

INDEX OF SHEETS

- 1 TITLE SHEET
- 2-3 PROJECT TYPICAL SHEETS
- 4-5 QUANTITY SHEETS
- 6 ITEM DETAIL SUMMARY SHEET
- 7 DITCH CLEANING DETAIL SHEET
- 8-45 PAVING PROJECT LAYOUT SHEETS
- 46-54 SUPERELEVATION BANKING DIAGRAM SHEETS
- 55-57 TRAFFIC SIGN SUMMARY SHEETS
- 58-59 BRIDGE DETAIL SHEETS
- 60 MISCELLANEOUS DETAIL SHEET
- 61 CONSTRUCTION APPROACH SIGNING & SIGN DETAIL SHEET

VAOT STANDARDS

- | | | |
|--------|--|----------|
| B-1 | BANKING TABLES | 06-01-94 |
| C-1 | GRANITE SLOPE EDGING | 01-03-00 |
| D-3 | TREATED GUTTERS | 06-01-94 |
| D-6 | REINFORCED CONCRETE DROP INLET (DITCHES) | 06-01-94 |
| D-8 | REINFORCED CONCRETE DROP INLET | 01-03-00 |
| D-9 | REINFORCED CONCRETE DROP INLET | 06-01-94 |
| D-10 | REINFORCED CONCRETE DROP INLET | 06-01-94 |
| D-11 | GRATES & COVERS (TYPE A) | 06-01-94 |
| D-15 | CAST IRON GRATE (TYPE D & E) | 06-01-94 |
| E-100 | CONSTRUCTION APPROACH SIGNS | 01-02-04 |
| E-100A | SIDEROAD CONSTRUCTION APPROACH SIGNS | 01-02-04 |
| E-101 | CONSTRUCTION SIGN DETAILS | 05-30-03 |
| E-102 | CONSTRUCTION SIGN DETAILS | 06-30-03 |
| E-102A | CONSTRUCTION SIGN DETAILS | 05-01-04 |
| E-103 | MAINLINE TRAFFIC CONTROL DETAILS | 03-01-04 |
| E-106 | TRAFFIC CONTROL - MISCELLANEOUS DETAILS | 03-01-04 |
| E-107 | DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS | 06-30-03 |
| E-107A | BREAKAWAY BARRICADE DETAILS | 08-08-95 |
| E-108 | CONSTRUCTION ZONE LONGITUDINAL DROP OFFS | 08-18-95 |
| E-110 | MAJOR MAINTAINANCE OPERATION LANE CLOSURE | 08-08-95 |
| E-111 | MAINTENANCE OPERATION APPROACH SIGNS | 03-11-97 |
| E-119 | UTILITY WORK ZONE | 03-01-04 |
| E-120 | STANDARD SIGN PLACEMENT - FREEWAY/EXPRESSWAY | 08-08-95 |
| E-121 | STANDARD SIGN PLACEMENT - RURAL ROADS | 08-08-95 |
| E-138 | MILEMARKER DETAILS - STATE & TOWN HIGHWAYS | 05-30-03 |
| E-141 | REGULATORY SIGN DETAILS | 09-20-95 |
| E-143 | REGULATORY SIGN DETAILS | 06-15-04 |
| E-146 | REGULATORY SIGN DETAILS | 09-20-95 |
| E-150 | WARNING SIGN DETAILS | 05-01-04 |
| E-151 | WARNING SIGN DETAILS | 05-01-04 |
| E-153 | WARNING SIGN DETAILS | 05-01-04 |
| E-160 | FLANGED CHANNEL STEEL SIGN POST | 05-20-99 |
| E-164 | SQUARE STEEL SIGN POST | 05-20-99 |
| E-191 | PAVEMENT MARKING DETAILS | 02-01-99 |
| E-192 | PAVEMENT MARKING DETAILS | 10-12-00 |
| E-193 | PAVEMENT MARKING DETAILS | 08-18-95 |
| G-1 | STEEL BEAM GUARD RAIL | 01-03-00 |
| G-1D | STEEL BEAM GUARD RAIL | 01-03-00 |
| G-4 | YIELDING MARKER POSTS | 06-01-94 |
| G-19 | GENERIC GRADING PLANS FOR GUARDRAIL END TERMINAL | 11-15-02 |

STATE OF VERMONT AGENCY OF TRANSPORTATION

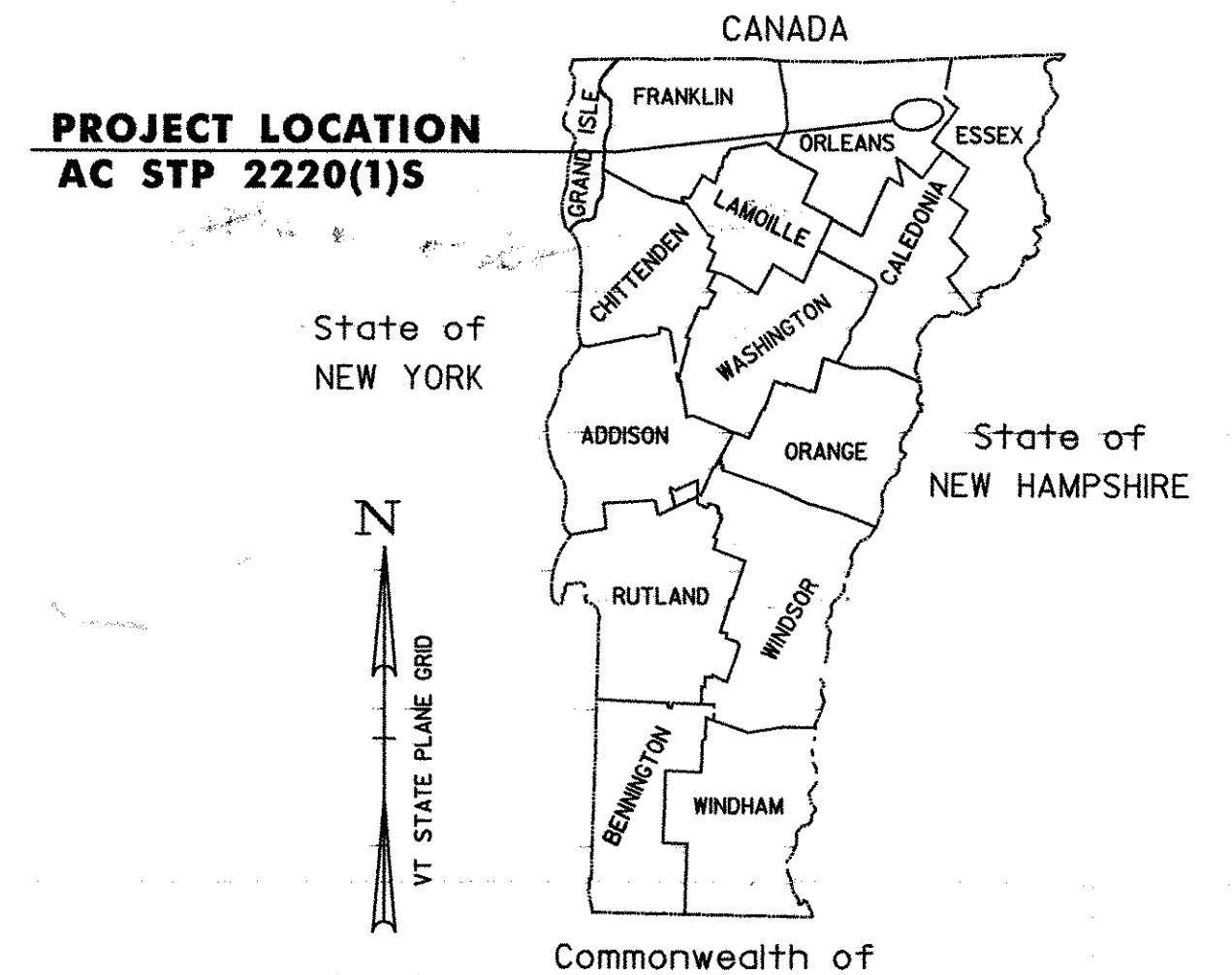


PROPOSED IMPROVEMENTS TOWN OF MORGAN COUNTY OF ORLEANS VERMONT ROUTE 111

BEGINNING IN THE TOWN OF MORGAN AT STA 50+79.36 (MM 0.962) AND EXTENDING
EASTERLY ALONG VERMONT ROUTE 111 THROUGH THE TOWN OF MORGAN FOR A DISTANCE
OF APPROXIMATELY 27,656.64 FEET (5.238 MILES) TO STA 327+36.00 (MM 6.200).

STATION TO STATION DATA	LENGTH	
	(FEET)	(MILES)
TOWN OF MORGAN STA 50+79.36 TO STA 327+36.00 (MM 0.962 TO MM 6.200)	27,656.64	5.238
PROJECT TOTALS	27,656.64	5.238

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RECLAIMING THE EXISTING ROADBED
AND RESURFACING WITH A COMBINATION OF BINDER AND WEARING COURSES, NEW PAVEMENT
MARKINGS, GUARD RAIL IMPROVEMENTS, DRAINAGE IMPROVEMENTS, DITCHING AND INCIDENTAL ITEMS.



RECORD PLANS MASSACHUSETTS	
CONTRACTOR:	PIKE INDUSTRIES, INC. - BERLIN VT
RESIDENT ENGINEER:	DOUG BUMPS
CONSTRUCTION BEGAN:	JULY 11, 2005
CONSTRUCTION COMPLETE:	May 12, 2006
RECORD PLANS BY:	D. BUMPS & C. PIERCE
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY:	<i>Walter Berger</i> RESIDENT ENGINEER
DATE:	5/17/06
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	

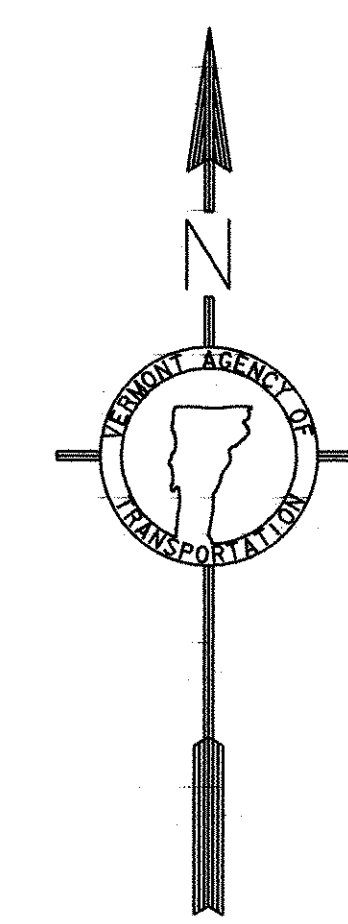
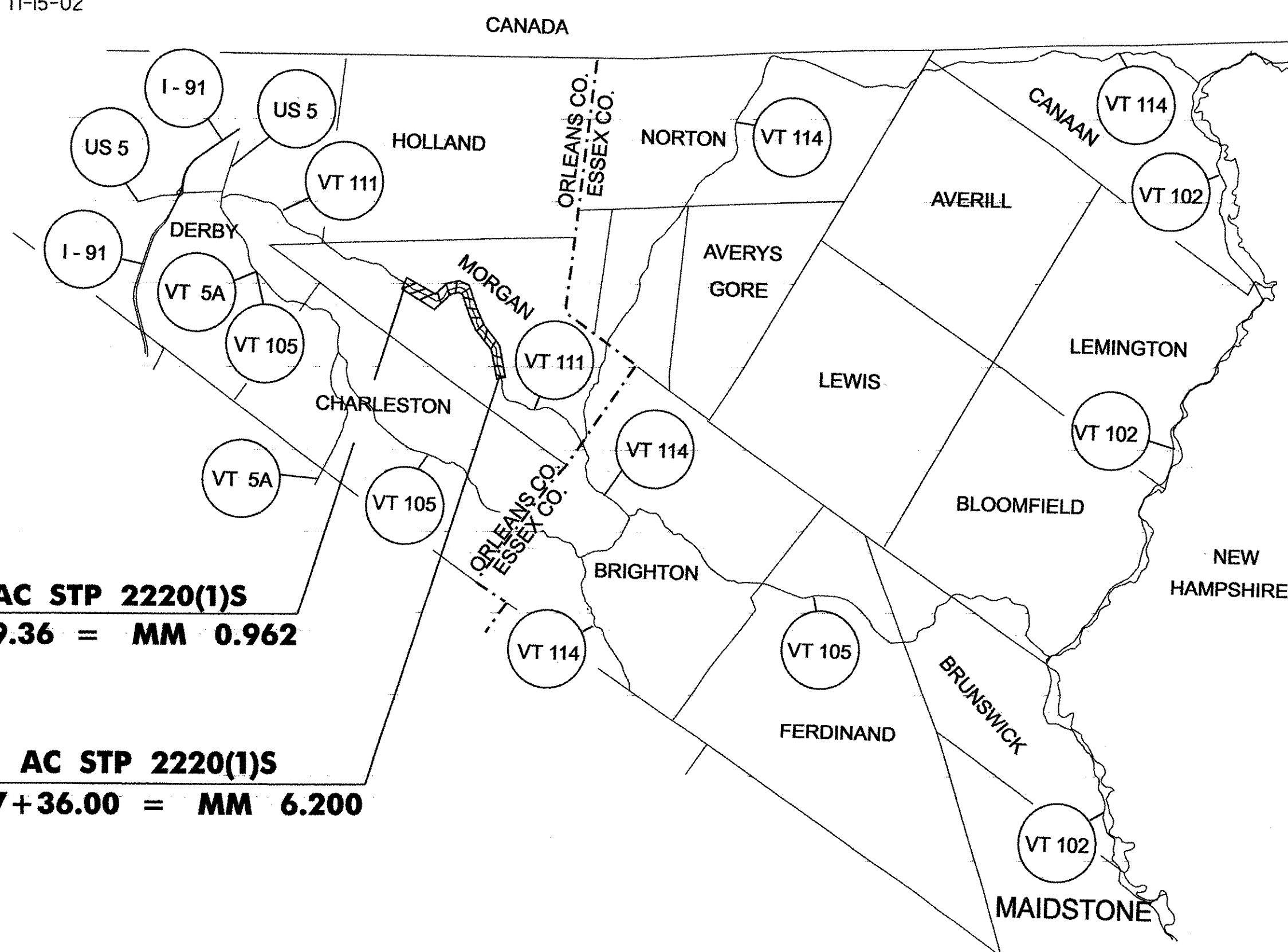
	ADT		DHV		ESAL'S	ESAL'S
	2005	2015	2005	2015	2005-2015	2005-2025
BEGINNING OF PROJECT TO TH 1 (MM 0.962 TO 4.61)	1500	1800	330	360	212,000	546,000
TH 1 TO END OF PROJECT (MM 4.61 TO 6.200)	820	960	240	260	202,000	507,000

CONVENTIONAL SIGNS	
COUNTY LINE	---
TOWN LINE	----
LIMITS OF ACCESS	—o—o—o—
POINT OF ACCESS	X
FENCE LINE	—x—x—
STONE WALL	—o—o—o—o—o—o—
TRAVELED WAY	—o—o—o—o—o—o—
GUARD RAIL	—o—o—o—o—o—o—
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

BEGIN AC STP 2220(1)S
STA 50+79.36 = MM 0.962

END AC STP 2220(1)S
STA 327+36.00 = MM 6.200



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.

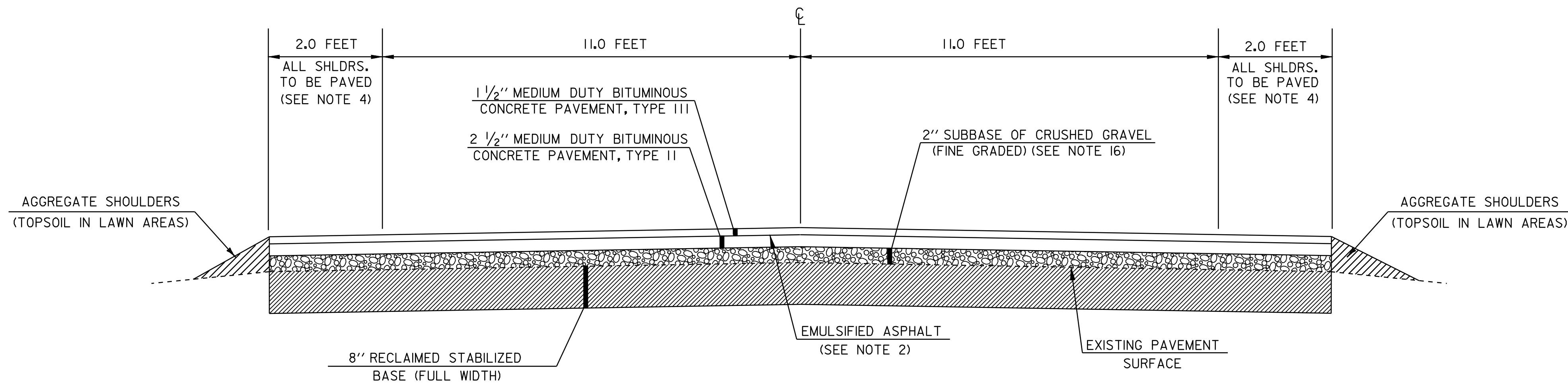
UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN "NOT TO SCALE".

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 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATOR
APPROVED _____ DATE _____
DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED <i>Richard Johnson</i> DATE <i>4/6/05</i>
PROJECT MANAGER : WOOLAVER
PROJECT NAME : MORGAN
PROJECT NUMBER : AC STP 2220(1)S

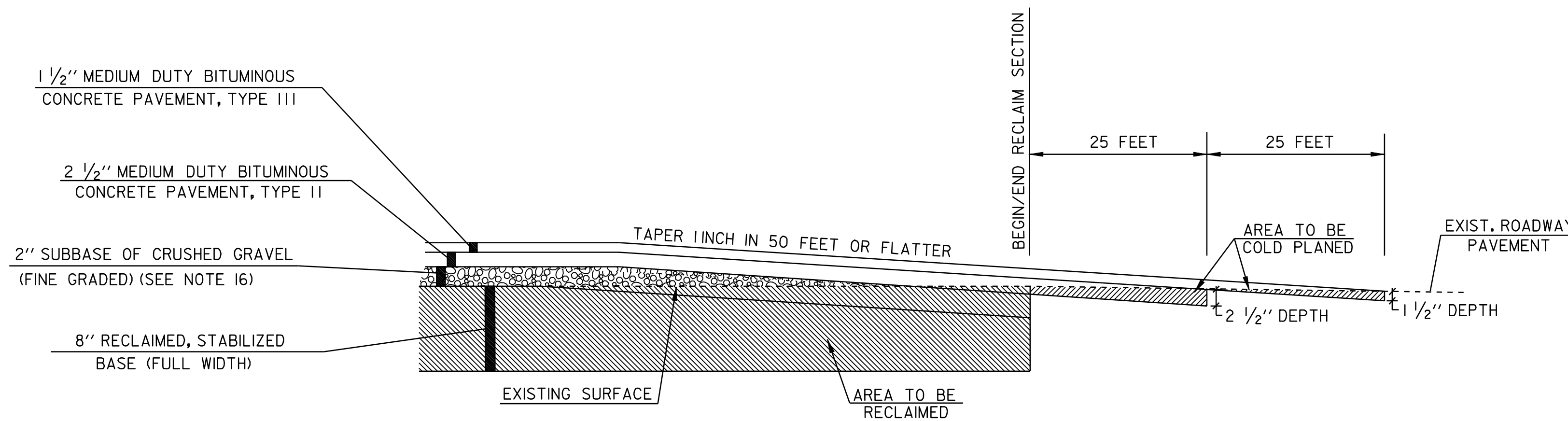
NOTES

- THE PAVEMENT WEARING COURSE SHALL BE MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT, TYPE III.
THE BINDER COURSE SHALL BE MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT, TYPE II, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
ALL ASPHALT CEMENT USED IN THE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-34.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES (NOT INCLUDING RECLAIMING SURFACE), BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.15 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL THICKNESS EXCLUDING LEVELING).
- PRIOR TO RECLAIMING, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER WILL BE EXCAVATED TO A DEPTH OF 3 INCH +/- OR AS DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL WILL BE USED AT OTHER LOCATIONS ON THE PROJECT (SUCH AS GUARDRAIL FLARES), SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE 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 ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED).
- THREE FEET OF BACKING IS REQUIRED BEHIND THE FACE OF GUARD RAIL WITH 6 FOOT POSTS. IF THIS CANNOT BE OBTAINED THEN 8 FOOT POSTS SHALL BE USED.
- 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 ALL SIDE ROAD APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- ITEM 604.4I2 IS AN ESTIMATED QUANTITY AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY THE RESIDENT ENGINEER. ALL D.I.'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
- PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGH THE PROJECT, SHALL BE PERFORMED AT LOCATIONS AS DIRECTED ON THE DITCH CLEANING DETAIL SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
- ALL DRIVES SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS DIRECTED AND WILL BE PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S). IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 30I.28, SUBBASE OF CRUSHED GRAVEL (FINE GRADED). A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 406.27. ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
- ESTIMATED QUANTITIES OF ITEM 608.25, EXCAVATOR RENTAL AND 608.37, TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARD RAIL END SECTIONS WITH EXCAVATED DITCHING MATERIAL. THE GUARD RAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDER MATERIAL 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 SIDEROAD APPROACHES AND AROUND DRAINAGE AND UTILITY STRUCTURES) SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 406.27, MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT.
- ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH ITEM 402.I2, AGGREGATE SHOULDERS, AS DIRECTED BY THE RESIDENT ENGINEER.
- COMPACTION, GRADING, AND CLEAN UP OF ITEM 30I.28, SUBBASE OF CRUSHED GRAVEL, ITEM 402.I2, AGGREGATE SHOULDER MATERIAL, AND ITEM 65I.35, TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT PRICE OF EACH ITEM.
- STABILIZING AGENT FOR THE RECLAIMED STABILIZED BASE WILL BE WATER. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO ITEM 310.20.
- ESTIMATED QUANTITIES OF CULVERT HAVE BEEN INCLUDED FOR THE PROVISION OF REPLACING AND/OR EXTENDING EXISTING CULVERTS, AS NECESSARY, OR AS DIRECTED BY THE RESIDENT ENGINEER.
- AN ESTIMATED THICKNESS OF 2" OF CRUSHED GRAVEL HAS BEEN INCLUDED FOR THE PROVISION OF IMPROVING GRADATION DEFICIENCIES AND/OR CORRECTING SUPERELEVATION, AS NECESSARY, OR AS DIRECTED BY THE RESIDENT ENGINEER.



RECLAIMED STABILIZED BASE TYPICAL SECTION

**MORGAN
STA 50+79.36 TO 327+36.00**



- APPROACH AREA DETAIL -

**MORGAN
STA 50+79.36 (BEGIN PROJECT)
STA 327+36.00 (END PROJECT)**

PROJECT PAVING LIMITS

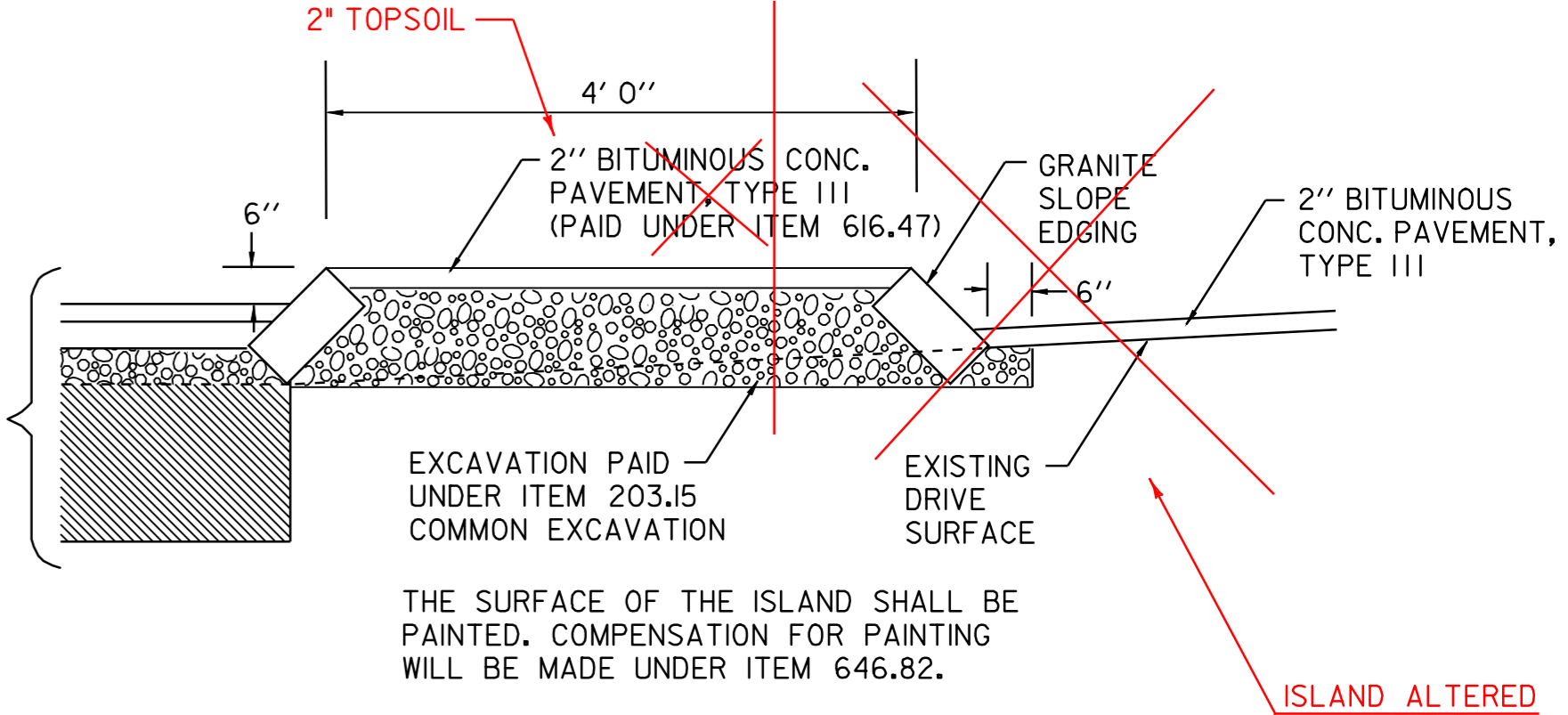
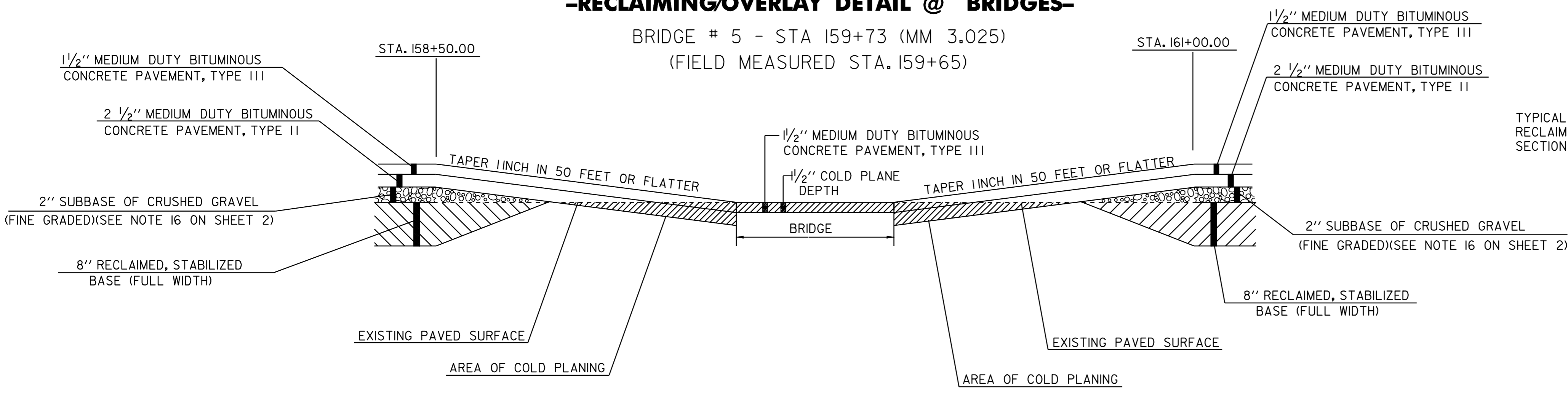
TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	BINDER DEPTH	NOTES
MORGAN VT. ROUTE 111	50+79.36	327+36.00	2.0-11.0-11.0-2.0 (feet)	1 1/2"	2 1/2"	RECLAIM 8" W/2" SUBBASE, & PAVE W/2 1/2" TYPE II, & 1 1/2" TYPE III.

PROJECT TYPICAL SHEET #1

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92+yl.i DATE 12-MAR-2007
 PLOTTED 12-MAR-2007
 PROJ. NAME **MORGAN**
 PROJ. NO. **AC STP 2220(1)S**
 SHEET **2** OF **61** SHEETS

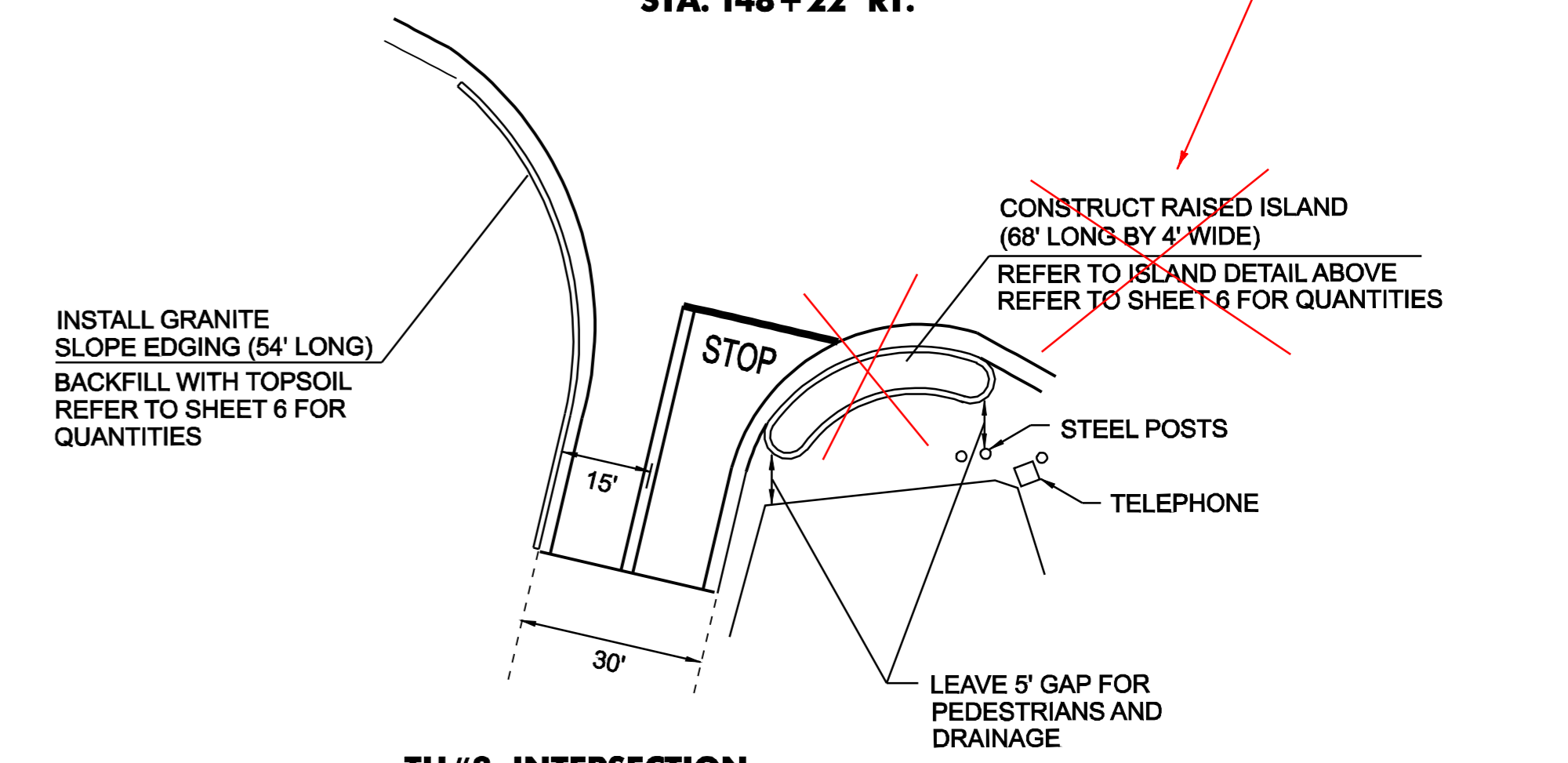
-RECLAIMING/OVERLAY DETAIL @ BRIDGES-

BRIDGE # 5 - STA 159+73 (MM 3.025)
(FIELD MEASURED STA. 159+65)



RAISED ISLAND DETAIL

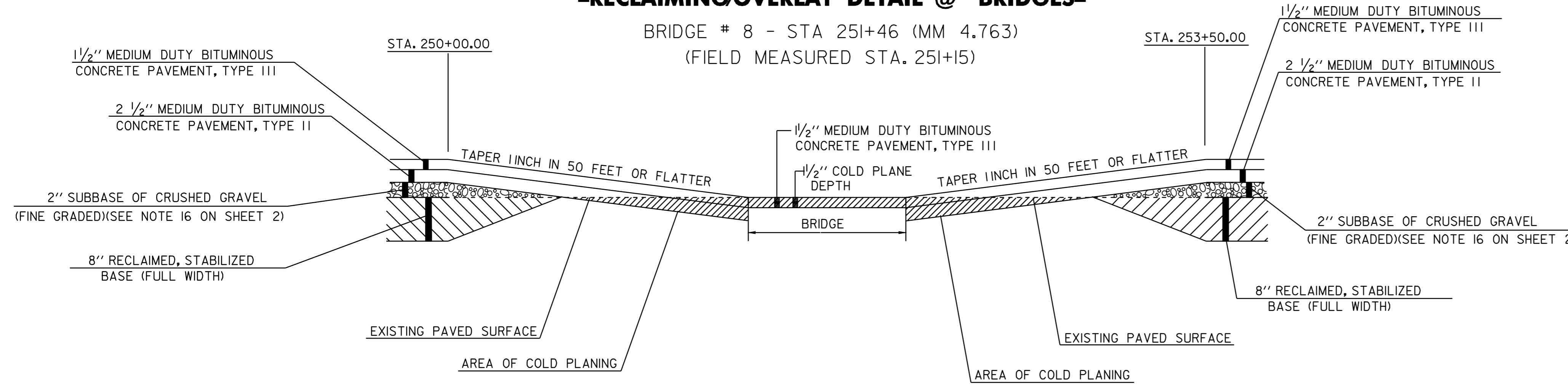
TH#3 INTERSECTION
STA. 148+22 RT.



TH#3 INTERSECTION
STA. 148+22 RT.

-RECLAIMING/OVERLAY DETAIL @ BRIDGES-

BRIDGE # 8 - STA 251+46 (MM 4.763)
(FIELD MEASURED STA. 251+15)



CONSERVATION SEED MIX

RURAL AREA - SEED MIXTURE

% WT.	LBS/ACRE	NAME	PUR%	GERM%
38.0	26	CREeping RED FESCUE	98	85
38.0	26	TALL FESCUE	95	90
4.5	4	RED TOP	95	90
15.0	10	BIRDSFOOT TREFLOIL	98	85
4.5	4	ANNUAL RYEGRASS	95	85
100.0	70			

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 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 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

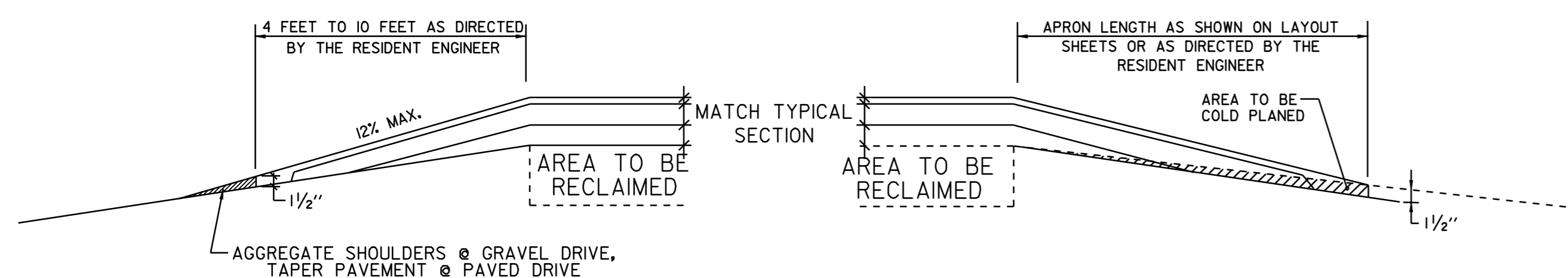
HAY MULCH:
TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

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

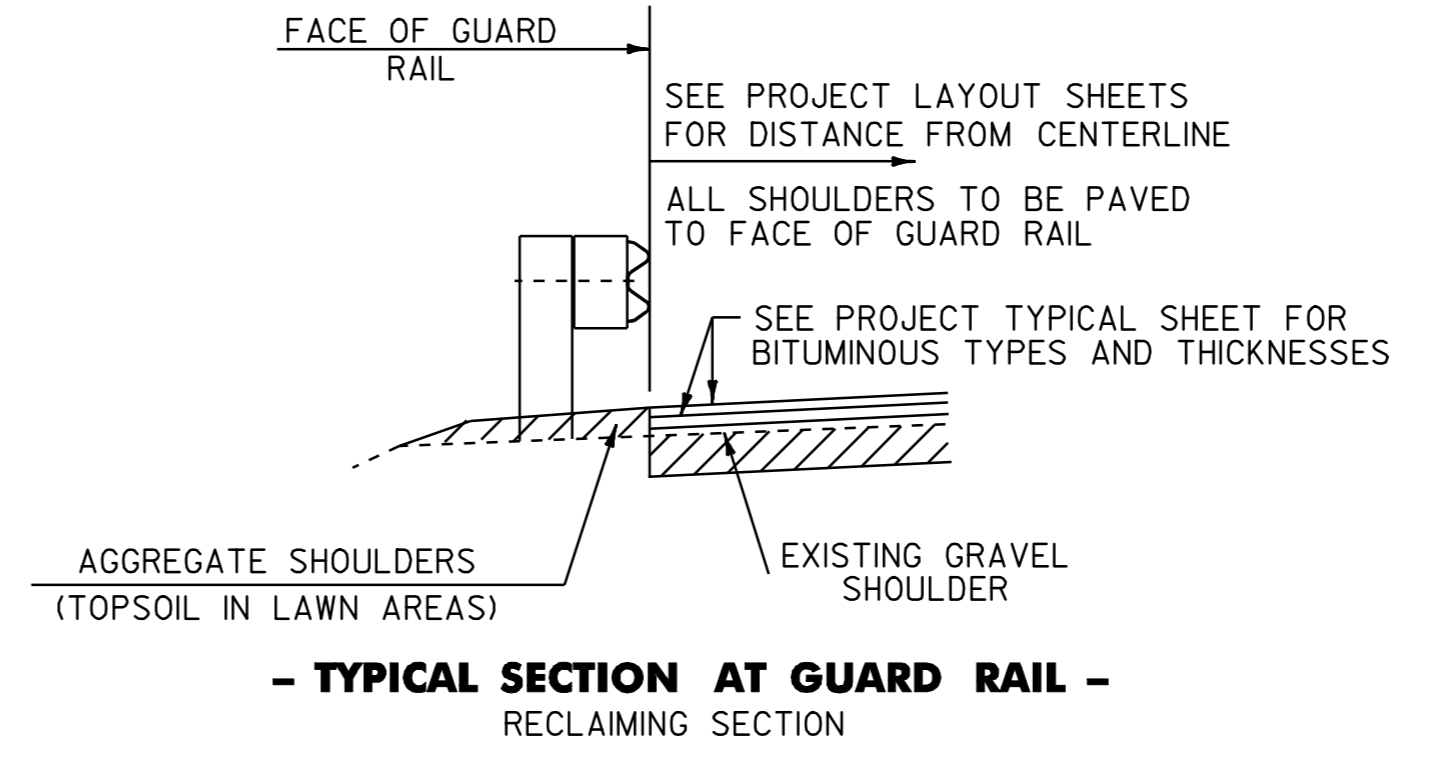
MARKER POSTS:
TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.

DRIVEWAY TRANSITION DETAIL @ RECLAIMED STABILIZED BASE AREAS

TOWN HIGHWAY TRANSITION DETAIL @ RECLAIMED STABILIZED BASE AREAS



- TYPICAL SECTION AT GUARD RAIL - RECLAIMING SECTION



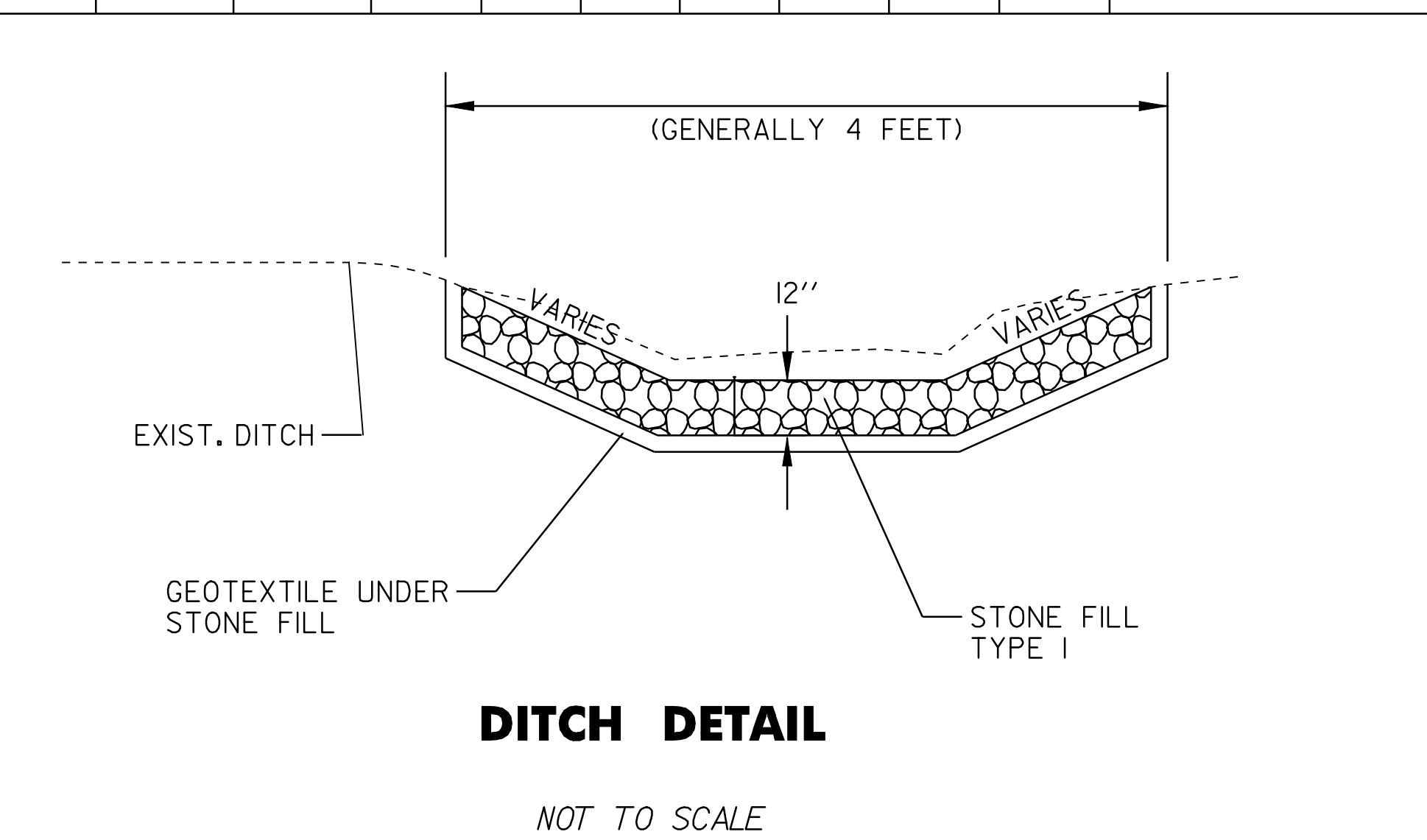
PROJECT TYPICAL SHEET #2

DESIGNED BY LFW DATE 6/04
DRAWN BY LFW DATE 6/04
DESIGN FILE NO. pave/99c192/99c192.dgn
PRF FILE 99c192+y2.1 DATE PLOTTED 12-MAR-2007 11:58
PROJ. NAME MORGAN
PROJ. NO. AC STP 2220(1)S
SHEET 3 OF 61 SHEETS

ITEM DETAIL SUMMARY SHEET

LOCATION			MISCELLANEOUS ITEMS										DRAINAGE ITEMS							GUARD RAIL ITEMS										REMARKS		
STA	STA	POS.	201.31	203.15	203.30		402.12	616.20	616.35	616.47	617.10	629.20	604.40	604.412	NEW PIPE				605.10	619.17	621.20 (MOD.)	621.21	621.505	621.505	621.60	621.75	621.76	621.77	621.80		621.81	676.10
			THIN TRIM FOR SIGNS	COM. EXCAV.	EARTH BORROW	WASTE DITCHING MATERIAL	AGG. SHOULD.	GRANITE SLOPE EDGING	TREATED TIMBER CURB	B. CONC. GUTTER & TRAF. ISLAND	RELOCATE MAILBOX SINGLE SUPPORT	ADJUST ELEV. VALVE BOX	CHANGE ELEV. DROP INLET	REHAB. D.I. CLASS I	DIA.	CSP (.064)	CPEP	CSPE (.064)	6" UNDER-DRAIN	YIELD. MARKER POSTS	STEEL BEAM GUARD RAIL	STEEL BEAM G.R. W/ 8' POSTS	H.D. STEEL BEAM G.R.	MANUF. TERMINAL SECTION (TANG.)	MANUF. TERMINAL SECTION (FLARED)	ANCHOR FOR G.R.	REMOVE AND RESET GUARD RAIL	REPLACE POST ASSEM.	REPLACE BEAM UNIT		REMOVE & DISP. OF G.R.	REMOVE & DISP. OF GUIDE POSTS
EACH	yd ³	yd ³	yd ³	TON	FEET	FEET	TON	EACH	EACH	EACH	EACH	INCHES	FEET	FEET	EACH	FEET	EA	FEET	FEET	FEET	EA	EA	EA	FEET	EA	EA	FEET	EA	EA			
50+79	327+36	LT&RT	5	100	5,000	900*	5,750	194	200	22.27	1	1	3	12	15-220	15-20	300	125	1,200.0	1,487.5	200.0	1	27	25	662.5	5	10	989.5	34	50	ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.	
105+64.0	111+26.5	RT				40	10													487.5			2							2		
106+00.0	108+75.0	LT				40	10												237.5				1	2						2	RAIL BURIED BACKSLOPE AT 106+00 LT	
110+00.0	110+87.5	LT				40	10								18	20				100.0				4						2	RAIL BURIED BACKSLOPE AT BOTH ENDS; NEW CPEP IN DITCH AT 110+87.5 LT	
126+25.0	128+75.0	LT				40	10													175.0			2							2	SEE SPAN DETAIL ON MISC. DETAIL SHT.	
126+25.0	129+62.5	RT				40	10													262.5			2							2	SEE SPAN DETAIL ON MISC. DETAIL SHT.	
135+30.0	137+12.5	LT				40	10								18	20				187.5				4						2	RAIL BURIED BACKSLOPE AT BOTH ENDS; NEW CPEP IN DITCH AT 135+30 LT	
135+22.5	136+35.0	RT				40	10													25.0		1	1							2		
148+22	--	RT						140		4.00																					RAISED ISLAND; SEE SHT. 3 FOR DETAILS	
147+91	--	RT						54																							INSTALL CURB ALONG EDGE OF TH3; SEE SHT. 3 FOR DETAILS	
148+28	--	LT								8.52																					OVERLAY EXISTING GUTTER ON TH 12 WITH 1 1/2" TYPE III	
158+87.5	159+50.0	LT				20	5														25.0		1					25.0	1	ATTACH TO NEW BR. RAIL AT 159+50 LT		
159+53.0	159+59.0	RT				20	5														25.0			1			25.0	1	ATTACH TO NEW BR. RAIL AT 159+59 RT			
159+69.0	160+06.5	LT				20	5												12.5	25.0			1				25.0	1	ATTACH TO NEW BR. RAIL AT 159+69 LT			
159+78.0	160+28.0	RT				20	5												25.0	25.0			1				29.0	1	ATTACH TO NEW BR. RAIL AT 159+78 RT			
200+84.0	202+34.0	RT				40	10													75.0			2						10	2		
205+45.0	207+36.0	RT				40	10													112.5			2				185.0	1	2			
208+00.0	210+00.0	RT				40	10														125.0			2					13	2		
212+64.0	214+14.0	RT				40	10														75.0			2					10	2		
218+25.0	222+74.0	RT																							450.0					1		
222+74.0	223+12.0	RT				20	5																1					38.0	1	REPLACE EXISTING END TERMINAL		
223+35.0	223+92.0	RT																							87.5					2		
223+99.0	225+24.0	RT																							125.0					2		
250+62.0	250+87.0	LT				20	5														25.0		1				25.0	1	ATTACH TO NEW BR. RAIL AT 250+87 LT			
250+78.0	250+96.0	RT				20	5														25.0		1				25.0	1	ATTACH TO NEW BR. RAIL AT 250+96 RT			
251+33.5	251+58.5	RT				20	5														25.0		1				25.0	1	ATT. TO NEW BR. RAIL AT 251+33.5 RT			
251+37.0	251+62.0	LT				20	5														25.0		1				25.0	1	ATTACH TO NEW BR. RAIL AT 251+37 LT			
259+53	--	LT								4.47																					OVERLAY EXISTING GUTTERS ON TH 20 WITH 1-1/2" TYPE III	
259+93	--	LT								2.98																						
260+23	--	LT								2.30																						
298+62.5	300+25.0	RT				40	10														87.5		2							2		
298+79.0	299+41.5	LT				40	10								15	20					62.5			2						2	EXTEND EXISTING CSP DRIVE CULVERT	
303+00.0	305+00.0	RT				40	10														125.0			2			200.0		2	SEE SPAN DETAIL ON MISC. DETAIL SHT.		
303+62.5	305+12.5	LT				40	10														112.5		1	2			125.0		2	RAIL BURIED BACKSLOPE AT 305+12.5 LT; SEE SPAN DETAIL ON MISC. DETAIL SHT.		
305+50.0	307+87.5	RT				40	10														162.5			2			237.5		2			
310+00.0	311+50.0	LT				40	10								18	40					175.0			4						2	RAIL BURIED BACKSLOPE AT BOTH ENDS; SEE SPAN DETAIL ON MISC. DETAIL SHT; NEW 20' CPEP CULVERTS IN DITCH AT 310+00 LT AND 311+50 LT	
310+00.0	311+37.5	RT				40	10														62.5			2						2		
SUB-TOTALS			5	100	5,000	900*	5,975	194	200	22.27	1	1	3	12	15-220	15-20	300	125	1,200.0	1,487.5	200.0	1	27	25	662.5	5	10	989.5	34	50		
ROUNDING			--	--	--	--	25	6	--	2.73	--	--	--	--	--	--	--	--	--	25.0	12.5	25.0	--	--	--	12.5	--	--	10.5	--	--	
PROJECT TOTALS			5	100	5,000	900*	6,000	200	200	25.00	1	1	3	12	18-200	18-20	300	125	1,225.0	1,500.0	225.0	1	27	25	675.0	5	10	1,000.0	34	50		
			*SHOWN FOR INFORMATION ONLY																													
													18-80																			
																							DESIGN FILE NO. pave/99c192/99c192.dgn									
																							PRF FILE 99c192dl1 DATE PLOTTED 12-MAR-2007 11:30									
																							PROJ. NAME MORGAN									
																							PROJ. NO. AC STP 2220(1)S									
																							SHEET 6 OF 61 SHEETS									

LOCATION				FEET OF DITCHING			MISC. ITEMS			REMARKS	LOCATION				FEET OF DITCHING			MISC. ITEMS			REMARKS		
SITE	STATION	STATION	POS.	PERCENT GRADE			654.10	613.10	649.31		SITE	STATION	STATION	POS.	PERCENT GRADE			654.10	613.10	649.31			
				0-2	2-5	>5	EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL						0-2	2-5	>5	EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL			
																						0-2	2-5
VT ROUTE 111 MORGAN							yd ²	yd ³	yd ²								yd ²	yd ³	yd ²				
1	50+79	52+00	RT			121		18	54		31	208+96	213+50	LT	230	100	124	45	18	55			
2	50+79	85+40	LT	1,584	1,056	821	469	122	365		32	221+94	223+70	LT			176		26	78			
3	55+20	56+35	RT		115		51				33	253+83	255+25	LT		142		63					
4	62+05		RT	30						DITCH CULVERT OUTLET	34	260+83	262+28	LT		145		64					
5	82+60	84+80	RT			220		33	98		35	262+49	264+20	LT		171		76					
6	88+00	89+56	LT			156		23	69		36	265+38	266+30	LT		92		41					
7	89+97	92+33	LT	236							37	266+71	268+37	LT		166		74					
8	93+00	99+46	LT	204		442		66	197		38	269+10	273+02	LT		392		174					
9	99+77	109+68	LT		408	583	181	86	259		39	273+38	278+70	LT		532		236					
10	110+42	113+30	LT			288		43	128		40	279+09	280+16	LT		107		48					
11	114+00	124+22	LT		806	216	358	32	96		41	281+71	283+40	LT		169		75					
12	124+75	126+00	LT		125		56				42	283+64	293+00	LT		936		416					
13	128+75	134+12	LT	212	325		145				43	294+29	298+40	LT	272	139		62					
14	135+00	137+42	LT	242							44	300+40	304+40	LT	400								
15	139+20	139+97	LT	77							45	305+25	312+65	LT	100	600	40	267	6	18			
16	143+00	143+42	LT		42		19				46	312+92	318+75	LT			583	86	259				
17	155+00	157+49	LT		50	199	22	30	88		47	319+22		RT		30		5	13		DITCH CULVERT OUTLET		
18	155+70	157+35	RT			165		24	73		48	319+16	322+34	LT			318	47	141				
19	157+80	158+10	LT	30						DITCH CULVERT OUTLET	49	321+07	322+34	RT			127	19	56				
20	161+08	165+00	LT		260	132	116	20	59		50	322+66	325+00	LT			234	35	104				
21	168+00	169+76	RT		80	96	36	14	43		51	325+25	325+57	LT			32	5	14				
22	169+35	171+38	LT	203							52	325+98	327+55	LT			157	23	70				
23	172+00	175+83	RT	383						PROJECT SUBTOTALS (SITES 31 THRU 52)					1,002	3,691	1,821	1,641	270	808			
24	176+40	179+25	LT	285						PROJECT SUBTOTALS (SITES 1 THRU 30)					5,363	3,367	3,627	1,498	539	1,613			
25	179+64	182+50	LT	286						COMBINED SUBTOTALS (SITES 1 THRU 52)					6,365	7,058	5,448	3,139	809	2,421			
26	181+25	182+50	RT	125						ROUNDING					-	-	-	61	16	79			
27	185+20	190+08	LT	488						PROJECT TOTALS					6,365	7,058	5,448	3,200	825	2,500			
28	192+15	194+88	LT	273																			
29	196+58	201+35	LT	477																			
30	203+64	208+80	LT	228	100	188	45	28	84														
PROJECT SUBTOTALS (SITES 1 THRU 30)				5,363	3,367	3,627	1,498	539	1,613														



NOTES:

PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGH PROJECT, SHALL BE PERFORMED AT LOCATIONS AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

AN ESTIMATED QUANTITY OF EROSION MATTING AND STONE FILL TYPE I HAS BEEN INCLUDED. EROSION MATTING SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2 AND 5 PERCENT AND STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE GREATER THAN 5 PERCENT OR AS DIRECTED BY THE RESIDENT ENGINEER.

DITCH CLEANING DETAIL SHEET	PROJECT :	MORGAN	PROJECT NO. :	AC_STP_2220(I)S
	DESIGN FILE NAME:	pave/99cl92/99cl92.dgn	PLOT DATE:	12-MAR-2007
	IPARM FILE NAME:	99cl92dit.i	SURVEY DATE:	
	SURVEYED BY:		DRAWN BY:	
	SQUAD LEADER:		SHEET:	7 OF 61

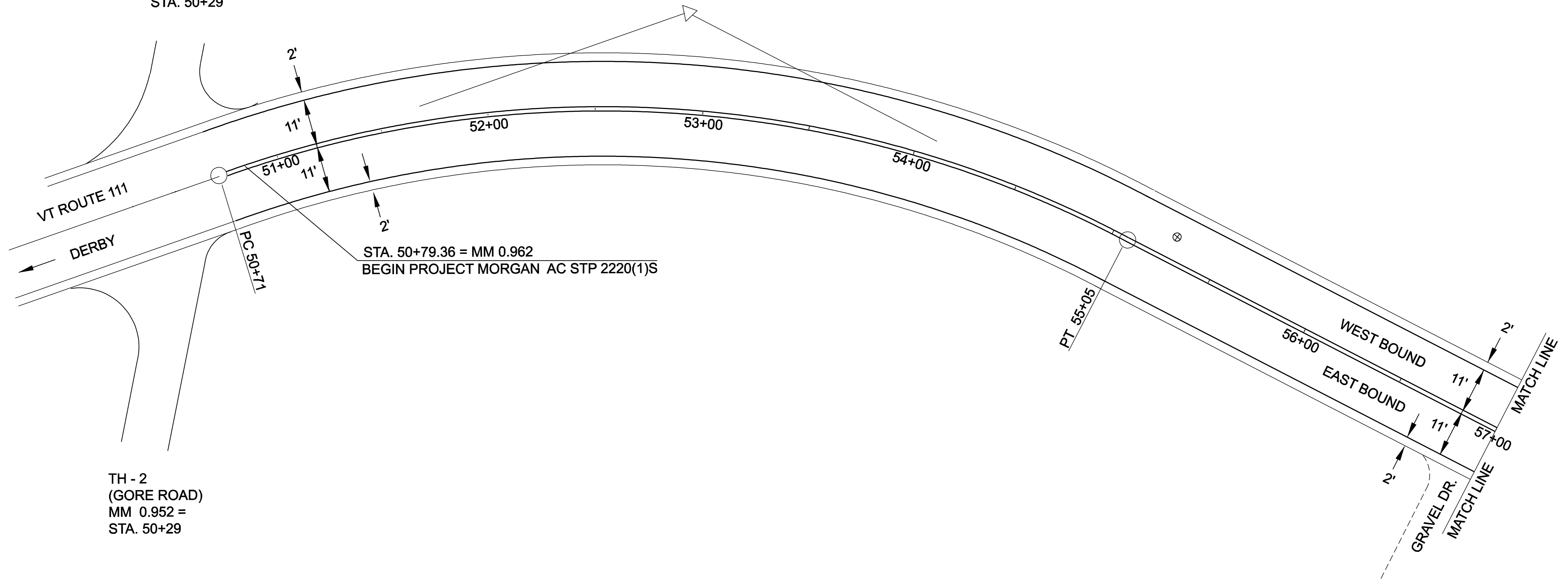
TEMPORARY AND DURABLE 4" WHITE LINE
 STA 50+79 TO 52+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 50+79 TO 57+00 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 50+79 TO 52+00 RT
 STA 50+79 TO 57+00 LT
 STA 55+20 TO 56+35 RT

CURVE # 1
 △ 47° RT
 R=529'
 D=10° 50'
 T=230'
 L=434'
 BANKING 0.080 FT/FT
 190' RUNOFF (50 MPH)
 SEE SHEET 46 FOR BANKING DETAIL

TH - 2
 (GORE ROAD)
 MM 0.952 =
 STA. 50+29



TH - 2
 (GORE ROAD)
 MM 0.952 =
 STA. 50+29

PROJECT
 LAYOUT
 SHEET #1

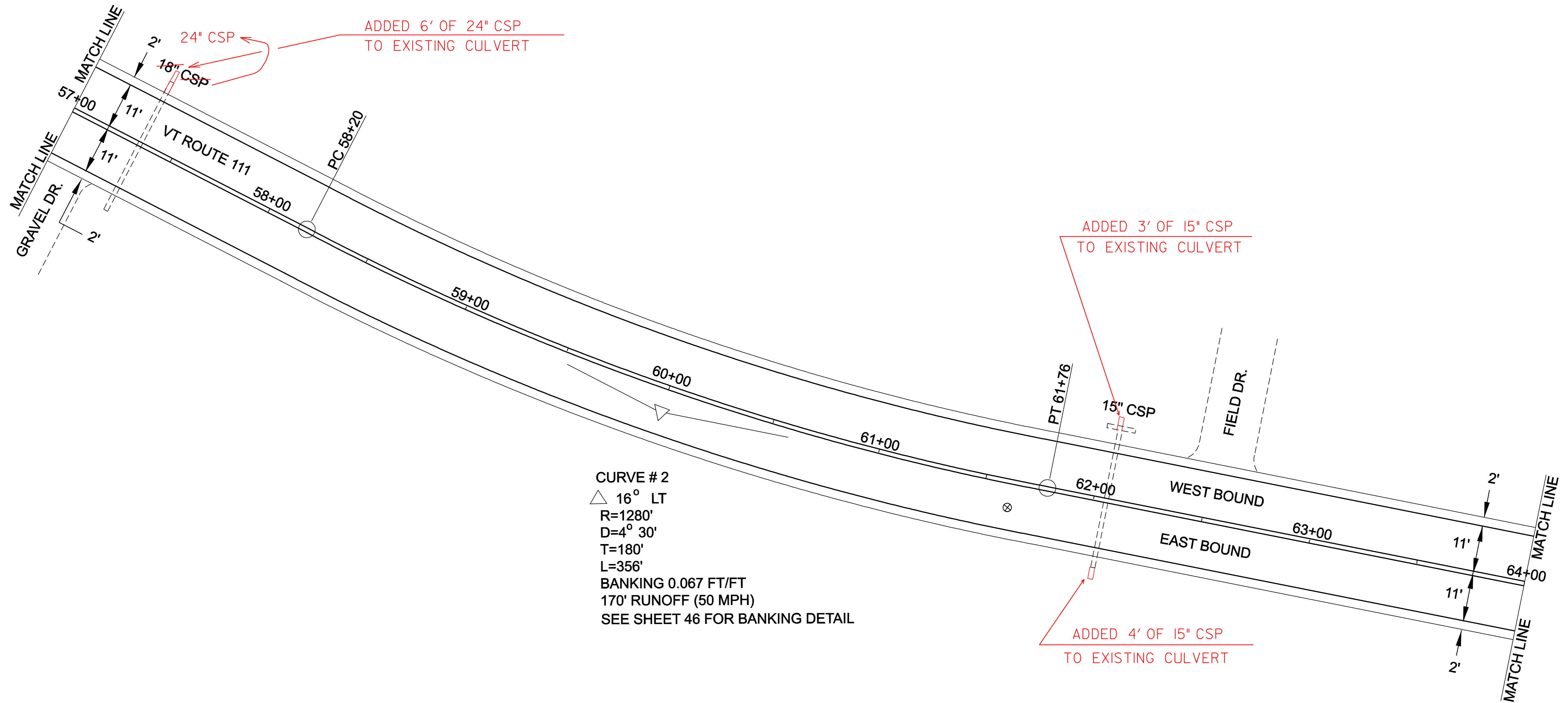
DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92p01.l DATE PLOTTED 12-MAR-2007 11:3
 PROJ. NAME **MORGAN**
 PROJ. NO. **AC STP 2220(1)S**
 SHEET **8** OF **61** SHEETS

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
1	55+23 LT	11 3/4	NO	NO

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 57+00 TO 64+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 57+00 TO 64+00 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 57+00 TO 64+00 LT
 STA 62+05 RT (CULVERT OUTLET)



CURVE # 2
 △ 16° LT
 R=1280'
 D=4° 30'
 T=180'
 L=356'
 BANKING 0.067 FT/FT
 170' RUNOFF (50 MPH)
 SEE SHEET 46 FOR BANKING DETAIL

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
2	61+62 RT	8	BOTTOM	YES

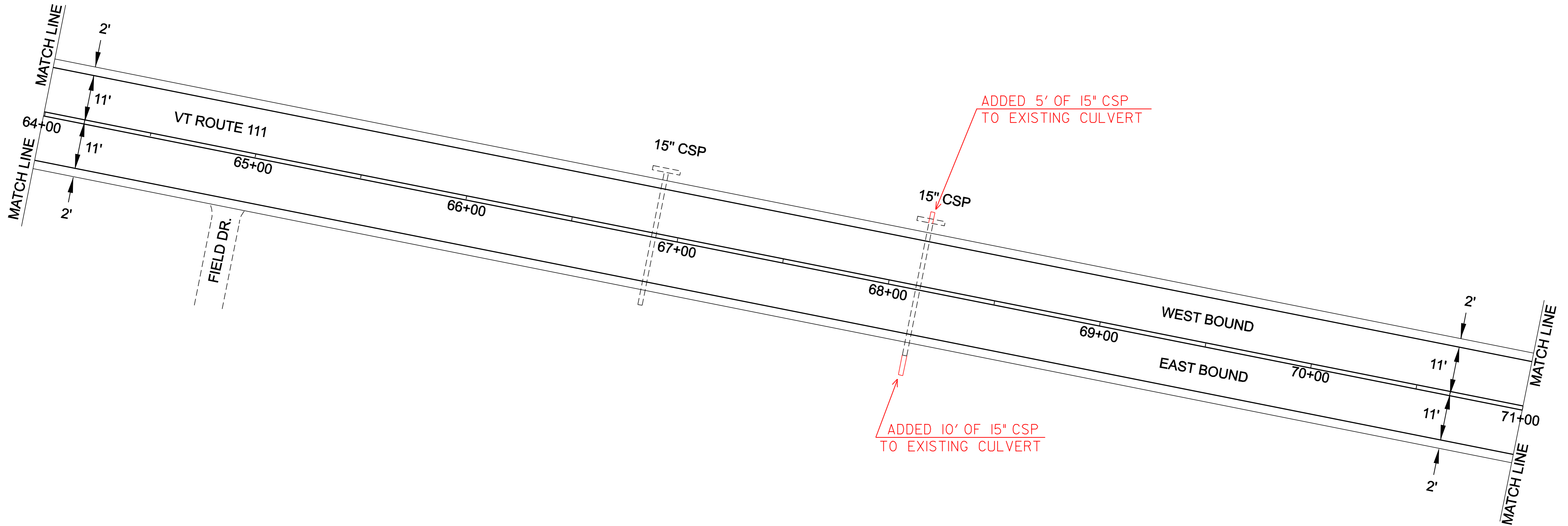
PROJECT
LAYOUT
SHEET # 2

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92p02.i DATE PLOTTED 12-MAR-2007 11:33
 PROJ. NAME **MORGAN**
 PROJ. NO. **AC STP 2220(1)S**
 SHEET **9** OF **61** SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
STA 64+00 TO 71+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 64+00 TO 71+00 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
STA 64+00 TO 71+00 LT

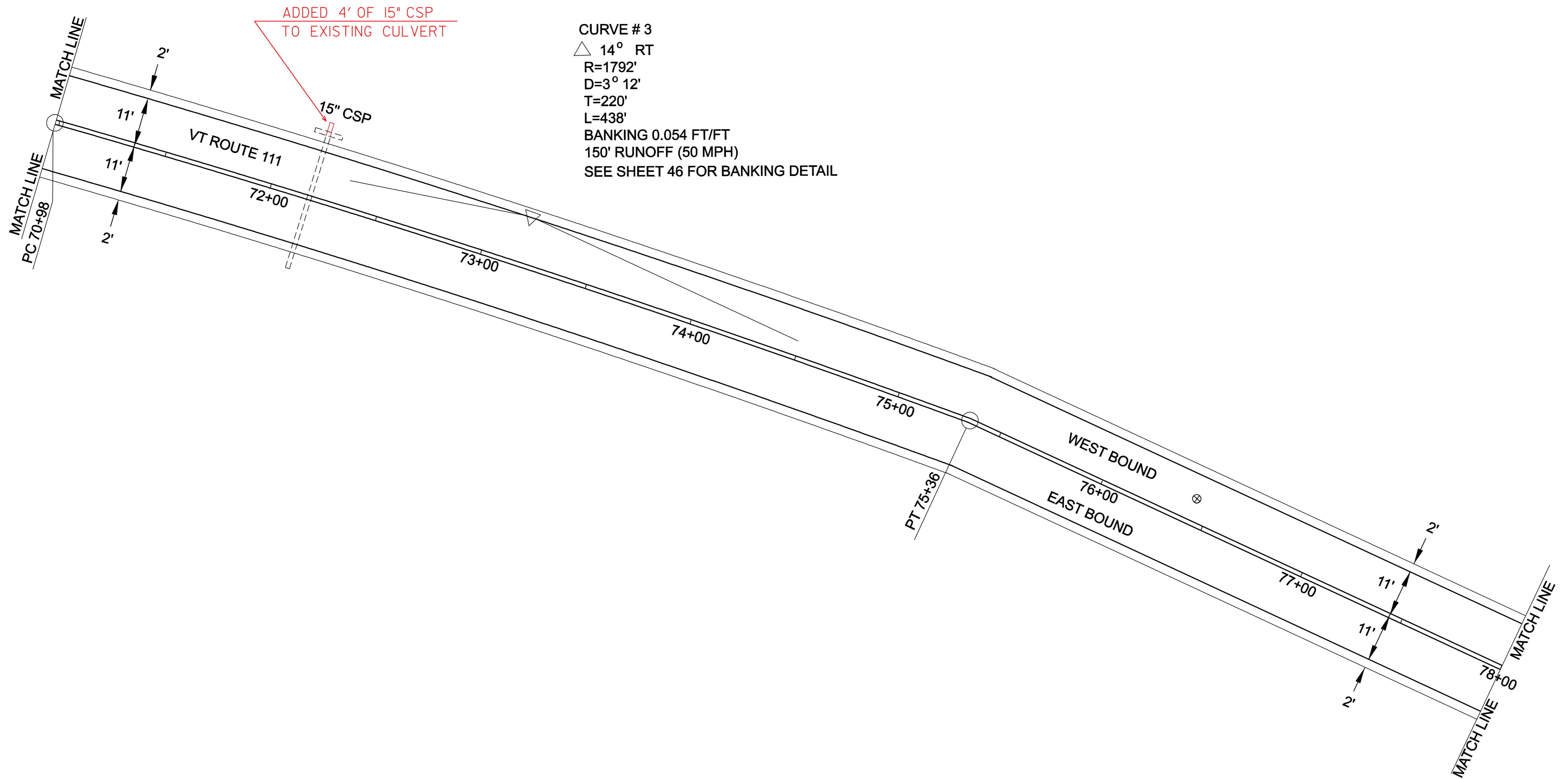


PROJECT LAYOUT SHEET #3	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p03.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
	PROJ. NO.	AC STP 2220(1)S		
SHEET	10	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 71+00 TO 78+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 71+00 TO 78+00 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 71+00 TO 78+00 LT



CURVE # 3
 △ 14° RT
 R=1792'
 D=3° 12'
 T=220'
 L=438'
 BANKING 0.054 FT/FT
 150' RUNOFF (50 MPH)
 SEE SHEET 46 FOR BANKING DETAIL

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
3	76+45 LT	5 1/2	NO	NO

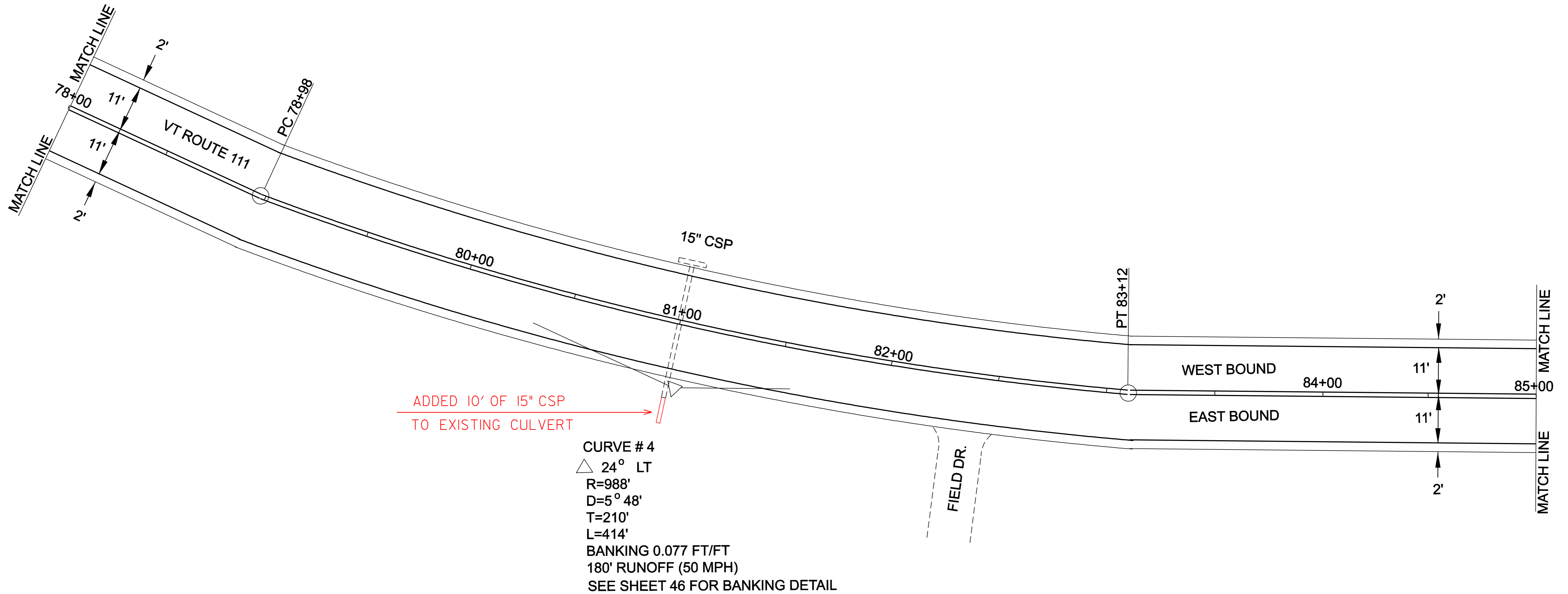
PROJECT LAYOUT SHEET # 4	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p04.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	11	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
STA 78+00 TO 85+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 78+00 TO 85+00 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)

STA 78+00 TO 85+00 LT
STA 82+60 TO 84+80 RT

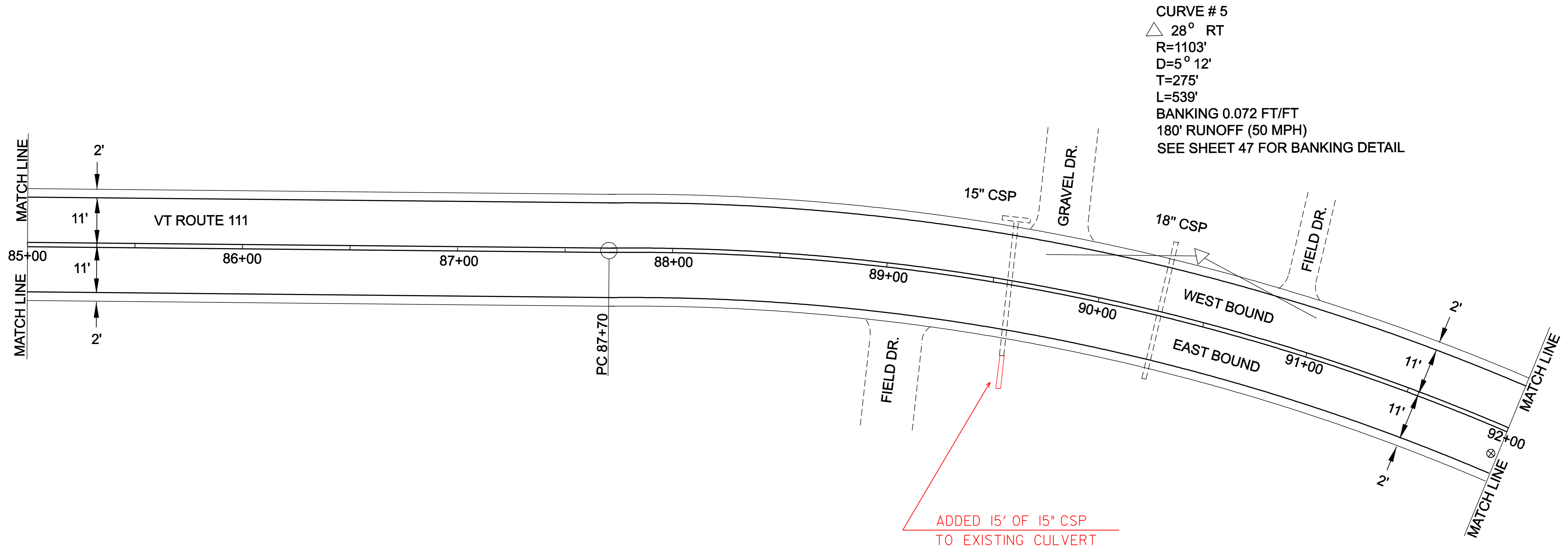


PROJECT LAYOUT SHEET #5	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p05.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	12	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 85+00 TO 92+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 85+00 TO 92+00 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 85+00 TO 85+40 LT
 STA 88+00 TO 89+56 LT
 STA 89+97 TO 92+00 LT



CURVE # 5
 △ 28° RT
 R=1103'
 D=5° 12'
 T=275'
 L=539'
 BANKING 0.072 FT/FT
 180' RUNOFF (50 MPH)
 SEE SHEET 47 FOR BANKING DETAIL

ADDED 15' OF 15" CSP
 TO EXISTING CULVERT

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
4	91+98 RT	4 3/4	BOTTOM	YES

PROJECT
LAYOUT
SHEET #6

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92p06.1 DATE 12-MAR-2007 IIS:3
 PROJ. NAME **MORGAN**
 PROJ. NO. **AC STP 2220(1)S**
 SHEET **13** OF **61** SHEETS

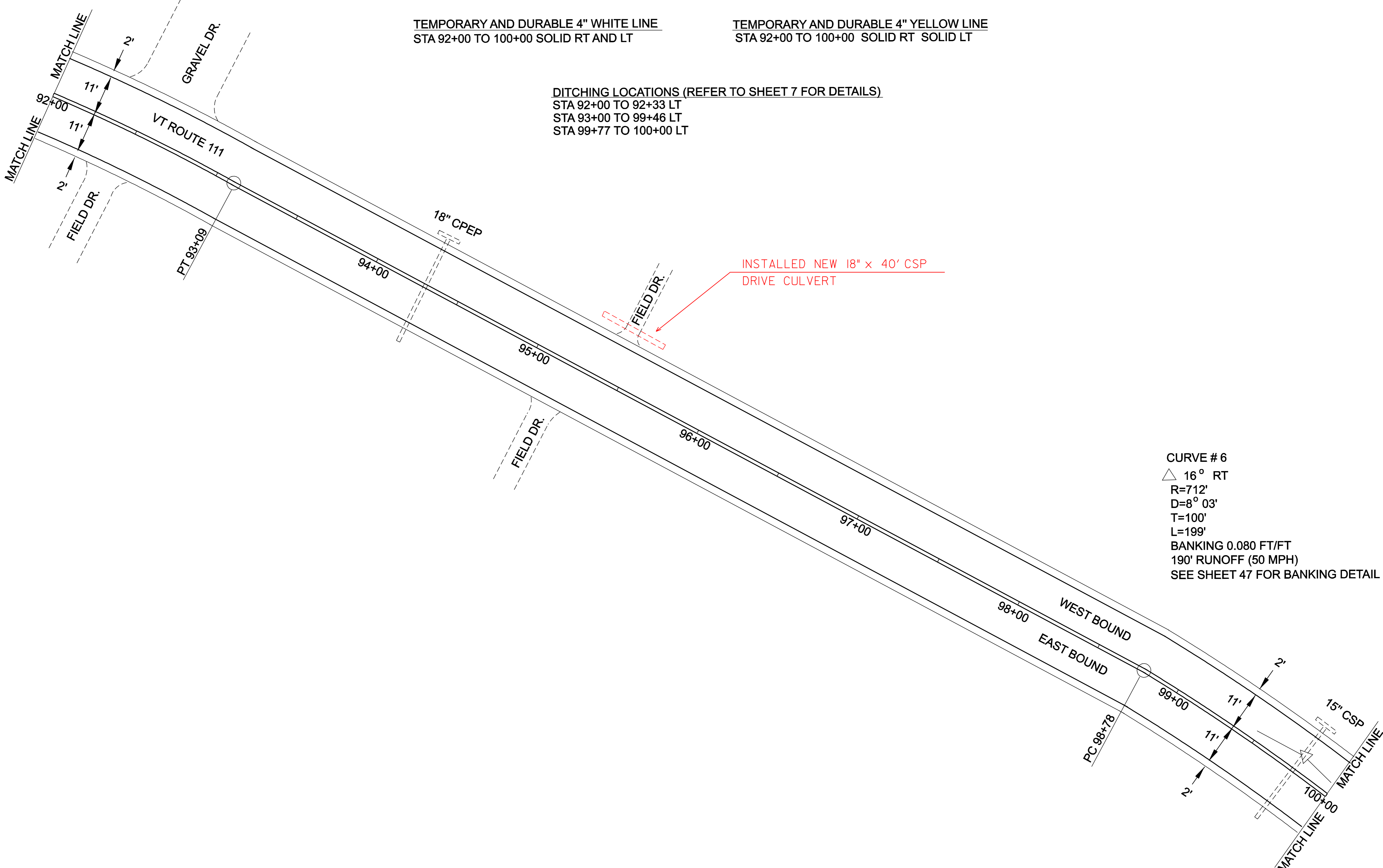
TEMPORARY AND DURABLE 4" WHITE LINE
STA 92+00 TO 100+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 92+00 TO 100+00 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
STA 92+00 TO 92+33 LT
STA 93+00 TO 99+46 LT
STA 99+77 TO 100+00 LT

INSTALLED NEW 18" x 40' CSP
DRIVE CULVERT

CURVE # 6
△ 16° RT
R=712'
D=8° 03'
T=100'
L=199'
BANKING 0.080 FT/FT
190' RUNOFF (50 MPH)
SEE SHEET 47 FOR BANKING DETAIL



PROJECT LAYOUT SHEET # 7	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p07.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	14	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
STA 100+00 TO 108+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 100+00 TO 108+00 SOLID RT SOLID LT

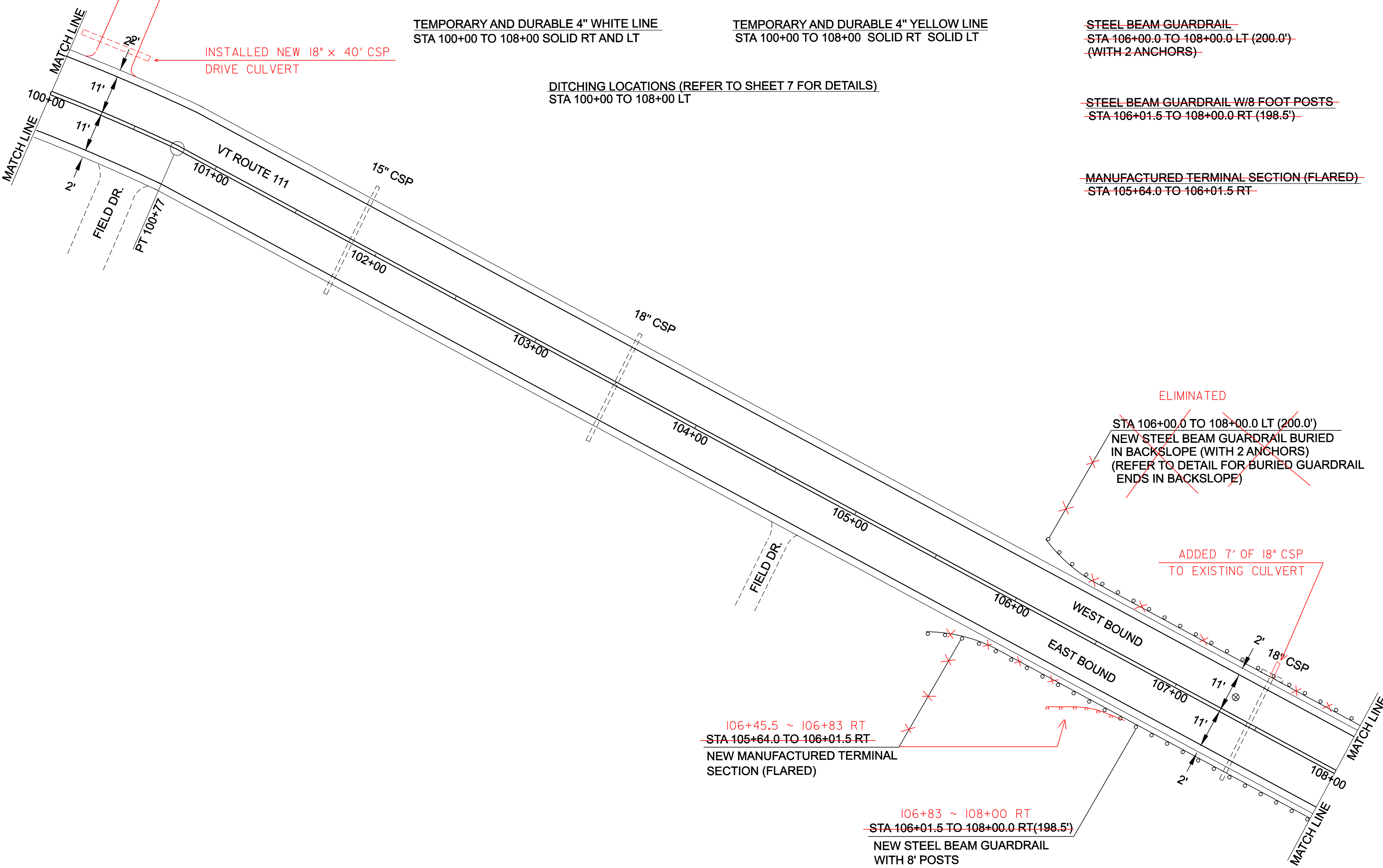
~~STEEL BEAM GUARDRAIL
STA 106+00.0 TO 108+00.0 LT (200.0')
(WITH 2 ANCHORS)~~

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
STA 100+00 TO 108+00 LT

~~STEEL BEAM GUARDRAIL W/8 FOOT POSTS
STA 106+01.5 TO 108+00.0 RT (198.5')~~

~~MANUFACTURED TERMINAL SECTION (FLARED)
STA 105+64.0 TO 106+01.5 RT~~

INSTALLED NEW 18" x 40' CSP
DRIVE CULVERT



ELIMINATED

~~STA 106+00.0 TO 108+00.0 LT (200.0')
NEW STEEL BEAM GUARDRAIL BURIED
IN BACKSLOPE (WITH 2 ANCHORS)
(REFER TO DETAIL FOR BURIED GUARDRAIL
ENDS IN BACKSLOPE)~~

ADDED 7' OF 18" CSP
TO EXISTING CULVERT

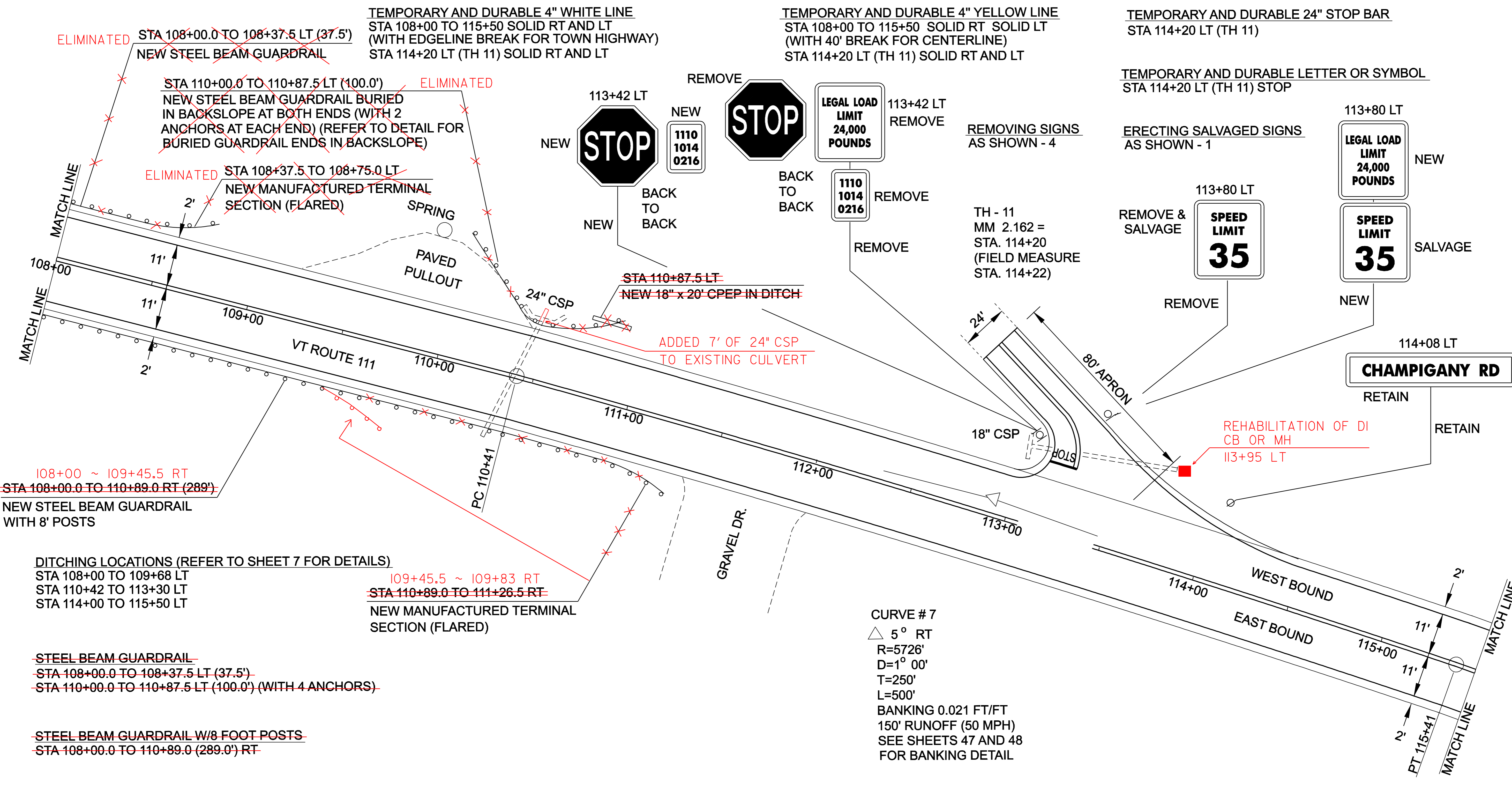
~~106+45.5 ~ 106+83 RT
STA 105+64.0 TO 106+01.5 RT~~
NEW MANUFACTURED TERMINAL
SECTION (FLARED)

~~106+83 ~ 108+00 RT
STA 106+01.5 TO 108+00.0 RT (198.5')~~
NEW STEEL BEAM GUARDRAIL
WITH 8' POSTS

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
5	107+29 LT	6 1/2	BOTTOM	NO

PROJECT
LAYOUT
SHEET #8

DESIGNED BY LFW DATE 6/04
DRAWN BY LFW DATE 6/04
DESIGN FILE NO. pave/99cl92/99cl92.dgn
PRF FILE 99cl92p08.1 DATE PLOTTED 12-MAR-2007 11:3
PROJ. NAME MORGAN
PROJ. NO. AC STP 2220(1)S
SHEET 15 OF 61 SHEETS



TEMPORARY AND DURABLE 4" WHITE LINE
 STA 108+00 TO 115+50 SOLID RT AND LT
 (WITH EDGELINE BREAK FOR TOWN HIGHWAY)
 STA 114+20 LT (TH 11) SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 108+00 TO 115+50 SOLID RT SOLID LT
 (WITH 40' BREAK FOR CENTERLINE)
 STA 114+20 LT (TH 11) SOLID RT AND LT

TEMPORARY AND DURABLE 24" STOP BAR
 STA 114+20 LT (TH 11)

TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA 114+20 LT (TH 11) STOP

~~108+00 ~ 109+45.5 RT
 STA 108+00.0 TO 110+89.0 RT (289.0)
 NEW STEEL BEAM GUARDRAIL
 WITH 8' POSTS~~

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 108+00 TO 109+68 LT
 STA 110+42 TO 113+30 LT
 STA 114+00 TO 115+50 LT

~~STEEL BEAM GUARDRAIL
 STA 108+00.0 TO 108+37.5 LT (37.5)
 STA 110+00.0 TO 110+87.5 LT (100.0) (WITH 4 ANCHORS)~~

~~STEEL BEAM GUARDRAIL W/8 FOOT POSTS
 STA 108+00.0 TO 110+89.0 (289.0) RT~~

~~MANUFACTURED TERMINAL SECTION (FLARED)
 STA 108+37.5 TO 108+75.0 LT
 STA 110+89.0 TO 111+26.5 RT~~

~~109+45.5 ~ 109+83 RT
 STA 110+89.0 TO 111+26.5 RT
 NEW MANUFACTURED TERMINAL
 SECTION (FLARED)~~

CURVE # 7
 △ 5° RT
 R=5726'
 D=1° 00'
 T=250'
 L=500'
 BANKING 0.021 FT/FT
 150' RUNOFF (50 MPH)
 SEE SHEETS 47 AND 48
 FOR BANKING DETAIL

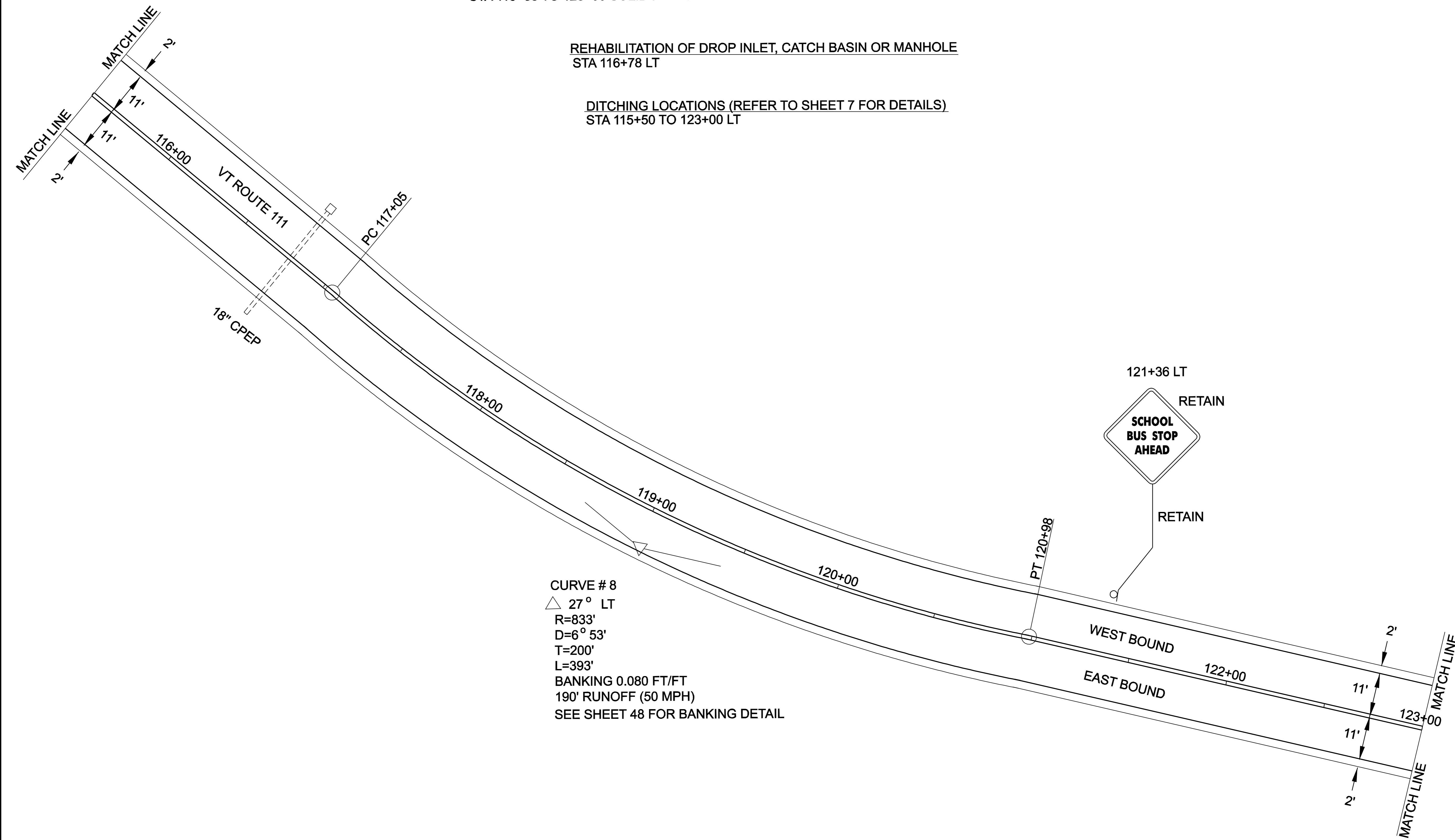
PROJECT LAYOUT SHEET # 9	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p09.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	16	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
STA 115+50 TO 123+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 115+50 TO 123+00 SOLID RT SOLID LT

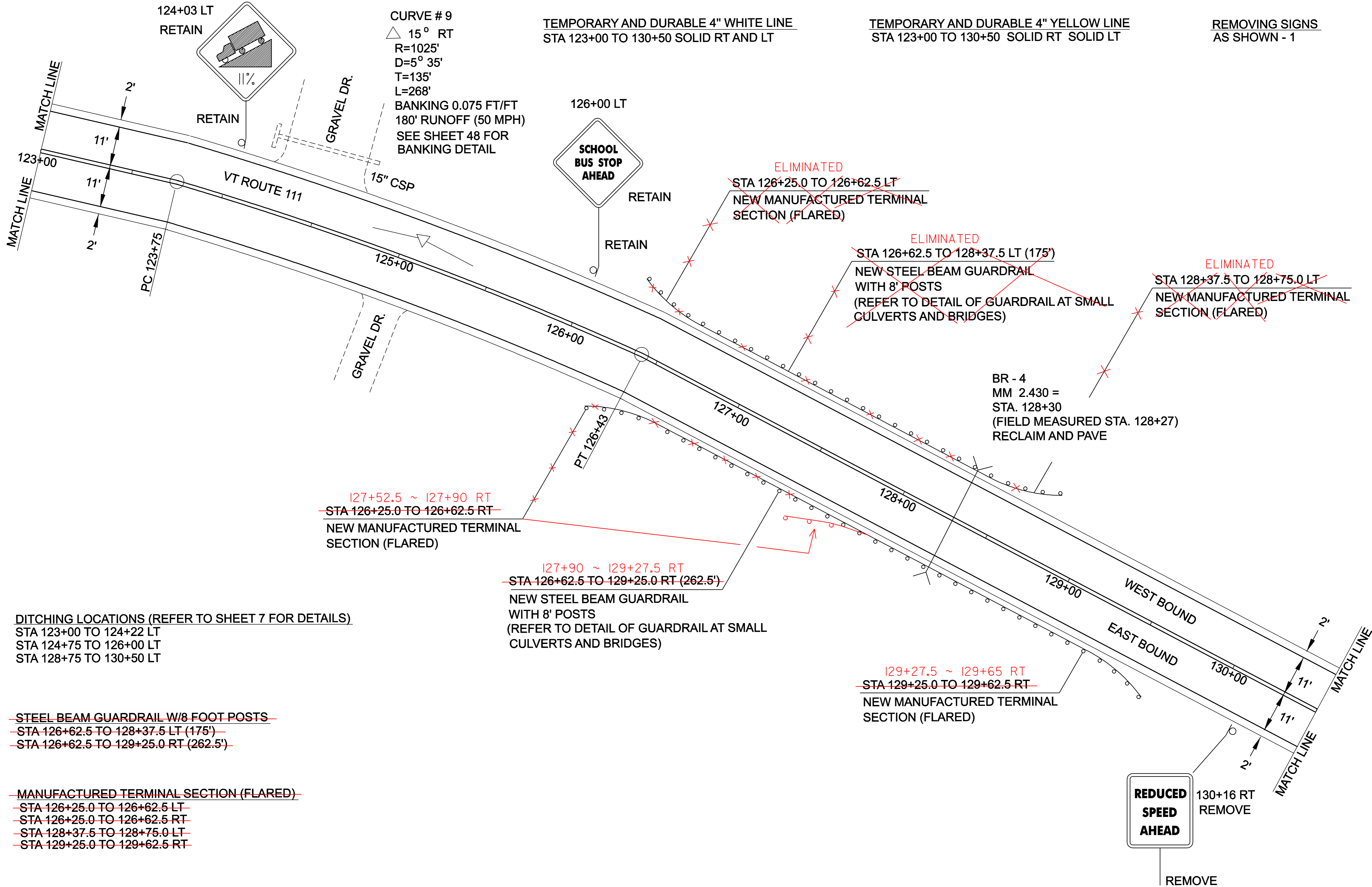
REHABILITATION OF DROP INLET, CATCH BASIN OR MANHOLE
STA 116+78 LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
STA 115+50 TO 123+00 LT



CURVE # 8
△ 27° LT
R=833'
D=6° 53'
T=200'
L=393'
BANKING 0.080 FT/FT
190' RUNOFF (50 MPH)
SEE SHEET 48 FOR BANKING DETAIL

PROJECT LAYOUT SHEET #10	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92pl0.i	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	17	OF	61	SHEETS



124+03 LT
RETAIN

CURVE # 9
 △ 15° RT
 R=1025'
 D=5° 35'
 T=135'
 L=268'
 BANKING 0.075 FT/FT
 180' RUNOFF (50 MPH)
 SEE SHEET 48 FOR BANKING DETAIL

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 123+00 TO 130+50 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 123+00 TO 130+50 SOLID RT SOLID LT

REMOVING SIGNS
 AS SHOWN - 1

126+00 LT



RETAIN

RETAIN

~~ELIMINATED~~
~~STA 126+25.0 TO 126+62.5 LT~~
~~NEW MANUFACTURED TERMINAL SECTION (FLARED)~~

~~ELIMINATED~~
~~STA 126+62.5 TO 128+37.5 LT (175')~~
~~NEW STEEL BEAM GUARDRAIL WITH 8' POSTS (REFER TO DETAIL OF GUARDRAIL AT SMALL CULVERTS AND BRIDGES)~~

~~ELIMINATED~~
~~STA 128+37.5 TO 128+75.0 LT~~
~~NEW MANUFACTURED TERMINAL SECTION (FLARED)~~

BR - 4
 MM 2.430 =
 STA. 128+30
 (FIELD MEASURED STA. 128+27)
 RECLAIM AND PAVE

~~127+52.5 ~ 127+90 RT~~
~~STA 126+25.0 TO 126+62.5 RT~~
~~NEW MANUFACTURED TERMINAL SECTION (FLARED)~~

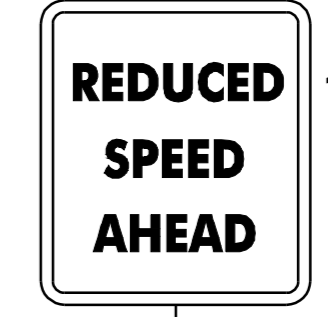
~~127+90 ~ 129+27.5 RT~~
~~STA 126+62.5 TO 129+25.0 RT (262.5')~~
~~NEW STEEL BEAM GUARDRAIL WITH 8' POSTS (REFER TO DETAIL OF GUARDRAIL AT SMALL CULVERTS AND BRIDGES)~~

~~129+27.5 ~ 129+65 RT~~
~~STA 129+25.0 TO 129+62.5 RT~~
~~NEW MANUFACTURED TERMINAL SECTION (FLARED)~~

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 123+00 TO 124+22 LT
 STA 124+75 TO 126+00 LT
 STA 128+75 TO 130+50 LT

~~STEEL BEAM GUARDRAIL W/8 FOOT POSTS~~
~~STA 126+62.5 TO 128+37.5 LT (175')~~
~~STA 126+62.5 TO 129+25.0 RT (262.5')~~

~~MANUFACTURED TERMINAL SECTION (FLARED)~~
~~STA 126+25.0 TO 126+62.5 LT~~
~~STA 126+25.0 TO 126+62.5 RT~~
~~STA 128+37.5 TO 128+75.0 LT~~
~~STA 129+25.0 TO 129+62.5 RT~~



130+16 RT
REMOVE

REMOVE

PROJECT LAYOUT SHEET #11	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p11.l	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	18	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 130+50 TO 137+50 SOLID RT AND LT

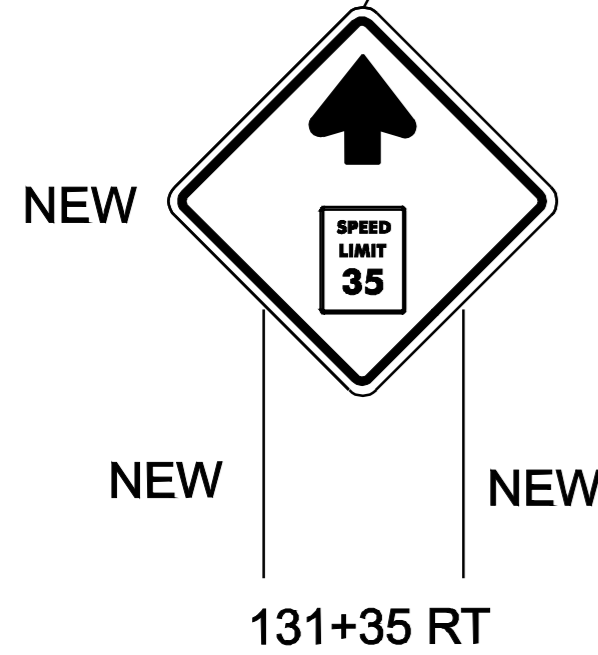
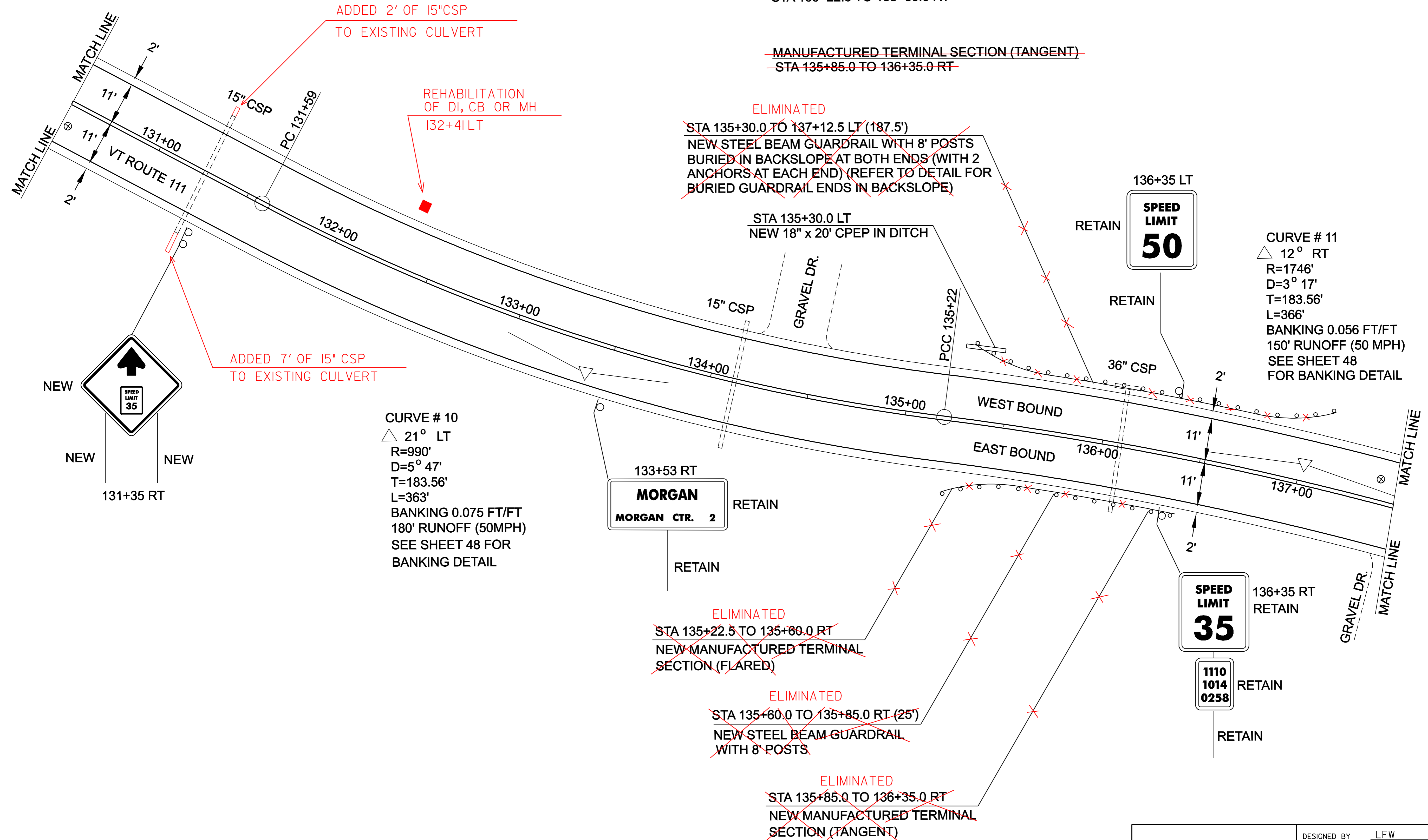
TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 130+50 TO 137+50 SOLID RT SOLID LT

~~STEEL BEAM GUARDRAIL W/8 FOOT POSTS~~
~~STA 135+30.0 TO 137+12.5 LT (187.5') (WITH 4 ANCHORS)~~
~~STA 135+60.0 TO 135+85.0 RT (25')~~

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 130+50 TO 134+12 LT
 STA 135+00 TO 137+42 LT

~~MANUFACTURED TERMINAL SECTION (FLARED)~~
~~STA 135+22.5 TO 135+60.0 RT~~

~~MANUFACTURED TERMINAL SECTION (TANGENT)~~
~~STA 135+85.0 TO 136+35.0 RT~~



ADDED 7' OF 15" CSP
 TO EXISTING CULVERT

ADDED 2' OF 15" CSP
 TO EXISTING CULVERT

REHABILITATION
 OF DI, CB OR MH
 132+41 LT

ELIMINATED
~~STA 135+30.0 TO 137+12.5 LT (187.5')~~
~~NEW STEEL BEAM GUARDRAIL WITH 8' POSTS~~
~~BURIED IN BACKSLOPE AT BOTH ENDS (WITH 2~~
~~ANCHORS AT EACH END) (REFER TO DETAIL FOR~~
~~BURIED GUARDRAIL ENDS IN BACKSLOPE)~~

CURVE # 10
 △ 21° LT
 R=990'
 D=5° 47'
 T=183.56'
 L=363'
 BANKING 0.075 FT/FT
 180' RUNOFF (50MPH)
 SEE SHEET 48 FOR
 BANKING DETAIL

CURVE # 11
 △ 12° RT
 R=1746'
 D=3° 17'
 T=183.56'
 L=366'
 BANKING 0.056 FT/FT
 150' RUNOFF (50 MPH)
 SEE SHEET 48
 FOR BANKING DETAIL

ELIMINATED
~~STA 135+22.5 TO 135+60.0 RT~~
~~NEW MANUFACTURED TERMINAL~~
~~SECTION (FLARED)~~

ELIMINATED
~~STA 135+60.0 TO 135+85.0 RT (25')~~
~~NEW STEEL BEAM GUARDRAIL~~
~~WITH 8' POSTS~~

ELIMINATED
~~STA 135+85.0 TO 136+35.0 RT~~
~~NEW MANUFACTURED TERMINAL~~
~~SECTION (TANGENT)~~

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
6	130+52 RT	6	BOTTOM	NO
7	137+44 LT	7 1/2	NO	NO

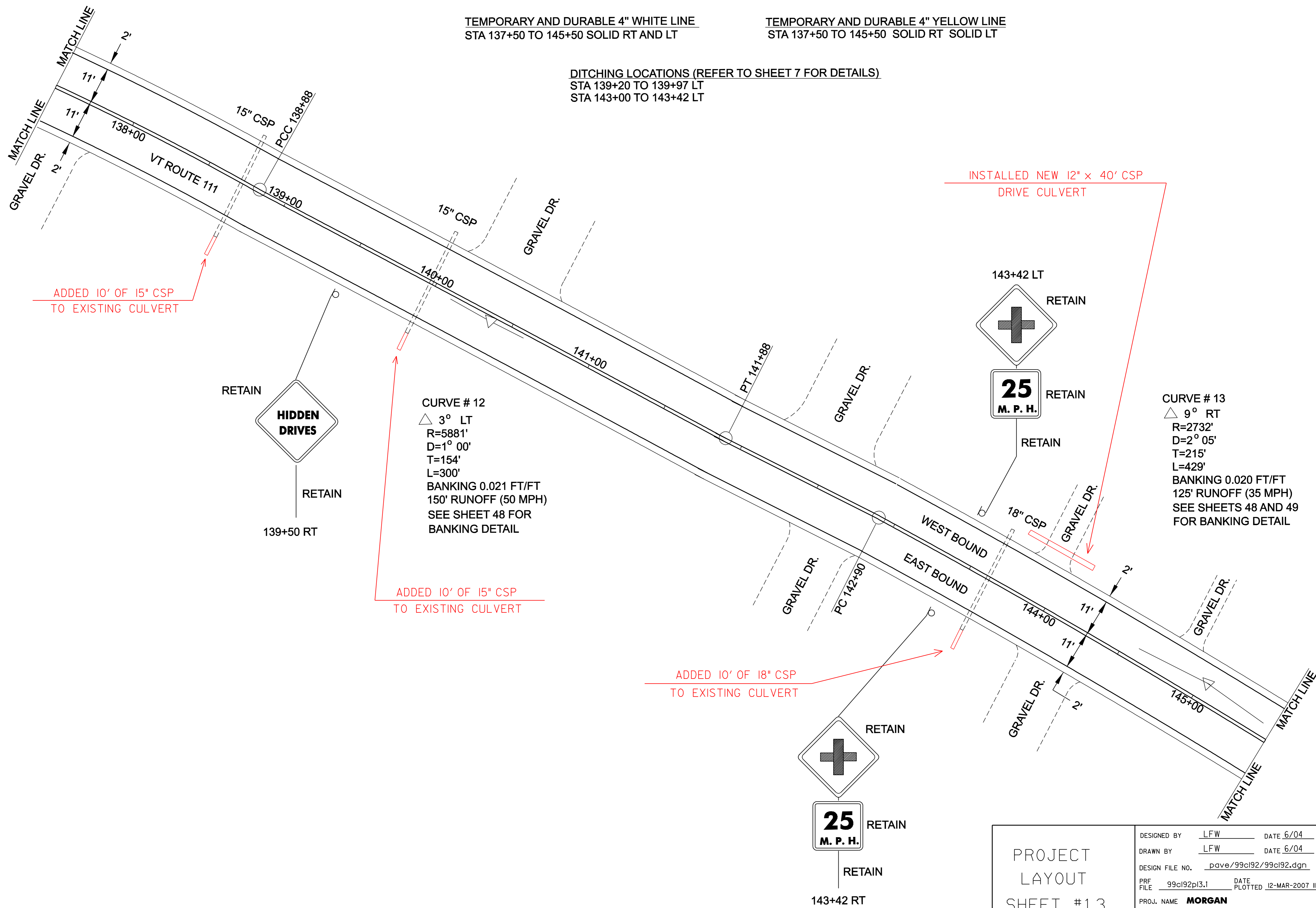
PROJECT
LAYOUT
SHEET #12

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92pl2.1 DATE PLOTTED 12-MAR-2007 11:3
 PROJ. NAME MORGAN
 PROJ. NO. AC STP 2220(1)S
 SHEET 19 OF 61 SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
STA 137+50 TO 145+50 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 137+50 TO 145+50 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
STA 139+20 TO 139+97 LT
STA 143+00 TO 143+42 LT



INSTALLED NEW 12" x 40' CSP
DRIVE CULVERT

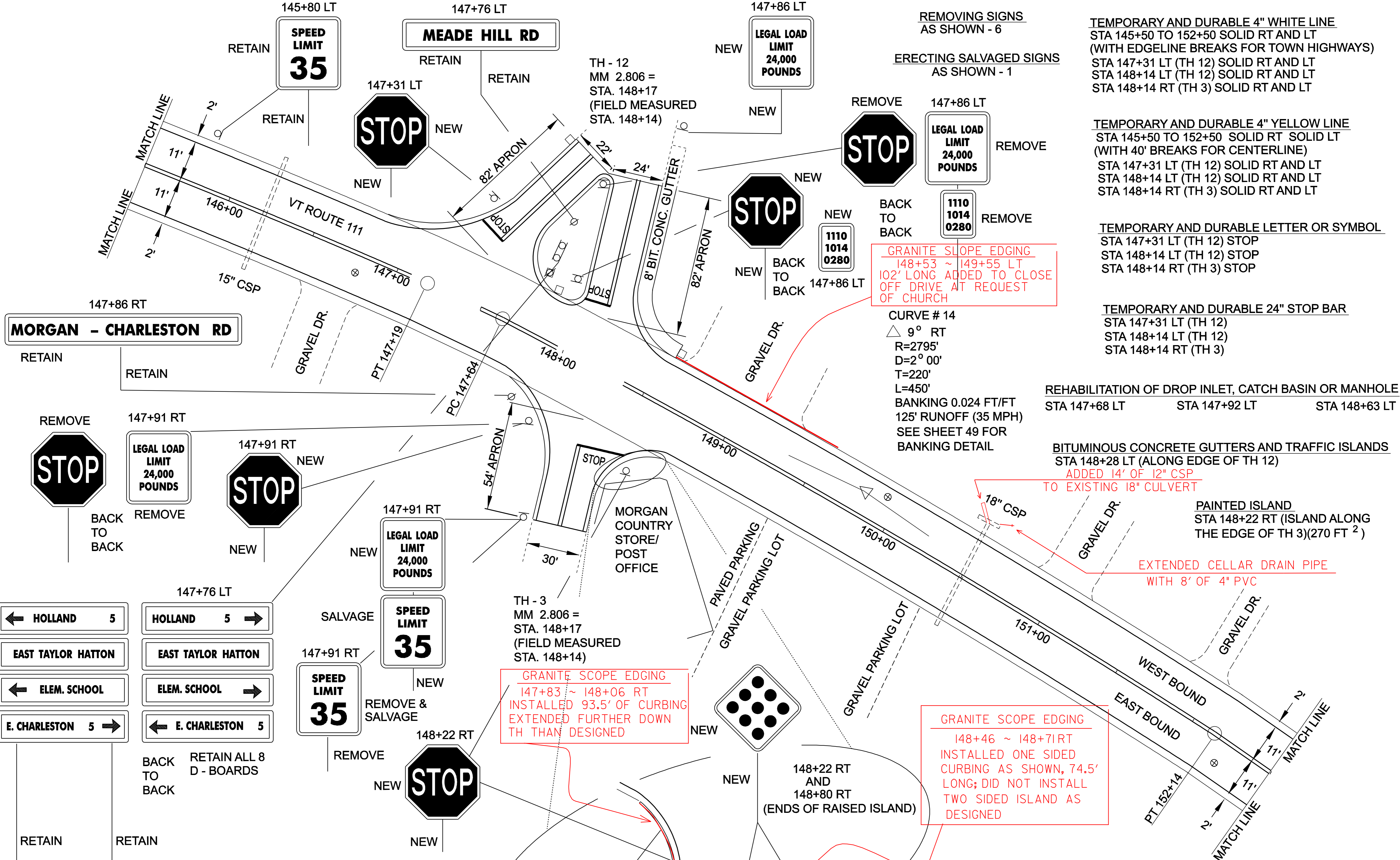
ADDED 10' OF 15" CSP
TO EXISTING CULVERT

ADDED 10' OF 15" CSP
TO EXISTING CULVERT

ADDED 10' OF 18" CSP
TO EXISTING CULVERT

PROJECT
LAYOUT
SHEET #13

DESIGNED BY	LFW	DATE	6/04
DRAWN BY	LFW	DATE	6/04
DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
PRF FILE	99cl92pl3.1	DATE PLOTTED	12-MAR-2007 11:3
PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S		
SHEET	20	OF	61 SHEETS



TEMPORARY AND DURABLE 4" WHITE LINE
 STA 145+50 TO 152+50 SOLID RT AND LT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)
 STA 147+31 LT (TH 12) SOLID RT AND LT
 STA 148+14 LT (TH 12) SOLID RT AND LT
 STA 148+14 RT (TH 3) SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 145+50 TO 152+50 SOLID RT SOLID LT
 (WITH 40' BREAKS FOR CENTERLINE)
 STA 147+31 LT (TH 12) SOLID RT AND LT
 STA 148+14 LT (TH 12) SOLID RT AND LT
 STA 148+14 RT (TH 3) SOLID RT AND LT

TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA 147+31 LT (TH 12) STOP
 STA 148+14 LT (TH 12) STOP
 STA 148+14 RT (TH 3) STOP

TEMPORARY AND DURABLE 24" STOP BAR
 STA 147+31 LT (TH 12)
 STA 148+14 LT (TH 12)
 STA 148+14 RT (TH 3)

REHABILITATION OF DROP INLET, CATCH BASIN OR MANHOLE
 STA 147+68 LT STA 147+92 LT STA 148+63 LT

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
 STA 148+28 LT (ALONG EDGE OF TH 12)
 ADDED 14' OF 12" CSP
 TO EXISTING 18" CULVERT

PAINTED ISLAND
 STA 148+22 RT (ISLAND ALONG
 THE EDGE OF TH 3)(270 FT²)

EXTENDED CELLAR DRAIN PIPE
 WITH 8' OF 4" PVC

GRANITE SLOPE EDGING
 148+53 ~ 149+55 LT
 102' LONG ADDED TO CLOSE
 OFF DRIVE AT REQUEST
 OF CHURCH

CURVE # 14
 Δ 9° RT
 R=2795'
 D=2° 00'
 T=220'
 L=450'
 BANKING 0.024 FT/FT
 125' RUNOFF (35 MPH)
 SEE SHEET 49 FOR
 BANKING DETAIL

GRANITE SCOPE EDGING
 147+83 ~ 148+06 RT
 INSTALLED 93.5' OF CURBING
 EXTENDED FURTHER DOWN
 TH THAN DESIGNED

GRANITE SCOPE EDGING
 148+46 ~ 148+71 RT
 INSTALLED ONE SIDED
 CURBING AS SHOWN, 74.5'
 LONG; DID NOT INSTALL
 TWO SIDED ISLAND AS
 DESIGNED

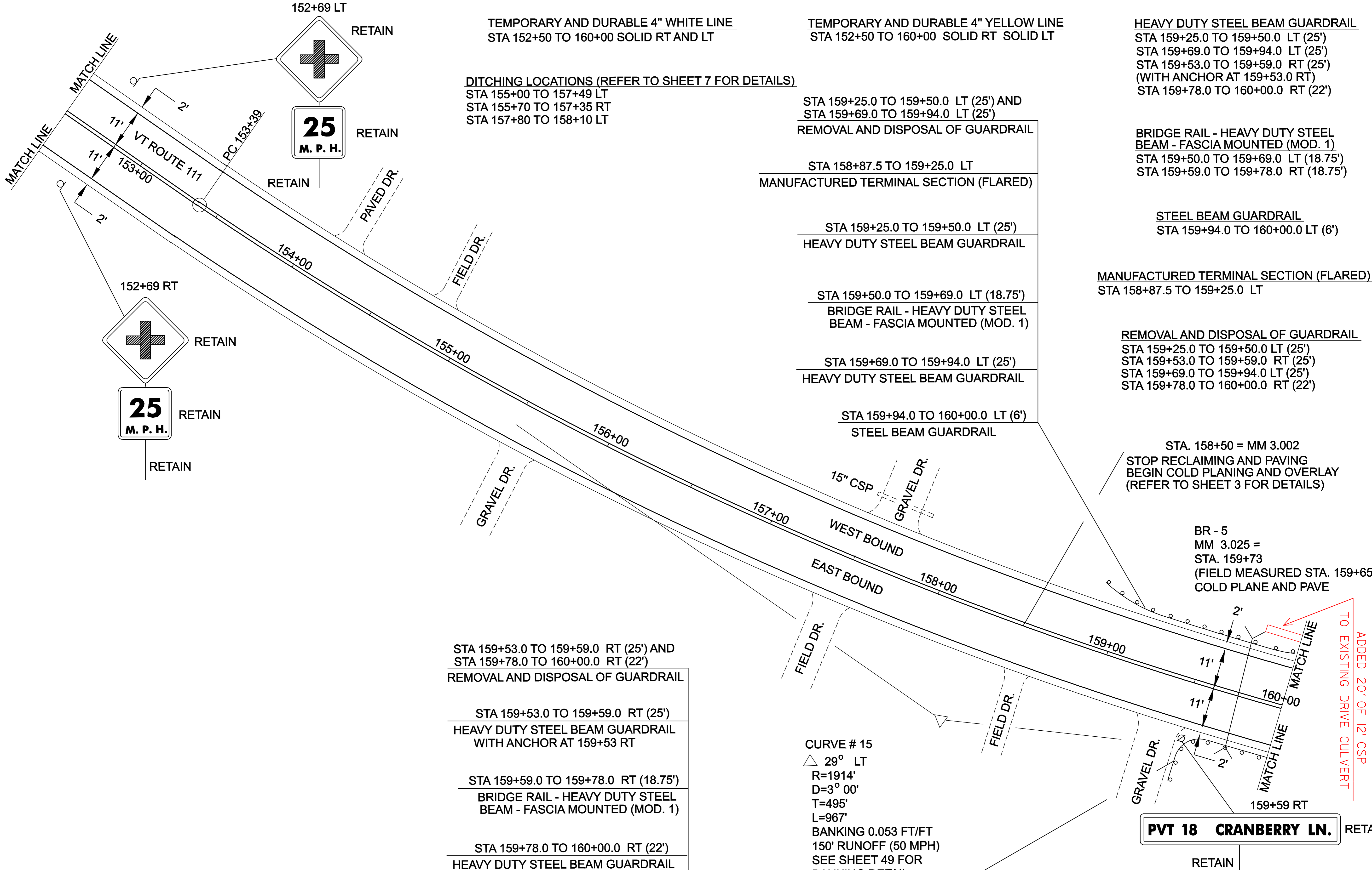
INSTALL GRANITE SLOPE EDGING
 BACKFILL WITH TOPSOIL
 REFER TO SHEET 3 FOR DETAILS
 REFER TO SHEET 6 FOR QUANTITIES

CONSTRUCT RAISED ISLAND
 REFER TO SHEET 3 FOR DETAILS
 REFER TO SHEET 6 FOR QUANTITIES

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
8	146+78 RT	6	NO	NO
9	149+85 LT	6 1/2	BOTTOM	NO
10	152+22 RT	6 1/2	BOTTOM	NO

PROJECT LAYOUT SHEET #14

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92pl4.1 DATE PLOTTED 12-MAR-2007 11:3
 PROJ. NAME **MORGAN**
 PROJ. NO. **AC STP 2220(1)S**
 SHEET **21** OF **61** SHEETS



TEMPORARY AND DURABLE 4" WHITE LINE
 STA 152+50 TO 160+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 152+50 TO 160+00 SOLID RT SOLID LT

HEAVY DUTY STEEL BEAM GUARDRAIL
 STA 159+25.0 TO 159+50.0 LT (25')
 STA 159+69.0 TO 159+94.0 LT (25')
 STA 159+53.0 TO 159+59.0 RT (25')
 (WITH ANCHOR AT 159+53.0 RT)
 STA 159+78.0 TO 160+00.0 RT (22')

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 155+00 TO 157+49 LT
 STA 155+70 TO 157+35 RT
 STA 157+80 TO 158+10 LT

STA 159+25.0 TO 159+50.0 LT (25') AND
 STA 159+69.0 TO 159+94.0 LT (25')
 REMOVAL AND DISPOSAL OF GUARDRAIL

BRIDGE RAIL - HEAVY DUTY STEEL BEAM - FASCIA MOUNTED (MOD. 1)
 STA 159+50.0 TO 159+69.0 LT (18.75')
 STA 159+59.0 TO 159+78.0 RT (18.75')

STA 158+87.5 TO 159+25.0 LT
 MANUFACTURED TERMINAL SECTION (FLARED)

STEEL BEAM GUARDRAIL
 STA 159+94.0 TO 160+00.0 LT (6')

STA 159+25.0 TO 159+50.0 LT (25')
 HEAVY DUTY STEEL BEAM GUARDRAIL

MANUFACTURED TERMINAL SECTION (FLARED)
 STA 158+87.5 TO 159+25.0 LT

STA 159+50.0 TO 159+69.0 LT (18.75')
 BRIDGE RAIL - HEAVY DUTY STEEL BEAM - FASCIA MOUNTED (MOD. 1)

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA 159+25.0 TO 159+50.0 LT (25')
 STA 159+53.0 TO 159+59.0 RT (25')
 STA 159+69.0 TO 159+94.0 LT (25')
 STA 159+78.0 TO 160+00.0 RT (22')

STA 159+69.0 TO 159+94.0 LT (25')
 HEAVY DUTY STEEL BEAM GUARDRAIL

STA 159+94.0 TO 160+00.0 LT (6')
 STEEL BEAM GUARDRAIL

STA. 158+50 = MM 3.002
 STOP RECLAIMING AND PAVING
 BEGIN COLD PLANING AND OVERLAY
 (REFER TO SHEET 3 FOR DETAILS)

BR - 5
 MM 3.025 =
 STA. 159+73
 (FIELD MEASURED STA. 159+65)
 COLD PLANE AND PAVE

STA 159+53.0 TO 159+59.0 RT (25') AND
 STA 159+78.0 TO 160+00.0 RT (22')
 REMOVAL AND DISPOSAL OF GUARDRAIL

STA 159+53.0 TO 159+59.0 RT (25')
 HEAVY DUTY STEEL BEAM GUARDRAIL
 WITH ANCHOR AT 159+53 RT

STA 159+59.0 TO 159+78.0 RT (18.75')
 BRIDGE RAIL - HEAVY DUTY STEEL BEAM - FASCIA MOUNTED (MOD. 1)

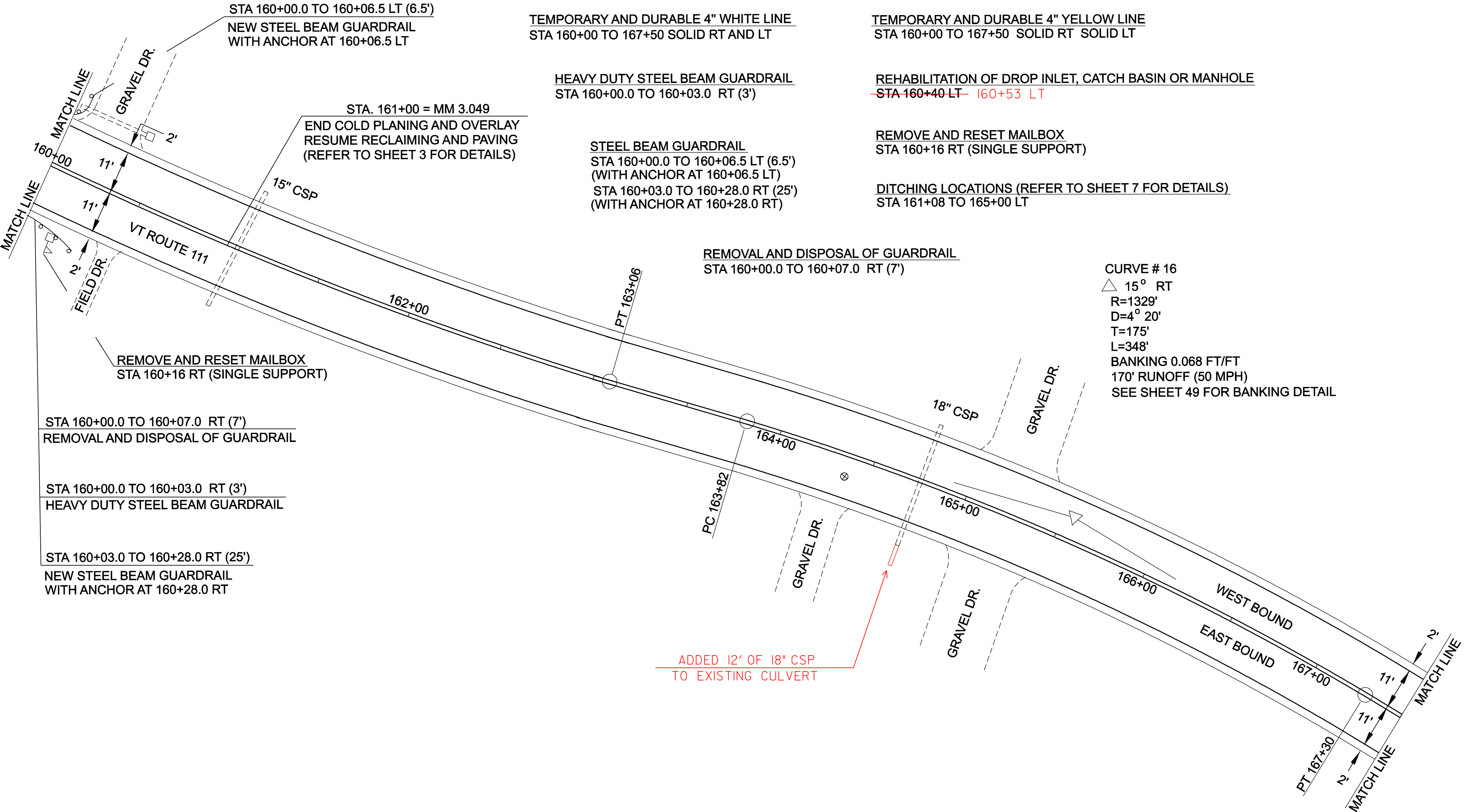
STA 159+78.0 TO 160+00.0 RT (22')
 HEAVY DUTY STEEL BEAM GUARDRAIL

CURVE # 15
 △ 29° LT
 R=1914'
 D=3° 00'
 T=495'
 L=967'
 BANKING 0.053 FT/FT
 150' RUNOFF (50 MPH)
 SEE SHEET 49 FOR BANKING DETAIL

ADDED 20' OF 12" CSP
 TO EXISTING DRIVE CULVERT

PVT 18 CRANBERRY LN. RETAIN

PROJECT LAYOUT SHEET #15	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92pl5.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	22	OF	61	SHEETS



MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION

CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
11	164+42 RT	4	NO	NO

PROJECT LAYOUT SHEET #16

DESIGNED BY LFW DATE 6/04

DRAWN BY LFW DATE 6/04

DESIGN FILE NO. pave/99cl92/99cl92.dgn

PRF FILE 99cl92pl6.i DATE 12-MAR-2007 11:3

PROJ. NAME **MORGAN**

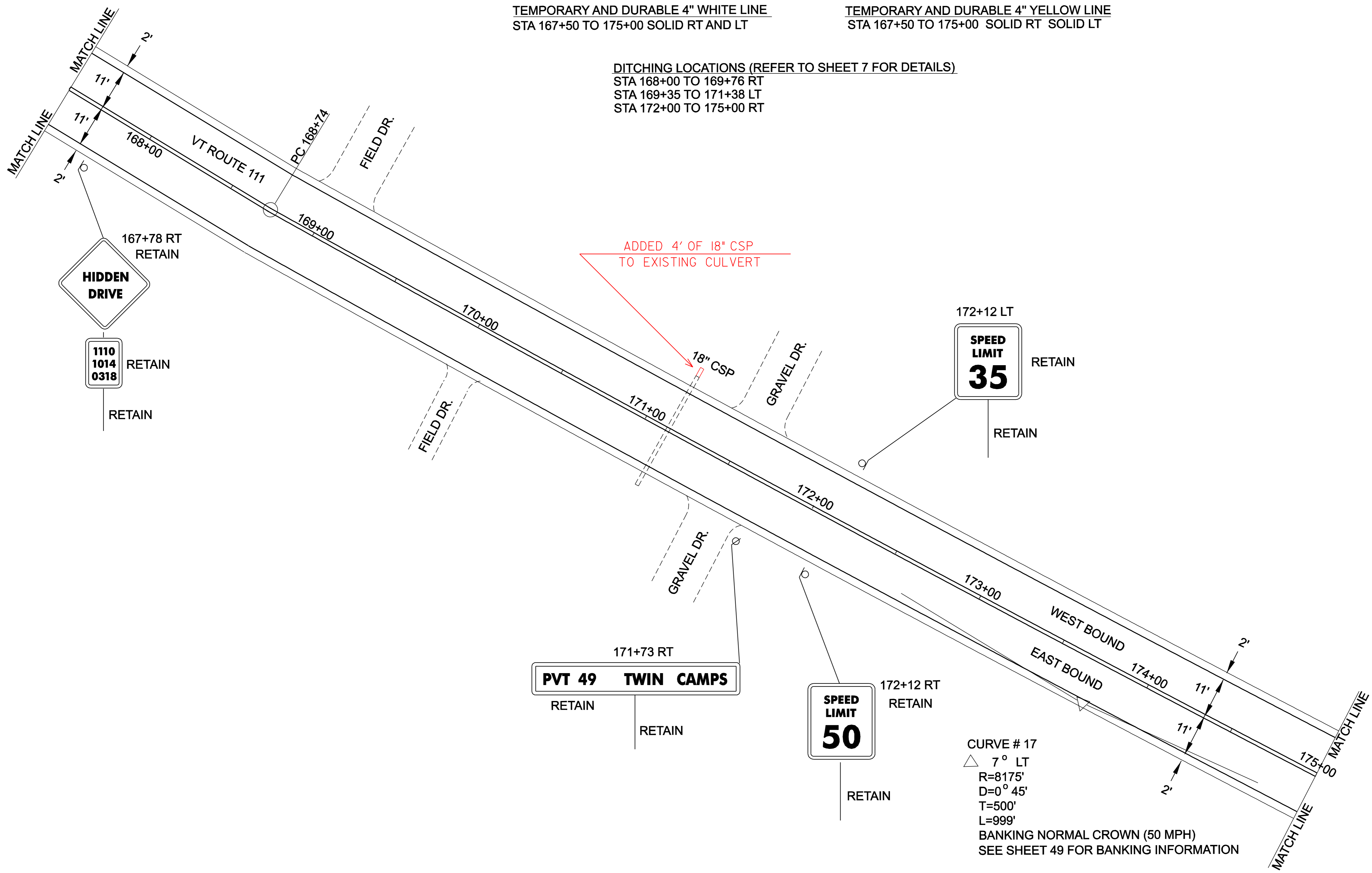
PROJ. NO. **AC STP 2220(1)S**

SHEET **23** OF **61** SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
STA 167+50 TO 175+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 167+50 TO 175+00 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
STA 168+00 TO 169+76 RT
STA 169+35 TO 171+38 LT
STA 172+00 TO 175+00 RT



CURVE # 17
△ 7° LT
R=8175'
D=0° 45'
T=500'
L=999'
BANKING NORMAL CROWN (50 MPH)
SEE SHEET 49 FOR BANKING INFORMATION

PROJECT LAYOUT SHEET #17	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p17.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	24	OF	61	SHEETS

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)

STA 175+00 TO 175+83 RT
 STA 176+40 TO 179+25 LT
 STA 179+64 TO 182+50 LT
 STA 181+25 TO 182+50 RT

TEMPORARY AND DURABLE 4" WHITE LINE

STA 175+00 TO 183+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE

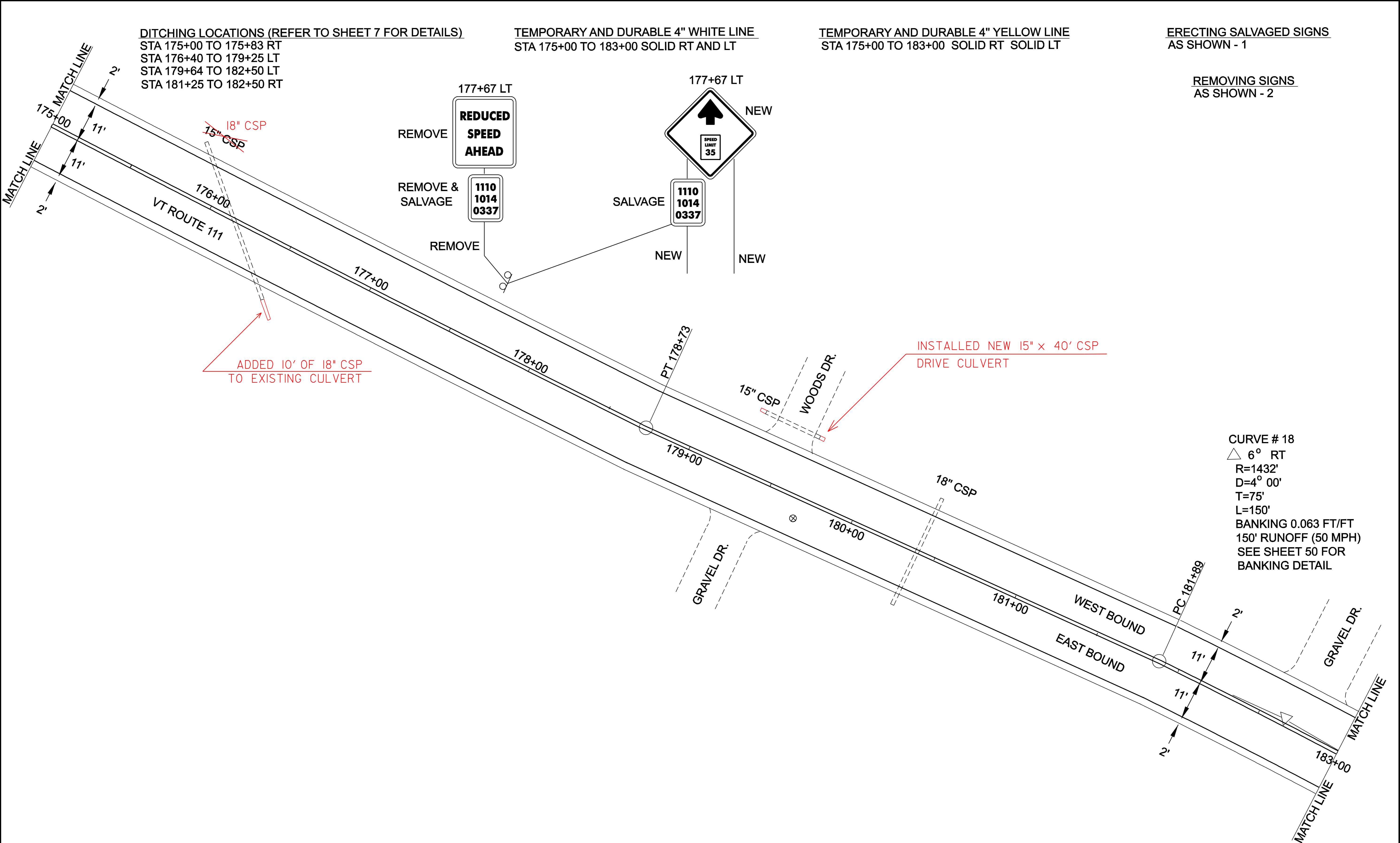
STA 175+00 TO 183+00 SOLID RT SOLID LT

ERECTING SALVAGED SIGNS

AS SHOWN - 1

REMOVING SIGNS

AS SHOWN - 2



ADDED 10' OF 18" CSP TO EXISTING CULVERT

INSTALLED NEW 15' x 40' CSP DRIVE CULVERT

CURVE # 18
 △ 6° RT
 R=1432'
 D=4° 00'
 T=75'
 L=150'
 BANKING 0.063 FT/FT
 150' RUNOFF (50 MPH)
 SEE SHEET 50 FOR BANKING DETAIL

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
12	179+63 RT	4 1/2	NO	NO

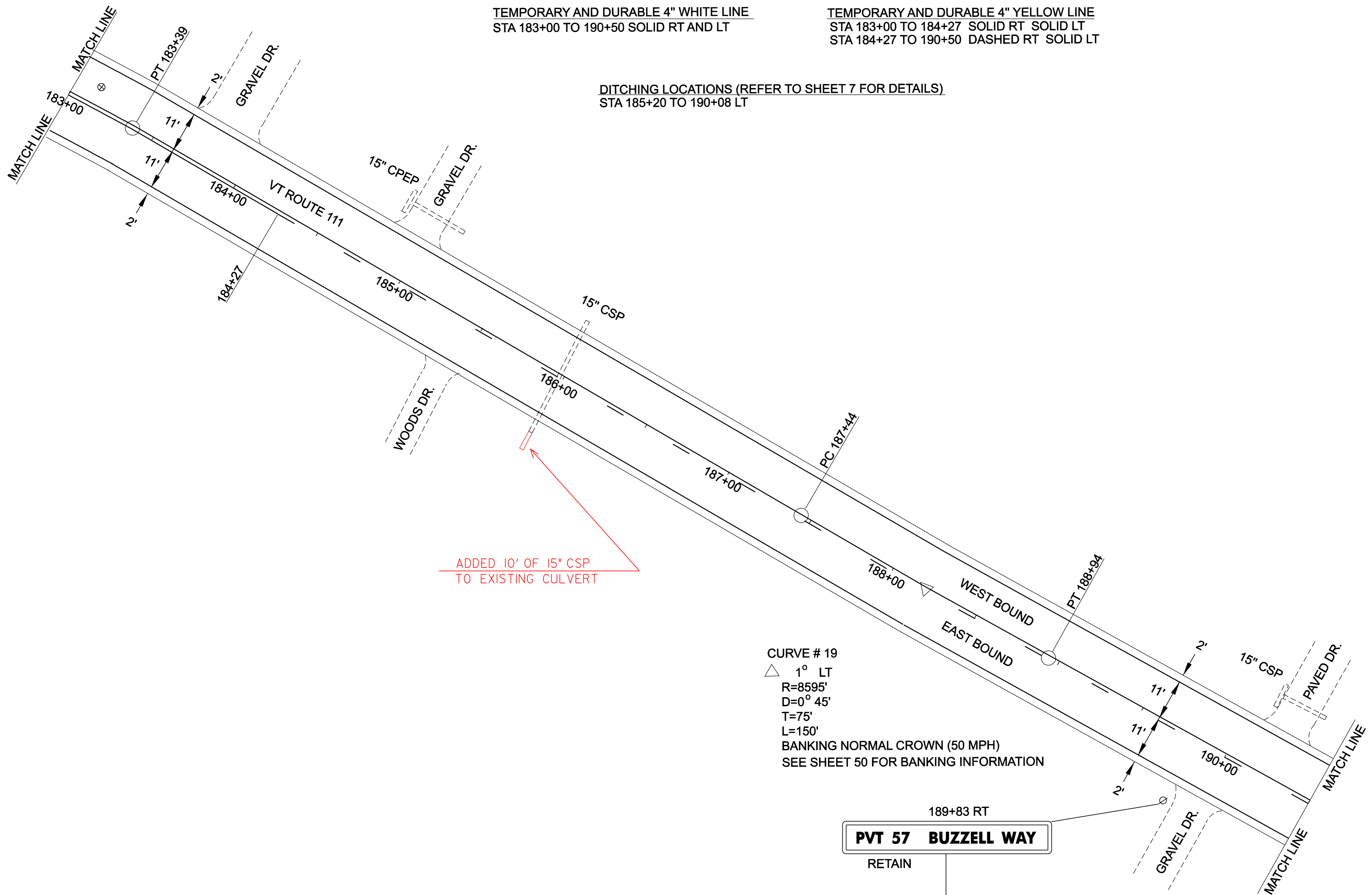
PROJECT LAYOUT SHEET #18

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92p18.1 DATE PLOTTED 12-MAR-2007 11:33
 PROJ. NAME MORGAN
 PROJ. NO. AC STP 2220(1)S
 SHEET 25 OF 61 SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 183+00 TO 190+50 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 183+00 TO 184+27 SOLID RT SOLID LT
 STA 184+27 TO 190+50 DASHED RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 185+20 TO 190+08 LT



ADDED 10' OF 15" CSP
 TO EXISTING CULVERT

CURVE # 19
 △ 1° LT
 R=8595'
 D=0° 45'
 T=75'
 L=150'
 BANKING NORMAL CROWN (50 MPH)
 SEE SHEET 50 FOR BANKING INFORMATION

189+83 RT
PVT 57 BUZZELL WAY
 RETAIN
 RETAIN

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
13	183+11 LT	5	NO	NO

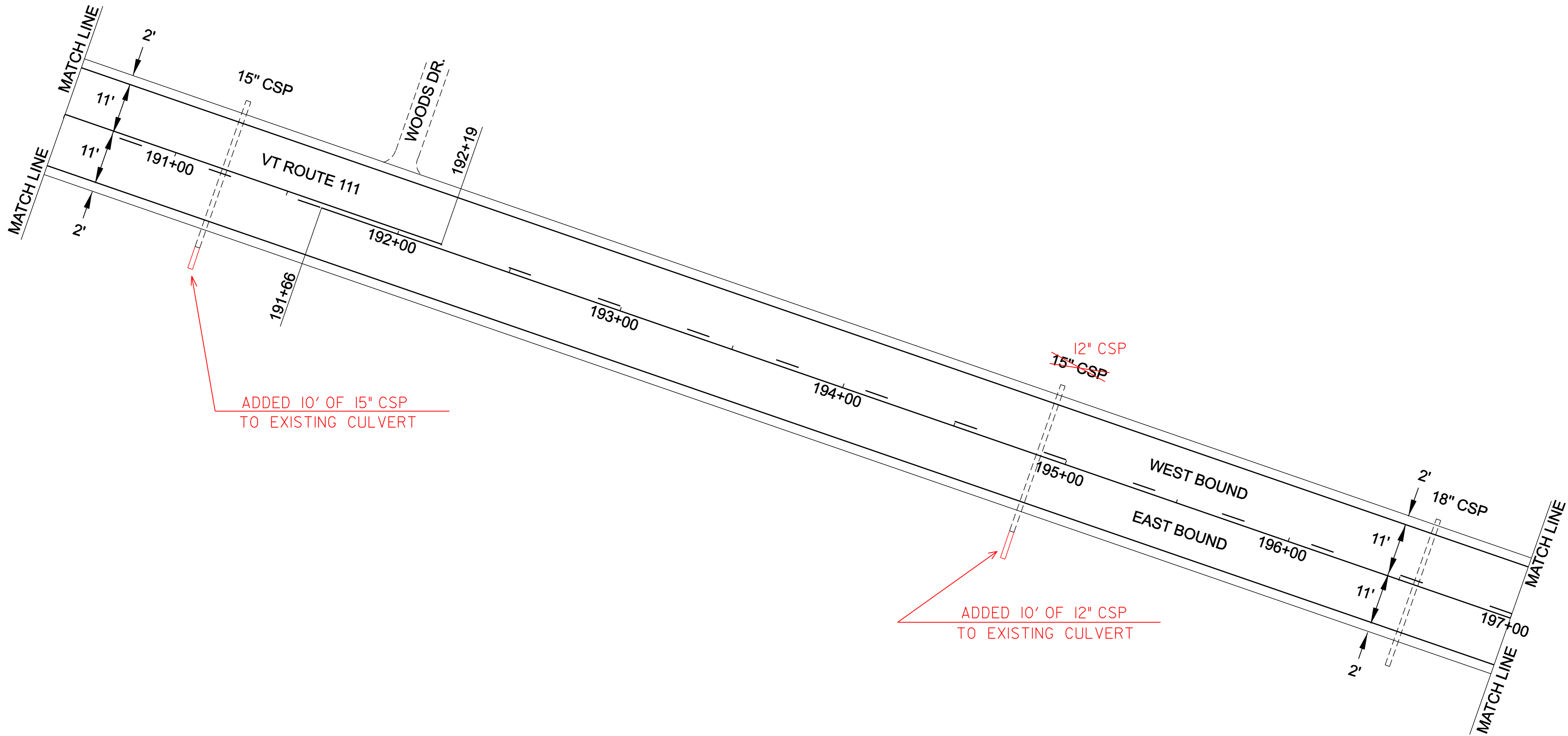
PROJECT
LAYOUT
SHEET #19

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92p19.1 DATE 12-MAR-2007 11:3
 PROJ. NAME **MORGAN**
 PROJ. NO. **AC STP 2220(1)S**
 SHEET **26** OF **61** SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
STA 190+50 TO 197+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 190+50 TO 191+66 DASHED RT SOLID LT
STA 191+66 TO 192+19 SOLID RT SOLID LT
STA 192+19 TO 197+00 SOLID RT DASHED LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
STA 192+15 TO 194+88 LT
STA 196+58 TO 197+00 LT



PROJECT LAYOUT SHEET #20	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p20.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	27	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 205+00 TO 213+00 SOLID RT AND LT
 (WITH EDGELINE BREAK FOR TOWN HIGHWAY)

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 205+00 TO 213+00 SOLID RT SOLID LT
 (WITH 40' BREAK FOR CENTERLINE)

REMOVING SIGNS
 AS SHOWN - 2

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 205+00 TO 208+80 LT
 STA 208+96 TO 213+00 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA 205+45.0 TO 207+30.0 RT (185')

~~STEEL BEAM GUARDRAIL~~
~~STA 205+82.5 TO 206+95.0 RT (112.5')~~

REMOVAL AND DISPOSAL OF GUIDE POSTS
 STA 207+36 RT (1)
 STA 208+00 TO 209+95 RT (13)
 STA 212+64 TO 213+00 RT (3)

~~STEEL BEAM GUARDRAIL W/8 FOOT POSTS~~
~~STA 208+37.5 TO 209+62.5 RT (125')~~

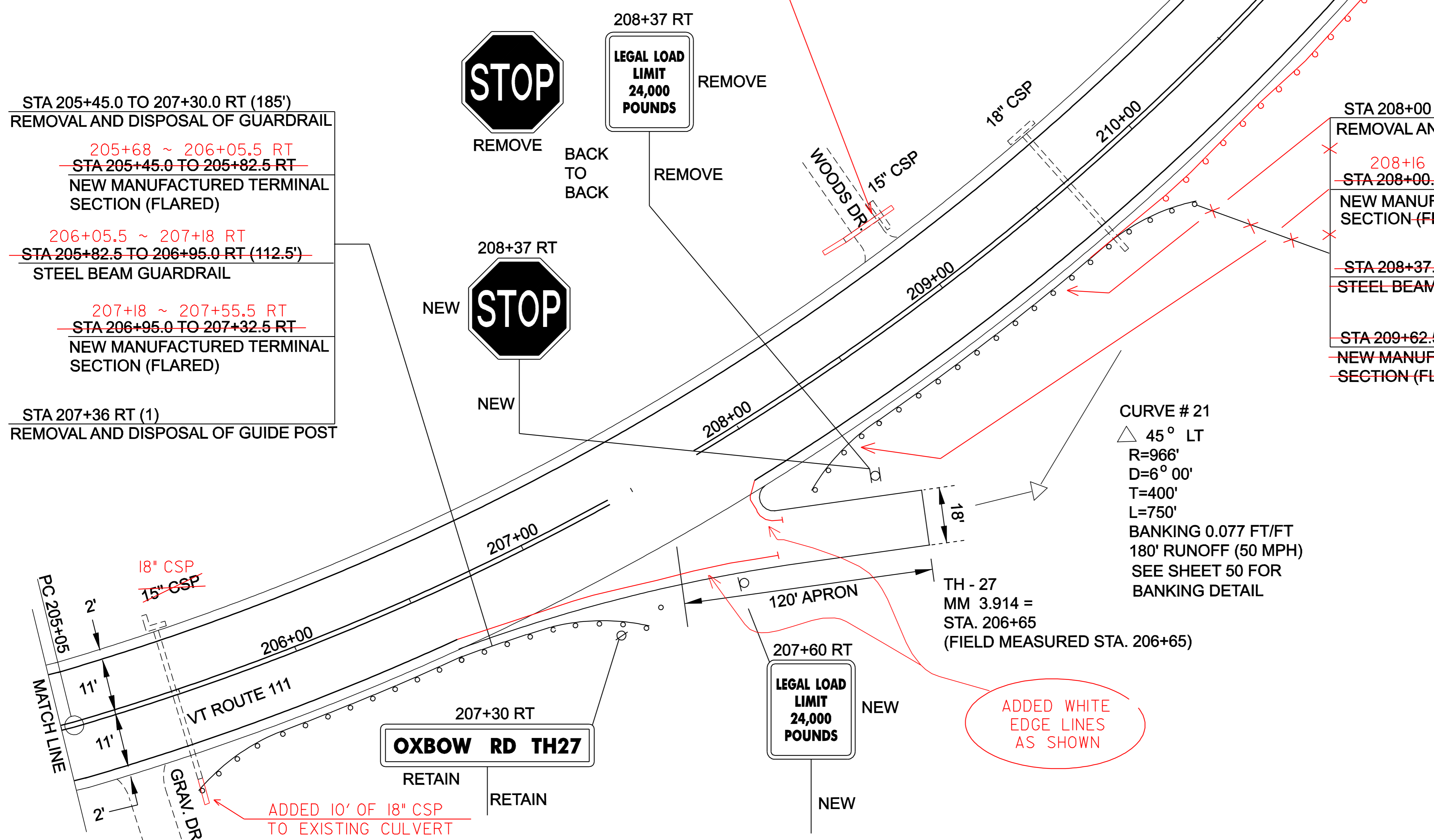
STA 212+64 TO 213+00 RT (3)
 REMOVAL AND DISPOSAL OF
 GUIDE POSTS

~~MANUFACTURED TERMINAL SECTION (FLARED)~~
~~STA 205+45.0 TO 205+82.5 RT~~
~~STA 206+95.0 TO 207+32.5 RT~~
~~STA 208+00.0 TO 208+37.5 RT~~
~~STA 209+62.5 TO 210+00.0 RT~~
~~STA 212+64.0 TO 213+01.5 RT~~

~~STA 212+64.0 TO 213+01.5 RT~~
~~NEW MANUFACTURED TERMINAL~~
~~SECTION (FLARED)~~

STA 205+45.0 TO 207+30.0 RT (185')
 REMOVAL AND DISPOSAL OF GUARDRAIL
 205+68 ~ 206+05.5 RT
~~STA 205+45.0 TO 205+82.5 RT~~
 NEW MANUFACTURED TERMINAL
 SECTION (FLARED)
 206+05.5 ~ 207+18 RT
~~STA 205+82.5 TO 206+95.0 RT (112.5')~~
 STEEL BEAM GUARDRAIL
 207+18 ~ 207+55.5 RT
~~STA 206+95.0 TO 207+32.5 RT~~
 NEW MANUFACTURED TERMINAL
 SECTION (FLARED)
 STA 207+36 RT (1)
 REMOVAL AND DISPOSAL OF GUIDE POST

STA 208+00 TO 209+95 RT (13)
 REMOVAL AND DISPOSAL OF GUIDE POSTS
 208+16 ~ 208+66 RT
~~STA 208+00.0 TO 208+37.5 RT~~
 NEW MANUFACTURED TERMINAL
 SECTION (FLARED)
~~STA 208+37.5 TO 209+62.5 RT (125')~~
 STEEL BEAM GUARDRAIL WITH 8' POSTS
~~STA 209+62.5 TO 210+00.0 RT~~
 NEW MANUFACTURED TERMINAL
 SECTION (FLARED)



INSTALLED NEW 15" x 35' CSP
 DRIVE CULVERT

208+66 ~ 213+0 RT
 STEEL BEAM GUARDRAIL WITH
 8' POSTS, COMBINED TWO DESIGN
 RUNS.

CURVE # 21
 Δ 45° LT
 R=966'
 D=6° 00'
 T=400'
 L=750'
 BANKING 0.077 FT/FT
 180' RUNOFF (50 MPH)
 SEE SHEET 50 FOR
 BANKING DETAIL

TH - 27
 MM 3.914 =
 STA. 206+65
 (FIELD MEASURED STA. 206+65)

ADDED WHITE
 EDGE LINES
 AS SHOWN

PROJECT LAYOUT SHEET #22	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p22.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	29	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 213+00 TO 221+50 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 213+00 TO 221+50 SOLID RT SOLID LT

REMOVING SIGNS
 AS SHOWN - 1

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 213+00 TO 213+50 LT

~~REMOVE AND RESET GUARDRAIL
 STA 218+25.0 TO 221+50.0 RT (325')~~

REMOVAL AND DISPOSAL OF GUIDE POSTS
 STA 213+00 TO 214+08 RT (7)

~~STEEL BEAM GUARDRAIL W/8 FOOT POSTS
 STA 213+01.5 TO 213+76.5 RT (75')~~

~~MANUFACTURED TERMINAL SECTION (FLARED)
 STA 213+76.5 TO 214+14.0 RT~~

STA 213+00 TO 214+08 RT (7)
 REMOVAL AND DISPOSAL OF
 GUIDE POSTS

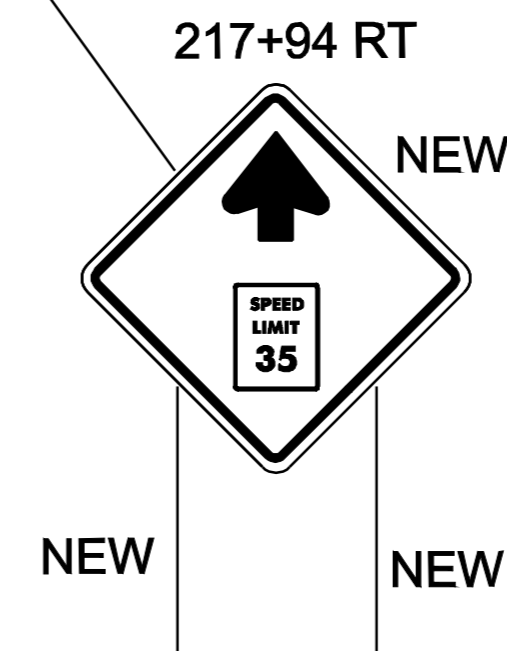
~~213+0 ~ 214+03.5 RT
 STA 213+01.5 TO 213+76.5 RT (75')~~
 STEEL BEAM GUARDRAIL
 WITH 8' POSTS

~~214+03.5 ~ 214+14 RT
 STA 213+76.5 TO 214+14.0 RT~~
 NEW MANUFACTURED TERMINAL
 SECTION (FLARED)

BR - 6
 MM 4.091 =
 STA. 215+99
 FIELD MEASURED STA. 215+94)
 RECLAIM AND PAVE

ANCHOR FOR STEEL BEAM GUARDRAIL
 218+60 RT
 219+10 RT

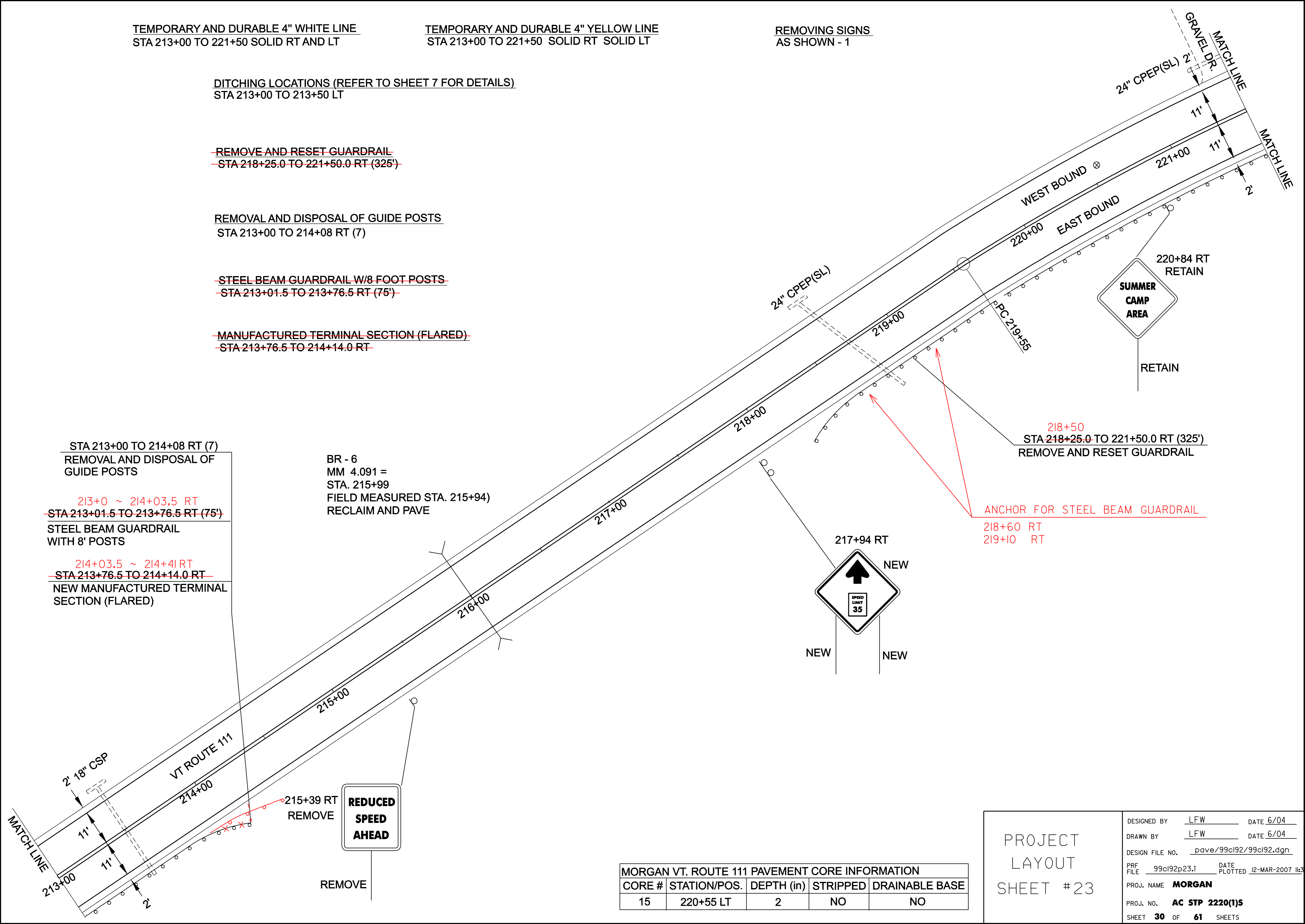
218+50
 STA 218+25.0 TO 221+50.0 RT (325')
 REMOVE AND RESET GUARDRAIL



MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
15	220+55 LT	2	NO	NO

PROJECT
 LAYOUT
 SHEET #23

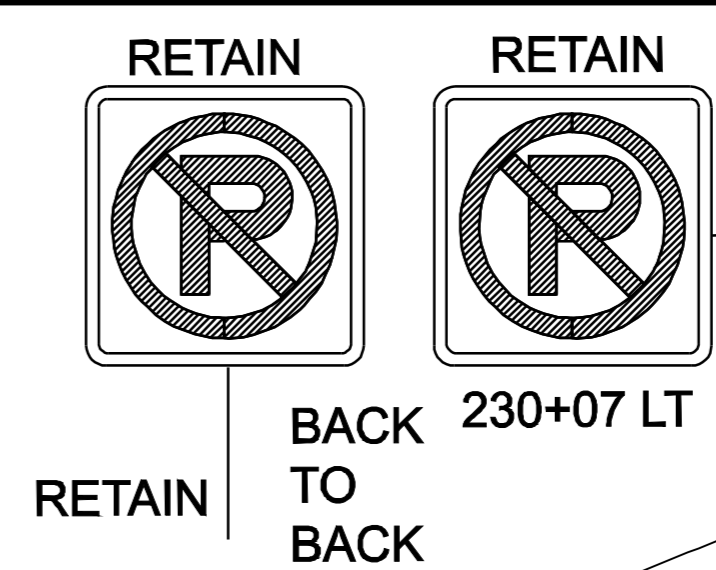
DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92p23.1 DATE PLOTTED 12-MAR-2007 11:3
 PROJ. NAME MORGAN
 PROJ. NO. AC STP 2220(1)S
 SHEET 30 OF 61 SHEETS



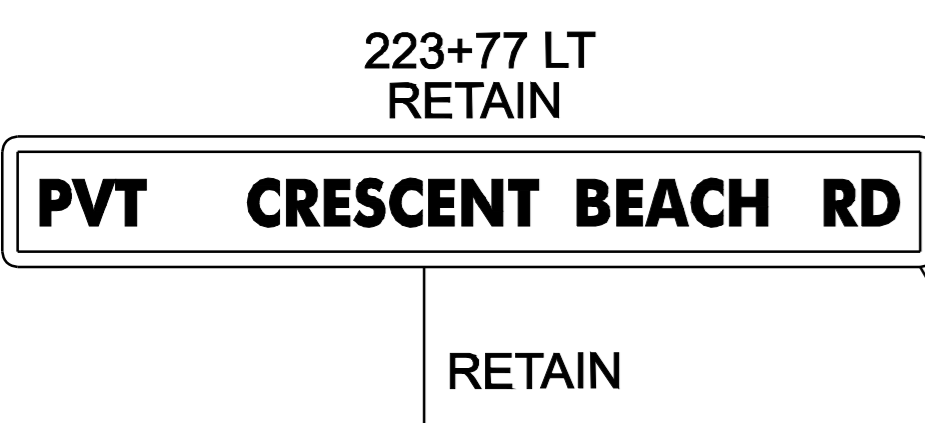
TEMPORARY AND DURABLE 4" WHITE LINE
 STA 221+50 TO 230+50 SOLID RT AND LT
 (WITH EDGELINE BREAK FOR TOWN HIGHWAY)

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 221+50 TO 230+50 SOLID RT SOLID LT
 (WITH 40' BREAK FOR CENTERLINE)

REMOVING SIGNS
 AS SHOWN - 3



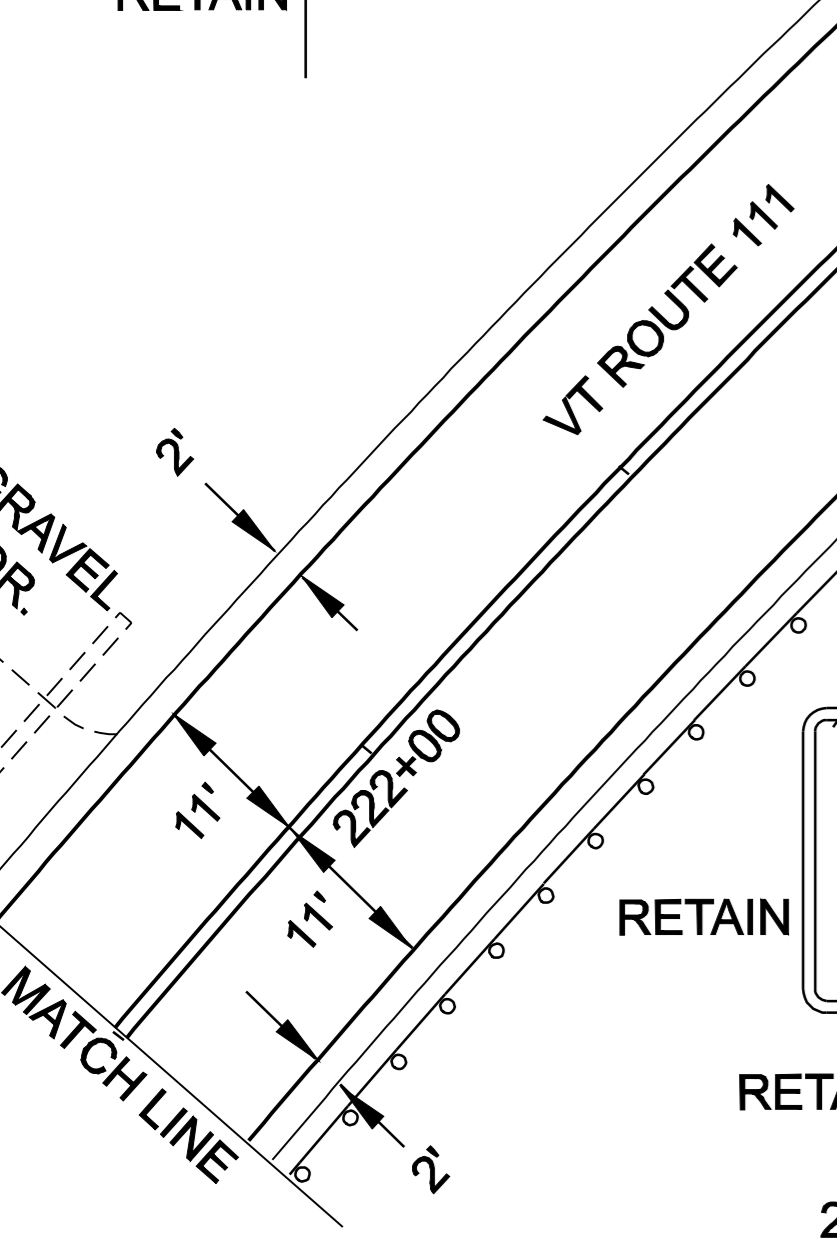
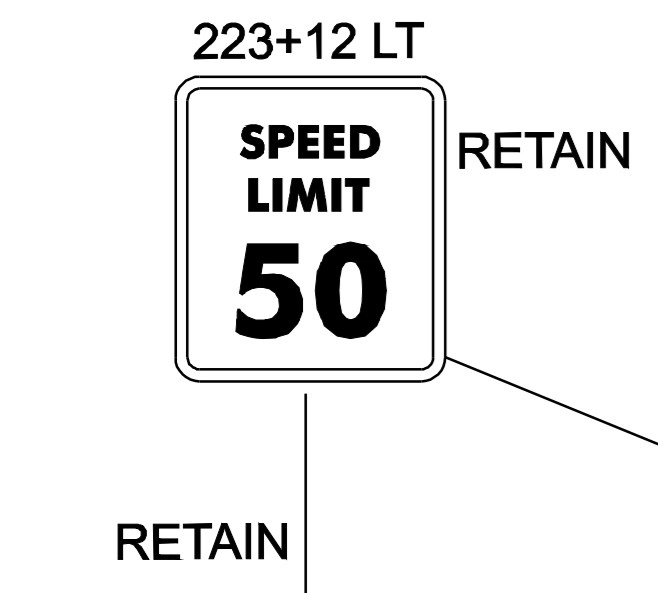
CURVE # 22
 Δ 45° RT
 R=1388'
 D=4° 08'
 T=575'
 L=1090'
 BANKING 0.064 FT/FT
 160' RUNOFF (50MPH)
 SEE SHEET 51 FOR
 BANKING DETAIL



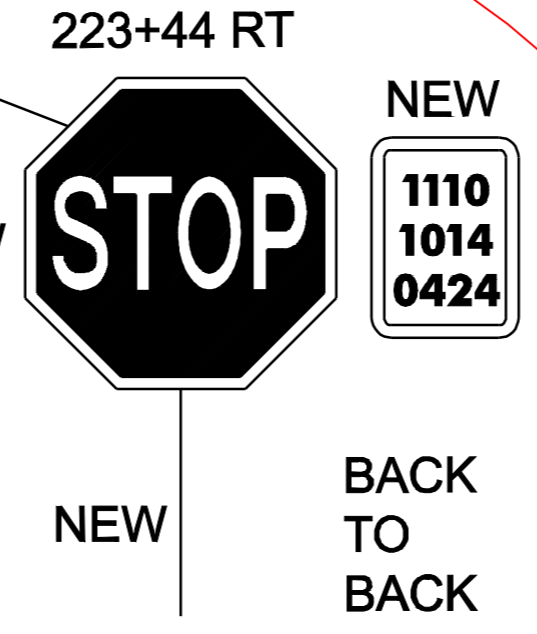
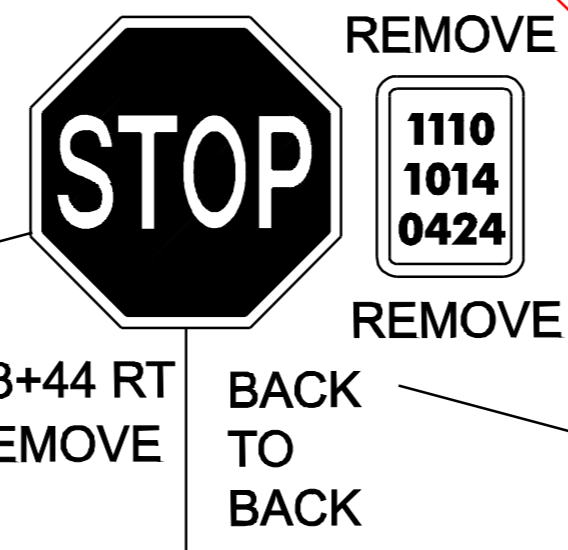
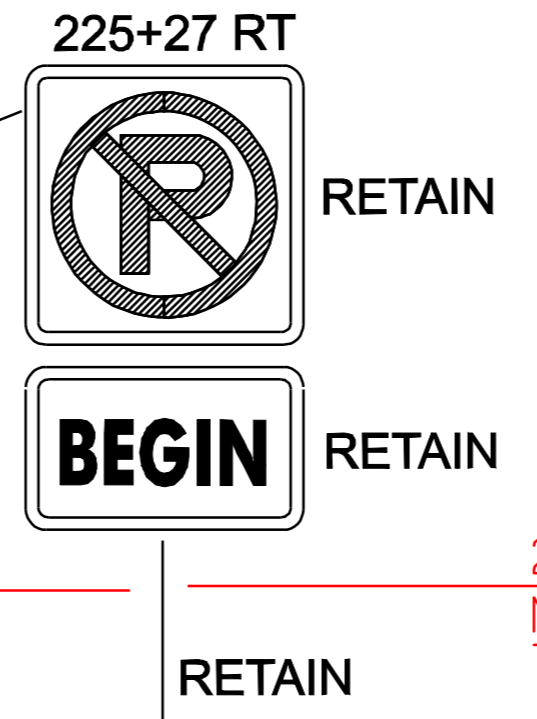
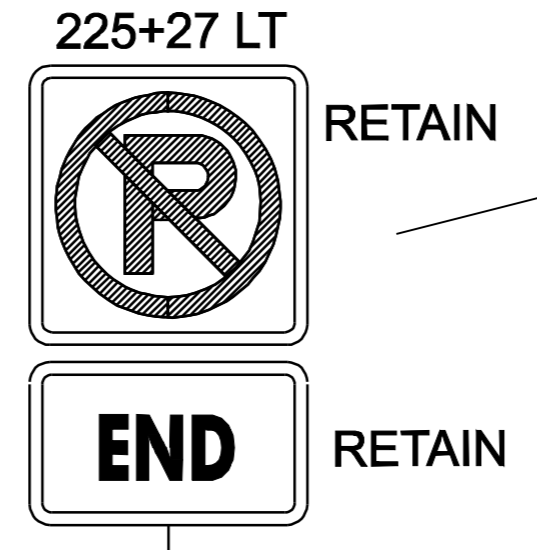
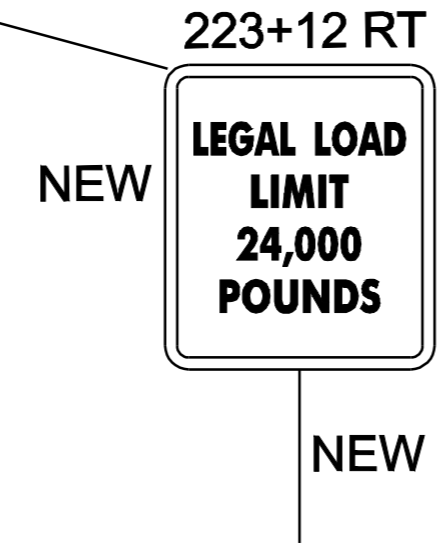
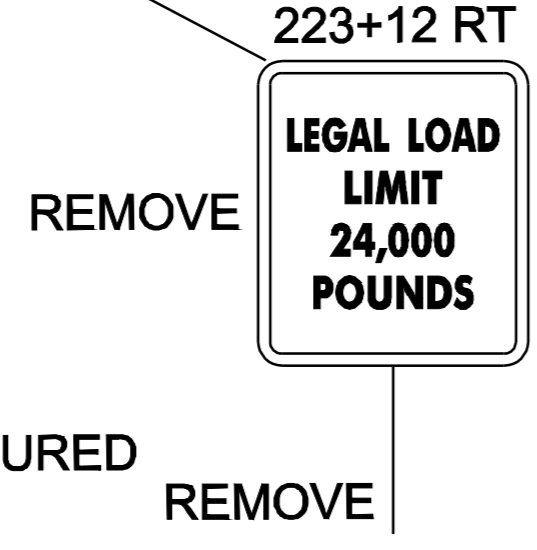
222+62.5 RT
 STA 221+50.0 TO 222+74.0 RT (125')
 REMOVE AND RESET GUARDRAIL

STA 222+74.0 TO 223+12.0 RT (38')
 REMOVAL AND DISPOSAL OF
 GUARDRAIL

222+62.5 ~ 223+0 RT
 STA 222+74.0 TO 223+12.0 RT
 NEW MANUFACTURED TERMINAL
 SECTION (FLARED)



TH - 27
 MM 4.237 =
 STA. 223+70
 (FIELD MEASURED
 STA. 223+70)



223+55 ~ 224+17 RT
 STA 223+35.0 TO 223+92.0 RT (87.5')
 REMOVE AND RESET GUARDRAIL
 ANCHOR @ 223+60 RT
 ANCHOR @ 224+07 RT

225+11.5 ~ 225+49 RT
 NEW MANUFACTURED
 TERMINAL SECTION (FLARED)

224+24 ~ 225+11.5 RT
 STA 223+99.0 TO 225+24.0 RT (125')
 REMOVE AND RESET GUARDRAIL
 ANCHOR @ 224+34 RT

ADDED CENTERLINE,
 EDGE LINE; STOP &
 STOP BAR AS SHOWN

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
16	223+40 RT	7	NO	NO

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 221+94 TO 223+70 LT

~~REMOVE AND RESET GUARDRAIL
 STA 221+50.0 TO 222+74.0 RT (125')
 STA 223+35.0 TO 223+92.0 RT (87.5')
 STA 223+99.0 TO 225+24.0 RT (125')~~

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA 222+74.0 TO 223+12.0 RT (38')

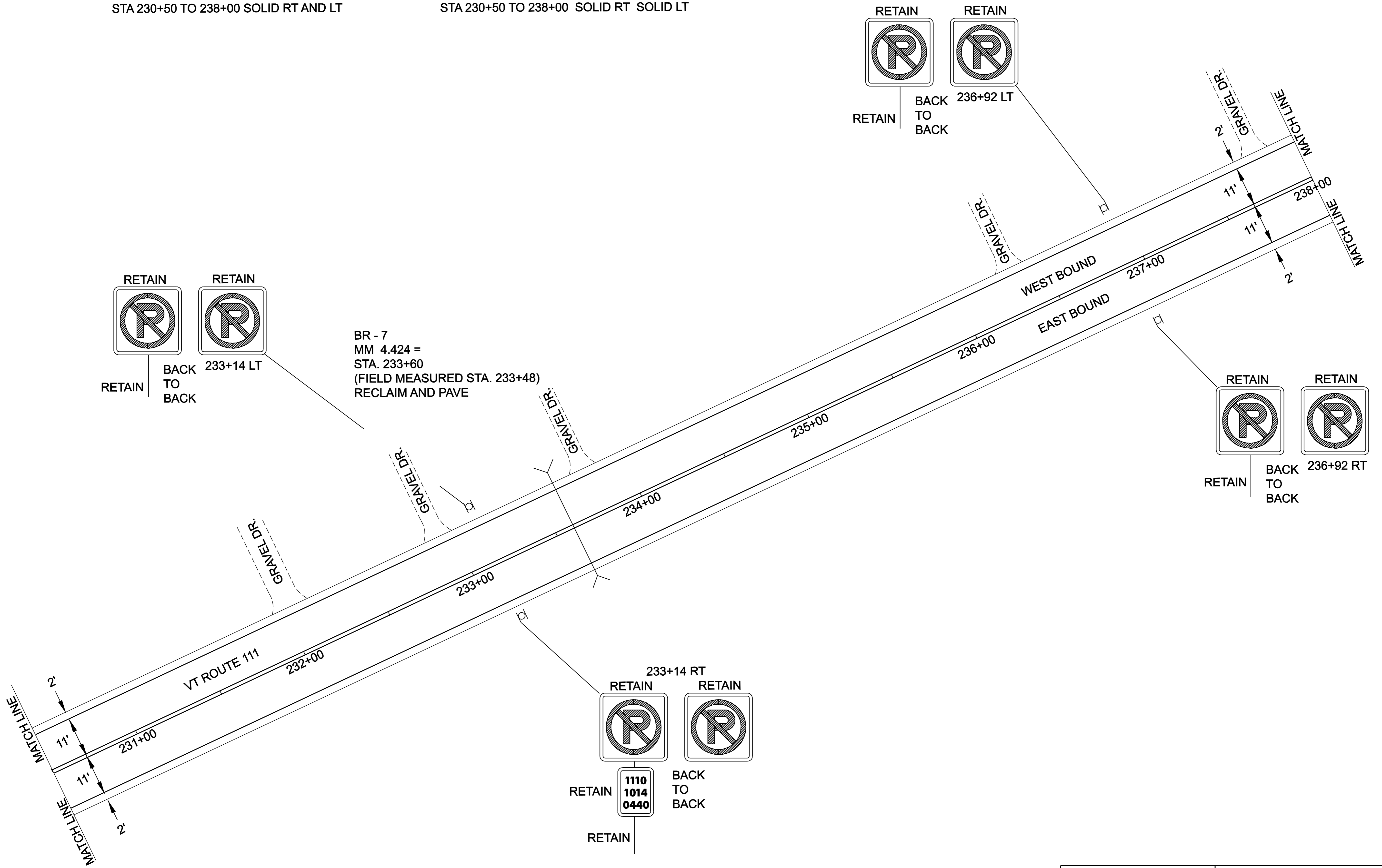
~~MANUFACTURED TERMINAL SECTION (FLARED)
 STA 222+74.0 TO 223+12.0 RT~~

PROJECT
LAYOUT
SHEET #24

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92p24.1 DATE PLOTTED 12-MAR-2007 11:33
 PROJ. NAME MORGAN
 PROJ. NO. AC STP 2220(1)S
 SHEET 31 OF 61 SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 230+50 TO 238+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 230+50 TO 238+00 SOLID RT SOLID LT



BR - 7
 MM 4.424 =
 STA. 233+60
 (FIELD MEASURED STA. 233+48)
 RECLAIM AND PAVE

PROJECT LAYOUT SHEET #25	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p25.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	32	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 238+00 TO 244+50 SOLID RT AND LT
 (WITH EDGELINE BREAK FOR TOWN HIGHWAY)
 STA 243+27 LT (TH 1) SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 238+00 TO 244+50 SOLID RT SOLID LT
 (WITH 40' BREAK FOR CENTERLINE)
 STA 243+27 LT (TH 1) SOLID RT AND LT

TEMPORARY AND DURABLE 24" STOP BAR
 STA 243+27 LT (TH 1)

TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA 243+27 LT (TH 1) STOP

243+80 LT
 RETAIN

VALLEY DR TH 1

RETAIN

CURVE # 23
 Δ 45° RT
 R=966'
 D=6° 00'
 T=400'
 L=750'
 BANKING 0.077 FT/FT
 180' RUNOFF (50 MPH)
 SEE SHEET 51 FOR
 BANKING DETAIL

LEGAL LOAD
 LIMIT
 24,000
 POUNDS

243+80 LT
 RETAIN

TH - 1
 MM 4.611 =
 STA. 243+44
 (FIELD MEASURED
 STA. 243+27)

RETAIN

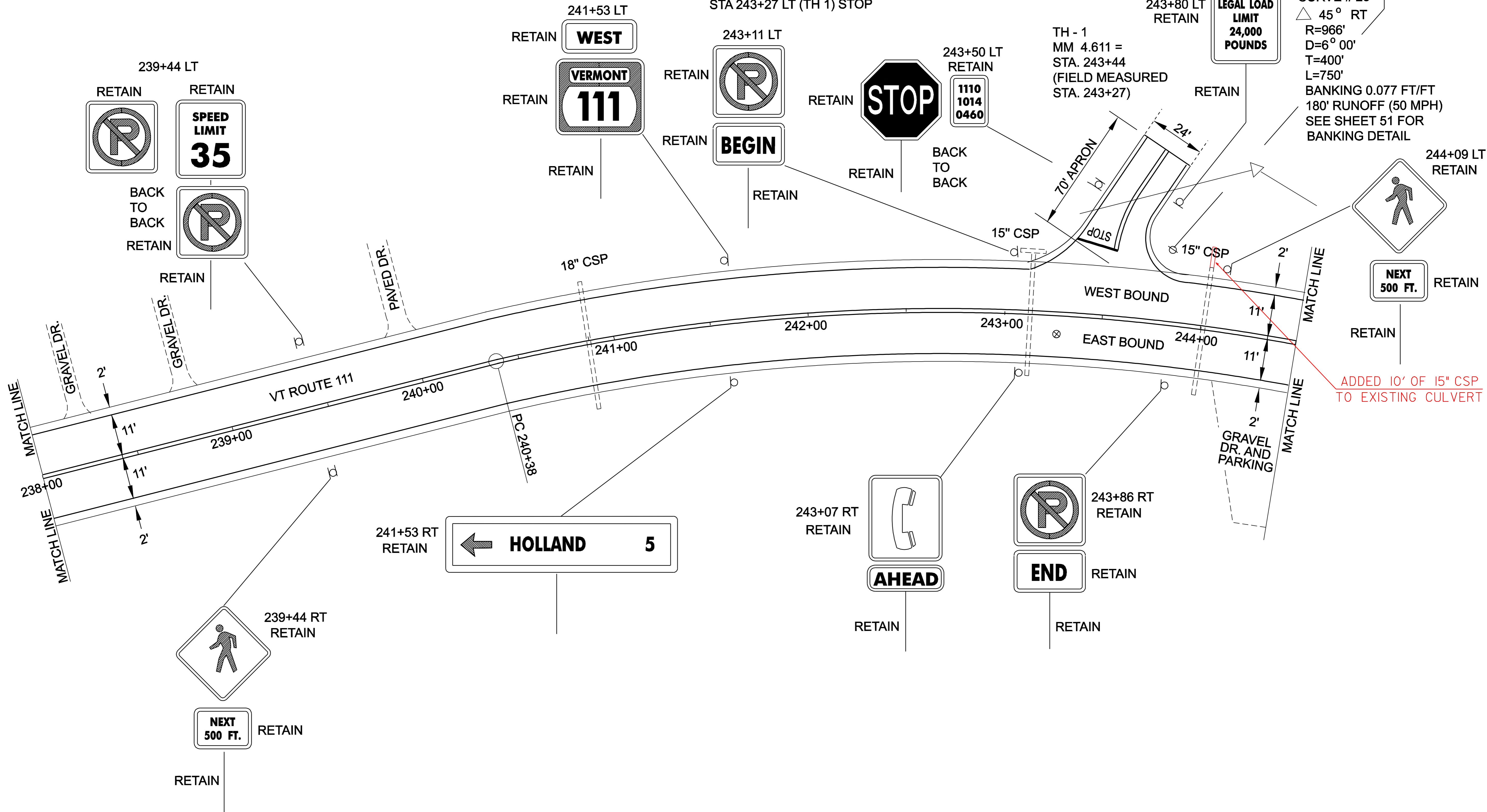
244+09 LT
 RETAIN



NEXT
 500 FT.

RETAIN

ADDED 10' OF 15" CSP
 TO EXISTING CULVERT



MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
17	243+20 RT	4 1/2	NO	NO

PROJECT LAYOUT SHEET #26

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92p26.1 DATE 12-MAR-2007 11:3
 PROJ. NAME MORGAN
 PROJ. NO. AC STP 2220(1)S
 SHEET 33 OF 61 SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
STA 244+50 TO 252+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 244+50 TO 252+00 SOLID RT SOLID LT

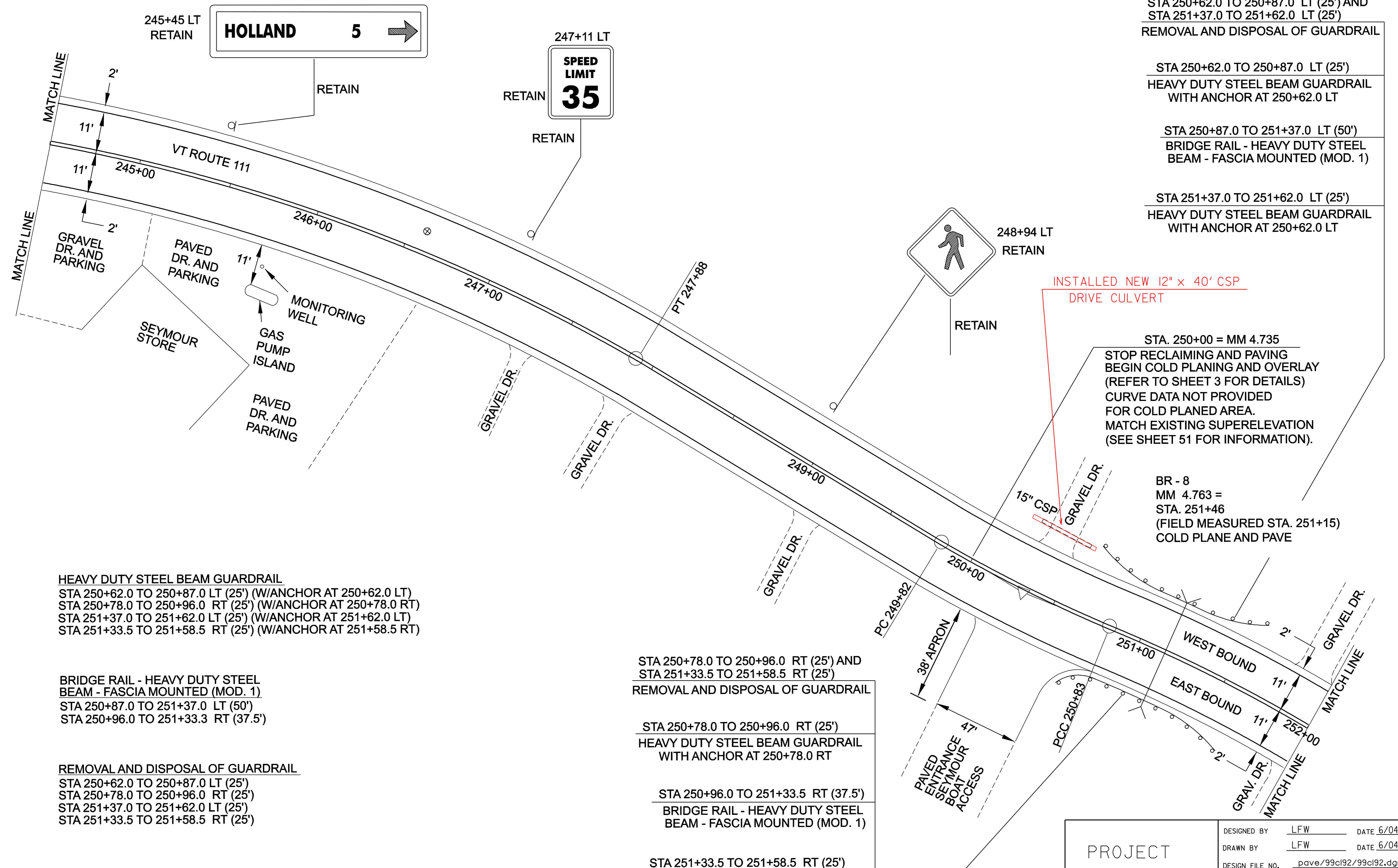
ADJUST ELEVATION OF VALVE BOX
STA 245+77 RT (MONITORING WELL)

STA 250+62.0 TO 250+87.0 LT (25') AND
STA 251+37.0 TO 251+62.0 LT (25')
REMOVAL AND DISPOSAL OF GUARDRAIL

STA 250+62.0 TO 250+87.0 LT (25')
HEAVY DUTY STEEL BEAM GUARDRAIL
WITH ANCHOR AT 250+62.0 LT

STA 250+87.0 TO 251+37.0 LT (50')
BRIDGE RAIL - HEAVY DUTY STEEL
BEAM - FASCIA MOUNTED (MOD. 1)

STA 251+37.0 TO 251+62.0 LT (25')
HEAVY DUTY STEEL BEAM GUARDRAIL
WITH ANCHOR AT 250+62.0 LT



HEAVY DUTY STEEL BEAM GUARDRAIL
 STA 250+62.0 TO 250+87.0 LT (25') (W/ANCHOR AT 250+62.0 LT)
 STA 250+78.0 TO 250+96.0 RT (25') (W/ANCHOR AT 250+78.0 RT)
 STA 251+37.0 TO 251+62.0 LT (25') (W/ANCHOR AT 251+62.0 LT)
 STA 251+33.5 TO 251+58.5 RT (25') (W/ANCHOR AT 251+58.5 RT)

BRIDGE RAIL - HEAVY DUTY STEEL BEAM - FASCIA MOUNTED (MOD. 1)
 STA 250+87.0 TO 251+37.0 LT (50')
 STA 250+96.0 TO 251+33.3 RT (37.5')

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA 250+62.0 TO 250+87.0 LT (25')
 STA 250+78.0 TO 250+96.0 RT (25')
 STA 251+37.0 TO 251+62.0 LT (25')
 STA 251+33.5 TO 251+58.5 RT (25')

STA 250+78.0 TO 250+96.0 RT (25') AND
 STA 251+33.5 TO 251+58.5 RT (25')
 REMOVAL AND DISPOSAL OF GUARDRAIL

STA 250+78.0 TO 250+96.0 RT (25')
 HEAVY DUTY STEEL BEAM GUARDRAIL
 WITH ANCHOR AT 250+78.0 RT

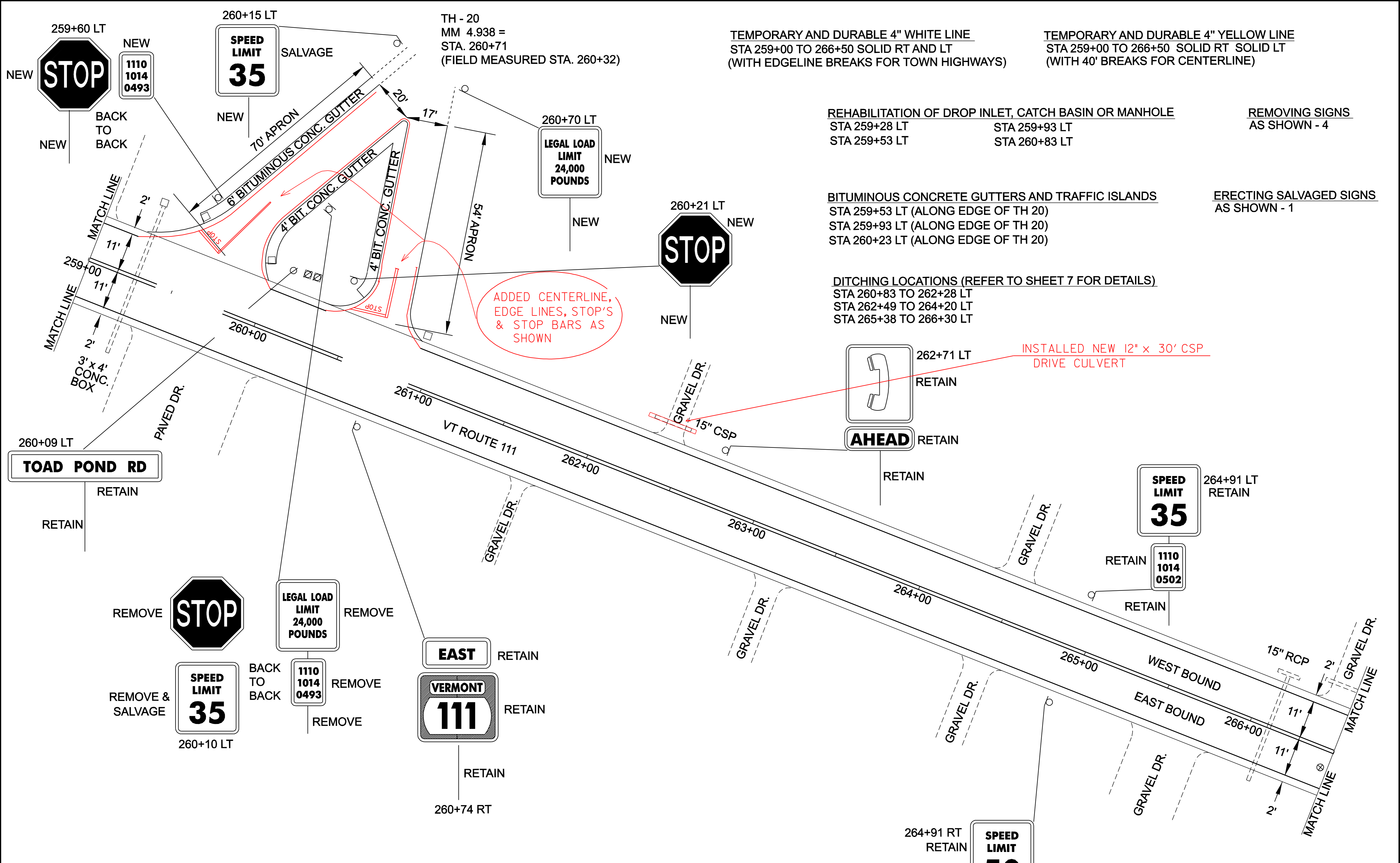
STA 250+96.0 TO 251+33.5 RT (37.5')
 BRIDGE RAIL - HEAVY DUTY STEEL
 BEAM - FASCIA MOUNTED (MOD. 1)

STA 251+33.5 TO 251+58.5 RT (25')
 HEAVY DUTY STEEL BEAM GUARDRAIL
 WITH ANCHOR AT 251+58.5 RT

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
18	246+58 LT	3 1/2	NO	NO

PROJECT
LAYOUT
SHEET #27

DESIGNED BY	LFW	DATE	6/04
DRAWN BY	LFW	DATE	6/04
DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
PRF FILE	99cl92p27.1	DATE PLOTTED	12-MAR-2007 11:3
PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S		
SHEET	34	OF	61 SHEETS



TEMPORARY AND DURABLE 4" WHITE LINE
 STA 259+00 TO 266+50 SOLID RT AND LT
 (WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 259+00 TO 266+50 SOLID RT SOLID LT
 (WITH 40' BREAKS FOR CENTERLINE)

REHABILITATION OF DROP INLET, CATCH BASIN OR MANHOLE
 STA 259+28 LT STA 259+93 LT
 STA 259+53 LT STA 260+83 LT

REMOVING SIGNS
 AS SHOWN - 4

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
 STA 259+53 LT (ALONG EDGE OF TH 20)
 STA 259+93 LT (ALONG EDGE OF TH 20)
 STA 260+23 LT (ALONG EDGE OF TH 20)

ERECTING SALVAGED SIGNS
 AS SHOWN - 1

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 260+83 TO 262+28 LT
 STA 262+49 TO 264+20 LT
 STA 265+38 TO 266+30 LT

MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION

CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
19	266+48 RT	5	NO	NO

PROJECT LAYOUT SHEET #29

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92p29.I DATE PLOTTED 12-MAR-2007 11:33
 PROJ. NAME MORGAN
 PROJ. NO. AC STP 2220(1)S
 SHEET 36 OF 61 SHEETS

MORGAN CTR
MORGAN 2

REMOVING SIGNS
AS SHOWN - 1

TEMPORARY AND DURABLE 4" WHITE LINE
STA 266+50 TO 275+00 SOLID RT AND LT

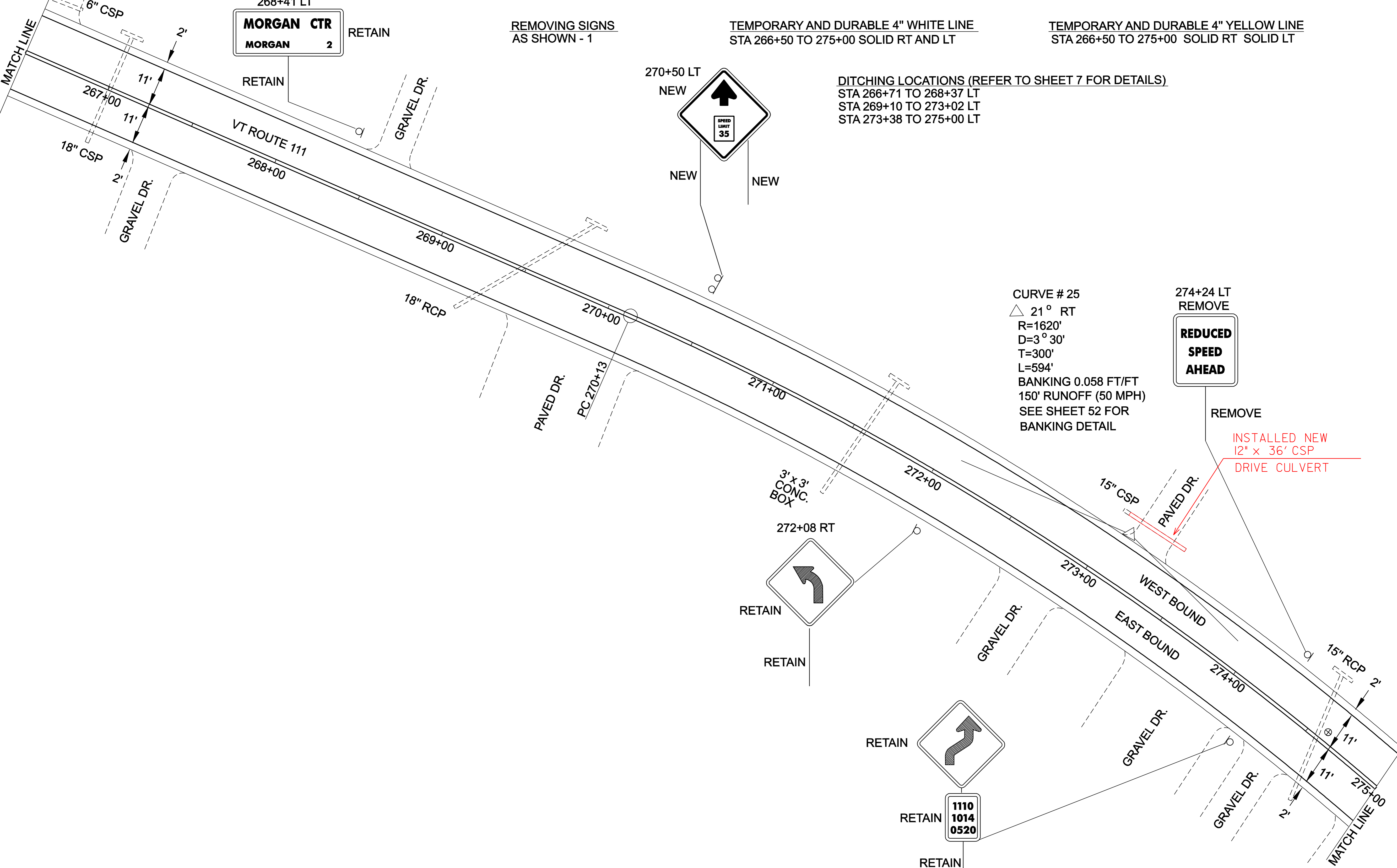
TEMPORARY AND DURABLE 4" YELLOW LINE
STA 266+50 TO 275+00 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
STA 266+71 TO 268+37 LT
STA 269+10 TO 273+02 LT
STA 273+38 TO 275+00 LT

CURVE # 25
△ 21° RT
R=1620'
D=3° 30'
T=300'
L=594'
BANKING 0.058 FT/FT
150' RUNOFF (50 MPH)
SEE SHEET 52 FOR BANKING DETAIL

274+24 LT REMOVE
REDUCED SPEED AHEAD

INSTALLED NEW
12" x 36' CSP
DRIVE CULVERT



MORGAN VT. ROUTE 111 PAVEMENT CORE INFORMATION				
CORE #	STATION/POS.	DEPTH (in)	STRIPPED	DRAINABLE BASE
20	274+56 LT	5 1/2	NO	NO

PROJECT
LAYOUT
SHEET #30

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99cl92/99cl92.dgn
 PRF FILE 99cl92p30.1 DATE PLOTTED 12-MAR-2007 11:3
 PROJ. NAME **MORGAN**
 PROJ. NO. **AC STP 2220(1)S**
 SHEET **37** OF **61** SHEETS

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)

STA 275+00 TO 278+70 LT
STA 279+09 TO 280+16 LT
STA 281+71 TO 282+00 LT

TEMPORARY AND DURABLE 4" WHITE LINE

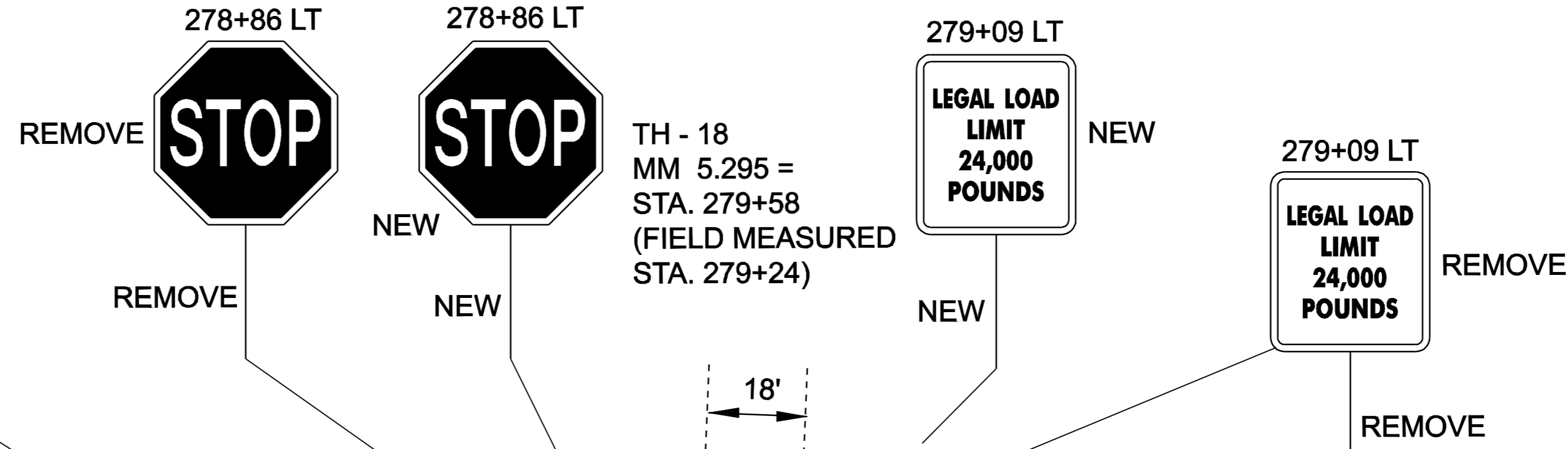
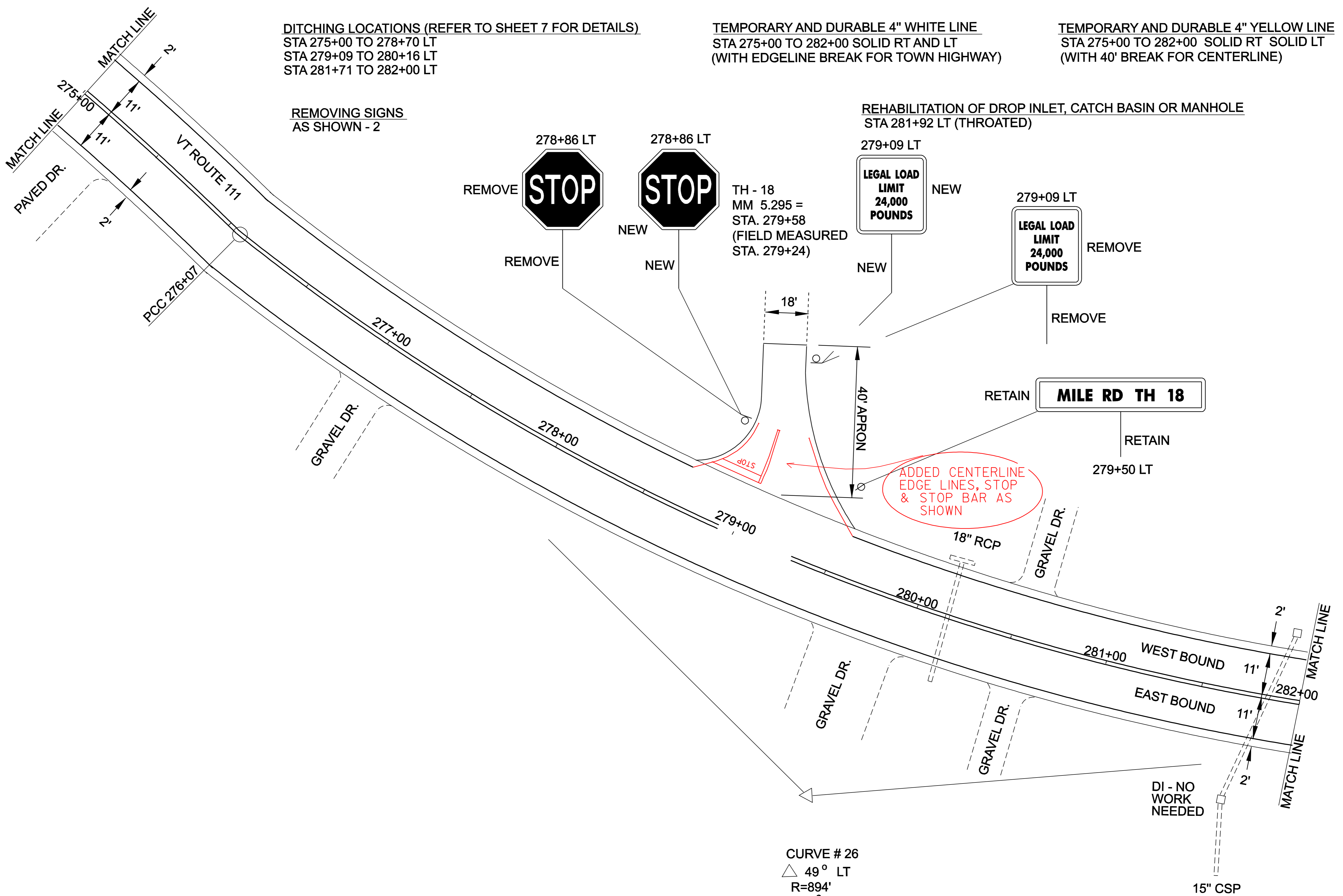
STA 275+00 TO 282+00 SOLID RT AND LT
(WITH EDGELINE BREAK FOR TOWN HIGHWAY)

TEMPORARY AND DURABLE 4" YELLOW LINE

STA 275+00 TO 282+00 SOLID RT SOLID LT
(WITH 40' BREAK FOR CENTERLINE)

REMOVING SIGNS
AS SHOWN - 2

REHABILITATION OF DROP INLET, CATCH BASIN OR MANHOLE
STA 281+92 LT (THROATED)



TH - 18
MM 5.295 =
STA. 279+58
(FIELD MEASURED
STA. 279+24)

LEGAL LOAD
LIMIT
24,000
POUNDS

LEGAL LOAD
LIMIT
24,000
POUNDS

MILE RD TH 18

ADDED CENTERLINE
EDGE LINES, STOP
& STOP BAR AS
SHOWN

CURVE # 26
△ 49° LT
R=894'
D=6° 25'
T=407.34'
L=765'
BANKING 0.079 FT/FT
190' RUNOFF (50 MPH)
SEE SHEET 52 FOR
BANKING DETAIL

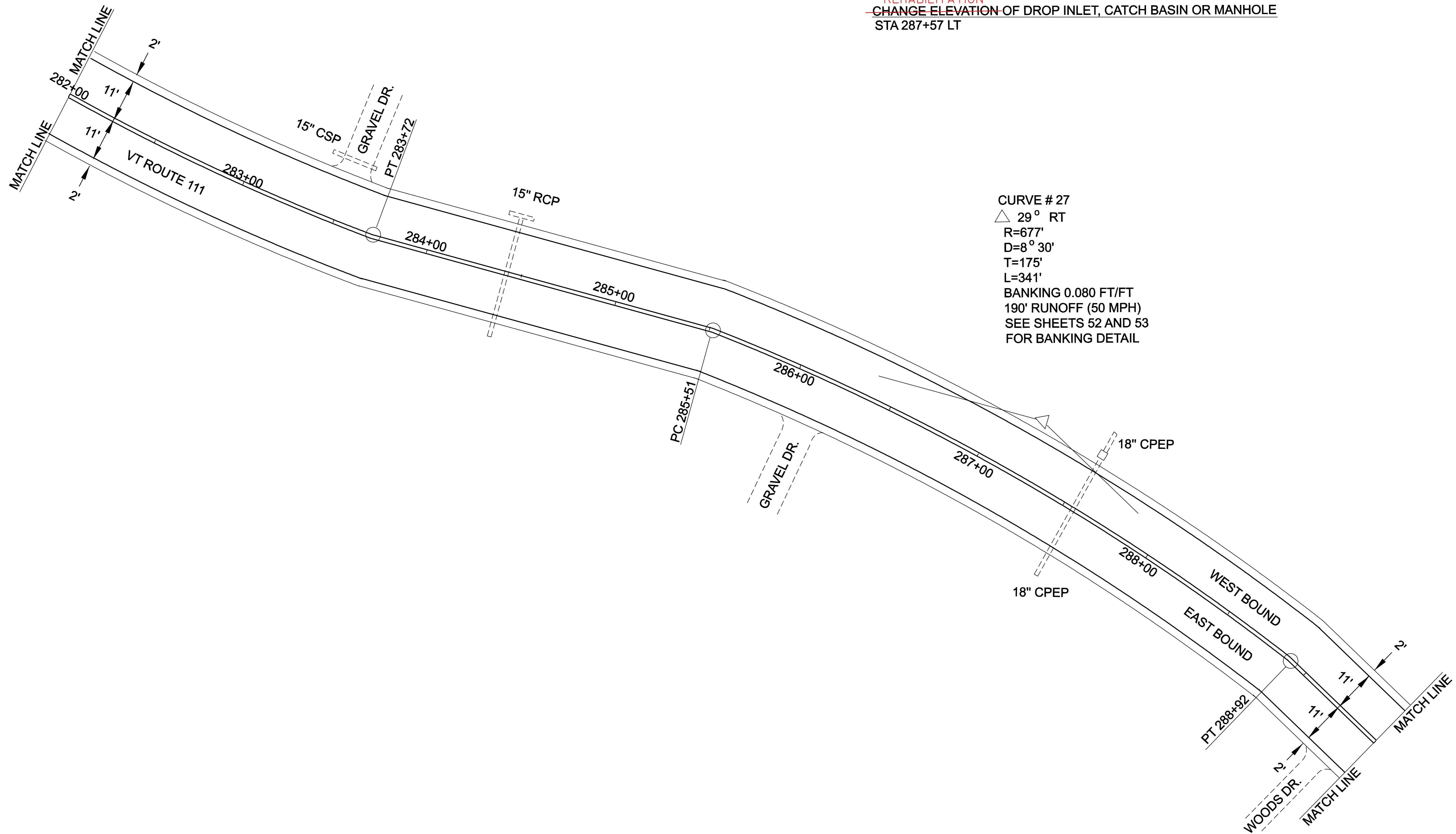
PROJECT LAYOUT SHEET # 31	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p31.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	38	OF	61	SHEETS

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 282+00 TO 283+40 LT
 STA 283+64 TO 289+50 LT

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 282+00 TO 289+50 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 282+00 TO 289+50 SOLID RT SOLID LT

REHABILITATION
 CHANGE ELEVATION OF DROP INLET, CATCH BASIN OR MANHOLE
 STA 287+57 LT



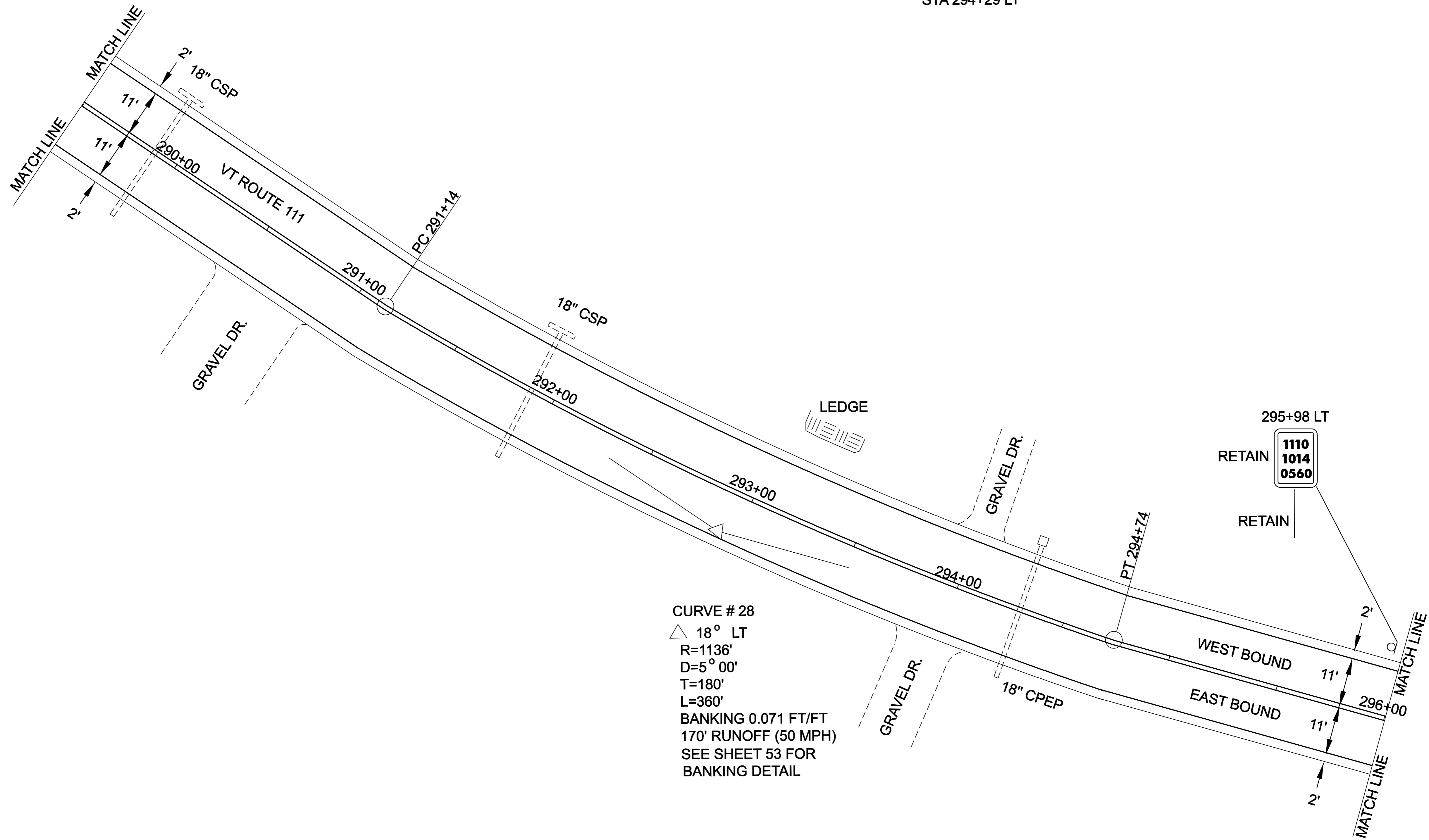
PROJECT LAYOUT SHEET #32	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p32.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	39	OF	61	SHEETS

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 289+50 TO 293+00 LT
 STA 294+29 TO 296+00 LT

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 289+50 TO 296+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 289+50 TO 296+00 SOLID RT SOLID LT

REHABILITATION
 CHANGE ELEVATION OF DROP INLET, CATCH BASIN OR MANHOLE
 STA 294+29 LT



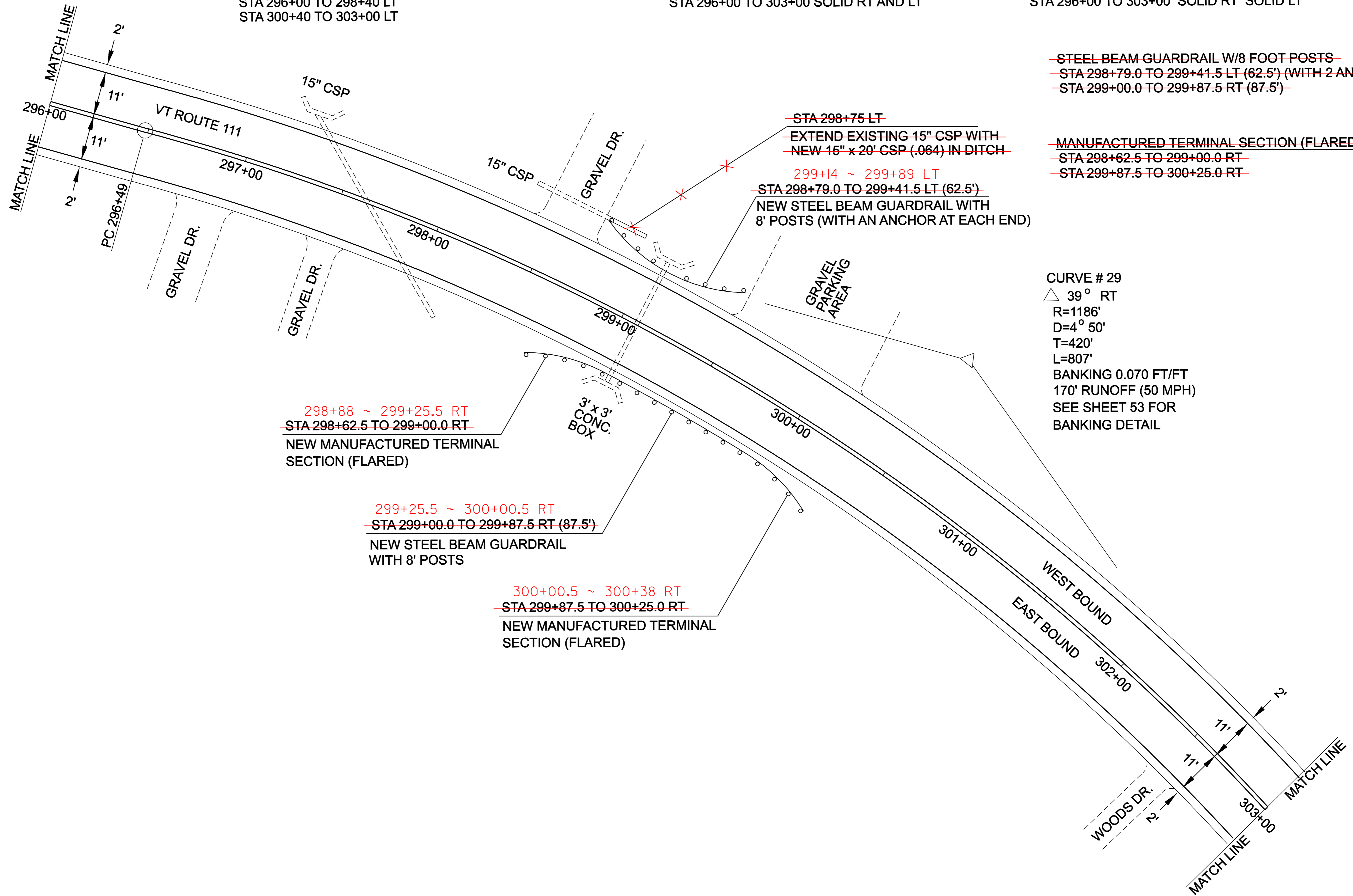
CURVE # 28
 △ 18° LT
 R=1136'
 D=5° 00'
 T=180'
 L=360'
 BANKING 0.071 FT/FT
 170' RUNOFF (50 MPH)
 SEE SHEET 53 FOR
 BANKING DETAIL

PROJECT LAYOUT SHEET # 33	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p33.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	40	OF	61	SHEETS

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 296+00 TO 298+40 LT
 STA 300+40 TO 303+00 LT

TEMPORARY AND DURABLE 4" WHITE LINE
 STA 296+00 TO 303+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 296+00 TO 303+00 SOLID RT SOLID LT



- ~~STEEL BEAM GUARDRAIL W/8 FOOT POSTS~~
- ~~STA 298+79.0 TO 299+41.5 LT (62.5') (WITH 2 ANCHORS)~~
- ~~STA 299+00.0 TO 299+87.5 RT (87.5')~~
- ~~MANUFACTURED TERMINAL SECTION (FLARED)~~
- ~~STA 298+62.5 TO 299+00.0 RT~~
- ~~STA 299+87.5 TO 300+25.0 RT~~

~~STA 298+75 LT~~
~~EXTEND EXISTING 15" CSP WITH~~
~~NEW 15" x 20' CSP (.064) IN DITCH~~
 299+14 ~ 299+89 LT
~~STA 298+79.0 TO 299+41.5 LT (62.5')~~
 NEW STEEL BEAM GUARDRAIL WITH
 8' POSTS (WITH AN ANCHOR AT EACH END)

CURVE # 29
 △ 39° RT
 R=1186'
 D=4° 50'
 T=420'
 L=807'
 BANKING 0.070 FT/FT
 170' RUNOFF (50 MPH)
 SEE SHEET 53 FOR
 BANKING DETAIL

~~298+88 ~ 299+25.5 RT~~
~~STA 298+62.5 TO 299+00.0 RT~~
 NEW MANUFACTURED TERMINAL
 SECTION (FLARED)

~~299+25.5 ~ 300+00.5 RT~~
~~STA 299+00.0 TO 299+87.5 RT (87.5')~~
 NEW STEEL BEAM GUARDRAIL
 WITH 8' POSTS

~~300+00.5 ~ 300+38 RT~~
~~STA 299+87.5 TO 300+25.0 RT~~
 NEW MANUFACTURED TERMINAL
 SECTION (FLARED)

PROJECT LAYOUT SHEET #34	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p34.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	41	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
STA 303+00 TO 311+00 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 303+00 TO 311+00 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
STA 303+00 TO 304+40 LT
STA 305+25 TO 311+00 LT

~~REHABILITATION
CHANGE ELEVATION OF DROP INLET, CATCH BASIN OR MANHOLE
STA 306+30 LT~~

~~REMOVAL AND DISPOSAL OF GUARDRAIL
STA 303+00.0 TO 305+00.0 RT (200')
STA 303+62.5 TO 304+87.5 LT (125')
STA 305+50.0 TO 307+87.5 RT (237.5')~~

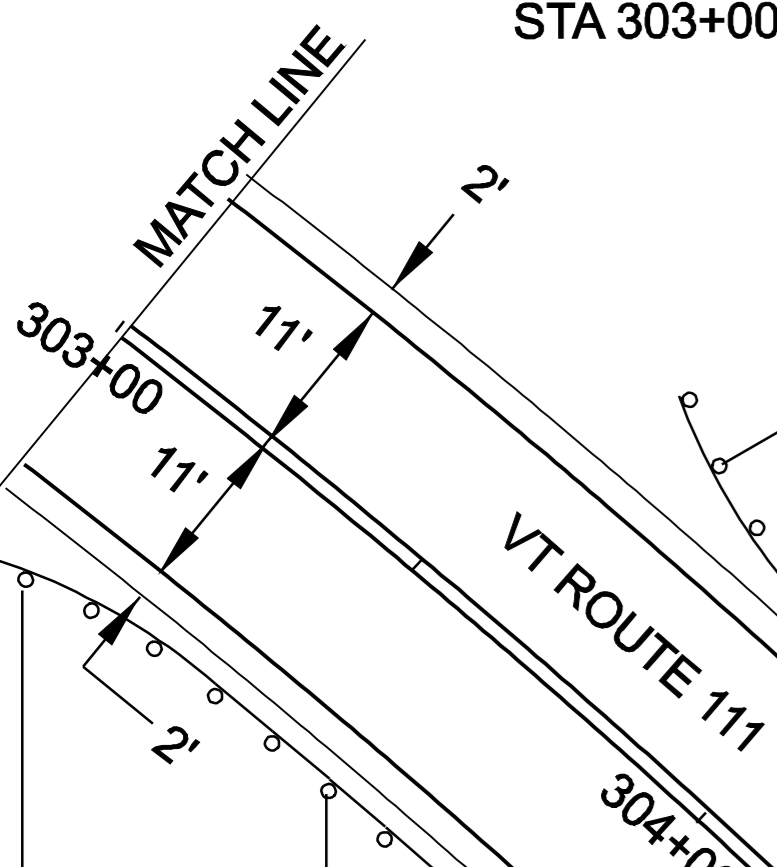
~~STEEL BEAM GUARDRAIL
STA 303+37.5 TO 304+62.5 RT (125')
STA 304+00.0 TO 305+12.5 LT (112.5') (W/2 ANCHORS)
STA 305+87.5 TO 307+50.0 RT (162.5')
STA 310+00.0 TO 311+00.0 LT (112.5') (W/2 ANCHORS)
STA 310+37.5 TO 311+00.0 RT (62.5')~~

~~MANUFACTURED TERMINAL SECTION (FLARED)
STA 303+00.0 TO 303+37.5 RT
STA 303+62.5 TO 304+00.0 LT
STA 304+62.5 TO 305+00.0 RT
STA 305+50.0 TO 305+87.5 RT
STA 307+50.0 TO 307+87.5 RT
STA 310+00.0 TO 310+37.5 RT~~

~~STA 310+00.0 TO 311+00.0 LT (112.5')
NEW STEEL BEAM GUARDRAIL BURIED
IN BACKSLOPE (WITH 2 ANCHORS)
(REFER TO DETAIL FOR BURIED GUARDRAIL
ENDS IN BACKSLOPE)
(REFER TO DETAIL OF GUARDRAIL AT SMALL
CULVERTS AND BRIDGES)
ELIMINATED~~

~~310+00 LT
NEW 18" x 20" CPEP IN DITCH~~

CURVE # 31
△ 3° LT
R=4774'
D=1° 12'
T=125'
L=250'
BANKING 0.026 FT/FT
150' RUNOFF (50 MPH)
SEE SHEET 53 FOR
BANKING DETAIL

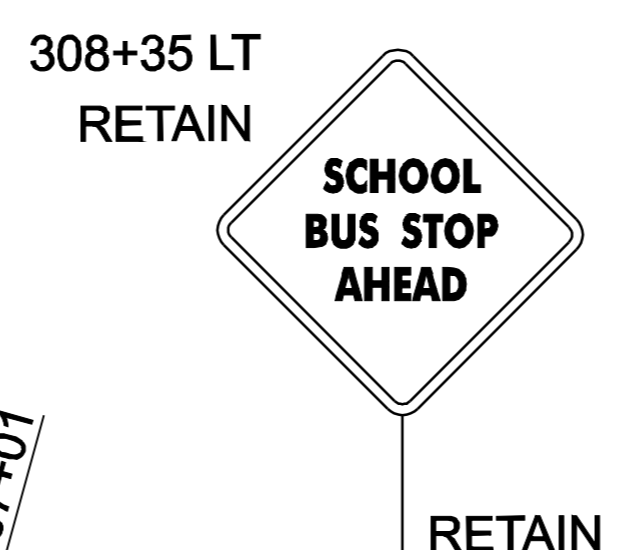


~~303+95 ~ 304+32.5 LT
STA 303+62.5 TO 304+00.0 LT~~
NEW MANUFACTURED TERMINAL
SECTION (FLARED)

STA 303+62.5 TO 304+87.5 LT (125')
REMOVAL AND DISPOSAL OF GUARDRAIL

BR - 9
MM 5.772 =
STA. 304+75
(FIELD MEASURED
STA. 304+40)
RECLAIM AND PAVE

~~304+32.5 ~ 305+45 LT
STA 304+00.0 TO 305+12.5 LT (112.5')~~
NEW STEEL BEAM GUARDRAIL BURIED
IN BACKSLOPE (WITH 2 ANCHORS)
(REFER TO DETAIL FOR BURIED GUARDRAIL
ENDS IN BACKSLOPE)
(REFER TO DETAIL OF GUARDRAIL AT SMALL
CULVERTS AND BRIDGES)



CURVE # 30
△ 26° LT
R=541'
D=10° 35'
T=125'
L=245'
BANKING 0.080 FT/FT
190' RUNOFF (50 MPH)
SEE SHEET 53 FOR
BANKING DETAIL

~~304+90 ~ 305+27.5 RT
STA 304+62.5 TO 305+00.0 RT~~
NEW MANUFACTURED TERMINAL
SECTION (FLARED)

~~303+77.5 ~ 304+90 RT
STA 303+37.5 TO 304+62.5 RT (125')~~
NEW STEEL BEAM GUARDRAIL W/ 8' POSTS
(REFER TO DETAIL OF GUARDRAIL AT SMALL
CULVERTS AND BRIDGES)

STA 303+00.0 TO 305+00.0 RT (200')
REMOVAL AND DISPOSAL OF GUARDRAIL

~~303+40 ~ 303+77.5 RT
STA 303+00.0 TO 303+37.5 RT~~
NEW MANUFACTURED TERMINAL
SECTION (FLARED)

~~307+91.5 ~ 308+29 RT
STA 307+50.0 TO 307+87.5 RT~~
NEW MANUFACTURED TERMINAL
SECTION (FLARED)

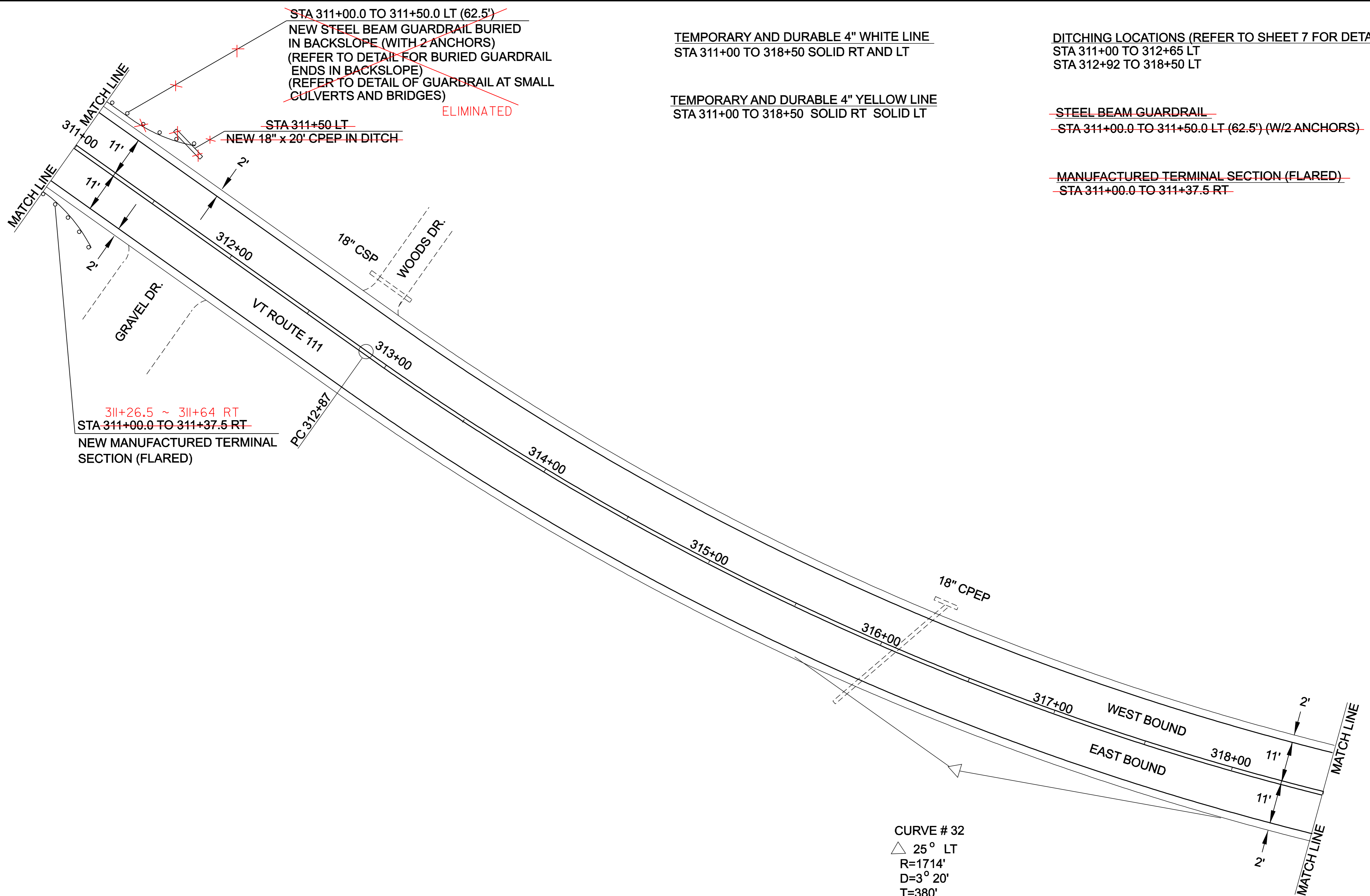
STA 305+50.0 TO 307+87.5 RT (237.5')
REMOVAL AND DISPOSAL OF GUARDRAIL

~~306+29 ~ 307+91.5 RT
STA 305+87.5 TO 307+50.0 RT (162.5')~~
NEW STEEL BEAM GUARDRAIL

~~305+91.5 ~ 306+29 RT
STA 305+50.0 TO 305+87.5 RT~~
NEW MANUFACTURED TERMINAL
SECTION (FLARED)

~~311+01.5 ~ 311+26.5 RT
STA 310+37.5 TO 311+00.0 RT (62.5')~~
NEW STEEL BEAM GUARDRAIL (REFER TO
DETAIL OF GUARDRAIL AT SMALL CULVERTS
AND BRIDGES) W/ 8' POSTS

PROJECT LAYOUT SHEET # 35		DESIGNED BY	LFW	DATE	6/04
		DRAWN BY	LFW	DATE	6/04
		DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
		PRF FILE	99cl92p35.1	DATE PLOTTED	12-MAR-2007 11:3
PROJ. NAME	MORGAN				
PROJ. NO.	AC STP 2220(1)S				
SHEET	42	OF	61	SHEETS	



TEMPORARY AND DURABLE 4" WHITE LINE
 STA 311+00 TO 318+50 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
 STA 311+00 TO 318+50 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
 STA 311+00 TO 312+65 LT
 STA 312+92 TO 318+50 LT

~~STEEL BEAM GUARDRAIL~~
~~STA 311+00.0 TO 311+50.0 LT (62.5') (W/2 ANCHORS)~~

~~MANUFACTURED TERMINAL SECTION (FLARED)~~
~~STA 311+00.0 TO 311+37.5 RT~~

~~311+26.5 ~ 311+64 RT~~
~~STA 311+00.0 TO 311+37.5 RT~~
 NEW MANUFACTURED TERMINAL SECTION (FLARED)

CURVE # 32
 △ 25° LT
 R=1714'
 D=3° 20'
 T=380'
 L=748'
 BANKING 0.056 FT/FT
 150' RUNOFF (50 MPH)
 SEE SHEETS 53 AND 54
 FOR BANKING DETAIL

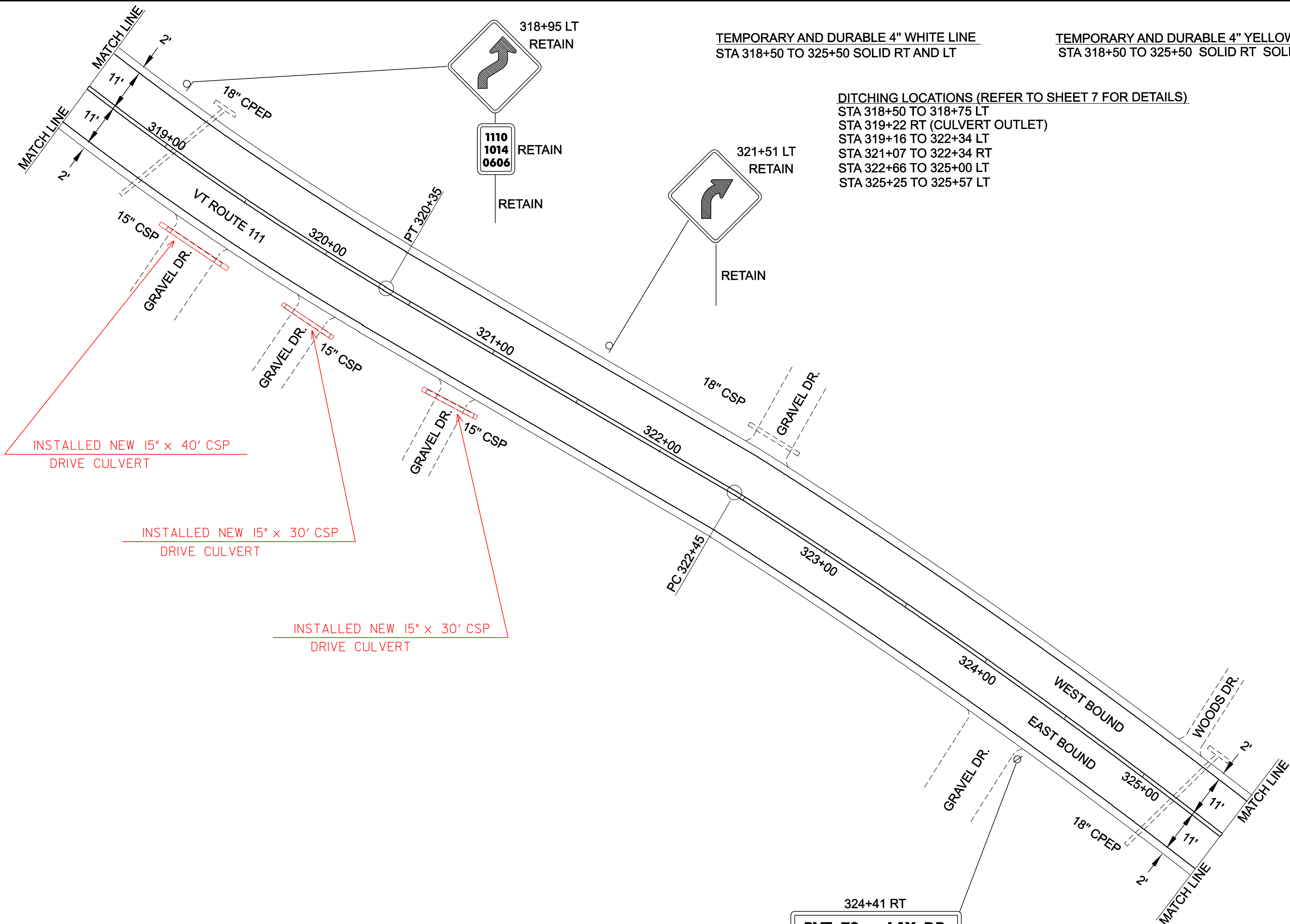
PROJECT LAYOUT SHEET #36	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p36.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	43	OF	61	SHEETS

TEMPORARY AND DURABLE 4" WHITE LINE
STA 318+50 TO 325+50 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 318+50 TO 325+50 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)

- STA 318+50 TO 318+75 LT
- STA 319+22 RT (CULVERT OUTLET)
- STA 319+16 TO 322+34 LT
- STA 321+07 TO 322+34 RT
- STA 322+66 TO 325+00 LT
- STA 325+25 TO 325+57 LT



INSTALLED NEW 15" x 40' CSP
DRIVE CULVERT

INSTALLED NEW 15" x 30' CSP
DRIVE CULVERT

INSTALLED NEW 15" x 30' CSP
DRIVE CULVERT

324+41 RT
PVT 72 LAY DR.
RETAIN
RETAIN

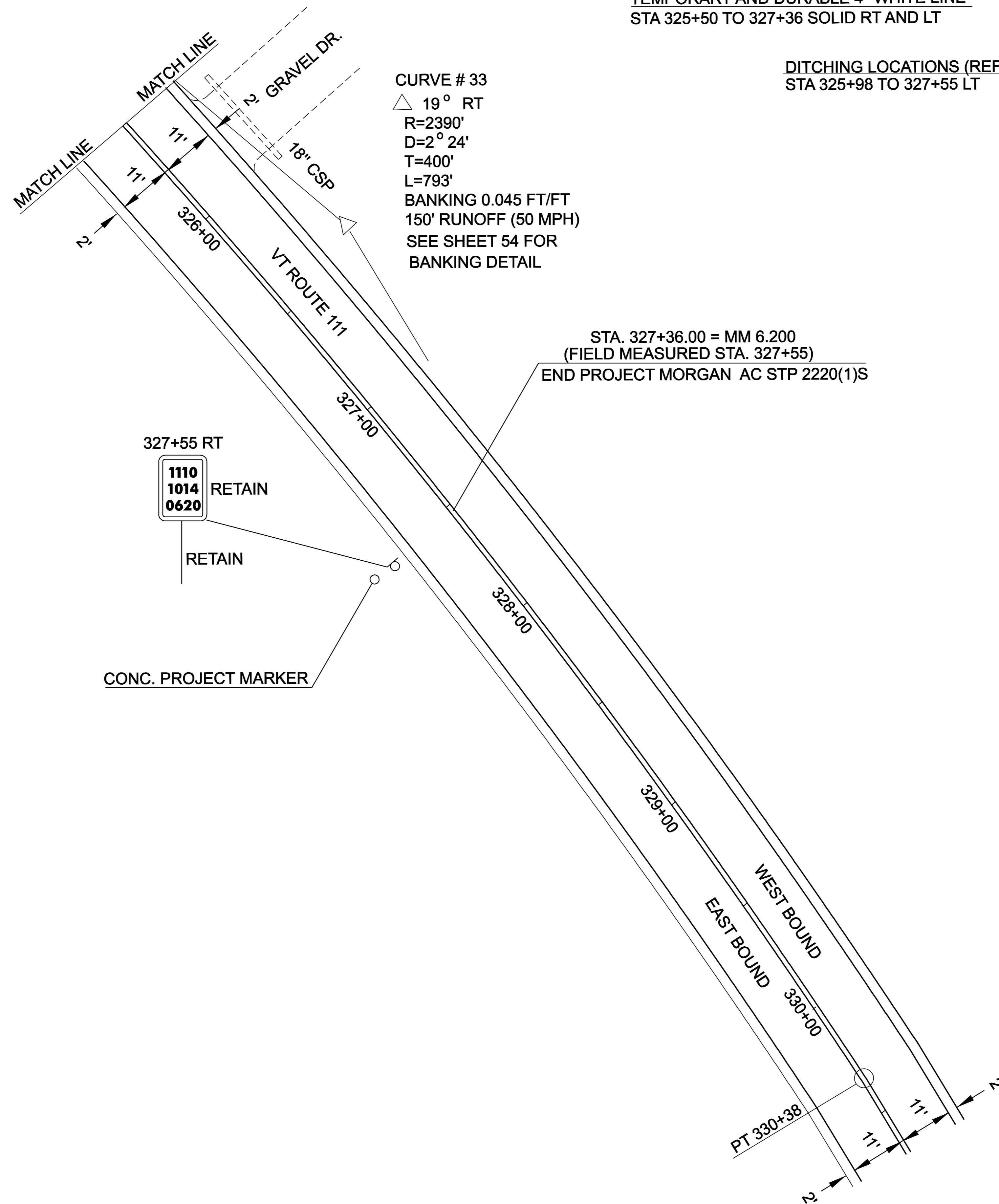
DESIGNED BY	LFW	DATE	6/04
DRAWN BY	LFW	DATE	6/04
DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
PRF FILE	99cl92p37.1	DATE PLOTTED	12-MAR-2007 11:3
PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S		
SHEET	44	OF	61 SHEETS

PROJECT
LAYOUT
SHEET #37

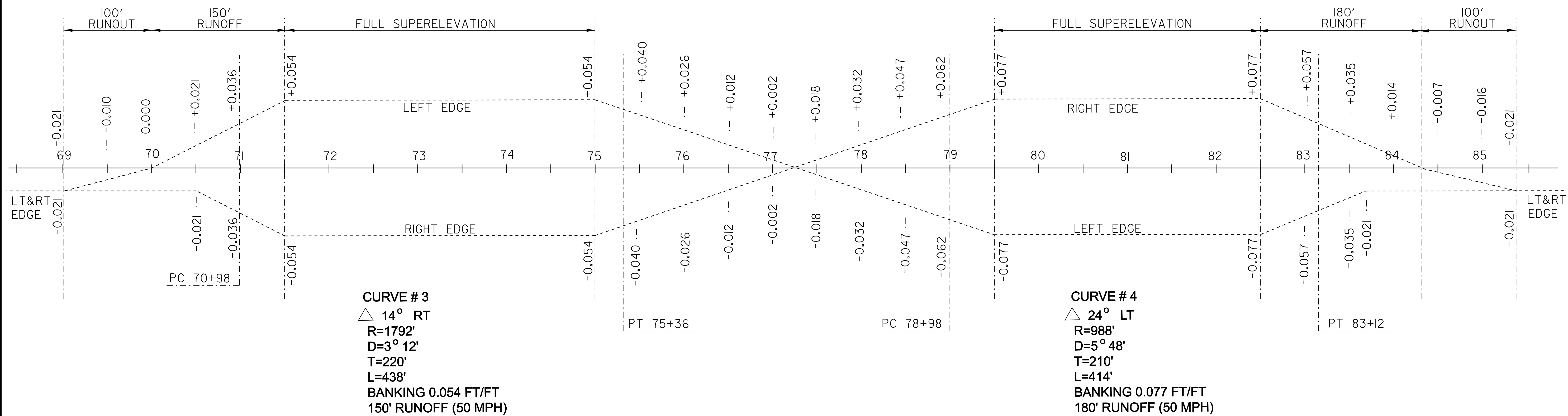
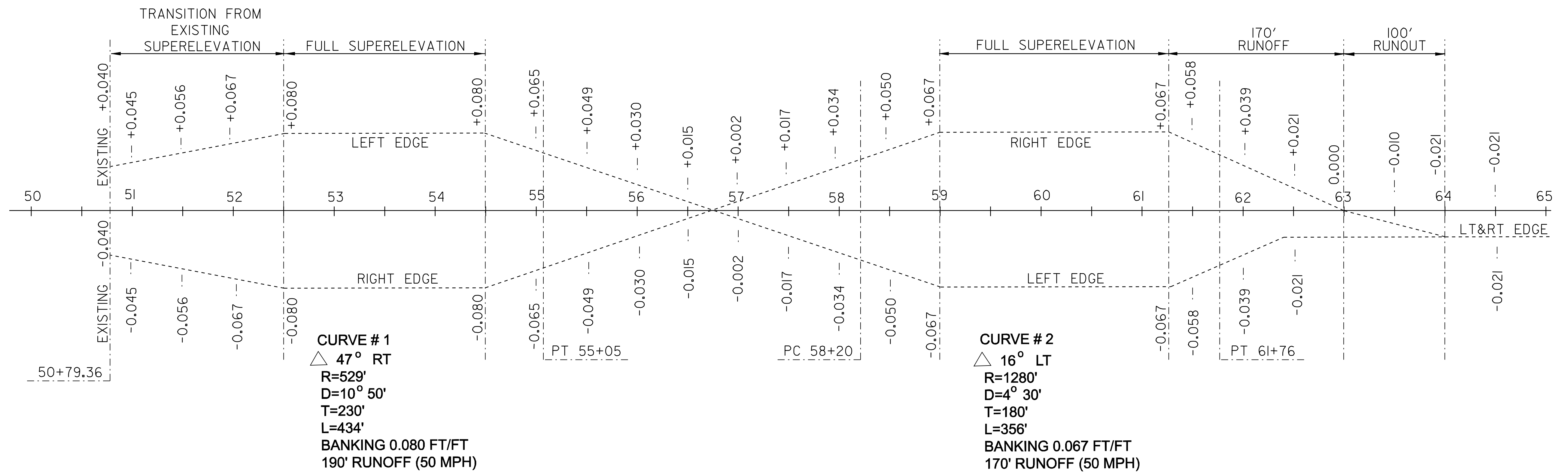
TEMPORARY AND DURABLE 4" WHITE LINE
STA 325+50 TO 327+36 SOLID RT AND LT

TEMPORARY AND DURABLE 4" YELLOW LINE
STA 325+50 TO 327+36 SOLID RT SOLID LT

DITCHING LOCATIONS (REFER TO SHEET 7 FOR DETAILS)
STA 325+98 TO 327+55 LT



PROJECT LAYOUT SHEET #38	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92p38.1	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	45	OF	61	SHEETS

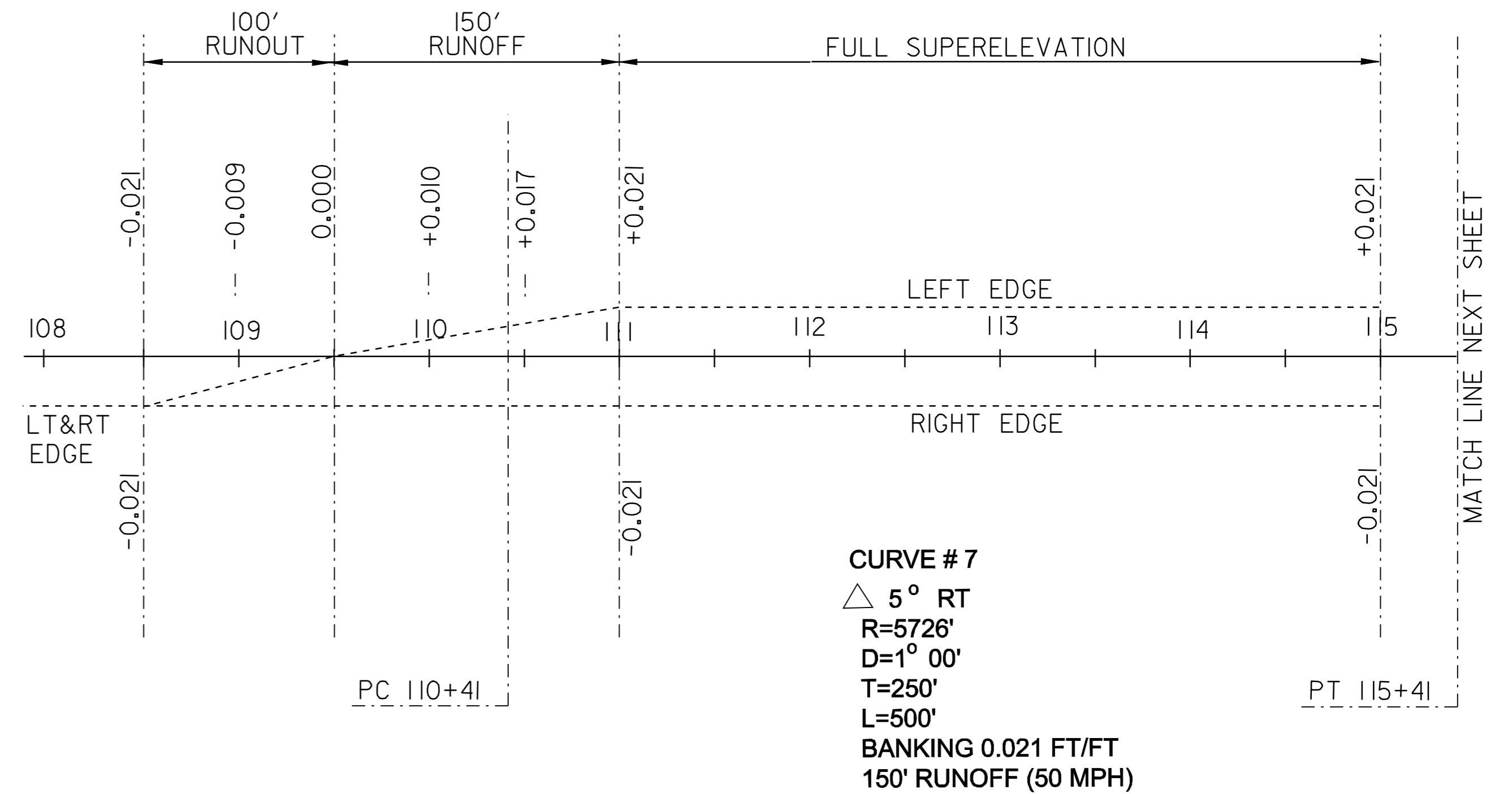
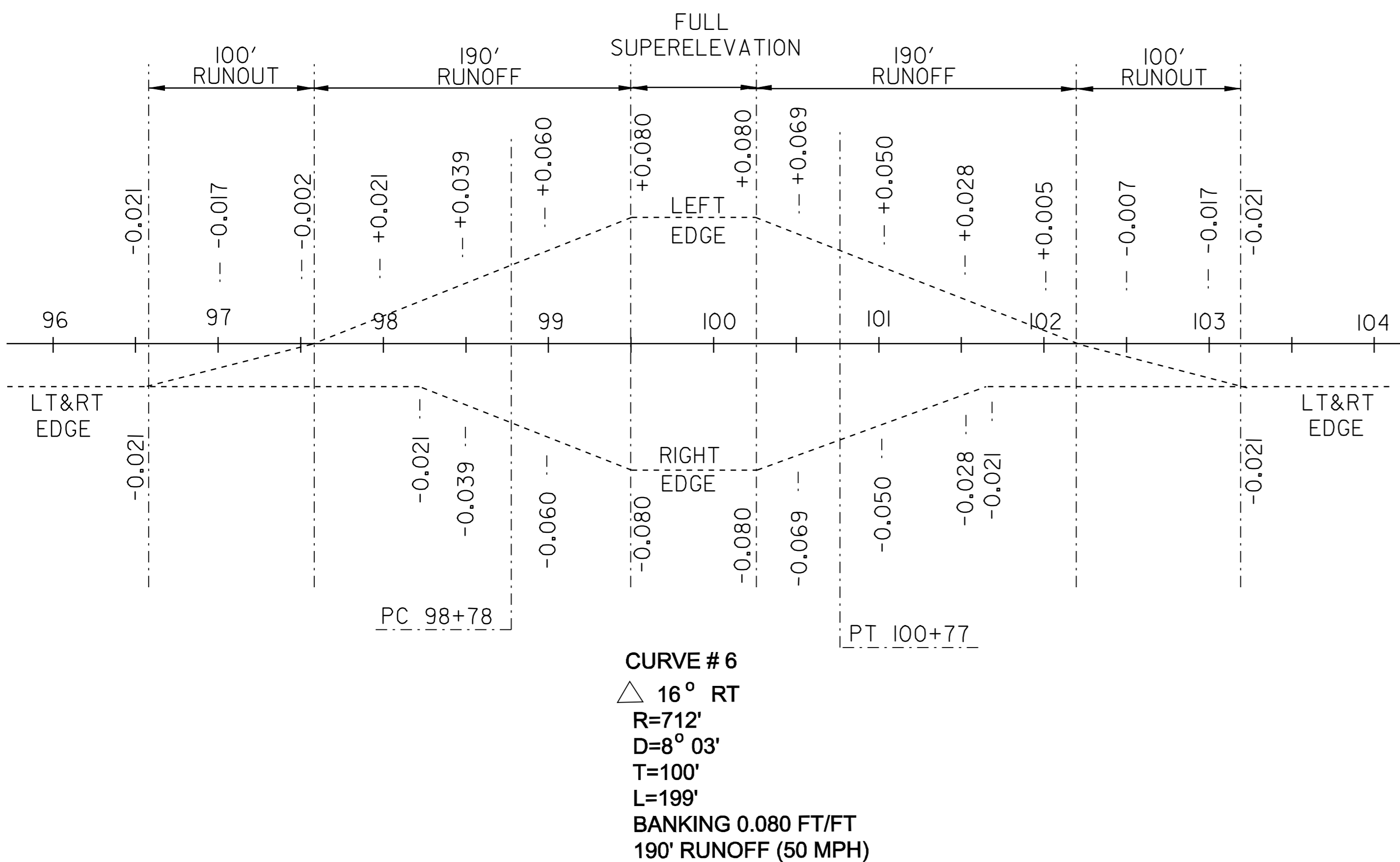
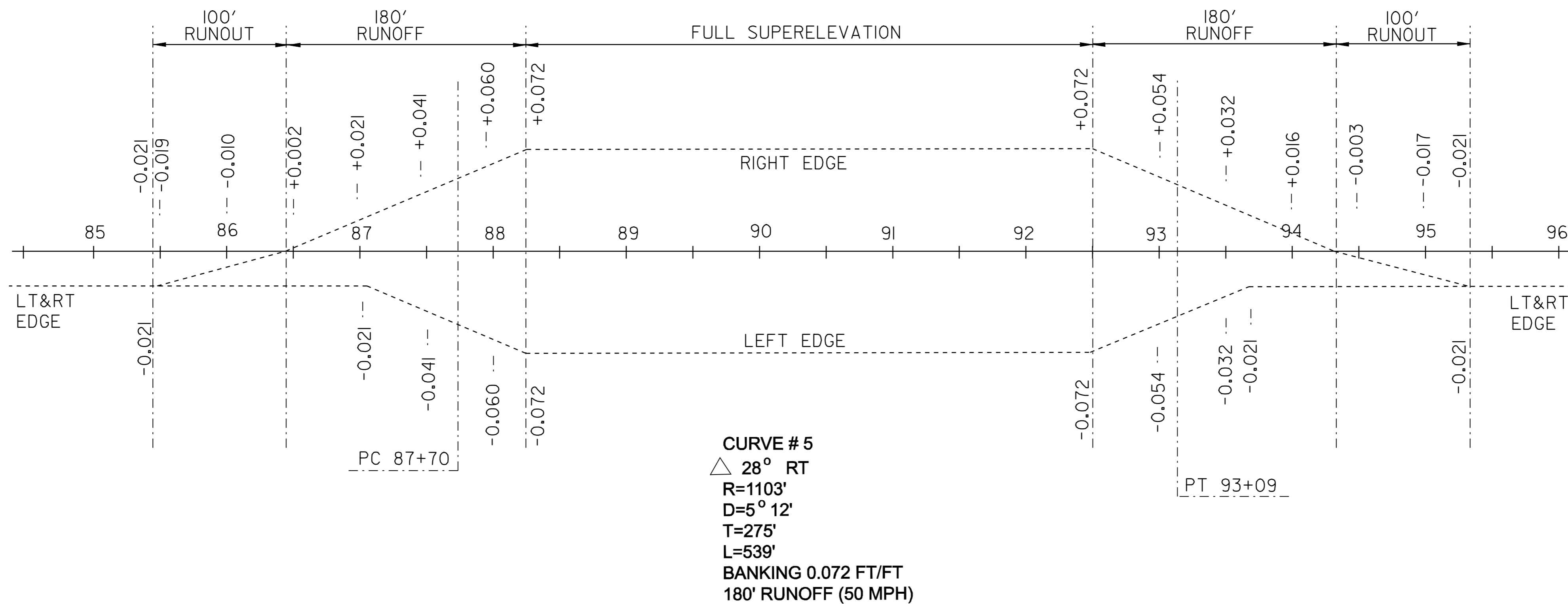


NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.

THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION BANKING DIAGRAM SHEET #1		DESIGNED BY <u> LFW </u> DATE <u> 1/05 </u>
		DRAWN BY <u> LFW </u> DATE <u> 1/05 </u>
		DESIGN FILE NO. <u> pave/99ci92/99ci92.dgn </u>
PRF FILE <u> 99ci92bd1.i </u> DATE <u> 1/05 </u>	PLOTTED <u> 12-MAR-2007 </u>	
PROJ. NAME MORGAN		
PROJ. NO. AC STP 2220(1)S		
SHEET 46 OF 61 SHEETS		



MATCH LINE NEXT SHEET

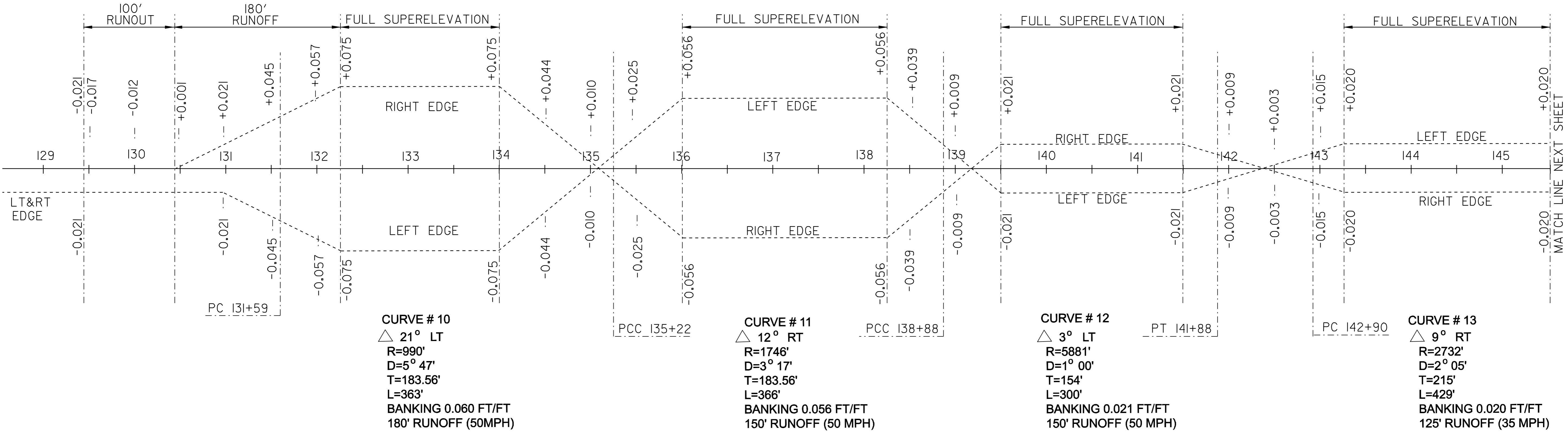
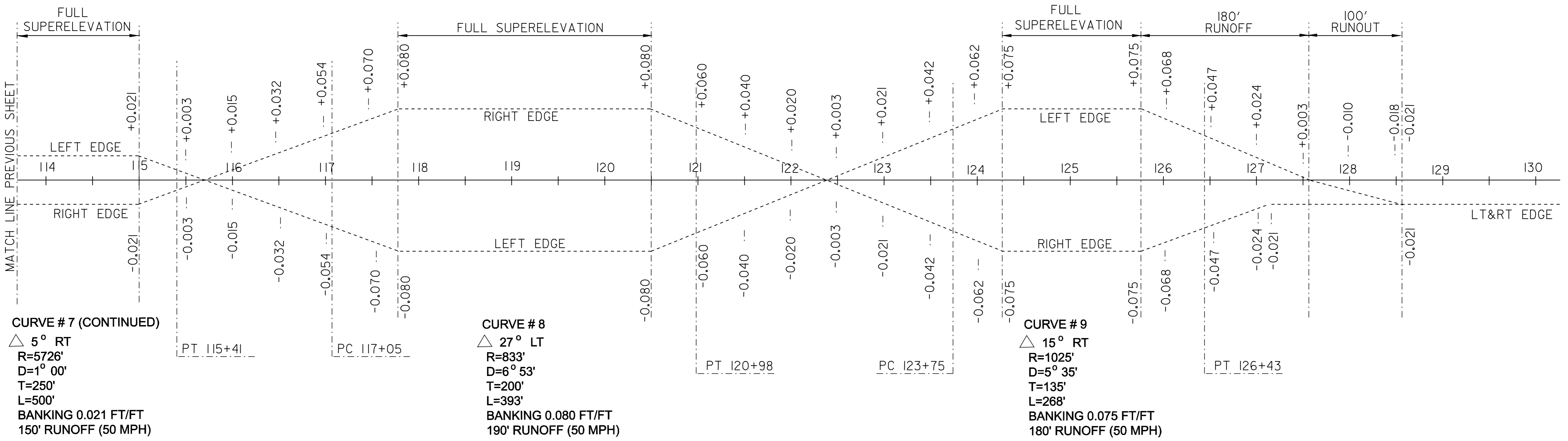
NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.

THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION
 BANKING DIAGRAM
 SHEET # 2

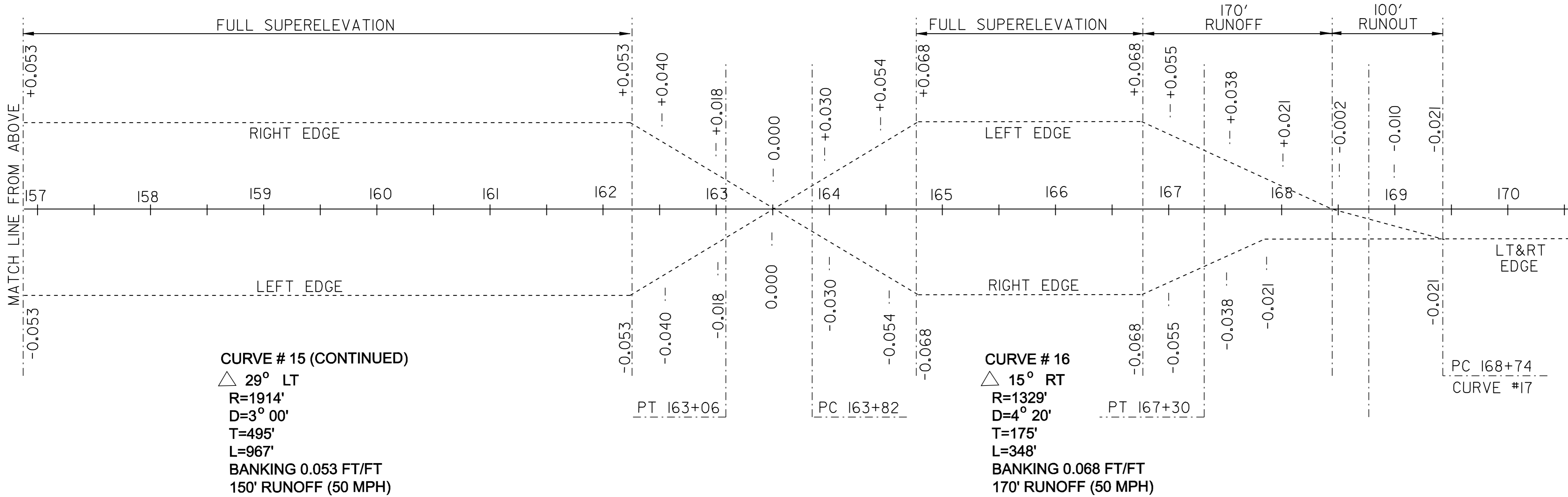
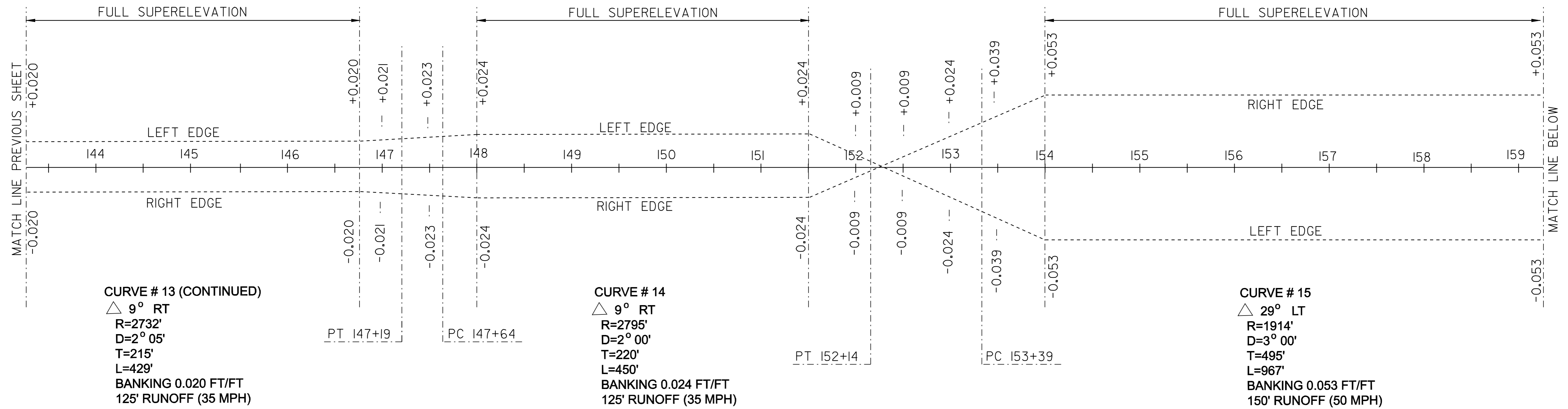
DESIGNED BY	LFW	DATE	1/05
DRAWN BY	LFW	DATE	1/05
DESIGN FILE NO.	_pave/99c192/99c192.dgn		
PRF FILE	99c192bd2.1	DATE PLOTTED	02-MAR-2007
PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S		
SHEET	47	OF	61 SHEETS



NOTES:
 SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.
 THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK
 REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE
 REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION
 BANKING DIAGRAM
 SHEET # 3

DESIGNED BY	LFW	DATE	1/05
DRAWN BY	LFW	DATE	1/05
DESIGN FILE NO.	pave/99c192/99c192.dgn		
PRF FILE	99c192bd3.1	DATE PLOTTED	02-MAR-2007
PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S		
SHEET	48	OF	61 SHEETS

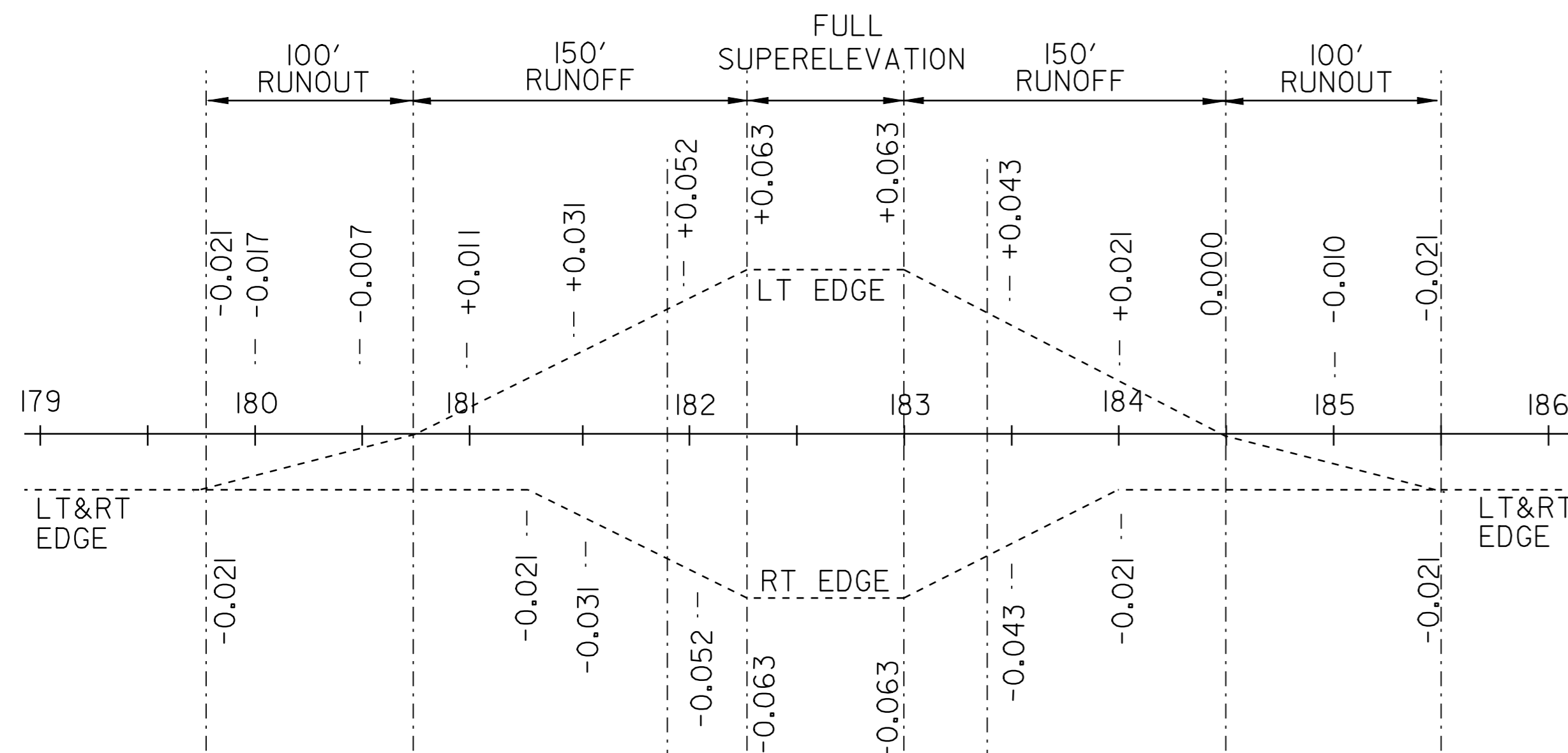


NO SUPERELEVATION TRANSITION DETAIL HAS BEEN PROVIDED FOR CURVE #17. ROADWAY IS NORMAL CROWN.

NOTES:
 SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.
 THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE REGRADING OF THE RECLAIMED AREAS.

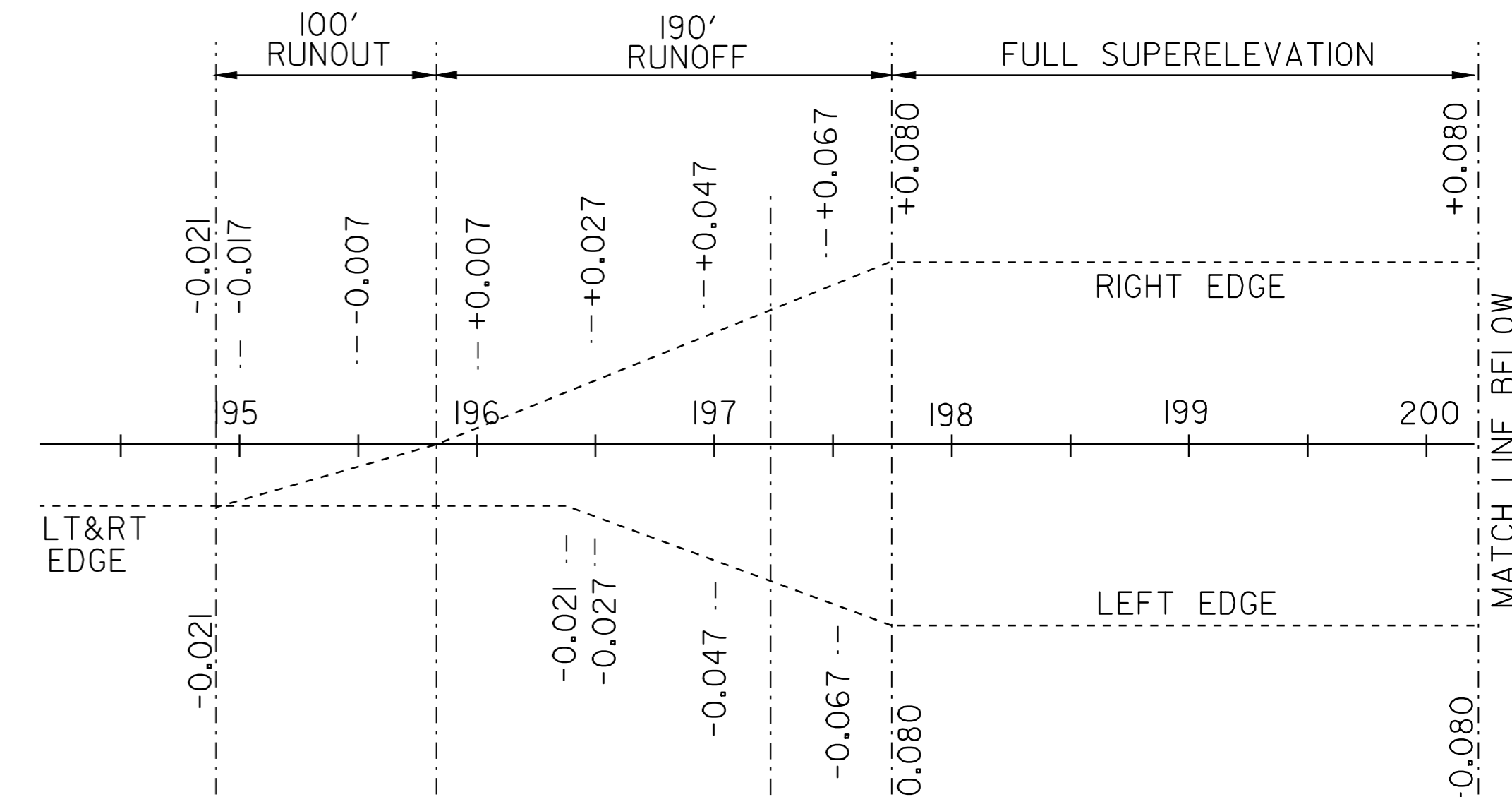
SUPERELEVATION
 BANKING DIAGRAM
 SHEET # 4

DESIGNED BY	LFW	DATE	1/05
DRAWN BY	LFW	DATE	1/05
DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
PRF FILE	99cl92bd4.1	DATE PLOTTED	02-MAR-2007
PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S		
SHEET	49	OF	61 SHEETS



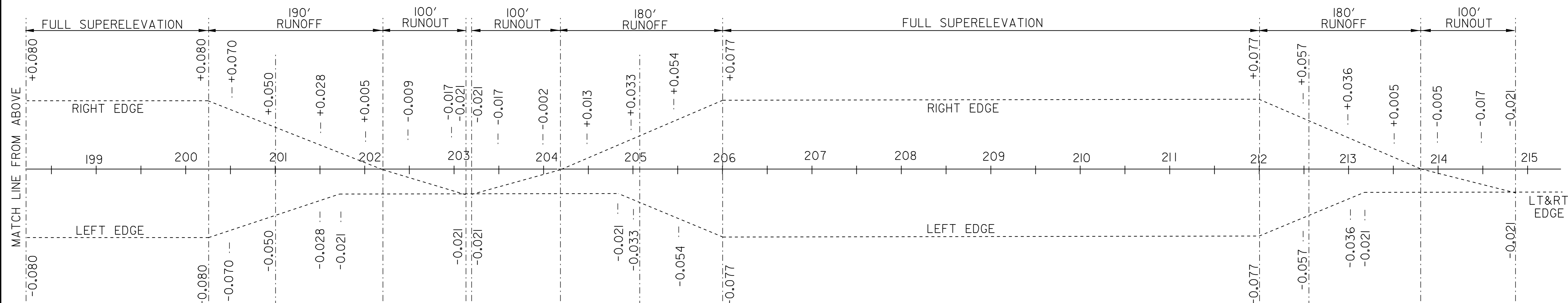
CURVE # 18
 △ 6° RT
 R=1432'
 D=4° 00'
 T=75'
 L=150'
 BANKING 0.063 FT/FT
 150' RUNOFF (50 MPH)

NO SUPERELEVATION TRANSITION
 DETAIL HAS BEEN PROVIDED FOR
 CURVE #19. ROADWAY IS NORMAL
 CROWN.



CURVE # 20
 △ 43° LT
 R=508'
 D=11° 15'
 T=200'
 L=381'
 BANKING 0.080 FT/FT
 190' RUNOFF (50 MPH)

CURVE # 19
 △ 1° LT
 R=8595'
 D=0° 45'
 T=75'
 L=150'
 BANKING NORMAL
 CROWN (50 MPH)



CURVE # 20 (CONTINUED)
 △ 43° LT
 R=508'
 D=11° 15'
 T=200'
 L=381'
 BANKING 0.080 FT/FT
 190' RUNOFF (50 MPH)

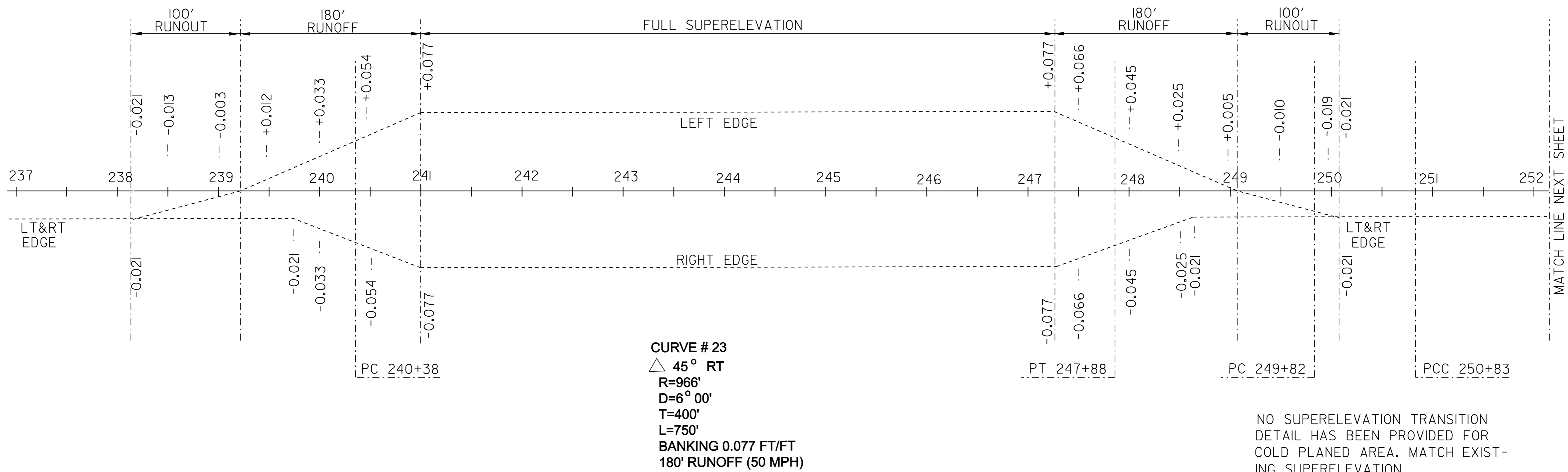
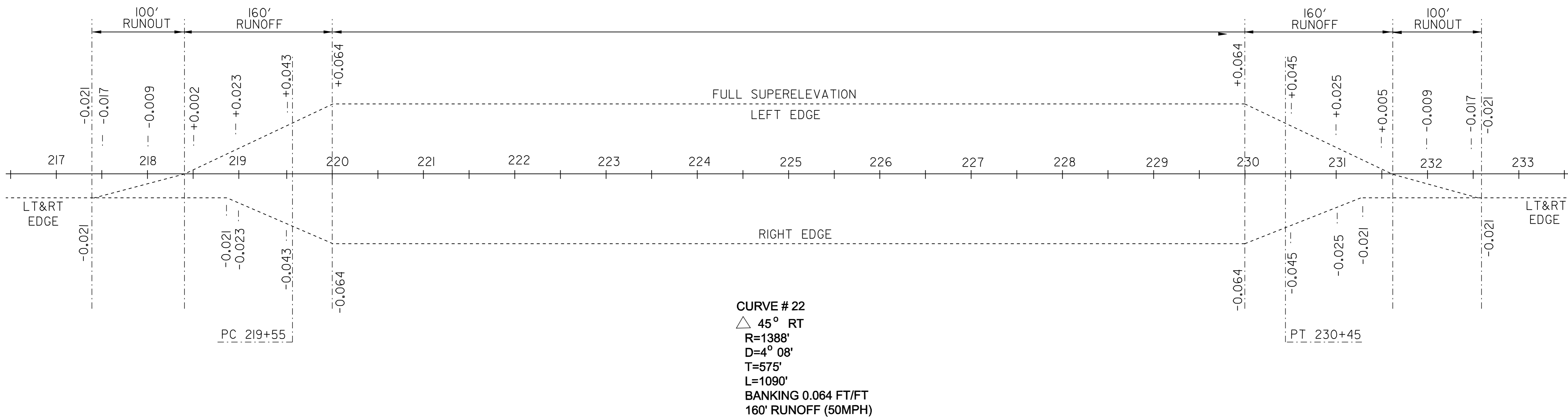
CURVE # 21
 △ 45° LT
 R=966'
 D=6° 00'
 T=400'
 L=750'
 BANKING 0.077 FT/FT
 180' RUNOFF (50 MPH)

NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.

THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK
 REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE
 REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION BANKING DIAGRAM SHEET #5		DESIGNED BY <u>LFW</u> DATE <u>1/05</u>
		DRAWN BY <u>LFW</u> DATE <u>1/05</u>
		DESIGN FILE NO. <u>pave/99c192/99c192.dgn</u>
PRF FILE <u>99c192bd5.1</u> DATE <u>1/05</u>	DATE PLOTTED <u>12-MAR-2007</u>	
PROJ. NAME MORGAN		
PROJ. NO. AC STP 2220(1)S		
SHEET 50 OF 61 SHEETS		

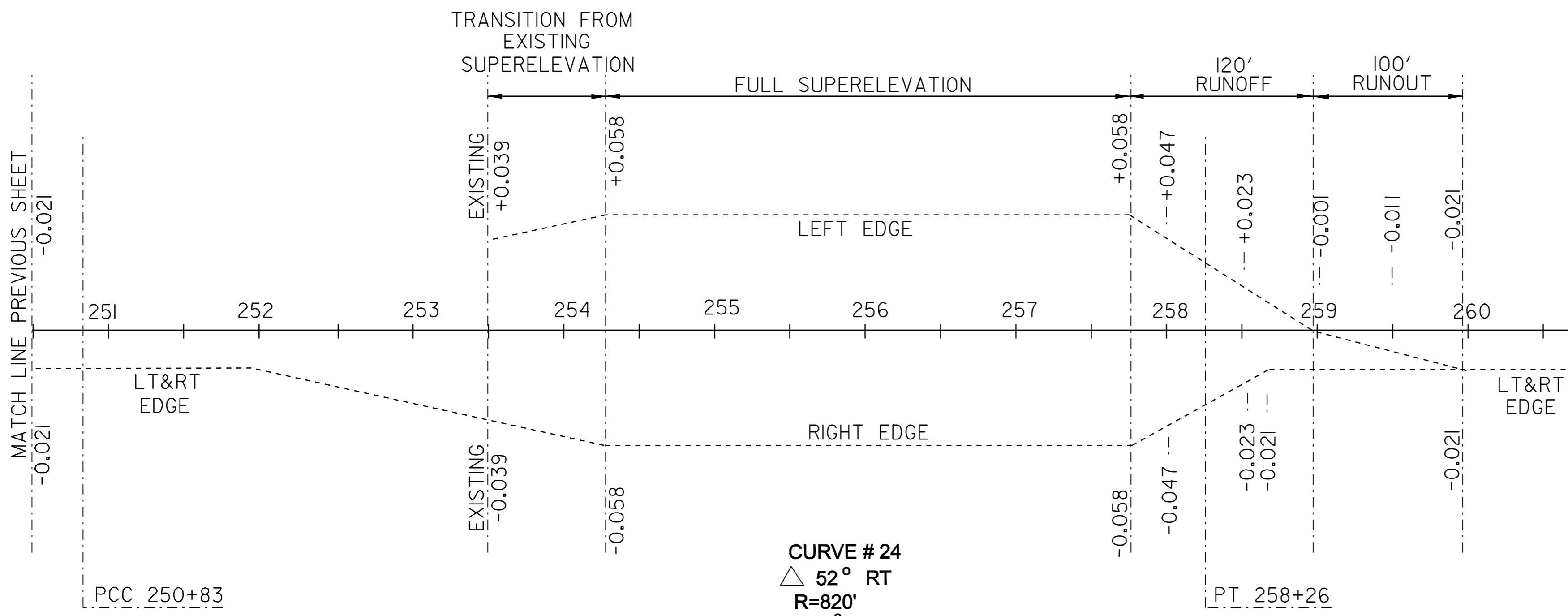


NO SUPERELEVATION TRANSITION
 DETAIL HAS BEEN PROVIDED FOR
 COLD PLANED AREA. MATCH EXIST-
 ING SUPERELEVATION.

NOTES:

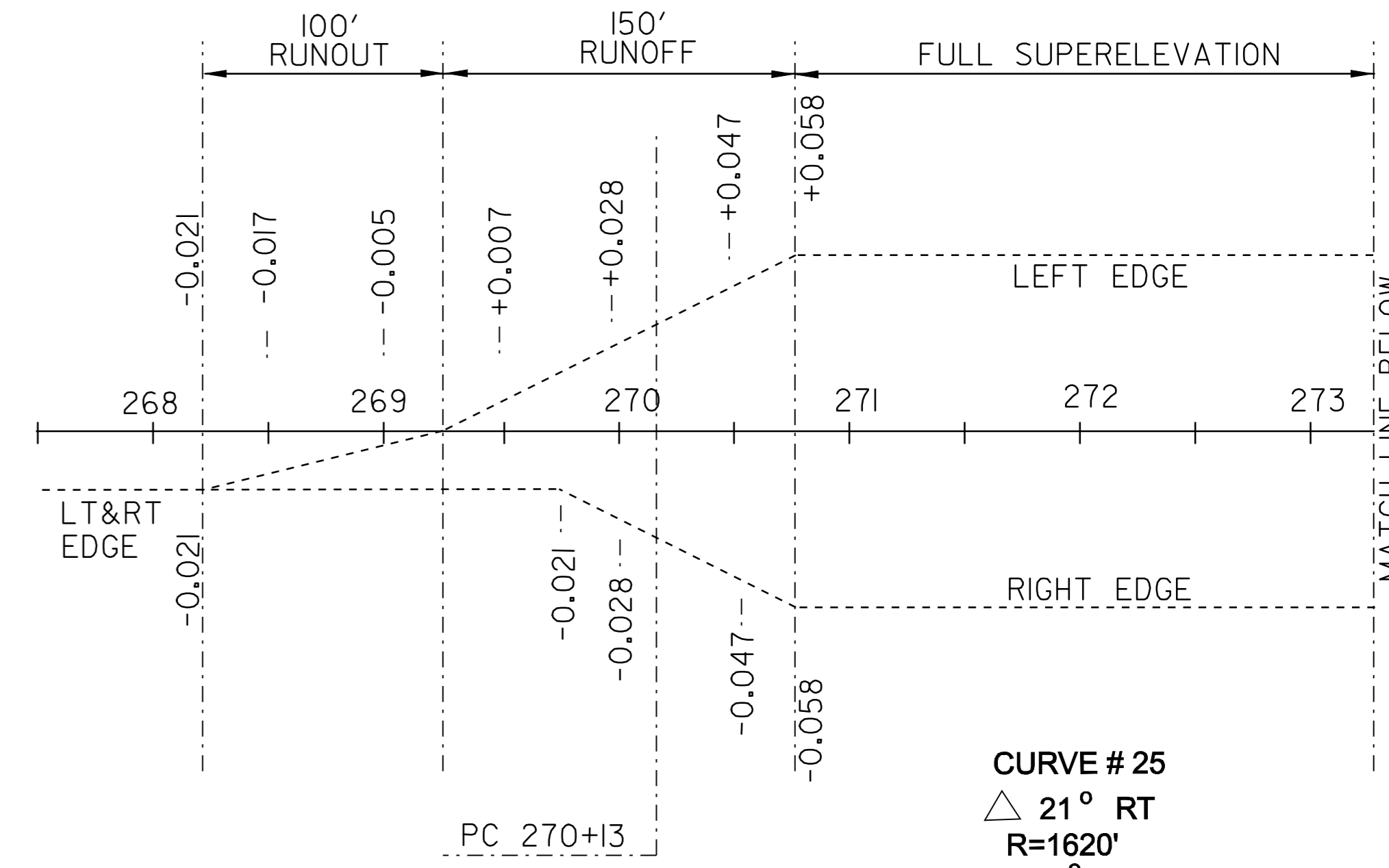
SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.
 THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK
 REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE
 REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION BANKING DIAGRAM SHEET # 6		DESIGNED BY <u> LFW </u> DATE <u> 1/05 </u>
		DRAWN BY <u> LFW </u> DATE <u> 1/05 </u>
		DESIGN FILE NO. <u> pave/99cl92/99cl92.dgn </u>
PRF FILE <u> 99cl92bd6.1 </u> DATE <u> 1/05 </u>	PLOTTED <u> 12-MAR-2007 </u>	
PROJ. NAME MORGAN		
PROJ. NO. AC STP 2220(1)S		
SHEET 51 OF 61 SHEETS		

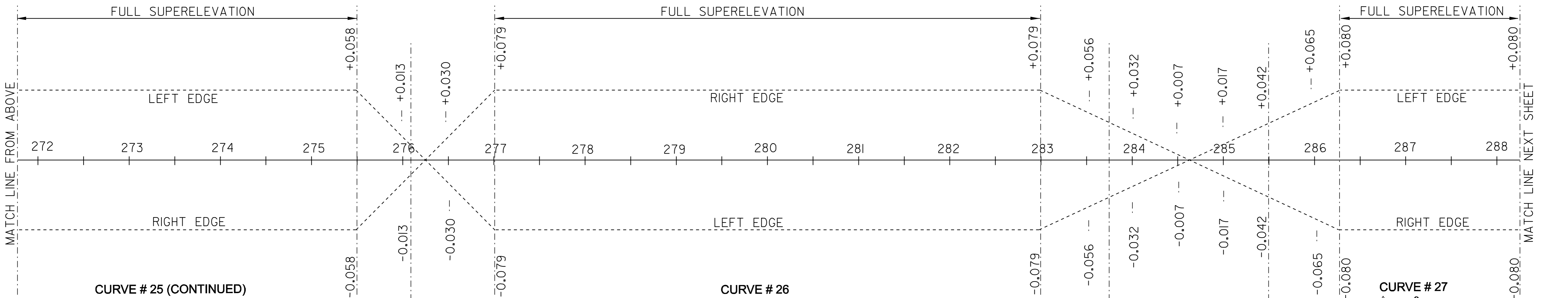


CURVE # 24
 △ 52° RT
 R=820'
 D=7° 00'
 T=400'
 L=743'
 BANKING 0.058 FT/FT
 120' RUNOFF (35 MPH)

NO SUPERELEVATION TRANSITION
 DETAIL HAS BEEN PROVIDED FOR
 COLD PLANED AREA. MATCH EXIST-
 ING SUPERELEVATION.



CURVE # 25
 △ 21° RT
 R=1620'
 D=3° 30'
 T=300'
 L=594'
 BANKING 0.058 FT/FT
 150' RUNOFF (50 MPH)



CURVE # 25 (CONTINUED)
 △ 21° RT
 R=1620'
 D=3° 30'
 T=300'
 L=594'
 BANKING 0.058 FT/FT
 150' RUNOFF (50 MPH)

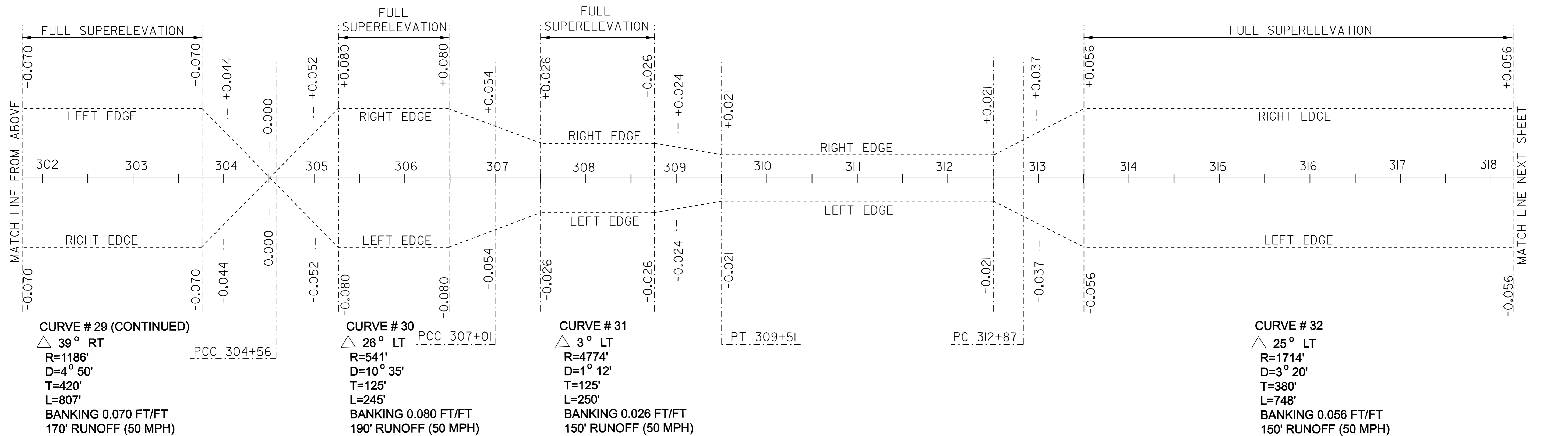
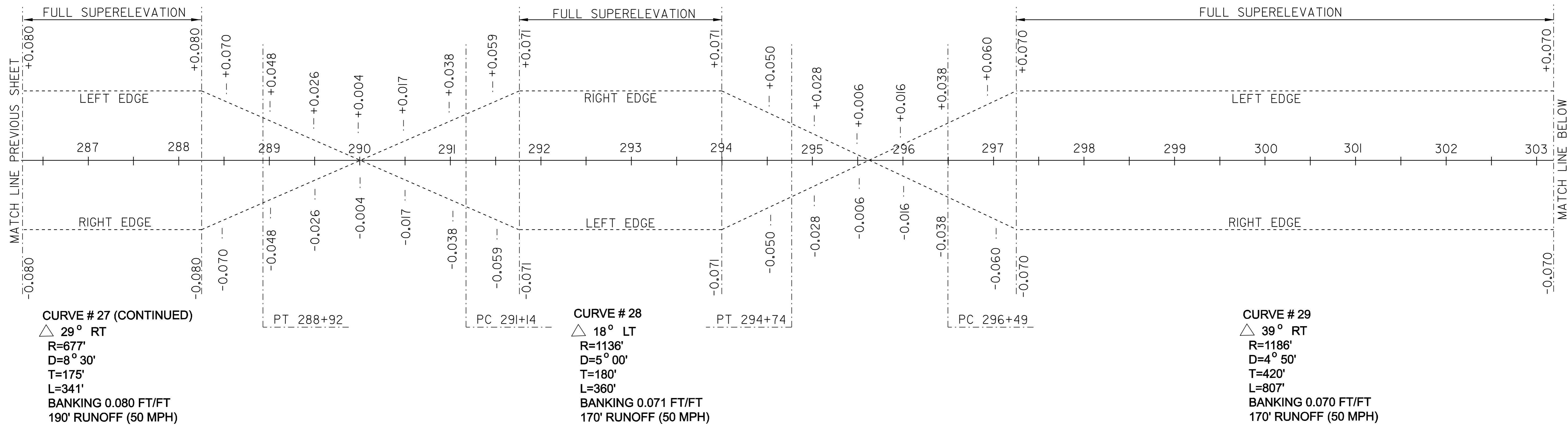
CURVE # 26
 △ 49° LT
 R=894'
 D=6° 25'
 T=407.34'
 L=765'
 BANKING 0.079 FT/FT
 190' RUNOFF (50 MPH)

CURVE # 27
 △ 29° RT
 R=677'
 D=8° 30'
 T=175'
 L=341'
 BANKING 0.080 FT/FT
 190' RUNOFF (50 MPH)

NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.
 THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK
 REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE
 REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION BANKING DIAGRAM SHEET # 7		DESIGNED BY	LFW	DATE	1/05	
		DRAWN BY	LFW	DATE	1/05	
		DESIGN FILE NO.	pave/99c192/99c192.dgn			
		PRF FILE	99c192bd7.1	DATE PLOTTED	02-MAR-2007	
PROJ. NAME		MORGAN				
PROJ. NO.		AC STP 2220(1)S				
SHEET		52	OF	61	SHEETS	

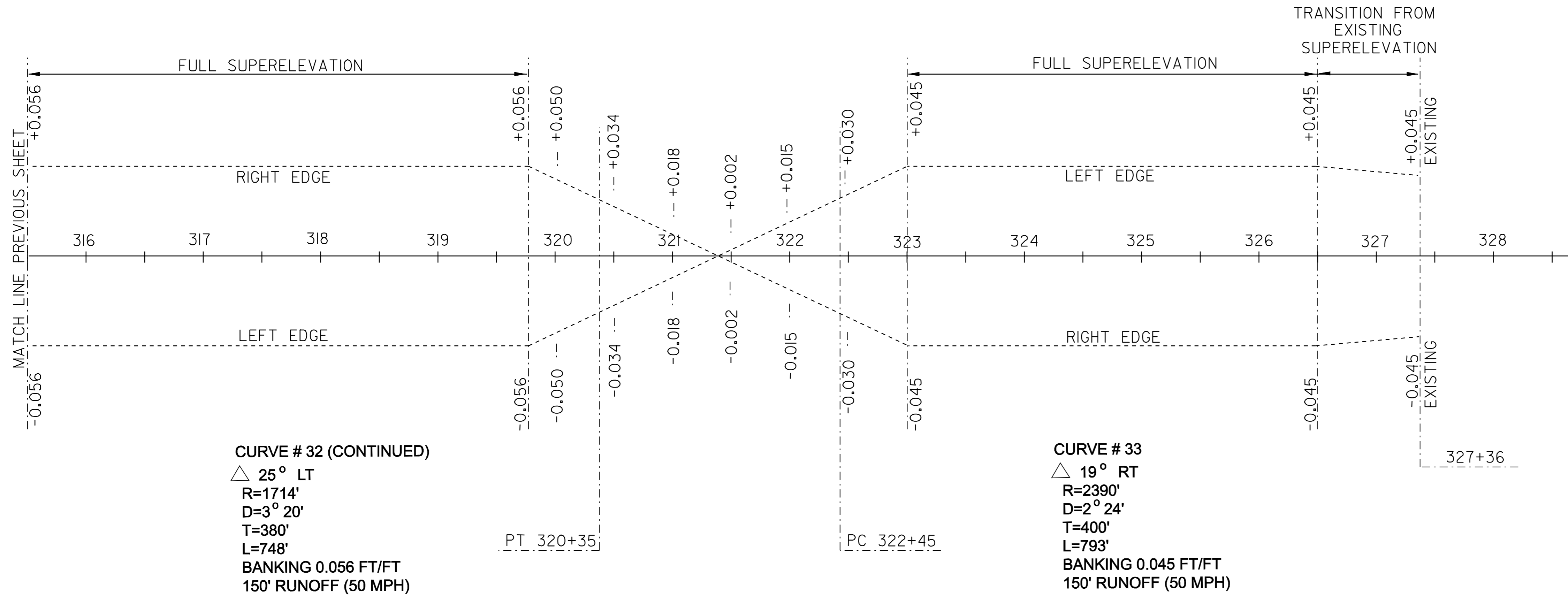


NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.

THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION BANKING DIAGRAM SHEET # 8		DESIGNED BY	LFW	DATE	1/05	
		DRAWN BY	LFW	DATE	1/05	
		DESIGN FILE NO.	pave/99cl92/99cl92.dgn			
		PRF FILE	99cl92bd8.1	DATE PLOTTED	02-MAR-2007	
PROJ. NAME		MORGAN				
PROJ. NO.		AC STP 2220(1)S				
SHEET		53	OF	61	SHEETS	



NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.

THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION
 BANKING DIAGRAM
 SHEET #9

DESIGNED BY	LFW	DATE	1/05
DRAWN BY	LFW	DATE	1/05
DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
PRF FILE	99cl92bd9.1	DATE PLOTTED	12-MAR-2007
PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S		
SHEET	54	OF	61 SHEETS

CENTERLINE STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST SALVAGE RETAIN	NO. OF POSTS	NEW SIGN POSTS																REQUIRE FRAME SIGN	REMARKS	SIGN DETAIL			
		EA	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		
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE					WEIGHT	POST SIZE
113+42 LT		1	30	30	6.25				1			X		X														BACK - TO - BACK	E-143 E-138		
113+80 LT		1	24	30	5.00				1			X		X														MOUNT NEW LEGAL LOAD SIGN OVER SALVAGED SPEED LIMIT SIGN ON A NEW POST	E-141		
131+35 RT		1	36	36	9.00				2			X		X															61	-	
147+31 LT		1	30	30	6.25				1			X		X															E-143		
147+86 LT		1	24	30	5.00				1			X		X															E-141		
147+86 LT		1	30	30	6.25				1			X		X														BACK - TO - BACK	E-143 E-138		
147+91 RT		1	30	30	6.25				1			X		X															E-143		
147+91 RT		1	24	30	5.00				1			X		X															MOUNT NEW LEGAL LOAD SIGN OVER SALVAGED SPEED LIMIT SIGN ON A NEW POST	E-141	
148+22 RT		1	30	30	6.25				1			X		X															E-143		
148+22 RT		1	18	18	2.25				1			X		X															INSTALL HAZARD MARKER IN END OF RAISED ISLAND	E-150	
148+80 RT		1	18	18	2.25				1			X		X															INSTALL HAZARD MARKER IN END OF RAISED ISLAND	E-150	
177+67 LT		1	36	36	9.00				2			X		X															61	-	
			-	-																									INSTALL SALVAGED MM SIGN BELOW NEW REDUCED SPEED AHEAD SIGN		

CENTERLINE STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	SALVAGE	NO. OF POSTS	NEW SIGN POSTS												REQUIRE SIGN SAME	REMARKS	SIGN DETAIL							
		EA	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				
												1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	FOUND-ACTION	3.0	3.5			4.0	5.0			FTG. SIZE	WEIGHT	POST SIZE	
																																	lb/ft
207+60 RT		1	24	30	5.00						1			X		X																	E-141
208+37 RT		1	30	30	6.25						1			X		X																E-143	
217+94 RT		1	36	36	9.00						2			X		X														61	-		
223+12 RT		1	24	30	5.00						1			X		X																E-141	
223+44 RT		1	30	30	6.25						1			X		X																E-143 E-138	
252+72 LT		1	30	30	6.25						1			X		X																E-143	
252+98 LT		1	24	30	5.00						1			X		X																E-141	
252+98 LT		1	30	30	6.25						1			X		X														61	-		
259+60 LT		1	30	30	6.25						1			X		X																E-143 E-138	

OPTION ITEMS

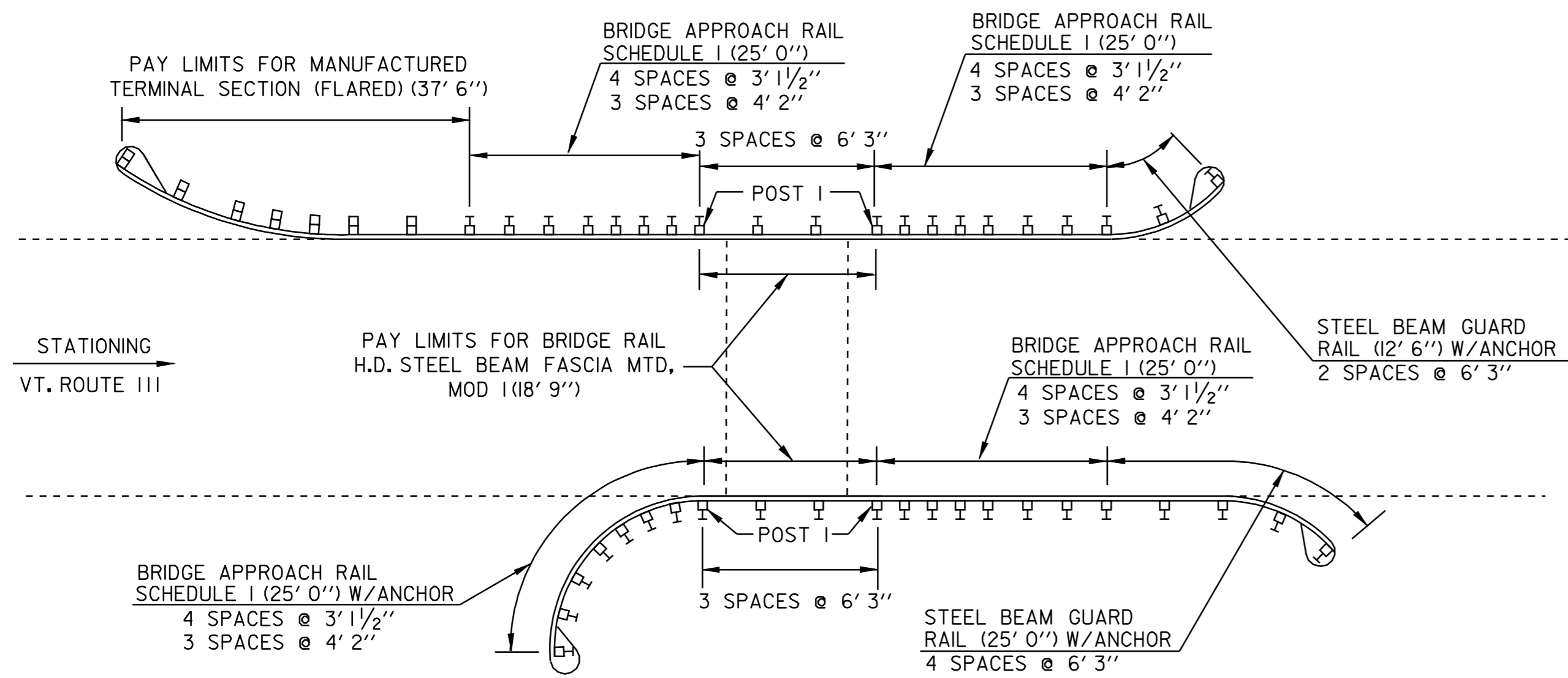
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC OPERATIONS SECTION'S "SIGN POST DESIGN GUIDELINE."

SIGN SHEET 2 SUBTOTALS

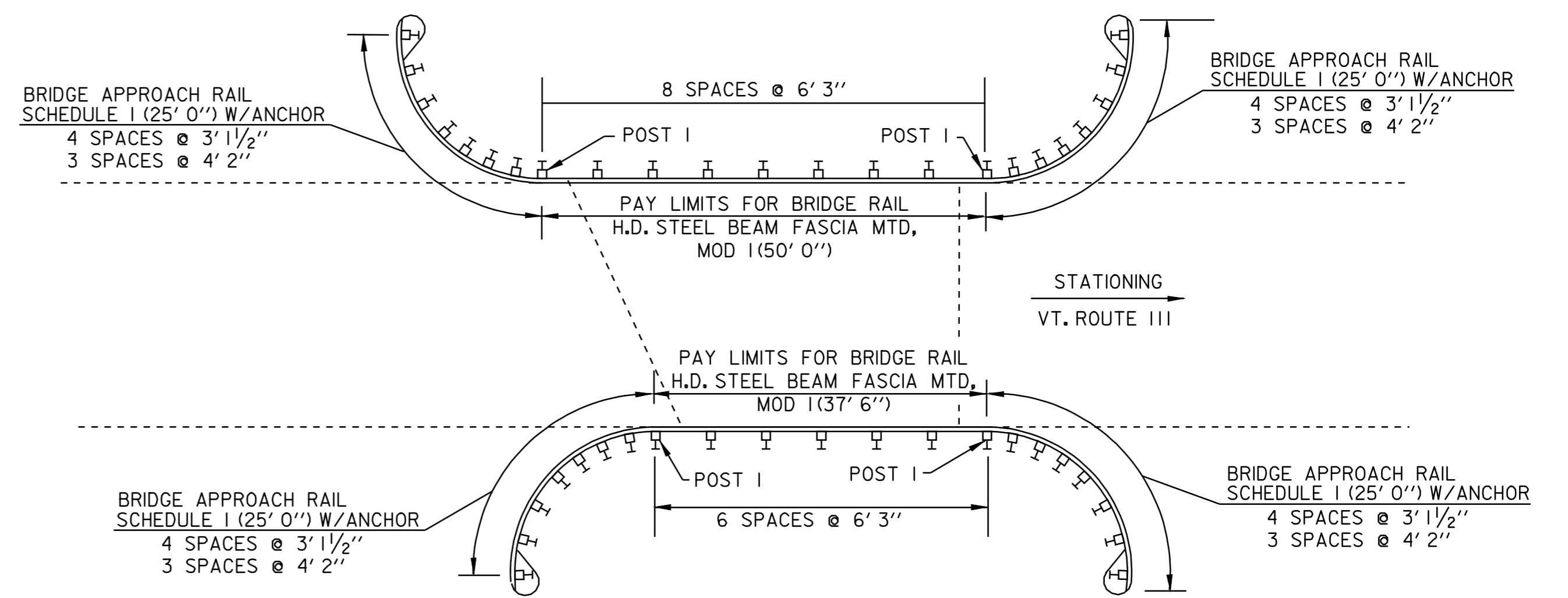
f+2	f+2	EA.	f+2		f+2	f+2	f+2	f+2	f+2	f+2	f+2	f+2	f+2	EA.	lb	lb	lb	EA.	lb	lb	lb	lb	EA.	EA.	lb
55.91																									

PROJECT: **MORGAN AC STP 2220(1)S**

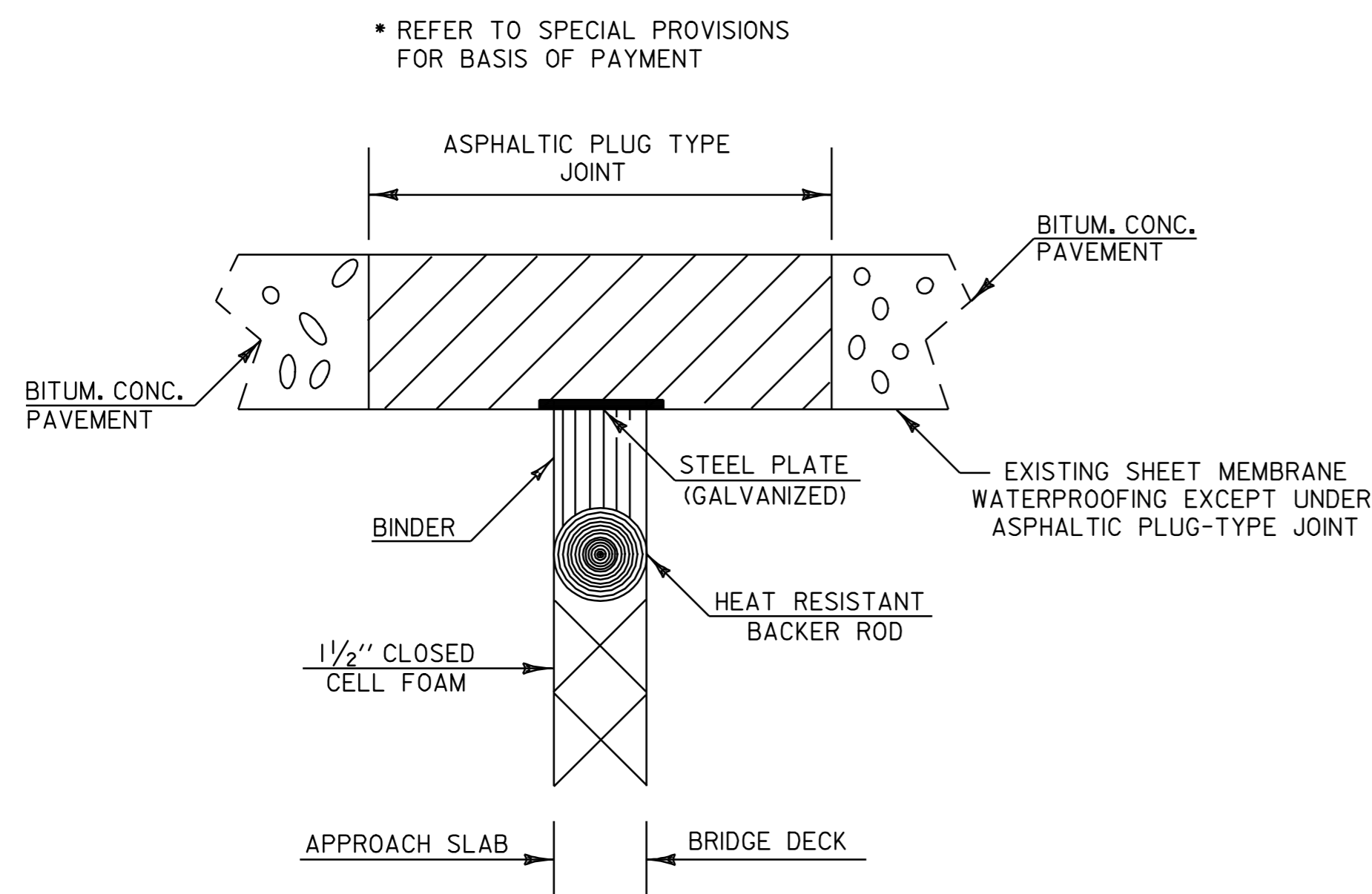
DESIGN FILE NAME: pave/99cl92/99cl92.dgn PLOT DATE: 12-MAR-2007 11:38
 IPARM FILE NAME: 99cl92ts2.1 SURVEY DATE:
 SURVEYED BY: DRAWN BY: LFW
 SQUAD LEADER: SHEET: **56** OF **61**



MORGAN - BRIDGE #5
STA 159+73 = MM 3.025
(FIELD MEASURED STA 159+73)



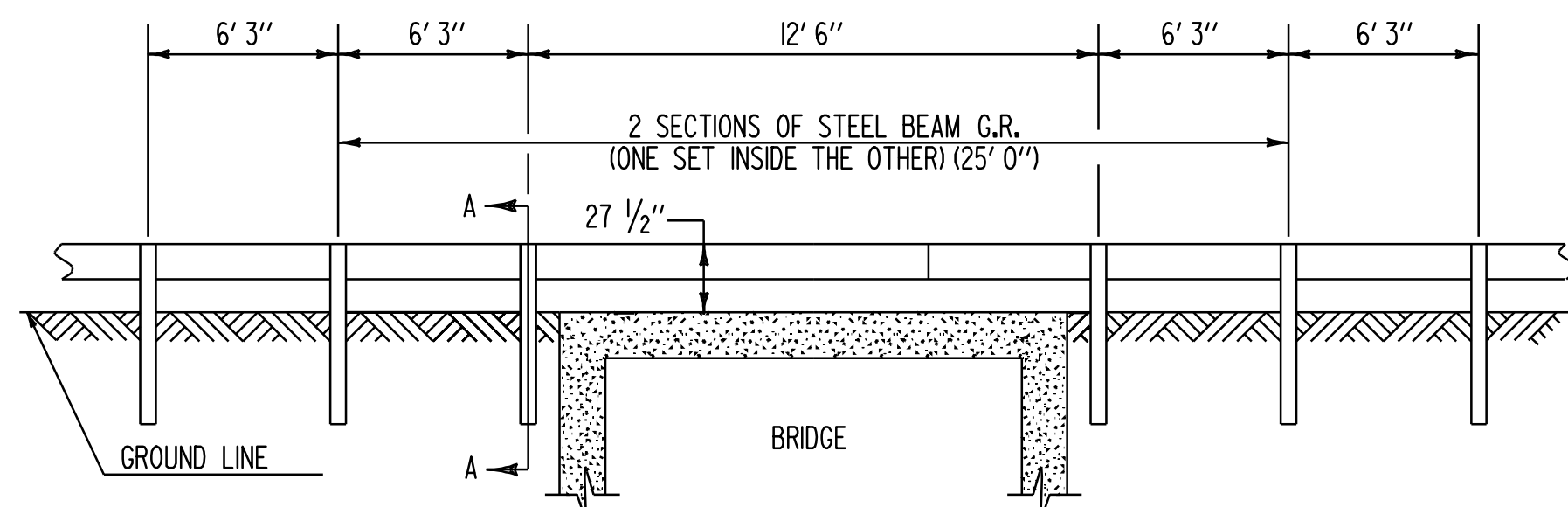
MORGAN - BRIDGE #8
STA 251+46 = MM 4.763
(FIELD MEASURED STA 251+15)



- ASPHALTIC PLUG TYPE JOINT DETAIL -

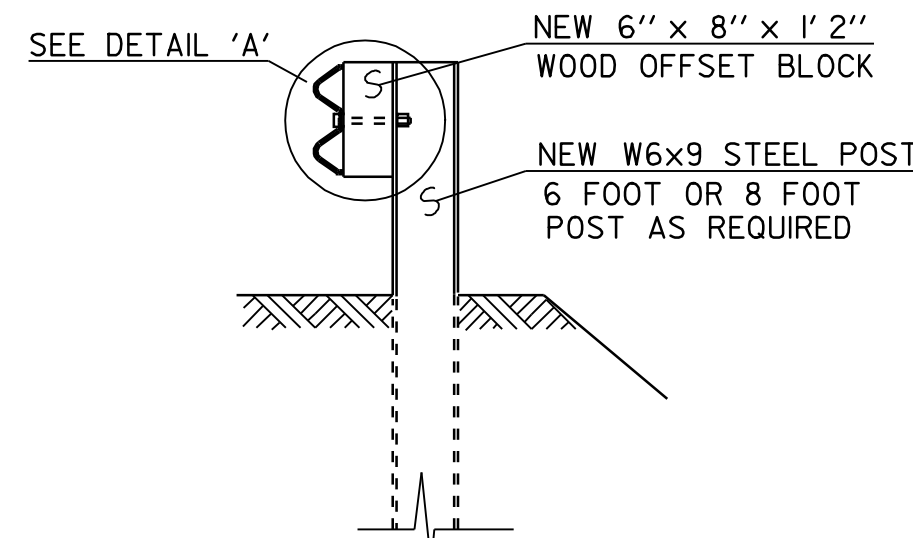
LOCATION
MORGAN
 BRIDGE #8 (25 FEET) - STA 250+87 (FIELD MEASURE)
 BRIDGE #8 (25 FEET) - STA 251+40 (FIELD MEASURE)

BRIDGE DETAIL SHEET #2	DESIGNED BY	LFW	DATE	6/04
	DRAWN BY	LFW	DATE	6/04
	DESIGN FILE NO.	pave/99cl92/99cl92.dgn		
	PRF FILE	99cl92br2.i	DATE PLOTTED	12-MAR-2007 11:3
	PROJ. NAME	MORGAN		
PROJ. NO.	AC STP 2220(1)S			
SHEET	59	OF	61	SHEETS

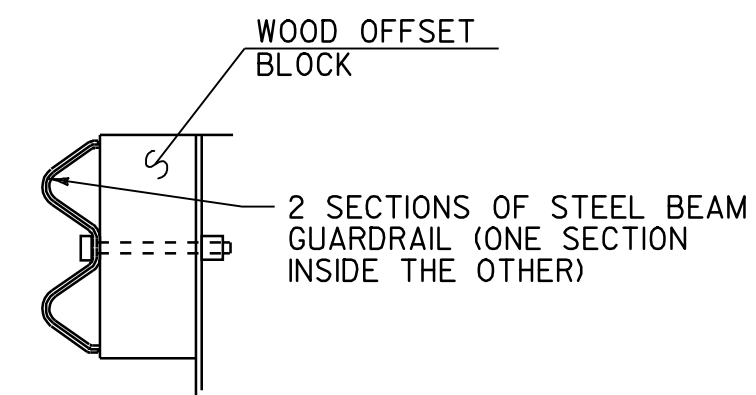


DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS AND BRIDGES

BRIDGE #4 - STA 128+30 (MM 2.430) (48" CMPAC)
 BRIDGE #9 - STA 304+75 (MM 5.772) (5' x 5' CONC. BOX)
 UNNUMBERED BRIDGE - STA 310+70 (MM 5.884) (4' x 4' CONC. BOX)
 NOT TO SCALE



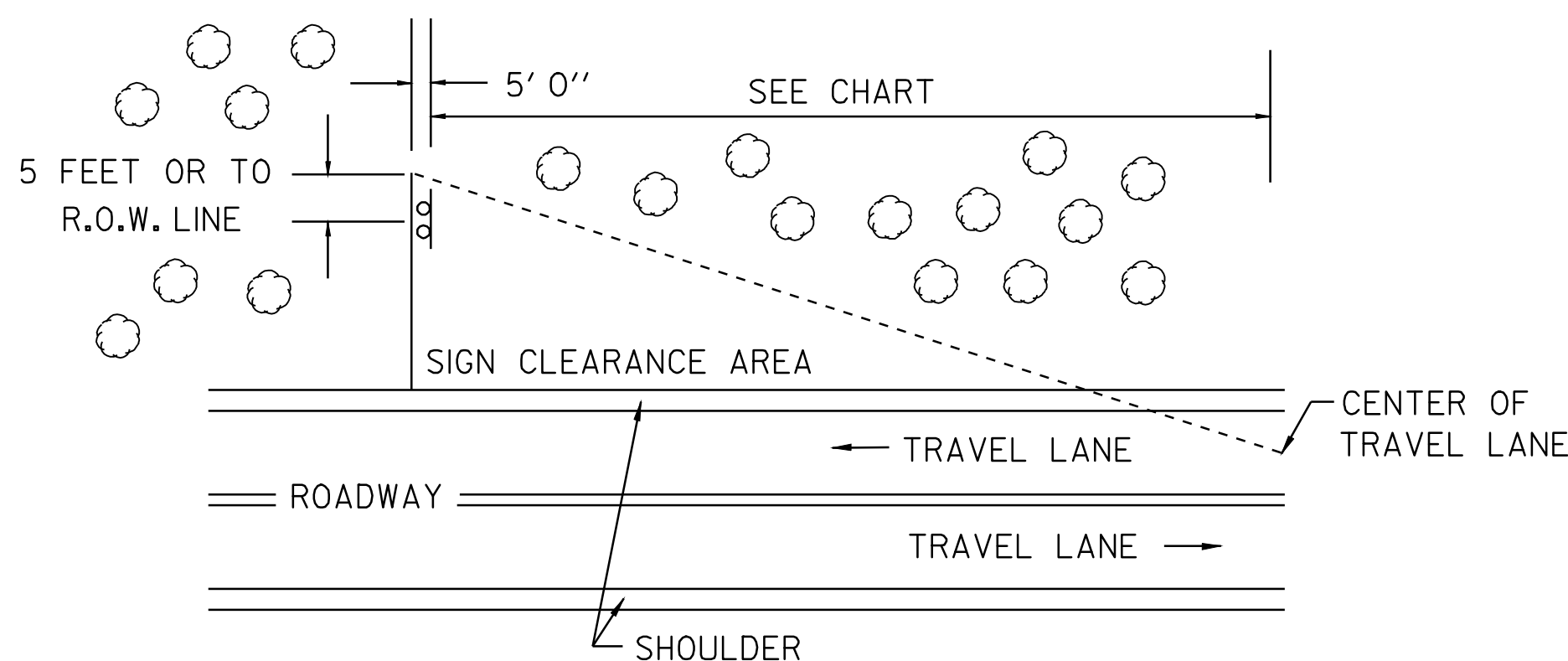
SECTION A-A
NOT TO SCALE



DETAIL A
NOT TO SCALE

NOTES

1. SEE STANDARD G-1 FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.20 STEEL BEAM GUARDRAIL AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEETS OR AS DIRECTED BY THE RESIDENT ENGINEER.



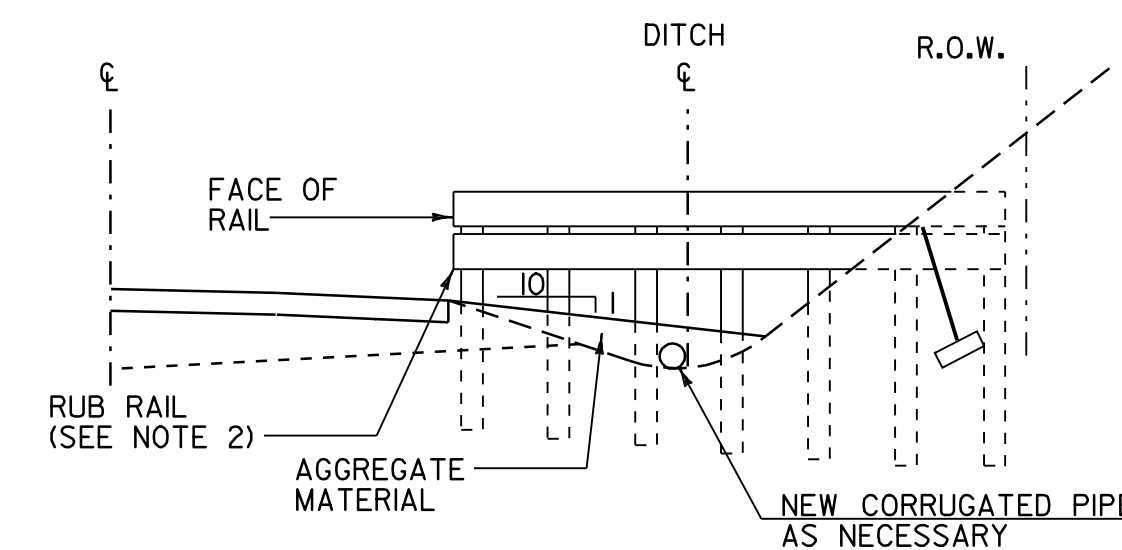
MINIMUM SIGN SIGHT DISTANCE CHART

APPROACH SPEED (mph)	SIGHT DISTANCE	
	(meters)	(feet)
30 OR LESS	90	300
35	105	350
40	120	400
45	135	450
50	150	500
55	165	550

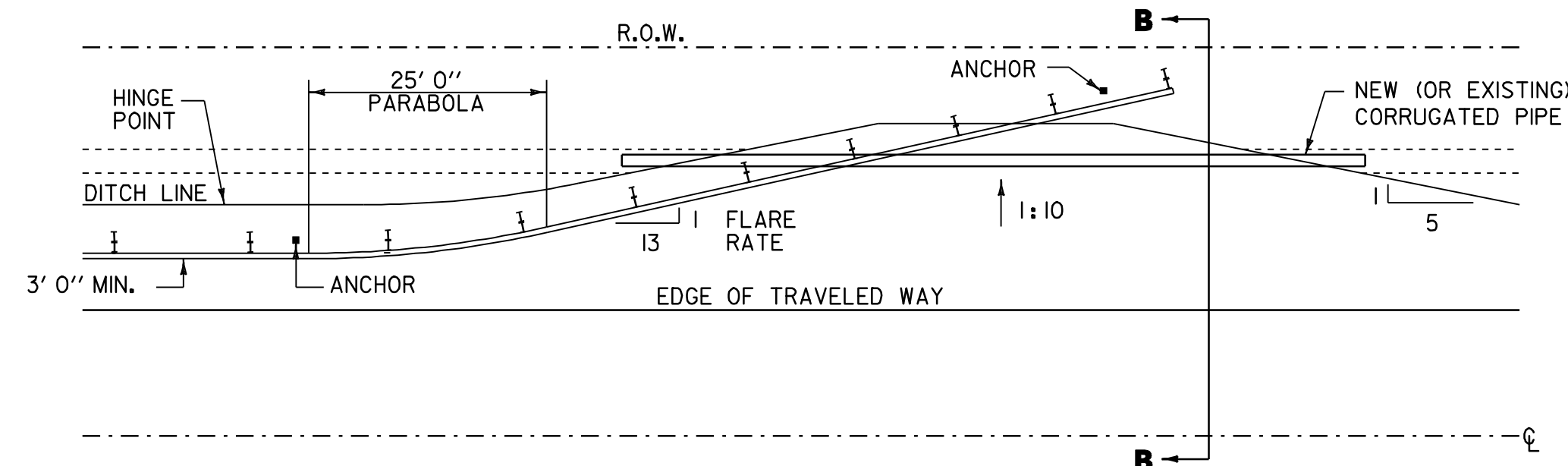
THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL. PAYMENT WILL BE FOR THINNING AND TRIMMING ITEM 201.31, AND PAID FOR PER EACH. (NO CHEMICALS, POISONS, OR DEFOLIANTS ALLOWED)

CLEARING LIMITS FOR SIGNS ON CONVENTIONAL ROADS

NOT TO SCALE



SECTION B-B



DETAIL FOR BURIED GUARDRAIL ENDS INTO BACKSLOPES

MORGAN

- STA 106+00.0 LT
- STA 110+00.0 LT
- STA 110+87.5 LT
- STA 135+30.0 LT
- STA 137+12.5 LT
- STA 305+12.5 LT
- STA 310+00.0 LT
- STA 311+50.0 LT

NOT TO SCALE

NOTES:

1. PRIMARY RAIL SHALL REMAIN AT A CONSTANT HEIGHT (LEVEL) RELATIVE TO THE HEIGHT OF RAIL AT THE EDGE OF SHOULDER.
2. ADDITION OF RUB RAIL IS REQUIRED WHEN OPENING BENEATH PRIMARY RAIL EXCEEDS 18 INCHES; RUB RAIL EXTENDS FROM THE EDGE OF SHOULDER TO THE BACK SLOPE.

**MISCELLANEOUS DETAIL SHEET
 (GUARDRAIL SPAN AT SMALL BRIDGE DETAIL)
 (CLEARING LIMITS FOR SIGNS)
 (BURIED END GUARD RAIL DETAILS)**

DESIGNED BY LFW DATE 6/06

DRAWN BY LFW DATE 6/04

DESIGN FILE NO. /pave/99ci92/99ci92.dgn

PRF FILE 99ci92gr1.i DATE PLOTTED 12-MAR-2007 11:3

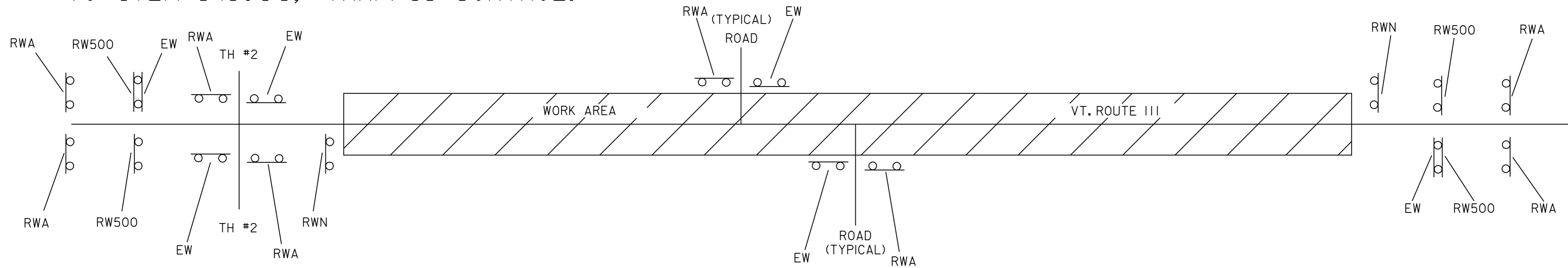
PROJ. NAME: MORGAN

PROJ. NO.: AC STP 2220(1)S

SHEET 60 OF 61 SHEETS

DATUM	N/A
VERTICAL	N/A
HORIZONTAL	N/A

THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORKZONE SPEED REDUCTIONS IN COMPLIANCE WITH STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL.



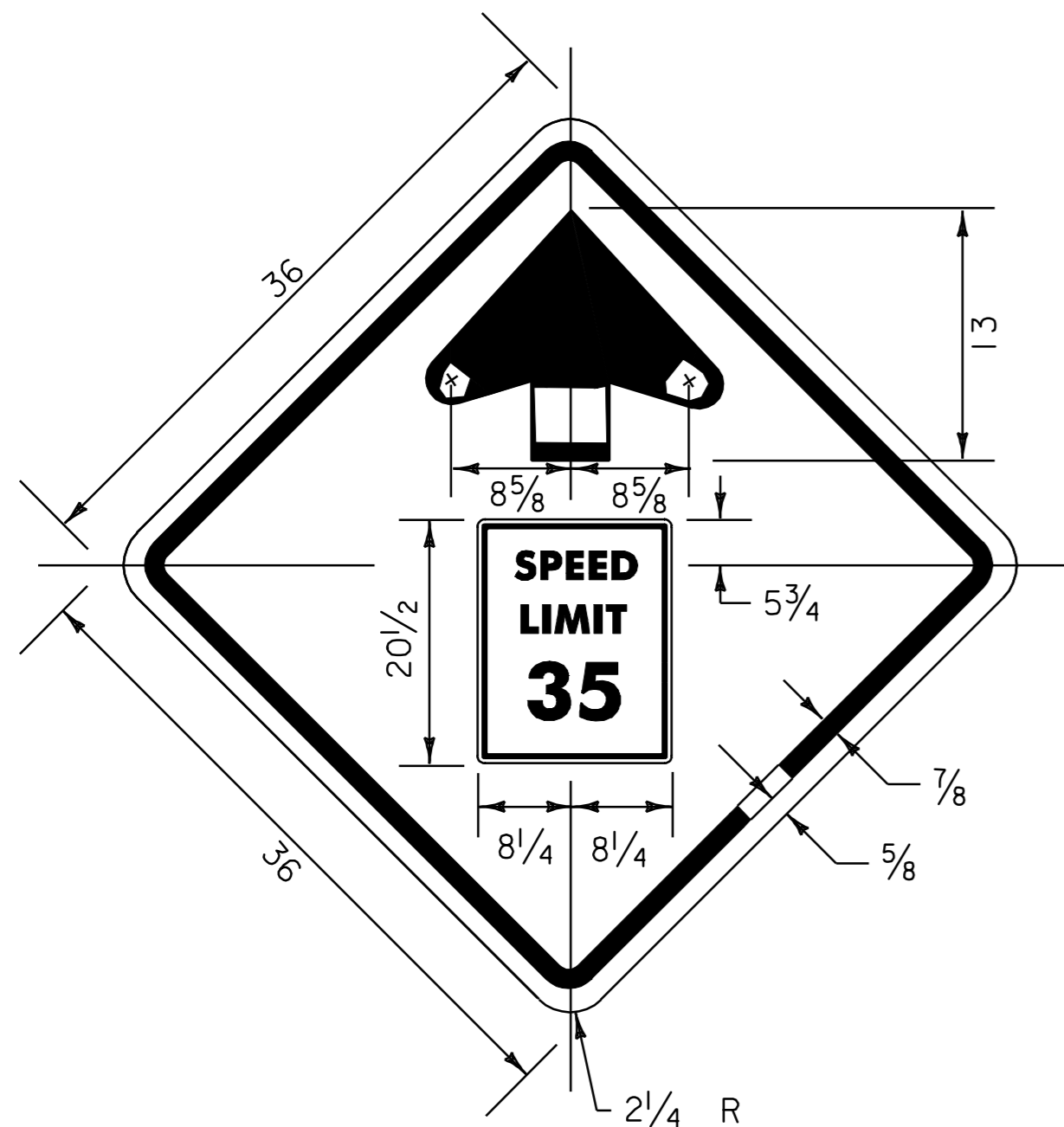
LEGEND
 RWA = ROAD WORK AHEAD
 RW500 = ROAD WORK 500 FEET
 EW = END WORK
 RWN = ROAD WORK NEXT 5/4 MILES

CONSTRUCTION APPROACH SIGNING

SEE STD. E-100 AND E-103 FOR SIGN PLACEMENT
 RESIDENT ENGINEER, AT HIS OR HER DISCRETION, MAY ELIMINATE CONSTRUCTION APPROACH SIGNING AT DEAD END LOCATIONS

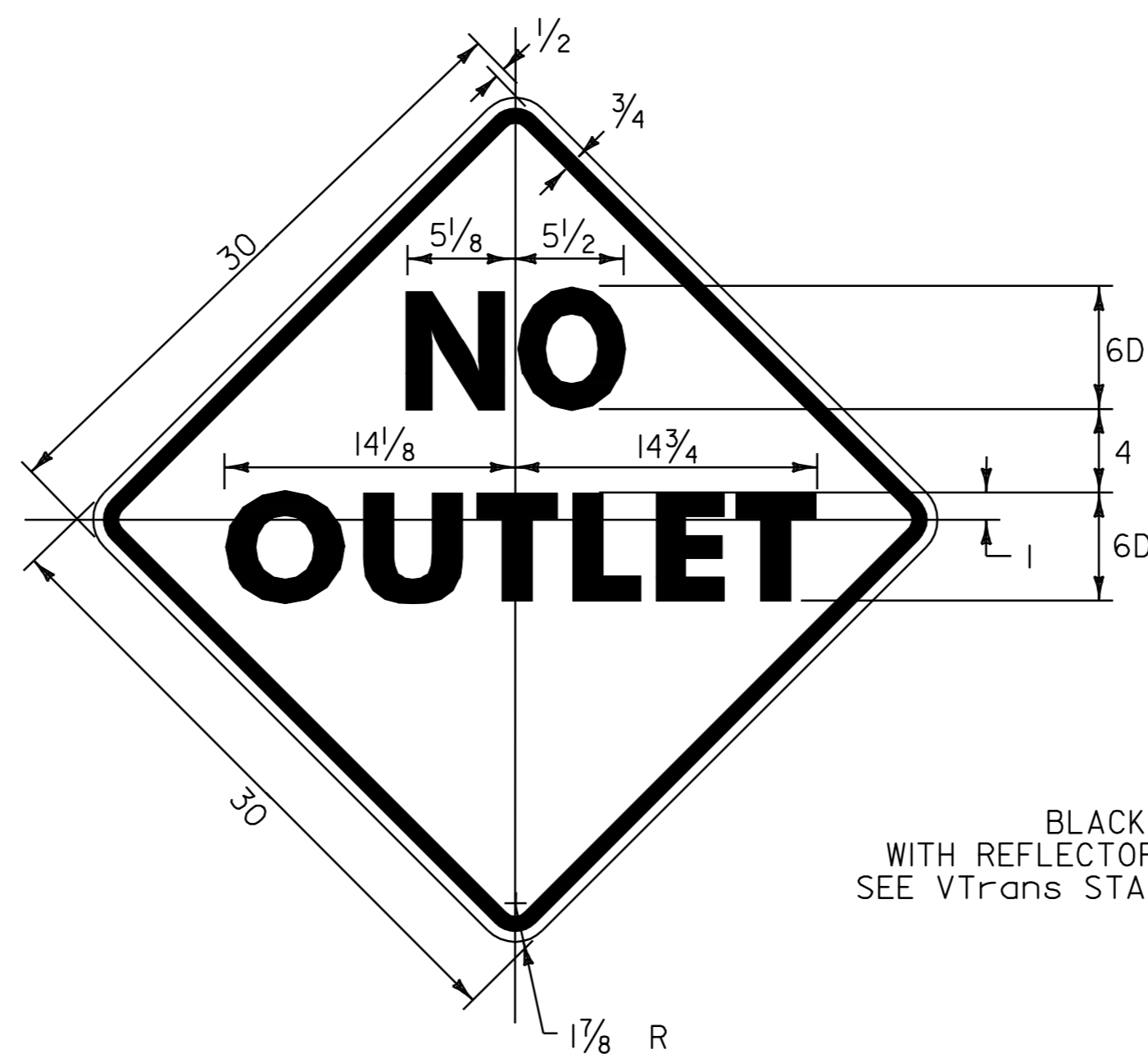
LIST OF CONSTRUCTION SIGNS

TOWN HIGHWAY	RWA	RW500	EW	RWN
MORGAN				
BEGIN PROJECT	2	2		1
TH #2 OLIVER RD.				
TH #2 OLIVER RD.				
TH #11 CHAMPING RD.				
TH #3 E. CHARLESTON RD.				
TH #12 SIMINEAU RD.				
TH #27 OXBOW RD.				
TH #27 OXBOW RD.				
TH #1 E. VALLEY RD.				
TH #30 AHRIENS RD.				
TH #20 WILDWOOD VALLEY RD.				
TH #18				
END PROJECT	2	2		1
TOTALS	15	4	13	2



WARNING SIGN
 COLORS: BORDER & SYMBOL - BLACK (NON-REFL.)
 BACKGROUND - YELLOW (REFL.).
 REFER TO STD. E-151 FOR MATERIALS

SPEED LIMIT INSERT
 COLORS: BORDER & TEXT - BLACK (NON-REFL.)
 BACKGROUND - WHITE (REFL.).



BLACK BORDER & TEXT
 WITH REFLECTORIZED YELLOW BACKGROUND
 SEE VTrans STANDARD E-153 FOR MATERIALS

SIGN DETAILS ARE NOT TO SCALE
 DIMENSIONS ARE INCHES UNLESS OTHERWISE INDICATED

CONSTRUCTION APPROACH
 SIGNING & SIGN
 DETAIL SHEET

DESIGNED BY LFW DATE 6/04
 DRAWN BY LFW DATE 6/04
 DESIGN FILE NO. pave/99c192/99c192.dgn
 PRF FILE 99c192cas.1 DATE PLOTTED 12-MAR-2007 11:3
 PROJ. NAME **MORGAN**
 PROJ. NO. **AC STP 2220(1)S**
 SHEET **61** OF **61** SHEETS