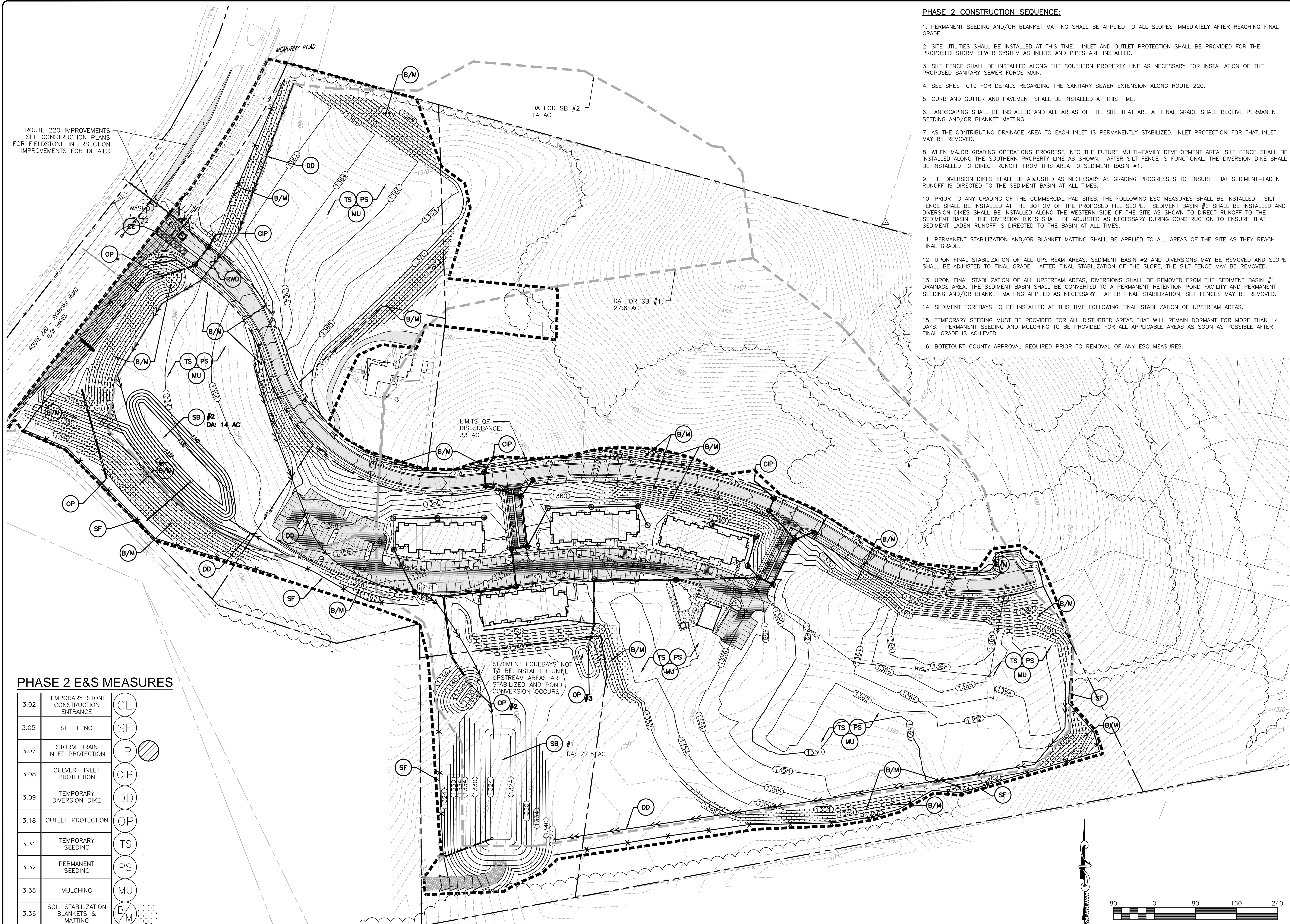


ROUTE 220 IMPROVEMENTS
SEE CONSTRUCTION PLANS
FOR FIELDSTONE INTERSECTION
IMPROVEMENTS FOR DETAILS

PHASE 2 E&S MEASURES

3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE
3.05	SILT FENCE	SF
3.07	STORM DRAIN INLET PROTECTION	IP
3.08	CULVERT INLET PROTECTION	CIP
3.09	TEMPORARY DIVERSION DIKE	DD
3.18	OUTLET PROTECTION	OP
3.31	TEMPORARY SEEDING	TS
3.32	PERMANENT SEEDING	PS
3.35	MULCHING	MU
3.36	SOIL STABILIZATION BLANKETS & MATTING	B/M



PHASE 2 CONSTRUCTION SEQUENCE:

1. PERMANENT SEEDING AND/OR BLANKET MATTING SHALL BE APPLIED TO ALL SLOPES IMMEDIATELY AFTER REACHING FINAL GRADE.
2. SITE UTILITIES SHALL BE INSTALLED AT THIS TIME. INLET AND OUTLET PROTECTION SHALL BE PROVIDED FOR THE PROPOSED STORM SEWER SYSTEM AS INLETS AND PIPES ARE INSTALLED.
3. SILT FENCE SHALL BE INSTALLED ALONG THE SOUTHERN PROPERTY LINE AS NECESSARY FOR INSTALLATION OF THE PROPOSED SANITARY SEWER FORCE MAIN.
4. SEE SHEET C19 FOR DETAILS REGARDING THE SANITARY SEWER EXTENSION ALONG ROUTE 220.
5. CURB AND GUTTER AND PAVEMENT SHALL BE INSTALLED AT THIS TIME.
6. LANDSCAPING SHALL BE INSTALLED AND ALL AREAS OF THE SITE THAT ARE AT FINAL GRADE SHALL RECEIVE PERMANENT SEEDING AND/OR BLANKET MATTING.
7. AS THE CONTRIBUTING DRAINAGE AREA TO EACH INLET IS PERMANENTLY STABILIZED, INLET PROTECTION FOR THAT INLET MAY BE REMOVED.
8. WHEN MAJOR GRADING OPERATIONS PROGRESS INTO THE FUTURE MULTI-FAMILY DEVELOPMENT AREA, SILT FENCE SHALL BE INSTALLED ALONG THE SOUTHERN PROPERTY LINE AS SHOWN. AFTER SILT FENCE IS FUNCTIONAL, THE DIVERSION DIKE SHALL BE INSTALLED TO DIRECT RUNOFF FROM THIS AREA TO SEDIMENT BASIN #1.
9. THE DIVERSION DIKES SHALL BE ADJUSTED AS NECESSARY AS GRADING PROGRESSES TO ENSURE THAT SEDIMENT-LADEN RUNOFF IS DIRECTED TO THE SEDIMENT BASIN AT ALL TIMES.
10. PRIOR TO ANY GRADING OF THE COMMERCIAL PAD SITES, THE FOLLOWING ESC MEASURES SHALL BE INSTALLED. SILT FENCE SHALL BE INSTALLED AT THE BOTTOM OF THE PROPOSED FILL SLOPE. SEDIMENT BASIN #2 SHALL BE INSTALLED AND DIVERSION DIKES SHALL BE INSTALLED ALONG THE WESTERN SIDE OF THE SITE AS SHOWN TO DIRECT RUNOFF TO THE SEDIMENT BASIN. THE DIVERSION DIKES SHALL BE ADJUSTED AS NECESSARY DURING CONSTRUCTION TO ENSURE THAT SEDIMENT-LADEN RUNOFF IS DIRECTED TO THE BASIN AT ALL TIMES.
11. PERMANENT STABILIZATION AND/OR BLANKET MATTING SHALL BE APPLIED TO ALL AREAS OF THE SITE AS THEY REACH FINAL GRADE.
12. UPON FINAL STABILIZATION OF ALL UPSTREAM AREAS, SEDIMENT BASIN #2 AND DIVERSIONS MAY BE REMOVED AND SLOPE SHALL BE ADJUSTED TO FINAL GRADE. AFTER FINAL STABILIZATION OF THE SLOPE, THE SILT FENCE MAY BE REMOVED.
13. UPON FINAL STABILIZATION OF ALL UPSTREAM AREAS, DIVERSIONS SHALL BE REMOVED FROM THE SEDIMENT BASIN #1 DRAINAGE AREA. THE SEDIMENT BASIN SHALL BE CONVERTED TO A PERMANENT RETENTION POND FACILITY AND PERMANENT SEEDING AND/OR BLANKET MATTING APPLIED AS NECESSARY. AFTER FINAL STABILIZATION, SILT FENCES MAY BE REMOVED.
14. SEDIMENT FOREBAYS TO BE INSTALLED AT THIS TIME FOLLOWING FINAL STABILIZATION OF UPSTREAM AREAS.
15. TEMPORARY SEEDING MUST BE PROVIDED FOR ALL DISTURBED AREAS THAT WILL REMAIN DORMANT FOR MORE THAN 14 DAYS. PERMANENT SEEDING AND MULCHING TO BE PROVIDED FOR ALL APPLICABLE AREAS AS SOON AS POSSIBLE AFTER FINAL GRADE IS ACHIEVED.
16. BOTETOURT COUNTY APPROVAL REQUIRED PRIOR TO REMOVAL OF ANY ESC MEASURES.



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540.772.9580



FIELDSTONE PHASE I

E.S.C. PLAN - PHASE II

DRAWN BY: CLL
DESIGNED BY: CPB
CHECKED BY: CPB
DATE: 1/25/2019
SCALE: 1" = 80'
REVISIONS:
4/30/2019
10/8/2019
12/5/2019
10/14/2020
2/11/2021

C11
PROJECT NO. 04170078.01