

# STATE OF VERMONT AGENCY OF TRANSPORTATION

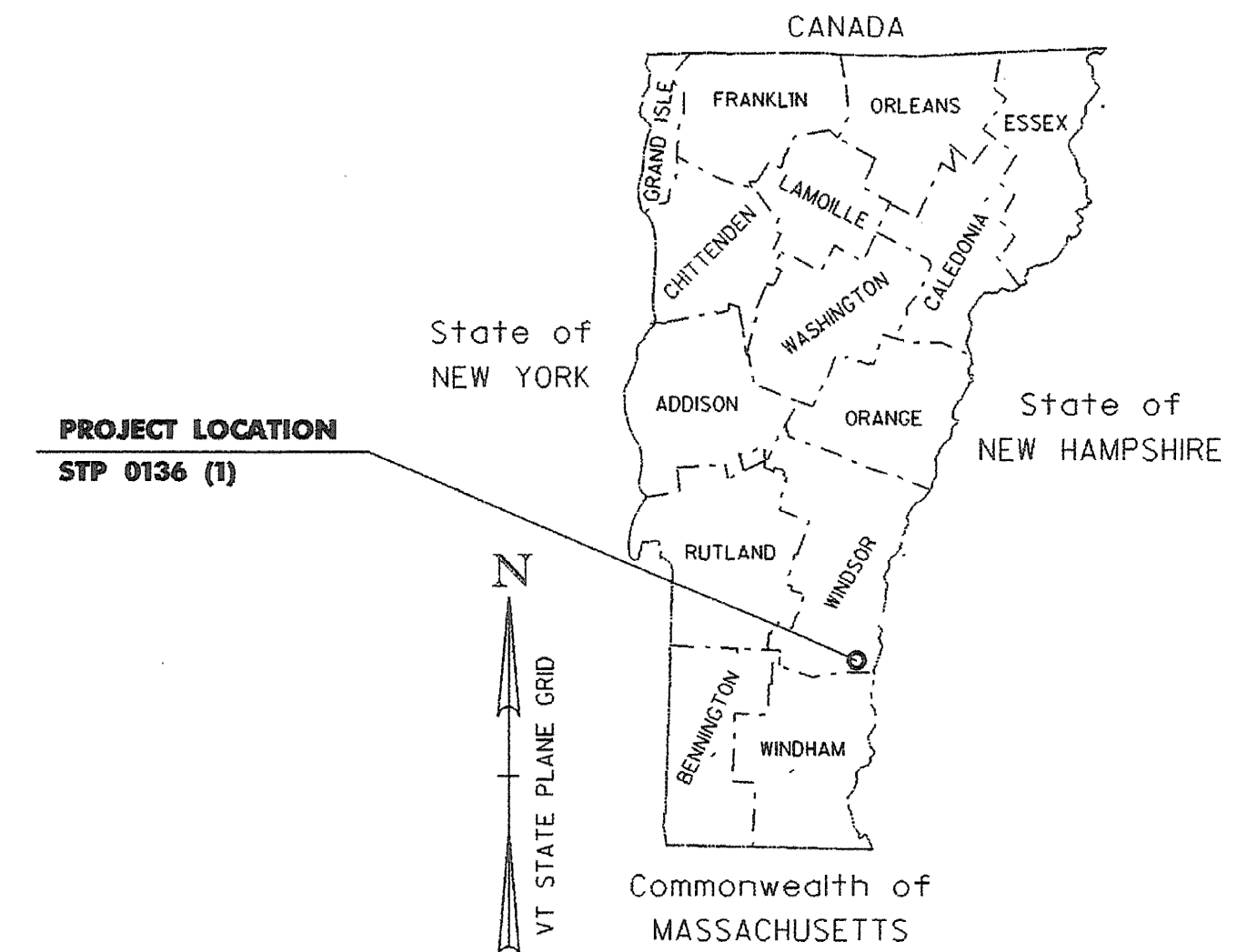


## PROPOSED IMPROVEMENT TOWN OF SPRINGFIELD COUNTY OF WINDSOR STATE NUMBERED ROUTE 143, CLASS II TOWN HIGHWAY

BEGINNING AT STATION 63+00 (MM 1.00) ON TOWN HIGHWAY 143 IN THE TOWN OF SPRINGFIELD  
AND EXTENDING EASTERLY FOR A DISTANCE OF 25064 FEET (4.747 MILES) TO THE END OF THE  
PROJECT AT STATION 313+63.61 (MM 5.75) AND THE U.S. ROUTE 5 INTERSECTION.

LENGTH OF PROJECT = 25064 FEET = 4.747 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RECLAIMING, COLD PLANING  
AND RESURFACING, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS, AND OTHER RELATED ITEMS.



**TRAFFIC DATA**

HIGHWAY SECTION	ADT		DHY		%T		%D		ADTI		FLEXIBLE ESALs	
	2008	2028	2008	2028	2008	2028	2008	2028	2008	2028	(08-28)	(08-48)
HARTNESS STREET TO MAPLE DELL ROAD	1000	1300	110	150	5.3	8.1	54	54	50	100	258,000	639,000
MAPLE DELL ROAD TO EUREKA RD	880	1100	100	120	5.1	8.1	55	55	40	80	192,000	478,000
EUREKA ROAD TO US ROUTE 5	510	630	55	70	7.2	12.1	59	59	30	60	109,000	278,000

**MAJOR COLLECTOR - TOWN HIGHWAY**

BITUMINOUS CONCRETE SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	152,000
DESIGN NUMBER OF GYRATIONS	75
PERFORMANCE GRADE ASPHALT BINDER	SEE PROJECT GENERAL SPECIAL PROVISIONS SECTION 490

**END STP 0136(1)**  
**MM 5.75 = 313+63.61**

RECORD PLANS	
CONTRACTOR:	LANE CONSTRUCTION CORP. - MERIDAN, CT
RESIDENT ENGINEER:	DAN BREER
CONSTRUCTION BEGAN:	APRIL 20, 2009
CONSTRUCTION COMPLETE:	OCTOBER 28, 2009
RECORD PLANS BY:	DAN BREER & CHIP PIERCE
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY:	<i>D. Breer</i> RESIDENT ENGINEER
DATE:	3/17/10
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.	

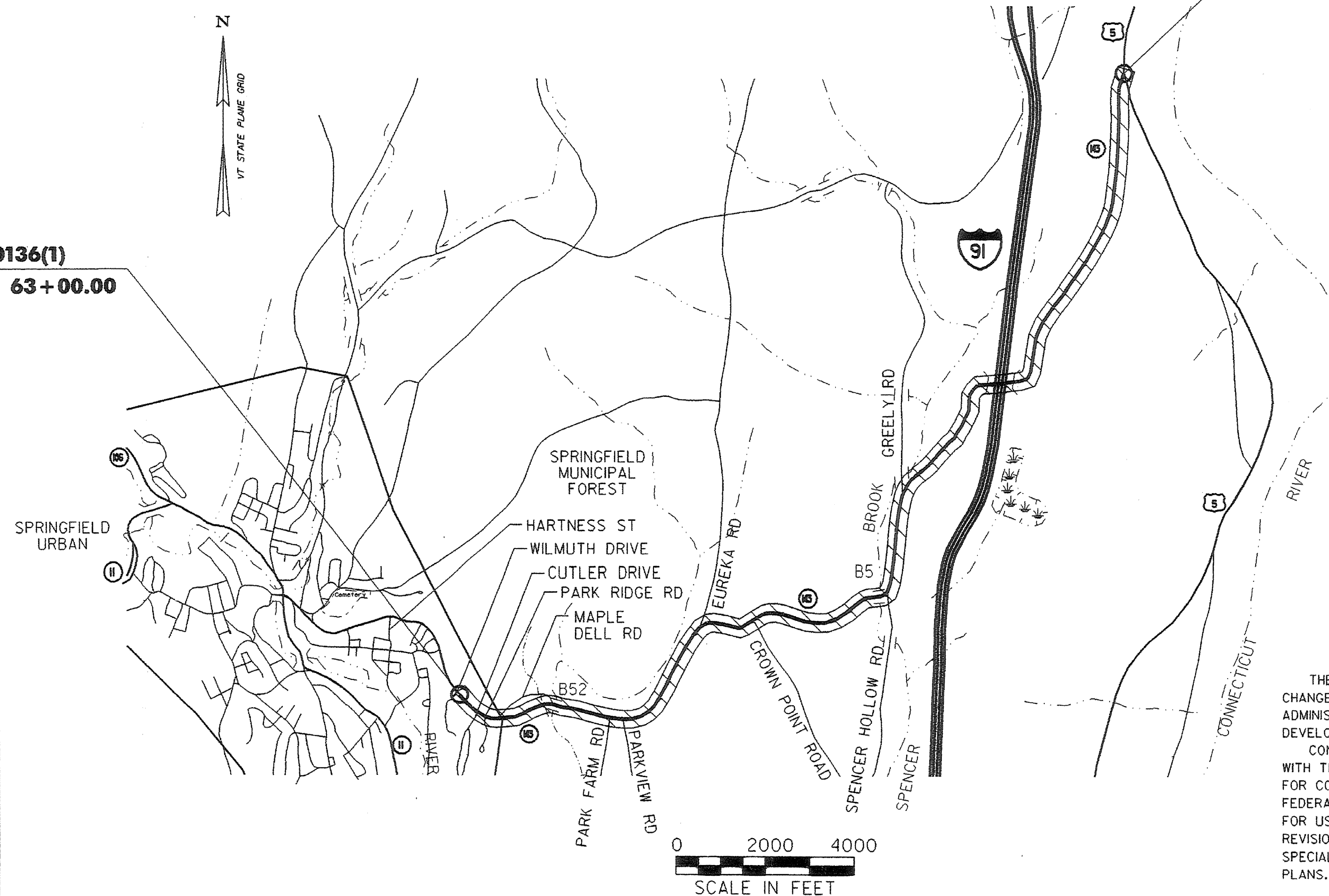
**CONVENTIONAL SYMBOLS**

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

SURVEYED BY : R. GILMAN  
SURVEYED DATE : OCTOBER 31, 2005

DATUM  
VERTICAL : NAVD 88  
HORIZONTAL : NAD 83 (96)

**BEGIN STP 0136(1)**  
**MM 1.00 = 63+00.00**



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

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.	
DIRECTOR OF PROGRAM DEVELOPMENT	APPROVED: <i>Ruth Johnson</i> DATE 12-30-08
PROJECT MANAGER :	K. UPMAL
PROJECT NAME :	SPRINGFIELD
PROJECT NUMBER :	STP 0136 (1)
SHEET 1 OF 68 SHEETS	

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**INDEX SHEET**

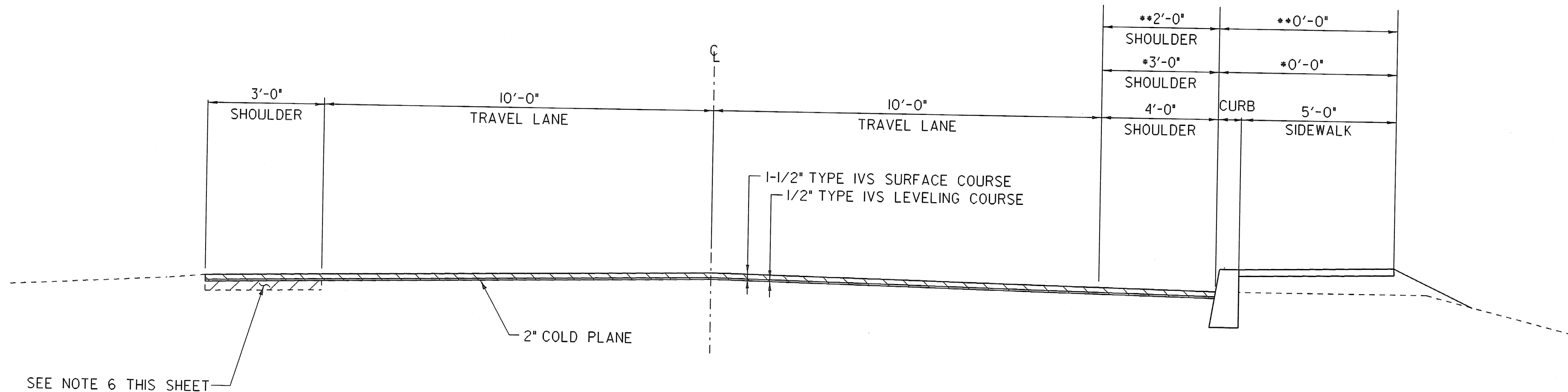
PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02c084\...02c084_frm.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: N. PAPPAS
DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_index	SHEET 2 OF 68

**VT ROUTE 143 TYPICAL SECTION**

STA 63+00 TO 70+20  
 \*STA 70+20 TO 116+75  
 \*\*STA 116+75 TO 131+00

2" COLD PLANE  
 1/2" TYPE IVS LEVELING COURSE  
 1-1/2" TYPE IVS SURFACE COURSE

NOTE: SEE TABLE ON THIS SHEET FOR PROJECT PAVING LIMITS.

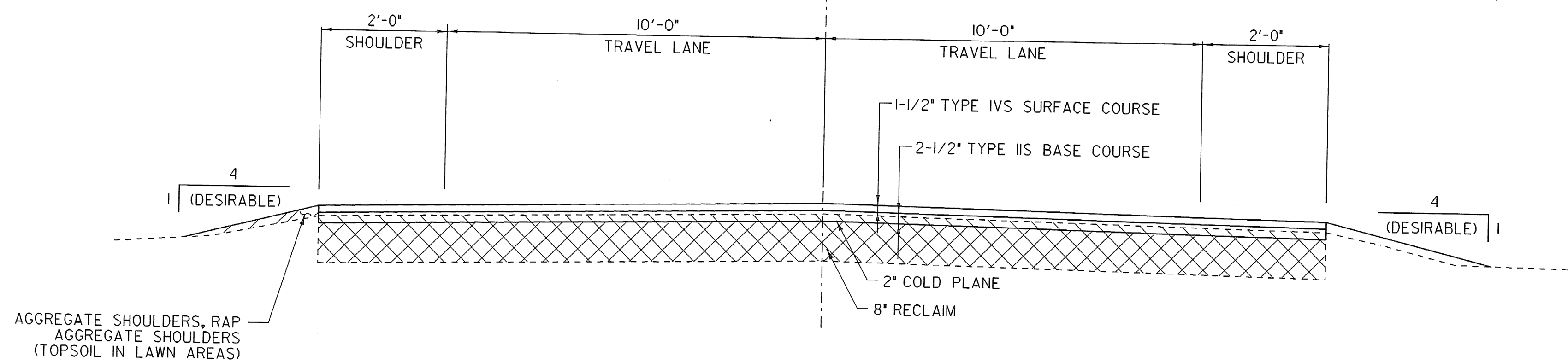


SEE NOTE 6 THIS SHEET

**VT ROUTE 143 TYPICAL SECTION**

STA 131+00 TO 136+50  
 STA 136+75 TO 159+46  
 STA 159+55 TO 174+62  
 175+00 TO 313+63.61

2" COLD PLANE  
 8" RECLAIM  
 2-1/2" TYPE IIS BASE COURSE  
 1-1/2" TYPE IVS SURFACE COURSE



4  
 1 (DESIRABLE)  
 AGGREGATE SHOULDERS, RAP  
 AGGREGATE SHOULDERS  
 (TOPSOIL IN LAWN AREAS)

**PROJECT PAVING LIMITS**

TOWN AND ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	SURFACE DEPTH	LEVELING TON	NOTES
VT 143	63+00	70+20	3FT - 10FT - 10FT - 4 FT	1 1/2 "	60	2" COLD PLANE, 1/2" TYPE IVS LEVELING COURSE, 1-1/2" TYPE IVS SURFACE COURSE
VT 143	70+20	116+75	3FT - 10FT - 10FT - 3FT	1 1/2 "	374	2" COLD PLANE, 1/2" TYPE IVS LEVELING COURSE, 1-1/2" TYPE IVS SURFACE COURSE
VT 143	116+75	131+00	2FT - 10FT - 10FT - 2FT	1 1/2 "	97	2" COLD PLANE, 1/2" TYPE IVS LEVELING COURSE, 1-1/2" TYPE IVS SURFACE COURSE
VT 143	131+00	136+50	2FT - 10FT - 10FT - 2FT	2"	0	2" COLD PLANE, 8" RECLAIM, 2-1/2" TYPE IIS BASE COURSE, 1-1/2" TYPE IVS SURFACE COURSE
VT 143	136+50	136+75	2FT - 10FT - 10FT - 2FT	1 1/2 "	2	BRIDGE: 2" COLD PLANE, 1/2" TYPE IVS LEVELING COURSE, 1-1/2" TYPE IVS SURFACE COURSE
VT 143	136+75	159+46	2FT - 10FT - 10FT - 2FT	2"	0	2" COLD PLANE, 8" RECLAIM, 2-1/2" TYPE IIS BASE COURSE, 1-1/2" TYPE IVS SURFACE COURSE
VT 143	159+46	159+54	2FT - 10FT - 10FT - 2FT	1 1/2 "	1	BRIDGE: 2" COLD PLANE, 1/2" TYPE IVS LEVELING COURSE, 1-1/2" TYPE IVS SURFACE COURSE
VT 143	159+54	174+62	2FT - 10FT - 10FT - 2FT	2"	0	2" COLD PLANE, 8" RECLAIM, 2-1/2" TYPE IIS BASE COURSE, 1-1/2" TYPE IVS SURFACE COURSE
VT 143	174+62	175+00	9FT - 9FT	1 1/2 "	2	BRIDGE *5: 2" COLD PLANE, 1/2" TYPE IVS LEVELING COURSE, 1-1/2" TYPE IVS SURFACE COURSE
VT 143	175+00	313+63.61	2FT - 10FT - 10FT - 2FT	2"	0	2" COLD PLANE, 8" RECLAIM, 2-1/2" TYPE IIS BASE COURSE, 1-1/2" TYPE IVS SURFACE COURSE

NOT TO SCALE

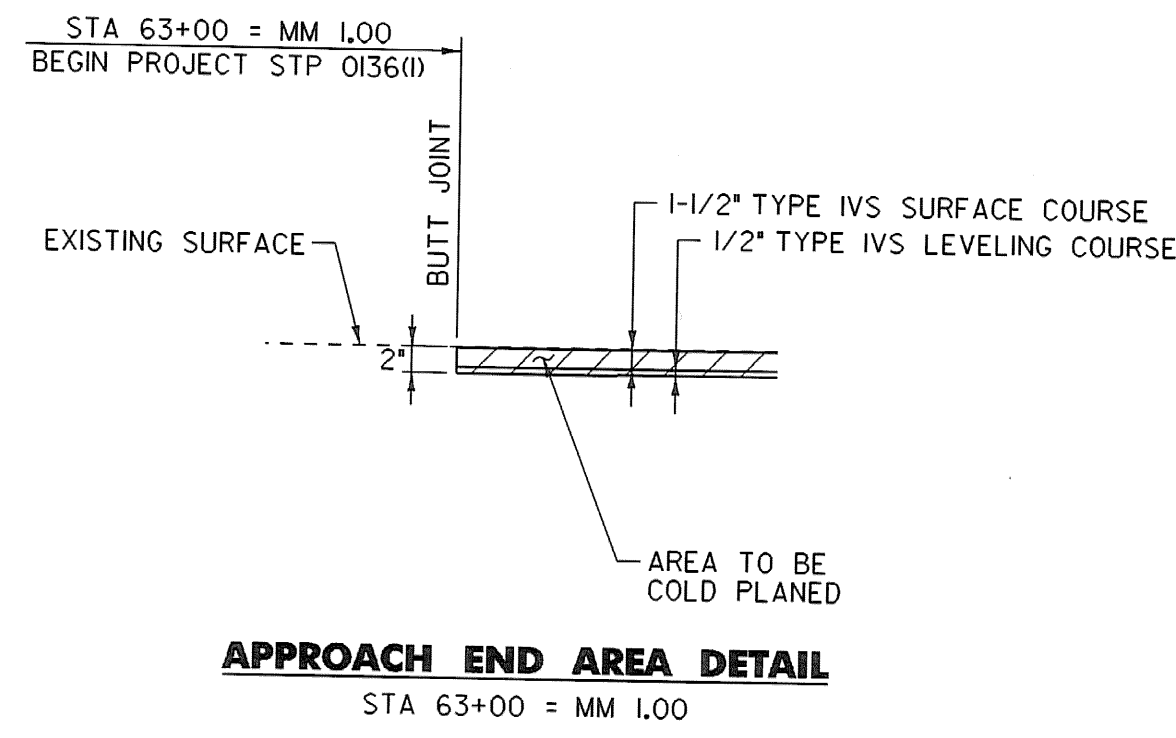
**GENERAL NOTES**

1. THE LEVELING COURSE SHALL BE TYPE IVS, THE SURFACE COURSE SHALL BE TYPE IVS, AND THE BASE COURSE SHALL BE TYPE IIS, ITEM 490.30 AS SHOWN ON THE PLANS, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
2. EMULSIFIED ASPHALT, TYPE RS-1, SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES (NOT INCLUDING RECLAIMING SURFACES) BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 " (TOTAL THICKNESS EXCLUDING LEVELING COURSE).
4. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.13 - AGGREGATE SHOULDERS, RAP. ADDITIONAL AGGREGATE MATERIAL REQUIRED AFTER THE COLD PLANE GRINDINGS ARE USED WILL BE PAID FOR UNDER ITEM 402.12 - AGGREGATE SHOULDERS.
5. AN ESTIMATED QUANTITY OF ITEM 619.17 - YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
6. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER WILL BE EXCAVATED TO A DEPTH OF THREE INCHES +/- OR AS DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS SUCH AS 608.15 - GRADER RENTAL, 608.25 - ALL PURPOSE EXCAVATOR RENTAL, 608.30 - POWER BROOM RENTAL, 608.37 - TRUCK RENTAL, 608.40 - LOADER RENTAL AND 203.15 - COMMON EXCAVATION. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH 301.40 - SUBBASE, RAP.
7. THREE FEET SEVEN INCHES OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FT POSTS. ALL GUARDRAIL USED ON THIS PROJECT SHALL BE STEEL BEAM WITH STEEL POSTS AND WOOD BLOCKOUTS (OR ACCEPTED ALTERNATIVE).
8. COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGINNING/END AND AT ALL SIDE ROAD APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL BUTT JOINTS SHALL BE SAW CUT, INCIDENTAL TO ITEM 210.10 - COLD PLANING, BITUMINOUS PAVEMENT. THE CONTRACTOR SHALL PERFORM COLD PLANING WITH CAUTION AT BRIDGE LOCATIONS. ANY DAMAGE WHICH OCCURS TO BRIDGE DECK MEMBRANES AS A RESULT OF COLD PLANE OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MEMBRANE WILL BE REPAIRED OR REPLACED AT NO COST TO THE STATE.
9. ALL DRIVES, TOWN HIGHWAYS AND MAILBOX TURNOUTS SHALL RECEIVE A PAVED APRON UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. PAVER SHALL FEATHER APRON OVER EXISTING SURFACE. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER THE APPLICABLE RENTAL ITEMS. IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 301.40 - SUBBASE, RAP. A NEW SUPERPAVE BITUMINOUS CONCRETE SURFACE SHALL BE CONSTRUCTED AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 490.30 - SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. ALL PAVEMENT WORK WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS DRIVEWAYS, UTILITIES AND AROUND DROP INLETS, ETC.) SHALL BE PAID FOR AT THE CONTRACT PRICE FOR SPECIAL PROVISION 900.675 - (HAND-PLACED BITUMINOUS CONCRETE MATERIAL DRIVES). ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
10. ESTIMATED QUANTITIES OF ITEM 608.25 - ALL PURPOSE EXCAVATOR RENTAL, TYPE I AND 608.37 - TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES WITH EXCAVATED DITCHING MATERIAL. THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF AGGREGATE SHOULDERS, RAP, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 3 TONS OF AGGREGATE SHOULDERS, RAP FOR EACH GUARDRAIL TERMINAL. AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED TO PROVIDE FOR ADDITIONAL MATERIAL, IF NEEDED, FOR FLARE CONSTRUCTION.
11. GRASS GROWING ADJACENT TO PAVEMENT, OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE REPLACEMENT OF NEW BITUMINOUS CONCRETE, SHALL BE REMOVED BY THE CONTRACTOR OR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 490.30 - SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
12. COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.26 - SUBBASE OF CRUSHED GRAVEL, FINE GRADED, ITEM 402.12 - AGGREGATE SHOULDERS, ITEM 402.13 - AGGREGATE SHOULDERS, RAP AND ITEM 651.35 - TOPSOIL, SHALL BE INCLUDED IN THE CONTRACT PRICE OF EACH ITEM.
13. ALL NEW CURB AND SIDEWALK SHALL BE 616.28 CAST-IN-PLACE CONCRETE CURB, TYPE B, AND 618.15 - BITUMINOUS CONCRETE SIDEWALK. ALL NEW SIDEWALK SHALL HAVE A MINIMUM OF 6" OF SUBBASE UNDERNEATH IT AND WILL BE PAID FOR UNDER ITEM 301.26 - SUBBASE OF CRUSHED GRAVEL, FINE GRADED. ALL EXISTING SIDEWALK AND CURB TO BE REMOVED WILL BE PAID UNDER 203.15 - COMMON EXCAVATION.
14. ITEM 609.10, "DUST CONTROL WITH WATER" IS AN ESTIMATED QUANTITY TO BE USED AS DUST CONTROL ALONG THE RECLAIMED SECTION.
15. TYPE E GRATE AT STA. 65+04 RT. WILL BE PAID FOR UNDER ITEM 604.418 - REHAB, DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III.
16. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARDS C-3A AND C-3B.
17. TRENCH EXCAVATION OF EARTH, RELOCATE MAILBOX-SINGLE SUPPORT, RELOCATE MAILBOX-MULTIPLE SUPPORT, 6" UNDERDRAIN, 6" UNDERDRAIN CARRIER PIPE AND 18" CSP .064 (2 2/3 X 1/2) ARE ESTIMATED ITEMS IF NEEDED. ITEMS SHALL BE PAID UNDER ITEM NUMBERS 204.20-TRENCH EXCAVATION OF EARTH, 617.10-RELOCATE MAILBOX, SINGLE SUPPORT, 617.12-RELOCATE MAILBOX, MULTIPLE SUPPORT, 605.10-" 6" UNDERDRAIN", 605.20-"6" UNDERDRAIN CARRIER PIPE" AND 601.0015-" 18" CSP .064 (2 2/3 X 1/2)".
18. 301.40 - SUBBASE, RAP WILL BE USED TO CORRECT SUPERELEVATION AND GRADATION DEFICIENCIES WITHIN THE RECLAIMED SECTION TO THE SATISFACTION OF THE RESIDENT ENGINEER. AN ESTIMATED THICKNESS OF TWO INCHES HAS BEEN INCLUDED FOR THE ENTIRE RECLAIM SURFACE AREA.

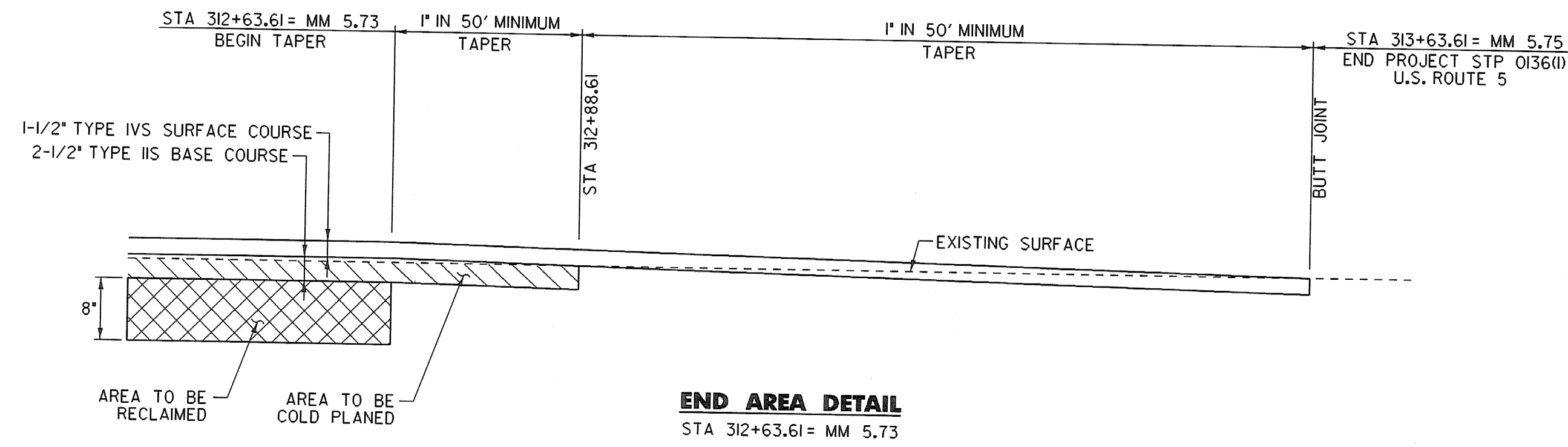
••REVISED 2/23/2009••

**TYPICAL SHEET #1**

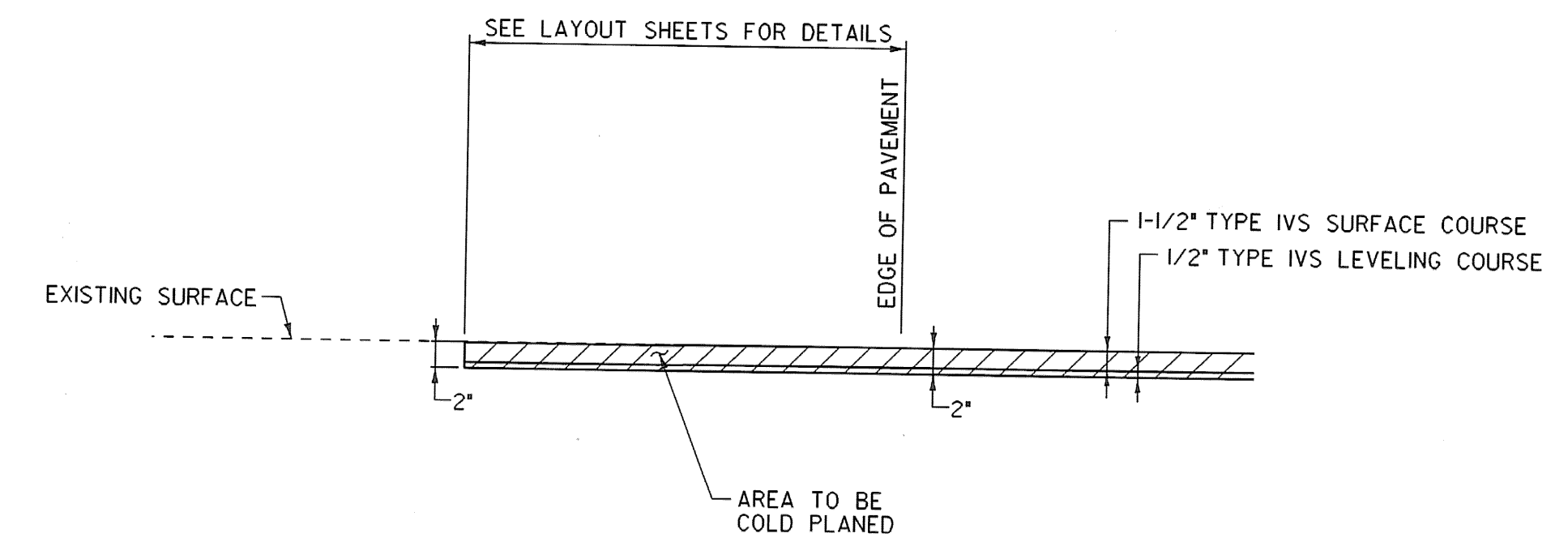
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PROJECT NUMBER:	STP 0136(1)
FILE NAME: ...02c084\...02c084_typ.dgn	PLOT DATE: 23-FEB-2009
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP/N. PAPPAS
DESIGNED BY: B. KIPP/N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_typ.01	SHEET 3 OF 68



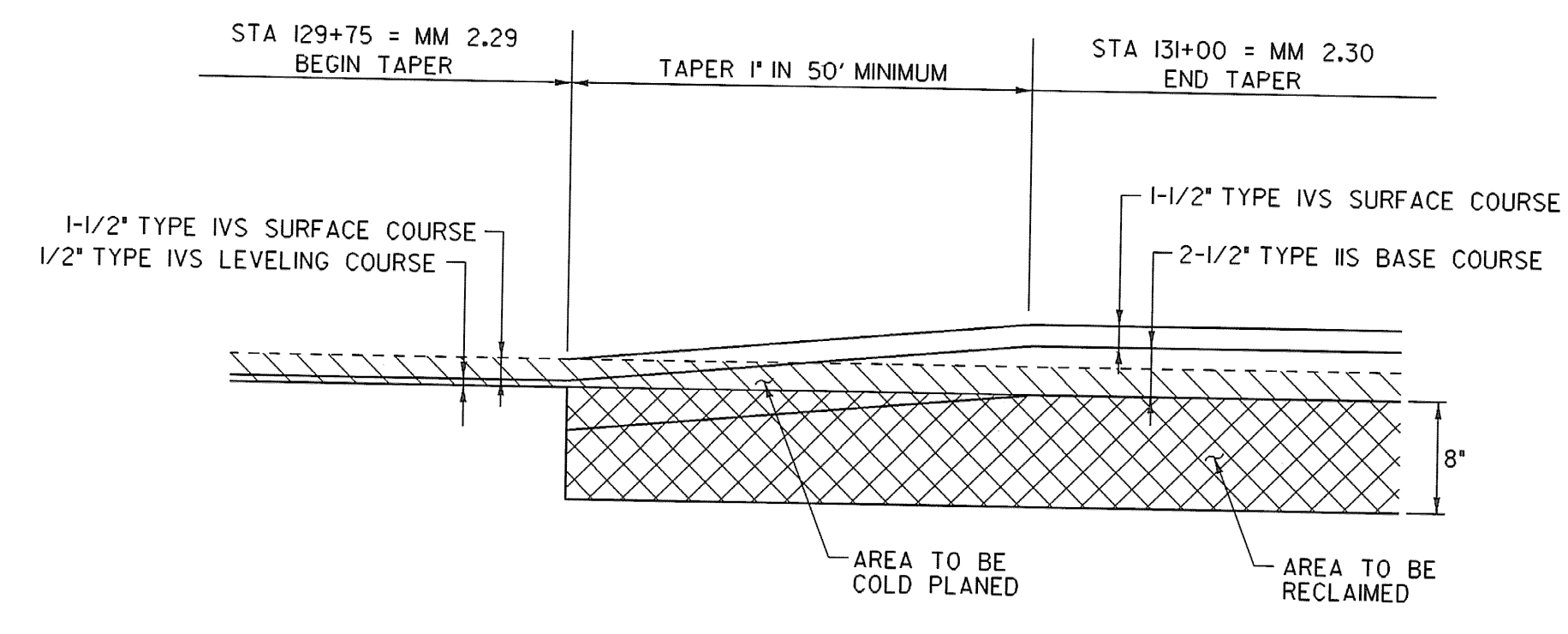
**APPROACH END AREA DETAIL**  
STA 63+00 = MM 1.00



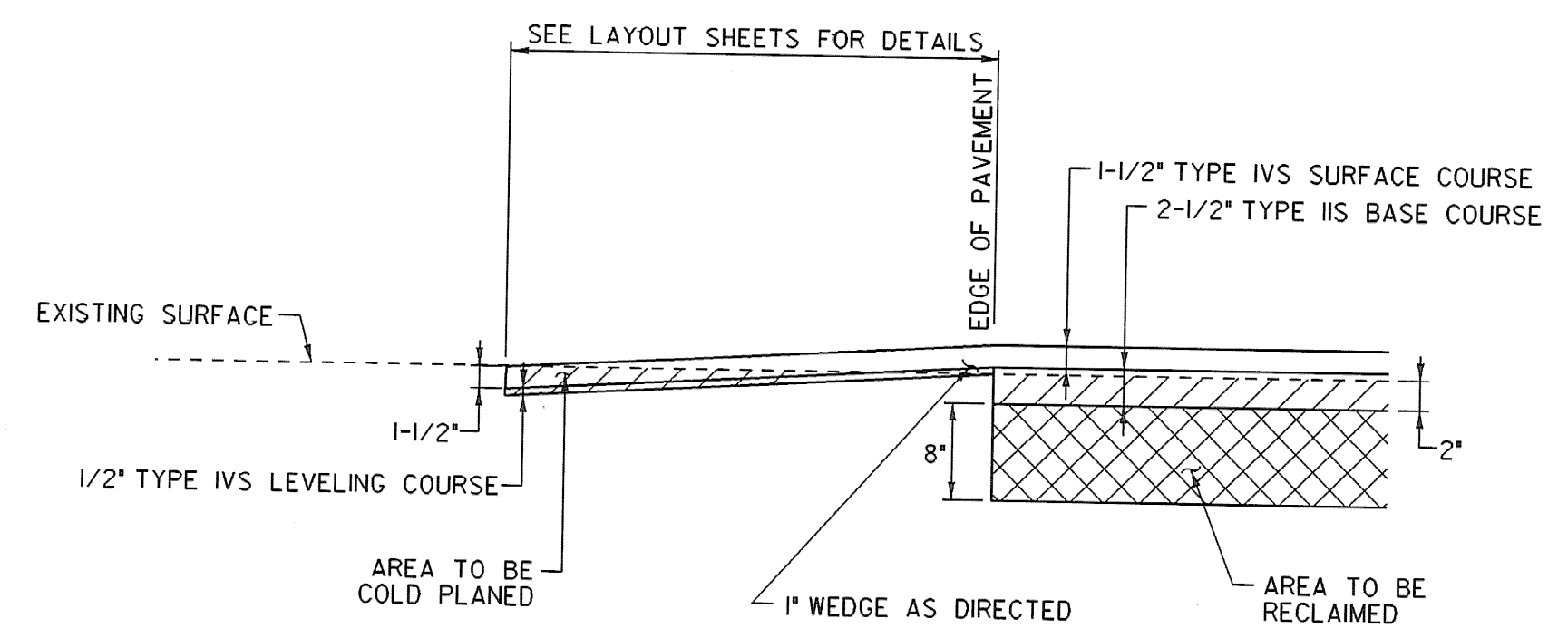
**END AREA DETAIL**  
STA 312+63.61 = MM 5.73



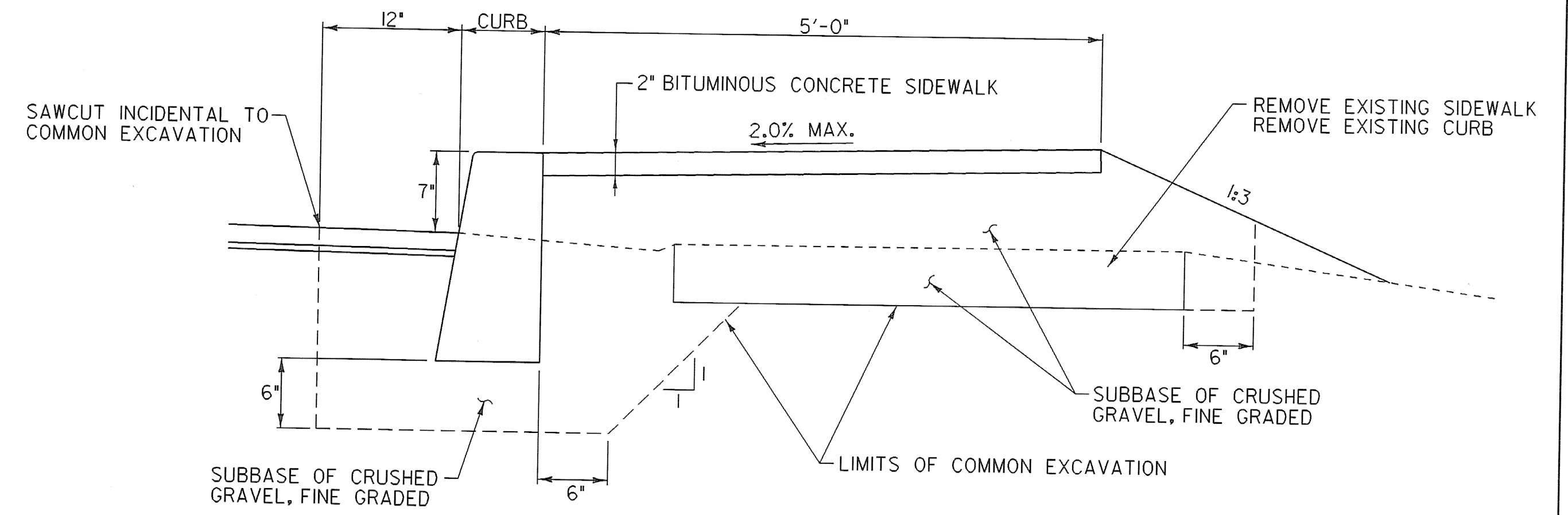
**TOWN HIGHWAY TRANSITION DETAIL AT COLD PLANE AREAS**



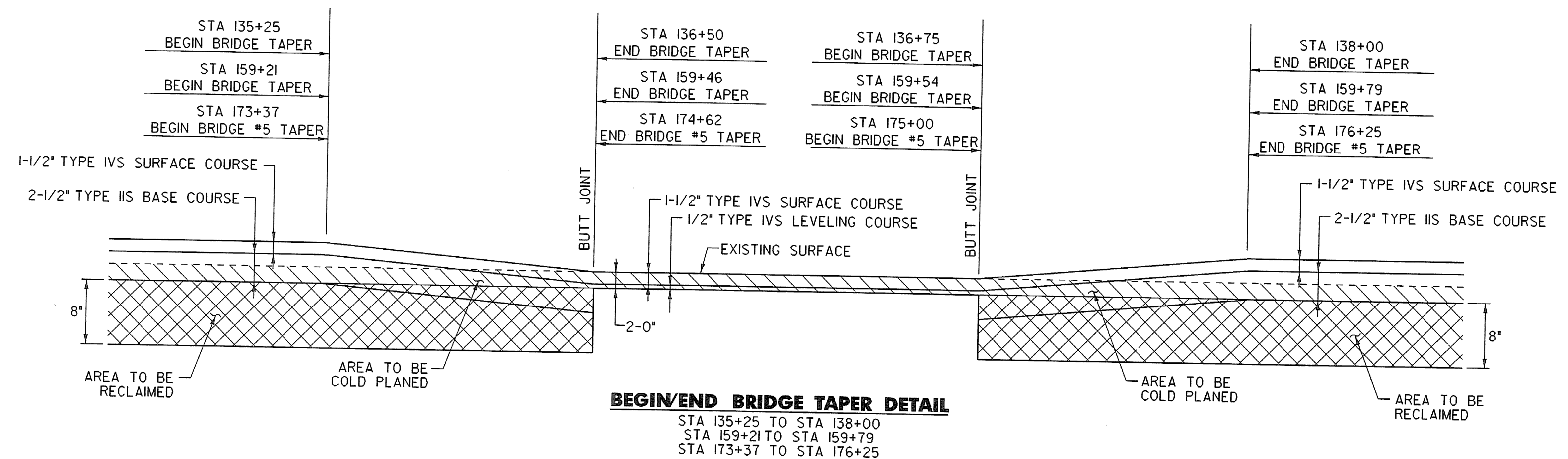
**TRANSITION DETAIL**  
STA 129+75.00 = MM 2.29



**TOWN HIGHWAY TRANSITION DETAIL AT COLD PLANE AND RECLAIM AREAS**



**CAST IN PLACE CONCRETE CURB, TYPE B BITUMINOUS CONCRETE SIDEWALK**  
NOTE: SEE ITEM DETAIL SHEET



**BEGIN/END BRIDGE TAPER DETAIL**  
STA 135+25 TO STA 138+00  
STA 159+21 TO STA 159+79  
STA 173+37 TO STA 176+25

**CONSERVATION SEED MIX RURAL AREA - SEED MIXTURE**

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOL	98	85
5.0	3.0	ANNUAL RYE GRASS	95	85
100.0	60.0			

THE 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 FORMULA 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.

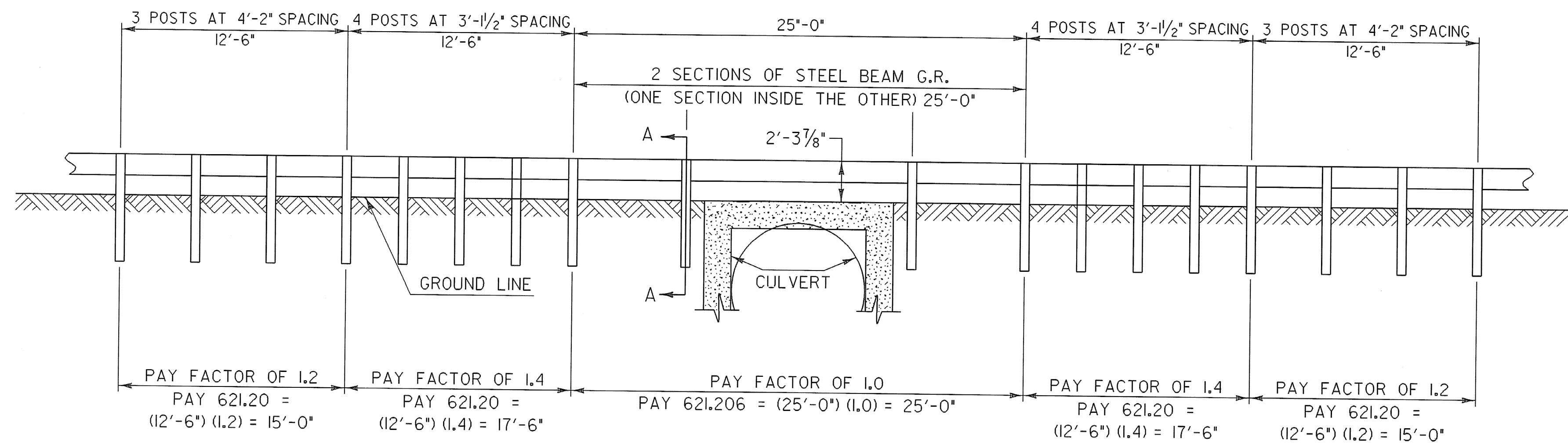
HAY MULCH- TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

TOPSOIL- TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

**TYPICAL SHEET #2**

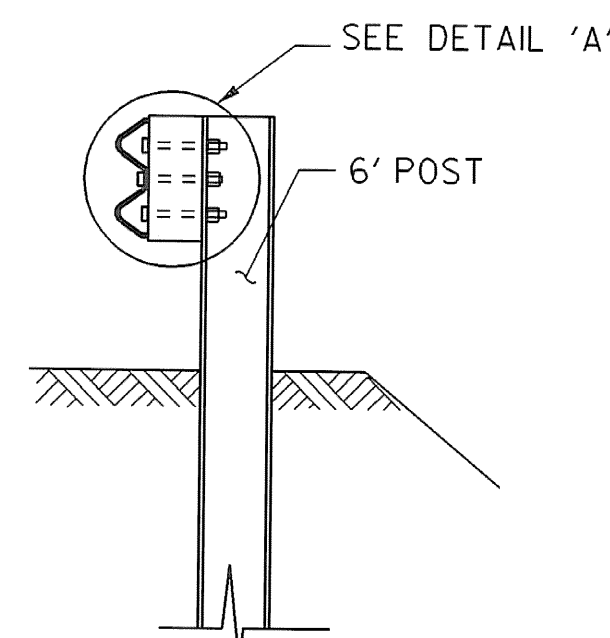
PROJECT NAME:	SPRINGFIELD
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FILE NAME: ...02C084\...02C084.typ.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP/N. PAPPAS
DESIGNED BY: B. KIPP/N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084.typ.02	SHEET 4 OF 68

NOT TO SCALE



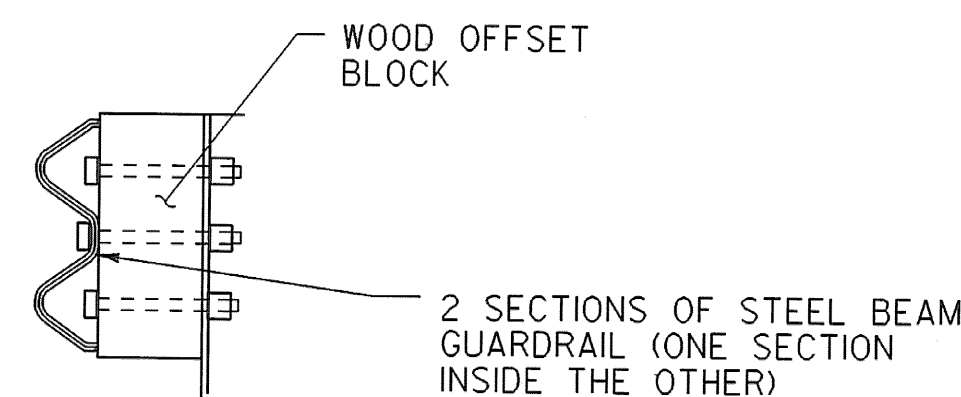
**STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL**

**BEGINEND SMALL CULVERTS DETAIL**  
 STA 80+94 TO 81+56 RT  
 STA 84+14 TO 84+89 LT  
 STA 136+24 TO STA 136+99 LT

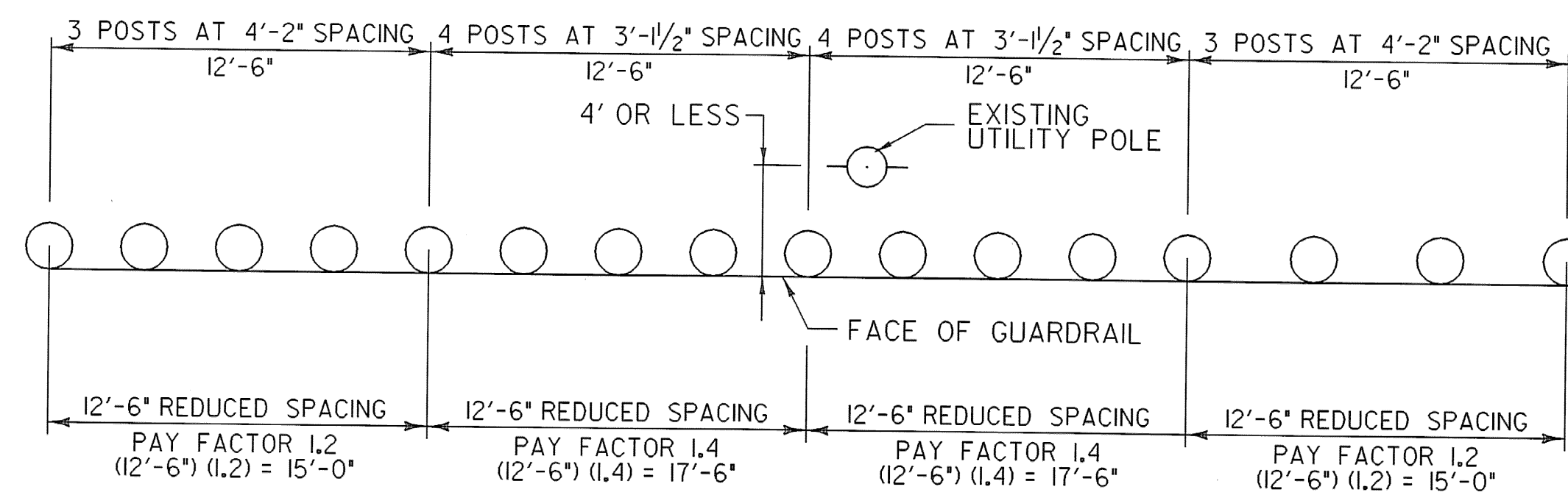


**SECTION A-A**

- NOTES:  
 1. SEE STANDARD G-1 FOR STEEL BEAM GUARDRAIL DETAILS.  
 2. THIS DETAIL TO BE USED AS INDICATED ON THE LAYOUT SHEETS OR AS DIRECTED BY THE RESIDENT ENGINEER.

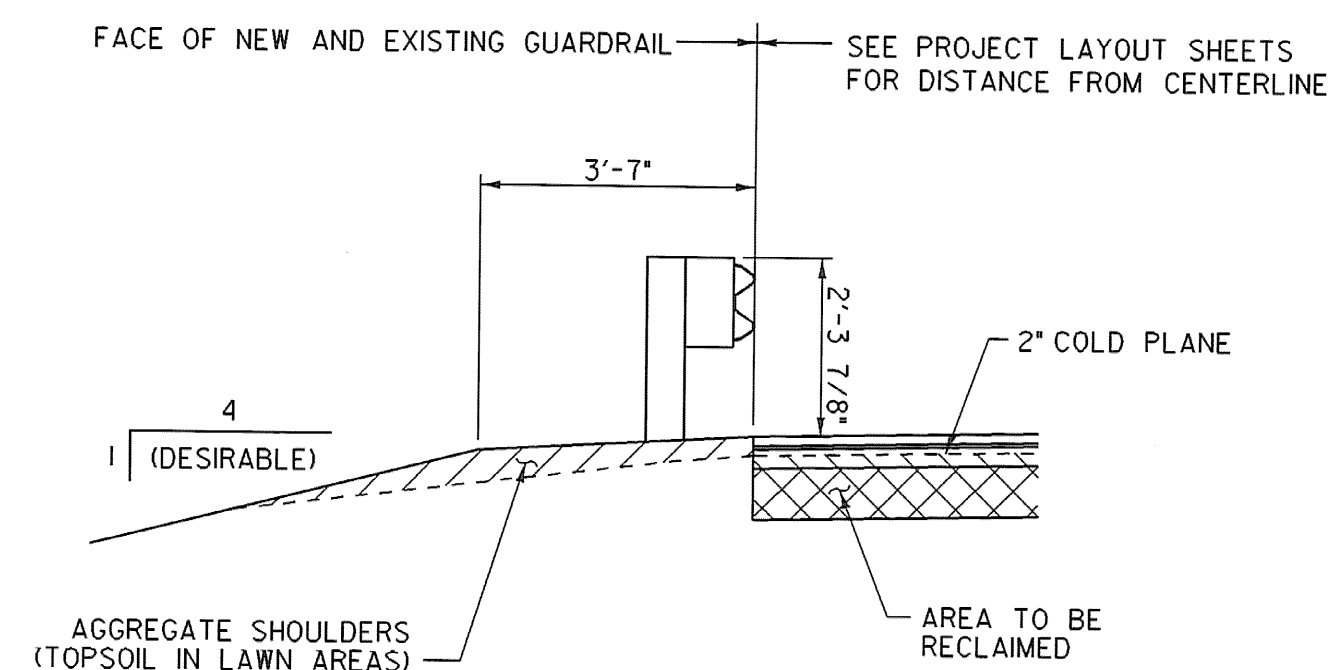


**DETAIL A**

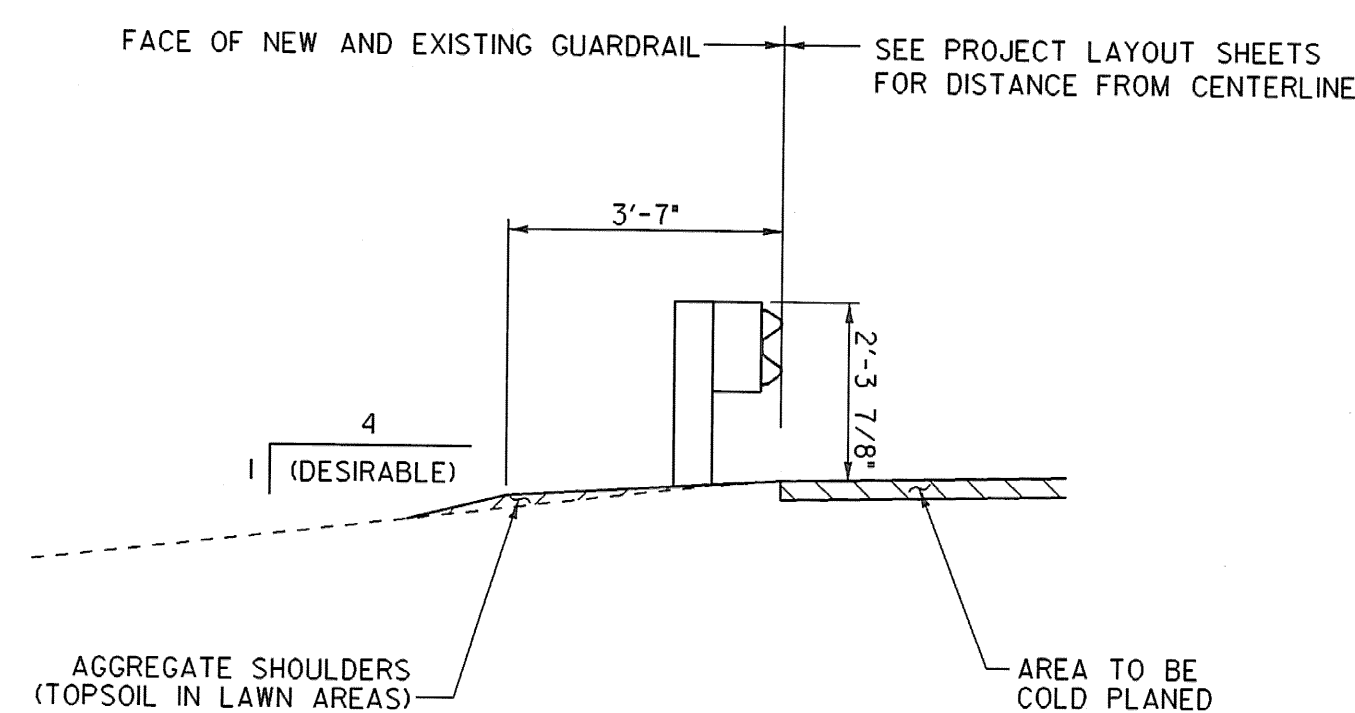


**STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL**

**BEGINEND UTILITY POLE SPACING DETAIL**  
 STA 75+86 TO STA 76+36 RT  
 STA 135+61 TO STA 136+11 LT



**TYPICAL SECTION AT GUARDRAIL COLD PLANE AND RECLAIM AREAS**



**TYPICAL SECTION AT GUARDRAIL COLD PLANE AREAS**

NOT TO SCALE

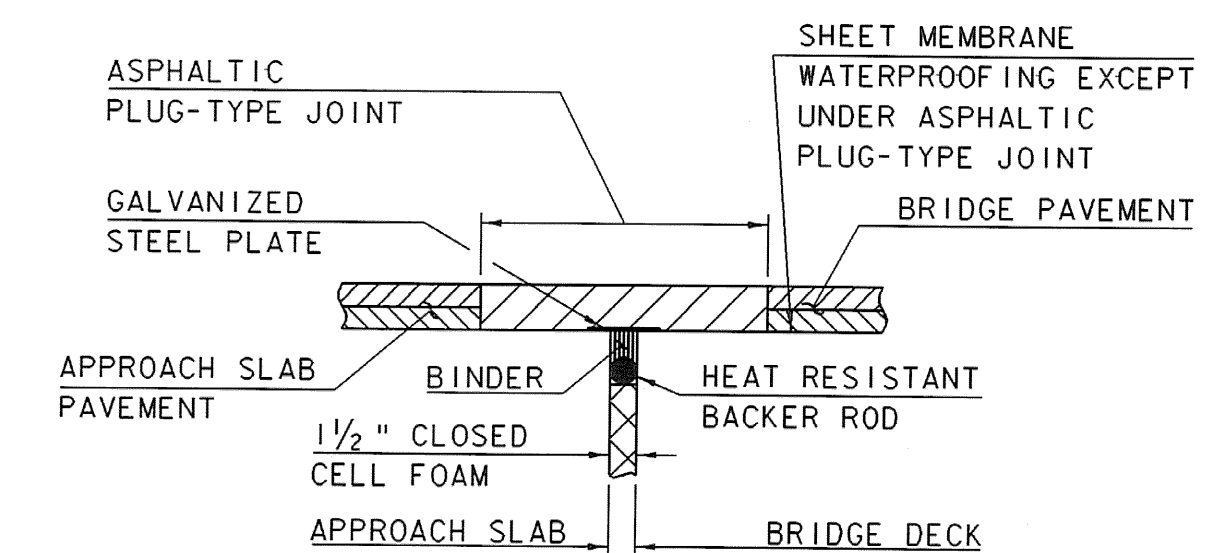
**ASPHALTIC PLUG JOINT NOTES**

**1. INSTALLATION**

- LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.
- REMOVE THE BITUMINOUS CONCRETE PAVEMENT FULL DEPTH AS SHOWN ON THE PLANS. THE PAVEMENT SHALL BE DRY AND SAW CUT TO THE LIMITS REQUIRED TO PLACE THE JOINT. A PNUMATIC HAMMER AND CHISEL MAY BE USED ADJACENT TO THE CURB ONLY WHEN SAW CUTTING IS NOT POSSIBLE.
- BLAST CLEAN THE JOINT AREA OF DEBRIS AND ASPHALT. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.
- REPAIR SPALLED AND DEFECTIVE CONCRETE WITH AN APPROVED MATERIAL AS AGREED UPON BY THE ENGINEER.
- PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.
- HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE MANUFACTURER.
- PLACE 1/4" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRESTAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER. THE STEEL PLATES MAY BE OMITTED WHERE THE ENGINEER DETERMINES THAT THE APPROACH SLAB OR BRIDGE DECK WILL PROVIDE INADEQUATE SUPPORT AND WHERE VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.
- HEAT AND MIX THE BINDER MATERIAL AND AGGREGATE AS RECOMMENDED BY THE MANUFACTURER.
- INSTALLATION OF MATERIAL, COMPACTION, AND TOP COATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
- IMMEDIATELY AFTER TOP COATING, CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.
- PROTECTED JOINT FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 51 DEG C (125 DEG F) +/-.

**2. WEATHER LIMITATIONS. (APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER):**

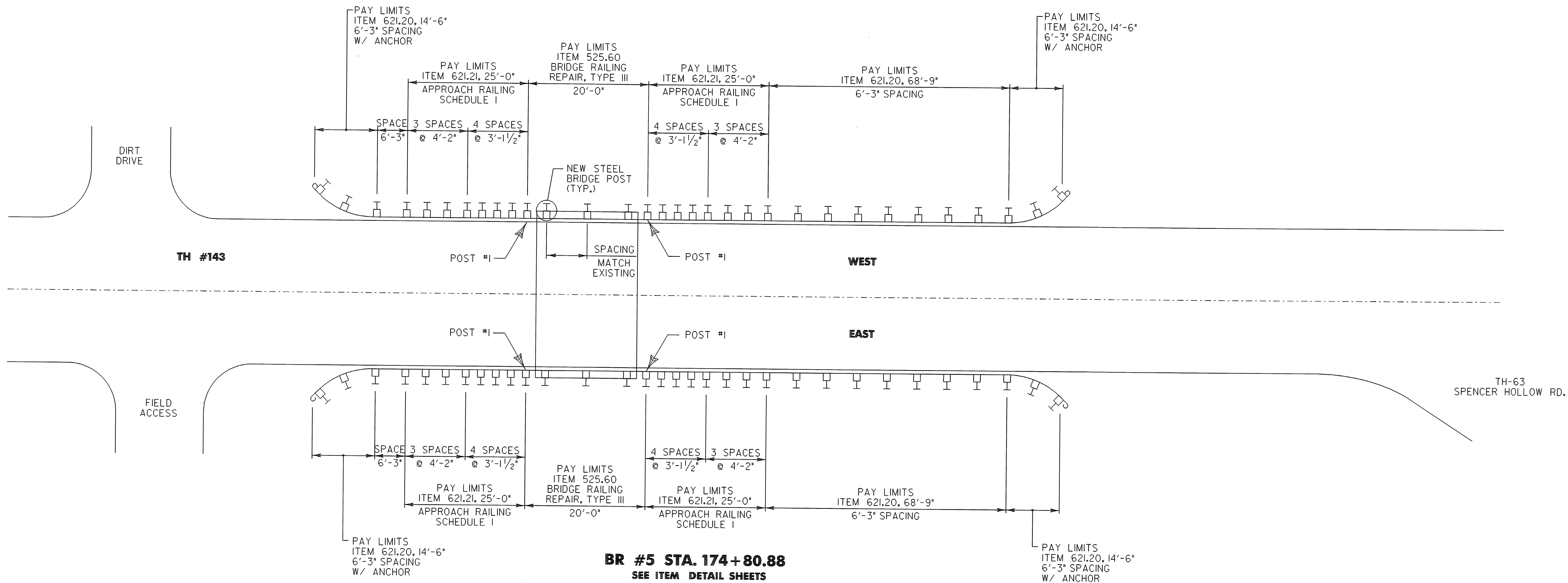
- THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.
- THE ROAD SURFACE IS DRY.
- WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.



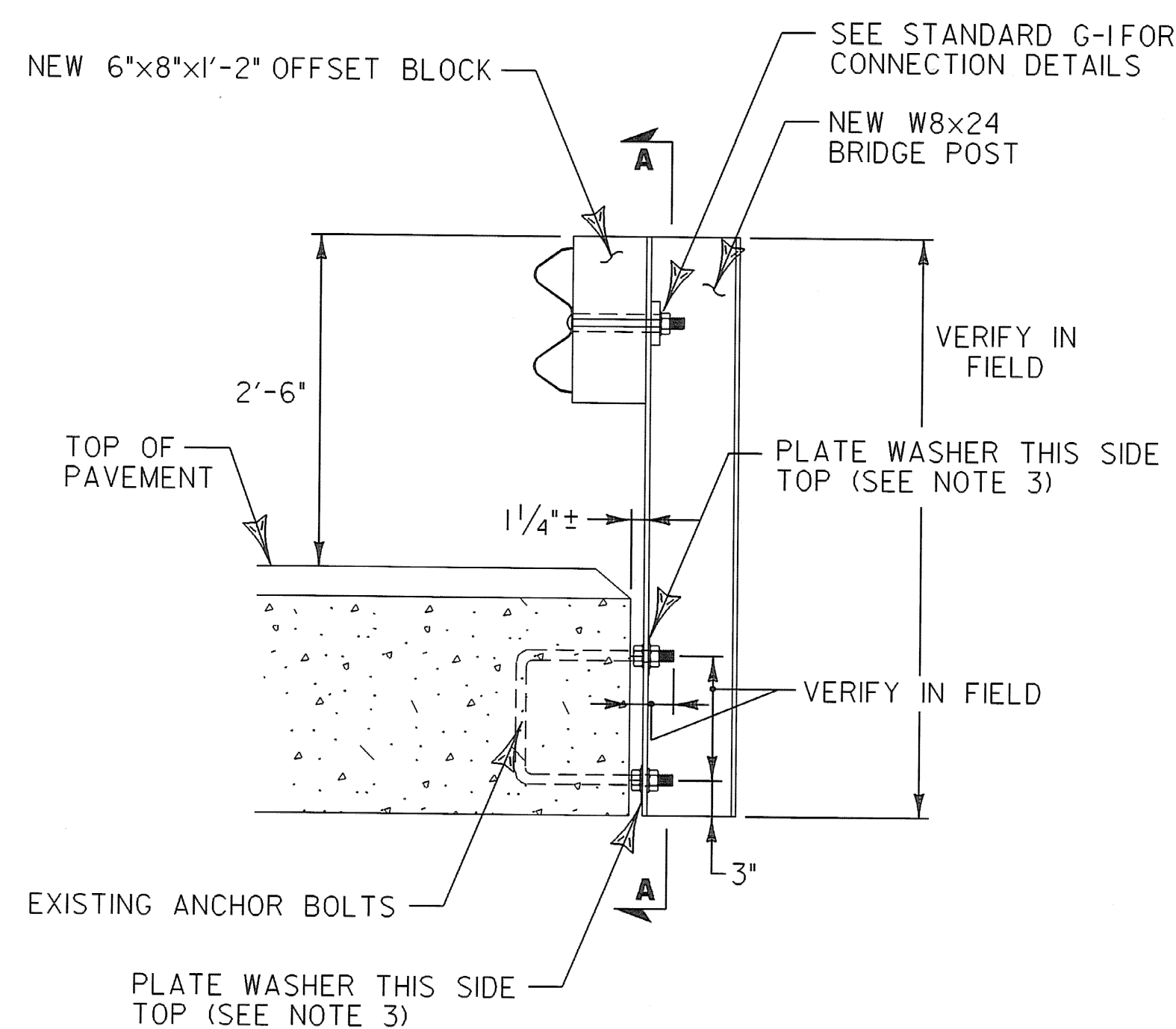
**ASPHALTIC PLUG-TYPE JOINT DETAIL (NOT TO SCALE)**

**TYPICAL SHEET #3**

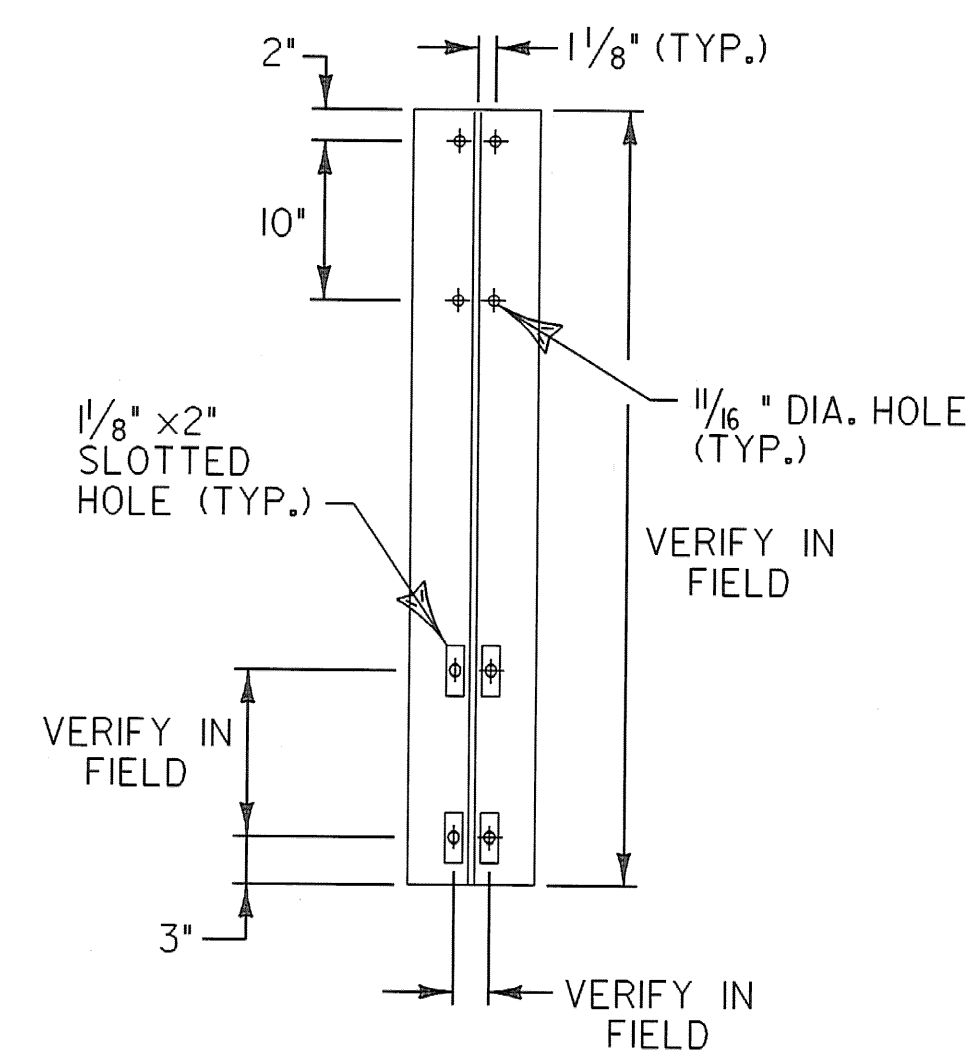
PROJECT NAME:	SPRINGFIELD	PLOT DATE:	06-JAN-2009
PROJECT NUMBER:	STP 0136(1)	DRAWN BY:	B. KIPPAN, PAPPAS
FILE NAME:	...02C084\...02C084_typ.dgn	DESIGNED BY:	B. KIPPAN, PAPPAS
PROJECT LEADER:	K. UPMAL	CHECKED BY:	N. PAPPAS
IPARM FILE NAME:	02c084_typ_03	SHEET	5 OF 68



**BR #5 STA. 174+80.88**  
SEE ITEM DETAIL SHEETS



**BR #5 BRIDGE POST DETAIL**



**SECTION A-A**

NOT TO SCALE

**NOTES:**

1. LOCATION OF EXISTING ANCHOR BOLTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING BRIDGE POSTS.
2. POSTS SHALL BE SHOP CUT AND DRILLED PRIOR TO GALVANIZING.
3. SEE STANDARD SHEET SB-R6-82 FOR ADDITIONAL DETAILS.

**TYPICAL SHEET #4**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(1)
FILE NAME: ...02C084...02C084_typ.dgn	PLOT DATE: 07-JAN-2009
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPPAN, PAPPAS
DESIGNED BY: B. KIPPAN, PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_typ_04	SHEET 6 OF 68

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# QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
							TRAINING	ROADWAY	EROSION CONTROL	FULL E&C ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
								1780			1780		CY	COMMON EXCAVATION	203.15	18			COLD PLANING AND BITUMINOUS PAVNG
								100			100		CY	SOLID ROCK EXCAVATION	203.16	EST	68125 SY		MANLINE (APPROACHES)
								885			885		CY	EARTH BORROW	203.30	10	2088 SY		SIDE ROADS
								200			200		CY	TRENCH EXCAVATION OF EARTH	204.20	EST	702 SY		ROUNDING
								70900			70900		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	702	70900 SY		TOTAL
								154			154		CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26	2			SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
								6575			6575		TON	SUBBASE, RAP	301.40	EST	540 TON		MANLINE LEVELING COURSE (TYPE IV/S)
								49532			49532		SY	RECLAIMED STABILIZED BASE	310.20	490	5336 TON		MANLINE SURFACE COURSE (TYPE IV/S)
								1000			1000		TON	AGGREGATE SHOULDERS	402.12	EST	6170 TON		MANLINE BASE COURSE (TYPE IS)
								1100			1100		TON	AGGREGATE SHOULDERS, RAP	402.13	EST	200 TON		SIDE ROADS SURFACE/LEVELING (TYPE IV/S)
								673			673		CWT	EMULSIFIED ASPHALT	404.65	7	52 TON		SIDE ROADS BASE (TYPE IS)
								1			1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-	39 TON		DRIVES (TYPE IV/S)
														BEGIN OPTION AA			130 TON		ROUNDING
								12450			12450		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (0% RAP CONTENT)	490.30	130	12450 TON		TOTAL
								12450			12450		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (0% <RAP CONTENT<15.0%)	490.30				SUBBASE, RAP
								12450			12450		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (15.0%<=RAP CONTENT<25.0%)	490.30		5677 TON		RECLAIMED STABILIZED BASE
								12450			12450		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (25.0%<=RAP CONTENT<=50.0%)	490.30		752 TON		MANLINE SHOULDERS
														END OPTION AA			19 TON		SIDEROADS
								1			1		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-	127 TON		DRVES
								1			1		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-	6575 TON		TOTAL
								1			1		LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-			AGGREGATE SHOULDERS, RAP
								1			1		LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-	368 TON		GUARDRAIL END TERMINALS
								40			40		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	4	715 TON		MANLINE SHOULDERS
								40			40		LF	REMOVAL OF EXISTING RAILING	525.10	-	1100 TON		TOTAL
								40			40		LF	BRIDGE RAILING REPAIR, TYPE III	525.60	-			
								100			100		LF	18" CSP .064 (2-2/3 X 1/2)	601.0015	EST			
								1			1		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.418	-			** 301.40 SUBBASE, RAP REVISED 2/23/09**
								200			200		LF	6 INCH UNDERDRAIN PIPE	605.10	EST			
								100			100		LF	6 INCH UNDERDRAIN CARRIER PIPE	605.20	EST			
								60			60		HR	POWER GRADER RENTAL	608.15	2			
								390			390		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	4			
								72			72		HR	POWER BROOM RENTAL, TYPE I	608.30	1			
								780			780		HR	TRUCK RENTAL	608.37	EST			
								72			72		HR	LOADER RENTAL, TYPE I	608.40	1			
								9			9		MGAL	DUST CONTROL WITH WATER	609.10	0.1			
								710			710		CY	STONE FILL, TYPE I	613.10	15			
								582			582		LF	CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28	7			
								400			400		LF	TREATED TMBER CURB	616.35	20			
								20			20		EACH	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	EST			
								10			10		EACH	RELOCATE MAILBOX, MULTIPLE SUPPORT	617.12	EST			

PROJECT NAME: **SPRINGFIELD**  
PROJECT NUMBER: **STP 0136(1)**  
FILE NAME: 02c084w\_02c084\_frm.dgn PLOT DATE: 02/23/2009  
PROJECT MANAGER: UPRIAL DRAWN BY: N. PAPPAS  
DESIGNED BY: N. PAPPAS CHECKED BY: B. KIPP  
QUANTITY SHEET #1 SHEET 8 OF 88

# QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
							TRAINING	ROADWAY	EROSION CONTROL	FULL E&C ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
								35			35		TON	BITUMINOUS CONCRETE SIDEWALK	618.15	1			
								32			32		SF	DETECTABLE WARNING SURFACE	618.30	-			
								50			50		EACH	YIELDING MARKER POSTS	619.17	-			
								6200			6200		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	84.5			
								75			75		LF	STEEL BEAM GUARDRAIL, GALVANIZED/NESTED	621.206	-			
								100			100		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED	621.21	-			
								36			36		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-			
								2700			2700		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	116			
								25			25		EACH	REMOVAL AND DISPOSAL OF GUIDE POSTS	621.81	-			
								4			4		EACH	ADJUST ELEVATION OF VALVE BOX	629.20	-			
								500			500		HR	UNIFORMED TRAFFIC OFFICERS	630.10	25			
								5335			5335		HR	FLAGGERS	630.15	53			
										1	1		LS	FIELD OFFICE ENGINEERS	631.10	-			
										1	1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-			
										1	1		LU	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.25	-			
							520				520		HR	EMPLOYEE TRAINEESHIP	634.10	EST			
								1			1		LS	MOBILIZATION/DEMobilIZATION	635.11	-			
								1			1		LS	TRAFFIC CONTROL	641.10	-			
								2			2		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-			
								51000			51000		LF	4 INCH YELLOW LINE	646.21	500			
								310			310		LF	24 INCH STOP BAR	646.26	-			
								60			60		EACH	LETTER OR SYMBOL	646.30	-			
								100			100		LF	CROSSWALK MARKING	646.31	-			
								103000			103000		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	1462			
								620			620		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	-			
								120			120		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-			
								100			100		LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	-			
								1000			1000		EACH	LINE STRIPING TARGETS	646.76	-			
								100			100		SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85	1			
								4200			4200		SY	GEOTEXTILE UNDER STONE FILL	649.31	33			
									47		47		LB	SEED	651.15	EST			
								400			400		LB	FERTILIZER	651.18	EST			
								2			2		TON	AGRICULTURAL LIMESTONE	651.20	EST			
								2			2		TON	HAYMULCH	651.25	EST			
								420			420		CY	TOPSOIL	651.35	EST			
									3200		3200		SY	TEMPORARY EROSION MATTING	653.20	39			
								400			400		SF	TRAFFIC SIGNS, TYPE A	675.20	-			
								1080			1080		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	-			
								65			65		EACH	REMOVING SIGNS	675.50	-			
								9			9		EACH	ERECTING SALVAGED SIGNS	675.60	-			

PROJECT NAME: **SPRINGFIELD**  
 PROJECT NUMBER: **STP 0136(1)**  
 FILE NAME: 02c084L\_02c084\_frm.dgn PLOT DATE: 01/23/2009  
 PROJECT MANAGER: UPMIAL DRAWN BY: N. PAPPAS  
 DESIGNED BY: N. PAPPAS CHECKED BY: B. KIPP  
 QUANTITY SHEET #2 SHEET 0 OF 68

# QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES						TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
						GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
TRAINING	ROADWAY	EROSION CONTROL	FULL E&C ITEMS											
	36					36		EACH	DELNEATOR WITH STEEL POST	676.10	-			
	50					50		EACH	REMOVAL OF EXISTING DELNEATOR	676.12	-			
	1					1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-			
	926					926		SY	SPECIAL PROVISION (HAND-PLACED BITUMNOUS CONCRETE MATERIAL, DRIVES)	900.675	9			

PROJECT NAME: **SPRINGFIELD**  
 PROJECT NUMBER: **STP 0136(1)**  
 FILE NAME: 02c0841\_02c0841\_fm.dgn  
 PROJECT MANAGER: UPWAL  
 DESIGNED BY: N. PAPPAS  
 QUANTITY SHEET #3  
 PLOT DATE: 01/06/2009  
 DRAWN BY: N. PAPPAS  
 CHECKED BY: B. KIPP  
 SHEET 10 OF 63

LOCATION			GUARDRAIL							DRAINAGE			MISCELLANEOUS			REMARKS	
STATION	STATION	POS.	525.10 REMOVAL OF EXISTING RAILING LF	525.60 BRIDGE RAILING REPAIR, TYPE III LF	621.20 STEEL BEAM GUARDRAIL GALVANIZED LF	621.206 STEEL BEAM GUARDRAIL GALVANIZED/NESTED LF	621.21 HD STEEL BEAM GUARDRAIL GALVANIZED LF	621.60 ANCHOR FOR G.R. EA	621.80 REM & DISPOSAL G.R. LF	676.10 DELINEATOR W/STEEL POST EACH				616.28 CAST-IN-PLACE CONCRETE CURB TYPE B LF	616.35 TIMBER TREATED CURB LF		618.15 BIT CONC SIDEWALK TON
62+89	65+58	RT															
66+07	66+75	RT												269		16	
67+12	67+87	RT												68		4	
68+08	68+63	RT												75		4	
69+07	70+15	RT												55		3	
63+04	63+79	RT			75			2	72	2				108		7	
73+50	77+05	RT							355								
73+63	75+86	RT			225			2		2							
75+86	76+00	RT			15												PAY FACTOR OF 1.2 USED FOR GUARDRAIL POST SPACING IN FRONT OF UTILITY POLE
76+00	76+13	RT			17.5												PAY FACTOR OF 1.4 USED FOR GUARDRAIL POST SPACING IN FRONT OF UTILITY POLE
76+13	76+26	RT			17.5												PAY FACTOR OF 1.4 USED FOR GUARDRAIL POST SPACING IN FRONT OF UTILITY POLE
76+26	76+36	RT			15												PAY FACTOR OF 1.2 USED FOR GUARDRAIL POST SPACING IN FRONT OF UTILITY POLE
76+36	76+85	RT			50												
77+40	80+69	RT							329								
77+56	80+69	RT			312.5			2		2							
80+86	83+53	RT							267								
80+94	81+06	RT			17.5			1		1							PAY FACTOR OF 1.4 USED FOR GUARDRAIL POST SPACING NEAR CULVERT
81+06	81+31	RT				25											
81+31	81+44	RT			17.5												PAY FACTOR OF 1.4 USED FOR GUARDRAIL POST SPACING NEAR CULVERT
81+44	81+56	RT			15												PAY FACTOR OF 1.2 USED FOR GUARDRAIL POST SPACING NEAR CULVERT
81+57	83+58	RT			200			1		1							
83+52	84+14	LT			87.5			1		1							
84+30	85+17	LT							87								
84+14	84+25	LT			15												PAY FACTOR OF 1.2 USED FOR GUARDRAIL POST SPACING NEAR CULVERT
84+26	84+38	LT			17.5												PAY FACTOR OF 1.4 USED FOR GUARDRAIL POST SPACING NEAR CULVERT
84+38	84+63	LT				25											
84+63	84+76	LT			17.5												PAY FACTOR OF 1.4 USED FOR GUARDRAIL POST SPACING NEAR CULVERT
84+76	84+89	LT			15												PAY FACTOR OF 1.2 USED FOR GUARDRAIL POST SPACING NEAR CULVERT
84+89	86+12	LT			125			1		1							
135+50	135+60	LT			12.5			1		1							
135+61	135+74	LT			15												PAY FACTOR OF 1.2 USED FOR GUARDRAIL POST SPACING IN FRONT OF UTILITY POLE
135+74	135+87	LT			17.5												PAY FACTOR OF 1.4 USED FOR GUARDRAIL POST SPACING IN FRONT OF UTILITY POLE
135+87	136+00	LT			17.5												PAY FACTOR OF 1.4 USED FOR GUARDRAIL POST SPACING IN FRONT OF UTILITY POLE
136+00	136+12	LT			15												PAY FACTOR OF 1.2 USED FOR GUARDRAIL POST SPACING IN FRONT OF UTILITY POLE
136+12	136+24	LT			12.5												
136+24	136+36	LT			15												PAY FACTOR OF 1.2 USED FOR GUARDRAIL POST SPACING NEAR CULVERT
136+36	136+48	LT			17.5												PAY FACTOR OF 1.4 USED FOR GUARDRAIL POST SPACING NEAR CULVERT
136+48	136+73	LT				25											
136+73	136+86	LT			17.5												PAY FACTOR OF 1.4 USED FOR GUARDRAIL POST SPACING NEAR CULVERT
SHEET I TOTAL			0	0	1395	75	0	11	1110	11				575		34	
<b>ITEM DETAIL SHEET #1</b>																	
PROJECT NAME: SPRINGFIELD																	
PROJECT NUMBER: STP 0136(1)																	
FILE NAME: ...02c084\...02c084_frm.dgn PLOT DATE: 23-JAN-2009																	
PROJECT LEADER: K. UPMAL DRAWN BY: B. KIPP\N, PAPPAS																	
DESIGNED BY: B. KIPP\N, PAPPAS CHECKED BY: N. PAPPAS																	
IPARM FILE NAME: 02c084_item_det_01 SHEET 11 OF 68																	





**TEMPORARY 4" YELLOW LINE, PAINT**  
 STA 63+00 TO STA 68+65, SOLID LT & RT  
 STA 68+86 RT, SOLID LT & RT  
 STA 69+07 TO STA 69+50, SOLID LT & RT

**TEMPORARY 24" STOP BAR, PAINT**  
 STA 68+97 RT CUTLER DRIVE

**TEMPORARY CROSSWALK MARKING, PAINT**  
 STA 68+84 RT CUTLER DRIVE

**4" YELLOW LINE**  
 STA 63+00 TO STA 68+65, SOLID LT & RT  
 STA 68+86 RT, SOLID LT & RT  
 STA 69+07 TO STA 69+50, SOLID LT & RT

**24" STOP BAR**  
 STA 68+97 RT CUTLER DRIVE

**CROSSWALK MARKING**  
 STA 68+84 RT CUTLER DRIVE

**REMOVING SIGNS**  
 STA 62+99 RT  
 STA 63+06 RT  
 STA 69+10 RT  
 STA 69+12 RT

**ERECTING SALVAGED SIGNS**  
 STA 63+00 RT  
 STA 69+15 RT

**REMOVAL AND DISPOSAL OF GUARDRAIL**  
 STA 63+04 TO STA 63+76 RT

**STEEL BEAM GUARDRAIL, GALVANIZED**  
 STA 63+05 TO STA 63+79 RT

**ANCHOR FOR STEEL BEAM RAIL**  
 STA 63+05 RT  
 STA 63+79 RT

**REHAB, DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III**  
 STA 65+04 RT

**DELINEATOR WITH STEEL POSTS**

STA 63+05 RT  
 STA 63+79 RT

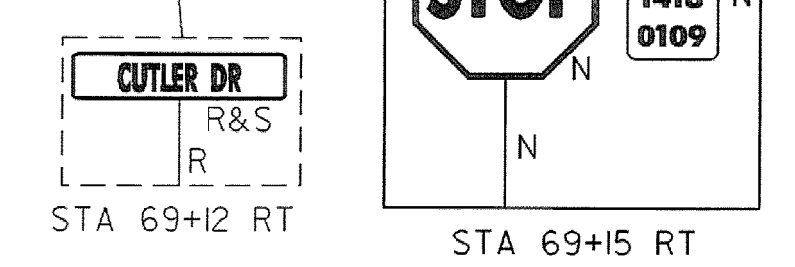
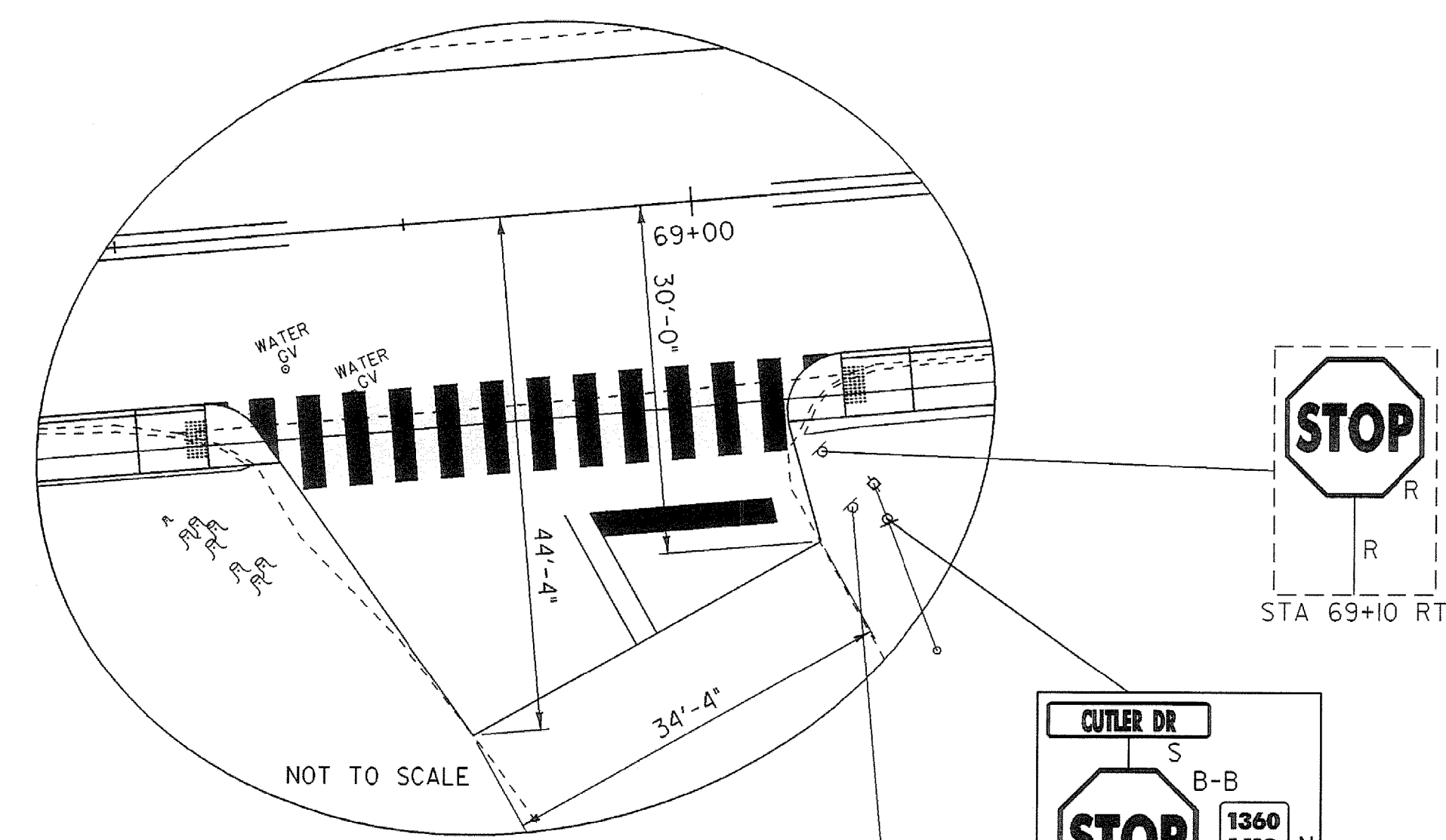
~~**CAST IN PLACE CONCRETE CURB, TYPE B**~~  
 STA 62+89 TO 65+58 RT  
 STA 66+07 TO 66+75 RT  
 STA 67+12 TO 67+87 RT  
 STA 68+08 TO 68+63 RT  
 STA 69+07 TO 70+15 RT

**BITUMINOUS CONCRETE SIDEWALK**  
 STA 63+00 TO 65+55 RT 62+96 TO 65+54  
 STA 66+10 TO 66+69 RT 66+07 TO 66+69  
 STA 67+18 TO 67+84 RT 67+18 TO 67+84  
 STA 68+11 TO 68+43 RT TO 68+54  
 STA 69+18 TO 70+21 RT 69+15 TO 70+19

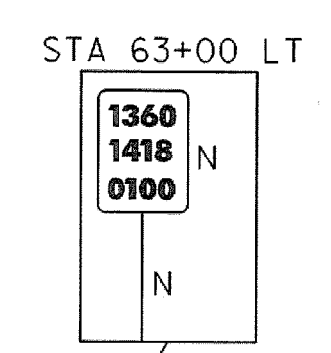
**DETECTABLE WARNING SURFACE**  
 STA 62+95 RT  
 STA 68+45 RT  
 STA 69+20 RT

**VERTICLE GRANITE CURB**  
 STA 62+96 TO 65+54 RT  
 STA 66+09 TO 66+67 RT  
 STA 67+20 TO 67+81 RT  
 STA 68+10 TO 68+52 RT  
 STA 69+15 TO 70+15 RT

**CUTLER DRIVE**



TOWN HIGHWAY 143  
 STA 63+00 = MM 1.00  
 BEGIN PROJECT STP 0136 (I)

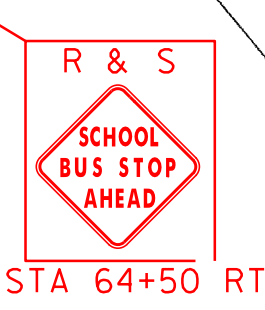
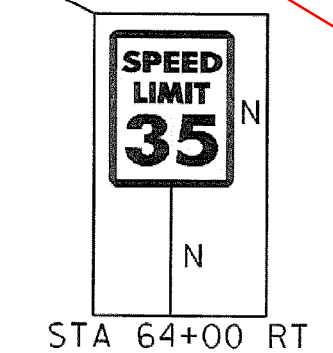
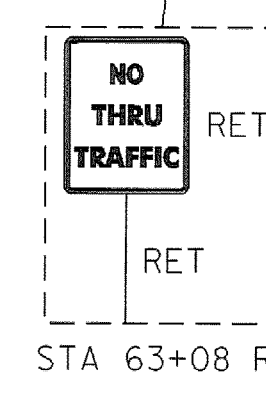
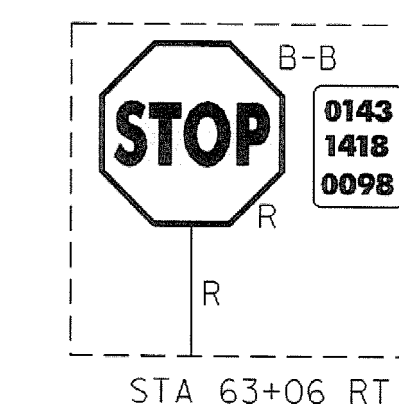
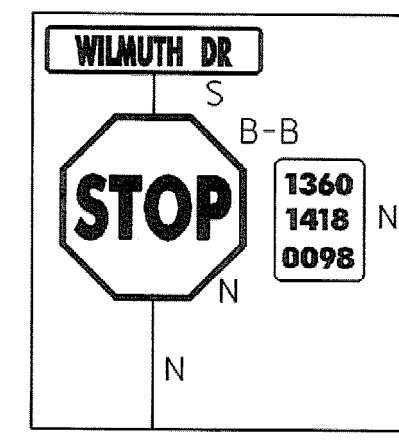
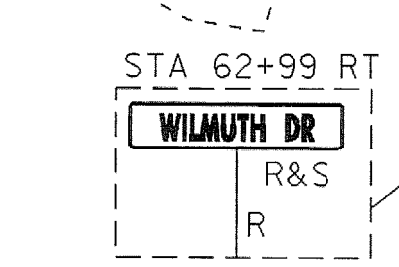
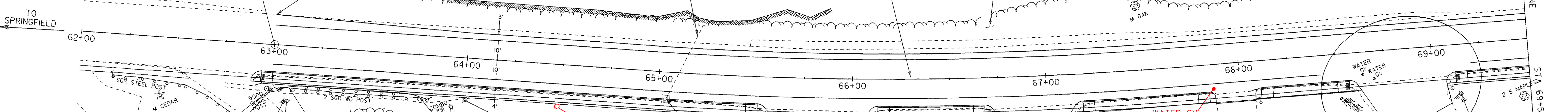


24" RCP W/ CRM HEADWALL AT INLET AND DI AT INLET TO REMAIN UNDISTURBED

BEGIN SHOULDER TRANSITION STA 63+00

DOUBLE 4" YELLOW CENTERLINE

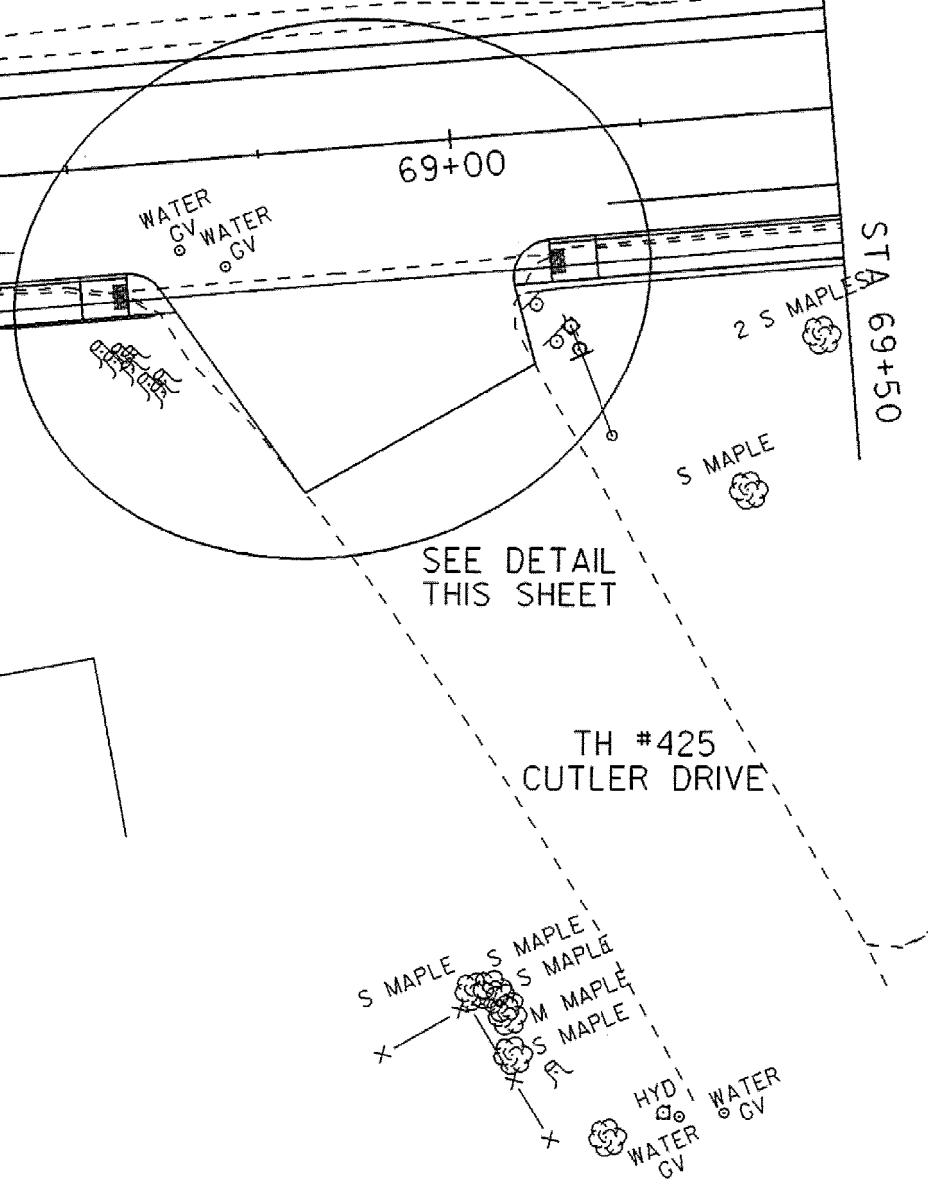
12" PIPE (TYPE UNKNOWN) TO REMAIN UNDISTURBED



TH #429 WILMUTH DRIVE  
 ONE 12'-6" BEAM RAIL SECTION SHOP FORMED TO A 16' RADIUS

ONE 12'-6" BEAM RAIL SECTION SHOP FORMED TO A 16' RADIUS

REHAB DI, CLASS III TO INCLUDE TYPE E GRATE (SEE NOTE 17 ON SHEET 2). GRATE AND DITOP SHALL BE ADJUSTED IN FIELD AND OR AS DIRECTED BY THE ENGINEER.

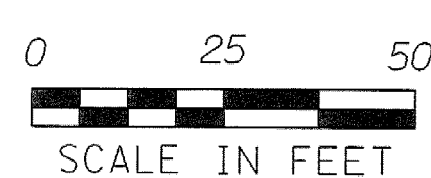


**NOTES:**

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.

**LEGEND**

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



**LAYOUT SHEET #1**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02C084\...02C084_nul.dgn	PLOT DATE: 06-JAN-2009
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N. PAPPAS
DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_01	SHEET 14 OF 68

**TEMPORARY 4" YELLOW LINE, PAINT**  
 STA 69+50 TO STA 70+25, SOLID LT & RT  
 STA 70+45 RT, SOLID LT & RT  
 STA 70+70 TO STA 73+60, SOLID LT & RT  
 STA 73+83 LT, SOLID LT & RT  
 STA 77+05 TO STA 77+00, SOLID LT & RT

**TEMPORARY 24" STOP BAR, PAINT**  
 STA 70+58 RT PARK RIDGE ROAD  
 STA 73+70 LT MAPLE DELL ROAD

**TEMPORARY LETTER OR SYMBOL, PAINT**  
 STA 70+59 RT \*STOP\*  
 STA 73+82 LT \*STOP\*

**REMOVING SIGNS**  
 STA 70+73 RT  
 STA 70+67 RT  
 STA 73+79 LT  
 STA 77+28 LT

**ERECTING SALVAGED SIGNS**  
 STA 70+75 RT  
 STA 73+59 LT

**4" YELLOW LINE**  
 STA 69+50 TO STA 70+25, SOLID LT & RT  
 STA 70+45 RT, SOLID LT & RT  
 STA 70+70 TO STA 73+60, SOLID LT & RT  
 STA 73+83 LT, SOLID LT & RT  
 STA 77+05 TO STA 77+00, SOLID LT & RT

**24" STOP BAR**  
 STA 70+58 RT PARK RIDGE ROAD  
 STA 73+70 LT MAPLE DELL ROAD

**LETTER OR SYMBOL**  
 STA 70+59 RT \*STOP\*  
 STA 73+82 LT \*STOP\*

**REMOVAL AND DISPOSAL OF GUARDRAIL**  
 STA 73+50 TO STA 77+00 RT  
 73+63 76+85

**STEEL BEAM GUARDRAIL, GALVANIZED**  
 STA 73+63 TO STA 76+85 RT  
 73+49 76+99

**ANCHOR FOR STEEL BEAM RAIL**  
 STA 73+63 RT  
 STA 76+85 RT

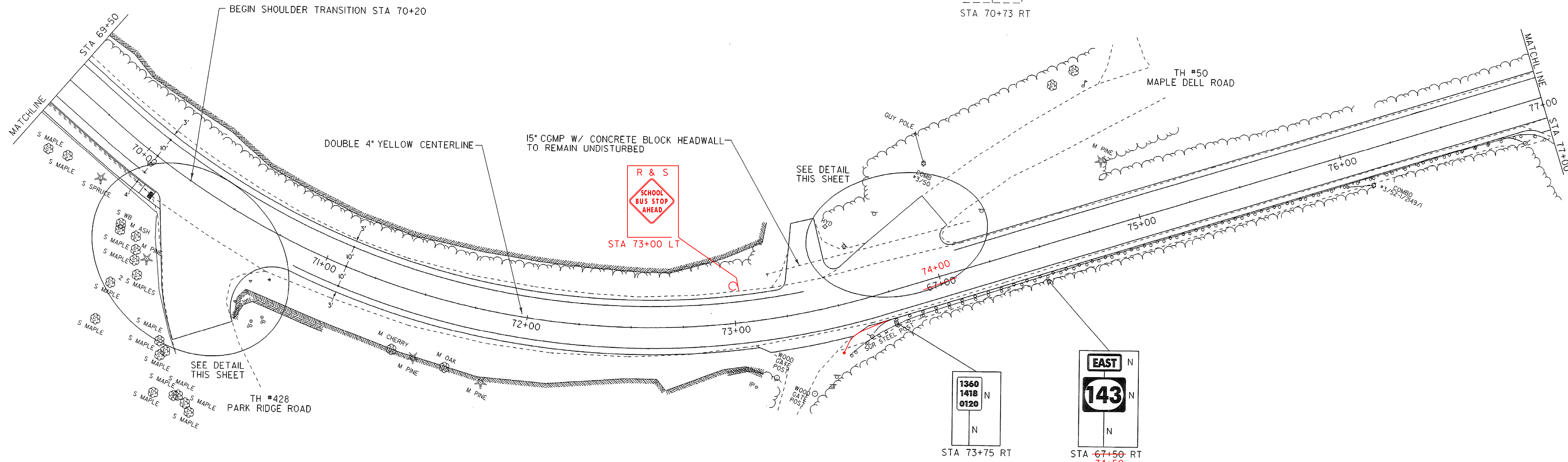
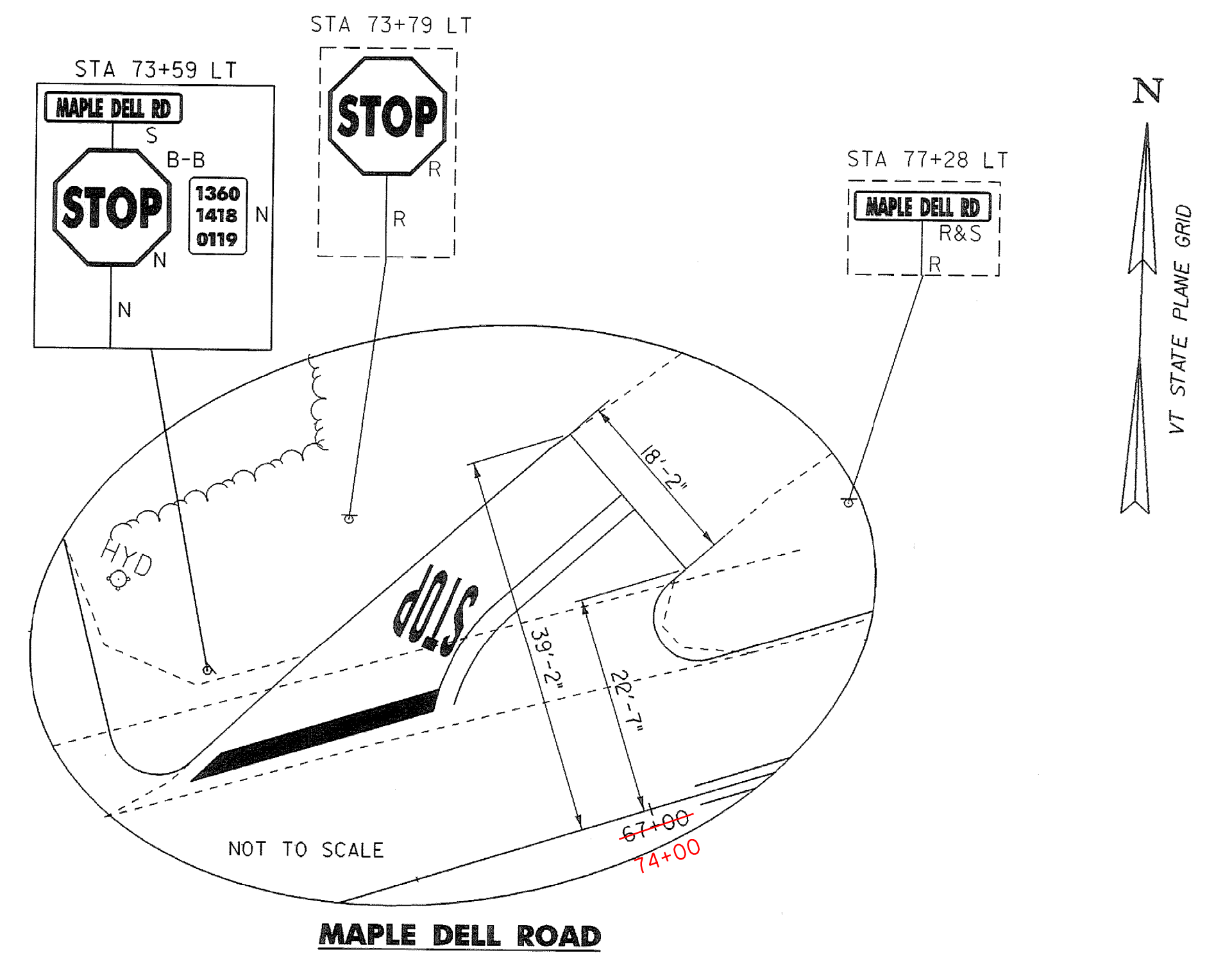
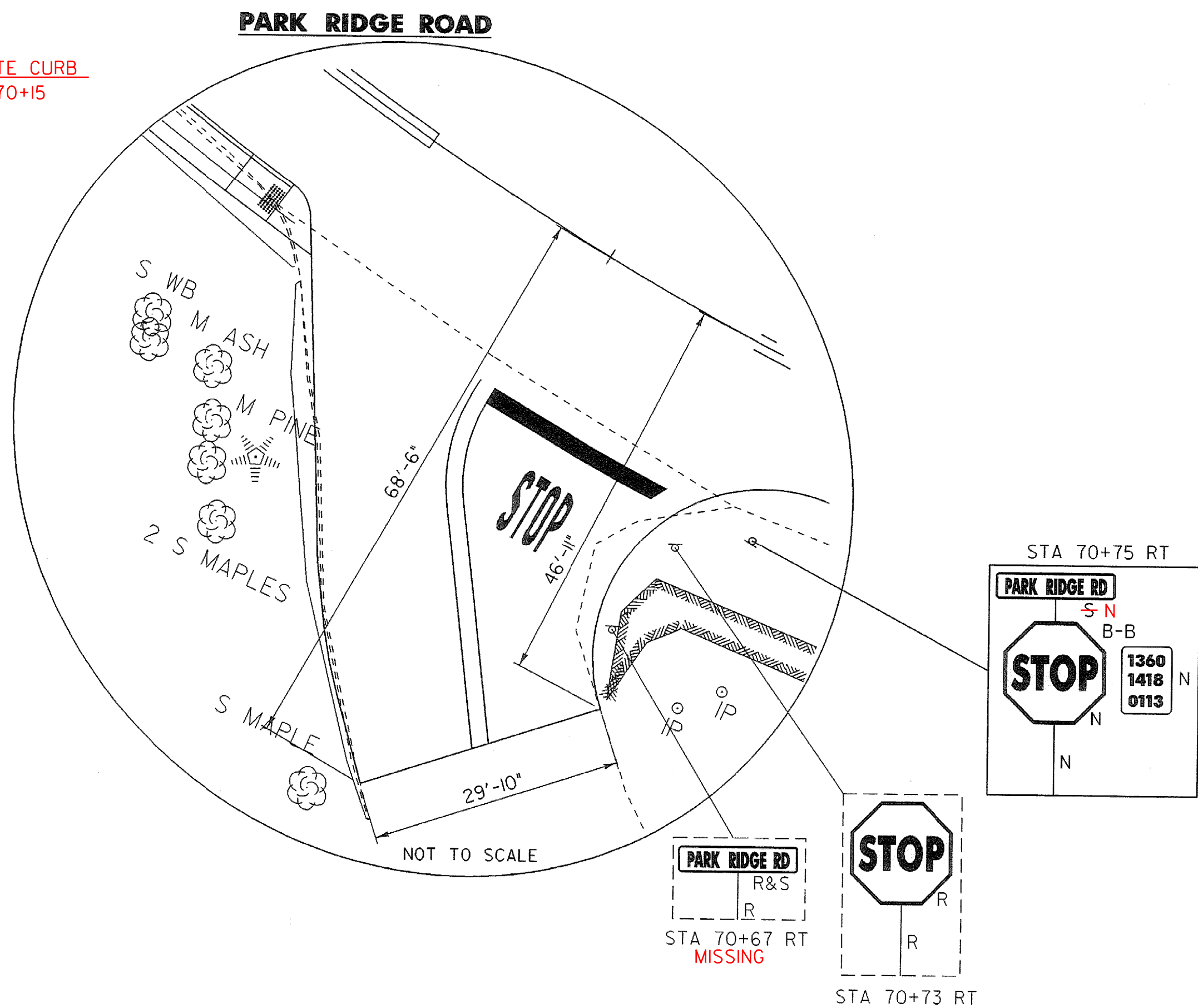
**DELINEATOR WITH STEEL POSTS**  
 STA 73+63 RT 73+49  
 STA 76+85 RT 76+99

~~**CAST-IN-PLACE CONCRETE CURB, TYPE B**~~  
 STA 69+12 TO 70+15 RT

**BITUMINOUS CONCRETE SIDEWALK**  
 STA 69+07 TO 70+21 RT 69+15 TO 70+19

**DETECTABLE WARNING SURFACE**  
 STA 70+18 RT  
 70+14

**VERTICLE GRANITE CURB**  
 STA 69+15 TO 70+15



**LAYOUT SHEET #2**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02C084...02C084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N.PAPPAS
DESIGNED BY: B. KIPP\N.PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_02	SHEET 15 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 77+00 TO STA 82+83, SOLID LT & RT  
 STA 83+25 TO STA 84+50, SOLID LT & RT  
 STA 83+05 LT, SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT  
 STA 82+91LT MAPLE DELL ROAD

TEMPORARY LETTER OR SYMBOL, PAINT  
 STA 82+91LT "STOP"

4" YELLOW LINE  
 STA 77+00 TO STA 82+83, SOLID LT & RT  
 STA 83+25 TO STA 84+50, SOLID LT & RT  
 STA 83+05 LT, SOLID LT & RT

24" STOP BAR  
 STA 82+91LT MAPLE DELL ROAD

LETTER OR SYMBOL  
 STA 82+91LT "STOP"

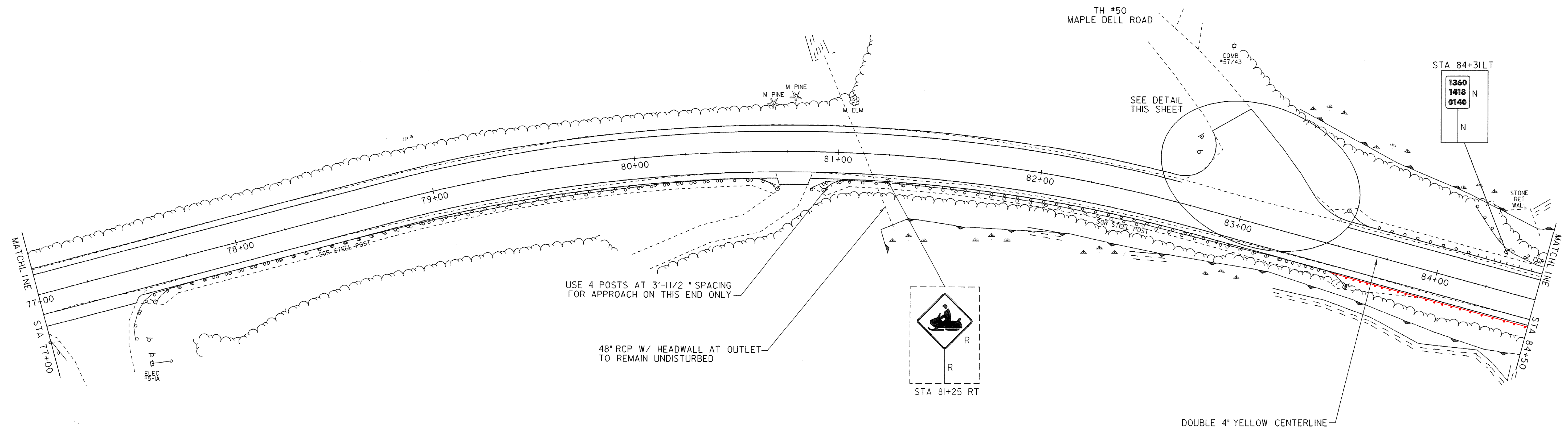
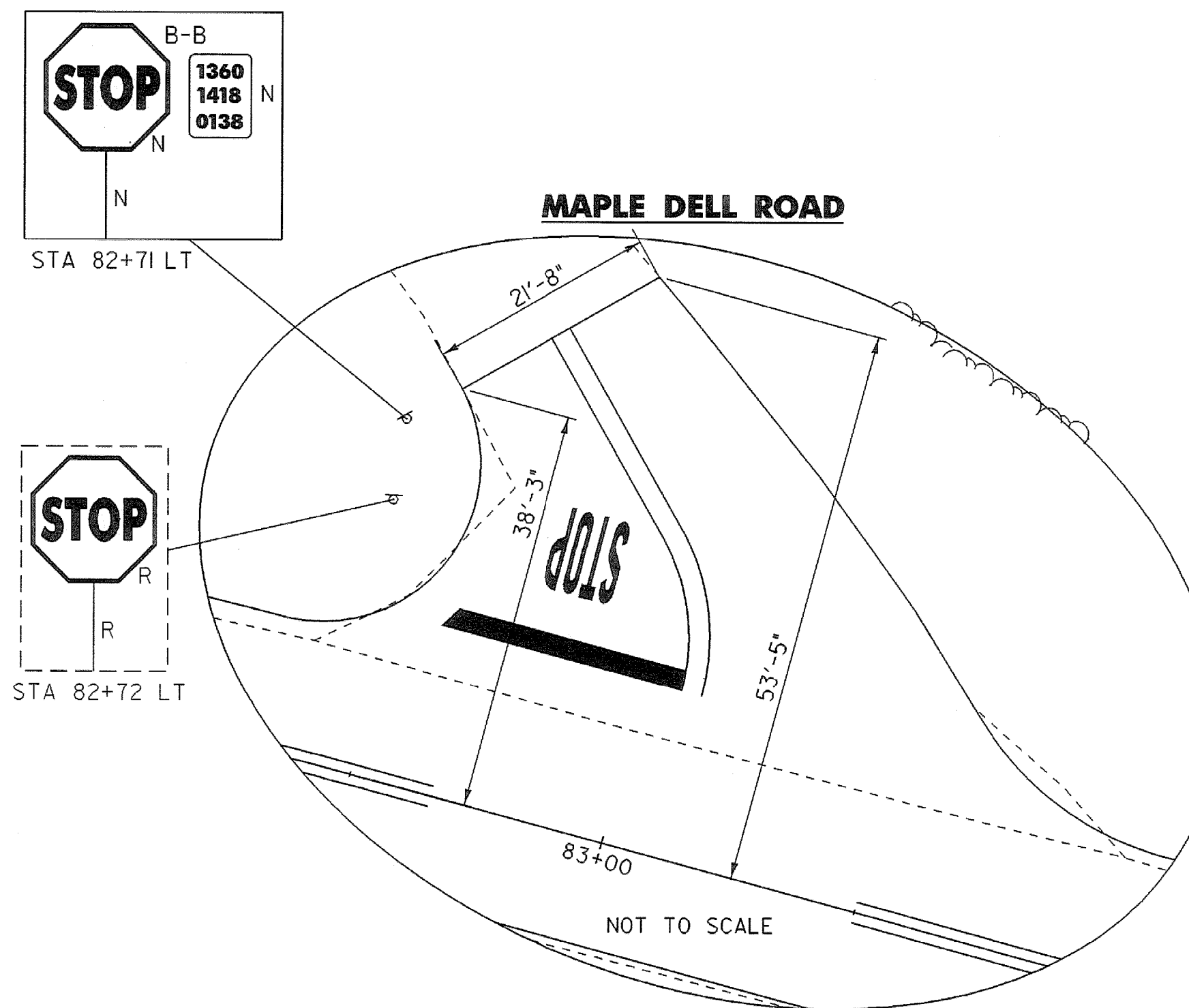
REMOVING SIGNS  
 STA 81+25 RT  
 STA 82+72 LT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA 77+00 TO STA 77+05 RT  
 STA 77+46 TO STA 80+69 RT 77+52 TO 80+64 LT  
 STA 80+86 TO STA 83+53 RT  
 STA 84+36 TO STA 84+50 LT 84+13 TO 85+18 LT

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 77+56 TO STA 80+69 RT 77+47 TO 80+64 RT  
 STA 80+94 TO STA 81+06 RT  
 STA 81+31 TO STA 83+58 RT  
 STA 83+52 TO STA 84+38 LT 83+38 TO 84+50 LT

STEEL BEAM GUARDRAIL, GALVANIZED/NESTED  
~~STA 81+06 TO STA 81+31 RT~~  
 STA 84+38 TO STA 84+50 LT 84+63 LT  
 STA 84+38 TO STA 84+63 RT  
 ANCHOR FOR STEEL BEAM RAIL  
 STA 77+56 RT 77+50 RT  
 STA 80+69 RT 80+63 RT  
 STA 80+94 RT  
 STA 83+58 RT  
 STA 83+52 LT

DELINEATOR WITH STEEL POSTS  
 STA 77+56 RT  
 STA 80+69 RT  
 STA 80+94 RT  
 STA 83+58 RT  
 STA 83+52 LT

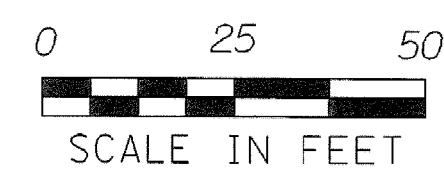


**LEGEND**

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

**NOTES:**

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



**LAYOUT SHEET #3**

PROJECT NAME: SPRINGFIELD  
 PROJECT NUMBER: STP 0136(1)

FILE NAME: ...02c084...02c084\_nul.dgn PLOT DATE: 06-JAN-2009  
 PROJECT LEADER: K. UPMAL DRAWN BY: B. KIPP\N. PAPPAS  
 DESIGNED BY: B. KIPP\N. PAPPAS CHECKED BY: N. PAPPAS  
 IPARM FILE NAME: 02c084\_lay\_03 SHEET 16 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
STA 84+50 TO STA 92+00, SOLID LT & RT

4" YELLOW LINE  
STA 84+50 TO STA 92+00, SOLID LT & RT

REMOVING SIGNS  
STA 84+72 RT

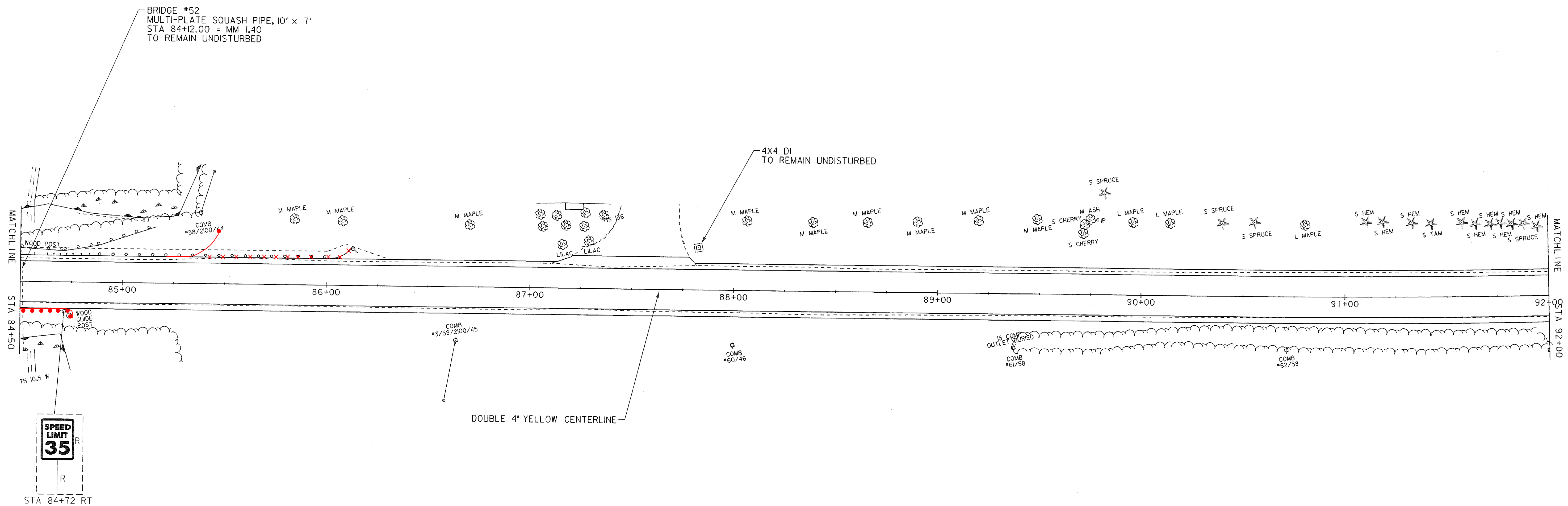
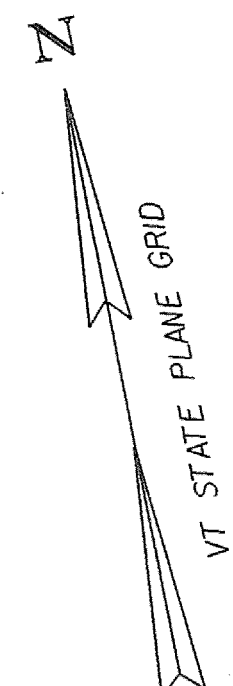
REMOVAL AND DISPOSAL OF GUARDRAIL  
STA 84+50 TO STA 85+00 LT  
85+18

STEEL BEAM GUARDRAIL, GALVANIZED  
STA 84+63 TO STA 86+12 LT  
85+40 STA 84+00 TO 84+62 RT

STEEL BEAM GUARDRAIL, GALVANIZED/NESTED  
STA 84+50 TO STA 86+63 LT  
84+38

ANCHOR FOR STEEL BEAM RAIL  
STA 86+12 LT STA 84+98 RT  
85+40

DELINEATOR WITH STEEL POSTS  
STA 86+12 LT

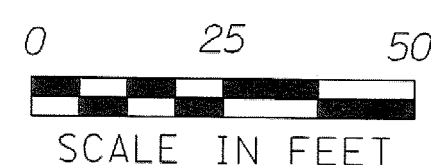


LEGEND

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

NOTES:

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



LAYOUT SHEET #4

PROJECT NAME: SPRINGFIELD  
PROJECT NUMBER: STP 0136(I)

FILE NAME: ...02C084...02C084\_nul.dgn PLOT DATE: 06-JAN-2009  
PROJECT LEADER: K. UPMAL DRAWN BY: B. KIPP\N.PAPPAS  
DESIGNED BY: B. KIPP\N.PAPPAS CHECKED BY: N. PAPPAS  
IPARM FILE NAME: 02c084\_lay\_04 SHEET 17 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 92+00 TO STA 97+57, SOLID LT & RT  
 STA 97+99 TO STA 99+50, SOLID LT & RT  
 STA 99+96 RT, SOLID LT & RT

4" YELLOW LINE  
 STA 92+00 TO STA 97+57, SOLID LT & RT  
 STA 97+99 TO STA 99+50, SOLID LT & RT  
 STA 99+96 RT, SOLID LT & RT

REMOVING SIGNS  
 STA 95+08 LT  
 STA 97+96 RT  
 STA 98+02 RT

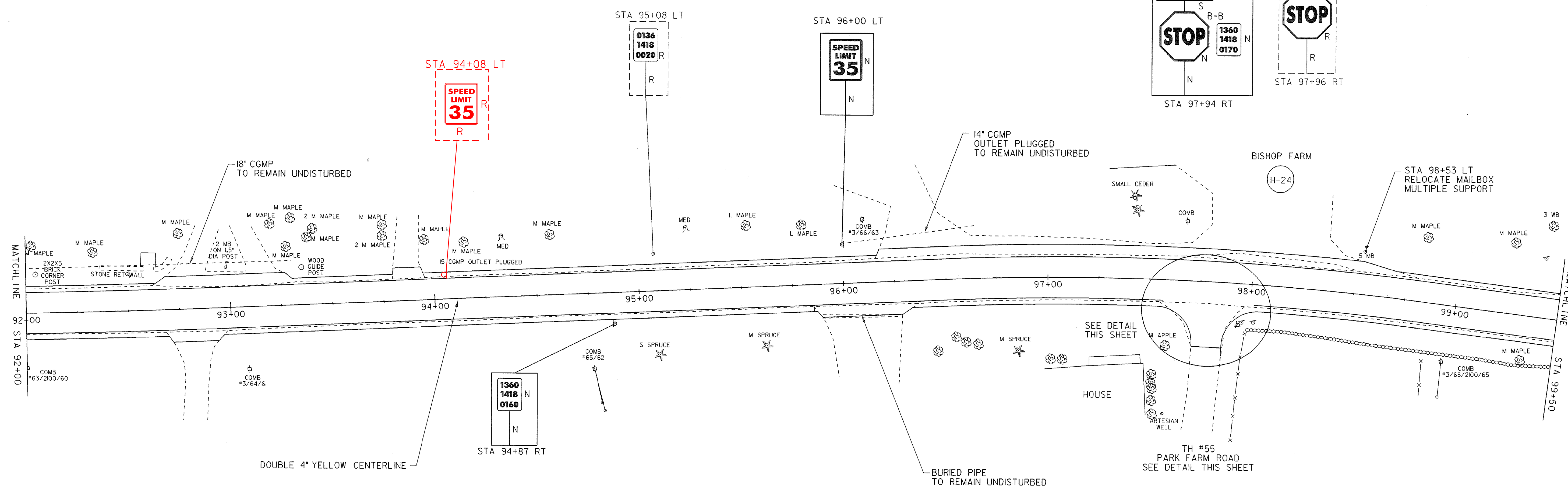
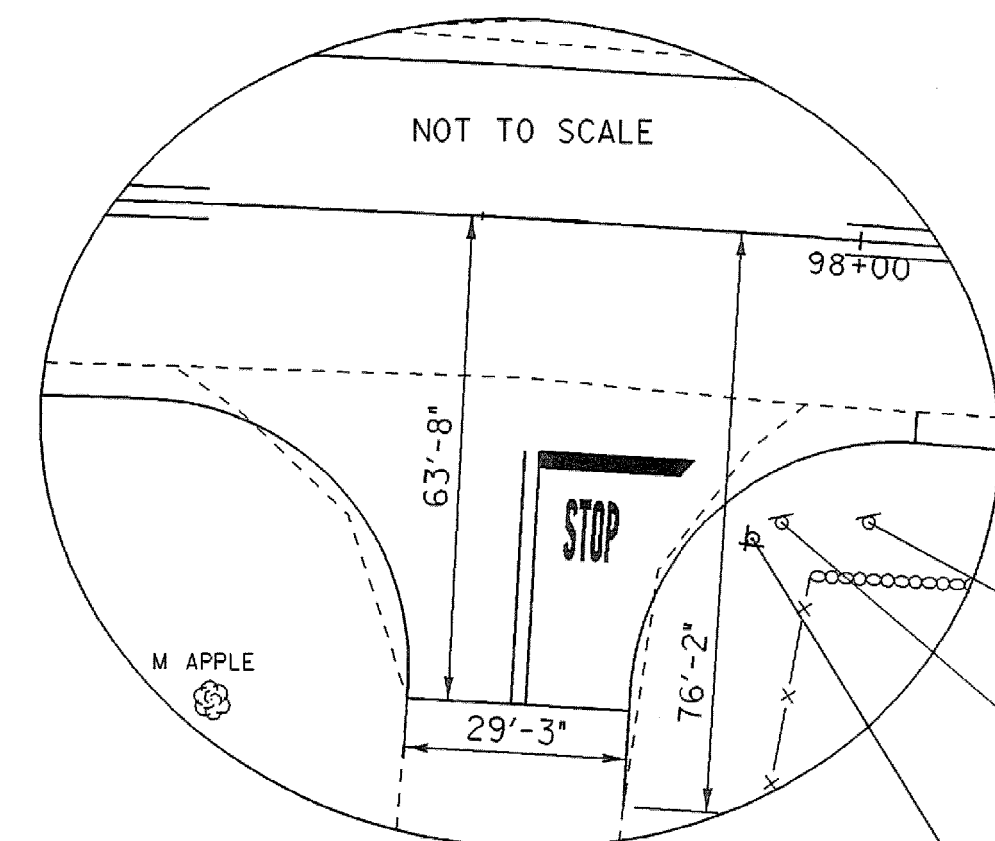
ERECTING SALVAGED SIGNS  
 STA 97+94 RT

RELOCATE MAILBOX, MULTIPLE SUPPORT  
 STA 98+53 LT

TEMPORARY 24" STOP BAR, PAINT  
 STA 97+85 RT PARK FARM ROAD

TEMPORARY LETTER OR SYMBOL, PAINT  
 STA 97+85 RT "STOP"

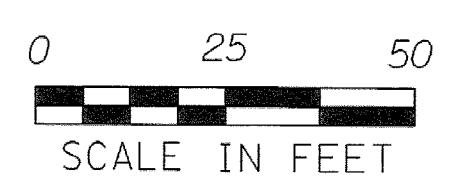
**PARK FARM ROAD**



**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



**LAYOUT SHEET #5**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02c084\...02c084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPPAN, PAPPAS
DESIGNED BY: B. KIPPAN, PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_05	SHEET 18 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 99+50 TO STA 100+56, SOLID LT & RT  
 STA 100+90 TO STA 107+00, SOLID LT & RT  
 STA 100+75 RT, SOLID LT & RT

4" YELLOW LINE  
 STA 99+50 TO STA 100+56, SOLID LT & RT  
 STA 100+90 TO STA 107+00, SOLID LT & RT  
 STA 100+75 RT, SOLID LT & RT

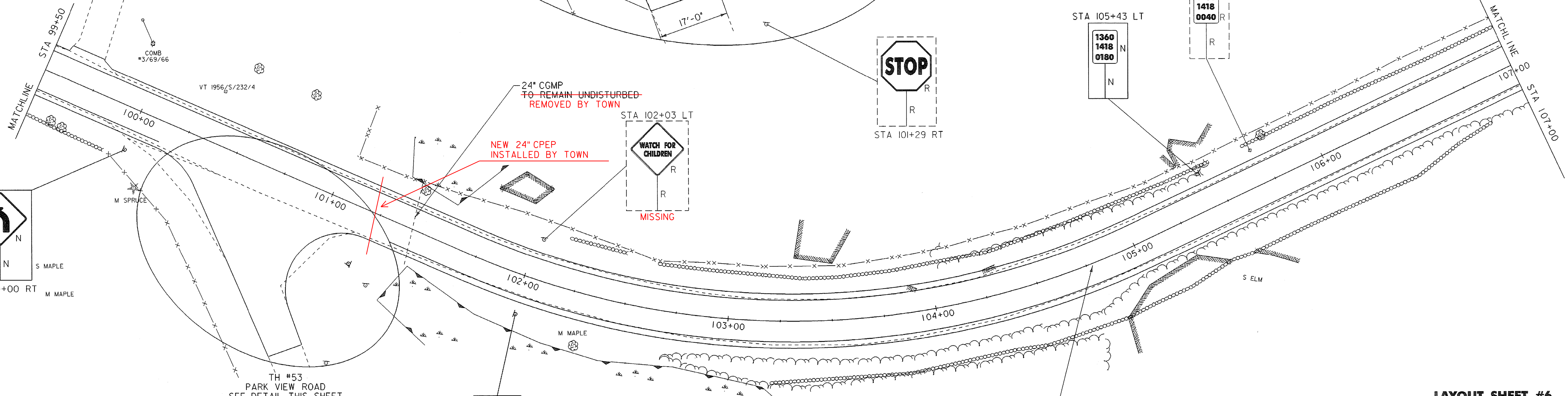
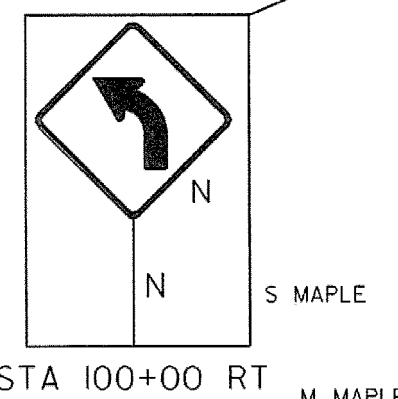
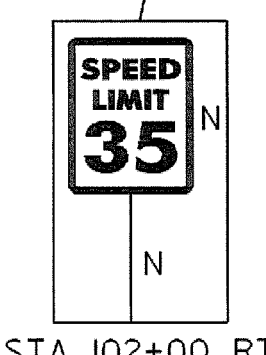
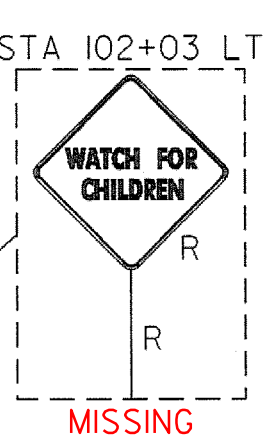
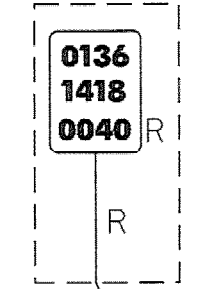
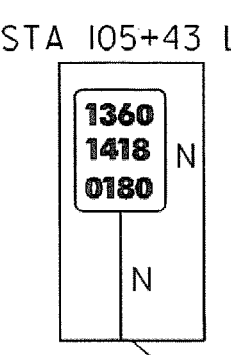
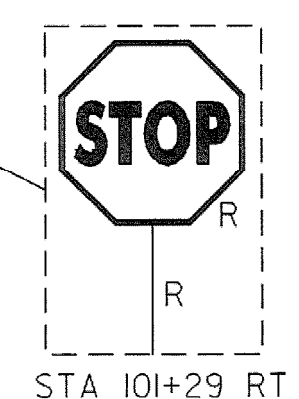
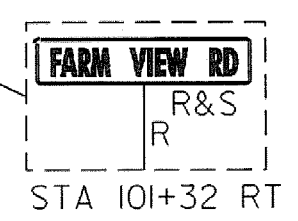
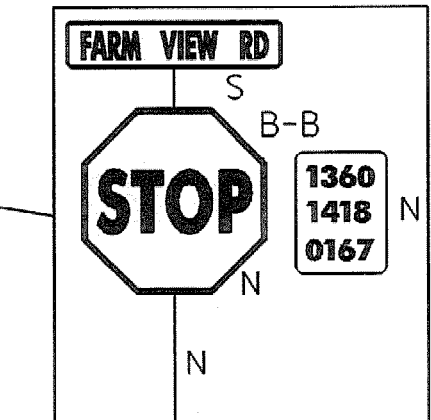
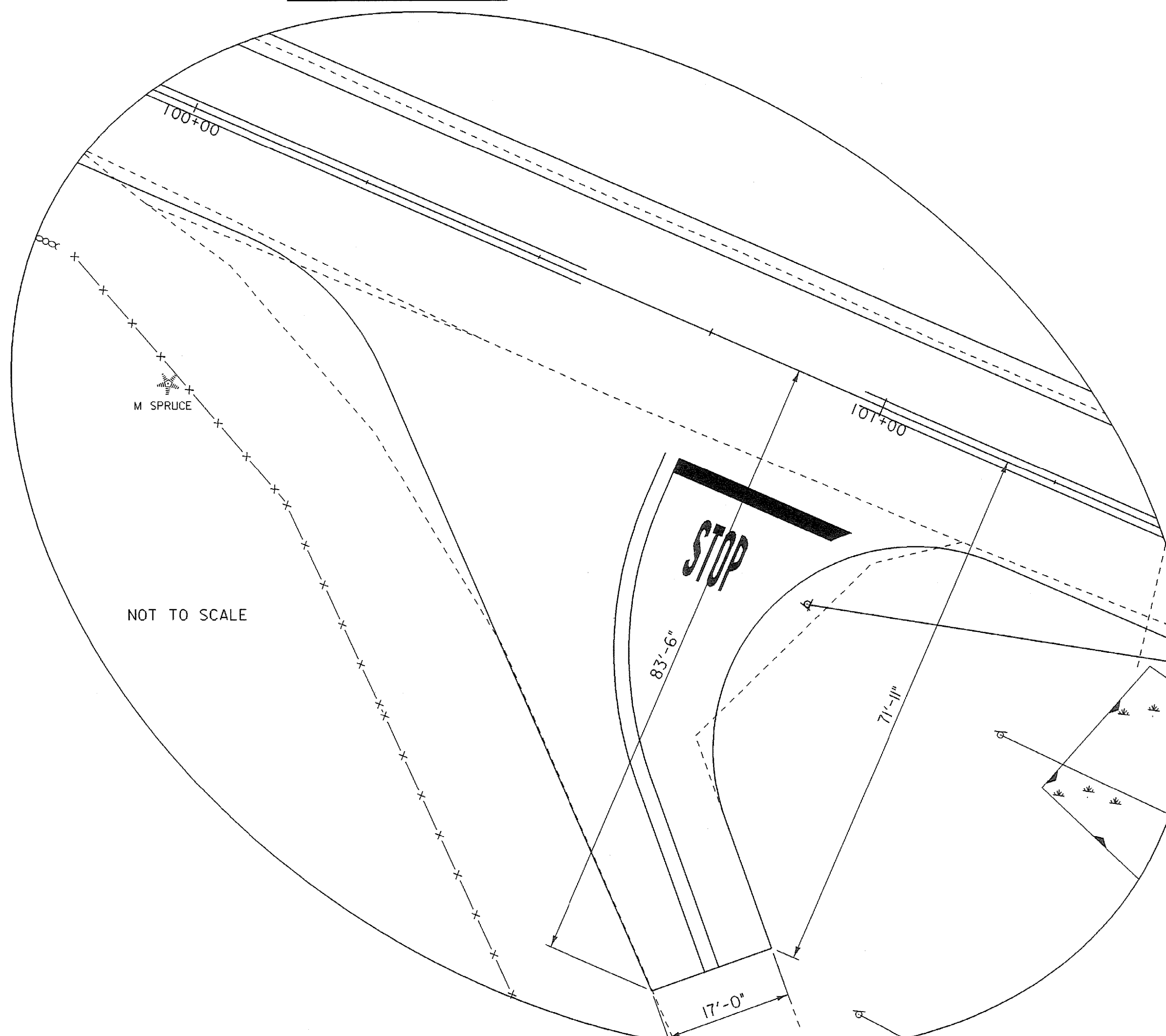
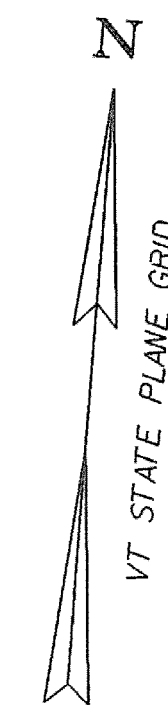
REMOVING SIGNS

STA 101+29 RT  
 STA 101+32 RT  
 STA 102+03 LT  
 STA 105+70 LT

ERECTING SALVAGED SIGNS

STA 101+03 RT

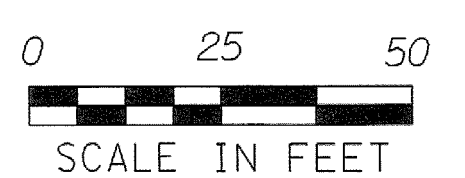
PARK VIEW ROAD



- NOTES:
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.

LEGEND

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



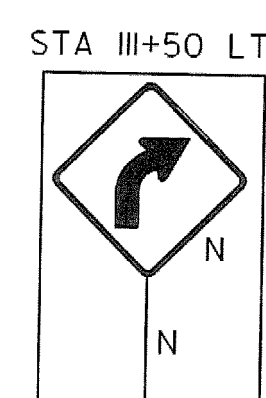
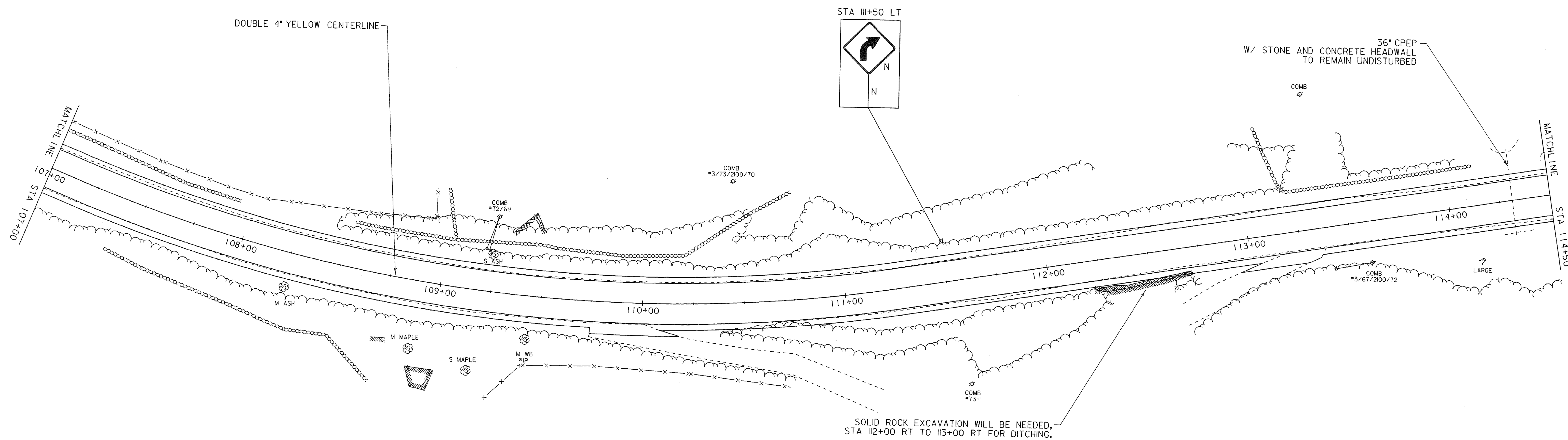
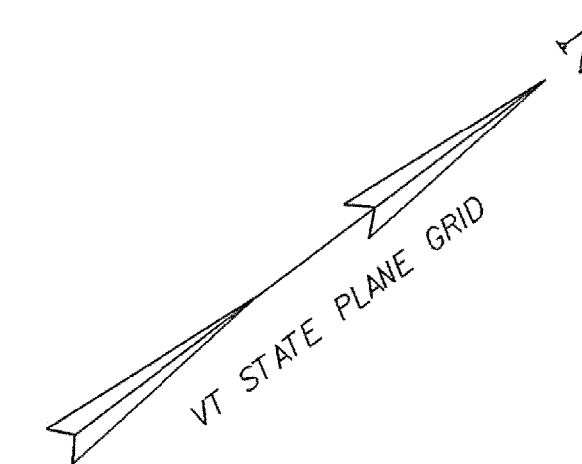
LAYOUT SHEET #6

PROJECT NAME:	SPRINGFIELD	PLOT DATE:	06-JAN-2009
PROJECT NUMBER:	STP 0136(I)	DRAWN BY:	B. KIPPAN, PAPPAS
FILE NAME:	...02C084\...02C084_nul.dgn	DESIGNED BY:	B. KIPPAN, PAPPAS
IPARM FILE NAME:	02c084_lay_06	CHECKED BY:	N. PAPPAS
		SHEET	19 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 107+00 TO STA 114+50, SOLID LT & RT

4" YELLOW LINE  
 STA 107+00 TO STA 114+50, SOLID LT & RT

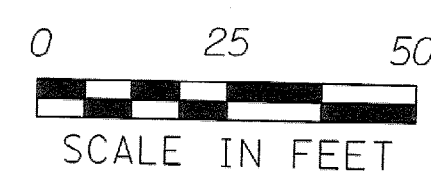
STONE FILL TYPE I  
 STA 114+00 TO 114+50 RT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

NOTES:

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.

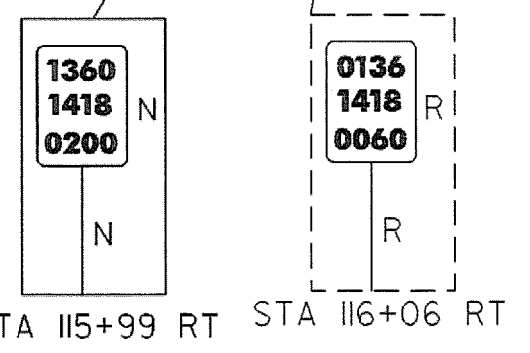
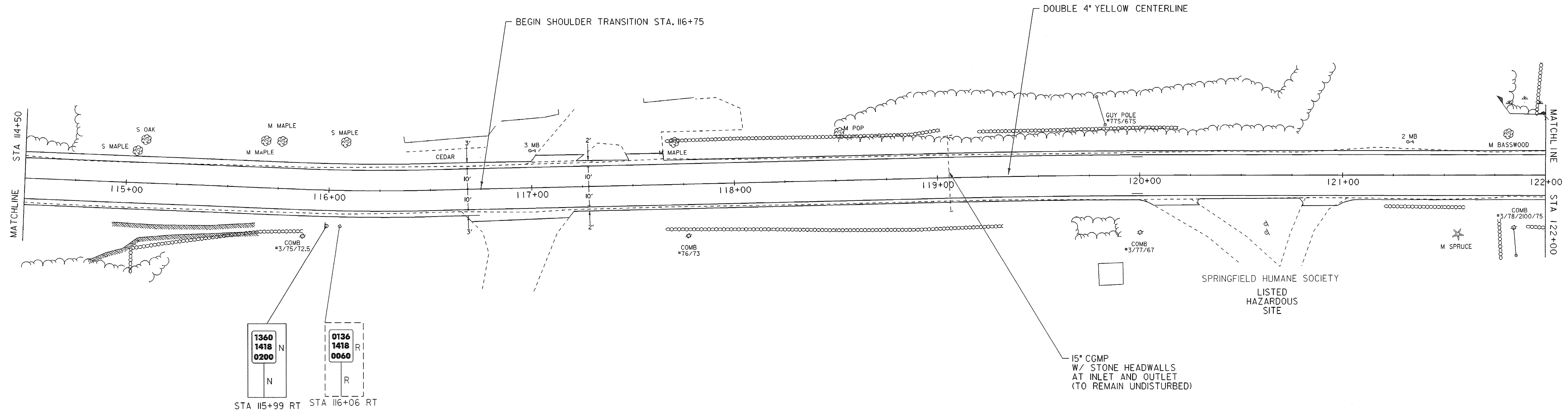
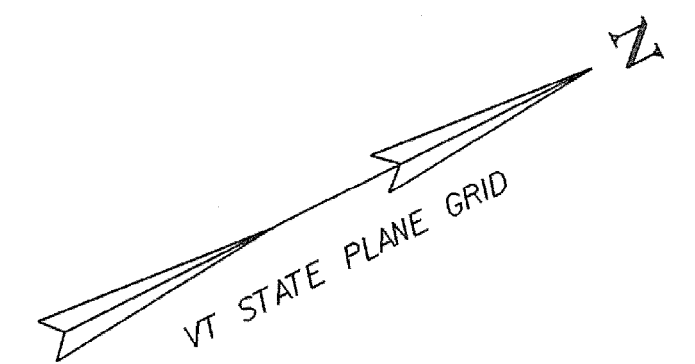


LAYOUT SHEET #7

PROJECT NAME:	SPRINGFIELD	PLOT DATE:	30-DEC-2008
PROJECT NUMBER:	STP 0136(I)	DRAWN BY:	B. KIPP\N. PAPPAS
FILE NAME:	...02C084\...02C084_nul.dgn	CHECKED BY:	N. PAPPAS
DESIGNED BY:	B. KIPP\N. PAPPAS	SHEET	20 OF 68
IPARM FILE NAME:	02c084_lay_07		

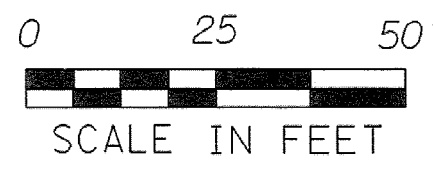
TEMPORARY 4" YELLOW LINE, PAINT  
 STA 114+50 TO STA 122+00, SOLID LT & RT  
 4" YELLOW LINE  
 STA 114+50 TO STA 122+00, SOLID LT & RT  
 REMOVING SIGNS  
 STA 116+06 RT

STONE FILL, TYPE I  
 STA 114+50 TO 115+75 RT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

- NOTES:
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



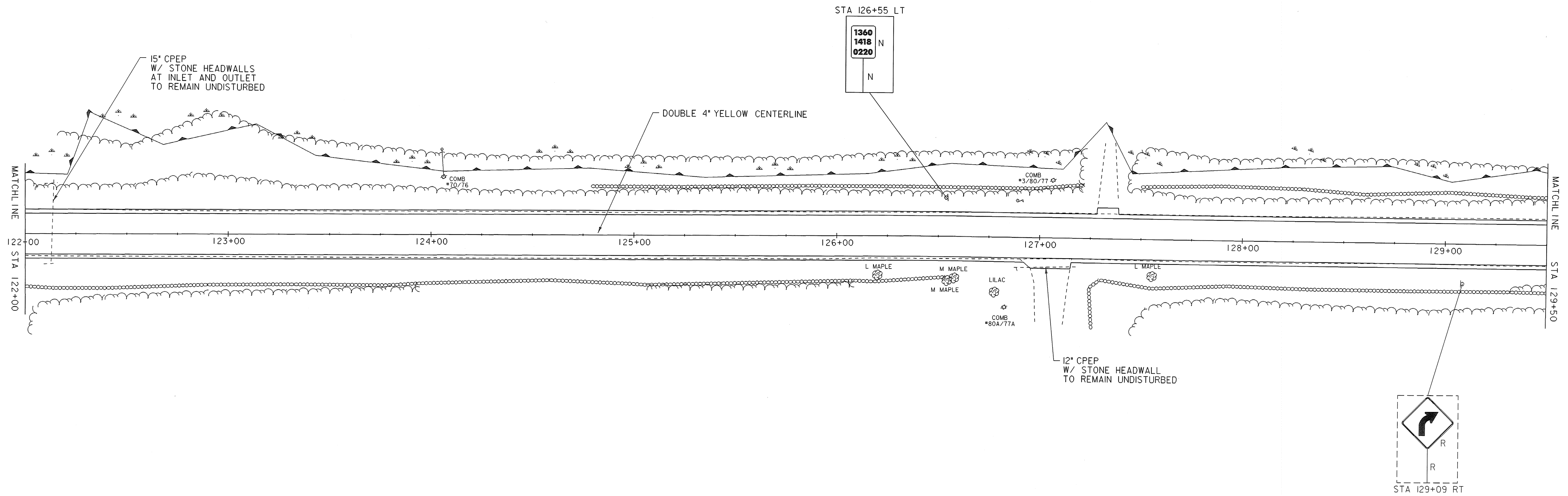
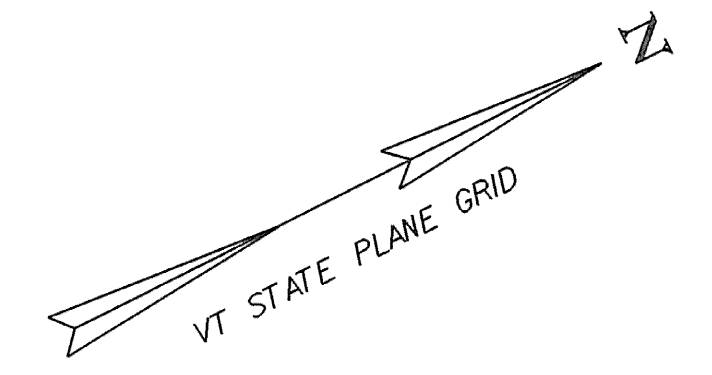
**LAYOUT SHEET #8**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(1)
FILE NAME: ...02C084\...02C084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPPAN, PAPPAS
DESIGNED BY: B. KIPPAN, PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_08	SHEET 21 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 122+00 TO STA 129+50, SOLID LT & RT

4" YELLOW LINE  
 STA 122+00 TO STA 129+50, SOLID LT & RT

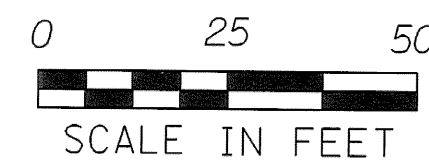
REMOVING SIGNS  
 STA 129+09 RT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

NOTES:

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



LAYOUT SHEET #9

PROJECT NAME:	SPRINGFIELD	FILE NAME: ...02c084\...02c084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT NUMBER:	STP 0136(I)	PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N, PAPPAS
		DESIGNED BY: B. KIPP\N, PAPPAS	CHECKED BY: N. PAPPAS
		IPARM FILE NAME: 02c084_lay_09	SHEET 22 OF 68

**TEMPORARY 4" YELLOW LINE, PAINT**  
 STA 129+50 TO STA 132+30, SOLID LT & RT  
 STA 132+61 LT, SOLID LT & RT  
 STA 132+81 TO STA 137+00, SOLID LT & RT

**4" YELLOW LINE**  
 STA 129+50 TO STA 132+40, SOLID LT & RT  
 STA 132+61 LT, SOLID LT & RT  
 STA 132+90 TO STA 137+00, SOLID LT & RT

**TEMPORARY 24" STOP BAR, PAINT**  
 STA 132+50 LT EUREKA ROAD

**TEMPORARY LETTER OR SYMBOL, PAINT**  
 STA 132+50 LT "STOP"

**STEEL BEAM GUARDRAIL, GALVANIZED**  
 STA 135+50 TO STA 136+48 LT  
 STA 136+52 TO STA 136+73 LT  
 STA 136+73 TO STA 137+00 LT

**ANCHOR FOR STEEL BEAM RAIL**  
 STA 135+50 LT

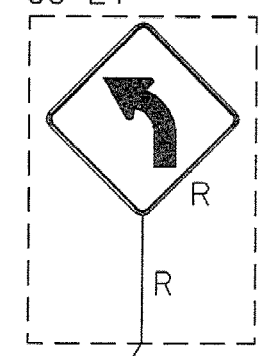
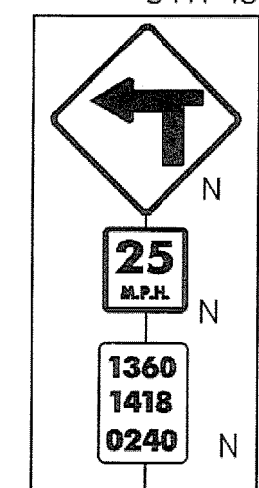
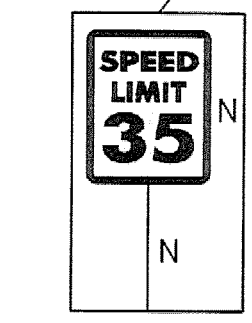
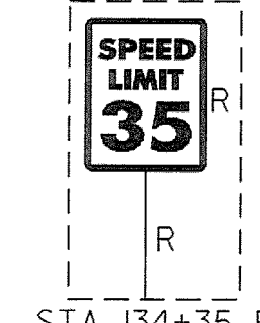
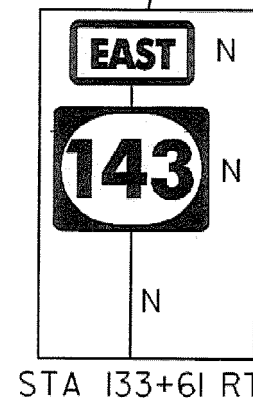
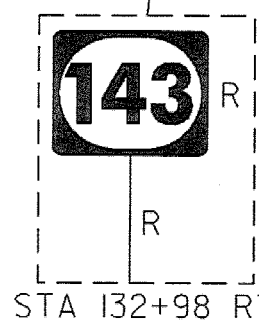
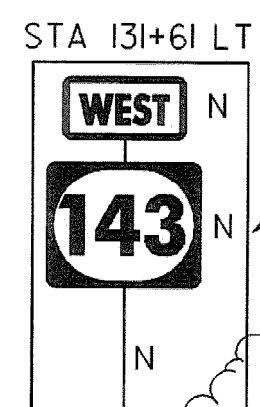
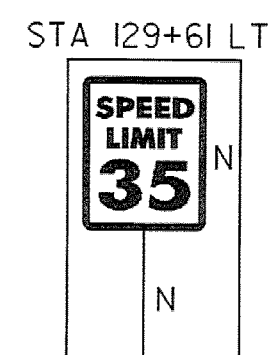
**DELINEATOR WITH STEEL POSTS**  
 STA 135+50 LT

**REMOVING SIGNS**  
 STA 132+45 LT  
 STA 132+90 LT  
 STA 132+98 RT  
 STA 134+35 RT  
 STA 136+68 LT

**ERECTING SALVAGED SIGNS**  
 STA 132+32 LT

STA 131+00 = MM 2.29  
 8" RECLAIM  
 2-1/2" TYPE IIS BASE COURSE  
 1-1/2" TYPE IVS SURFACE COURSE

STA 129+75 = MM 2.26  
 BEGIN TAPER



12" CGMP TO REMAIN UNDISTURBED

TH #54 EUREKA ROAD

EXISTING PIPE TO REMAIN UNDISTURBED

SEE DETAIL THIS SHEET

GUY POLE #795  
 COMB #3/82/795

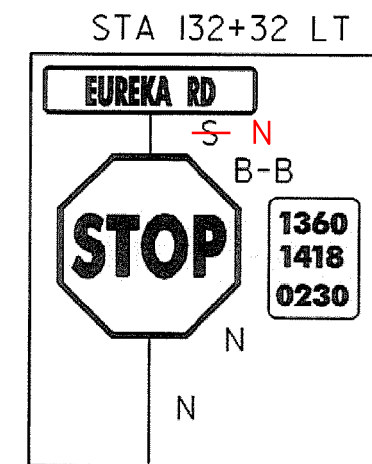
WOOD GUIDE POST

CURVE #1

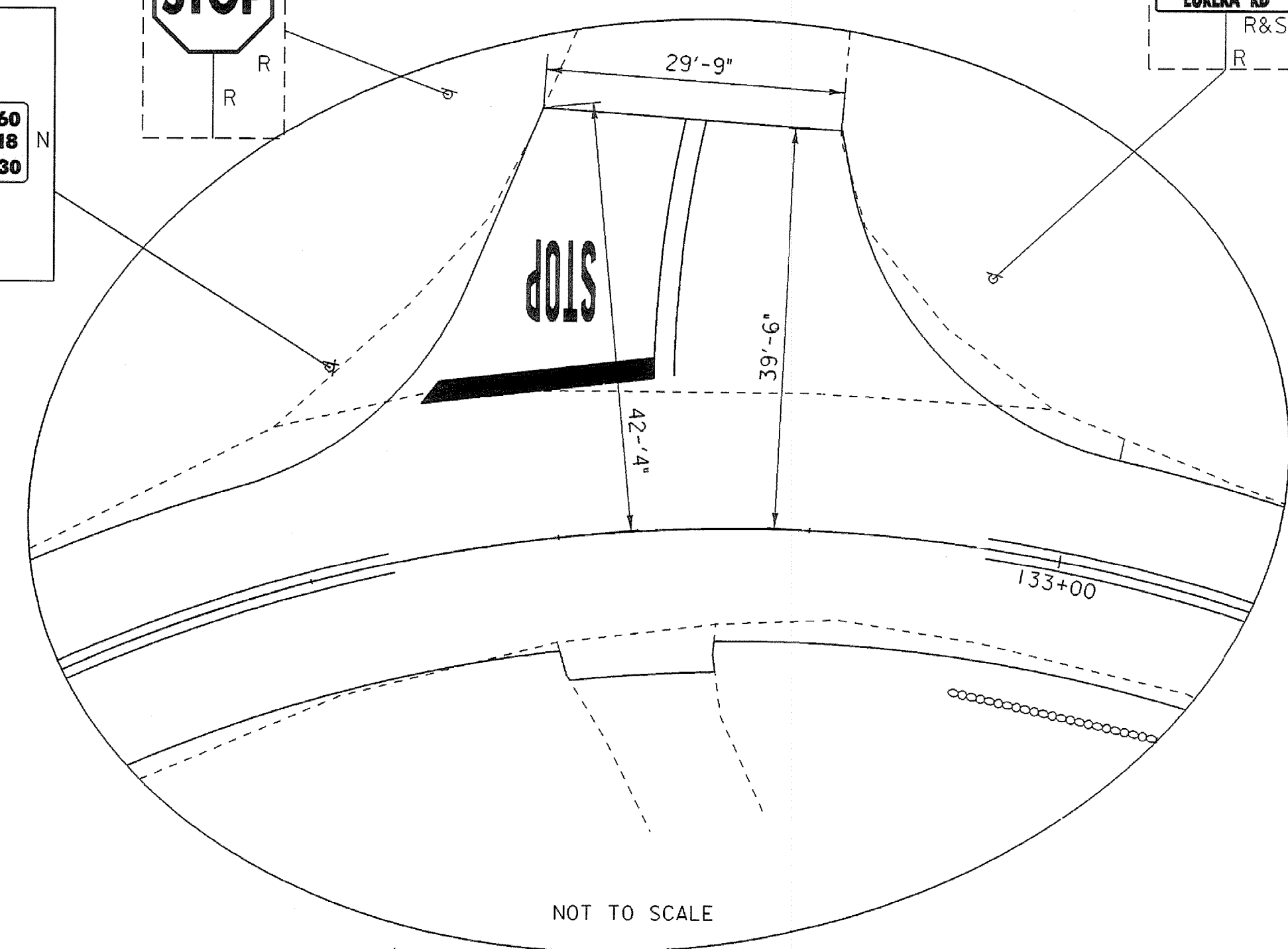
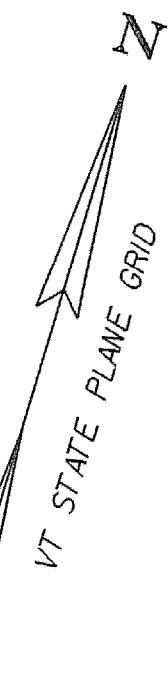
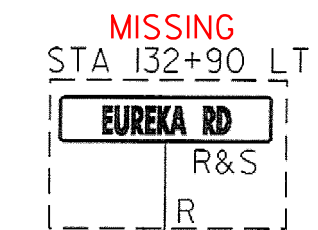
15" CPEP W/ STONE HEADWALLS AT INLET AND OUTLET TO REMAIN UNDISTURBED

DOUBLE 4" YELLOW CENTERLINE

STA 132+45 LT



EUREKA ROAD



NOT TO SCALE

STA 135+25 BEGIN BRIDGE TAPER

POND

STA 136+63.63 CONCRETE BOX W/ STONE HEADWALLS TO REMAIN UNDISTURBED SEE SHEETS 4, 5 AND 10

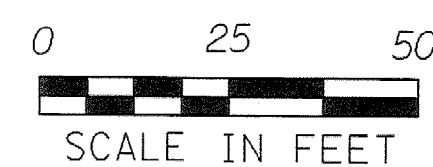
**LAYOUT SHEET #10**

**LEGEND**

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

**NOTES:**

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



**PAVEMENT CORES**

NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
1	8"	YES	NO

PROJECT NAME: **SPRINGFIELD**  
 PROJECT NUMBER: **STP 0136(1)**

FILE NAME: ...02c084\...02c084\_nul.dgn PLOT DATE: 30-DEC-2008  
 PROJECT LEADER: K. UPMAL DRAWN BY: B. KIPPAN, PAPPAS  
 DESIGNED BY: B. KIPPAN, PAPPAS CHECKED BY: N. PAPPAS  
 IPARM FILE NAME: 02c084\_lay\_10 SHEET 23 OF 68

**TEMPORARY 4" YELLOW LINE, PAINT**  
 STA 137+00 TO STA 143+28, SOLID LT & RT  
 STA 143+48 RT, SOLID LT & RT  
 STA 143+64 TO STA 143+90, SOLID LT & RT  
 STA 143+99 RT, SOLID LT & RT  
 STA 144+20 TO STA 144+50, SOLID LT & RT

**TEMPORARY 24" STOP BAR, PAINT**  
 STA 143+57 RT CROWN POINT ROAD  
 STA 144+10 RT CROWN POINT ROAD

**TEMPORARY LETTER OR SYMBOL, PAINT**  
 STA 143+57 RT "STOP"  
 STA 144+10 RT "STOP"

**4" YELLOW LINE**  
 STA 137+00 TO STA 143+28, SOLID LT & RT  
 STA 143+48 RT, SOLID LT & RT  
 STA 143+64 TO STA 143+90, SOLID LT & RT  
 STA 143+99 RT, SOLID LT & RT  
 STA 144+20 TO STA 144+50, SOLID LT & RT

**24" STOP BAR**  
 STA 143+57 RT CROWN POINT ROAD  
 STA 144+10 RT CROWN POINT ROAD

**LETTER OR SYMBOL**  
 STA 143+57 RT "STOP"  
 STA 144+10 RT "STOP"

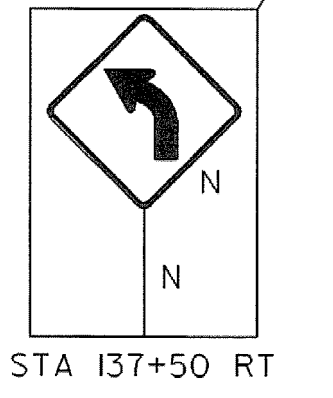
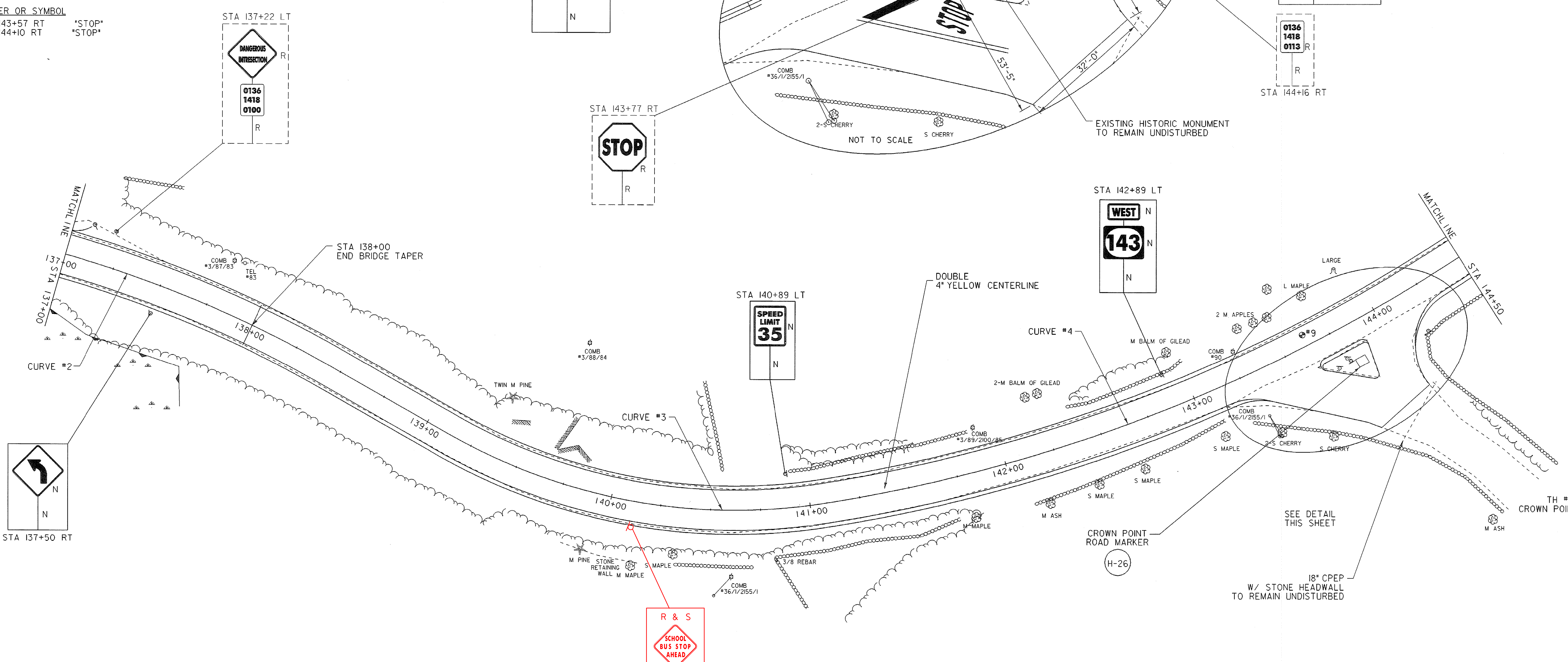
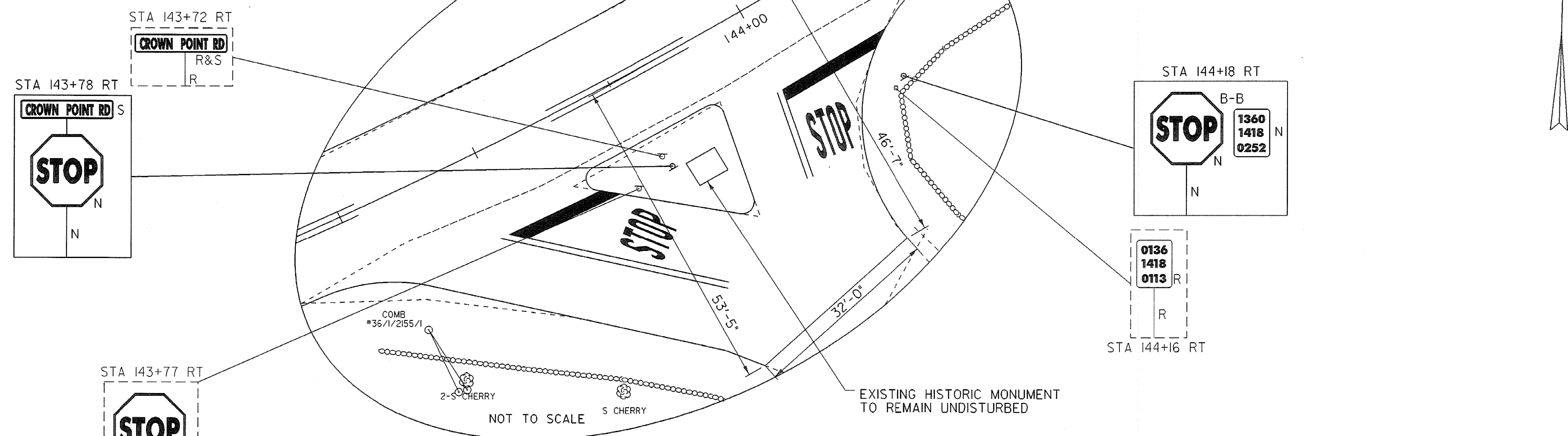
**STEEL BEAM GUARDRAIL, GALVANIZED**  
 STA 137+00 TO STA 137+10 LT  
**ANCHOR FOR STEEL BEAM RAIL**  
 STA 137+10 LT

**DELINEATOR WITH STEEL POSTS**  
 STA 137+09 LT

**REMOVING SIGNS**  
 STA 137+22 LT  
 STA 143+72 RT  
 STA 143+77 RT  
 STA 144+16 RT

**ERECTING SALVAGED SIGNS**  
 STA 143+78 RT

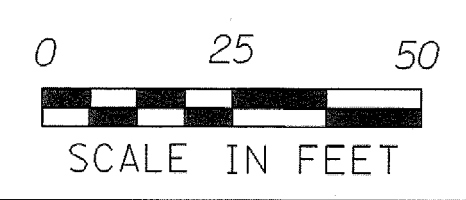
**CROWN POINT ROAD**



**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
9	6"	YES	NEAR CROWN PNT. RD.

**LAYOUT SHEET #11**

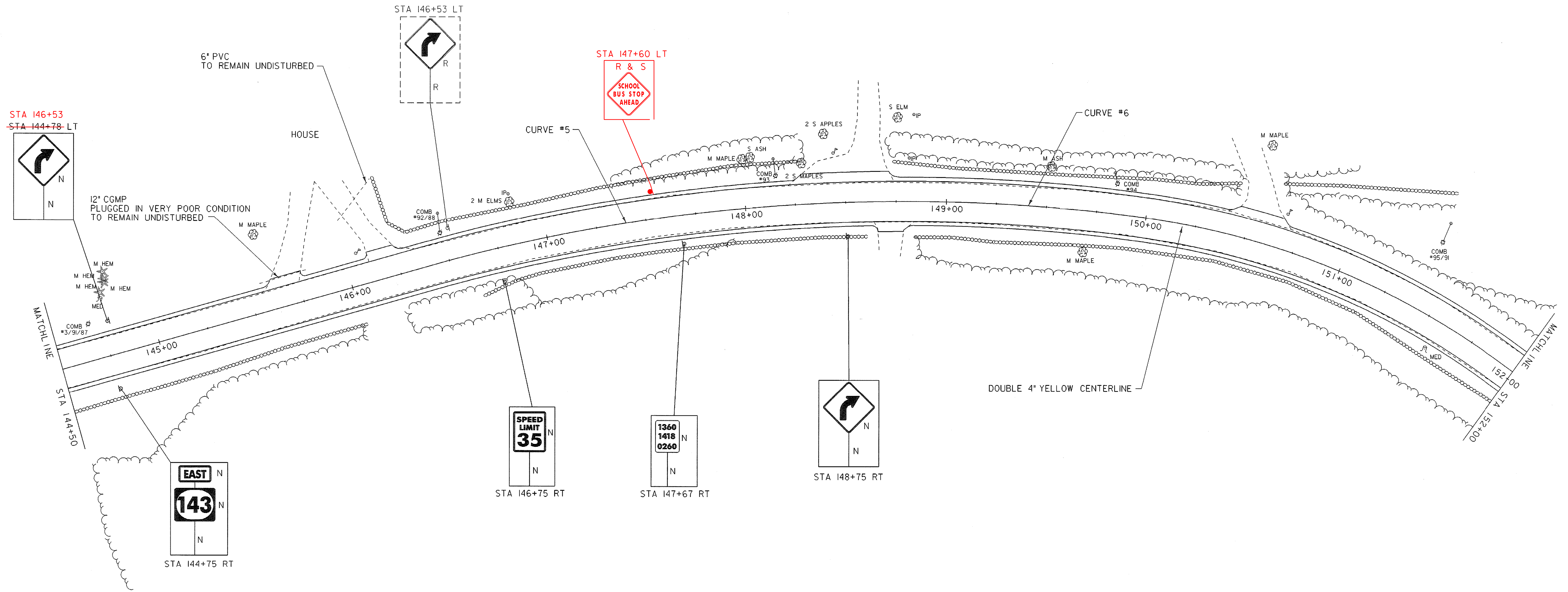
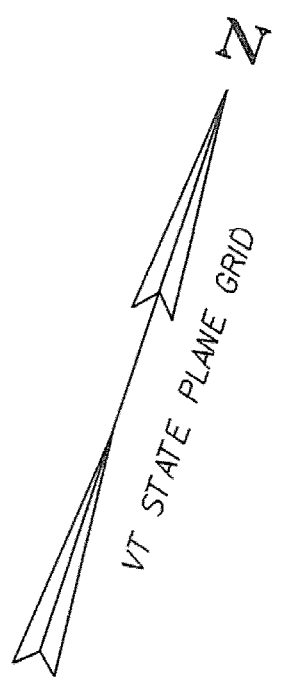
PROJECT NAME: **SPRINGFIELD**  
 PROJECT NUMBER: **STP 0136(1)**

FILE NAME: ...02C084\...02C084\_nul.dgn PLOT DATE: 30-DEC-2008  
 PROJECT LEADER: K. UPMAL DRAWN BY: B. KIPP\N, PAPPAS  
 DESIGNED BY: B. KIPP\N, PAPPAS CHECKED BY: N. PAPPAS  
 IPARM FILE NAME: 02c084\_lay\_11 SHEET 24 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 144+50 TO STA 152+00, SOLID LT & RT

4" YELLOW LINE  
 STA 144+50 TO STA 152+00, SOLID LT & RT

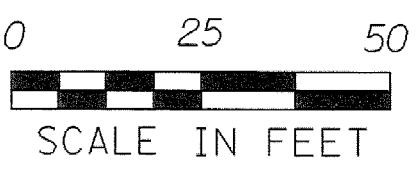
REMOVING SIGNS  
 STA 146+53 LT



**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



**LAYOUT SHEET #12**

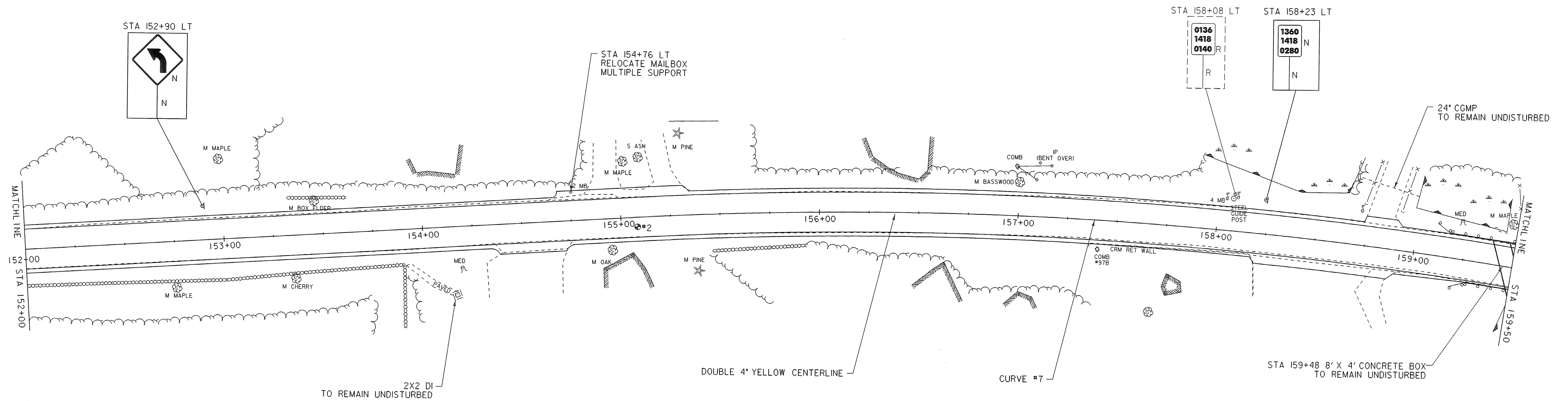
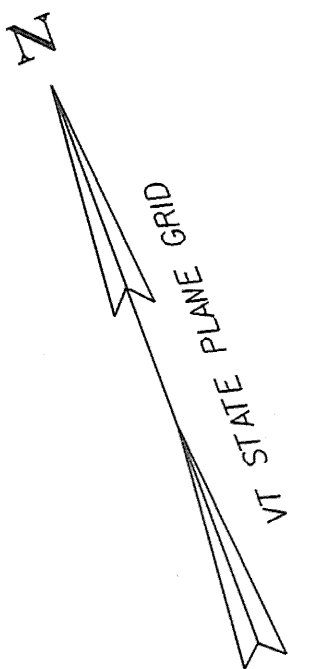
PROJECT NAME:	SPRINGFIELD	PLOT DATE:	30-DEC-2008
PROJECT NUMBER:	STP 0136(1)	DRAWN BY:	B. KIPP\N. PAPPAS
FILE NAME:	...02c084...02c084_nul.dgn	CHECKED BY:	N. PAPPAS
PROJECT LEADER:	K. UPMAL	SHEET	25 OF 68
DESIGNED BY:	B. KIPP\N. PAPPAS		
IPARM FILE NAME:	02c084_lay_12		

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 152+00 TO STA 159+50, SOLID LT & RT

4" YELLOW LINE  
 STA 152+00 TO STA 159+50, SOLID LT & RT

REMOVING SIGNS  
 STA 158+08 LT

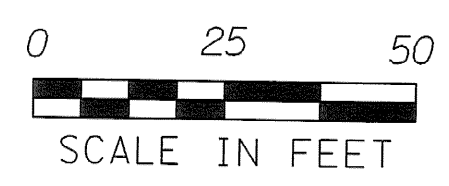
RELOCATE MAILBOX, MULTIPLE SUPPORT  
 STA 154+76 LT



**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



PAVEMENT CORES

NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
2	7'	NO	RECOVERED 5 1/2" SOLID CORE

**LAYOUT SHEET #13**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02C084\...02C084_nul.dgn	PLOT DATE: 06-JAN-2009
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPPAN, PAPPAS
DESIGNED BY: B. KIPPAN, PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_13	SHEET 26 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 159+50 TO STA 167+00, SOLID LT & RT

4" YELLOW LINE  
 STA 159+50 TO STA 167+00, SOLID LT & RT

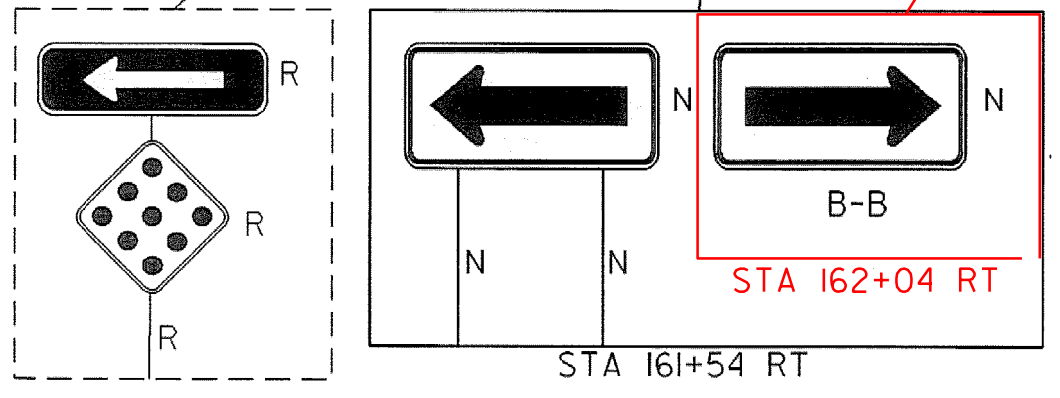
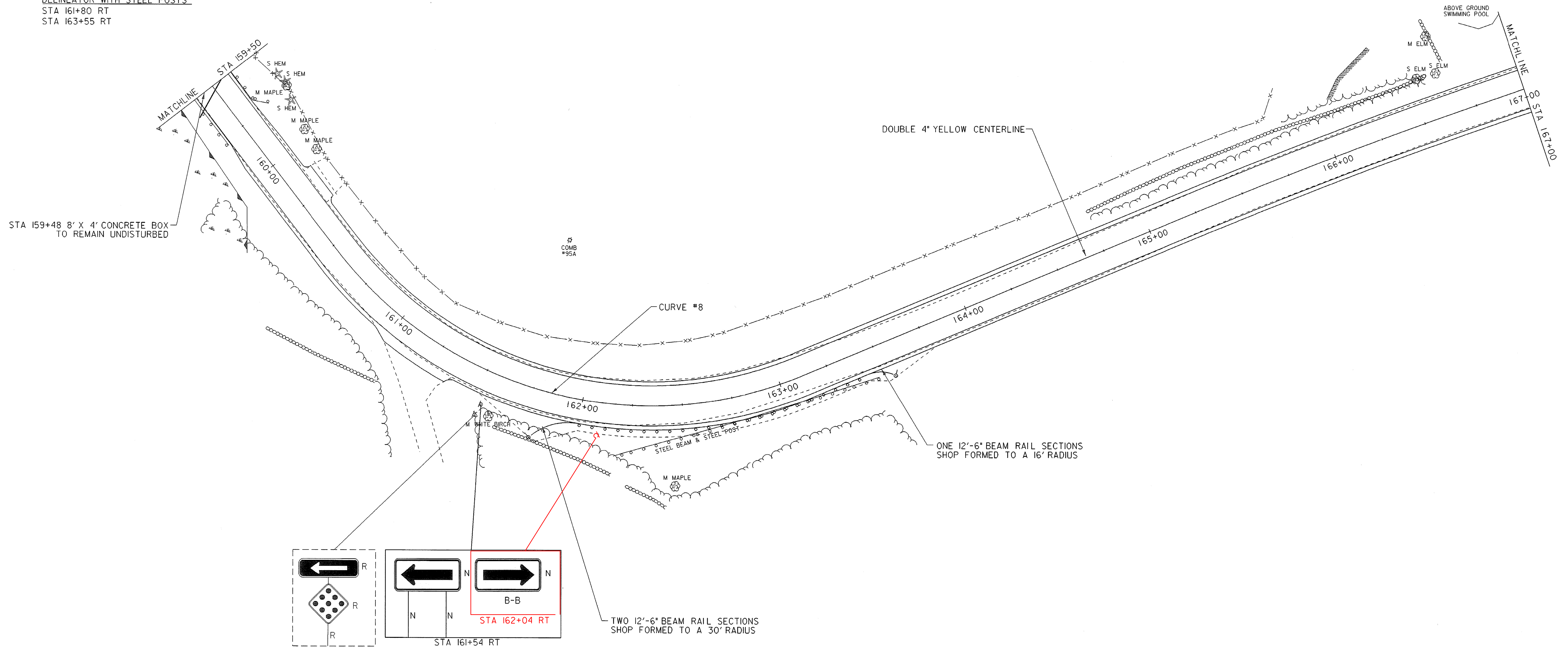
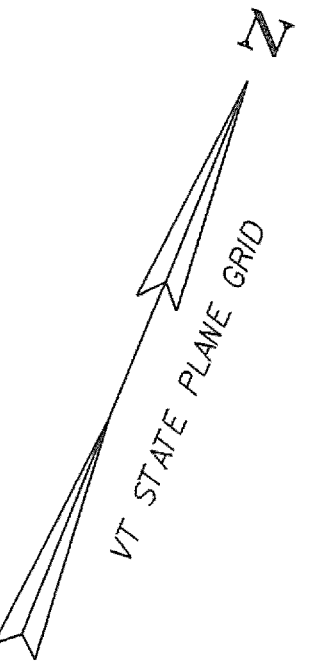
REMOVING SIGNS  
 STA 161+53 RT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA 162+20 TO STA 163+47 RT

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 161+80 TO STA 163+55 RT

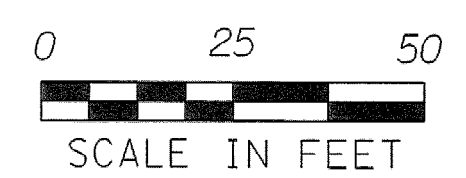
ANCHOR FOR STEEL BEAM RAIL  
 STA 161+80 RT  
 STA 163+55 RT

DELINEATOR WITH STEEL POSTS  
 STA 161+80 RT  
 STA 163+55 RT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

- NOTES:
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



**LAYOUT SHEET #14**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(1)
FILE NAME: ...02c084\...02c084_nul.dgn	PLOT DATE: 06-JAN-2009
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N. PAPPAS
DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_14	SHEET 27 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 167+00 TO STA 174+50, SOLID LT & RT

4" YELLOW LINE  
 STA 167+00 TO STA 174+50, SOLID LT & RT

REMOVING SIGNS  
 STA 168+52 RT

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 174+21.09 TO STA 174+46.5 RT  
 STA 174+24.67 TO STA 174+46.5 LT

HD STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 174+46.5 TO STA 174+50 RT  
 STA 174+46.5 TO STA 174+50 LT

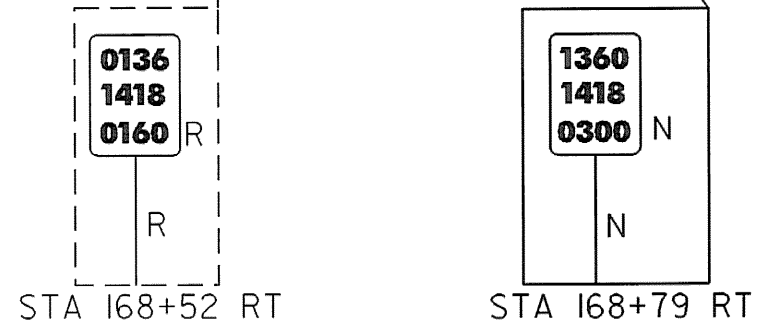
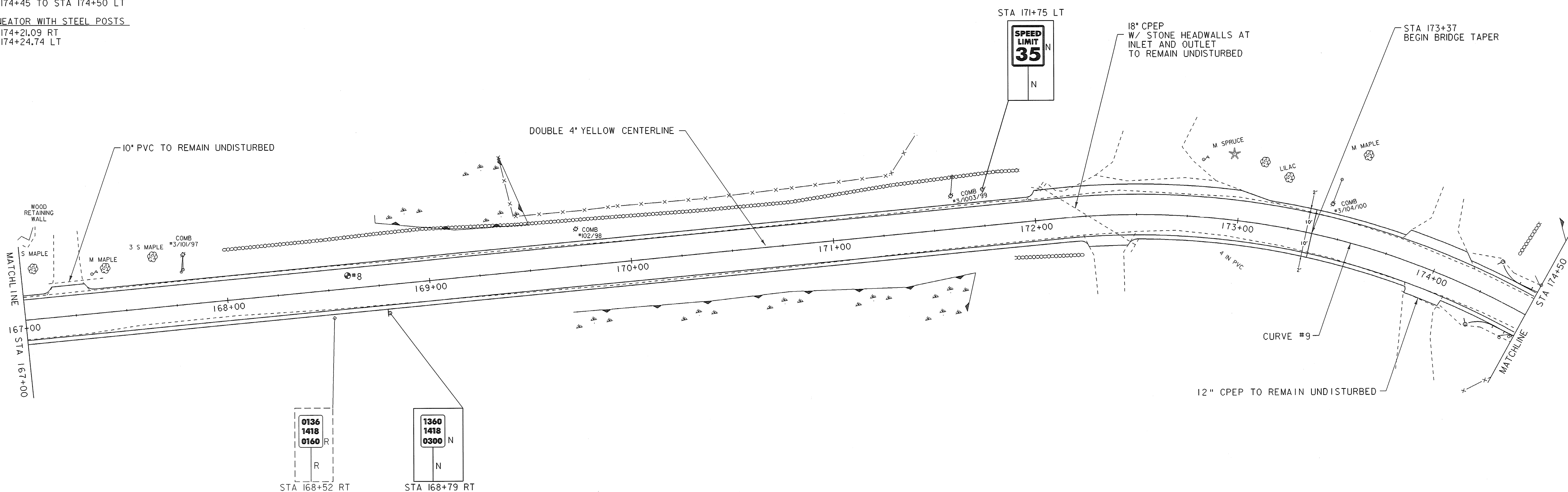
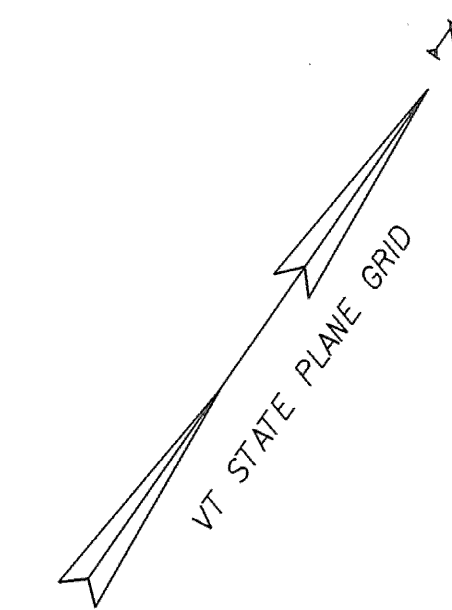
ANCHOR FOR STEEL BEAM RAIL  
 STA 174+21.09 RT  
 STA 174+24.67 LT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA 174+43 TO STA 174+50 RT  
 STA 174+45 TO STA 174+50 LT

DELINEATOR WITH STEEL POSTS  
 STA 174+21.09 RT  
 STA 174+24.74 LT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA 174+43 TO STA 174+50 RT  
 STA 174+45 TO STA 174+50 LT

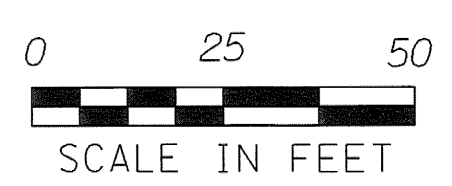
DELINEATOR WITH STEEL POSTS  
 STA 174+21.09 RT  
 STA 174+24.74 LT



**LEGEND**

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

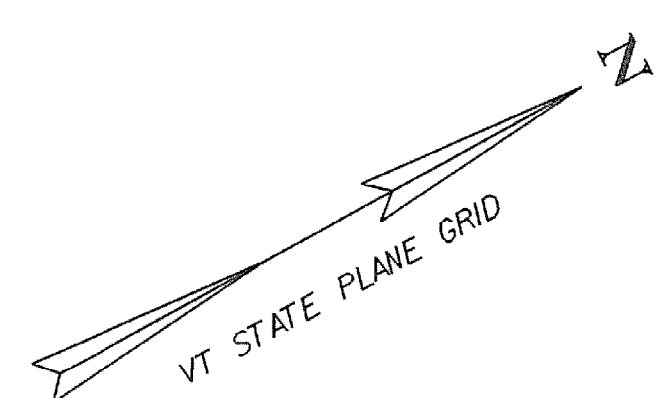
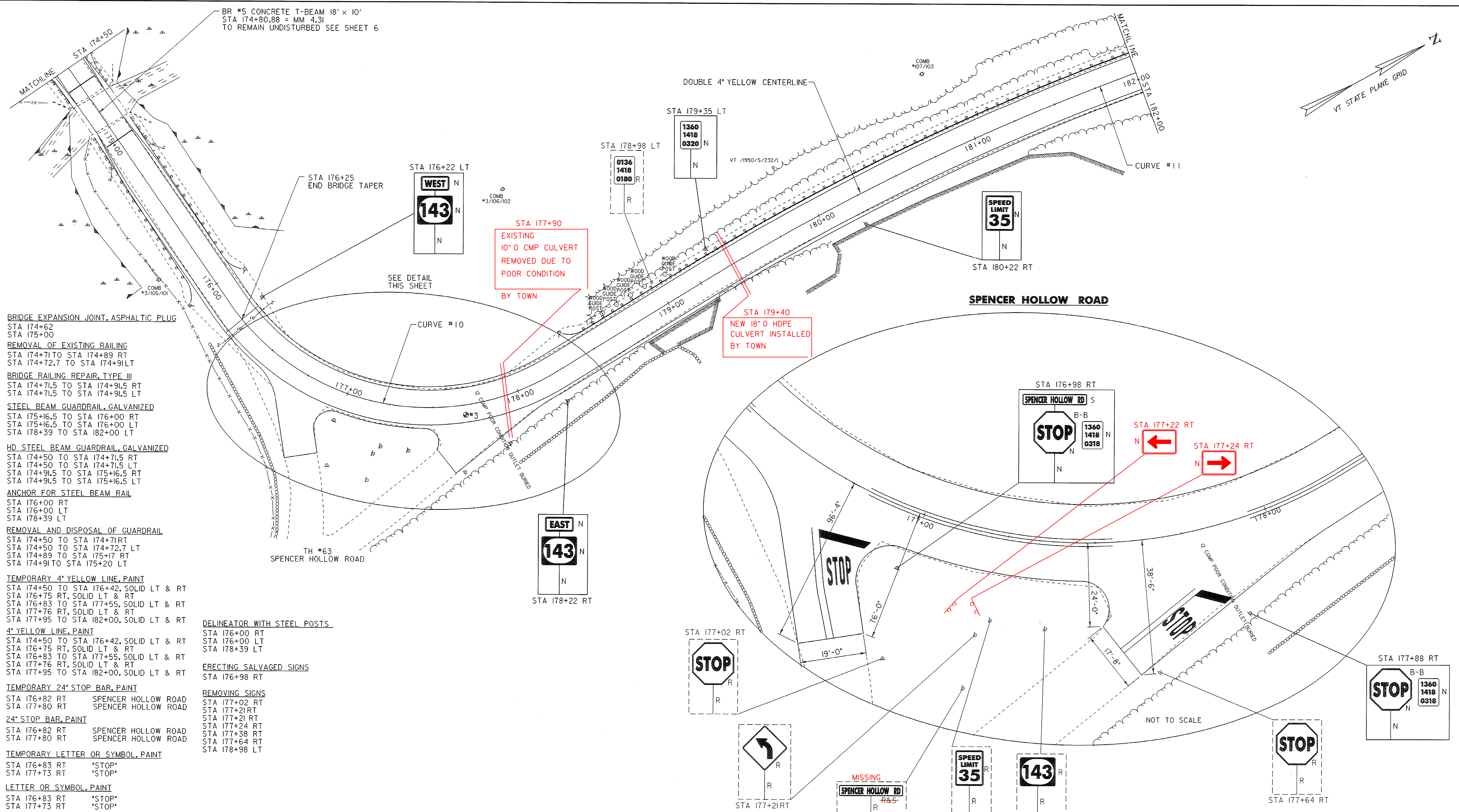
- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
8	6'	NO	RECOVERED 3 1/2" SOLID CORE

**LAYOUT SHEET #15**

PROJECT NAME:	SPRINGFIELD	FILE NAME:	...02c084\...02c084_nul.dgn	PLOT DATE:	06-JAN-2009
PROJECT NUMBER:	STP 0136(1)	PROJECT LEADER:	K. UPMAL	DRAWN BY:	B. KIPP\N. PAPPAS
		DESIGNED BY:	B. KIPP\N. PAPPAS	CHECKED BY:	N. PAPPAS
		IPARM FILE NAME:	02c084_lay_15	SHEET	28 OF 68

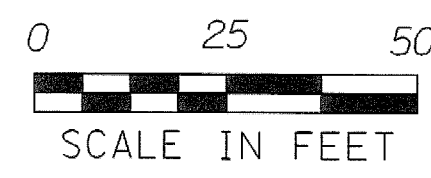


- BRIDGE EXPANSION JOINT, ASPHALTIC PLUG  
STA 174+62  
STA 175+00
- REMOVAL OF EXISTING RAILING  
STA 174+71.0 TO STA 174+89 RT  
STA 174+72.7 TO STA 174+91LT
- BRIDGE RAILING REPAIR, TYPE III  
STA 174+71.5 TO STA 174+91.5 RT  
STA 174+71.5 TO STA 174+91.5 LT
- STEEL BEAM GUARDRAIL, GALVANIZED  
STA 175+16.5 TO STA 176+00 RT  
STA 175+16.5 TO STA 176+00 LT  
STA 178+39 TO STA 182+00 LT
- HD STEEL BEAM GUARDRAIL, GALVANIZED  
STA 174+50 TO STA 174+71.5 RT  
STA 174+50 TO STA 174+71.5 LT  
STA 174+91.5 TO STA 175+16.5 RT  
STA 174+91.5 TO STA 175+16.5 LT
- ANCHOR FOR STEEL BEAM RAIL  
STA 176+00 RT  
STA 176+00 LT  
STA 178+39 LT
- REMOVAL AND DISPOSAL OF GUARDRAIL  
STA 174+50 TO STA 174+71RT  
STA 174+50 TO STA 174+72.7 LT  
STA 174+89 TO STA 175+17 RT  
STA 174+91TO STA 175+20 LT
- TEMPORARY 4" YELLOW LINE, PAINT  
STA 174+50 TO STA 176+42, SOLID LT & RT  
STA 176+75 RT, SOLID LT & RT  
STA 176+83 TO STA 177+55, SOLID LT & RT  
STA 177+76 RT, SOLID LT & RT  
STA 177+95 TO STA 182+00, SOLID LT & RT
- 4" YELLOW LINE, PAINT  
STA 174+50 TO STA 176+42, SOLID LT & RT  
STA 176+75 RT, SOLID LT & RT  
STA 176+83 TO STA 177+55, SOLID LT & RT  
STA 177+76 RT, SOLID LT & RT  
STA 177+95 TO STA 182+00, SOLID LT & RT
- DELINEATOR WITH STEEL POSTS  
STA 176+00 RT  
STA 176+00 LT  
STA 178+39 LT
- ERECTING SALVAGED SIGNS  
STA 176+98 RT
- REMOVING SIGNS  
STA 177+02 RT  
STA 177+21RT  
STA 177+21 RT  
STA 177+24 RT  
STA 177+38 RT  
STA 177+64 RT  
STA 178+98 LT
- TEMPORARY 24" STOP BAR, PAINT  
STA 176+82 RT SPENCER HOLLOW ROAD  
STA 177+80 RT SPENCER HOLLOW ROAD
- 24" STOP BAR, PAINT  
STA 176+82 RT SPENCER HOLLOW ROAD  
STA 177+80 RT SPENCER HOLLOW ROAD
- TEMPORARY LETTER OR SYMBOL, PAINT  
STA 176+83 RT \*STOP\*  
STA 177+73 RT \*STOP\*
- LETTER OR SYMBOL, PAINT  
STA 176+83 RT \*STOP\*  
STA 177+73 RT \*STOP\*

**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



PAVEMENT CORES

NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
3	5'	YES	NO

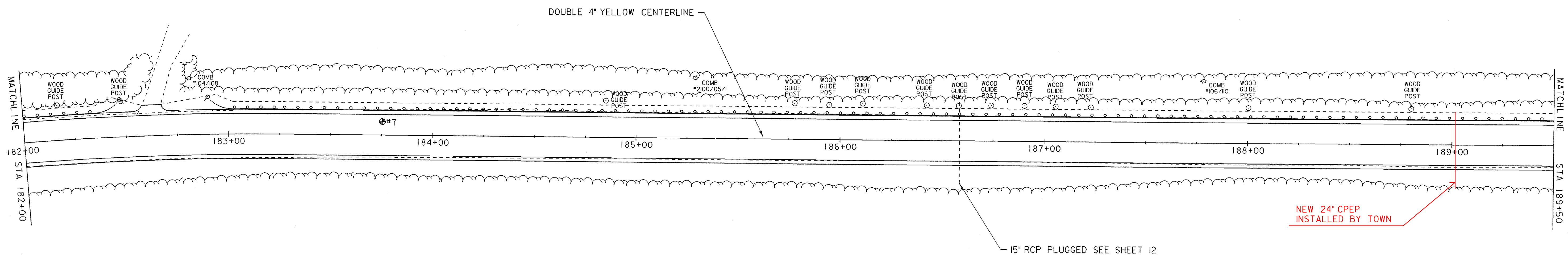
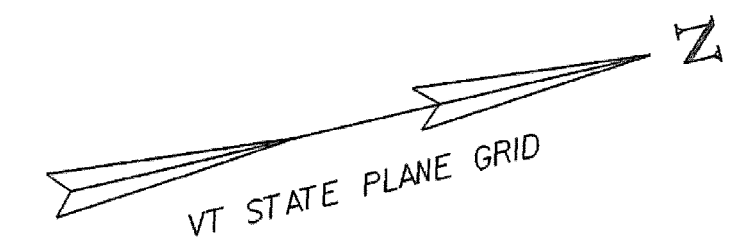
**LAYOUT SHEET #16**

PROJECT NAME: **SPRINGFIELD**  
PROJECT NUMBER: **STP 0136(I)**

FILE NAME: ...02C084\...02C084\_nul.dgn  
PROJECT LEADER: K. UPMAL  
DESIGNED BY: B. KIPP\N. PAPPAS  
IPARM FILE NAME: 02c084\_lay\_16

PLOT DATE: 06-JAN-2009  
DRAWN BY: B. KIPP\N. PAPPAS  
CHECKED BY: N. PAPPAS  
SHEET 29 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 182+00 TO STA 189+50, SOLID LT & RT  
4" YELLOW LINE, PAINT  
 STA 182+00 TO STA 189+50, SOLID LT & RT  
STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 182+00 TO STA 182+46 LT  
 STA 182+91 TO STA 189+50 LT  
ANCHOR FOR STEEL BEAM RAIL  
 STA 182+46 LT  
 STA 182+91 LT  
DELINEATOR WITH STEEL POSTS  
 STA 182+46 LT  
 STA 182+91 LT



DOUBLE 4" YELLOW CENTERLINE

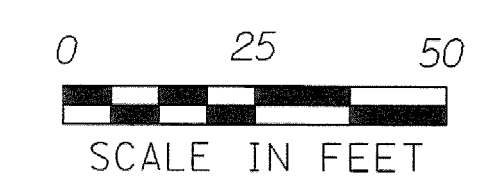
NEW 24" CPEP  
INSTALLED BY TOWN

15" RCP PLUGGED SEE SHEET 12

**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



⊙ PAVEMENT CORES			
NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
7	3 3/4"	YES	NO

**LAYOUT SHEET #17**

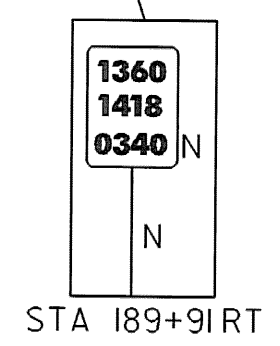
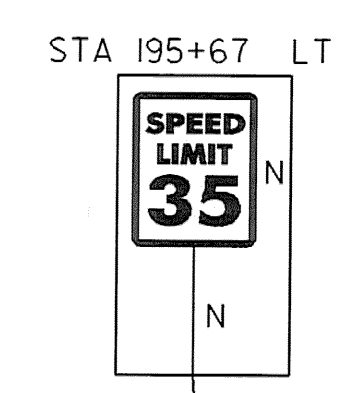
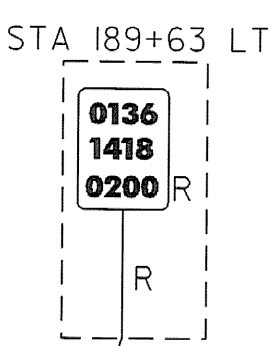
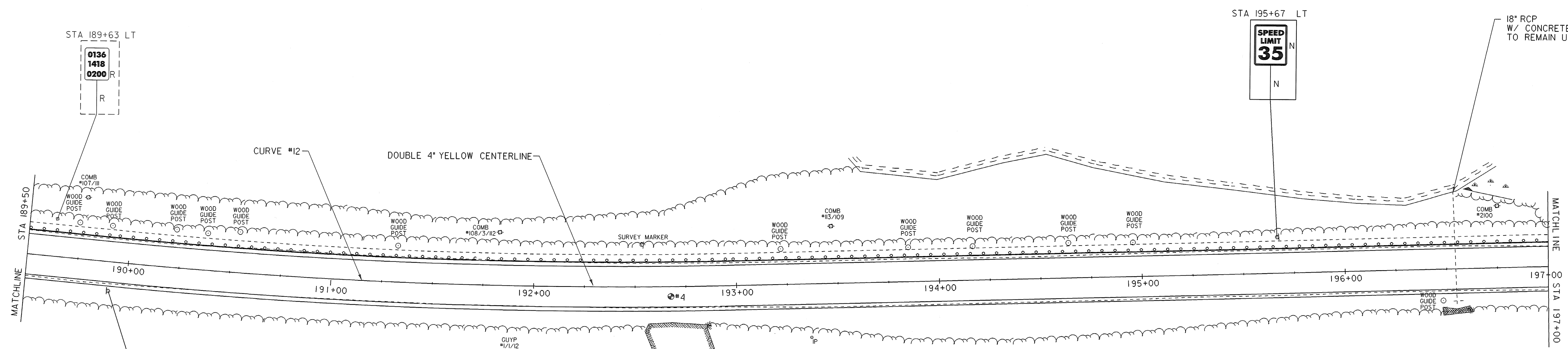
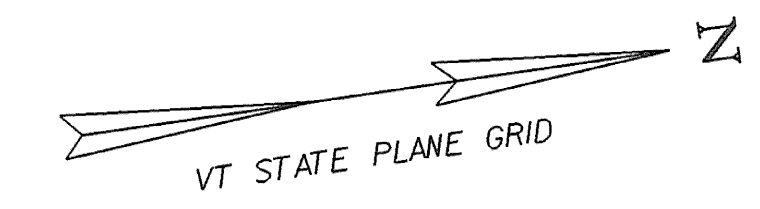
PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(1)
FILE NAME: ...02C084\...02C084_nul.dgn	PLOT DATE: 06-JAN-2009
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N. PAPPAS
DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_17	SHEET 30 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 189+50 TO STA 197+00, SOLID LT & RT

4" YELLOW LINE, PAINT  
 STA 189+50 TO STA 197+00, SOLID LT & RT

REMOVING SIGNS  
 STA 189+63 LT

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 189+50 TO STA 197+00 LT



18" RCP  
 W/ CONCRETE HEADWALL  
 TO REMAIN UNDISTURBED

**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



● PAVEMENT CORES

NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
4	5 1/2"	YES	NO

**LAYOUT SHEET #18**

PROJECT NAME:	SPRINGFIELD	FILE NAME: ...02c084\...02c084_hul.dgn	PLOT DATE: 06-JAN-2009
PROJECT NUMBER:	STP 0136(I)	PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N. PAPPAS
		DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY: N. PAPPAS
		IPARM FILE NAME: 02c084_lay_18	SHEET 31 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 197+00 TO STA 198+53, SOLID LT & RT  
 STA 198+95 TO STA 204+50, SOLID LT & RT  
 STA 198+67 LT, SOLID LT & RT

4" YELLOW LINE, PAINT  
 STA 197+00 TO STA 198+53, SOLID LT & RT  
 STA 198+95 TO STA 204+50, SOLID LT & RT  
 STA 198+67 LT, SOLID LT & RT

REMOVING SIGNS  
 STA 198+80 LT

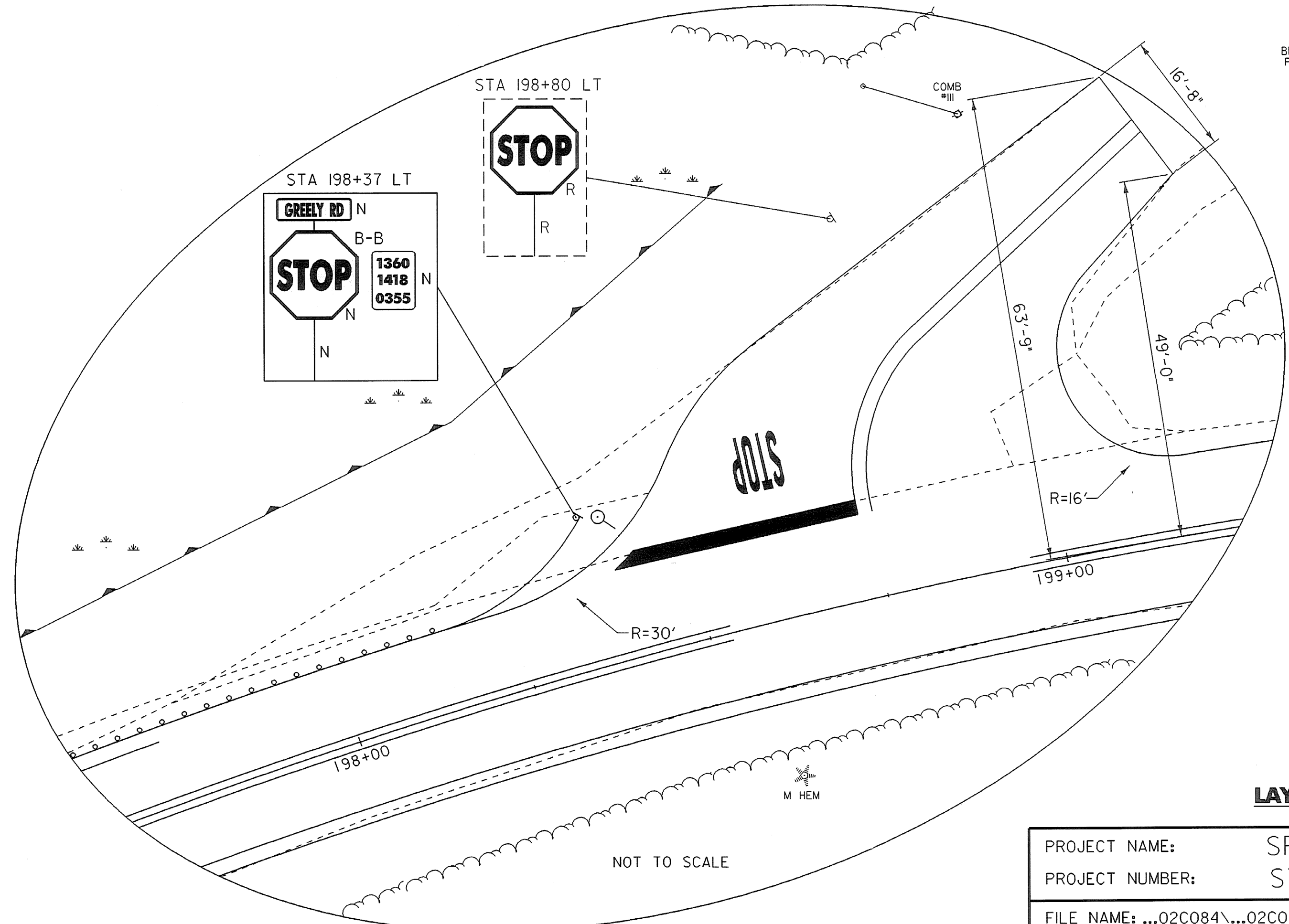
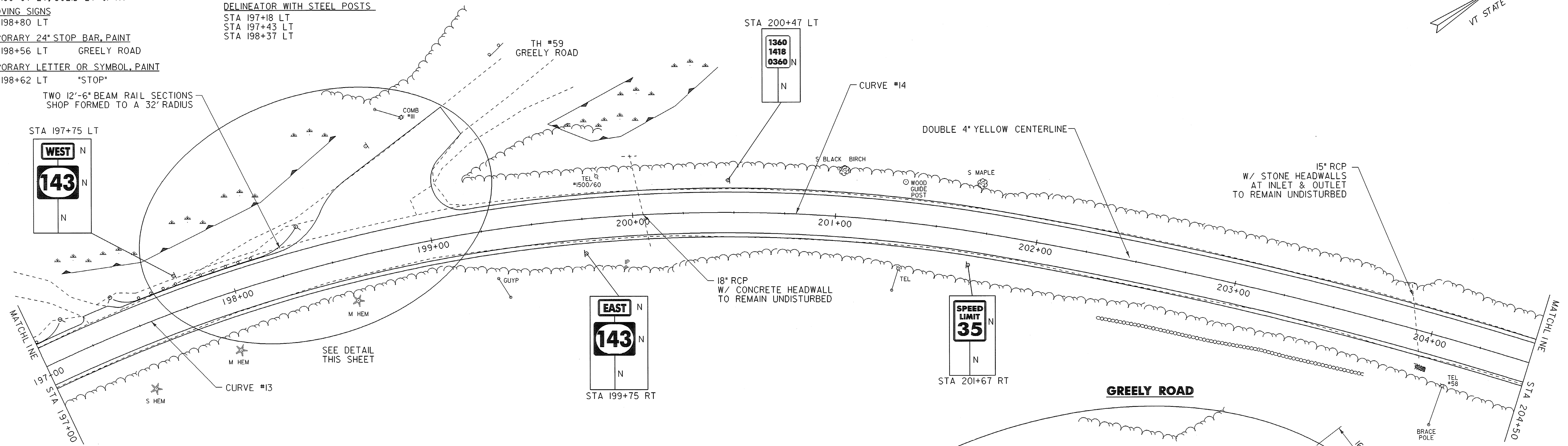
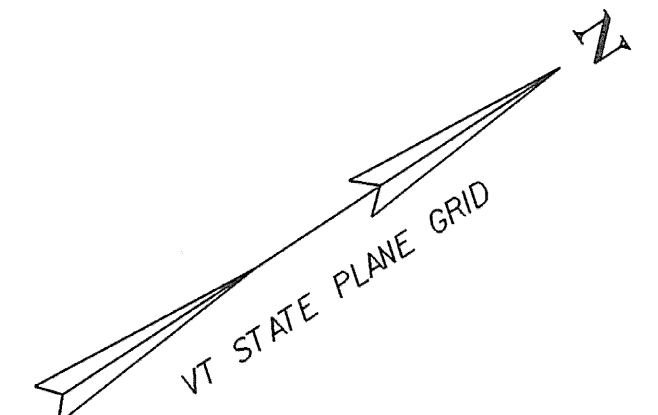
TEMPORARY 24" STOP BAR, PAINT  
 STA 198+56 LT GREELY ROAD

TEMPORARY LETTER OR SYMBOL, PAINT  
 STA 198+62 LT "STOP"

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 197+00 TO STA 197+15 LT  
 STA 197+43 TO STA 198+37 LT

ANCHOR FOR STEEL BEAM RAIL  
 STA 197+18 LT  
 STA 197+43 LT  
 STA 198+37 LT

DELINEATOR WITH STEEL POSTS  
 STA 197+18 LT  
 STA 197+43 LT  
 STA 198+37 LT



**LEGEND**

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

**NOTES:**

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.

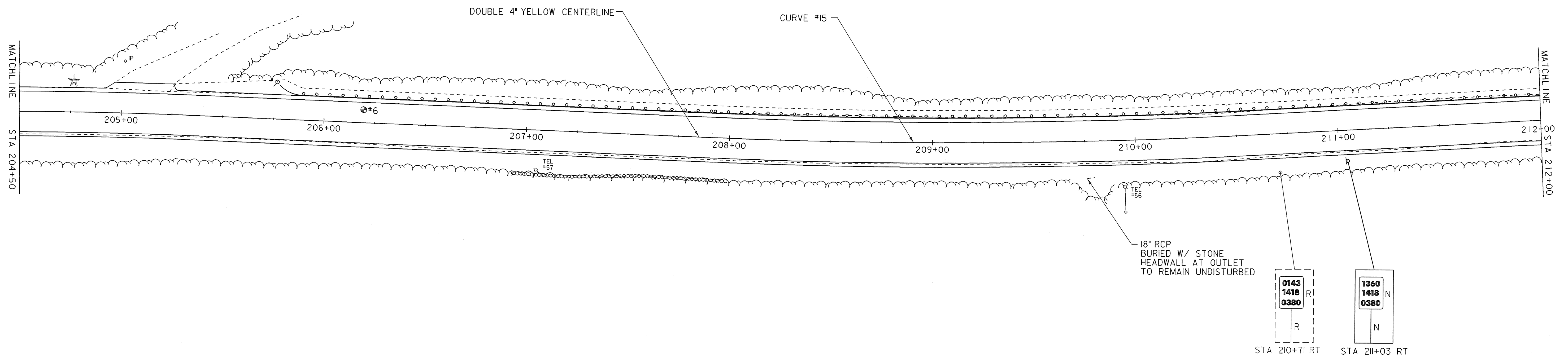
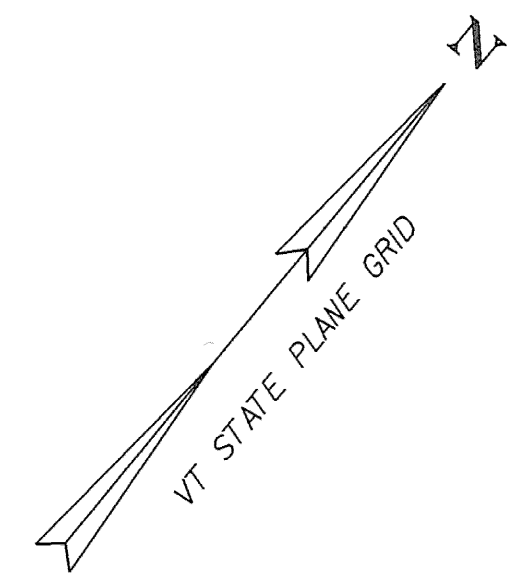


**LAYOUT SHEET #19**

PROJECT NAME: SPRINGFIELD  
 PROJECT NUMBER: STP 0136(1)

FILE NAME: ...02C084...02C084\_nul.dgn PLOT DATE: 06-JAN-2009  
 PROJECT LEADER: K. UPMAL DRAWN BY: B. KIPP\N. PAPPAS  
 DESIGNED BY: B. KIPP\N. PAPPAS CHECKED BY: N. PAPPAS  
 IPARM FILE NAME: 02c084.lay\_19 SHEET 32 OF 68

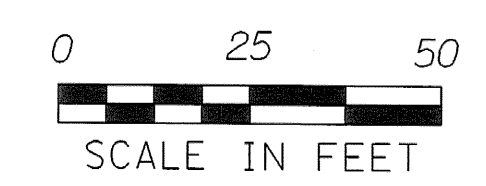
TEMPORARY 4" YELLOW LINE, PAINT  
 STA 204+50 TO STA 212+00, SOLID LT & RT  
 4" YELLOW LINE, PAINT  
 STA 204+50 TO STA 212+00, SOLID LT & RT  
 REMOVING SIGNS  
 STA 210+71 RT  
 STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 205+78 TO STA 212+00 LT  
 ANCHOR FOR STEEL BEAM RAIL  
 STA 205+92 LT  
 DELINEATOR WITH STEEL POSTS  
 STA 205+92 LT



**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



● PAVEMENT CORES

NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
6	5'	YES	NO

**LAYOUT SHEET #20**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02C084\...02C084_nul.dgn	PLOT DATE: 06-JAN-2009
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N. PAPPAS
DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_20	SHEET 33 OF 68

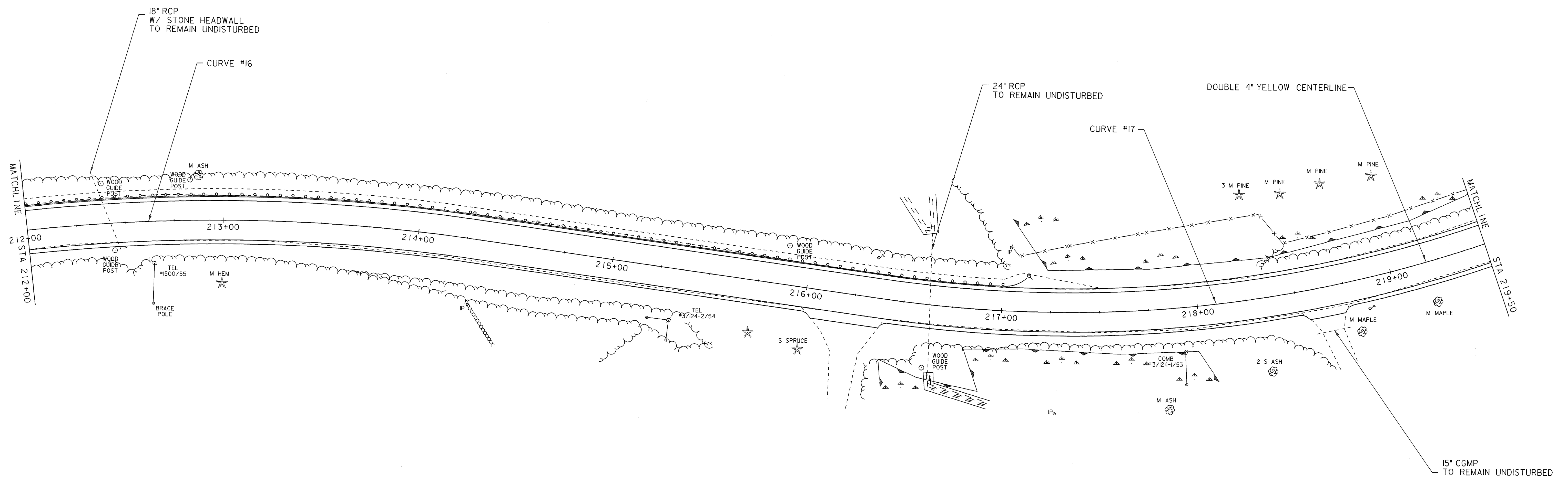
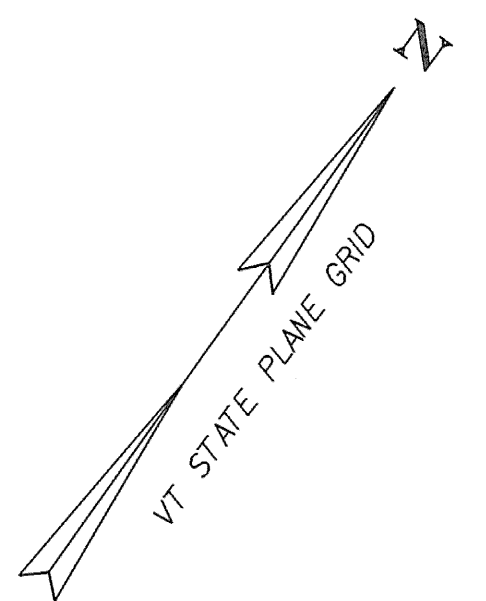
TEMPORARY 4" YELLOW LINE, PAINT  
STA 212+00 TO STA 219+50, SOLID LT & RT

4" YELLOW LINE, PAINT  
STA 212+00 TO STA 219+50, SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED  
STA 212+00 TO STA 217+13 LT

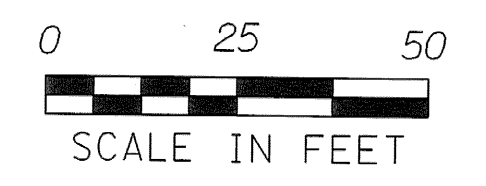
ANCHOR FOR STEEL BEAM RAIL  
STA 217+13 LT

DELINEATOR WITH STEEL POSTS  
STA 217+13 LT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

- NOTES:
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



**LAYOUT SHEET #21**

PROJECT NAME:	SPRINGFIELD	FILE NAME: ...02c084\...02c084_nul.dgn	PLOT DATE: 06-JAN-2009
PROJECT NUMBER:	STP 0136(I)	PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N. PAPPAS
		DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY: N. PAPPAS
		IPARM FILE NAME: 02c084_lay_21	SHEET 34 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 219+50 TO STA 227+00, SOLID LT & RT  
 4" YELLOW LINE  
 STA 219+50 TO STA 227+00, SOLID LT & RT

REMOVING SIGNS  
 STA 220+85 LT  
 STA 222+67 RT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA 225+26 TO STA 227+00 LT

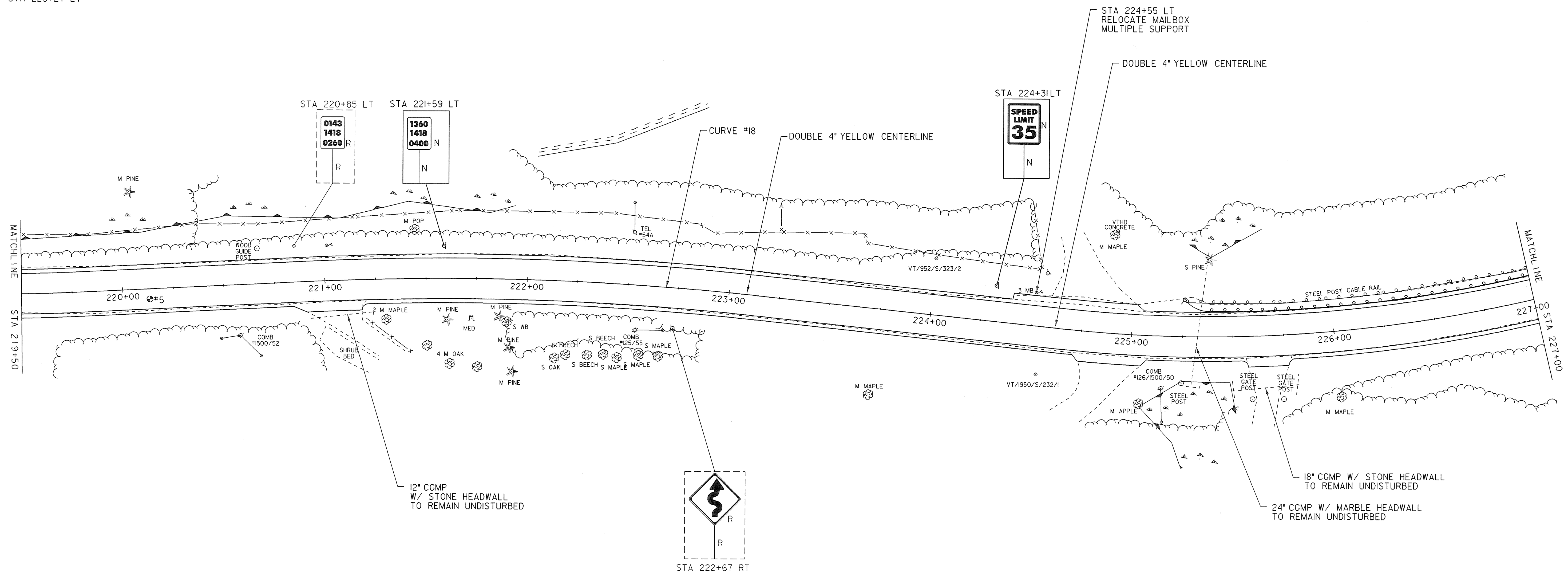
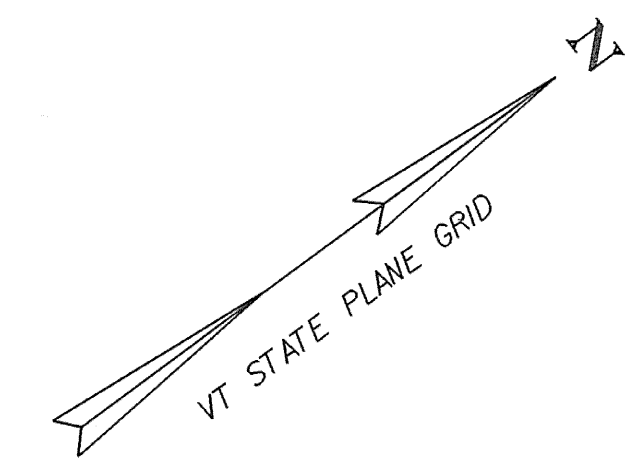
STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 225+27 TO STA 227+00 LT

TIMBER TREATED CURB  
 STA 225+40 TO STA 227+00 LT

RELOCATE MAILBOX, MULTIPLE SUPPORT  
 STA 224+55 LT

DELINEATOR WITH STEEL POSTS  
 STA 225+27 LT

ANCHOR FOR STEEL BEAM RAIL  
 STA 225+27 LT

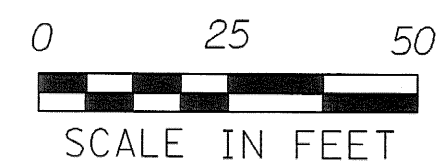


**LEGEND**

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

**NOTES:**

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
5	4'	TOP 2 3/4'	RECOVERED 2 3/4' SOLID CORE

**LAYOUT SHEET #22**

PROJECT NAME:	SPRINGFIELD	FILE NAME: ...02C084...02C084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT NUMBER:	STP 0136(1)	PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPPAN, PAPPAS
		DESIGNED BY: B. KIPPAN, PAPPAS	CHECKED BY: N. PAPPAS
		IPARM FILE NAME: 02c084.lay_22	SHEET 35 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 227+00 TO STA 234+50, SOLID LT & RT

4" YELLOW LINE  
 STA 227+00 TO STA 234+50, SOLID LT & RT

REMOVING SIGNS  
 STA 231+47 RT

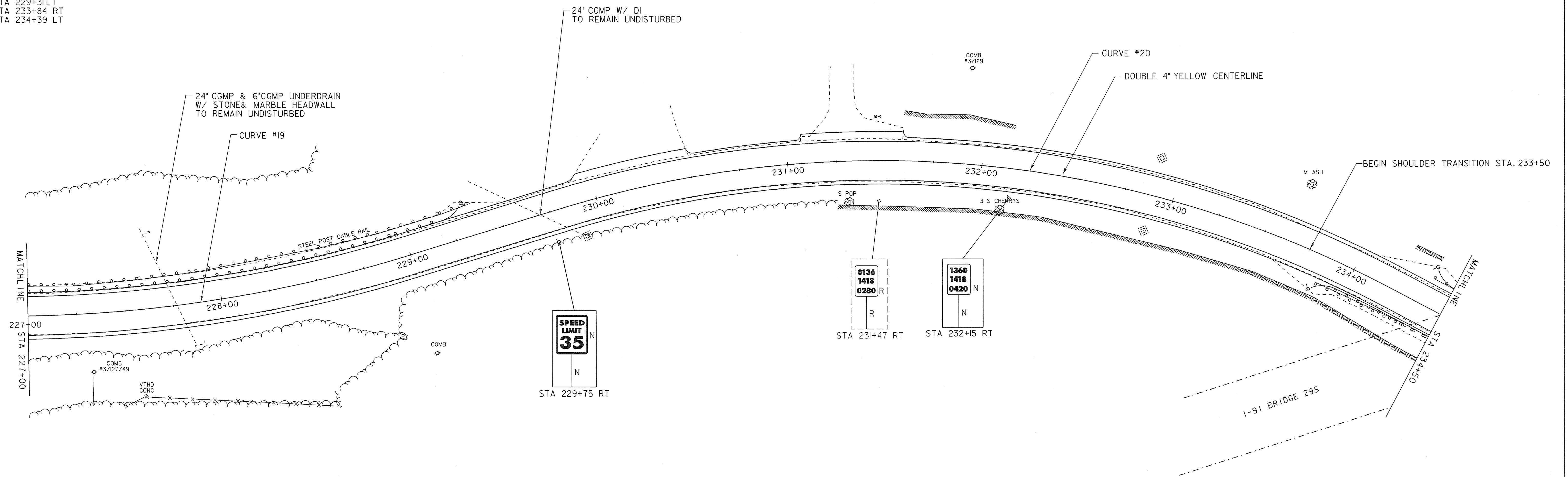
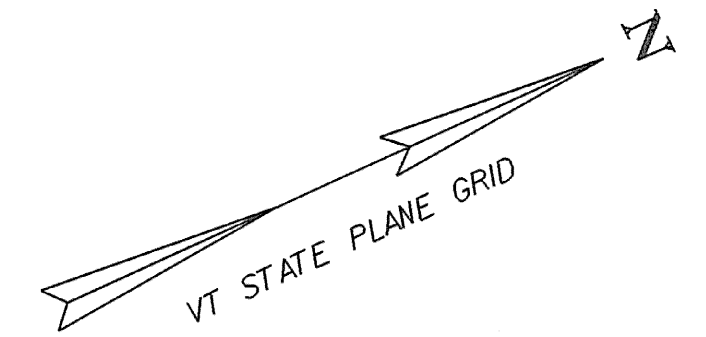
REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA 227+00 TO STA 229+37 LT  
 STA 233+85 TO STA 234+50 RT  
 STA 234+42 TO STA 234+50 LT

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 227+00 TO STA 229+31 LT  
 STA 233+84 TO STA 234+50 RT  
 STA 234+39 TO STA 234+50 LT

TIMBER TREATED CURB  
 STA 227+00 TO STA 229+20 LT

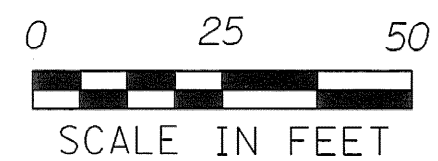
DELINEATOR WITH STEEL POSTS  
 STA 229+31 LT  
 STA 233+84 RT  
 STA 234+39 LT

ANCHOR FOR STEEL BEAM RAIL  
 STA 229+31 LT  
 STA 233+84 RT  
 STA 234+39 LT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

- NOTES:
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



**LAYOUT SHEET #23**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02C084\...02C084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N. PAPPAS
DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_23	SHEET 36 OF 68

TEMPORARY 4" YELLOW LINE PAINT  
 STA 234+50 TO STA 242+00, SOLID LT & RT

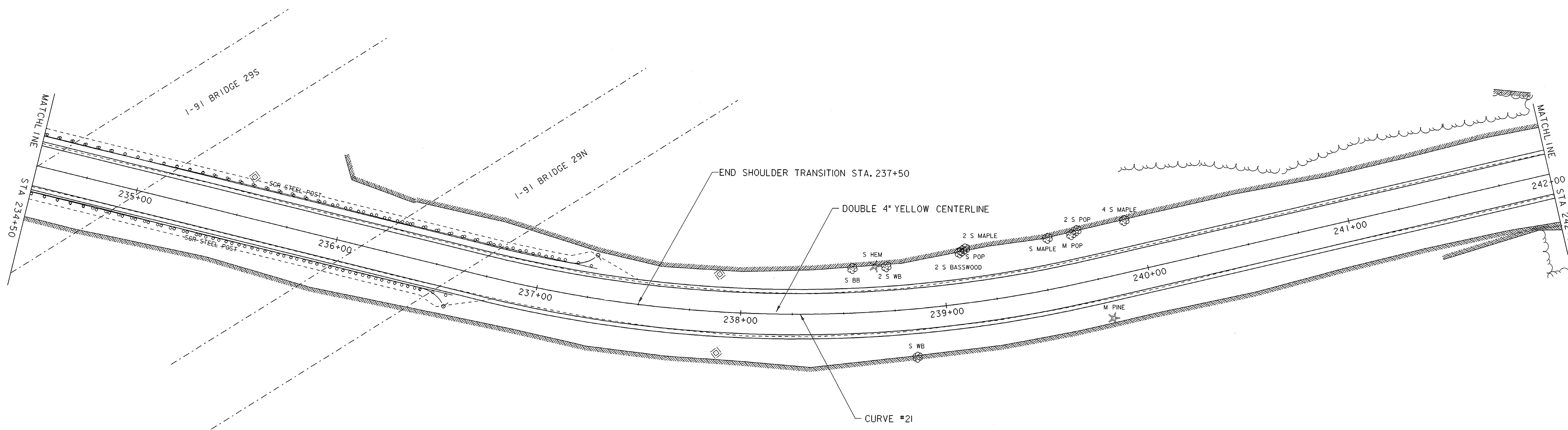
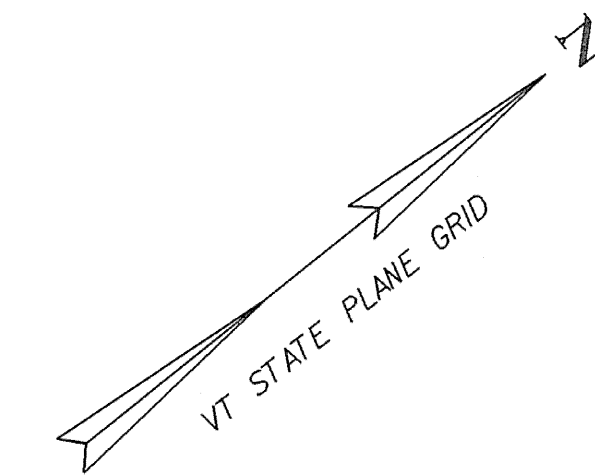
4" YELLOW LINE  
 STA 234+50 TO STA 242+00, SOLID LT & RT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA 234+50 TO STA 237+28 LT  
 STA 234+50 TO STA 236+61 RT

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 234+50 TO STA 236+57 RT  
 STA 234+50 TO STA 237+26 LT

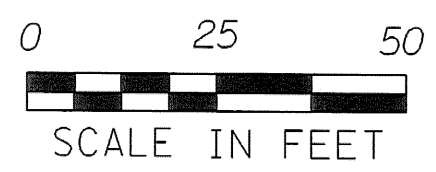
DELINEATOR WITH STEEL POSTS  
 STA 236+57 RT  
 STA 237+26 LT

ANCHOR FOR STEEL BEAM RAIL  
 STA 236+57 RT  
 STA 237+26 LT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

- NOTES:
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



**LAYOUT SHEET #24**

PROJECT NAME:	SPRINGFIELD	PLOT DATE:	30-DEC-2008
PROJECT NUMBER:	STP 0136(1)	DRAWN BY:	B. KIPPAN, PAPPAS
FILE NAME:	...02c084\...02c084_nul.dgn	CHECKED BY:	N. PAPPAS
PROJECT LEADER:	K. UPMAL	IPARM FILE NAME:	02c084_lay_24
DESIGNED BY:	B. KIPPAN, PAPPAS	SHEET	37 OF 68

TEMPORARY 4' YELLOW LINE, PAINT  
 STA 242+00 TO STA 249+50, SOLID LT & RT

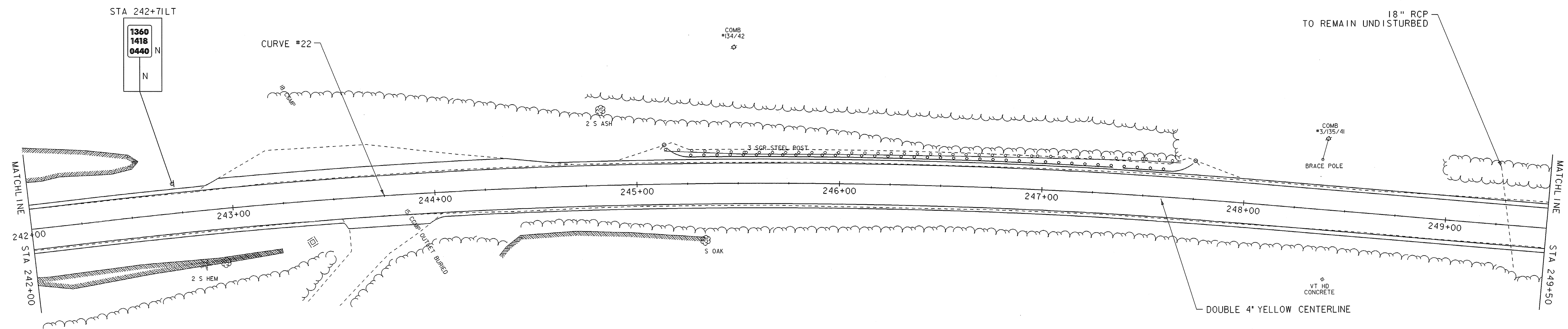
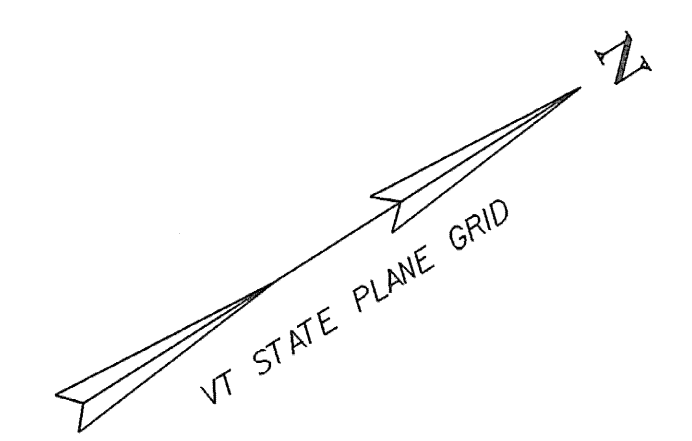
4' YELLOW LINE  
 STA 242+00 TO STA 249+50, SOLID LT & RT

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA 245+14 TO STA 247+68 LT

STEEL BEAM GUARDRAIL, GALVANIZED  
 STA 245+15 TO STA 247+67 LT

DELINEATOR WITH STEEL POSTS  
 STA 245+15 LT  
 STA 247+67 LT

ANCHOR FOR STEEL BEAM RAIL  
 STA 245+15 LT  
 STA 247+67 LT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

- NOTES:
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



**LAYOUT SHEET #25**

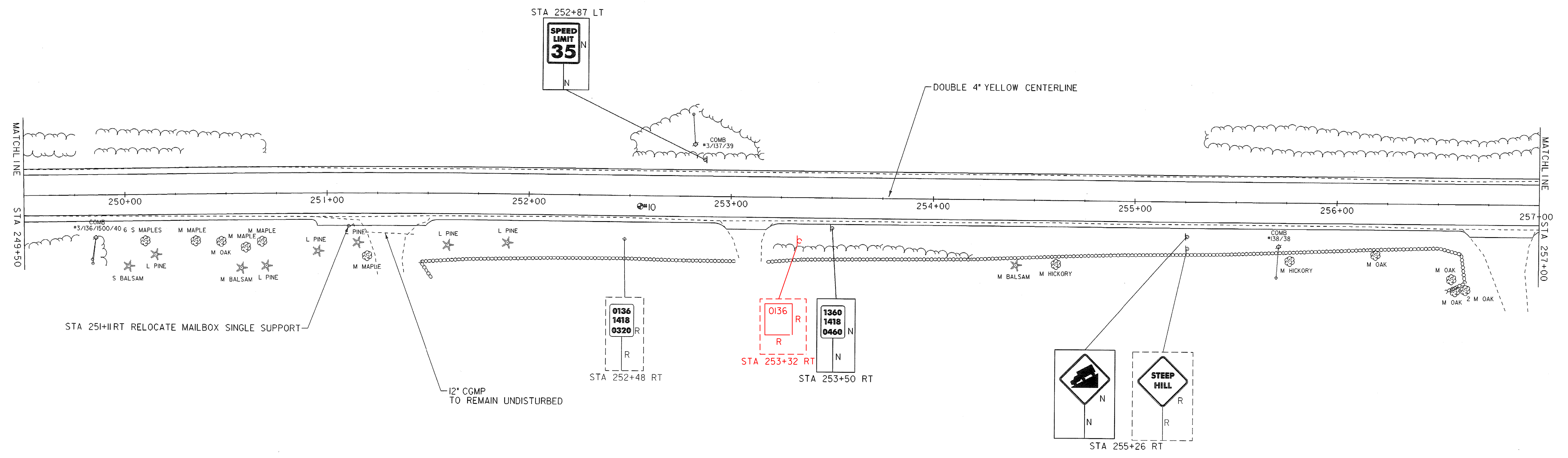
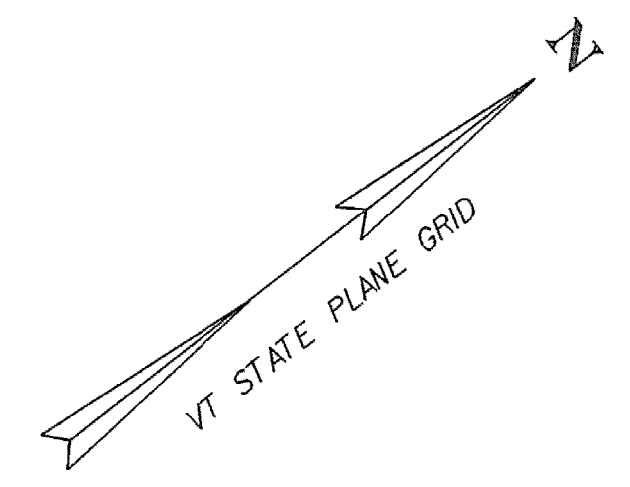
PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02c084\...02c084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N. PAPPAS
DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_25	SHEET 38 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 249+50 TO STA 257+00, SOLID LT & RT

4" YELLOW LINE  
 STA 249+50 TO STA 257+00, SOLID LT & RT

REMOVING SIGNS  
 STA 252+48 RT  
 STA 255+26 RT

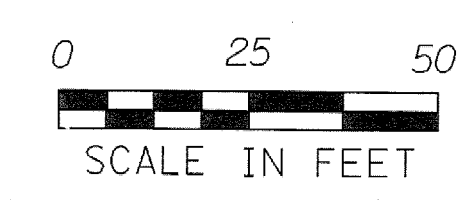
RELOCATE MAILBOX, SINGLE SUPPORT  
 STA 251+11RT



**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



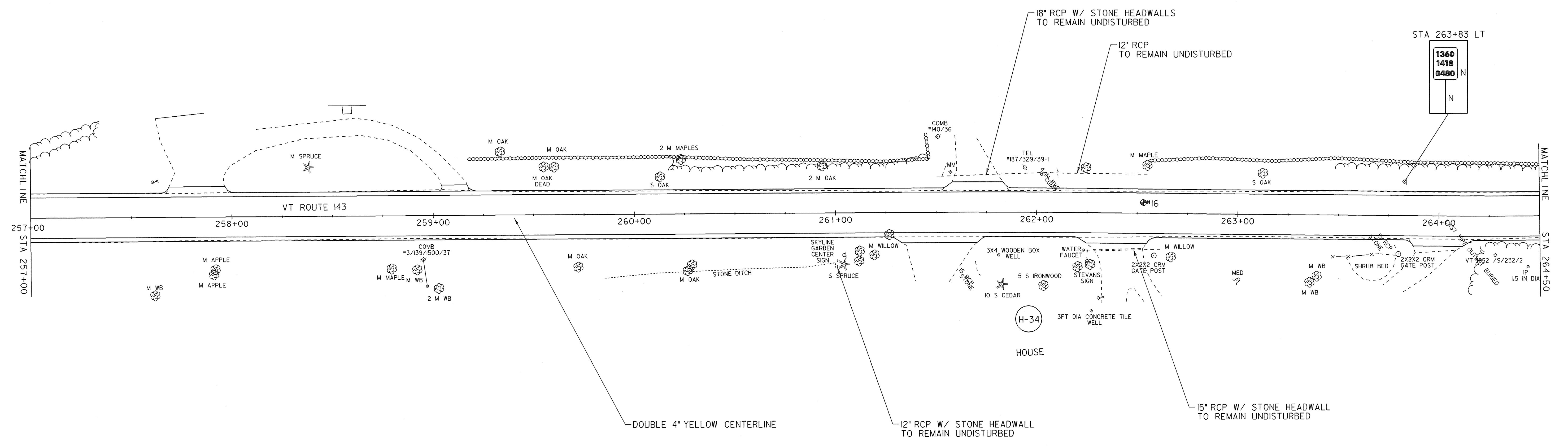
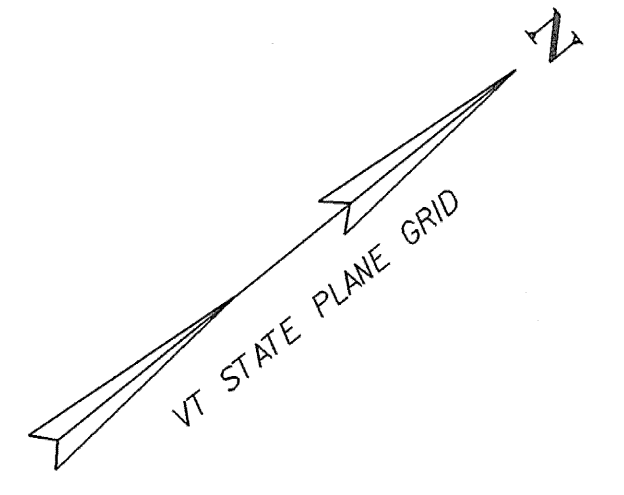
NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
10	4'	YES	NO

**LAYOUT SHEET #26**

PROJECT NAME: **SPRINGFIELD**  
 PROJECT NUMBER: **STP 0136(I)**

FILE NAME: ...02C084\...02C084\_nul.dgn PLOT DATE: 30-DEC-2008  
 PROJECT LEADER: K. UPMAL DRAWN BY: B. KIPP\N. PAPPAS  
 DESIGNED BY: B. KIPP\N. PAPPAS CHECKED BY: N. PAPPAS  
 IPARM FILE NAME: 02c084\_lay\_26 SHEET 39 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 257+00 TO STA 264+50, SOLID LT & RT  
 4" YELLOW LINE  
 STA 257+00 TO STA 264+50, SOLID LT & RT

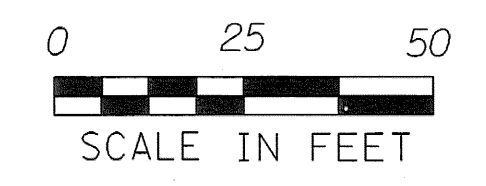


STA 263+83 LT  
 1360  
 1418  
 0480 N  
 N

**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



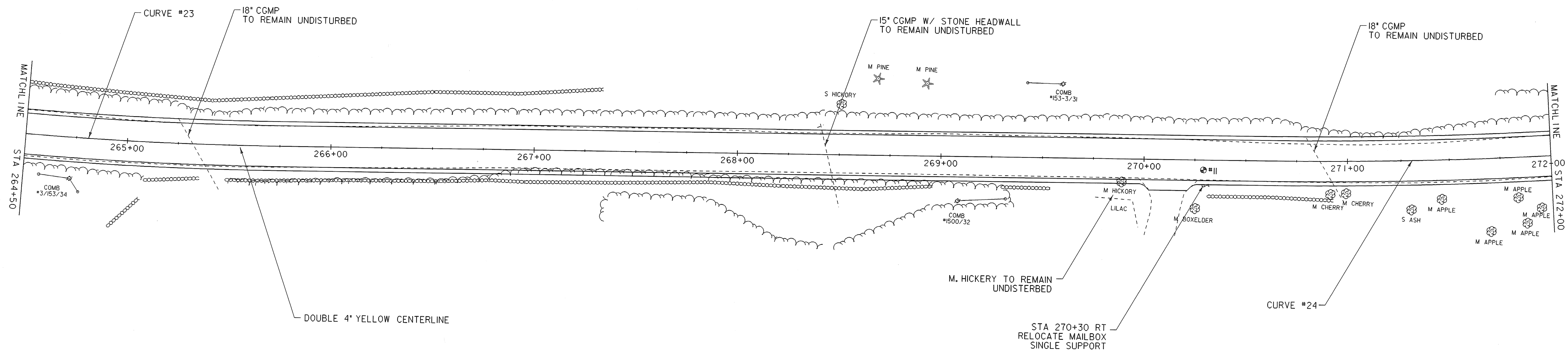
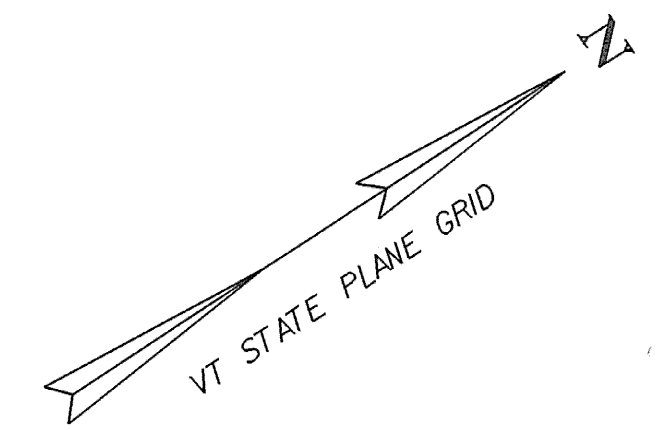
⊕ PAVEMENT CORES

NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
16	6 1/2'	TOP 4 1/2'	NO

**LAYOUT SHEET #27**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02C084\...02C084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N. PAPPAS
DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_27	SHEET 40 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 264+50 TO STA 272+00, SOLID LT & RT  
 4" YELLOW LINE  
 STA 264+50 TO STA 272+00, SOLID LT & RT  
 RELOCATE MAILBOX, SINGLE SUPPORT  
 STA 270+30 RT

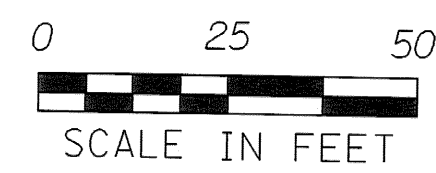


**LEGEND**

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

**NOTES:**

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.

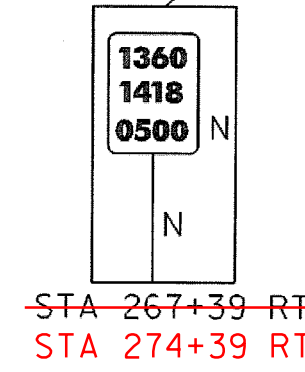
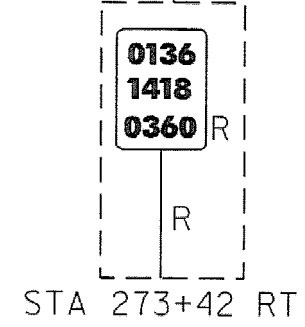
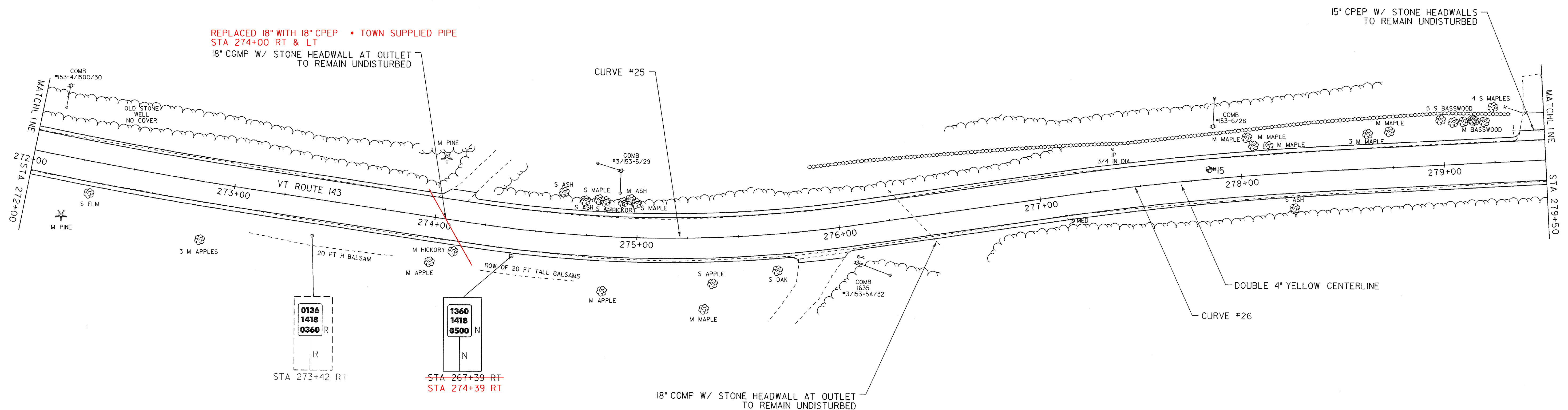
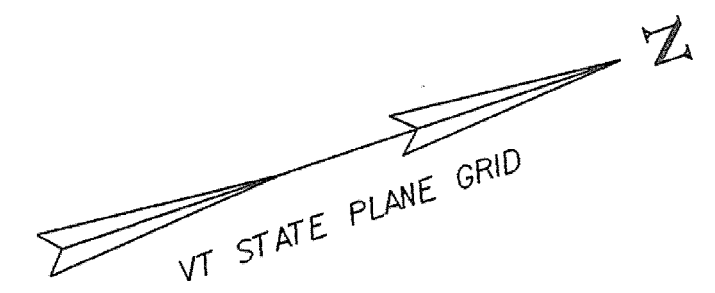


NUMBER	TOTAL DEPTH	PAVEMENT CORES		COMMENTS
		SOLID CORE	YES	
II	5'	YES		NO

**LAYOUT SHEET #28**

PROJECT NAME:	SPRINGFIELD	PLOT DATE:	30-DEC-2008
PROJECT NUMBER:	STP 0136(I)	DRAWN BY:	B. KIPP\N. PAPPAS
FILE NAME:	...02C084\...02C084_nul.dgn	CHECKED BY:	N. PAPPAS
PROJECT LEADER:	K. UPMAL	SHEET	41 OF 68
DESIGNED BY:	B. KIPP\N. PAPPAS		
IPARM FILE NAME:	02c084_lay_28		

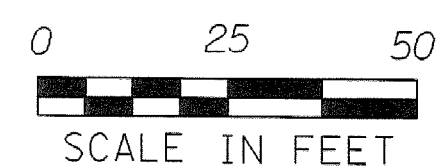
TEMPORARY 4" YELLOW LINE, PAINT  
 STA 272+00 TO STA 279+50, SOLID LT & RT  
 4" YELLOW LINE  
 STA 272+00 TO STA 279+50, SOLID LT & RT  
 REMOVING SIGNS  
 STA 273+42 RT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

NOTES:

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



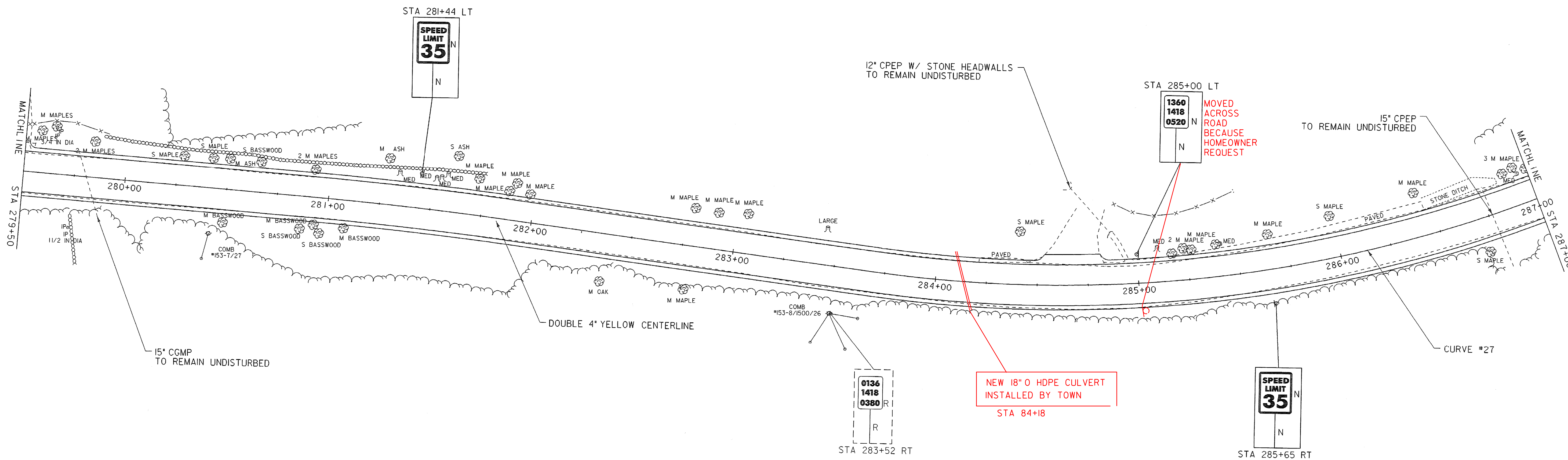
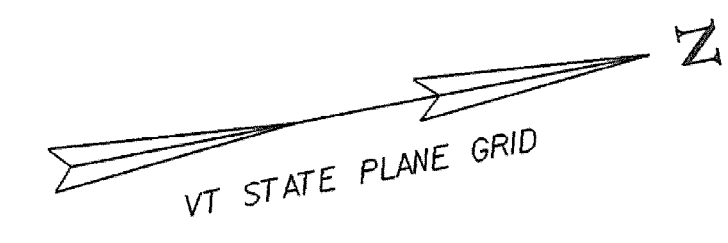
PAVEMENT CORES

TOTAL DEPTH	SOLID CORE	COMMENTS
5 3/8"	YES	AT CULVERT, 15'

LAYOUT SHEET #29

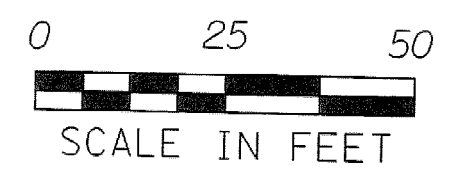
PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02C084\...02C084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N, PAPPAS
DESIGNED BY: B. KIPP\N, PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_29	SHEET 42 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 279+50 TO STA 287+00, SOLID LT & RT  
 4" YELLOW LINE  
 STA 279+50 TO STA 287+00, SOLID LT & RT  
 REMOVING SIGNS  
 STA 283+52 RT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

- NOTES:
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



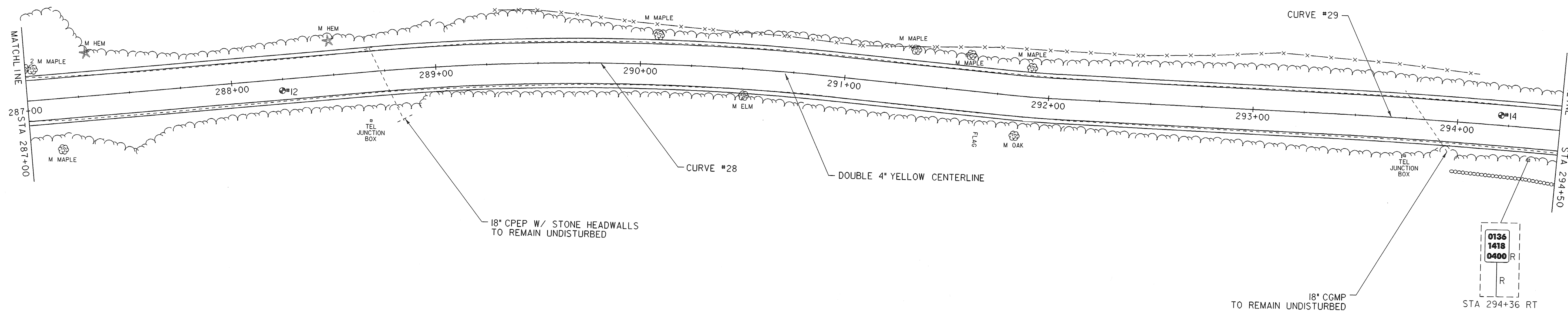
**LAYOUT SHEET #30**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(1)
FILE NAME: ...02C084...02C084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPPAN, PAPPAS
DESIGNED BY: B. KIPPAN, PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_30	SHEET 43 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 287+00 TO STA 294+50, SOLID LT & RT

4" YELLOW LINE  
 STA 287+00 TO STA 294+50, SOLID LT & RT

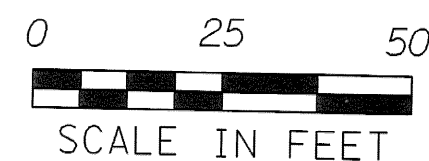
REMOVING SIGNS  
 STA 294+36 RT



**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



PAVEMENT CORES

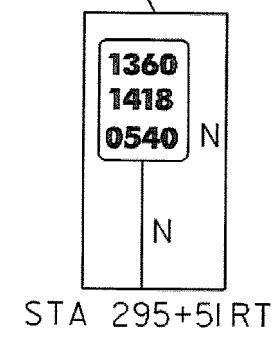
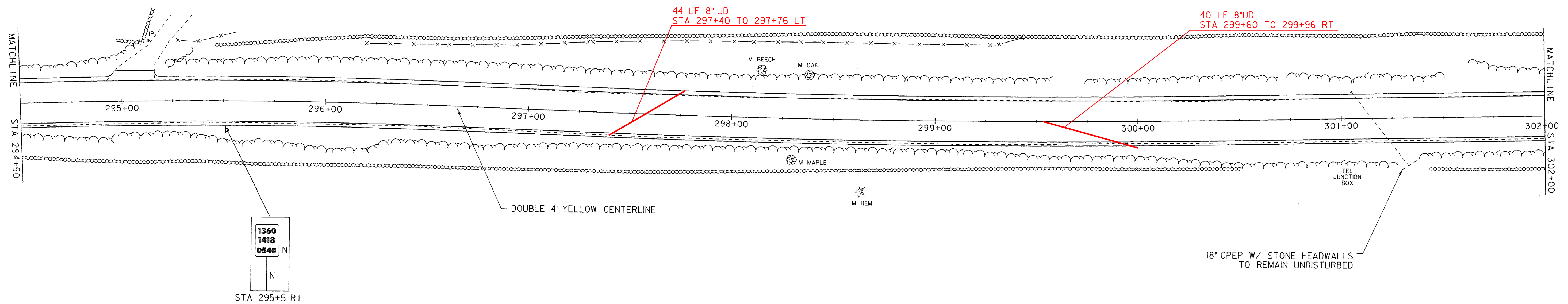
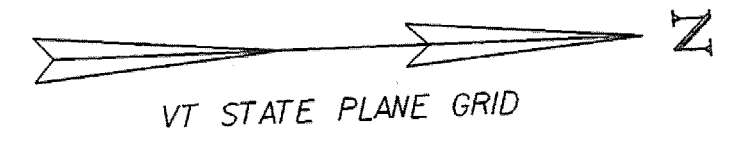
NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
12	8 1/2'	YES	NO
14	7 1/2'	YES	NO

**LAYOUT SHEET #31**

PROJECT NAME:	SPRINGFIELD	
PROJECT NUMBER:	STP 0136(1)	
FILE NAME: ...02C084\...02C084_nul.dgn	PLOT DATE:	30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY:	B. KIPP\N. PAPPAS
DESIGNED BY: B. KIPP\N. PAPPAS	CHECKED BY:	N. PAPPAS
IPARM FILE NAME: 02c084_lay_31	SHEET	44 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 294+50 TO STA 302+00, SOLID LT & RT

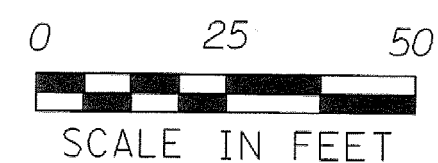
4" YELLOW LINE  
 STA 294+50 TO STA 302+00, SOLID LT & RT



LEGEND	
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

NOTES:

- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
- SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
- WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



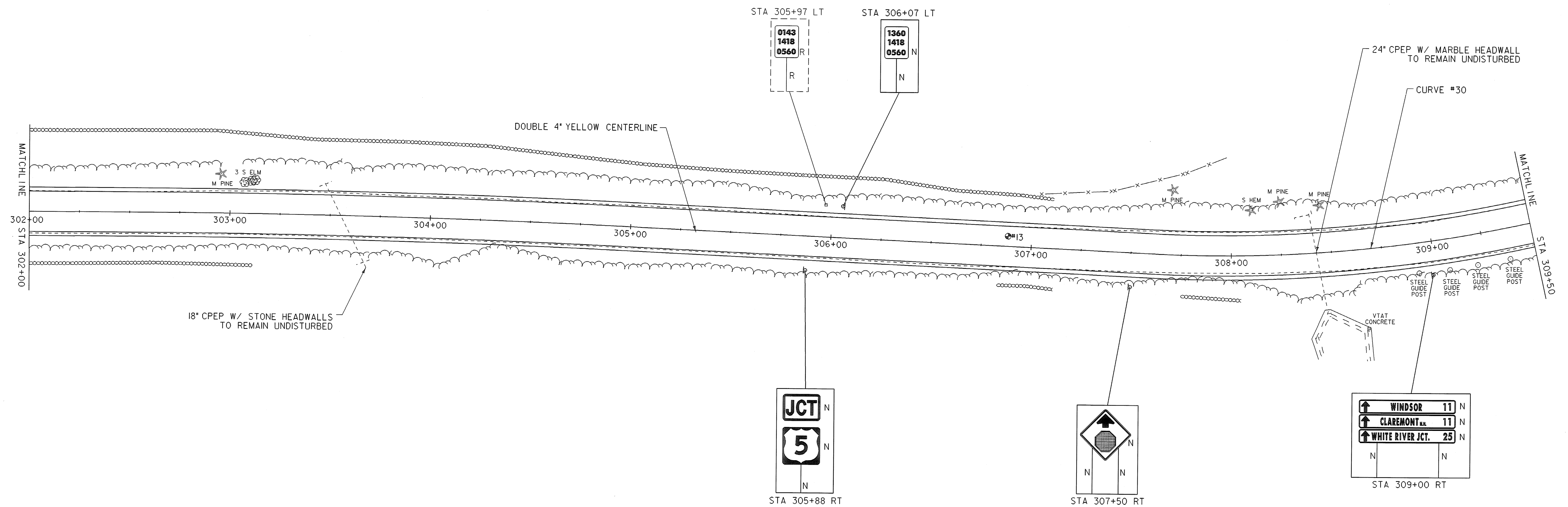
LAYOUT SHEET #32

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(1)
FILE NAME: ...02C084\...02C084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPPAN, PAPPAS
DESIGNED BY: B. KIPPAN, PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_32	SHEET 45 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 302+00 TO STA 309+50, SOLID LT & RT

4" YELLOW LINE  
 STA 302+00 TO STA 309+50, SOLID LT & RT

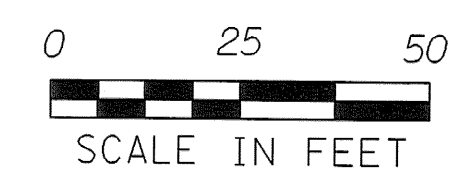
REMOVING SIGNS  
 STA 305+97 LT



**LEGEND**

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

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER, SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



⊕ PAVEMENT CORES

NUMBER	TOTAL DEPTH	SOLID CORE	COMMENTS
13	7"	YES	NO

**LAYOUT SHEET #33**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02c084\...02c084_nul.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP\N, PAPPAS
DESIGNED BY: B. KIPP\N, PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084_lay_33	SHEET 46 OF 68

TEMPORARY 4" YELLOW LINE, PAINT  
 STA 309+50 TO STA 311+72, SOLID LT & RT  
 STA 312+12 TO STA 313+63.61, SOLID LT & RT  
 STA 311+75 RT, SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT

STA 311+93 RT US ROUTE 5  
 STA 312+06 RT US ROUTE 5  
 STA 313+40 RT US ROUTE 5

TEMPORARY LETTER OR SYMBOL, PAINT

STA 311+93 RT \*STOP\*  
 STA 312+06 RT \*STOP\*  
 STA 313+00 RT \*STOP\*

4" YELLOW LINE

STA 309+50 TO STA 311+72, SOLID LT & RT  
 STA 312+12 TO STA 313+63.61, SOLID LT & RT  
 STA 311+75 RT, SOLID LT & RT

24" STOP BAR

STA 311+93 RT US ROUTE 5  
 STA 312+06 RT US ROUTE 5  
 STA 313+40 RT US ROUTE 5

LETTER OR SYMBOL

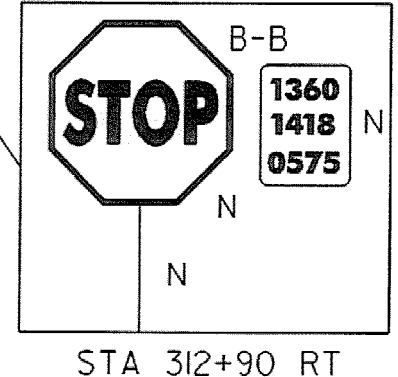
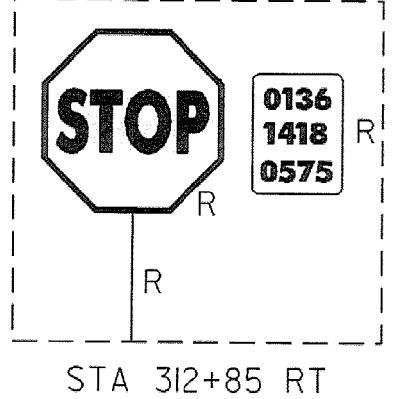
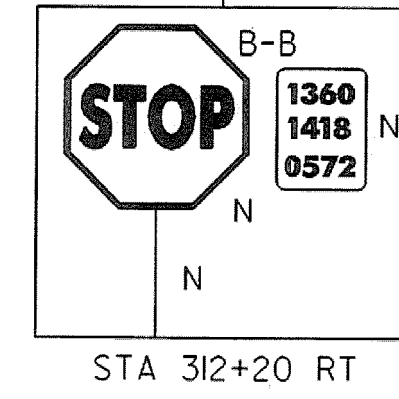
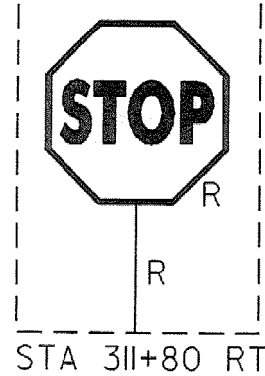
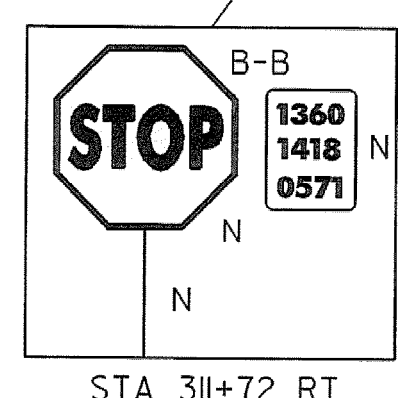
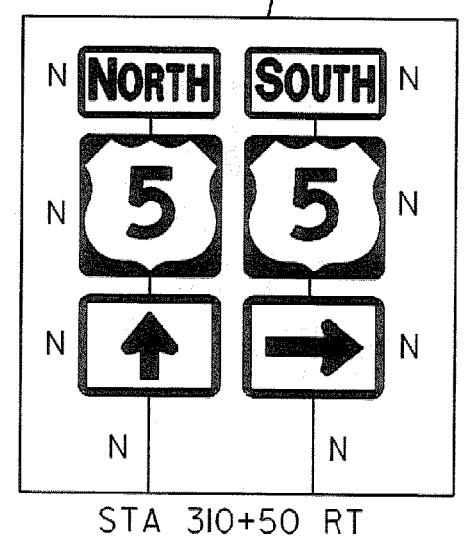
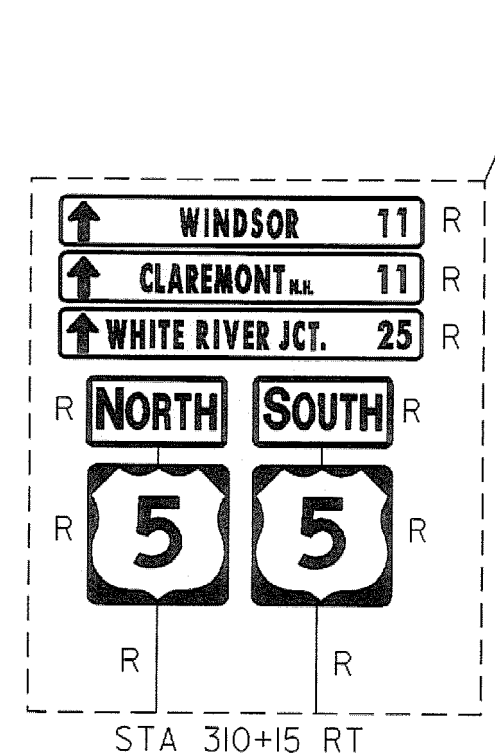
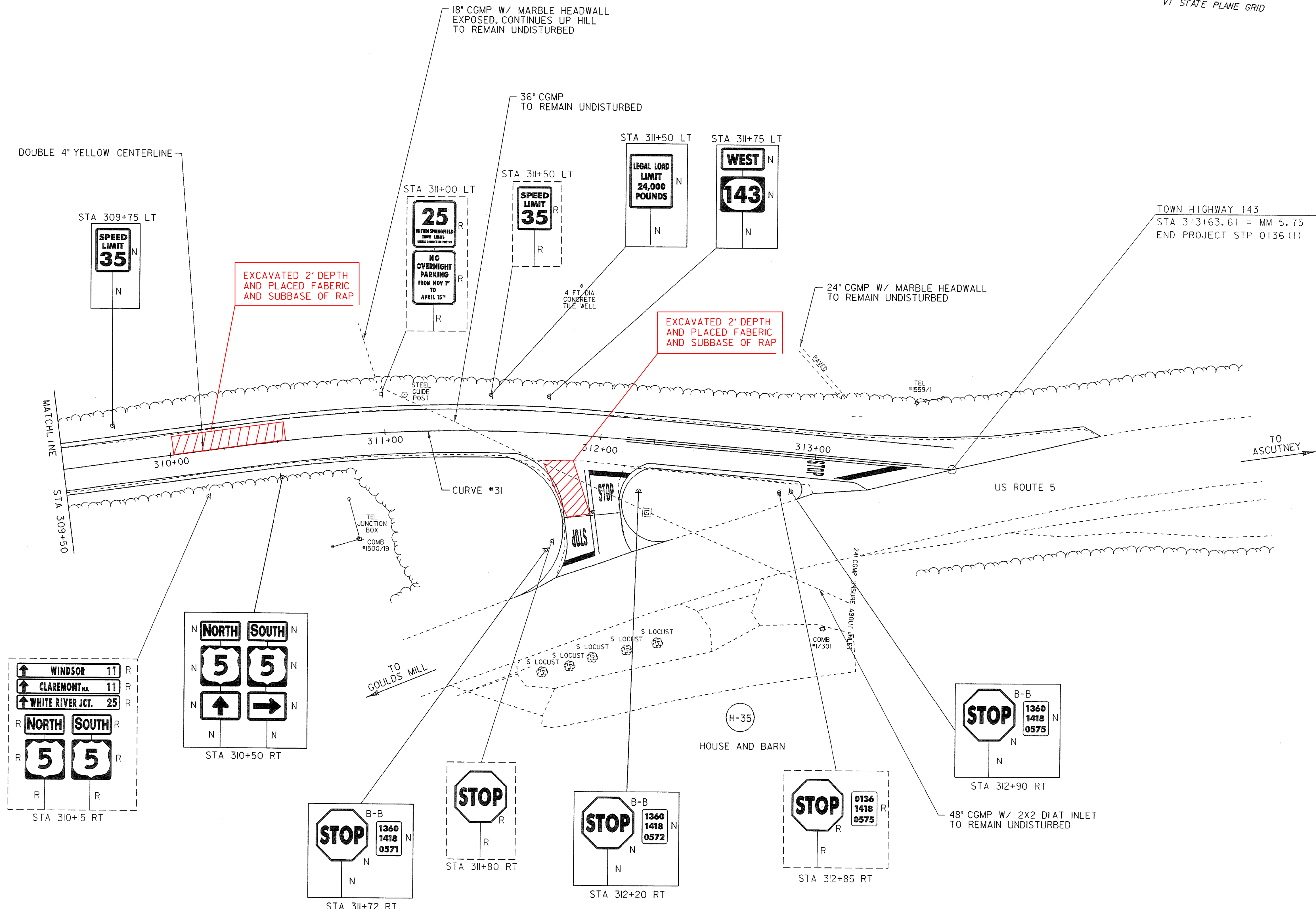
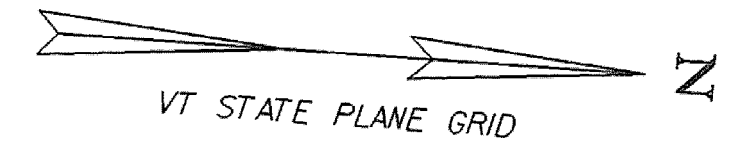
STA 311+93 RT \*STOP\*  
 STA 312+06 RT \*STOP\*  
 STA 313+00 RT \*STOP\*

REMOVING SIGNS

STA 310+15 RT  
 STA 311+00 LT  
 STA 311+50 LT  
 STA 311+80 RT  
 STA 312+85 RT

REMOVAL OF EXISTING PAVEMENT MARKINGS

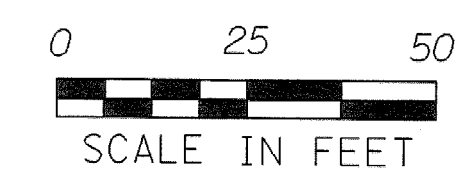
STA 311+93 RT \*STOP\*  
 STA 312+06 RT \*STOP\*



**LEGEND**

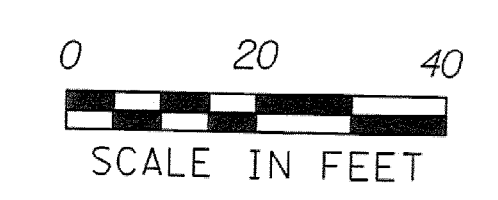
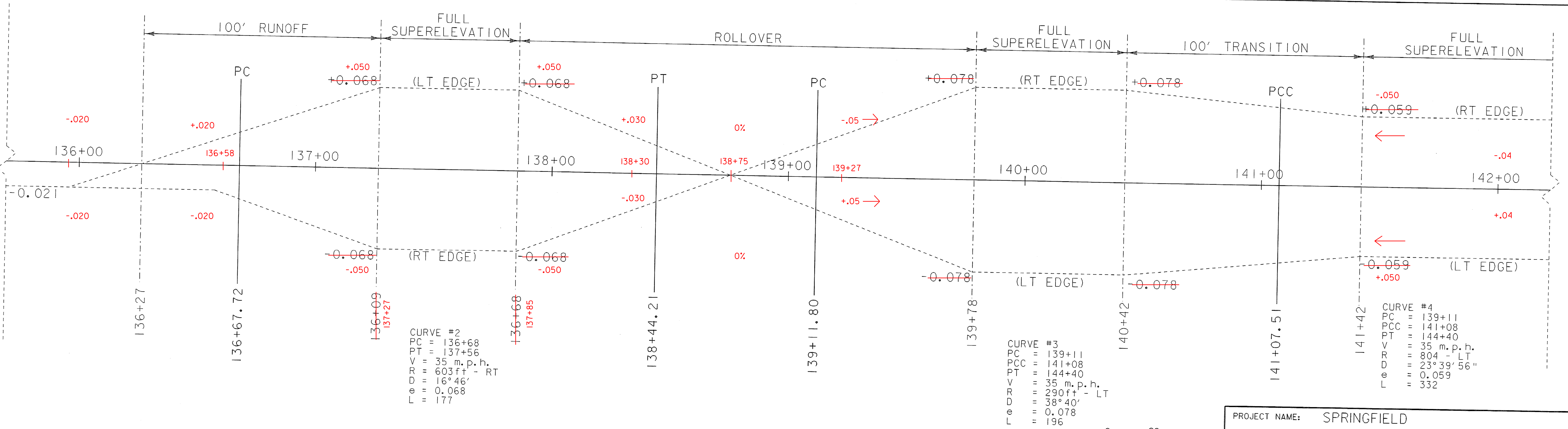
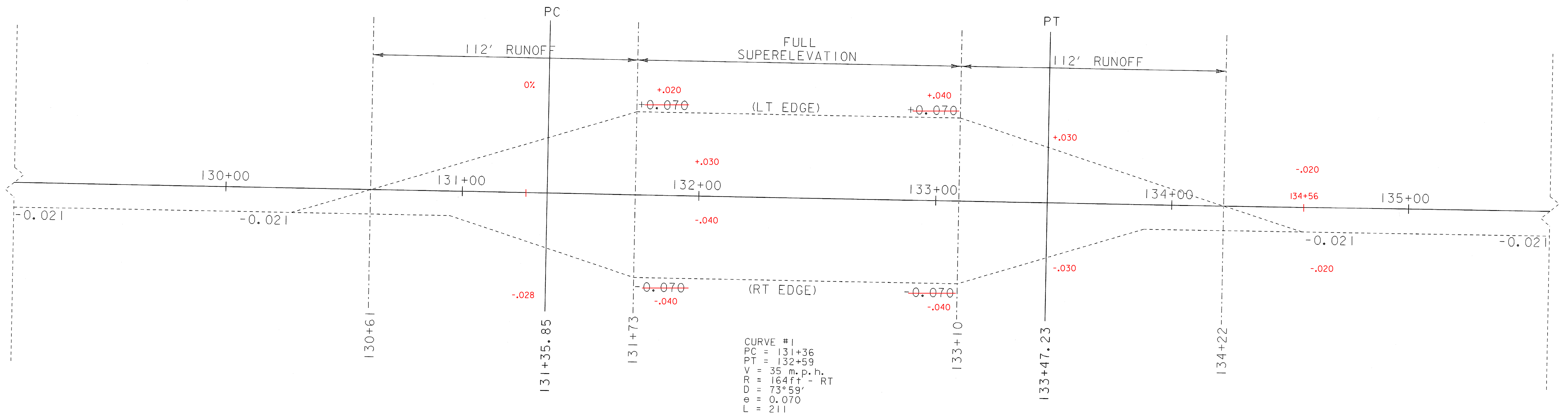
R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE & SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK

- NOTES:**
- EXISTING SHOULDER MATERIAL ON TOWN HIGHWAYS SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE GENERAL NOTE #6 SHEET 3 FOR MORE INFORMATION.
  - SEE SHEET 5 & 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING FOR CULVERT AND UTILITY POLE DETAILS.
  - WHITE LINES SHOWN ON PLANS IS FOR DISPLAY PURPOSES ONLY.



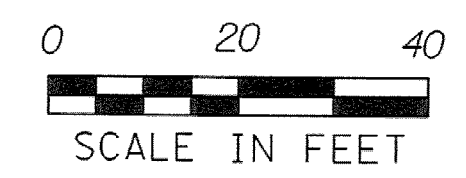
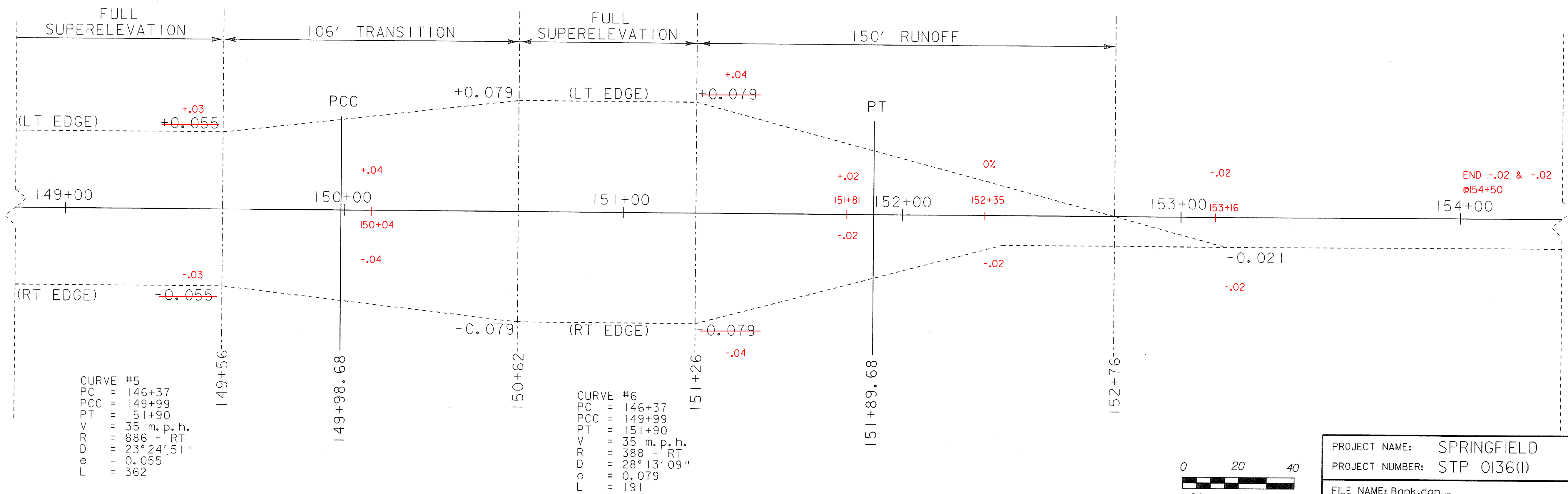
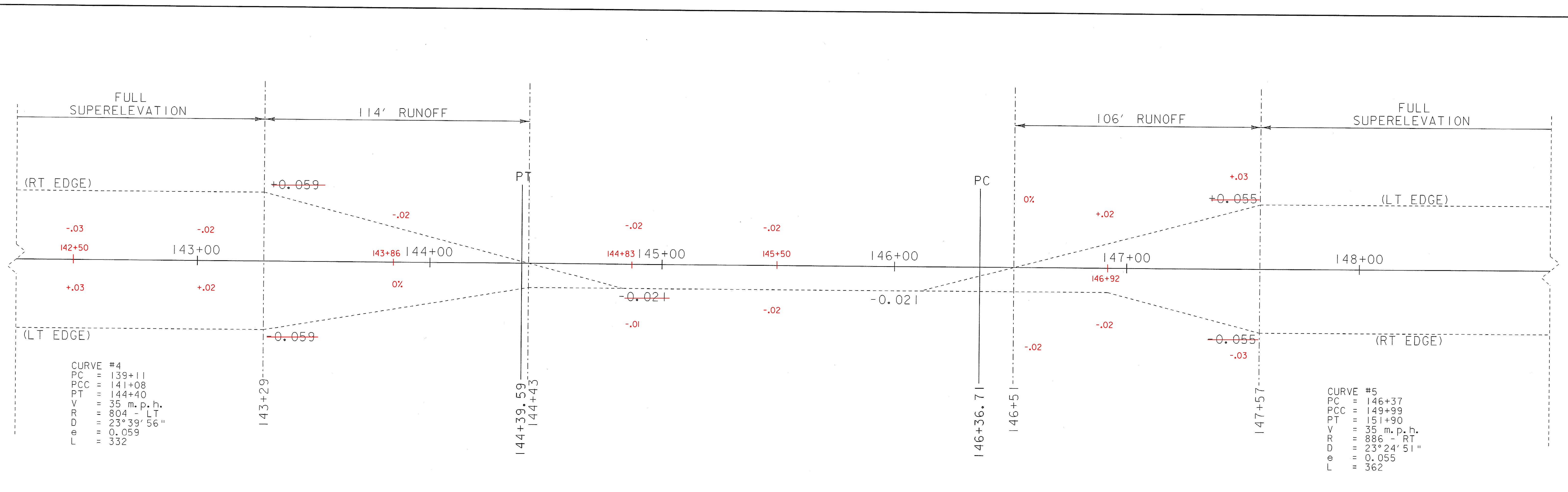
**LAYOUT SHEET #34**

PROJECT NAME:	SPRINGFIELD	FILE NAME:	...02C084...02C084_nul.dgn	PLOT DATE:	30-DEC-2008
PROJECT NUMBER:	STP 0136(I)	PROJECT LEADER:	K. UPMAL	DRAWN BY:	B. KIPP\N. PAPPAS
		DESIGNED BY:	B. KIPP\N. PAPPAS	CHECKED BY:	N. PAPPAS
		IPARM FILE NAME:	02c084_lay_34	SHEET	47 OF 68



PROJECT NAME: SPRINGFIELD  
 PROJECT NUMBER: STP 0136(1)  
 FILE NAME: Bank.dgn  
 PROJECT LEADER: K. UPMAL  
 DESIGNED BY: B. KIPP  
 BANKING DIAGRAM 1

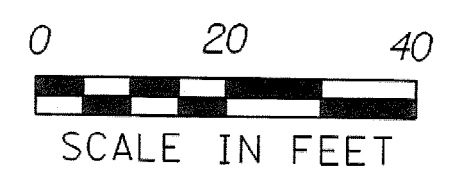
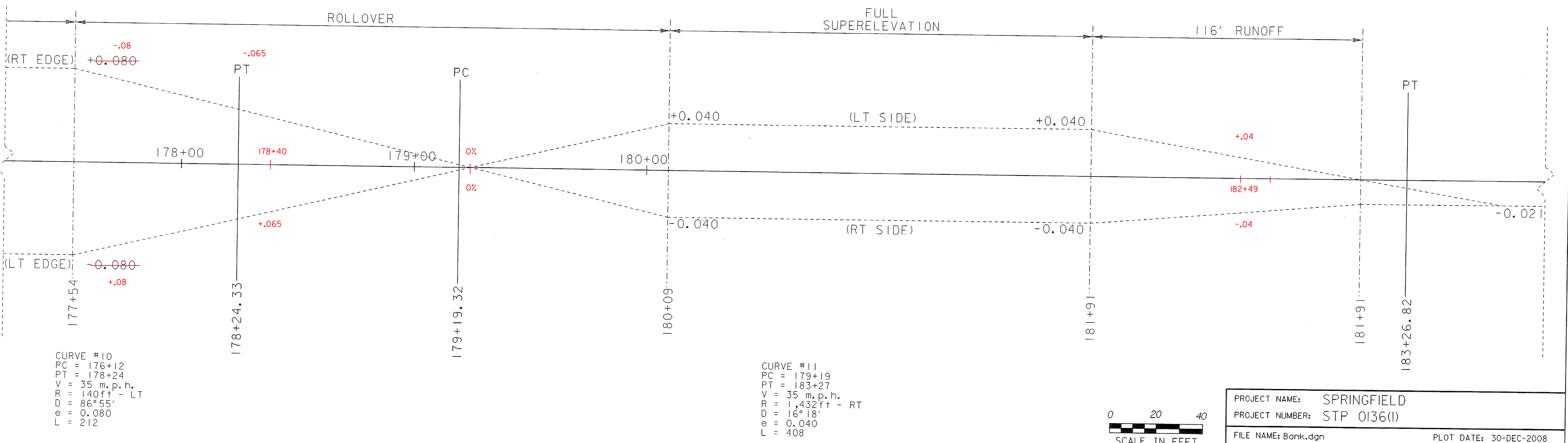
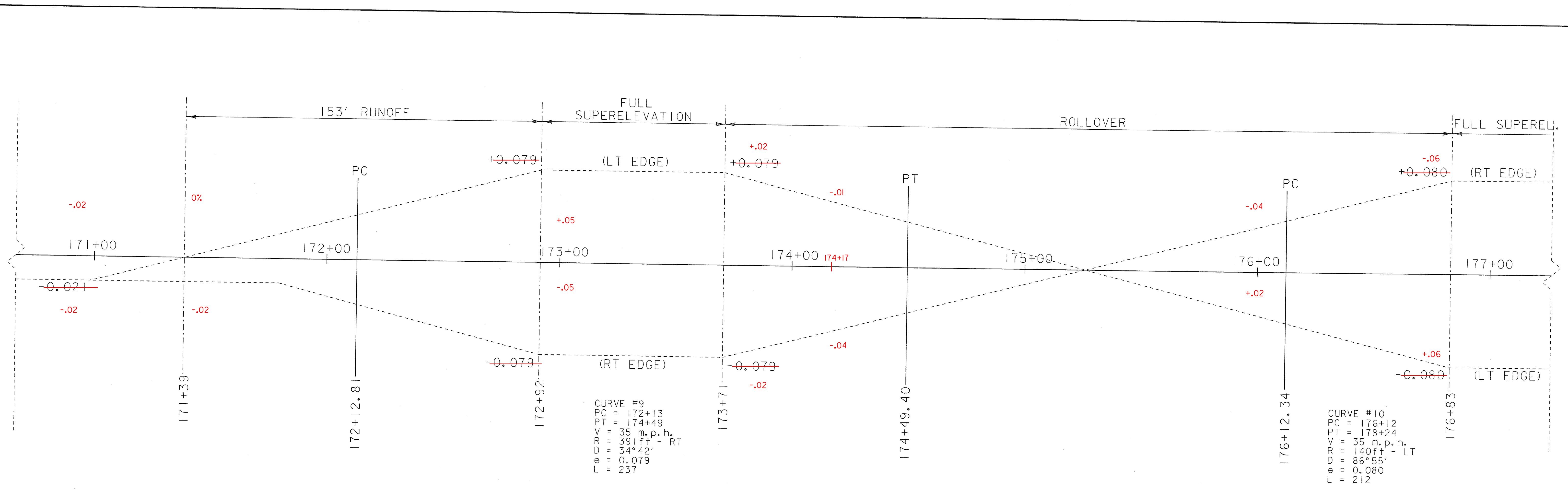
PLOT DATE: 30-DEC-2008  
 DRAWN BY: B. KIPP  
 CHECKED BY: N. PAPPAS  
 SHEET 48 OF 68



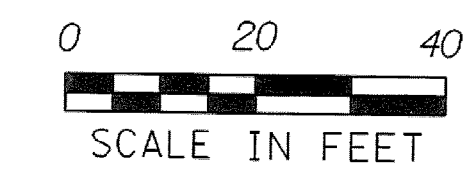
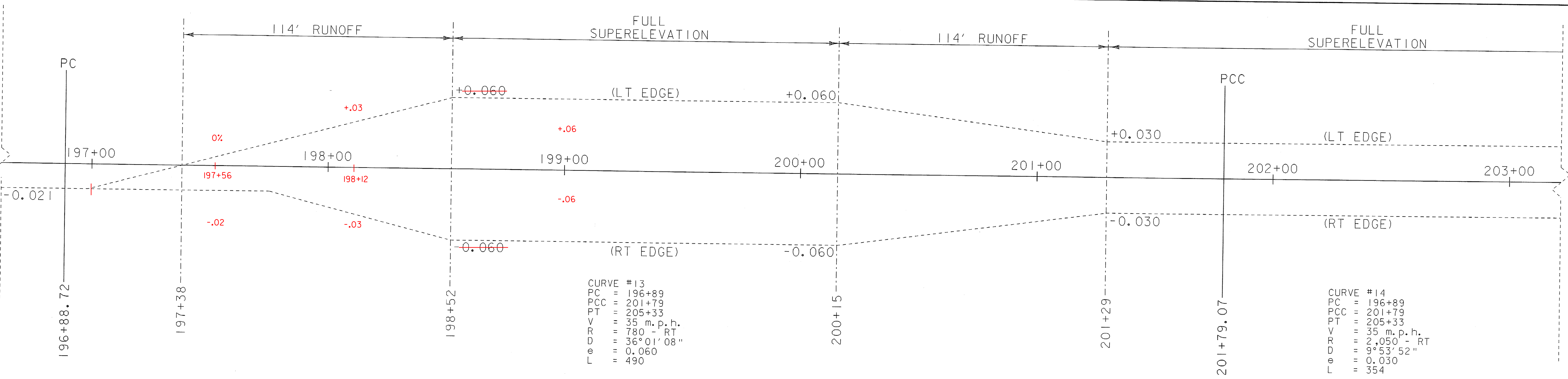
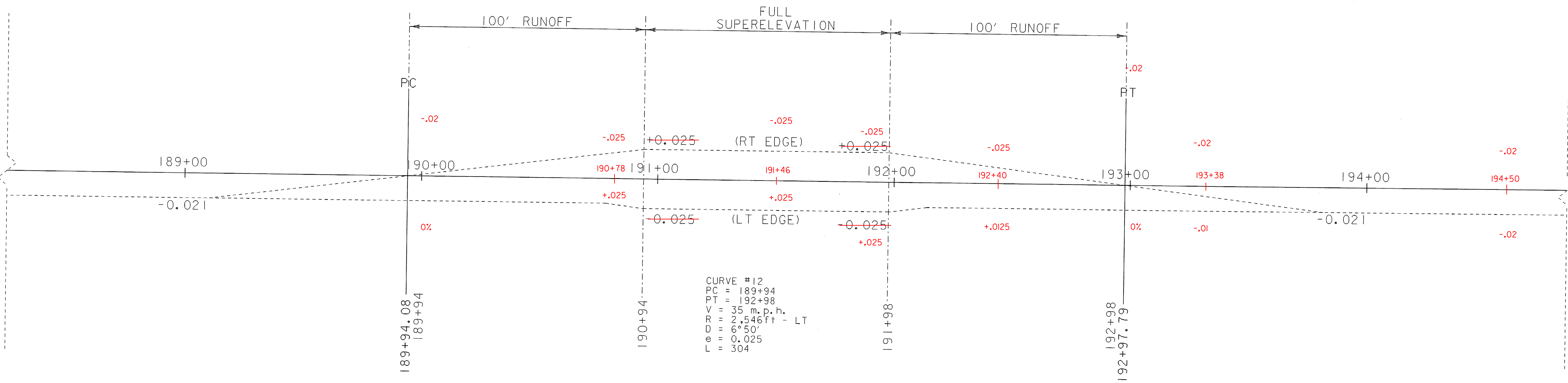
PROJECT NAME: SPRINGFIELD  
 PROJECT NUMBER: STP 0136(1)  
 FILE NAME: Bank.dgn  
 PROJECT LEADER: J. UPMAL  
 DESIGNED BY: B. KIPP  
 BANKING DIAGRAM 2

PLOT DATE: 30-DEC-2008  
 DRAWN BY: B. KIPP  
 CHECKED BY: N. PAPPAS  
 SHEET 49 OF 68

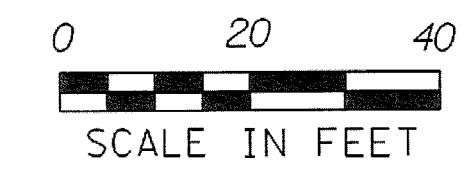
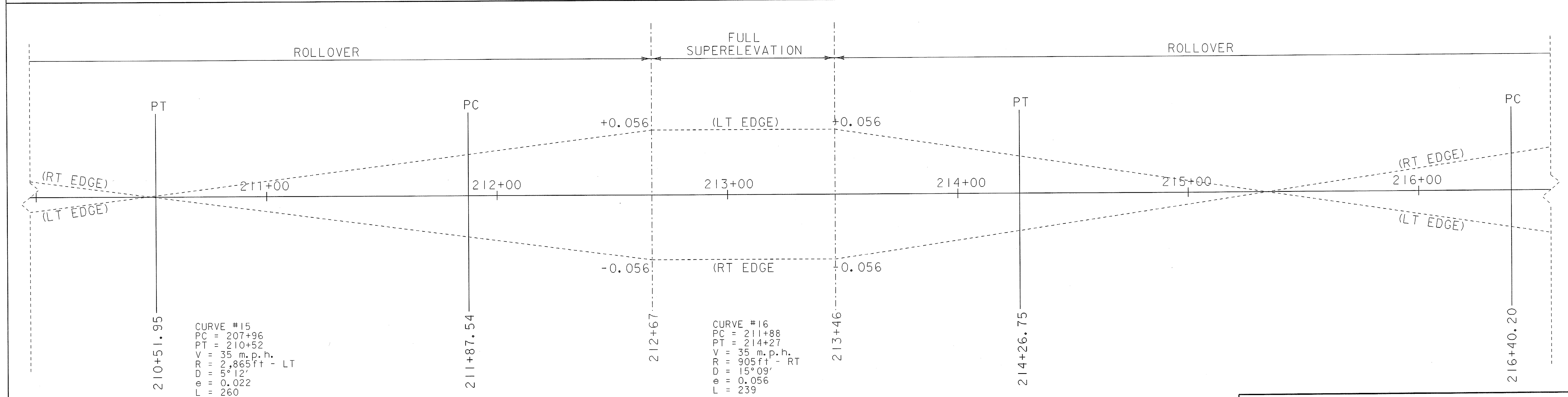
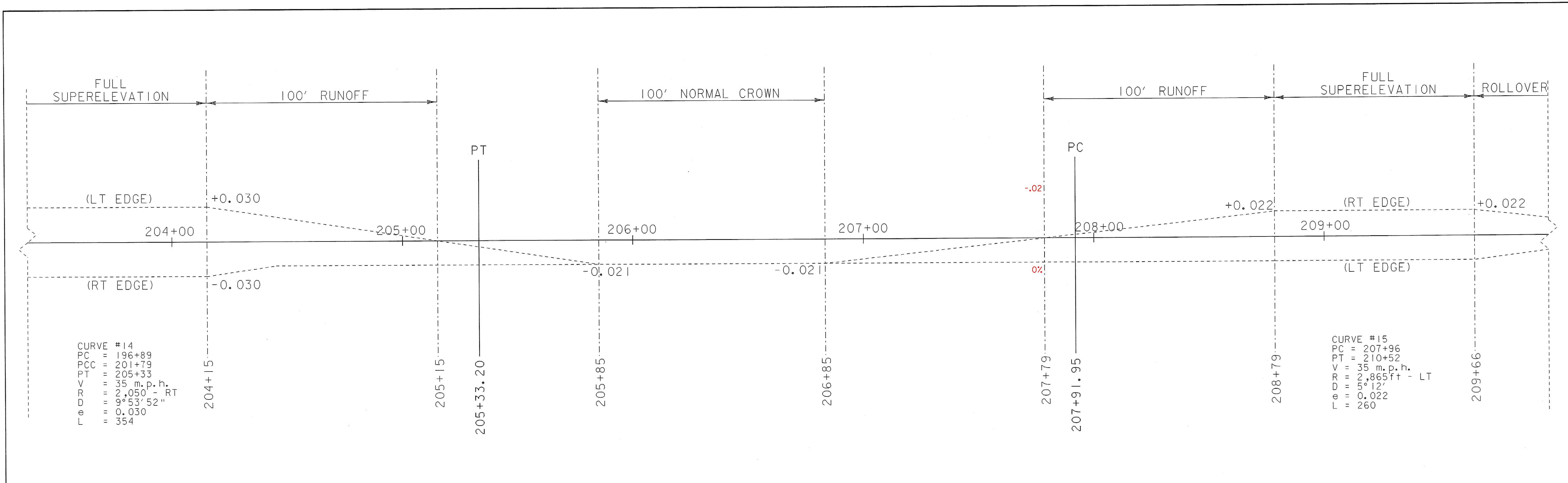




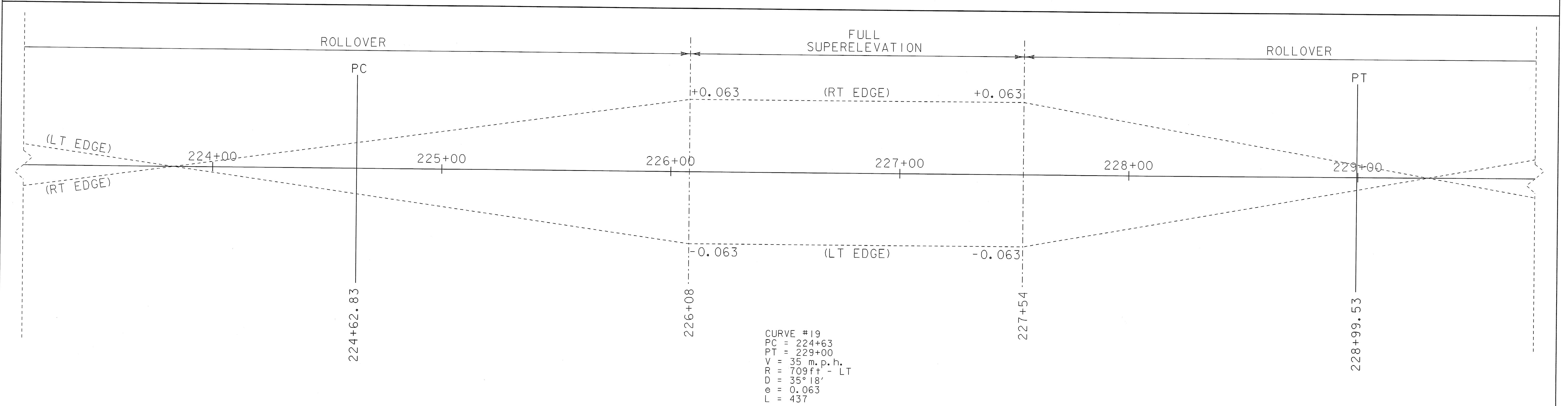
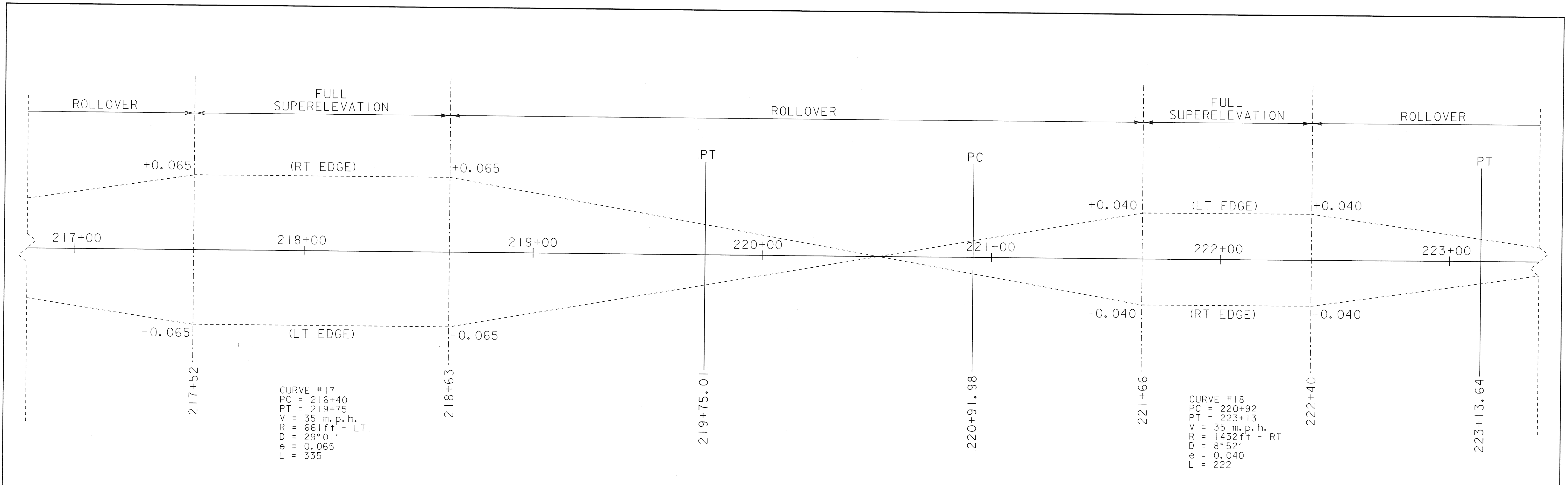
PROJECT NAME: SPRINGFIELD	PLOT DATE: 30-DEC-2008
PROJECT NUMBER: STP 0136(1)	DRAWN BY: B. KIPP
FILE NAME: Bank.dgn	CHECKED BY: N. PAPPAS
PROJECT LEADER: K. UPMAL	SHEET 51 OF 68
DESIGNED BY: B. KIPP	
BANKING DIAGRAM 4	



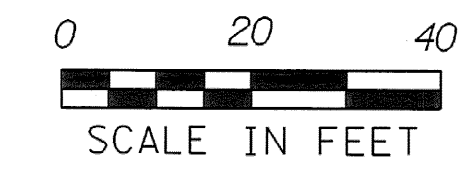
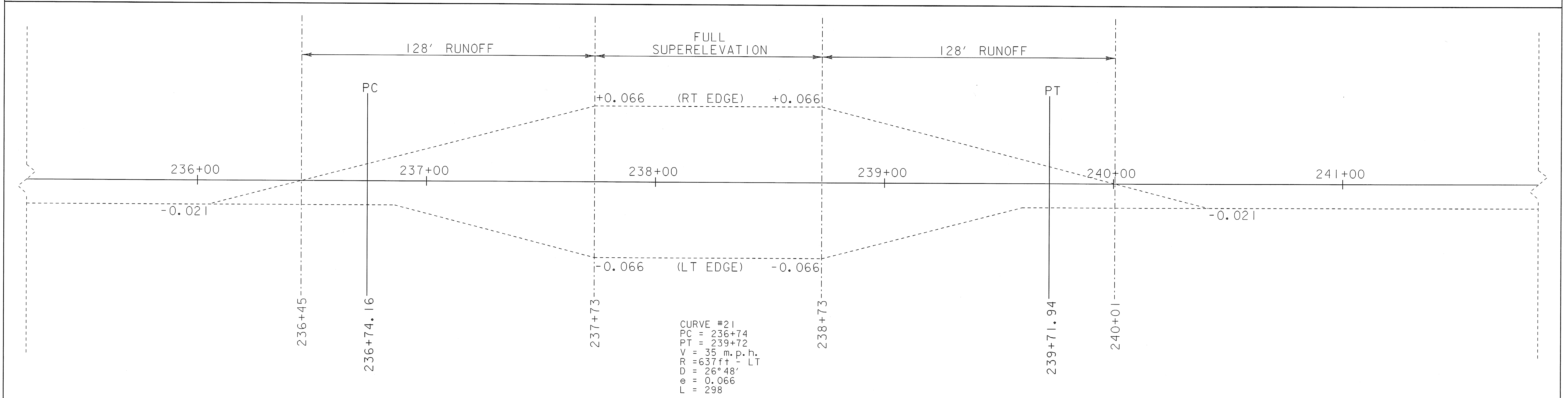
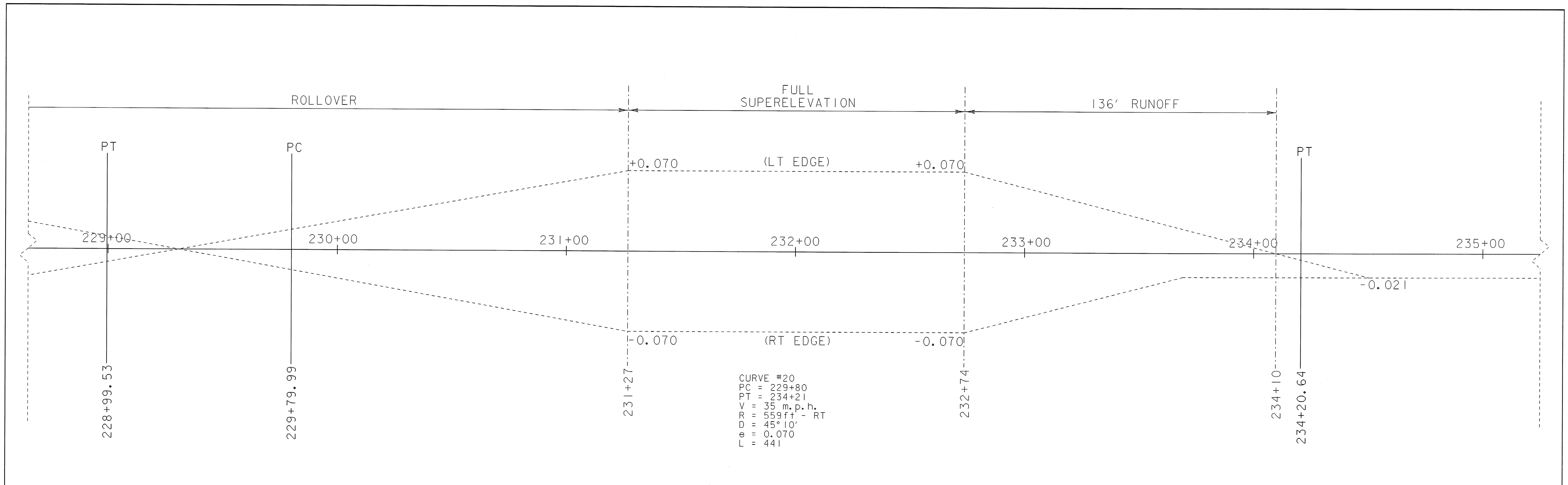
PROJECT NAME: SPRINGFIELD	PLOT DATE: 30-DEC-2008
PROJECT NUMBER: STP 0136(I)	DRAWN BY: B. KIPP
FILE NAME: Bank.dgn	CHECKED BY: N. PAPPAS
PROJECT LEADER: K. UPMAL	SHEET 52 OF 68
DESIGNED BY: B. KIPP	
BANKING DIAGRAM 5	



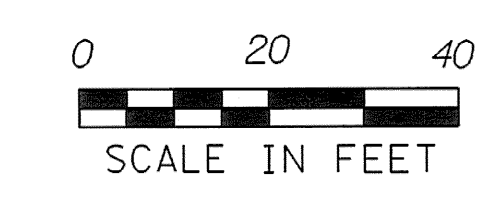
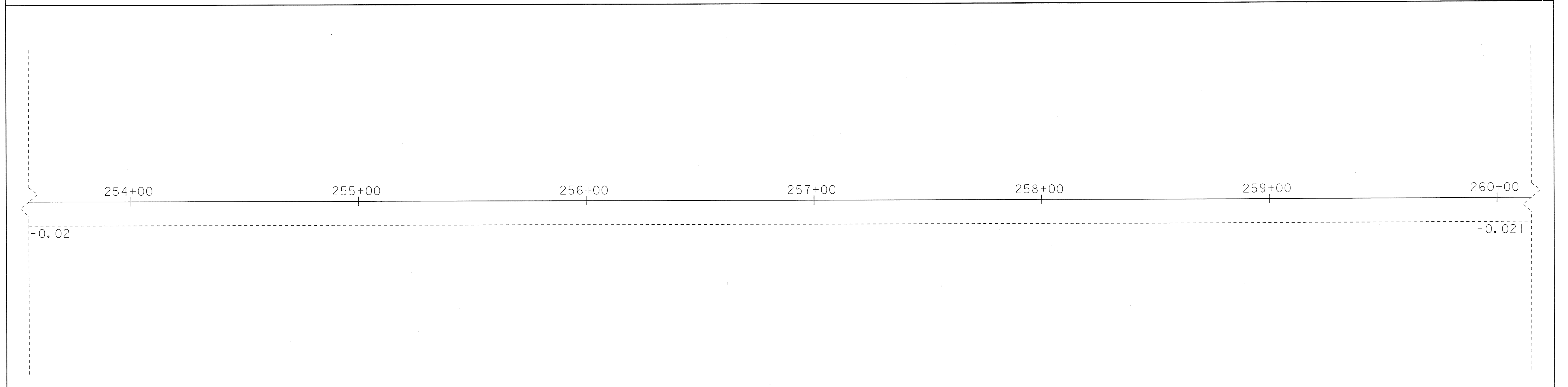
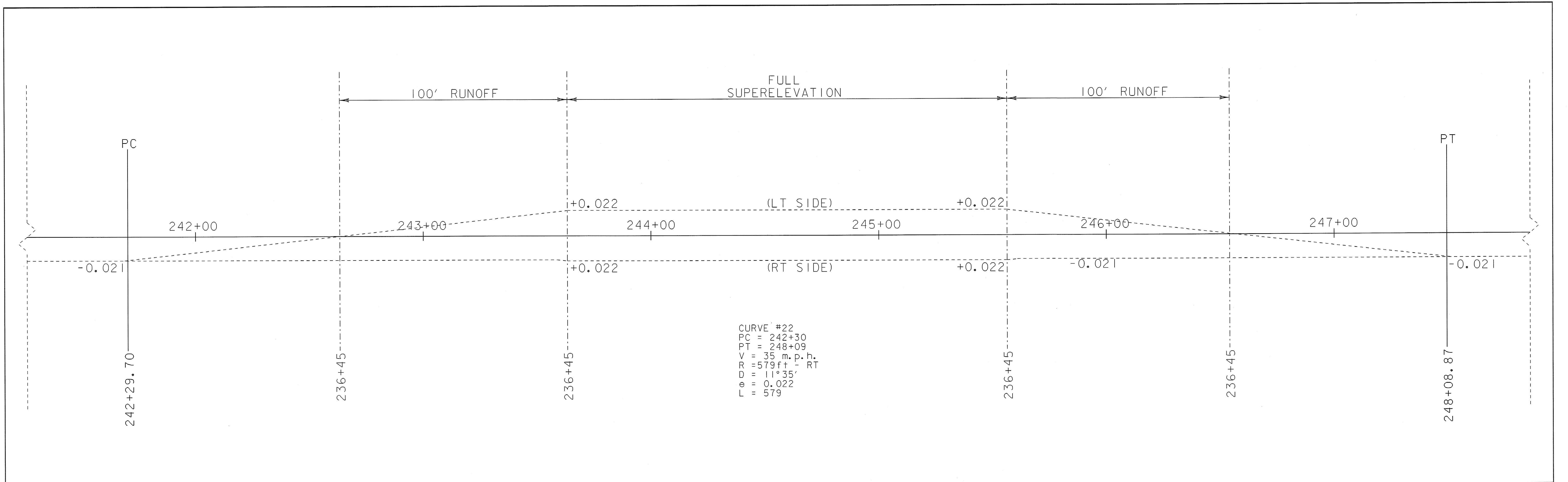
PROJECT NAME:	SPRINGFIELD	FILE NAME:	Bank.dgn	PLOT DATE:	30-DEC-2008
PROJECT NUMBER:	STP 0136(I)	PROJECT LEADER:	K. UPMAL	DRAWN BY:	B. KIPP
		DESIGNED BY:	B. KIPP	CHECKED BY:	N. PAPPAS
		BANKING DIAGRAM	6	SHEET	53 OF 68



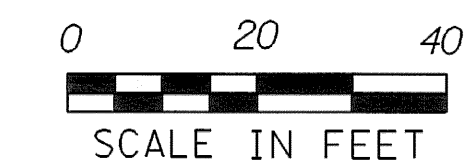
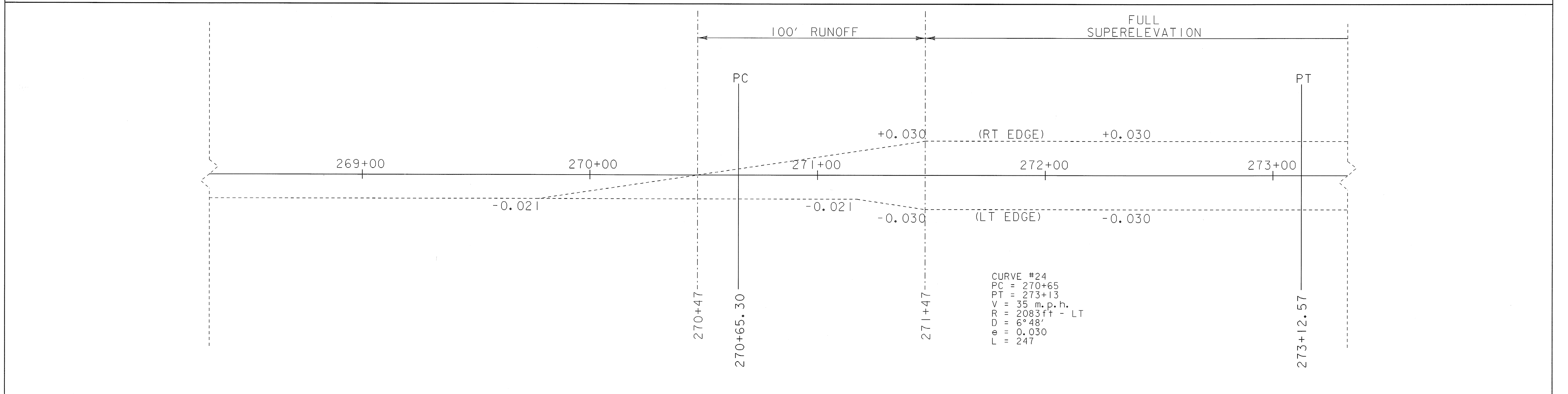
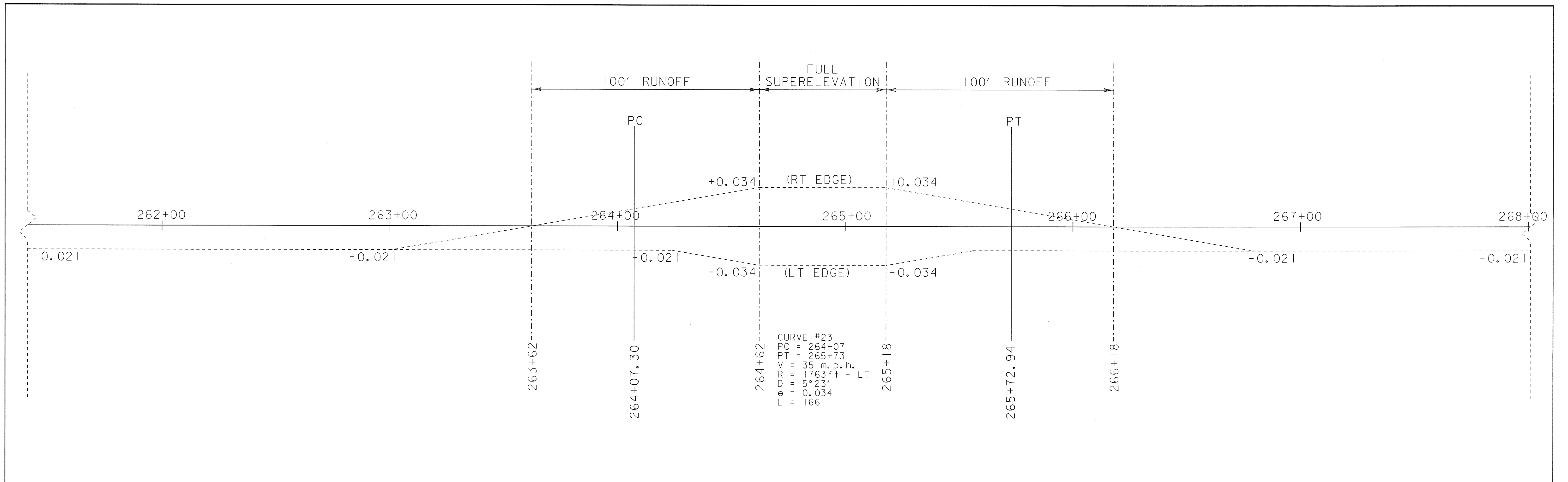
PROJECT NAME: SPRINGFIELD	PLOT DATE: 30-DEC-2008
PROJECT NUMBER: STP 0136(I)	DRAWN BY: B. KIPP
FILE NAME: Bank.dgn	CHECKED BY: N. PAPPAS
PROJECT LEADER: K. UPMAL	SHEET 54 OF 68
DESIGNED BY: B. KIPP	
BANKING DIAGRAM 7	



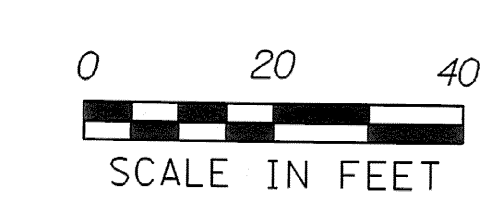
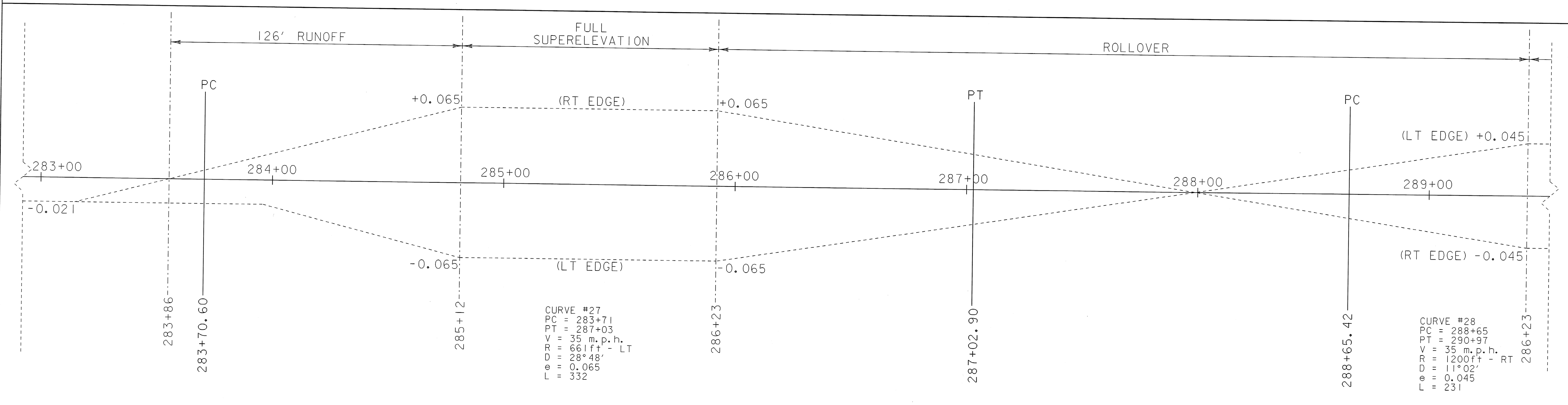
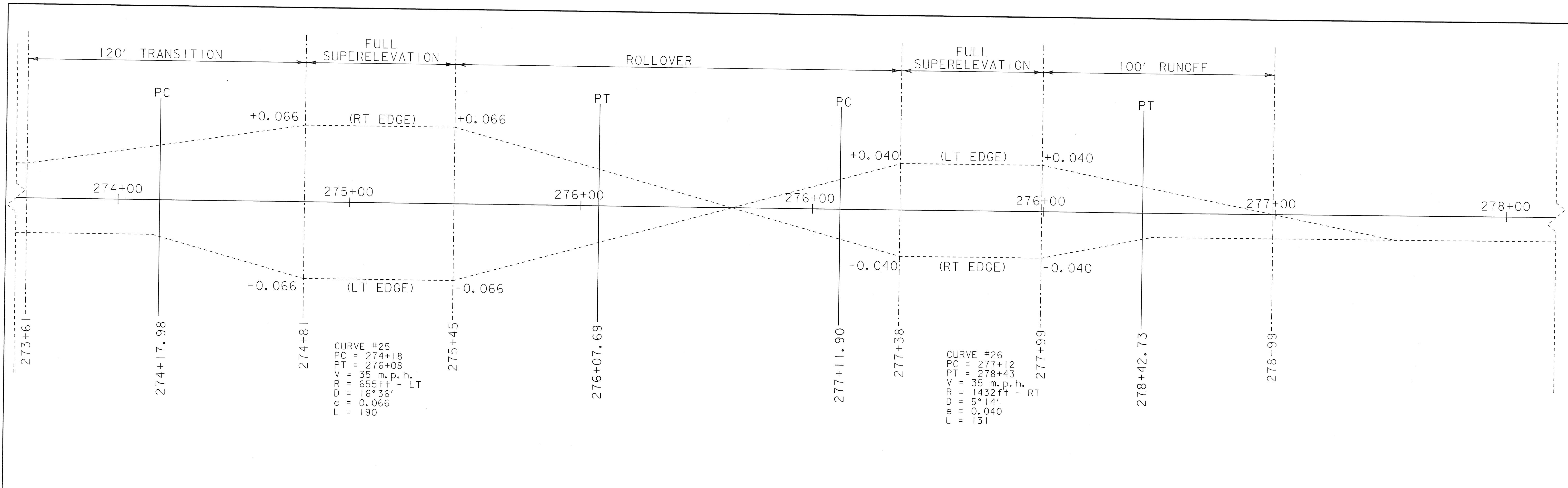
PROJECT NAME: SPRINGFIELD	PLOT DATE: 30-DEC-2008
PROJECT NUMBER: STP 0136(I)	DRAWN BY: B. KIPP
FILE NAME: Bank.dgn	CHECKED BY: N. PAPPAS
PROJECT LEADER: K. UPMAL	SHEET 55 OF 68
DESIGNED BY: B. KIPP	
BANKING DIAGRAM 8	



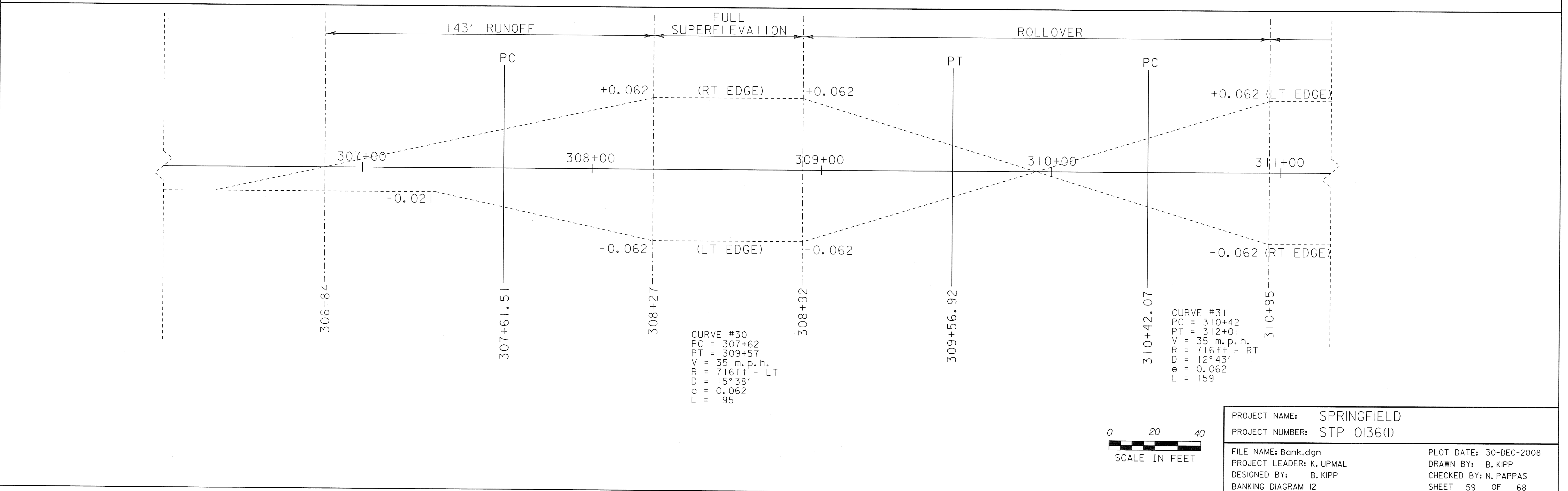
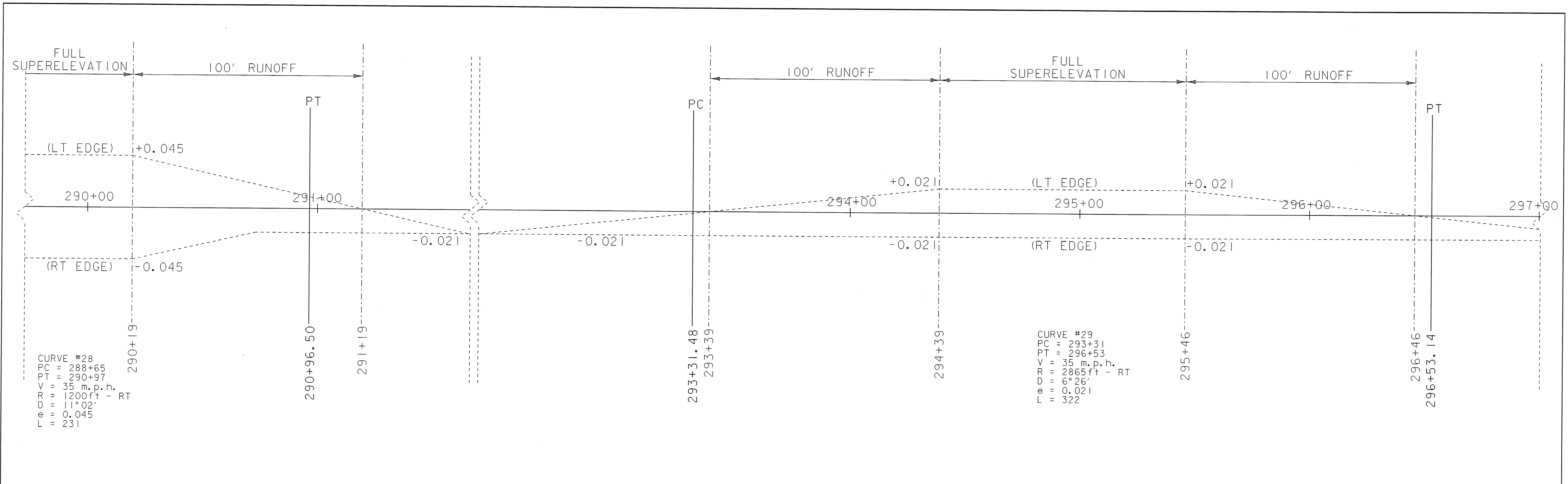
PROJECT NAME: SPRINGFIELD	PLOT DATE: 30-DEC-2008
PROJECT NUMBER: STP 0136(I)	DRAWN BY: B. KIPP
FILE NAME: Bank.dgn	DESIGNED BY: B. KIPP
BANKING DIAGRAM 9	CHECKED BY: N. PAPPAS
	SHEET 56 OF 68



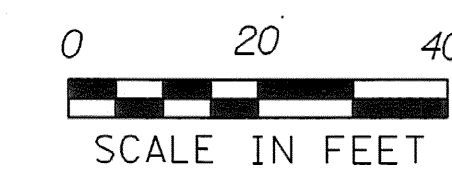
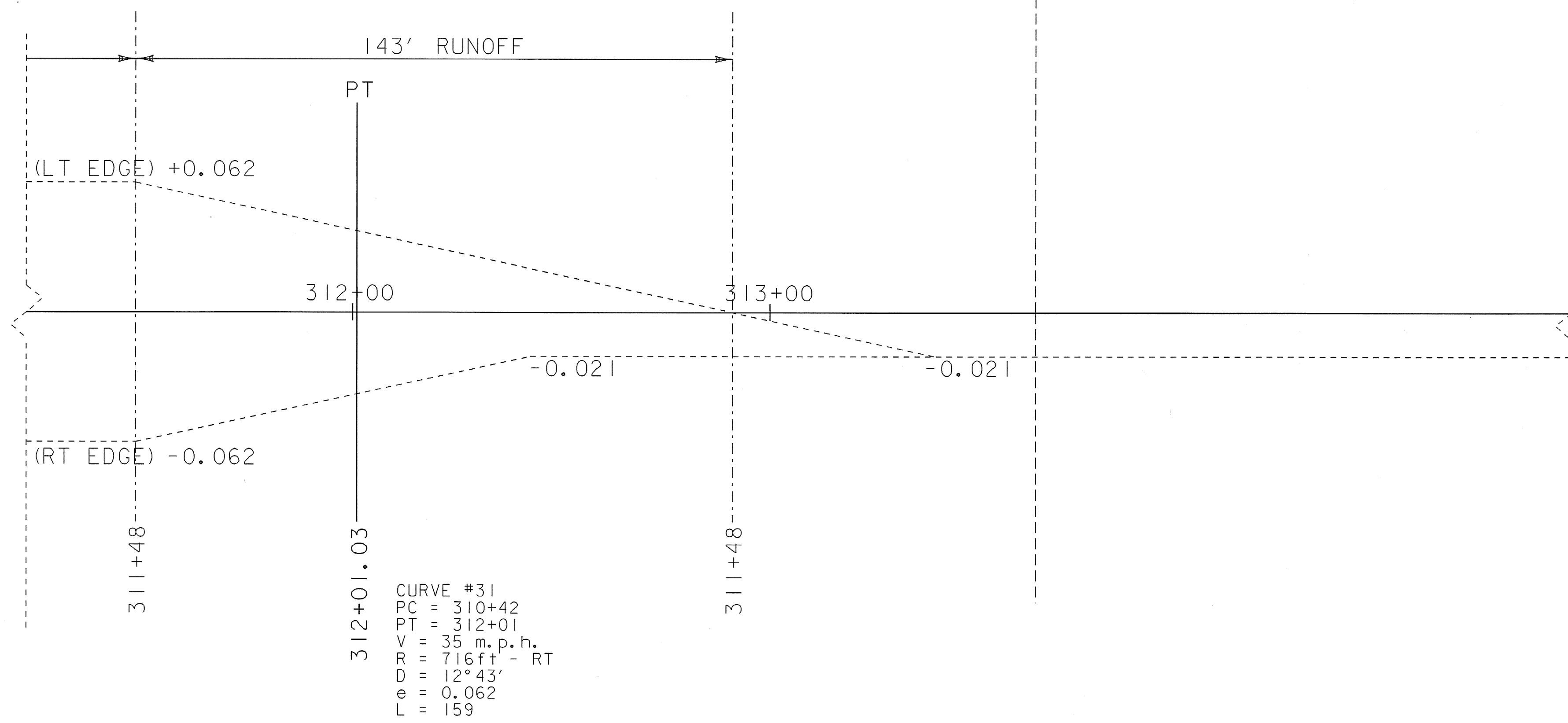
PROJECT NAME: SPRINGFIELD	PLOT DATE: 30-DEC-2008
PROJECT NUMBER: STP 0136(1)	DRAWN BY: B. KIPP
FILE NAME: Bank.dgn	CHECKED BY: N. PAPPAS
PROJECT LEADER: K. UPMAL	SHEET 57 OF 68
DESIGNED BY: B. KIPP	
BANKING DIAGRAM 10	



PROJECT NAME: SPRINGFIELD	PLOT DATE: 30-DEC-2008
PROJECT NUMBER: STP 0136(1)	DRAWN BY: B. KIPP
FILE NAME: Bank.dgn	CHECKED BY: N. PAPPAS
PROJECT LEADER: K. UPMAL	SHEET 58 OF 68
DESIGNED BY: B. KIPP	
BANKING DIAGRAM II	



END RECLAIM  
STA 313+63.61



PROJECT NAME: SPRINGFIELD	PLOT DATE: 30-DEC-2008
PROJECT NUMBER: STP 0136(1)	DRAWN BY: B. KIPP
FILE NAME: Bank.dgn	CHECKED BY: N. PAPPAS
PROJECT LEADER: K. UPMAL	SHEET 60 OF 68
DESIGNED BY: B. KIPP	
BANKING DIAGRAM 13	



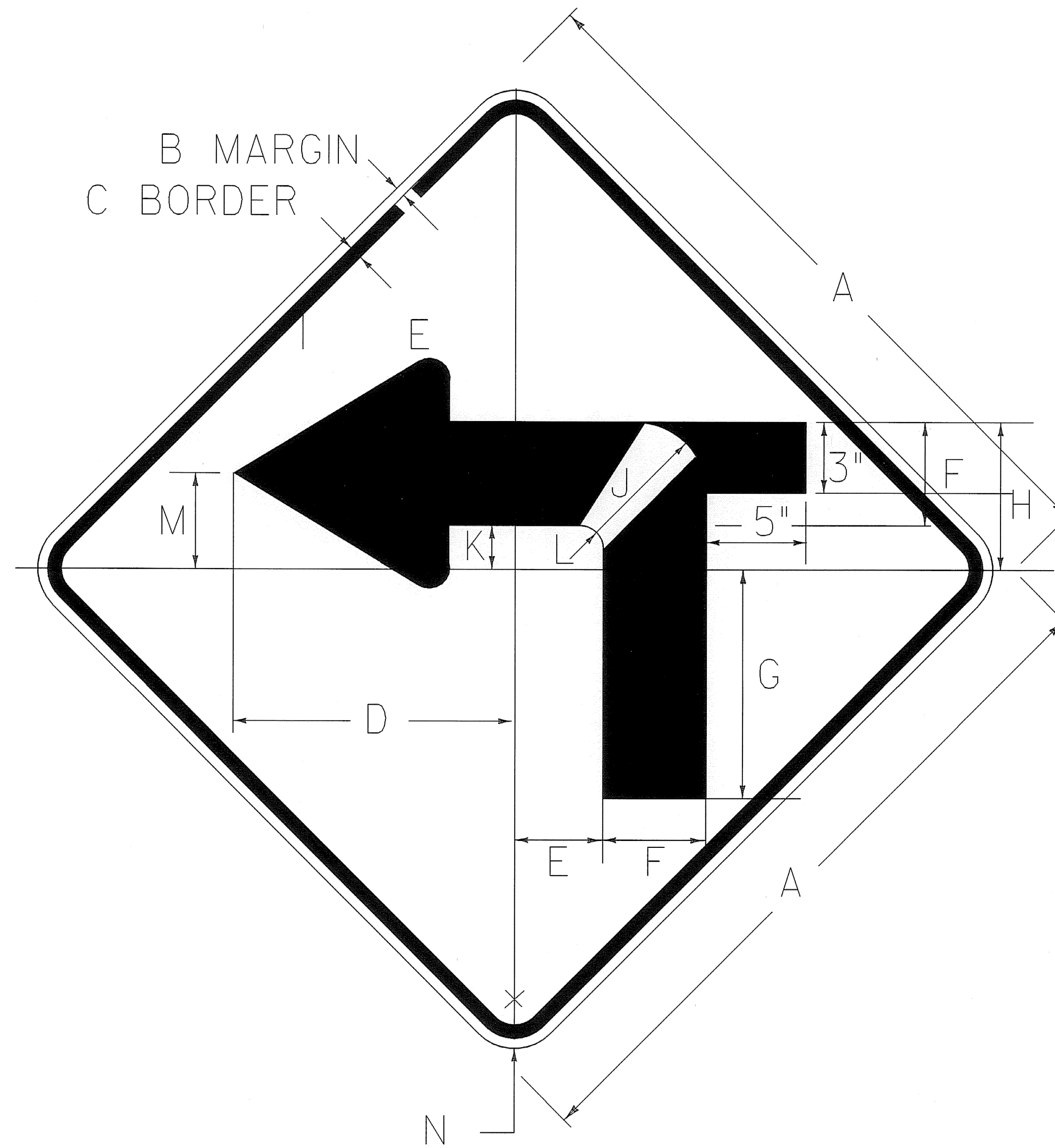












WI-IMd L

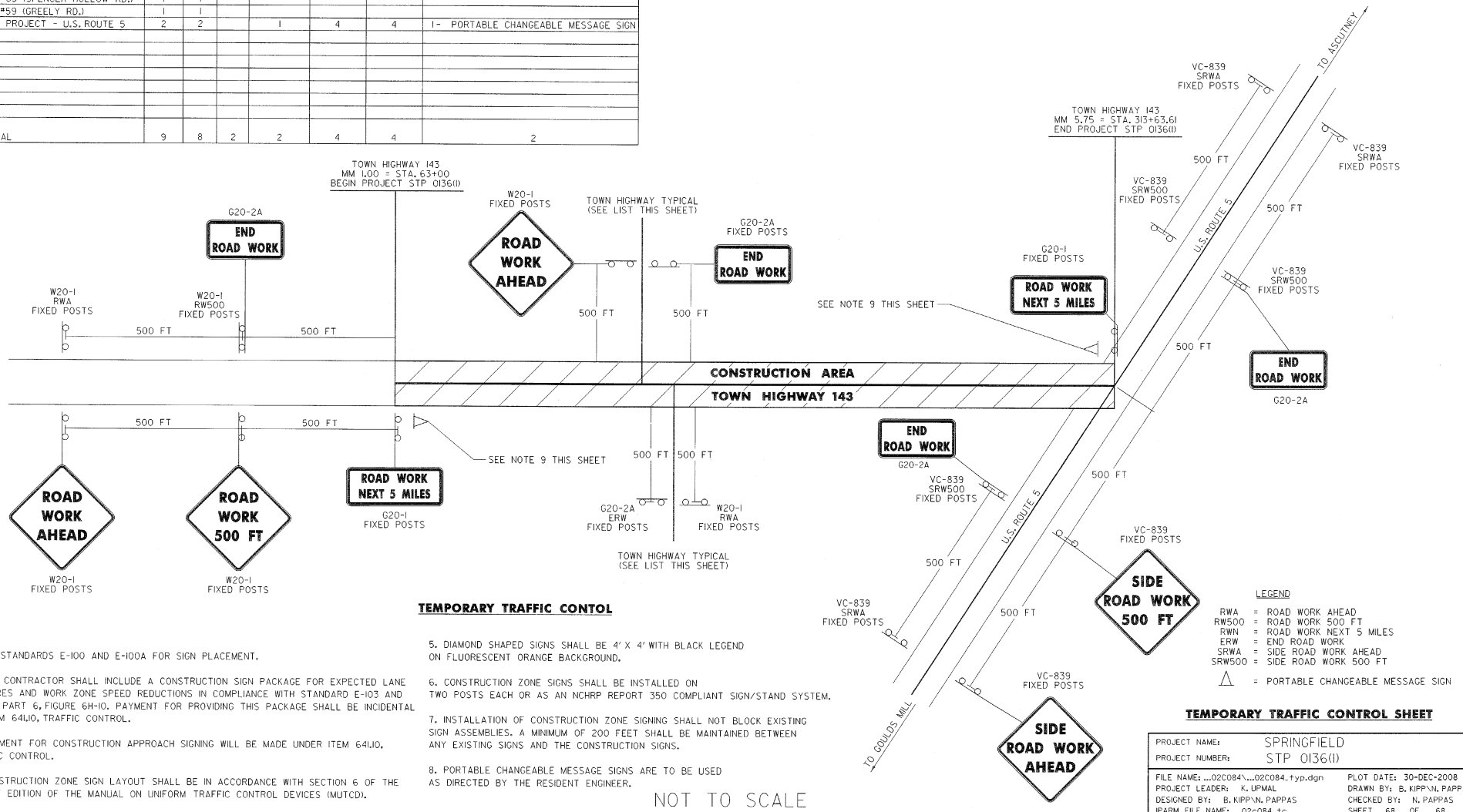
COLORS: BLACK SYMBOL AND BORDER  
WITH RETROREFLECTIVE YELLOW BACKGROUND

**SIGN DETAIL SHEET**

PROJECT NAME:	SPRINGFIELD	FILE NAME: ...02c084\...02c084_frm.dgn	PLOT DATE: 30-DEC-2008
PROJECT NUMBER:	STP 0136(I)	PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP
		DESIGNED BY: B. KIPP	CHECKED BY: N. PAPPAS
		IPARM FILE NAME: 02c084_signdetail	SHEET 67 OF 68

**LIST OF TOWNSTATE HIGHWAYS FOR CONSTRUCTION SIGNS**

TOWN/STATE HIGHWAY NAME	ROAD WORK AHEAD	END ROAD WORK	ROAD WORK 500'	ROAD WORK NEXT 5 MILES	SIDE ROAD WORK AHEAD	SIDE ROAD WORK 500'	OTHER
BEGIN PROJECT	2	1	2	1			1- PORTABLE CHANGEABLE MESSAGE SIGN
TH #429 (WILMUTH DR.)	1	1					
TH #54 (EUREKA RD.)	1	1					
TH #65 (CROWN POINT RD.)	1	1					
TH #63 (SPENCER HOLLOW RD.)	1	1					
TH #59 (GEELEY RD.)	1	1					
END PROJECT - U.S. ROUTE 5	2	2		1	4	4	1- PORTABLE CHANGEABLE MESSAGE SIGN
TOTAL	9	8	2	2	4	4	2



**TEMPORARY TRAFFIC CONTROL**

- DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK LEGEND ON FLUORESCENT ORANGE BACKGROUND.
- CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED ON TWO POSTS EACH OR AS AN NCHRP REPORT 350 COMPLIANT SIGN/STAND SYSTEM.
- INSTALLATION OF CONSTRUCTION ZONE SIGNING SHALL NOT BLOCK EXISTING SIGN ASSEMBLIES. A MINIMUM OF 200 FEET SHALL BE MAINTAINED BETWEEN ANY EXISTING SIGNS AND THE CONSTRUCTION SIGNS.
- PORTABLE CHANGEABLE MESSAGE SIGNS ARE TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.

- NOTES:
- SEE STANDARDS E-100 AND E-100A FOR SIGN PLACEMENT.
  - THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH STANDARD E-103 AND MUTCD PART 6, FIGURE 6H-10. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 6410, TRAFFIC CONTROL.
  - PAYMENT FOR CONSTRUCTION APPROACH SIGNING WILL BE MADE UNDER ITEM 6410, TRAFFIC CONTROL.
  - CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

**TEMPORARY TRAFFIC CONTROL SHEET**

PROJECT NAME:	SPRINGFIELD
PROJECT NUMBER:	STP 0136(I)
FILE NAME: ...02C084...02C084.typ.dgn	PLOT DATE: 30-DEC-2008
PROJECT LEADER: K. UPMAL	DRAWN BY: B. KIPP/N. PAPPAS
DESIGNED BY: B. KIPP/N. PAPPAS	CHECKED BY: N. PAPPAS
IPARM FILE NAME: 02c084.t	SHEET 68 OF 68

NOT TO SCALE