

GENERAL

1. TOPOGRAPHY AND PLANIMETRIC DATA SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEY COMPLETED BY DUBOIS & KING, INC. IN 2013.
2. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
3. ALL UTILITY POLES ARE TO REMAIN UNDISTURBED UNLESS OTHERWISE NOTED IN THESE PLANS.
4. SUBSURFACE FEATURES SUCH AS ELECTRIC AND TELEPHONE LINES, WATER LINES, SEWER LINES, STORM DRAIN AND CULVERTS, ETC., ENCOUNTERED IN THE CONSTRUCTION OF THE PROJECT SHALL BE PROTECTED, SUPPORTED, OR REMOVED AND REPLACED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT UNLESS PAYMENT IS SPECIFICALLY NOTED AS A SEPARATE PAY ITEM. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES AND/OR HIGHWAY DEPARTMENTS WHEN THE WORK INVOLVES THEIR RESPECTIVE FACILITIES. SEE THE UTILITIES SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. ANY SURFACE OR SUBSURFACE FEATURES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE RESTORATION SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.
6. FORMATION OF EMBANKMENTS (INCLUDING COMPACTION) SHALL BE CONSTRUCTED IN ACCORDANCE WITH DIVISION 200 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. SUITABLE MATERIAL SHALL MEET THE REQUIREMENTS OF DIVISION 700. PAYMENT FOR CONSTRUCTION OF THE ROADWAY EMBANKMENT USING EXCAVATED MATERIAL SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.15 "COMMON EXCAVATION" OR ITEM 203.27 "UNCLASSIFIED CHANNEL EXCAVATION".
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DUST CREATED AS A RESULT OF CONSTRUCTION DOES NOT CREATE A NUISANCE OR A SAFETY HAZARD. WHERE AND WHEN DEEMED NECESSARY BY THE ENGINEER, THE CONTRACTOR WILL BE REQUIRED TO WET SECTIONS OF THE CONSTRUCTION AREA WITH WATER. THIS SHALL BE PAID FOR UNDER ITEM 609.10, "DUST CONTROL WITH WATER."
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FIELD MEASUREMENTS OF ALL EXISTING CONDITIONS AFFECTING THE WORK. ANY DISCREPANCIES IN DIMENSIONS, CHARACTER OR EXTENT OF EXISTING FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ADVANCING THE WORK. WORKING DRAWINGS REQUIRED FOR VARIOUS ITEMS OF THE WORK SHALL INDICATE THE ACTUAL FIELD MEASUREMENTS BY THE CONTRACTOR PRIOR TO SUBMITTAL FOR THE ENGINEER'S APPROVAL AND SHALL BE SO NOTED.
9. ITEM 201.10 "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS" HAS BEEN INCLUDED TO REMOVE ANY VEGETATION, PARTIAL AND FULL TREE REMOVAL (INCLUDING STUMPS), THINNING AND TRIMMING FOR SIGNS, AND ANY ASSOCIATED GRUBBING WITHIN ESTABLISHED ROW. 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.
10. ALL EXCESS EXCAVATED EARTH SHALL BE DISPOSED OF OFF-SITE, IN A NON-WETLAND OR DRAINAGE WAY AREA. ALL WOODY DEBRIS (TREE LIMBS, BRANCHES, ETC.) SHALL BE CHIPPED AND MULCHED ON-SITE AND USED FOR TEMPORARY EROSION CONTROL. ALL CUT TREE LOGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ALL STUMPS SHALL BE GROUND DOWN ON SITE AND THE CHIPS USED AS EROSION CONTROL. PAYMENT FOR THE DISPOSAL OF EXCESS EXCAVATED MATERIAL SHALL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 203.15, "COMMON EXCAVATION". PAYMENT FOR THE CUTTING AND DISPOSAL OF TREE LOGS, CHIPPING AND SPREADING OF WOODY DEBRIS AND GRINDING OF STUMPS SHALL BE PAID FOR UNDER ITEM 201.10, "CLEARING & GRUBBING INCL. INDV. TREES & STUMPS".
11. RESTORATION OF DISTURBED AREAS: RESTORE DISTURBED AREAS, EXCEPT STONE FILL AREAS AND MULCHED AREAS, WITH TWO INCHES TOPSOIL, SEED, FERTILIZER AND MULCH, UNLESS THE ENGINEER DIRECTS THE USE OF SUITABLE EXCAVATED MATERIAL.
12. THE FINISH GRADE SLOPES AND DITCHES SHALL BE CONSTRUCTED AS SHOWN ON THE PLAN, DETAILS AND CROSS SECTIONS. FINISH SLOPES, DITCHES AND DISTURBED AREAS SHALL RECEIVE A MINIMUM OF TWO INCHES OF TOPSOIL AND SHALL BE FERTILIZED, SEED, AND MULCHED. TURF ESTABLISHMENT SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 651. ALL FILL SHALL BE PLACED IN SIX INCH LIFTS AND THOROUGHLY COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D698 STANDARD PROCTOR, UNLESS OTHERWISE SPECIFIED.
13. DELETED
14. ALL COMMERCIAL AND RESIDENTIAL PROPERTY OWNERS SHALL BE GIVEN 48 HOURS ADVANCE NOTIFICATION WHEN CONSTRUCTION IS TO TAKE PLACE ADJACENT TO PROPERTIES.
15. YIELDING MARKER POSTS FOR CULVERTS SHALL BE PLACED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
16. ALL SLOPES, PLACEMENT OF EMBANKMENT MATERIAL AND STEPPING OF LAYERS INTO OLD GROUND SHALL BE IN ACCORDANCE WITH STANDARD DRAWING B-5.
17. TACK COAT / EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.04 GAL/SY BETWEEN SUCCESSIVE COURSES OF NEW PAVEMENT AND 0.08 GAL/SY BETWEEN EXISTING/COLD PLANED SURFACES AND A NEW SURFACE OR AS DIRECTED BY THE ENGINEER.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING AND UNDERSTANDING ALL APPLICABLE ENVIRONMENTAL PERMITS AND ENSURE THAT ALL CONSTRUCTION REQUIREMENTS ARE MET.
19. ALL DRIVES SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS DIRECTED BY THE ENGINEER AND WILL BE PAID FOR UNDER THE APPLICABLE 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 900.675, "SPECIAL PROVISION (HAND PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)".
20. AT COMPLETION OF GRADING, THE SLOPES, DITCHES, AND ALL DISTURBED AREAS SHALL BE SMOOTH AND FREE OF POCKETS WITH SUFFICIENT SLOPE TO ENSURE DRAINAGE.
21. NO WORK BEYOND THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS WILL BE ALLOWED. WORKING OUTSIDE OF THESE LIMITS MAY TRIGGER ADDITIONAL PERMITTING REQUIREMENTS, WHICH WILL BE THE CONTRACTOR'S RESPONSIBILITY.
22. THE CONTRACTOR SHALL SUBMIT SEDIMENT AND EROSION CONTROL METHODS TO THE ENGINEER FOR APPROVAL 14 DAYS PRIOR TO START OF WORK.
23. TYPICAL CROSS SECTIONS ARE MEANT FOR GUIDANCE ONLY. FIELD CONDITIONS MAY VARY AND MUST BE VERIFIED BY THE CONTRACTOR.
24. A QUANTITY OF ITEM 204.21 "TRENCH EXCAVATION OF ROCK" HAS BEEN INCLUDED IN THE EVENT LEDGE IS ENCOUNTERED DURING THE INSTALLATION OF PROPOSED DRAINAGE OR UNDERDRAIN OUTSIDE THE LIMITS OF UNCLASSIFIED CHANNEL EXCAVATION.

STONE FILL

1. STONE FILL MUST BE PLACED IN A MANNER THAT WILL NOT SEPARATE SMALL AND LARGE STONES. PLACEMENT BY DUMP TRUCK OR DOZER WILL NOT BE ALLOWED. REGULAR MIXING OF THE STONE FILL STOCKPILE DURING INSTALLATION MAY BE NECESSARY TO PREVENT SEPARATION OF THE SMALL AND LARGE STONES.
2. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE STONE FILL AS A WELL-COMPACTED MASS, WITH STONES INTERLOCKED WITH EACH OTHER AND WITH NO LARGE VOIDS TO REDUCE THE POTENTIAL FOR UPLIFT AND MOVEMENT AND TO PREVENT GRUBBING MATERIAL FROM WASHING INTO THE STONE.
3. TO ACHIEVE A WELL-COMPACTED MASS, THE CONTRACTOR MAY BE REQUIRED TO FOLLOW THE INITIAL PLACEMENT OF STONE FILL WITH ADDITIONAL PASSES OF SMALLER MATERIAL. SELECTIVE HAND PLACEMENT OF STONE FOLLOWED BY COMPACTION MAY ALSO BE REQUIRED. PAYMENT WILL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE STONE FILL CONTRACT ITEM.
4. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AN OPPORTUNITY TO INSPECT, WITH 48-HOUR PRIOR NOTICE, AN IN-PLACE STONE FILL TEST SECTION. THE TEST SECTION SHALL BE BETWEEN 10 AND 20 FEET LONG AND BE INSTALLED TO THE DEPTH AND ELEVATIONS INDICATED IN THE CONTRACT DOCUMENTS. INSTALLATION OF ADDITIONAL STONE FILL IS NOT TO CONTINUE UNTIL THE ENGINEER HAS COMPLETED AND APPROVED, OR WAIVED THE INSPECTION.
5. CONTRACTOR SHALL PLACE A 12 INCH (MINIMUM) LAYER OF GRUBBING MATERIAL OVER THE TOP OF THE STONE FILL SLOPE DOWN TO THE ORDINARY HIGH WATER (OHW) ELEVATION. GRUBBING MATERIAL SHALL BE WORKED IN TO THE STONE FILL MASS AND INTO ANY SMALL REMAINING SURFACE VOIDS AND CREVICES. ON-SITE EXCAVATED GRUBBING MATERIAL MAY BE USED IF, IN THE OPINION OF THE ENGINEER, AS ADEQUATE PERCENTAGE OF FINES AND ORGANICS IS PRESENT IN THE MATERIAL TO SUPPORT A GRASS COVER.
6. GRUBBING MATERIAL SHALL BE SEED WITH A VAOT RURAL AREA MIX. SEE EROSION CONTROL DETAILS SHEET I FOR FORMULA.

UTILITIES

1. UTILITIES INFORMATION SHOWN HEREON WAS OBTAINED FROM THE BEST AVAILABLE SOURCES AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, SHOWN OR NOT SHOWN HEREON. CONTRACTOR SHALL CONNECT OR RECONNECT ALL UTILITIES TO THE NEAREST SOURCE THROUGH COORDINATION WITH THE UTILITY OWNER.
2. THE CONTRACTOR SHALL NOT DISRUPT ANY EXISTING UTILITY SERVICE (PRIVATE OR PUBLIC) WITHOUT WRITTEN AUTHORIZATION FROM VTRANS.
3. THE CONTRACTOR SHALL CONTACT "DIG SAFE" [1-888-DIG-SAFE (1-888-344-7233)] AND ALL AFFECTED UTILITY COMPANIES PRIOR TO PERFORMING ANY EXCAVATION, IN ACCORDANCE WITH DIG SAFE'S RULES OF NOTIFICATION.
4. SEE THE UTILITIES SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



REV	DATE	DESCRIPTION
1	3/24/2015	NOTE 13 DELETED AND NOTE 24 MODIFIED

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FILE NAME: z12c524notes.dgn PLOT DATE: 3/24/2015
PROJECT LEADER: J. TUCKER DRAWN BY: B. MACK
DESIGNED BY: B. BRESLEND CHECKED BY: A. SANZ
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