

GENERAL SEQUENCE OF CONSTRUCTION (E&SC):

1.1. IN ORDER TO MINIMIZE THE POTENTIAL FOR SOIL EROSION AND SEDIMENTATION OF DOWNSTREAM WATERWAYS AND PROPERTIES, THE WORK OF THE PROJECT SHOULD BE STAGED AND EXECUTED GENERALLY

CHRONOLOGICALLY IN ACCORDANCE WITH THIS GENERAL SEQUENCE OF WORK. 1.2. THIS SEQUENCE OF WORK IS NOT INTENDED TO PROVIDE THE CONTRACTOR AND THE RESPONSIBLE LAND DISTURBER (RLD) WITH SPECIFIC DIRECTION REGARDING MEANS AND METHODS OF CONSTRUCTION NOR IS IT INTENDED TO ADDRESS EACH AND EVERY REQUIRED STEP TO COMPLY WITH THE INTENT OF THE EROSION AND SEDIMENT CONTROL PLAN.

1.3. THE CONTRACTOR SHOULD BE FAMILIAR WITH AND AWARE OF THE SEQUENCING PROVISIONS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS" AND THOSE CONTAINED IN THE ROANOKE "EROSION AND SEDIMENT CONTROL ORDINANCE." THE GENERAL SEQUENCE OF WORK MAY BE ALTERED

UPON SUBMISSION AND APPROVAL OF WRITTEN AMENDMENTS OR APPROVED FIELD REVISIONS. 1.4.IT IS ASSUMED THAT THE WORK WILL BE PERFORMED IN A SEQUENTIAL MANNER SUCH THAT DEMOLITION AND REMOVAL AND THE MAJORITY OF NEW CONSTRUCTION WILL BE PERFORMED ON A BLOCK-BY-BLOCK BASIS. AS SUCH, IT IS ANTICIPATED THAT NO MORE THAN ONE STREET BLOCK (E.G. THE NORTH SIDE OF MELROSE AVENUE BETWEEN 22 ND STREET AND 23 RD STREET, THEN THE NORTH SIDE OF MELROSE AVENUE BETWEEN 23 RD STREET AND 24 TH STREET, ETC.) WILL BE DENUDED AT ONE TIME.

2. INITIAL PHASE (DEMOLITION AND REMOVAL):

- 2.1. INITIAL PHASE OF WORK WILL INCLUDE THE DEMOLITION AND REMOVAL OF THE EXISTING CURB/CURB & GUTTER, CONCRETE SIDEWALK, AND CONCRETE ENTRANCE APRONS. 2.2. SIDEWALK:
- 2.2.1. SIDEWALK DEMOLITION AND REMOVAL MAY BE PERFORMED INDEPENDENTLY OF CURB/CURB & GUTTER AND ENTRANCE APRONS.
- 2.2.2. REMOVE SIDEWALK BY JACKING AND BUCKET LOADING WITH MINIMAL DISTURBANCE/DENUDING OF ADJOINING GRASS/VEGETATED SURFACES.
- 2.2.3. LEAVE STONE SUB-BASE INTACT FOR AS LONG A PRACTICABLE. USE STONE BASE AS A
- CONSTRUCTION SURFACE. 2.2.4. UPON REMOVAL/RE-GRADING OF STONE, MINIMIZE TIME NATIVE SOIL AND ERODIBLE SURFACES ARE
- EXPOSED. PLACE NEW STONE BASE AS SOON AS PRACTICABLE. 2.3.CURB/CURB & GUTTER AND CONCRETE ENTRANCE:
- 2.3.1. SAW-CUT ALONG EXISTING ASPHALT AS SHOWN ON THE TYPICAL SECTIONS. 2.3.2. BEFORE REMOVING CURB/CURB & GUTTER, INSTALL TEMPORARY RIGHT-OF-WAY DIVERSION (RWD) OR ANOTHER APPROVED FILTERING MEASURE AT DOWNSTREAM END OF DISTURBED AREA/REMOVAL.
- ADJOINING GRASS/VEGETATED SURFACES. 2.3.4. LEAVE STONE SUB-BASE INTACT FOR AS LONG A PRACTICABLE. USE EXISTING STONE BASE AS A CONSTRUCTION SURFACE. UPON REMOVAL/RE-GRADING OF STONE BASE, MINIMIZE TIME NATIVE SOIL

AND ERODIBLE SURFACES ARE EXPOSED. PLACE NEW STONE BASE AS SOON AS PRACTICABLE.

2.3.3. REMOVE CURB/CURB & GUTTER AND DRIVEWAY APRONS. MINIMIZE DISTURBANCE/ DENUDING OF

2.4. TREE/VEGETATION REMOVAL:

IN THE GENERAL NOTES.

- 2.4.1. TREE/VEGETATION REMOVAL IS LIMITED TO THE AREA BETWEEN THE EXISTING BACK OF CURB AND THE EXISTING SIDEWALK. ONLY INCIDENTAL VEGETATION REMOVAL/DENUDING IS ANTICIPATED BETWEEN THE BACK OF SIDEWALK AND RIGHT-OF-WAY/PROPERTY FENCE.
- 2.4.2. LEAVE VEGETATION/GRASS SURFACE IN PLACE AS LONG AS PRACTICABLE WHILE DEMOLITION AND REMOVAL IS BEING PERFORMED.

3. PERIMETER MEASURES: 3.1. GIVEN THE LINEAR NATURE OF THE PROJECT, PERIMETER MEASURE ARE INEFFECTIVE AND IMPRACTICAL. 3.2. TEMPORARY RIGHT-OF-WAY DIVERSIONS SHALL BE UTILIZED AS SHOWN ON THE PLANS AND AS SPECIFIED

- 4. GRADING: 4.1. GRADING FOR THE WORK OF THE PROJECT SHALL GENERALLY CONSISTS OF FINE GRADING AND SUBGRADE SHAPING FOR THE NEW SIDEWALK, PAVEMENT SUBBASE, AND CURB/CURB & GUTTER SUBBASE AND
- GRADING OF THE GRASS/LANDSCAPE STRIP BETWEEN THE SIDEWALK AND BACK OF CURB. 4.2. WHERE PRESENT, STRIP TOPSOIL AND PLACE IN SMALL STOCKPILE AREAS FOR RE-USE ON FINISHED GRADED AREAS.
- 4.3.PLACE SUBBASE STONE ON GRADED SUBGRADE AS SOON AS PRACTICABLE TO MINIMIZE EROSION POTENTIAL
- 4.4.INSTALL STORM DRAINAGE SYSTEM AS SHOWN ON PLANS AS EARLY IN THE SEQUENCE AS POSSIBLE INSTALL INLET PROTECTION (IP) AT END OF OPEN PIPES AND ON ALL INLETS AS THEY ARE INSTALLED. ENSURE DOWNSTREAM STORM DRAINAGE SYSTEM IS COMPLETE AND FUNCTIONING AS WORK PROGRESSES. 4.5.AS EXCAVATION PROGRESSES AND IS COMPLETED, PLACE THE SITE TO FINISHED GRADE AS SOON AS PRACTICAL. APPLY TEMPORARY SEEDING (TS), OR TOPSOIL (TO) AND PERMANENT SEEDING (PS), TO DISTURBED AREA AND CUT SLOPES THAT WILL REMAIN DORMANT FOR LONGER THAN FOURTEEN (14) DAYS
- AND/OR WHEN FINAL GRADE IS REACHED. 4.6.FOR PERMANENT STABILIZATION OF DISTURBED AREAS, APPLY TOPSOIL (TO), SEEDING (PS), AND MULCH (MU), AND IMMEDIATELY PLACE SOIL STABILIZATION BLANKET/MATTING (B/M) WHERE SHOWN.

5. UTILITY INSTALLATION (STORM DRAINAGE):

- 5.1. INSTALL NEW STORM DRAINAGE SYSTEM PIPING FROM LOWEST POINT IN SYSTEM TO HIGHEST POINT IN SYSTEM. INSTALL INLET PROTECTION (IP) AT THE END OF OPEN PIPES AND AROUND EACH STORM DRAIN INLET AS IT BECOMES OPERATIONAL. OTHER UTILITY INSTALLATION REQUIREMENTS INCLUDE: 5.1.1. NO MORE THAN 200 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
- 5.1.2. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES. 5.1.3. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
- 5.1.4. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION. 5.1.5. COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS REGARDING TRENCHING.

6. MAINTENANCE OF E&SC MEASURES:

6.1. ALL EROSION AND SEDIMENT MEASURES WILL BE CHECKED DAILY AND AFTER EACH MEASURABLE RAINFALL. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL MAINTENANCE REQUIREMENTS OF THE EROSION AND SEDIMENT CONTROL MEASURES AS OUTLINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE E&SC NARRATIVE.

7. TEMPORARY AND PERMANENT STABILIZATION:

- 7.1. PERMANENT OR TEMPORARY SOIL STABILIZATION MEASURES SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
- 7.2.TEMPORARY SOIL STABILIZATION MEASURES SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN FOURTEEN (14) DAYS. PERMANENT STABILIZATION MEASURES SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.

8. REMOVAL OF MEASURES:

- 8.1. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM AND MATURE ENOUGH TO SURVIVE AND INHIBIT EROSION. 8.2. UPON STABILIZATION OF ALL DISTURBED SURFACES, CALL-FOR FINAL INSPECTIONS.
- 8.3. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE E&SC INSPECTOR. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION. IF DEWATERING IS REQUIRED, WATER SHALL BE PUMPED TO AN APPROVED FILTERING DEVISE.

END OF GENERAL SEQUENCE OF WORK

DEMOLITION/REMOVAL KEYNOTES:

- 1 REMOVE CONCRETE SIDEWALK AND OTHER CONCRETE SLABS/PADS WHERE SHOWN OR WHERE IN CONFLICT WITH NEW WORK. REMOVE TO THE NEAREST CONSTRUCTION/CONTRACTION JOINT OR SAW-CUT TO PRODUCE NEAT/CLEAN JOINT. WHERE SIDEWALK TO BE REMOVED ABUTS EXISTING SIDEWALK OR CONCRETE/ASPHALT PARKING, ENTRY PLAZA, ETC. THAT IS TO REMAIN, SAW-CUT ALONG EXISTING JOINTS TO ENSURE A UNIFORM BREAK POINT AND FACILITATE REMOVAL.
- 2 REMOVE CONCRETE DRIVEWAY APRON WHERE SHOWN OR WHERE IN CONFLICT WITH NEW WORK. REMOVE TO THE NEAREST CONSTRUCTION/CONTRACTION JOINT OR SAW-CUT TO PRODUCE NEAT/CLEAN JOINT. WHERE DRIVEWAY APRON TO BE REMOVED ABUTS EXISTING SIDEWALK OR CONCRETE/ASPHALT PARKING, ENTRY PLAZA, ETC. THAT IS TO REMAIN, SAW-CUT ALONG EXISTING JOINTS TO ENSURE A UNIFORM BREAK POINT AND FACILITATE REMOVAL.
- REMOVE CONCRETE CURB/CURB & GUTTER WHERE SHOWN OR WHERE IN CONFLICT WITH NEW WORK. REMOVE TO THE NEAREST CONSTRUCTION/CONTRACTION JOINT OR SAW-CUT TO PRODUCE NEAT/CLEAN JOINT. WHERE CONCRETE CURB/CURB & GUTTER TO BE REMOVED ABUTS SIDEWALK OR CONCRETE/ASPHALT PAVEMENT THAT IS TO REMAIN, SAW-CUT AND REMOVE AN ADDITIONAL 1-FOOT OF PAVEMENT TO FACILITATE REMOVAL AND ENSURE A UNIFORM EDGE FOR RE-PAVING. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION. NOTE: IN MANY AREAS OF THE PROJECT THE GUTTER IS "OVER PAVED" WITH ASPHALT.
- 4 REMOVE ASPHALT PAVEMENT (SURFACE AND BINDER COURSE, AND AGGREGATE BASE) AND ADJOINING CURB/CURB AND GUTTER WITHIN LIMITS OF DEMOLITION, WHERE SHOWN, OR WHERE REQUIRED FOR CONSTRUCTION OF NEW WORK. WHERE NEW CONCRETE CURB/CURB & GUTTER IS TO BE INSTALLED, SAW-CUT AND REMOVE AN ADDITIONAL 1-FOOT OF PAVEMENT TO FACILITATE PLACEMENT OF NEW CURB/CURB & GUTTER TO ENSURE A UNIFORM EDGE FOR RE-PAVING. REFER TO TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
- 5 REMOVE TREES, TREE GRATES, SHRUBS, AND OTHER LANDSCAPE FEATURES WITHIN DEFINED PROJECT WORK LIMITS OR WHERE IN CONFLICT WITH NEW WORK. TREES INDICATED TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.
- 6 SAW-CUT AND REMOVE ASPHALT FOR INSTALLATION OF NEW STORM DRAINAGE, WATER AND SANITARY SEWER SYSTEM. REFER TO SHEETS C4.1 THRU C4.3 FOR ADDITIONAL INFORMATION.
 - 7 | EXISTING UTILITY FEATURES (WATER METER, MANHOLE, FIRE HYDRANT, ETC.) WITHIN LIMITS OF DEMOLITION AND REMOVAL SHALL BE SUPPORTED AND PROTECTED FROM DAMAGE DURING DEMOLITION AND REMOVAL OF ADJOINING SURFACES. REFER TO GENERAL NOTES (DEMOLITION AND REMOVAL) AND SHEETS C4.1 THROUGH C4.3 FOR ADDITIONAL INFORMATION AND REQUIREMENTS FOR ADJUSTMENTS AND/OR
- 8 MILL AND OVERLAY EXISTING PAVEMENT TO EXTENT INDICATED. REFER TO NOTES AND SEQUENCE OF WORK ON SUBSEQUENT SHEETS.

REFER TO SHEETS C4.1 THRU C4.3 FOR WATER, SANITARY SEWER LINES, WATER METERS, CLEANOUTS AND OTHER SYSTEM COMPONENTS TO BE ABANDONED OR REMOVED.

REFER TO SHEET C2.2 FOR "SEQUENCE OF WORK" AND SHEET C2.1 FOR "EROSION AND SEDIMENT CONTROL NOTES".

EROSION & SEDIMENT CONTROL SYMBOLS LEGEND:

TEMPORARY INLET PROTECTION (STD. 3.07)

RIGHT-OF-WAY DIVERSION

(TO) **TOPSOILING** (STD. 3.30)

NOTE: REFER TO SHEET C2.4 FOR DETAILS/SECTIONS AND ADDITIONAL REQUIREMENTS.

TEMPORARY TEMPORARY SEEDING

(STD. 3.11)

(STD. 3.31)

DEMOLITION LEGEND:

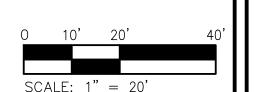
REMOVE ASPHALT PAVEMENT 4 6

REMOVE CONC. SIDEWALK, CONC. ENTRANCES AND CONC. CURB 1 2 3

PAVEMENT MILLING AND OVERLAY 8 // W // REMOVE UTILITIES 7

(SEE SHEETS C4.1 THRU C4.3) ---- LIMITS OF DEMOLITION AND REMOVAL / LAND DISTURBANCE

SOIL BORING LOCATION



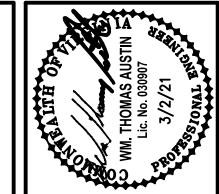
PERMANENT

SEEDING MIXTURE

(STD. 3.32)

LIMITS OF LAND

DISTURBANCE



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