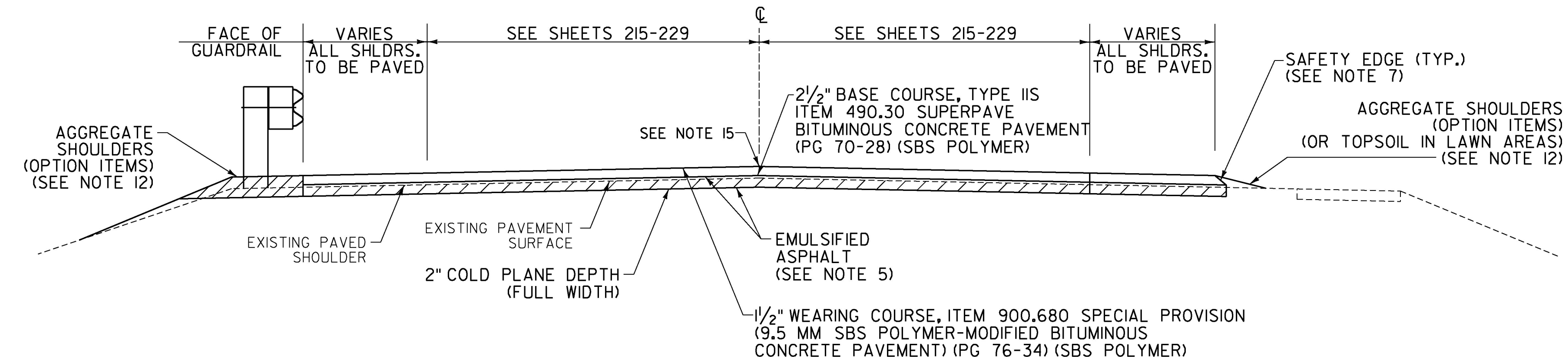


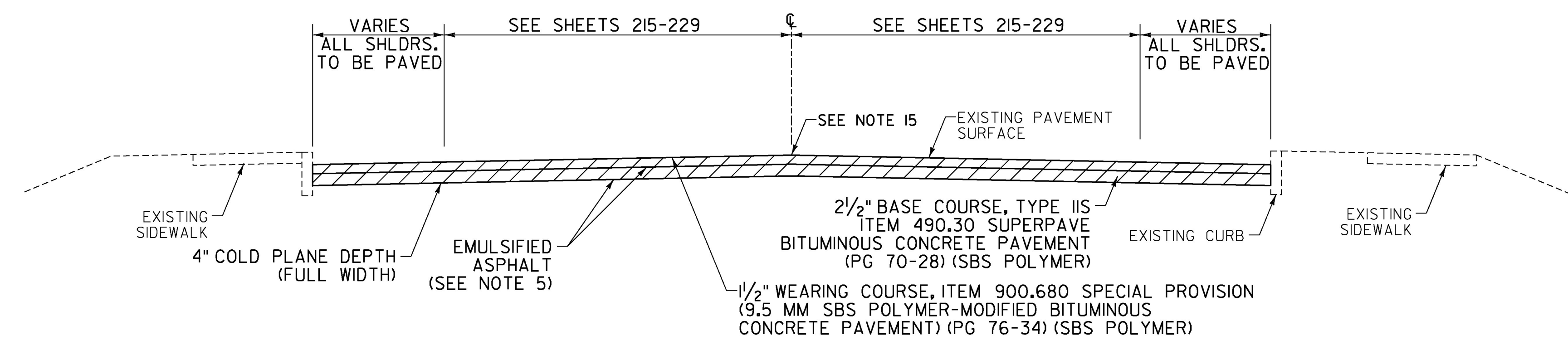
**COLD PLANE TYPICAL SECTION - NON-CURBED**

WILLISTON VT ROUTE 2A STA. 148+05.12 TO 160+03  
 WILLISTON VT ROUTE 2A STA. 175+00 TO 194+90  
 WILLISTON VT ROUTE 2A STA. 204+49 TO 205+44.48



**COLD PLANE & OVERLAY TYPICAL SECTION**

WILLISTON VT ROUTE 2A STA. 161+03 TO 174+00



**COLD PLANE TYPICAL SECTION - CURBED**

WILLISTON VT ROUTE 2A STA. 194+90 TO 204+49

**NOTES**

1. COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AREAS BY THE USE OF A VERTICAL COLD PLANE JOINT. SEE DETAIL ON SHEET 201.
2. ALL COLD PLANE SURFACES SHALL HAVE SURFACE PREPARATION BEFORE PAVING CONSISTING OF POT HOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST ONE INCH IN WIDTH. THIS WILL BE PAID UNDER ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE 1) SEE DETAIL ON SHEET 201.
3. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE PAVEMENT SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO THE WEARING COURSE ITEM.
4. THE WEARING COURSE SHALL BE ITEM 900.680 SPECIAL PROVISION (9.5 MM SBS POLYMER-MODIFIED BITUMINOUS CONCRETE PAVEMENT) (PG 76-34) (SBS POLYMER). THE BINDER FOR THE WEARING COURSE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR THAT ITEM. THE BASE COURSE SHALL BE ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28) (SBS POLYMER) TYPE IIS. ANY NECESSARY MODIFICATIONS TO PRODUCE THE PG 70-28 ASPHALT BINDER ARE RESTRICTED TO SBS POLYMERS.
5. EMULSIFIED ASPHALT TYPE CRS-IH OR RS-IH SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES. BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES. ALL EXISTING AND COLD PLANED SURFACES SHALL HAVE AN APPLICATION RATE OF 0.08 GAL/SY. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL OTHER PAVED SURFACES AT THE RATE OF 0.025 TO 0.040 GAL/SY. PAVEMENT WILL BE MADE UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-IH OR CRS-IH).
6. ITEM 900.680 SPECIAL PROVISION (9.5 MM SBS POLYMER-MODIFIED BITUMINOUS CONCRETE PAVEMENT) (PG 76-34) (SBS POLYMER). TOLERANCE = +/- 1/4 INCH (TOTAL THICKNESS)  
 ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28) (SBS POLYMER) TOLERANCE = +/- 1/4 INCH (TOTAL THICKNESS).
7. EDGES OF NEW PAVEMENT WITHIN UNCURBED SECTIONS SHALL INCLUDE A SAFETY EDGE AS SHOWN ON HIGHWAY SAFETY & DESIGN DETAIL HSD-400.01.
8. ALL RESIDENTIAL AND COMMERCIAL DRIVES AND PULL-OUTS SHALL RECEIVE A FOUR FOOT PAVED APRON, AND ALL FIELD DRIVES SHALL RECEIVE A TWO FOOT PAVED APRON. PAYMENT WILL BE MADE UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) UNLESS OTHERWISE DIRECTED BY THE ENGINEER (FOR DETAILS, SEE SHEET 203).
9. ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS EITHER ITEM 900.680 SPECIAL PROVISION (9.5 MM SBS POLYMER-MODIFIED BITUMINOUS CONCRETE PAVEMENT) (PG 76-34) (SBS POLYMER) OR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 70-28) (SBS POLYMER) AS DIRECTED BY THE ENGINEER.
10. SIDEWALK RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME DETECTABLE WARNING PLATES FROM THE AGENCY'S APPROVED PRODUCT LIST.
11. 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 ENGINEER.
12. A QUANTITY FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II AND ITEM 604.40 CHANGING ELEVATION OF DI, CB, OR MH HAS BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ALL DIs SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN. DRAINAGE STRUCTURES HAVE BEEN DISTRIBUTED BETWEEN ITEMS 604.40, 604.412, AND 604.415 FOR ESTIMATING PURPOSES.
13. AGGREGATE SHOULDERS (OPTION ITEMS) SHALL BE USED TO BACK UP EDGES OF PAVEMENT, EXCEPT IN LAWN AREAS WHERE ITEM 651.35 TOPSOIL SHALL BE USED.
14. AN ESTIMATED QUANTITY OF ITEM 608.15, POWER GRADER RENTAL HAS BEEN INCLUDED FOR THE EXCAVATION OF UNPAVED SHOULDERS AND REMOVING BUILT UP, SAND, ETC. ADJACENT TO THE SHOULDERS IN NON GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER.
15. ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I, ITEM 608.37 TRUCK RENTAL AND ITEM 608.40 LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END TERMINAL FLARES WITH EXCAVATED DITCHING MATERIAL. AN ESTIMATED 25 CUBIC YARDS OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED FOR EACH NEW GUARDRAIL END TERMINAL FLARE IN THE CASE THAT THE DITCHING MATERIAL IS NOT SUITABLE TO USE FOR THIS PURPOSE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON ALL SLOPES CREATED BY THE GUARDRAIL END TERMINAL FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE TO BE USED AS DIRECTED BY THE ENGINEER. PRIOR TO THE PLACEMENT OF TEMPORARY EROSION MATTING, THE AREA SHALL BE TOPSOILED AND SEEDING USING ITEM 651.35, TOPSOIL AND ITEM 651.15 SEED.
16. THE LOCATION OF THE ROADWAY CROWN VARIES IN RELATION TO THE CENTERLINE ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN THE ROADWAY CROWN IN ITS EXISTING LOCATION.

NOT TO SCALE

PROJECT NAME: WILLISTON	
PROJECT NUMBER: NH 2949(1)	
FILE NAME: z12d224typ.dgn	PLOT DATE: 3/1/2017
PROJECT LEADER: G. EDWARDS	DRAWN BY: D. BARNES
DESIGNED BY: D. BARNES	CHECKED BY: J. LITTLE
TYPICAL SECTION SHEET 1	SHEET 200 OF 249

