## E.S.C. PHASE I CONSTRUCTION SEQUENCE: **E&SC MEASURES** 1. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PROVIDED ON-SITE AND ALL REGULATIONS, INSPECTIONS, AND PROCEDURES FOLLOWED FOR THE TEMPORARY STONE ENTIRE DURATION OF THE PROJECT. SEE SWPPP DOCUMENT FOR SITE SPECIFIC REQUIREMENTS AND INSPECTIONS. 3.02 CONSTRUCTION ENTRANCE 2. THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS A FIRST STEP OF CONSTRUCTION. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. G.C. SHALL PAY SPECIAL ATTENTION TO ENSURE SEDIMENT LADEN RUNOFF IS NOT DIRECTED TOWARDS THE ADJACENT PUBLIC RIGHT OF WAY 3.05 SILT FENCE AND THERE SHALL BE NO MUD 'TRACKING' FROM THE SITE INTO THE PUBLIC RIGHT OF WAY. EXISTING PAVEMENT AND ASSOCIATED STONE BASE SHALL BE UTILIZED TO THE MAXIMUM EXTENT PRACTICAL DURING DEMO OPERATIONS. STORM DRAIN 3.07 3. SILT FENCE TO BE INSTALLED AS SHOWN PRIOR TO ANY LAND DISTURBANCE. THE SILT FENCE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF PHASE I. SILT INLET PROTECTION FENCE SHALL BE CHECKED AFTER EACH MEASURABLE RAIN EVENT AS REQUIRED BY THE EROSION AND SEDIMENT CONTROL HANDBOOK. THE R.L.D. ASSIGNED TO THE PROJECT SHALL ENSURE ALL REGULATIONS ARE FOLLOWED AND DOCUMENTED **TEMPORARY** 3.31 1" = 20' THROUGHOUT THE ENTIRE PROJECT TO PREVENT THE EXCESSIVE BUILD-UP OF SEDIMENT. ALL BUILT UP SEDIMENT SEEDING SHALL BE REMOVED AND PROPERTY DISPOSED OFF. PERMANENT 3.32 4. INLET PROTECTION SHALL BE INSTALLED AT THIS TIME FOR THE EXISTING INLET AS SHOWN. SEEDING 5. DEMOLITION OPERATIONS SHALL OCCUR AT THIS TIME FOR THE EXISTING BUILDINGS, PAVEMENTS AND UTILITIES THAT ARE TO BE REMOVED. 3.35 MULCHING 6. MAJOR GRADING OPERATIONS SHALL COMMENCE ONCE THE SILT FENCE AND INLET PROTECTION HAVE BEEN INSTALLED. THIS INCLUDES THE GRADING OF THE PARKING LOT, BUILDING PAD, RETAINING WALL CONSTRUCTION AND LAY BACK SLOPES AND ALL OTHER ASSOCIATED GRADING OPERATIONS ON-SITE. TOPSOIL IS TO BE STOCKPILED SOIL STABILIZATION AS SHOWN. CONSTRUCTION ROAD STABILIZATION MEASURES SHALL BE INSTALLED AT THIS TIME. 3.36 BLANKETS & MATTING 7. G.C. SHALL ENSURE THAT THE LIMITS OF DISTURBANCE ARE STRICTLY ADHERED TO DURING THE PROJECT. 8. NO DEVIATIONS TO THE PLANS SHALL TAKE PLACE UNLESS PRIOR APPROVAL FROM THE OWNER, PROJECT ENGINEER, AND THE APPROPRIATE REVIEW AGENCIES. 9. THE PHASE II CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED AT THIS TIME AND THE PHASE I CONSTRUCTION ENTRANCE SHALL BE REMOVED ONCE THE PHASE II CONSTRUCTION ENTRANCE IS INSTALLED AND OPERATIONAL. 10. SEE SHEET C8 FOR PHASE II OF THE EROSION AND SEDIMENT CONTROL PLAN. NOTE: ANY EXISTING WATER OR SEWER CONNECTIONS SERVING THIS PROPERTY NOT UTILIZED FOR THE PROPOSED DEVELOPMENT x. s.s m.h. 'a' — SHALL BE ABANDONED AT THE MAIN BY THE G.C top: 920.0' ex. curb inlet 'b' ex. wm T.B.R. 48" inv. :902.4' per wvwa top: 920.1' & service lateral SERVICE LATERAL ex. s.s. m.h. 'b' ex. s.s. m.h. 'c' — 15" rcp inv. in: 914.7' ex. u.p. (typ) top: 921.0' SHALL BE REMOVED top: 921.0' ex. u.p. (typ) -15" rcp inv. out: 914.7' ex. u.p. (typ)-48" inv. :902.1 per wvwa AT CORP. STOP 48" inv. :902.11 per wvwa — DHU — DHU — DHU — DHU — DHU ех. ер ex. curb inlet a approx. location of ex. 48" s.s.ex. u.p. (typ) CAMPBELL AVENUE, S.E. PVMT. top: 919.7 REPLACEMENT 15" rcp inv. out: 916.1" SAN SAN SAN (PLATTED WOODLAND) TO BE REPLACED SAN SAN ex. conc. apron — T.B.R. - PVMT, REPLACEMENT approx. location of saw cut ex. pvmt. 60' PUBLIC R/W ex. 10" waterline ex. curb, gutter & sidewalk TO BE REPLACED — ex. conc. apron — **EROSION** approx. location ex. u.p. (typ)approx. location -T.B.R. FEL 920.15 of ex. floodway of ex. 48" s.s. PVMT. REPLACEMENT TO BE RELOCATED saw cut ex. conc. ex. u.p. (typ)------ ex. f.h. 'hyd-12752' – ex. gravel — G.C. SHALL COORD. WITH PROVIDER FOR REMOVAL AND RELOCATION west at rail road crossing residual pressure: 78 psi static pressure: 92 psi calc. flow at 20 psi: 2,438 gpm residual pressure: 89 psi data provided by wvwa flow test calc. flow at 20 psi: 6,330 gpm data provided by wvwa flow test ex. 4 story brick #631 #605 f.f.e.:921.4 approx. location **★** TOPSOIL STOCKPILE of ex. floodplain ex. guy wire -TO BE RELOCATED KIRK AVENUE RIGHT OF WAY 30' UNDEVELOPED VACATED W/ ORD. # 41953-122120

-ex. pervious pavers

- LOD=0.92 AC.

MU-

CHURCH AVENUE, S.E. (PLATTED WOODLAND)

\* WORK IN THE PUBLIC RIGHT OF \*
WAY AREA SHALL BE PERFORMED
PER THE CITY OF ROANOKE RIGHT

RESTORATION STANDARDS REVISED JULY 1, 2020. G.C. SHALL OBTAIN

A R.O.W. EXCAVATION PERMIT PRIOR TO ANY WORK WITHIN THE PUBLIC

OF WAY EXCAVATION &

RIGHT OF WAY

2.0 **AWSON** DRAWN BY

ENGINEERS / SURVEYORS

Roanoke / Richmond

New River Valley / Staunton

Harrisonburg / Lynchburg

www.balzer.cc

1208 Corporate Circle

Roanoke, VA 24018

540.772.9580

Lic. No. 47338

DESIGNED BY CHECKED BY DATE

6/15/2021

1" = 20'

SCALE **REVISIONS** 

COMPREHENSIVE DEVELOPMENT PLAN

**APPROVED** 

City of Roanoke Planning, Building, & Development

by Ken Richardson 07/26/2021