

**NOTES:**

1. ITEM 201.31 "THINNING AND TRIMMING FOR SIGNS" HAS BEEN INCLUDED TO REMOVE ANY VEGETATION, PARTIAL AND FULL TREE REMOVAL, AND ANY ASSOCIATED GRUBBING WITHIN THE SIGN CLEARANCE AREA. THE ENGINEER MAY EXCLUDE REMOVAL IN SOME AREAS WHERE DEEMED NECESSARY AND APPROPRIATE OR NECESSITATED BY PERMIT REQUIREMENTS PER THE CONSTRUCTION ENVIRONMENTAL ENGINEER'S RECOMMENDATIONS.
2. COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL SECTION OR AS NOTED OTHERWISE IN THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF THE CONSTRUCTION AREAS BY THE USE OF A VERTICAL COLD PLANE JOINT. SEE DETAIL ON SHEET 77 & 78.
3. ALL COLD PLANED SURFACES SHALL HAVE SURFACE PREPARATION BEFORE PAVING, CONSISTING OF POTHOLE PATCHING AND PATCHING OF ALL CRACKS THAT ARE AT LEAST 1" IN WIDTH. THIS WILL BE PAID UNDER ITEM 900.680 "SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE 1)".
4. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED TO A DEPTH OF THREE INCHES OR AS DIRECTED BY THE ENGINEER. EXCAVATION SHALL BE PAID UNDER ITEM 608.25 "ALL PURPOSE EXCAVATOR RENTAL, TYPE 1". MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED", AS DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES, OR REMOVED FROM THE PROJECT AS DIRECTED BY THE ENGINEER. WORK WILL BE PAID UNDER APPLICABLE RENTAL ITEMS.
5. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE ENGINEER AND WILL BE PAID UNDER ITEM 900.680 "SPECIAL PROVISION (AGGREGATE SHOULDERS, RAS)".
6. EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANE SURFACES. ALL COLD PLANE 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 PAID UNDER OPTION ITEM 404.65 "EMULSIFIED ASPHALT (RS-1) OR OPTION ITEM 900.683 "SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)".
7. THE PAVEMENT WEARING AND LEVELING COURSES SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE AS SPECIFIED IN SUBSECTION 490.03 (b).
8. ALL PAVED AND GRAVEL RESIDENTIAL AND COMMERCIAL DRIVES SHALL RECEIVE A PAVED APRON OF FOUR FEET AND ALL FIELD AND WOODS DRIVES SHALL RECEIVE A TWO FOOT PAVED APRON UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER. ANY AND ALL REQUIRED EXCAVATION AND ASSOCIATED DRIVE GRADING IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 900.675 "SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)". ALL OTHER BITUMINOUS MATERIAL PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 "SUPERPAVE BITUMINOUS CONCRETE PAVEMENT".
9. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL THICKNESS, EXCLUDING LEVELING).
10. EDGES OF PAVEMENT SHALL INCLUDE A SAFETY EDGE AS SHOWN ON HSD-400.01.
11. A QUANTITY FOR ITEM 604.412 "REHAB DI, CB OR MH CLASS 1", HAS BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN.
12. DAMAGE TO ANY DI'S, CROSS CULVERTS OR OTHER DRAINAGE FEATURES AS A RESULT OF THE CONTRACTORS OPERATIONS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
13. ITEM 613.10 "STONE FILL, TYPE 1"; ITEM 653.20 "TEMPORARY EROSION MATTING" AND ITEM 608.25 "ALL PURPOSE EXCAVATOR RENTAL, TYPE 1" HAVE BEEN INCLUDED FOR CURB REMOVAL AREAS AND TO REPAIR EXISTING STONE LINED DRAINAGE OUTLETS OR WASHOUTS LOCATED ALONG THE ROADWAY SIDE SLOPES AS DIRECTED BY THE ENGINEER.
14. A QUANTITY HAS BEEN ESTIMATED FOR ITEM 617.10 "RELOCATE MAILBOX, SINGLE SUPPORT" AND ITEM 617.12 "RELOCATE MAILBOX, MULTIPLE SUPPORT", TO BE USED AS DETERMINED BY THE ENGINEER.
15. AN ESTIMATED QUANTITY FOR ITEM 619.17 "YIELDING MARKER POSTS" HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE THE PAVEMENT SURFACES OR AS DIRECTED BY THE ENGINEER.
16. ESTIMATED QUANTITIES OF ITEMS 608.25, "ALL PURPOSE EXCAVATOR RENTAL, TYPE 1", 608.37, "TRUCK RENTAL", AND 608.40, "LOADER RENTAL, TYPE 1" HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTIONS WITH EXCAVATED DITCHING MATERIAL AND THE REMOVAL OF BUILT UP EXCESS SHOULDER MATERIAL IN NON-GUARDRAIL LOCATIONS.
17. AN ESTIMATED QUANTITY OF ITEM 203.30, "EARTH BORROW" HAS BEEN INCLUDED FOR USE WITH THE GUARDRAIL END TERMINAL AREA. 25 CY OF ITEM 203.30, "EARTH BORROW" HAS BEEN ESTIMATED FOR EACH NEW END TERMINAL AREA. GUARDRAIL END TERMINAL AREAS SHALL BE CAPPED WITH AN ESTIMATED THREE INCH DEPTH OF ITEM 651.35, "TOPSOIL" UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE QUANTITIES INCLUDED REFLECT FIVE CY OF ITEM 651.35, "TOPSOIL" FOR EACH NEW GUARDRAIL END SECTION. ITEM 653.20, "TEMPORARY EROSION MATTING" SHALL BE PLACED ON SLOPES GREATER THAN 1:6 CREATED BY THE GUARDRAIL END SECTIONS. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20, "TEMPORARY EROSION MATTING" FOR EACH NEW GUARDRAIL END SECTION. 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".
18. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
19. WHEN FINISHED GRADE HAS BEEN MET, THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIGNS BEING RETAINED ARE IN CONFORMANCE WITH VAOT STANDARD E-121 AS DIRECTED BY THE ENGINEER.
20. THERE IS BURIED TELEPHONE LINE ALONG STATIONING LEFT IN NORTHFIELD FROM MILE MARKER 0.025 - 2.545 LT AND IN WILLIAMSTOWN FROM MILE MARKER 0.000 - 0.333 LT. THE CONTRACTOR IS CAUTIONED TO PROTECT THESE FACILITIES FROM DAMAGE. ANY DAMAGE TO THESE FACILITIES AS A RESULT OF THE CONTRACTOR'S OPERATIONS WILL BE REPAIRED AT THE COST OF THE CONTRACTOR, NOT THE STATE OR UTILITY OWNER.

NOT TO SCALE

PROJECT NAME:	NORTHFIELD - WILLIAMSTOWN		
PROJECT NUMBER:	STP 2959(I)		
FILE NAME:	z15v022typ.dgn	PLOT DATE:	4/26/2016
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PROJECT NOTES SHEET		SHEET	73 OF 202