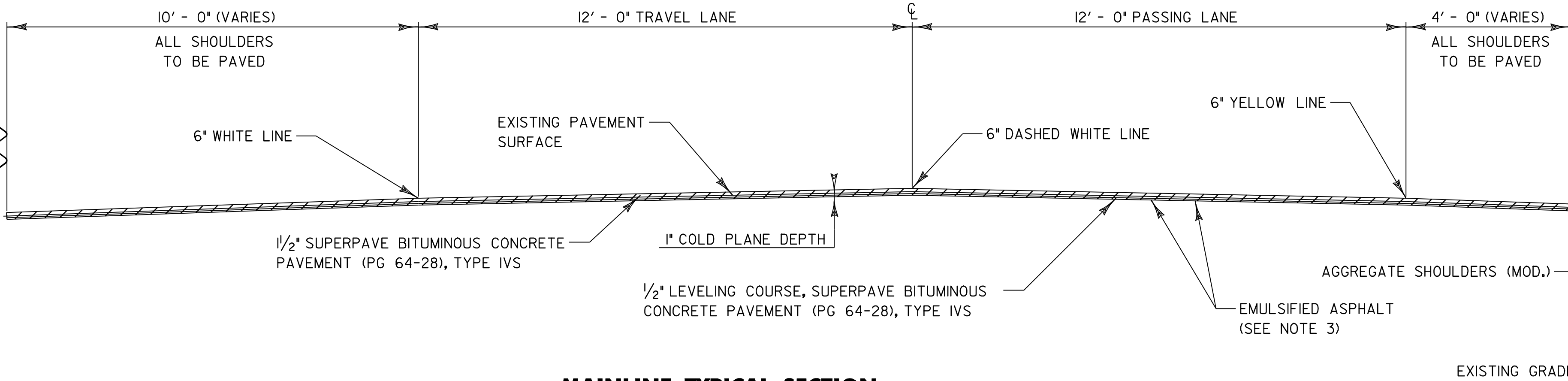


**NOTES:**

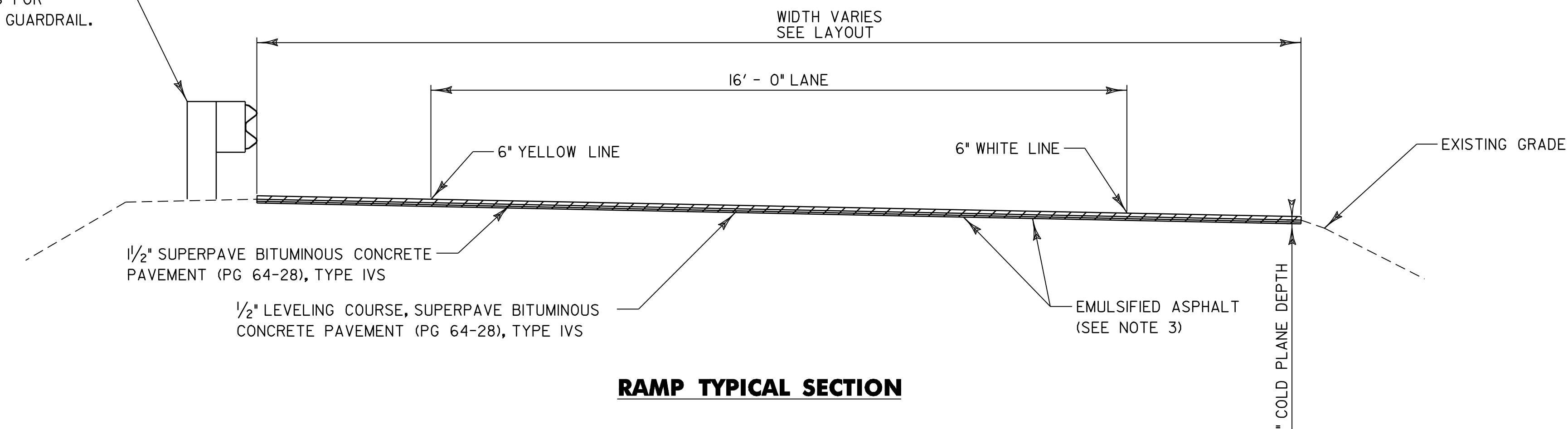
- COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGINNING/END AND AT ALL RAMP APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ADJACENT TO EXISTING DROP INLETS OR CATCH BASINS. ANY DAMAGE WHICH OCCURS TO THESE DRAINAGE STRUCTURES AS A RESULT OF THESE OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE OF VERMONT.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON ALL COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT A RATE OF 0.015 GAL / SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
- ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.I2, "AGGREGATE SHOULDERS (MOD.)".
- THREE FEET OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FOOT POSTS. IF THIS CANNOT BE OBTAINED THEN 8 FOOT POSTS SHALL BE USED.
- ESTIMATED QUANTITIES OF ITEM 608.25, "EXCAVATOR RENTAL", AND 608.37, "TRUCK RENTAL", HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARD RAIL END SECTIONS WITH EXCAVATED DITCHING MATERIAL. IF SUFFICIENT DITCHING MATERIAL IS NOT AVAILABLE, ITEM 203.30, "EARTH BORROW" WILL BE USED. THE GUARD RAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3-INCH DEPTH OF AGGREGATE SHOULDERS (MOD.) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDERS (MOD.) FOR EACH GUARD RAIL TERMINAL AND 25 CY OF EARTH BORROW.
- BITUMINOUS CONCRETE PAVEMENT WORK WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS SIDE ROAD APPROACHES AND AROUND DRAINAGE AND UTILITY STRUCTURES) SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30, "SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28)".
- AREAS ADJACENT TO THE SHOULDER, WHERE EXISTING GUARDRAIL IS BEING RETAINED, THAT HAVE BUILT UP EXCESS MATERIAL ARE TO BE GRADED IN ORDER TO ALLOW THE SHOULDER TO DRAIN. PAYMENT IS TO BE INCLUDED UNDER ITEM 203.99, "SHOULDER BERM REMOVAL".
- PAVED GUTTERS WITHIN THE PROJECT AREA ARE TO BE OVERLAID. THIS SHALL BE PAID FOR INCIDENTAL TO ITEM 490.30 "SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28)", AND TO BE CONSTRUCTED AS SHOWN ON THE DETAIL ON THIS SHEET.
- ALL DELINEATORS WITHIN THE PROJECT AREA ARE TO BE REPLACED. THESE ARE TO BE PAID FOR UNDER ITEM 676.I0, "DELINEATORS W/ STEEL POSTS".

SEE LAYOUT AND ITEM DETAIL SHEETS FOR LOCATIONS OF GUARDRAIL



**MAINLINE TYPICAL SECTION**

SEE LAYOUT AND ITEM DETAIL SHEETS FOR LOCATIONS OF GUARDRAIL.



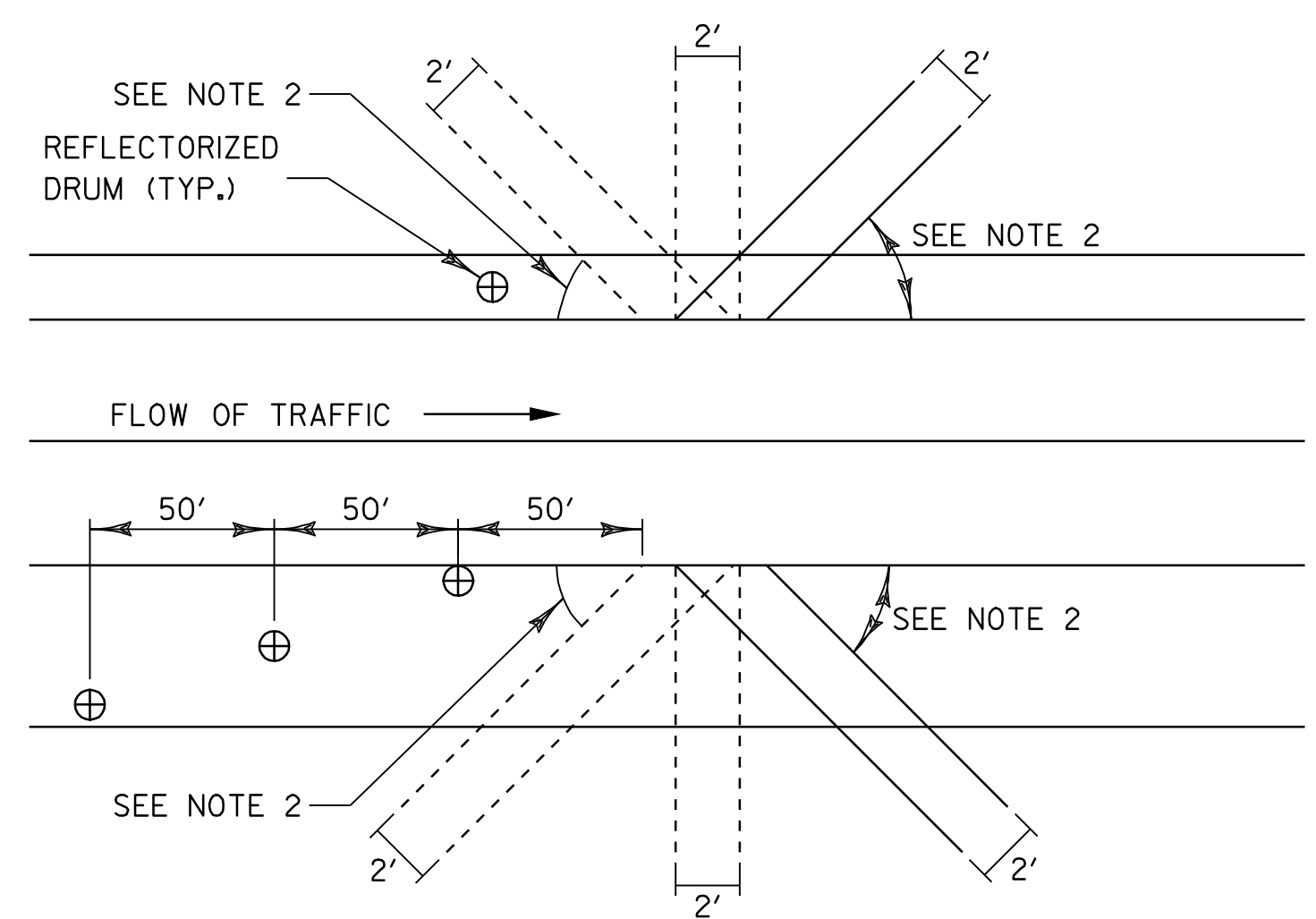
**RAMP TYPICAL SECTION**

**SEEDING FORMULA RURAL AREAS**

% 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 TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

**GENERAL NOTES**

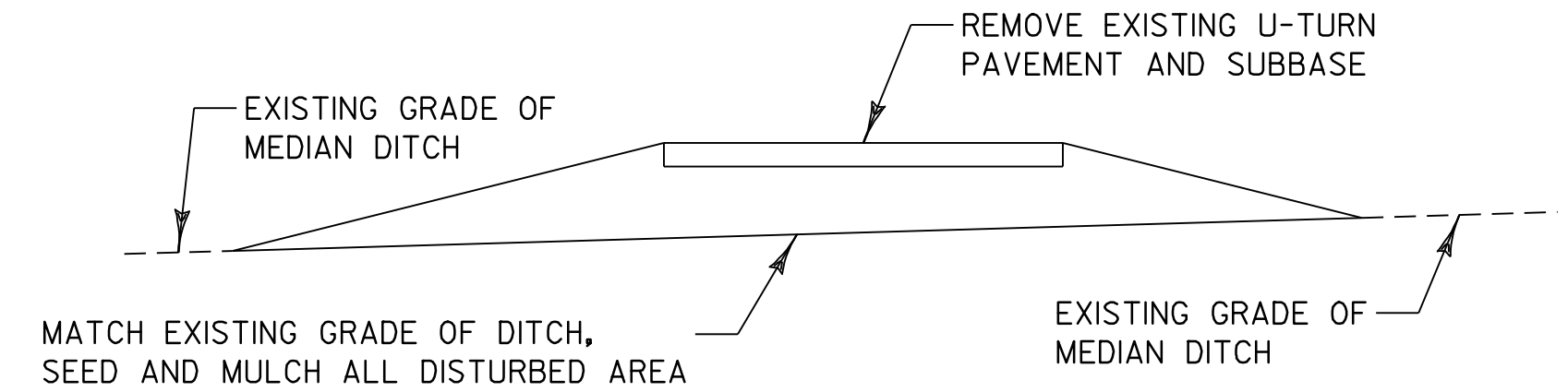
- SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
- SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.
- FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 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.
- YIELDING MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.



**BLEEDER DETAIL**

**BLEEDER DETAIL NOTES:**

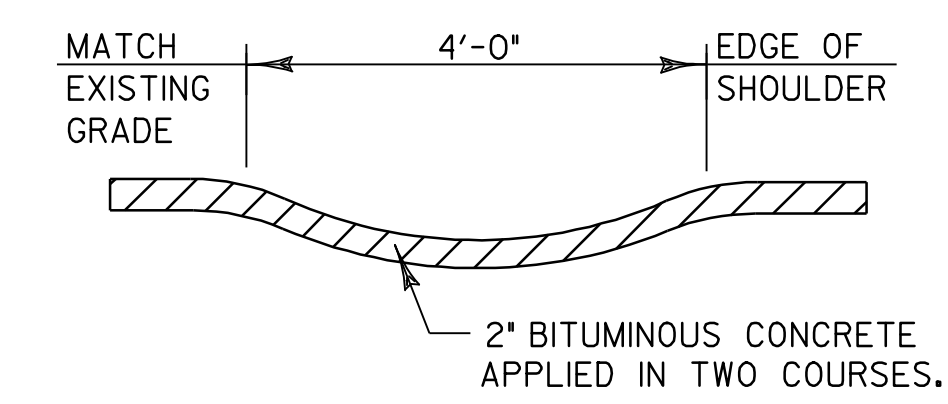
- BLEEDERS ARE TO BE CUT WHILE COLD PLANING, AT LOCATIONS SPECIFIED BY THE RESIDENT ENGINEER.
- ANGLE BLEEDERS TO BEST ACCEPT WATER FLOW.
- CUT ALL BLEEDERS TO THE DEPTH OF COLD PLANING AND GRADE TO DRAIN. PAYMENT INCIDENTAL TO ITEM 210.I0.
- BLEEDERS ARE TO BE FILLED DURING PAVING WITH ITEM 490.30 OR AS DESIGNATED BY THE RESIDENT ENGINEER.
- REFLECTORIZED DRUMS MUST BE PLACED AS SHOWN TO WARN MOTORISTS OF THE GAP IN THE SHOULDER.
- BLEEDERS ARE NOT REQUIRED IF THE COLD PLANED AREAS ARE PAVED BACK THE SAME DAY.



**U-TURN REMOVAL DETAIL (SB MM 101.577 / 5363+26.56)**

**U-TURN NOTES:**

- REMOVE PAVEMENT AND SUBBASE OF THE EXISTING U-TURN TO MATCH THE GRADE OF THE EXISTING MEDIAN DITCH.
- PAYMENT TO REMOVE THE EXISTING PAVEMENT AND SUBBASE SHALL BE MADE UNDER ITEM 203.I5, "COMMON EXCAVATION".
- THE CONTRACTOR SHALL SAW CUT THE PAVEMENT AT THE EDGE OF THE NB AND SB SHOULDERS PRIOR TO EXCAVATING. THE COST OF SAW CUTTING SHALL BE INCIDENTAL TO ITEM 203.I5. EXISTING MATERIAL DEEMED SUITABLE BY THE RESIDENT ENGINEER SHALL BE USED AS SUBBASE MATERIAL TO CONSTRUCT THE NEW U-TURN AT MM 101.055. PAYMENT FOR THE USE OF ANY REMOVED MATERIAL FOR THE PURPOSE OF CONSTRUCTING THE NEW U-TURN WILL BE THE AMOUNT OF IN-PLACE MATERIAL REMOVED AND USED MULTIPLIED BY A FACTOR OF 1.I5.
- ITEM 651.35, "TOPSOIL", WILL BE SPREAD 6' THICK AFTER U-TURN IS EXCAVATED.



**BITUMINOUS CONCRETE GUTTER DETAIL**

EXIT 18 STA. 4+25 RAMP D  
EXIT 18 STA. 7+25 RAMP D

**DETAILS ARE NOT TO SCALE**

**PROJECT TYPICAL SHEET**

PROJECT NAME: COLCHESTER - GEORGIA	PLOT DATE: 12-OCT-2010 16:38
PROJECT NUMBER: IM 089-3(59)	DRAWN BY: RHB/SJB
FILE NAME: p04g030.DGN	CHECKED BY: EPD
PROJECT LEADER: EPD	SHEET 2 OF 22
DESIGNED BY: JDA	
PLOT FILE:	