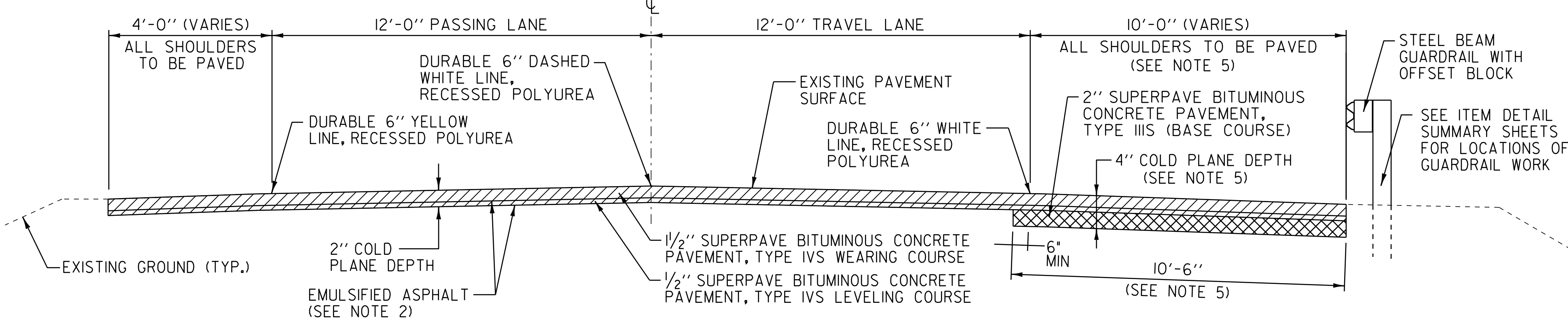
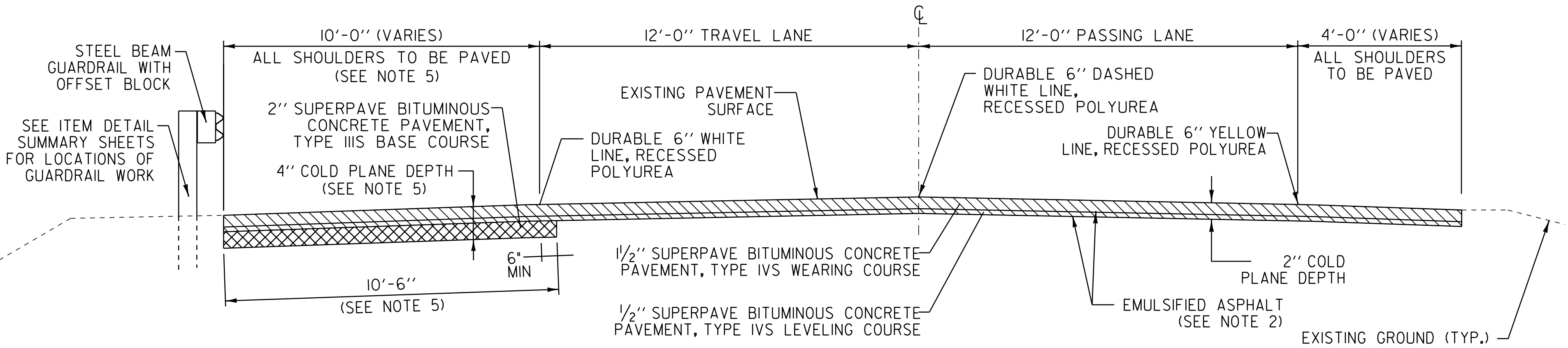


NOTES

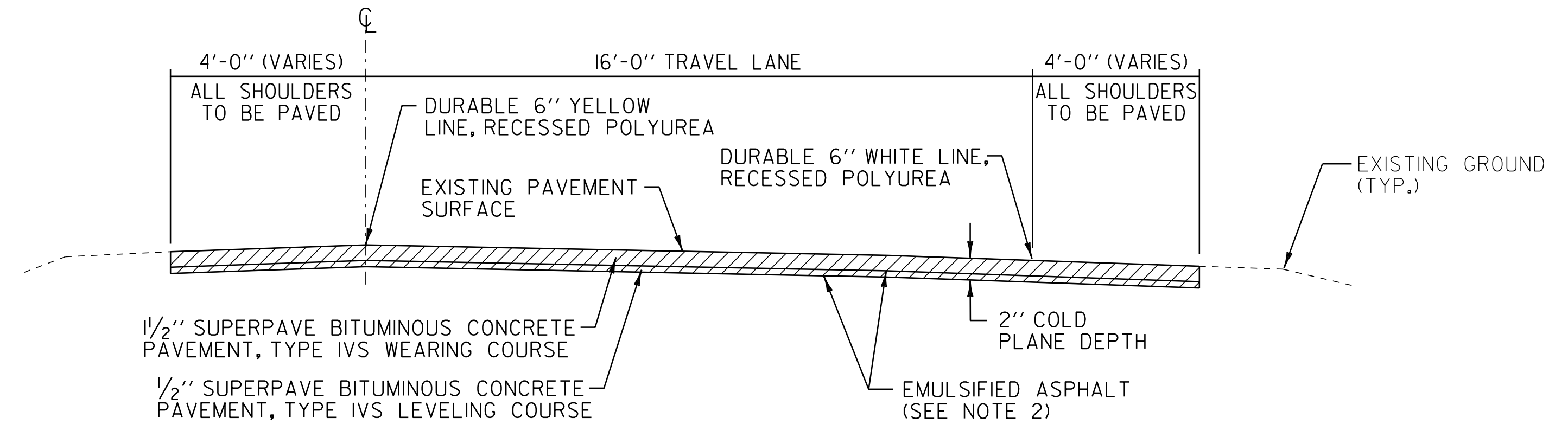
- THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE BASE COURSE FOR SHOULDER REPAIRS SHALL BE TYPE IIIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE BASE COURSE FOR ACCELERATION / DECELERATION LANE EXTENSIONS SHALL BE TYPE IS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT A RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
- COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. A FULL-DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT ALL APPROACHES AS DIRECTED BY THE RESIDENT ENGINEER. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ALL PURPOSE EXCAVATOR RENTAL OR POWER GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 30L40 SUBBASE, RAP. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS 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. IN AREAS OF RUTTING, THE COLD PLANE DEPTH SHOULD BE MEASURED FROM THE HIGH POINTS OF THE ROADWAY SECTION.
- THE CONTRACTOR SHALL REPAIR ALL SHOULDERS THAT ARE GREATER THAN 10' WIDE AS SHOWN ON THE TYPICAL SECTION AS DIRECTED BY THE RESIDENT ENGINEER. ALL SHOULDERS LESS THAN 10' IN WIDTH SHALL BE COLD PLANED AND PAVED THE SAME AS THE ADJACENT TRAVEL LANES. THE CONTRACTOR SHALL REBUILD THE EXISTING SHOULDERS IN THE VICINITY OF INTERCHANGE 9 AS SHOWN ON SHEET 5 FOR THE ACCELERATION/ DECELERATION LANE EXTENSION DETAILS. IF THE CONTRACTOR ELECTS TO COLD PLANE THE 10' SHOULDER PRIOR TO COLD PLANING THE ADJACENT TRAVEL LANE, THE 2" BASE COURSE SHALL BE PAVED THE SAME WORKDAY. IF THE CONTRACTOR CHOOSES TO COLD PLANE THE 4" ON THE 10' SHOULDER IN TWO PASSES, PAYMENT FOR COLD PLANING WILL ONLY BE MADE FOR THE FIRST PASS. FINAL GRADING OF THE EXPOSED SHOULDER SUBBASE MATERIAL SHALL BE COMPLETED AS DIRECTED BY THE RESIDENT ENGINEER. AN ESTIMATED QUANTITY OF ITEM 608.15 POWER GRADER RENTAL HAS BEEN INCLUDED TO COMPLETE THIS GRADE.
- ALL DI'S AND CB'S TO BE REHABILITATED AS SHOWN ON THE PLANS AND PAID FOR UNDER 604.412, 604.415, 604.418 REHAB. DI, CB OR MH CLASS I, II, III, SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS ~~LEVEL~~ WITH THE SURROUNDING TERRAIN. TYPE B GRATES SHALL BE USED FOR ALL REHABILITATED DI'S AND CB'S IN PAVEMENT ADJACENT TO BITUMINOUS CURBING. DRAINAGE STRUCTURES CALLING FOR REHAB HAVE BEEN EVENLY DISTRIBUTED BETWEEN ITEMS 604.412, 604.415, AND 604.418 FOR ESTIMATING PURPOSES. **3/4" BELOW**
- THE CONTRACTOR SHALL PAVE ALL U-TURNS LOCATED WITHIN THE PROJECT AREA AS DETAILED ON SHEET 4 OR AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL EDGES OF PAVEMENT AND TREATED TIMBER CURB SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.J3 AGGREGATE SHOULDERS, RAP.
- ITEM 616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHERE SPECIFIED IN THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS AROUND DROP INLETS) SHALL BE PAID FOR AT THE CONTRACT PRICE FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- 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 AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE MADE UNDER ITEM 203.40 SHOULDER BERM REMOVAL.
- ESTIMATED QUANTITIES OF EARTH BORROW AND AGGREGATE SHOULDERS HAVE BEEN INCLUDED FOR CONSTRUCTING AND RESHAPING THE AREAS AROUND THE MANUFACTURED TERMINAL SECTION FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 3" DEPTH OF AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDER MATERIAL AND 10 CUBIC YARDS OF EARTH BORROW FOR EACH GUARDRAIL TERMINAL BEING RESHAPED AND 25 CUBIC YARDS OF EARTH BORROW FOR EACH NEW GUARDRAIL TERMINAL BEING INSTALLED.
- ALL DELINEATORS WITHIN THE PROJECT AREA ARE TO BE REPLACED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 676.J0 DELINEATOR WITH STEEL POST.
- AN ESTIMATED QUANTITY OF ITEM 619.I7 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.
- AREAS ADJACENT TO THE SHOULDER WHERE NO GUARDRAIL EXISTS THAT HAVE BUILT UP EXCESS MATERIAL ARE TO BE GRADED IN ORDER TO ALLOW THE SHOULDER TO DRAIN AS DIRECTED BY THE RESIDENT ENGINEER AND SHALL BE PAID FOR UNDER ITEM 608.15 POWER GRADER RENTAL.
- ESTIMATED QUANTITIES OF ITEM 613.I0 STONE FILL, TYPE I; ITEM 649.3I GEOTEXTILE UNDER STONE FILL; ITEM 653.20 TEMPORARY EROSION MATTING; AND ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I HAVE BEEN INCLUDED TO PROVIDE FOR THE REPAIR OF EXISTING STONE LINED DRAINAGE OUTLETS OR WASHOUTS LOCATED ALONG THE ROADWAY SIDE SLOPES AS DIRECTED BY THE RESIDENT ENGINEER.
- STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT. 3' OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6' POSTS. IF THIS CANNOT BE OBTAINED, THEN 8' POSTS SHALL BE USED.



NORTHBOUND MAINLINE TYPICAL SECTION



SOUTHBOUND MAINLINE TYPICAL SECTION



RAMP TYPICAL SECTION

SEEDING FORMULA RURAL AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	98
37.5	22.5	TALL FESCUE	95	95
5.0	3.0	RED TOP	95	95
15.0	9.0	BIRDSFOOT TREFoil	98	98
5.0	3.0	ANNUAL RYEGRASS	95	95
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 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.

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

17. THE CONTRACTOR SHALL MAINTAIN COLD PLANE AND PAVING DEPTHS THAT DO NOT REDUCE THE CLEARANCE HEIGHTS OF THE ROADWAY OR SHOULDERS UNDER THE OVERPASS BRIDGES. THESE HEIGHTS SHALL BE RECORDED BY THE RESIDENT ENGINEER PRIOR TO THE START OF CONSTRUCTION AND SHALL BE REMEASURED AFTER PAVING OPERATIONS ARE COMPLETE. IF IT IS DETERMINED THAT A REDUCTION IN CLEAR HEIGHT HAS OCCURRED, THE CONTRACTOR SHALL RE-ESTABLISH THE ORIGINAL CLEAR HEIGHT AT NO ADDITIONAL EXPENSE TO THE STATE.

*** PRECONSTRUCTION AND POST CONSTRUCTION HEIGHTS WERE RECORDED AND FILED IN PROJECT COMPUTATIONS BINDER IN SECTION 490.30**

NOT TO SCALE

TYPICAL SECTION SHEET	PROJECT NAME: WINDSOR - HARTLAND	
	PROJECT NUMBER: IM 091-(161)	
	FILE NAME: p07al42.dgn	PLOT DATE: 16-AUG-2011 13:41
	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
	DESIGNED BY: M.J.L.	CHECKED BY: R.A.B.
	IPARM FILE: p07al42+yp.i	SHEET 3 OF 56