

PROJECT NOTES:

RIGHT-OF-WAY NOTES:

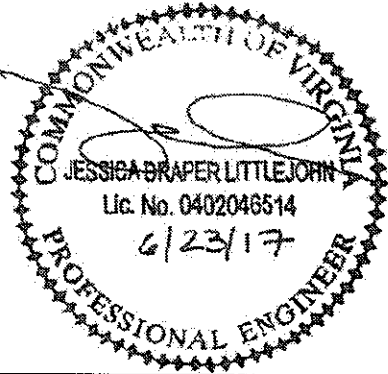
1. ALL PATCHES ARE TO BE REPLACED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS AND AS SHOWN IN THE WWA DETAIL G-12.
2. ALL EXCAVATIONS OR OPEN CUTS SHALL COMPLY WITH OSHA TECHNICAL MANUAL, CHAPTER 2, TITLE EXCAVATION HAZARD RECOGNITION IN TRENCHING AND SHORING.
3. BACKFILL MATERIAL SHALL INCLUDE A MINIMUM OF FOUR (4") INCHES BEDDING MATERIALS, SAND OR STONE. THE BALANCE OF THE BACKFILL SHALL BE APPROVED SOIL COMPACTED TO THE BOTTOM OF SUBBASE LAYER (TYPE I, SIZE 21 A OR 21 B). THE ENTIRE BACKFILL SHALL BE FREE FROM WOOD, DECAYING MATERIAL, ASPHALT, CONCRETE, ICE, FROST, LARGE CLOUDS, STONE, AND DEBRIS.
4. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE THEORETICAL MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, AS DETERMINED BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION TESTING PROCEDURES (VTM1), USE MECHANICAL TAMPING THROUGHOUT THE DEPTH OF THE TRENCH IN SIX (6") LAYERS TO ENSURE THAT ADEQUATE SUPPORT IS PROVIDED FOR THE SUBBASE LATER (TYPE I, SIZE 21 A OR 21 B).
5. THE CUT TO BE BACKFILLED SHALL BE MADE AS DRY AS PRACTICABLE AT THE TIME OF BACK FILLING BY PUMPING, BAILING, DRAINING, OR OTHER APPROVED DEWATERING.
6. ALL SIDES CUTS SHALL BE TRIMMED TO NEAT STRAIGHT LINES AND A TACK COAT SHALL BE APPLIED AT A RATE OF 0.1 GALLONS PER SQUARE YARD OF RC-250 BEFORE PLACING THE PLANT MIX.
7. REPLACEMENT OF PAVEMENT SHALL BE FROM EDGE OF PAVEMENT TO EDGE OF LANE EXCEPT WHEN OTHERWISE APPROVED BY WWA.
8. REPLACEMENT OF ALL ASPHALT CONCRETE AND SURFACE TREATED COURSES SHALL BE ROLLED WHERE POSSIBLE WITH A UNIT HAVING A MANUFACTURER'S RATING OF TEN (10) TONS, AND ROLLED UNTIL THE AGGREGATE IS KEYED INTO THE BITUMEN. WHERE ROLLING IS NOT POSSIBLE, A MECHANICAL TAMP WILL BE USED. IN ALL CUTS, STONE IS TO BE PLACED IN THE TRENCH UP TO MAXIMUM LENGTH OF 500 FEET, AT WHICH TIME THE PAVEMENT SHALL BE COVERED WITH A TEMPORARY OR PERMANENT ASPHALT PATCH. IF THE APPLICATION OF THE BITUMINOUS LAYER IS DELAYED FOR ADVERSE WEATHER CONDITIONS, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A BASE COURSE UNTIL SUCH TIME AS THE APPROPRIATE PAVEMENT PATCH CAN BE APPLIED AND COMPLETION OF THE INSTALLATION OF THE GAS, SEWER, AND WATER LINES, CONTRACTOR SHALL RESTORE PAVEMENT WITHIN TEN (10) DAYS.
9. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DEPRESSION GREATER THAN $\frac{1}{4}$ " THAT OCCURS WITHIN THREE YEARS OF COMPLETION OF PATCHING. CORRECTION SHALL CONSIST OF MILLING AND REPLACING 1.5" OF SURFACE COURSE MIX (SM).
10. ANY AND ALL HIGHWAY SIGNS, RIGHT-OF-WAY MARKERS, ETC., DISTURBED AS A RESULT OF WORK PERFORMED SHALL BE ACCURATELY RESET BY THE CONTRACTOR IMMEDIATELY FOLLOWING THE WORK IN THE VICINITY OF THE DISTURBED FACILITY. THE SERVICES OF A CERTIFIED LAND SURVEYOR WITH EXPERIENCE IN ROUTE SURVEYING MAY BE REQUIRED.

EXCAVATION

1. OSHA REQUIRES SHORING FOR ANY EXCAVATION FOUR FEET (4') OR MORE IN DEPTH.
2. WHEN NOT UTILIZING SHORING, EXCAVATIONS ARE TO BE SLOPED ACCORDINGLY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A LICENSED PROFESSIONAL ENGINEER TO CERTIFY ALL SHORING AND/OR TRENCHING BOXES.

ENTRANCES

1. ROAD AND STREET CONNECTIONS, PRIVATE ENTRANCES, AND CONSTRUCTION ENTRANCES SHALL BE KEPT IN SATISFACTORY CONDITION. ENTRANCES SHALL NOT BE BLOCKED. AMPLE PROVISIONS MUST BE MADE TO PROVIDE SAFE INGRESS AND EGRESS TO ADJACENT PROPERTY AT ALL TIMES. ENTRANCES THAT ARE DISTURBED SHALL BE RESTORED TO THE SATISFACTION OF THE PROPERTY OWNER.



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REV. # COMMENTS DATE

ELM AVENUE WATER MAIN REPLACEMENT - PHASE 2
WESTERN VIRGINIA WATER AUTHORITY

PROJECT NOTES 2

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1C OF **6**

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