

GENERAL NOTES

- THE WEARING COURSE AND LEVELING SHALL BE TYPE IVS, ITEM 490.30 AS SHOWN ON THE TYPICALS, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED IN SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 64-28.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.026 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = $1/4" \pm$ (TOTAL THICKNESS EXCLUDING LEVELING COURSE).
- EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" + OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL SHALL 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. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL, FINE GRADED.
- COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICALS OR AS DENOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN/END AND AT ALL SIDE ROAD APPROACHES AS SHOWN ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL BUTT JOINTS SHALL BE SAW CUT, INCIDENTAL TO ITEM 490.30.
- 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. 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 5 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.
- 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 BE CONSIDERED INCIDENTAL TO ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28).
- ITEM 604.40 AND 604.412 ARE ESTIMATED QUANTITIES AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY RESIDENT ENGINEER. ALL D'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
- ALL GUARDRAIL USED ON THIS PROJECT SHALL BE STEEL BEAM WITH STEEL POSTS AND WOOD BLOCKOUTS (OR ACCEPTED ALTERNATE).

SEEDING FORMULA - URBAN AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
42.5	34.0	CREeping RED FESCUE	98	85
10.0	8.0	PERENNIAL RYE GRASS	95	90
42.5	34.0	KENTUCKY BLUE GRASS	85	85
5.0	4.0	ANNUAL RYE GRASS	95	85
100.00	80.0			

SEEDING NOTES

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

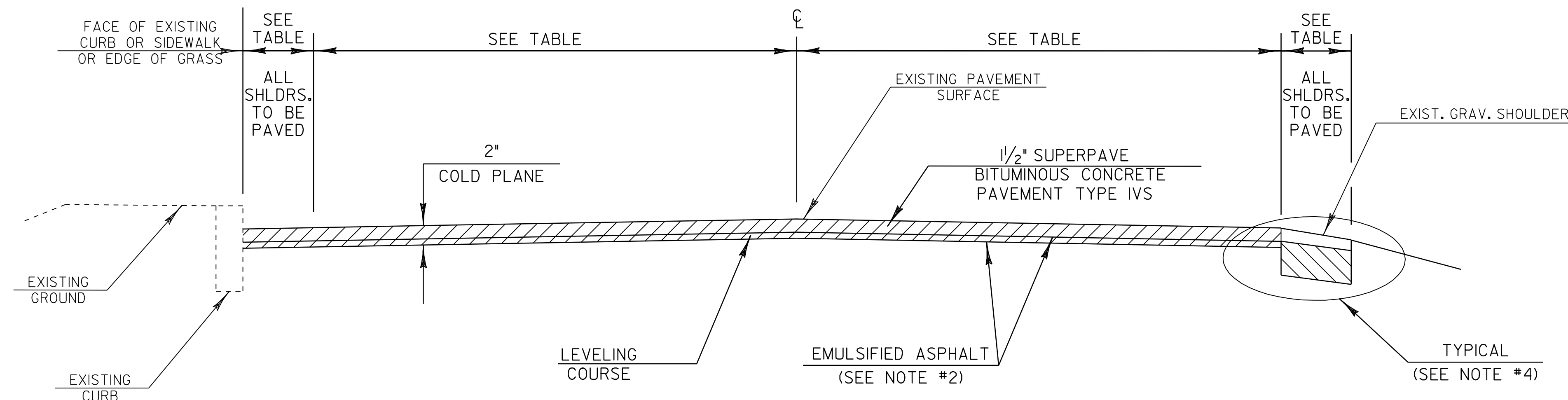
SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

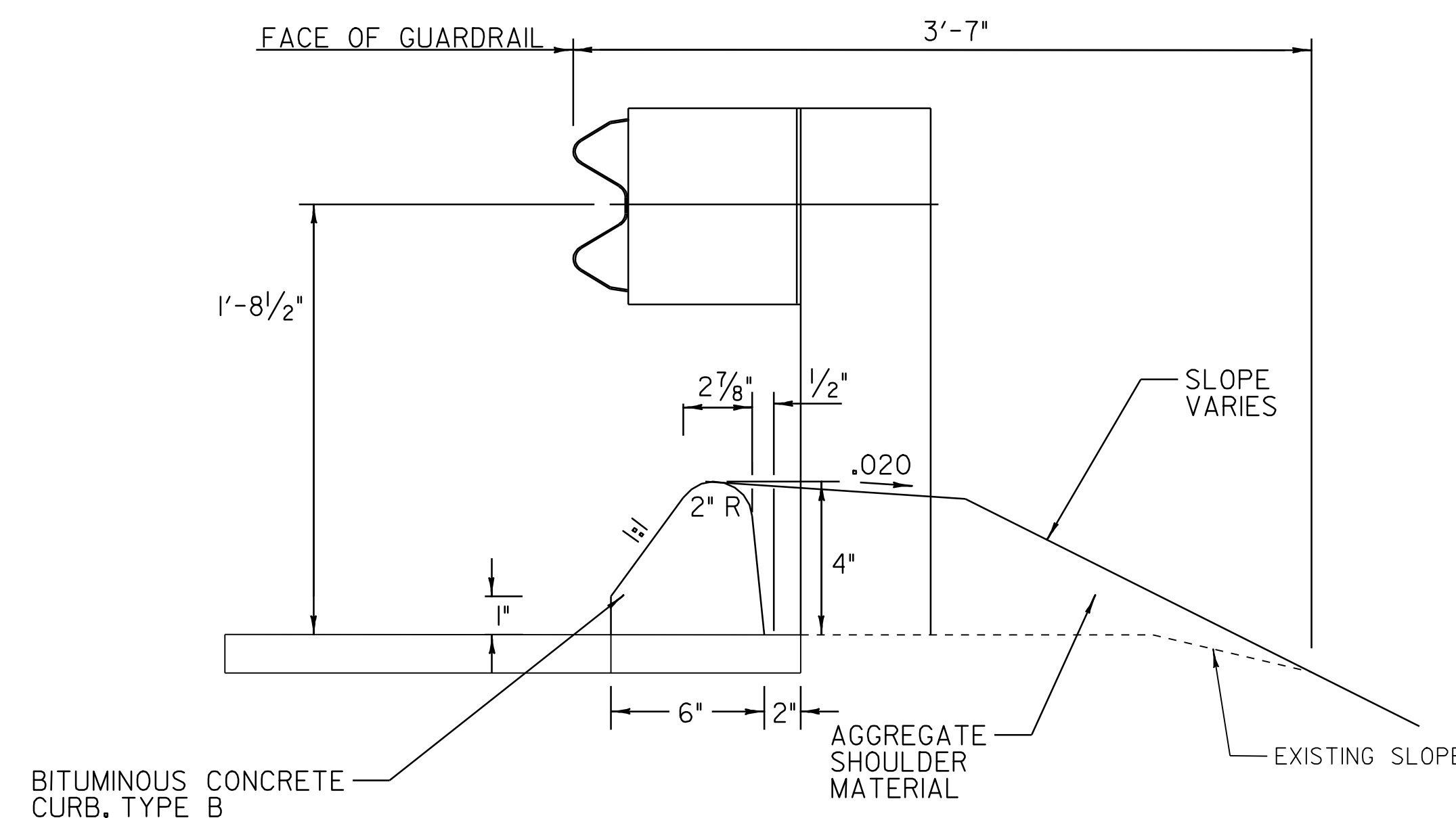
TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.



COLD PLANE TYPICAL SECTION

NOT TO SCALE

LUDLOW - STA 68+08 TO 151+12



DETAIL FOR BITUMINOUS CONCRETE CURB, TYPE B

NOT TO SCALE

PROJECT PAVING LIMITS

TOWN	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING TONS	NOTES
VT ROUTE 103	68+08	74+75	2.0-12.0-12.0-2.0	1 1/2"	57.6	COLD PLANE, LEVEL AND OVERLAY
LUDLOW	74+75	75+50	VARIES SEE LAYOUT	1 1/2"	7.2	COLD PLANE, LEVEL AND OVERLAY
	75+50	78+45	5.0-12.0-12.0-5.0	1 1/2"	31.0	COLD PLANE, LEVEL AND OVERLAY
	78+45	78+91	VARIES SEE LAYOUT	1 1/2"	4.5	COLD PLANE, LEVEL AND OVERLAY
	78+91	82+00	2.0-12.0-12.0-5.0	1 1/2"	29.6	COLD PLANE, LEVEL AND OVERLAY
	82+00	83+00	VARIES SEE LAYOUT	1 1/2"	9.6	COLD PLANE, LEVEL AND OVERLAY
	83+00	95+00	3.0-12.0-12.0-5.0	1 1/2"	118.5	COLD PLANE, LEVEL AND OVERLAY
	95+00	96+93	VARIES SEE LAYOUT	1 1/2"	31.2	COLD PLANE, LEVEL AND OVERLAY
	96+93	99+08	12.0-12.0-12.0-6.0	1 1/2"	27.9	COLD PLANE, LEVEL AND OVERLAY
	99+08	101+20	VARIES SEE LAYOUT	1 1/2"	22.9	COLD PLANE, LEVEL AND OVERLAY
	101+20	102+43	2.0-12.0-12.0-2.0	1 1/2"	10.6	COLD PLANE, LEVEL AND OVERLAY, BRIDGE 25
	102+43	125+14	VARIES SEE LAYOUT	1 1/2"	308.6	COLD PLANE, LEVEL AND OVERLAY, BRIDGE 26
	125+14	134+25	10.0-12.0-12.0-10.0	1 1/2"	123.7	COLD PLANE, LEVEL AND OVERLAY
	134+25	142+00	VARIES SEE LAYOUT	1 1/2"	109.2	COLD PLANE, LEVEL AND OVERLAY
	142+00	149+58	10.0-12.0-12.0-10.0	1 1/2"	123.9	COLD PLANE, LEVEL AND OVERLAY

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT TYPICAL SHEET 1

SURVEYED BY	CLD	DATE	11/05
DRAWN BY	MRS	DATE	5/06
SQUAD LEADER	PTS		
DESIGN FILE NO.	/pave/05B008/pb008.dgn		
IPARM FILE	pb008ty01.i	DATE	10MAY-2010 14
PROJ. NAME	LUDLOW		
PROJ. NO.	NH 2409(1)S		
SHEET	3	OF	51 SHEETS