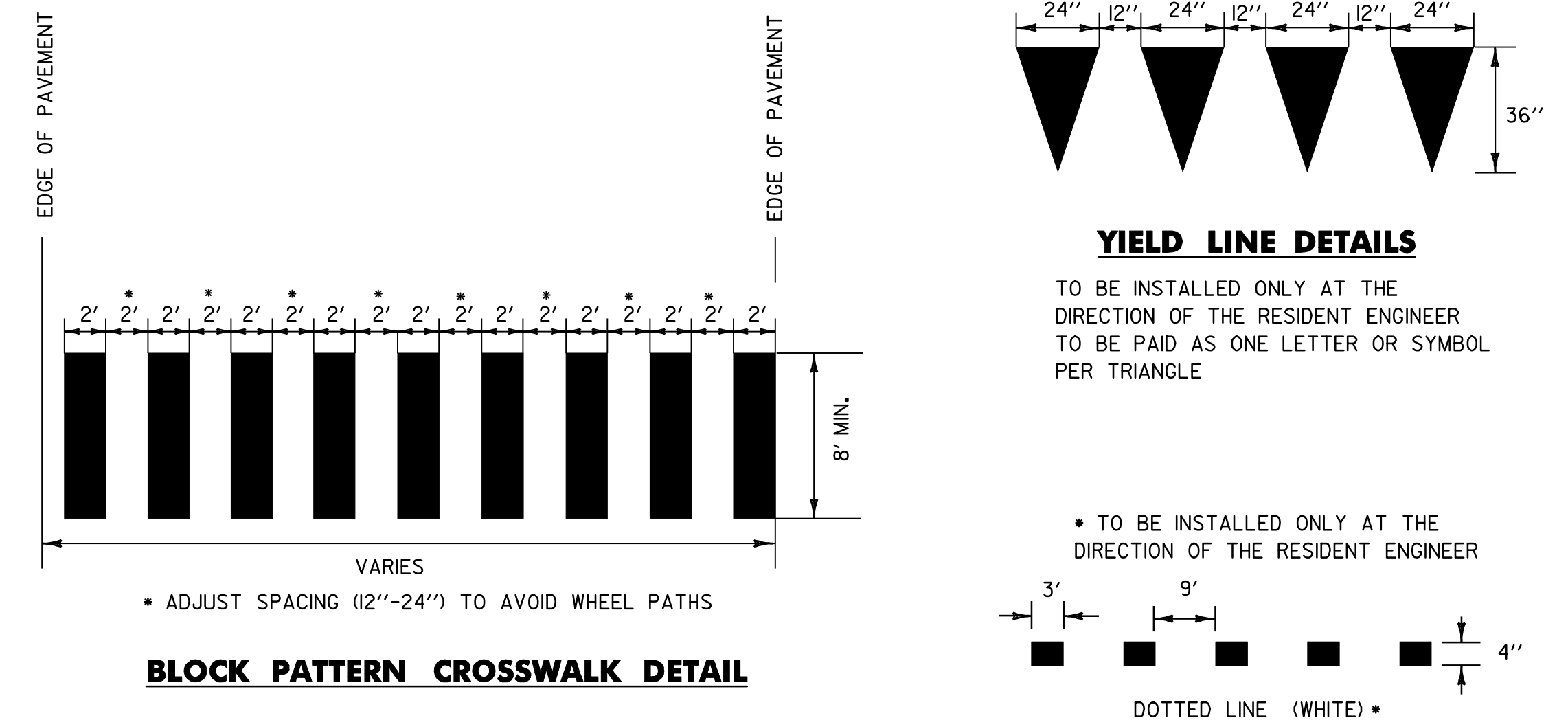
VEHICLE DETECTOR LOOP NOTES:

1. THIS PLAN IS NOT TO SCALE AND SHALL BE USED AS A GUIDE. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS, INCLUDING, BUT NOT LIMITED TO, UTILITIES, POLES, PULL BOXES, STRIPING, AND LOOP DETECTORS. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.
2. PRIOR TO COLD PLANING, THE CONTRACTOR SHALL DISCONNECT THE VEHICLE DETECTOR LOOP IN THE CONTROLLER CABINET AND CUT IT AT THE CURB OR SHOULDER. ONCE THE VEHICLE DETECTOR LOOP IS DISCONNECTED, THE SIGNAL PHASE THAT IT WAS CALLING SHALL BE SET ON MAXIMUM RECALL OR THE SIGNAL SHALL BE SET TO FLASH WHILE TRAFFIC IS BEING CONTROLLED BY A UNIFORMED TRAFFIC OFFICER. THIS WORK SHALL BE INCIDENTAL TO PAY ITEM 678.22, VEHICLE LOOP DETECTOR.
3. ALL PROPOSED VEHICLE DETECTOR LOOPS SHALL BE INSTALLED IN THE COLD PLANED SURFACE PRIOR TO THE PLACEMENT OF THE WEARING SURFACE. ONCE THE PROPOSED VEHICLE DETECTOR LOOP IS INSTALLED, THE INDUCTANCE, RESISTANCE, AND LEAKAGE TO GROUND MUST BE TESTED USING PROPERLY CALIBRATED EQUIPMENT. THESE TEST RESULTS SHALL BE COMPARED WITH THE CALCULATED VALUES SHOWN ON THE LAYOUT PLANS AND THE FIELD MEASURED VALUES SHALL BE RECORDED ON THE LAYOUT PLANS. UPON COMPLETION OF THE INSTALLATION OF A PROPOSED VEHICLE LOOP DETECTOR, THE SIGNAL SHALL BE RETURNED TO NORMAL OPERATION.
4. THE CONTRACTOR SHALL USE THE EXISTING CONDUIT WHICH RUNS FROM THE CURB TO THE CONTROLLER PANEL FOR THE NEW LOOP DETECTORS.
5. EXISTING TIMINGS WILL BE USED.
6. WORK IMPROVEMENTS CONSISTING OF THOSE SHOWN ON PLANS SHALL BE PERFORMED ACCORDING TO SPECIFICATIONS AND STANDARD DRAWINGS OF VERMONT AGENCY OF TRANSPORTATION. VEHICLE DETECTOR LOOPS SHALL COMPLY WITH VTRANS STANDARD E-172.



DETAIL OF DURABLE CROSSWALK MARKING, IMPRINTED/COLORIZED
 ITEM 900.640

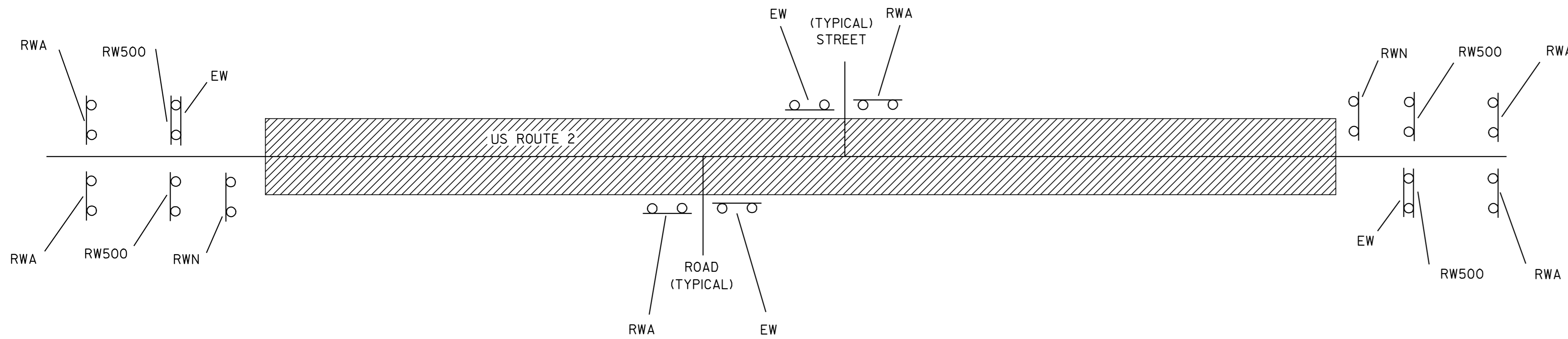
- NOTES:
1. SAWCUT PAVEMENT AT EDGES AND REMOVE PAVEMENT INSIDE THE CROSSWALK TO SPECIFIED DEPTHS.
 2. SURFACING SHALL BE A HOT APPLIED MODIFIED SYNTHETIC ASPHALT COMPOUND, 'IMPRINT' TECHNOLOGY, OR EQUAL.
 3. MATERIAL GRADE OF THE SURFACING TREATMENT SHALL MEET THE REQUIREMENTS FOR HEAVILY TRAFFICKED ROADS AND NORTHERN U.S. TEMPERATURES.
 4. INSTALL PER MANUFACTURERS INSTRUCTIONS.
 5. CROSSWALKS:
 - SURFACING SHALL BE A THROUGH OXIDE RED COLOR MATERIAL, NOT SURFACE PAINTED.
 - SURFACE SHALL BE STAMPED WITH STANDARD BRICK PATTERN.
 6. THE 12" SOLID WHITE LINE, TYPE I TAPE, ADJACENT TO THE COLORIZED/PATTERNED CROSSWALK SHALL NOT BE PAID SEPARATELY, BUT SHALL BE INCIDENTAL TO ITEM 900.640.



NON-YIELDING OBJECT APPROACH, SIGN, VEHICLE DETECTOR NOTES, and PAVEMENT MARKING DETAILS

DESIGNED BY BCE/PJM DATE 8-06
 DRAWN BY C.E.A., INC. DATE 8-06
 DESIGN FILE NO. 05cl58.dgn
 PRF FILE 05cl58.det.1 DATE PLOTTED 19-MAY-2009 12:
 PROJ. NAME **MILTON - GEORGIA**
 PROJ. NO. **STP 2510(1)S**
 SHEET **43** OF **44** SHEETS

TOWN HIGHWAY	RWA	RW500	EW	RWN
MILTON				
BEGIN PROJECT	2	2		
TH#122				
TH#21				
TH#59				
ALLEN DRIVE				
TH#122				
TH#58				
TH#60				
TH#157				
TH#157				
TH#48				
TH#44				
TH#46				
TH#47				
TH#6				
TH#144				
TH#146				
TH#90				
TH#49				
TH#140				
TH#150				
TH#1				
TH#1				
TH#77				
TH#91				
TH#71				
TH#33				
TH#32				
TH#32				
TH#72				
TH#31				
TH#2				
TH#81				
TH#73				
TH#80				
TH#3				
TH#151				
GEORGIA				
TH#46				
TH#53				
TH#48				
TH#63				
TH#6				
END PROJECT	2	2		
TOTALS	43	4	41	2



CONSTRUCTION APPROACH SIGNING

LEGEND
 RWA = ROAD WORK AHEAD
 RW500 = ROAD WORK 500 FEET
 EW = END WORK
 RWN = ROAD WORK NEXT 1/2 MILES
 SRWA = SIDE ROAD WORK AHEAD
 SRW500 = SIDE ROAD WORK 500 FEET

SEE STD. E-100 FOR SIGN PLACEMENT
 PAYMENT FOR CONSTRUCTION SIGNING WILL BE MADE UNDER ITEM 641.10, "TRAFFIC CONTROL".
 RESIDENT ENGINEER, AT HIS OR HER DISCRETION, SHALL ELIMINATE CONSTRUCTION APPROACH SIGNING AT DEAD END LOCATIONS.

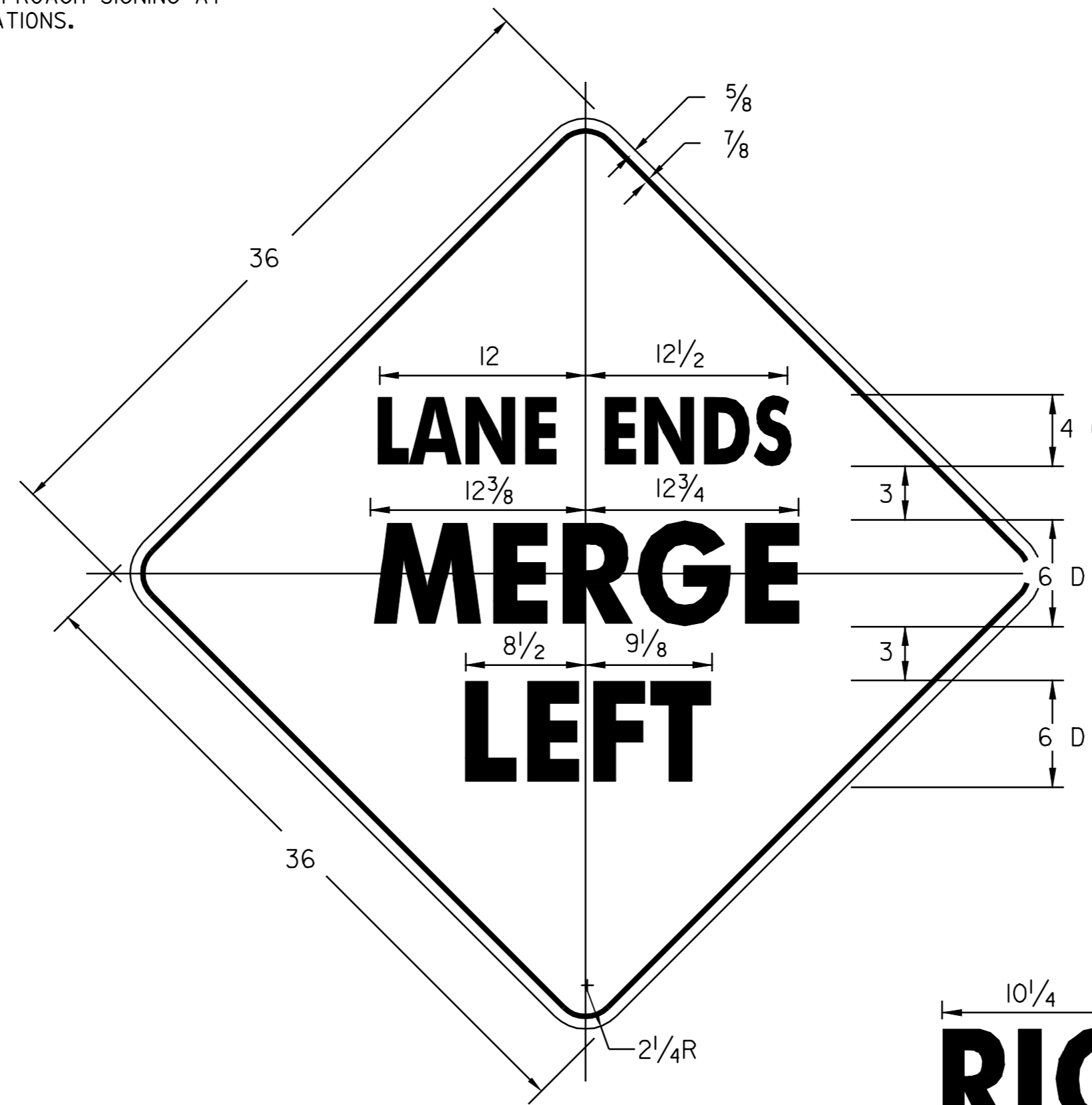
NOTES:

- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".
- THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH VTRANS STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".
- PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE PROVIDED FOR USE ALONG THIS PROJECT. THE PLACEMENT OF THESE UNITS AS WELL AS THE MESSAGE WILL BE APPROVED BY THE RESIDENT ENGINEER. THESE SIGNS WILL BE PAID FOR UNDER ITEM 641.15, "PORTABLE CHANGEABLE MESSAGE SIGN".

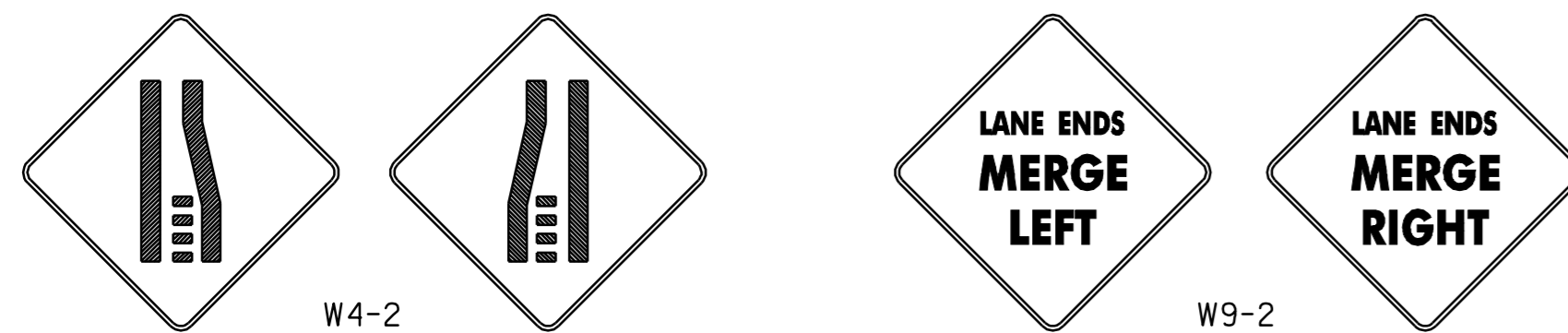
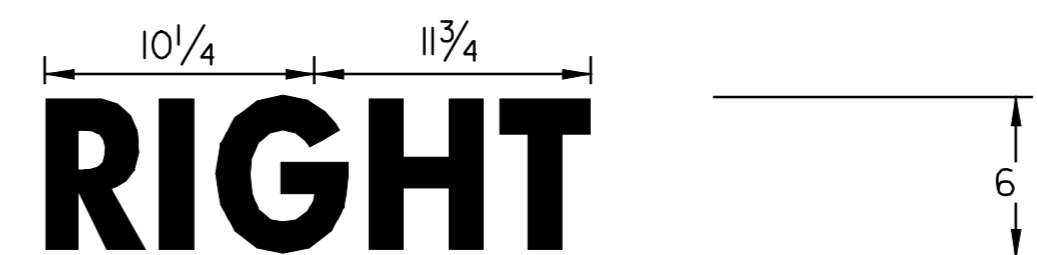
 PCMS SHOULD NOT REPLACE ANY OF THE SIGNING DETAILED IN THE MUTCD AND SHOULD NOT BE USED IF STANDARD TRAFFIC CONTROL DEVICES ADEQUATELY PROVIDE THE INFORMATION THE MOTORISTS NEED TO TRAVEL SAFELY.

 THE PCMS SHALL CONSIST OF EITHER ONE OR TWO PHASES. TYPICALLY, A PHASE SHALL CONSIST OF UP TO THREE LINES OF EIGHT CHARACTERS PER LINE. THE PCMS SHOULD BE USED TO SUPPLEMENT AND NOT AS A SUBSTITUTE FOR CONVENTIONAL SIGNS AND PAVEMENT MARKINGS.

 THE PCMS SHOULD COMMUNICATE WHAT INFORMATION MOTORISTS NEED TO KNOW. UNNECESSARY INFORMATION SHOULD BE AVOIDED. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS.
- THE MUTCD 2003 SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS, SIGNALS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC CONTROL DEVICES ARE ERECTED OR PLACED OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM TO THESE STANDARDS.
- NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS.
- ON VTRANS STANDARDS E-103, SIGN W4-2 MAY BE REPLACED WITH W9-2:



W14-2
 MATERIALS & COLORS:
 PER VAOT STANDARD E-154



CONSTRUCTION APPROACH SIGNING

DESIGNED BY BCE/PJM DATE 8-06
 DRAWN BY C.E.A., INC. DATE 8-06
 DESIGN FILE NO. 05cl58.dgn
 PRF FILE 05cl58cas.1 DATE 19-MAY-2009 12:4
 PROJ. NAME **MILTON - GEORGIA**
 PROJ. NO. **STP 2510(1)S**
 SHEET **44** OF **44** SHEETS

DATUM
 VERTICAL N/A
 HORIZONTAL N/A