

DATE: June 26, 2020

REVISIONS
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HUGHES ASSOCIATES
ARCHITECTS & ENGINEERS
656 ELM AVENUE SW | ROANOKE, VIRGINIA 24016
540.342.4002

JAMES RIVER EQUIPMENT
NEW FACILITY
74 TAYLORS ROAD | BOONES MILL, VA

DRAWN BY: JSC
CHECKED BY: JSC

EROSION AND SEDIMENT CONTROL PLAN
PHASE 1

06/26/2020
Mark J. Ayres
P.E. No. 534100

COMMISSION No.
19019
SHEET
C-13

GENERAL NOTES:
THE CONTRACTOR SHALL CONTACT FRANKLIN COUNTY DEPARTMENT OF PLANNING & COMMUNITY DEVELOPMENT - SEDIMENT AND EROSION CONTROL INSPECTOR AT 540-483-3077 A MINIMUM OF FIVE (5) BUSINESS DAYS IN ADVANCE OF THE PRE-CONSTRUCTION MEETING. FAILURE TO DO SO MAKES THIS A VIOLATION OF THE APPROVED PLAN AND IS A FINABLE OFFENSE.

THE CONTRACTOR SHALL INSTALL THE PERIMETER EROSION AND SEDIMENT CONTROL MEASURES BEFORE ANY LAND DISTURBANCE TAKES PLACE.

THE CONTRACTOR SHALL SURVEY AND RECORD THE EXCAVATED AREA OF THE DETENTION POND. THE SURVEYED VOLUME INFORMATION WILL BE PART OF THE AS-BUILT/RECORD DRAWING TO VERIFY THAT THE POND MEETS THE DESIGNED WATER QUANTITY VOLUME. (NOTE THIS INFORMATION IS TO BE PART OF THE AS-BUILT SUBMITTAL)

SCHEDULE OF CONSTRUCTION

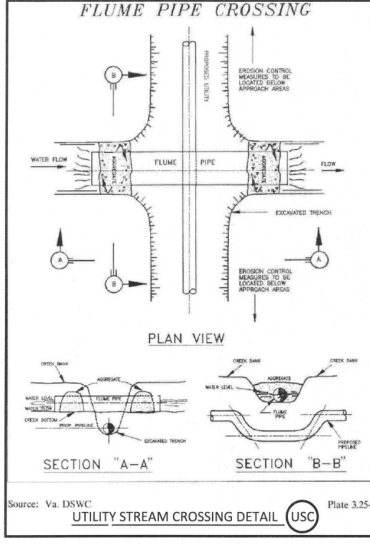
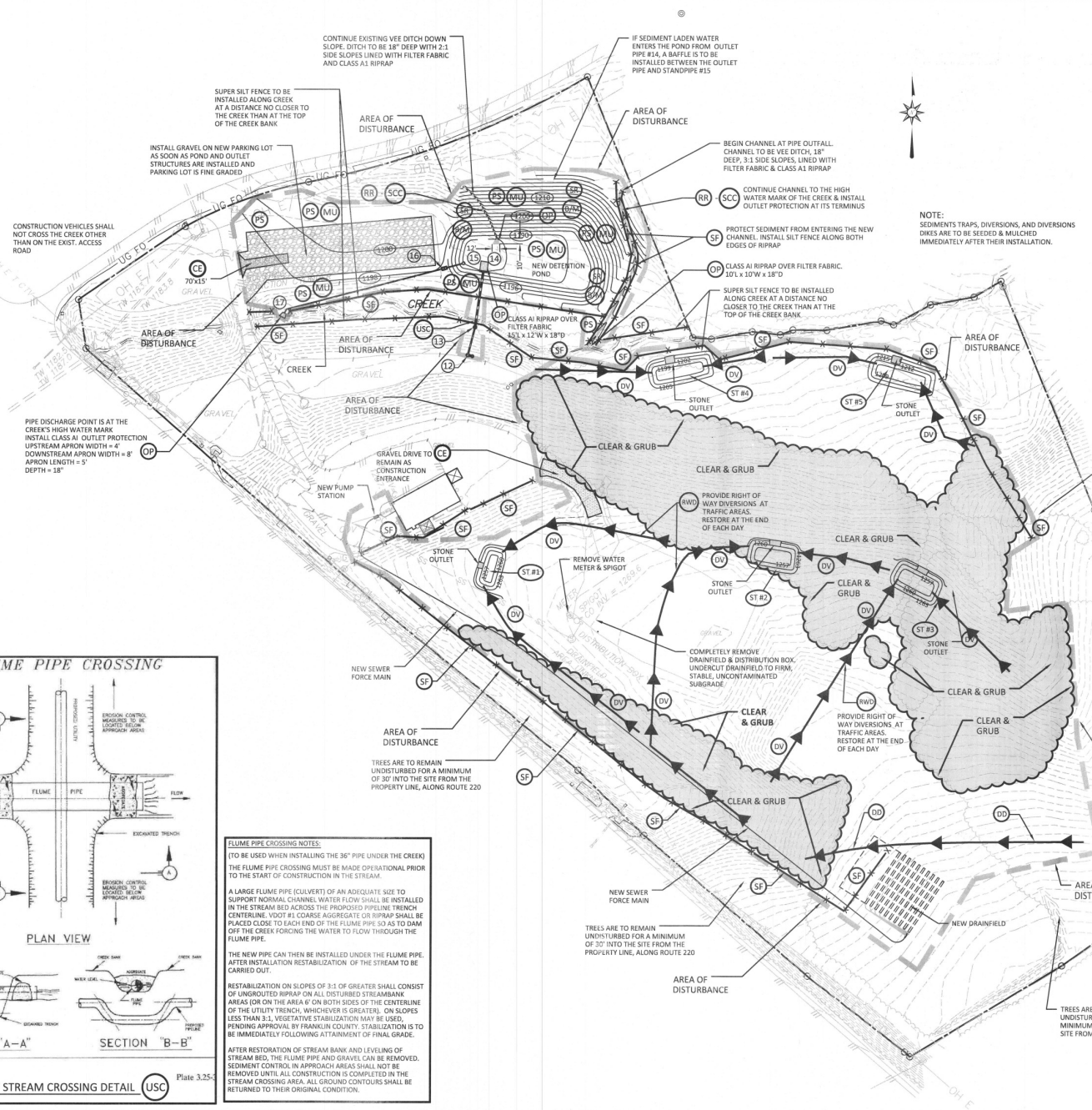
SOUTH SIDE OF CREEK

1. INSTALL ALL SILT FENCE. SUPER SILT FENCE TO BE USED ALONG THE CREEK.
2. ENSURE THAT GRAVEL IS PRESENT ON UPPER CONSTRUCTION ENTRANCE.
3. INSTALL SEDIMENT TRAPS #1, #2 & #3 AND THEIR FOUR RESPECTIVE DIVERSIONS PRIOR TO CLEARING AND GRUBBING ANY OF THE WOODS.
4. CLEAR AND GRUB WOODS.
5. INSTALL SEDIMENT TRAPS #1, #2 & #3 AND THEIR SIX RESPECTIVE DIVERSIONS AS SOON AS THEIR AREA OF THE WOODS ARE CLEARED.
6. INSTALL NEW DRAINFIELD.
7. CONVERT EXISTING PUMP CHAMBER TO SEPTIC TANK. INSTALL NEW PUMP CHAMBER & FORCE MAIN.
8. ONCE NEW SEPTIC SYSTEM IS FULLY OPERATIONAL, SEWAGE FROM THE PROLINE BUILDING CAN RESUME.
9. REMOVE EXISTING DRAINFIELD, DISTRIBUTION BOX AND OTHER RELATED ITEMS.
10. INSTALL STORM STRUCTURES & ASSOCIATED PIPING INCLUDING #12 THRU #14.

NORTH SIDE OF CREEK

1. INSTALL SILT FENCE. SUPER SILT FENCE TO BE USED ALONG THE CREEK.
2. INSTALL CONSTRUCTION ENTRANCE INTO GRAVEL LOT.
3. REMOVE TOPSOIL WITHIN PROJECT AREA & STOCKPILE.
4. APPLY TEMPORARY SEEDING TO STOCKPILE.
5. GRADE FOR POND AND NEW GRAVEL LOT.
6. SLOPES ABOVE POND TO RECEIVE SURFACE ROUGHENING, EROSION CONTROL MATTING AND PERMANENT SEEDING.
7. INSTALL NEW STORMWATER CONVEYANCE CHANNELS WITH RIPRAP. THE CHANNEL THAT DISCHARGES TO THE CREEK TO BE INSTALLED TO THE HIGH WATER MARK IN CREEK AND OUTLET PROTECTION INSTALLED AT ITS TERMINUS.
8. INSTALL SILT FENCE ALONG BOTH OUTSIDE EDGES OF THE RIPRAP IN THE CHANNEL.
9. INSTALL OUTLET PROTECTION.
10. INSTALL STORM STRUCTURES & ASSOCIATED PIPING INCLUDING #15 THRU #17.
11. INSTALL OUTLET PROTECTION AT #14 & #17.
12. SPREAD TOPSOIL, PERMANENTLY SEED & MULCH ALL DISTURBED AREAS THAT RECEIVE GRASS.
13. INSTALL GRAVEL ON NEW GRAVEL LOT.

NOTE:
SEDIMENT TRAPS, DIVERSIONS, AND DIVERSION DICES ARE TO BE SEED & MULCHED IMMEDIATELY AFTER THEIR INSTALLATION.



FLUME PIPE CROSSING NOTES:
(TO BE USED WHEN INSTALLING THE 36" PIPE UNDER THE CREEK)
THE FLUME PIPE CROSSING MUST BE MADE OPERATIONAL PRIOR TO THE START OF CONSTRUCTION IN THE STREAM.

A LARGE FLUME PIPE (CULVERT) OF AN ADEQUATE SIZE TO SUPPORT NORMAL CHANNEL WATER FLOW SHALL BE INSTALLED IN THE STREAM BED ACROSS THE PROPOSED PIPELINE TRENCH CENTERLINE. VOID AT COARSE AGGREGATE OR RIPRAP SHALL BE PLACED CLOSE TO EACH END OF THE FLUME PIPE SO AS TO DAM OFF THE CREEK FORCING THE WATER TO FLOW THROUGH THE FLUME PIPE.

THE NEW PIPE CAN THEN BE INSTALLED UNDER THE FLUME PIPE. AFTER INSTALLATION RESTABILIZATION OF THE STREAM TO BE CARRIED OUT.

RESTABILIZATION ON SLOPES OF 3:1 OR GREATER SHALL CONSIST OF UNROUTED RIPRAP ON ALL DISTURBED STREAMBANK AREAS (OR ON THE AREA 6' ON BOTH SIDES OF THE CENTERLINE OF THE UTILITY TRENCH, WHICHEVER IS GREATER). ON SLOPES LESS THAN 3:1, VEGETATIVE STABILIZATION MAY BE USED, PENDING APPROVAL BY FRANKLIN COUNTY. STABILIZATION IS TO BE IMMEDIATELY FOLLOWING ATTAINMENT OF FINAL GRADE.

AFTER RESTORATION OF STREAM BANK AND LEVELING OF STREAM BED, THE FLUME PIPE AND GRAVEL CAN BE REMOVED. SEDIMENT CONTROL IN APPROACH AREAS SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETED IN THE STREAM CROSSING AREA. ALL GROUND CONTOURS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.