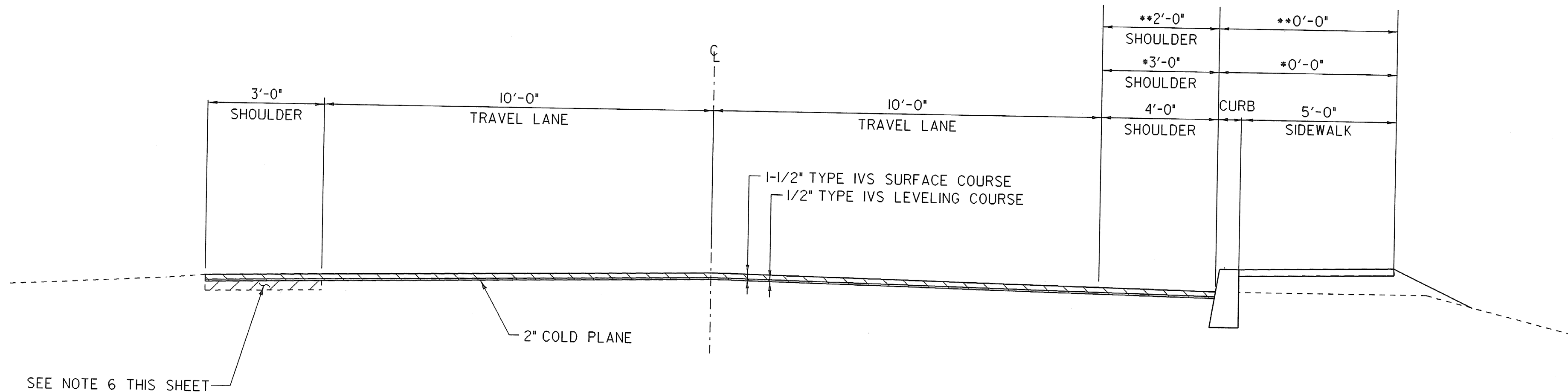


VT ROUTE 143 TYPICAL SECTION

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.

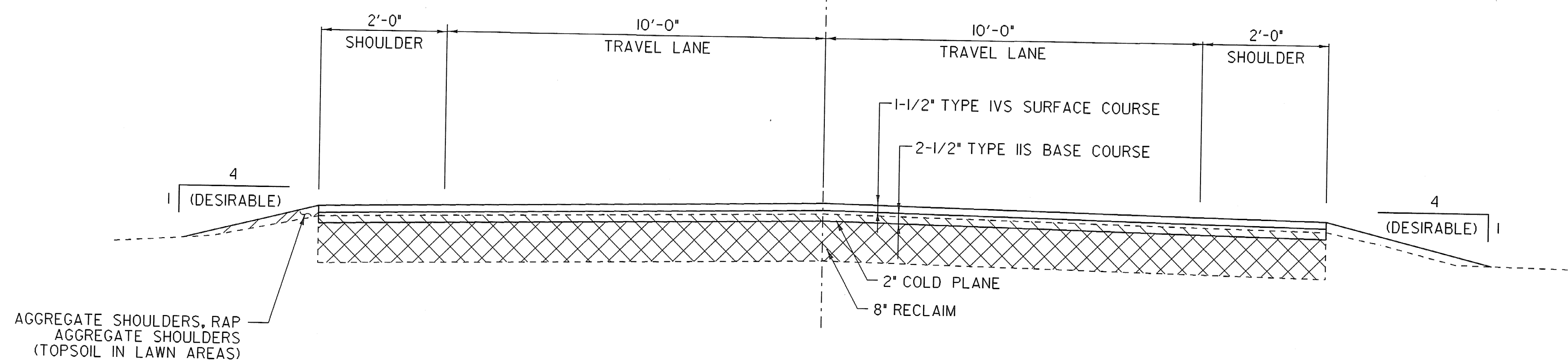


SEE NOTE 6 THIS SHEET

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



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. PAVEMENT 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

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