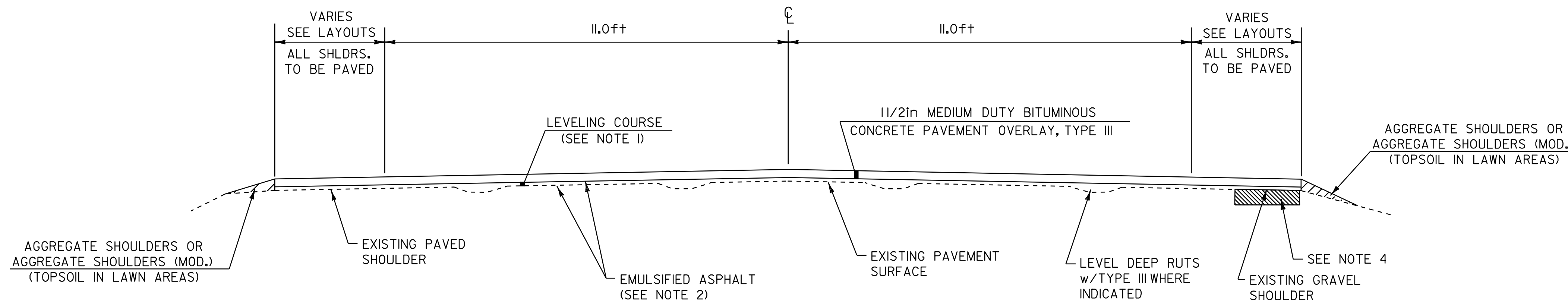


NOTES

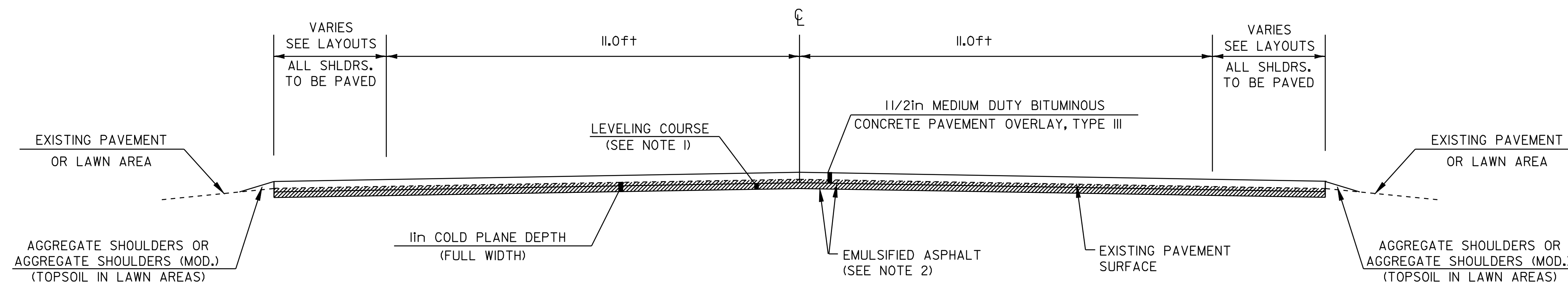
- THE PAVEMENT WEARING COURSE SHALL BE TYPE III.
THE LEVELING COURSE SHALL BE TYPE IV UNLESS OTHERWISE SHOWN IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER. LEVELING HAS BEEN INCLUDED TO RESHAPE THE ROADWAY PRIOR TO PAVING THE TOP COURSE ALONG THE OVERLAY AND COLD PLANE TYPICAL SECTIONS. AN ESTIMATED THICKNESS OF 1/2in. OF ITEM 406.27 HAS BEEN INCLUDED TO COVER THIS PROVISION.

ALL ASPHALT CEMENT USED IN THE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-34.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.015 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4in (TOTAL THICKNESS EXCLUDING LEVELING).
- EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER WILL BE EXCAVATED TO A DEPTH OF 3 in +/- OR AS DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS SUCH AS ALL PURPOSE EXCAVATOR RENTAL, GRADER RENTAL, LOADER RENTAL, TRUCK RENTAL, AND POWER BROOM RENTAL. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED) OR AGGREGATE SHOULDERS (MOD.).
- THREE FEET OF BACKING IS REQUIRED BEHIND THE FACE OF GUARD RAIL WITH 6 ft POSTS. IF THIS CANNOT BE OBTAINED THEN 8ft POSTS SHALL BE USED.
- 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.
- ITEMS 604.40 & 604.412 ARE ESTIMATED QUANTITIES AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY THE RESIDENT ENGINEER. ALL D.I.'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
- PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGH THE PROJECT, SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
- ALL DRIVES SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS DIRECTED AND WILL BE PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S). IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 301.28, SUBBASE OF CRUSHED GRAVEL (FINE GRADED). A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 406.27. ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
- 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. THE GUARD RAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3 in DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDER (MOD.) FOR EACH GUARD RAIL TERMINAL.
- ITEM 616.47, BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHERE SPECIFIED IN THE PLANS. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS DRIVE AND SIDEROAD APPROACHES AND AROUND DRAINAGE/UTILITY STRUCTURES), SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 406.27, MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-34).
- 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 402.12, AGGREGATE SHOULDERS (MOD.). ADDITIONAL MATERIAL REQUIRED AFTER THE COLD PLANE GRINDINGS ARE USED WILL BE PAID FOR UNDER ITEM 402.12, AGGREGATE SHOULDERS.
- COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, ITEM 402.12, AGGREGATE SHOULDER MATERIAL, AND ITEM 651.35, TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT PRICE OF EACH ITEM.
- YIELDING MARKER POSTS ARE TO BE USED TO REPLACE NON-YIELD MARKER POSTS AT PIPE INLETS AND OUTLETS ONLY.



OVERLAY TYPICAL SECTION

CAMBRIDGE
~~STA 0+00 TO 202+14~~
~~3+50~~
WATERVILLE
~~STA 0+00 TO 18+50~~ ~~17+75~~
~~34+00~~ ~~TO 222+51~~
~~34+50~~
BELVIDERE
~~STA 0+00 TO 133+00~~
~~131+00~~



COLD PLANED TYPICAL SECTION

WATERVILLE
~~STA 18+50 TO 34+00~~
~~17+75~~ ~~34+50~~
BELVIDERE
~~STA 133+00 TO 153+66~~
~~131+00~~
CAMBRIDGE
~~STA. 0+00 TO 3+50~~

PROJECT PAVING LIMITS

| TOWN & ROUTE | BEGIN STATION | END STATION | LANE TYPICAL | WEARING DEPTH | LEVELING Tons | NOTES |
|---------------------------|--|--|-----------------------------|---------------|---------------|--|
| CAMBRIDGE - VT ROUTE 109 | 3+50 0+00 | 202+14 | 2.0ft-11.0ft-11.0ft-2.0ft | 1 1/2 in | 2,430 | LEVEL DEEP RUTS w/TYPE III, LEVEL & PAVE W/1 1/2 in TYPE III |
| WATERVILLE - VT ROUTE 109 | 0+00 | 17+75 18+50 34+00 | 2.0ft-11.0ft-11.0ft-2.0ft | 1 1/2 in | 150 | LEVEL & PAVE W/1 1/2 in TYPE III |
| | 17+75 18+50 34+00 | 34+00 222+51 | 2.0ft-11.0ft-11.0ft-2.0ft | 1 1/2 in | 130 | COLD PLANE 1in, LEVEL & PAVE W/1 1/2 in TYPE III |
| | 34+50 | 222+51 | VARIES-11.0ft-11.0ft-VARIES | 1 1/2 in | 1,530 | LEVEL & PAVE W/1 1/2 in TYPE III |
| BELVIDERE - VT ROUTE 109 | 0+00 | 131+00 133+00 | 3.0ft-11.0ft-11.0ft-3.0ft | 1 1/2 in | 1,140 | LEVEL & PAVE W/1 1/2 in TYPE III |
| | 133+00 | 153+66 | 3.0ft-11.0ft-11.0ft-3.0ft | 1 1/2 in | 190 | COLD PLANE 1in, LEVEL & PAVE W/1 1/2 in TYPE III |
| | 131+00 | | | | | |

PROJECT TYPICAL SHEET #1

DESIGNED BY BCE/PJM DATE 8-05
 DRAWN BY C.E.A., INC. DATE 8-05
 DESIGN FILE NO. p99c190.dgn
 PRF FILE p99c190+typ1.i DATE 12-DEC-2008
 PROJ. NAME **CAMBRIDGE - BELVIDERE**
 PROJ. NO. **STP 2219(1)S**
 SHEET **2** OF **37** SHEETS