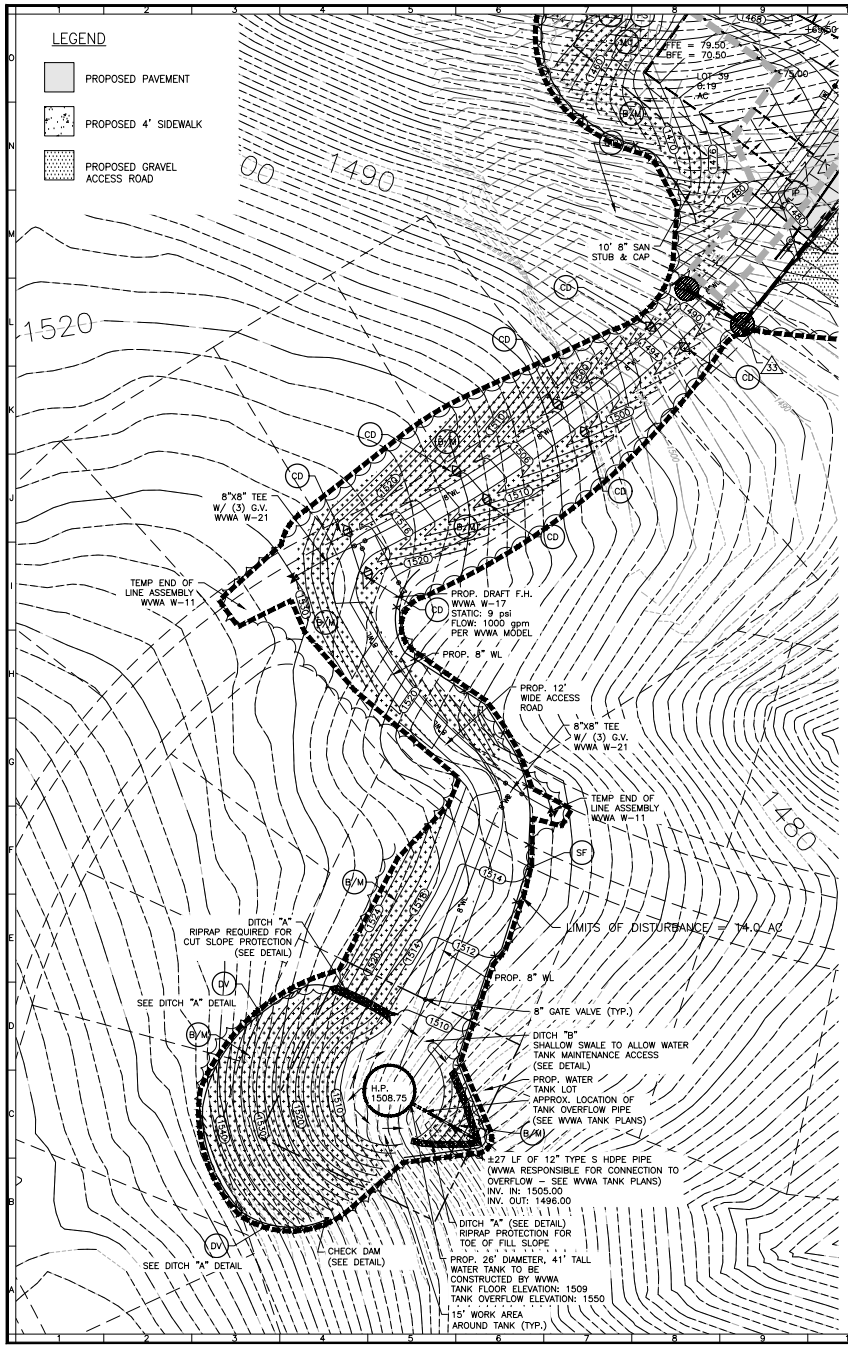
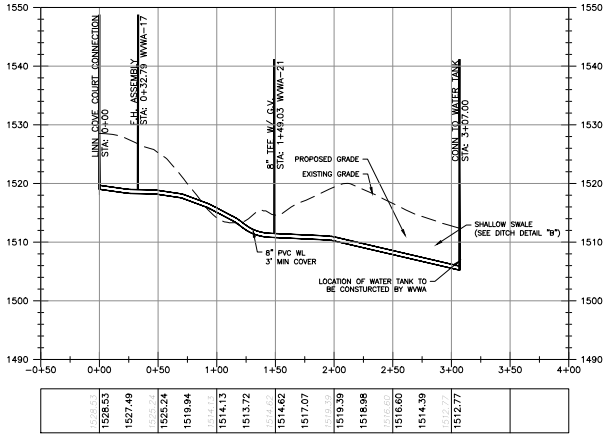


WATERLINE TO TANK PROFILE



VERTICAL

10 0 10 20 30

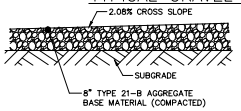
SCALE: 1" = 10'

HORIZONTAL

50 0 50 100 150

SCALE: 1" = 50'

TYPICAL GRAVEL ROAD SECTION



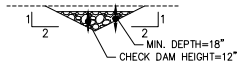
NOTE:
FOR AN EXCAVATED SUBGRADE: THE SUBGRADE AREA SHALL BE SCARIFIED TO A DEPTH OF 6 INCHES FOR A DISTANCE OF 2 FEET BEYOND THE PROPOSED EDGES OF THE PAVEMENT ON EACH SIDE. SUBGRADE MATERIAL SHALL BE COMPACTED AT OPTIMUM MOISTURE (±20%) TO THE REQUIREMENTS SET FORTH BY SEC. 305.03 OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS.

FOR AN IMPORTED SUBGRADE: THE TOP 6 INCHES OF THE FINISHED SUBGRADE SHALL BE COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE PROVISIONS.

GRAVEL ACCESS ROAD SECTION SHALL MATCH FUTURE ROADWAY SECTION AS SHOWN ON THE GRADING PLAN

GRADING NOTE

G.C. SHALL BE RESPONSIBLE FOR PROVIDING A GEOTECHNICAL REPORT AND AS-BUILT PLANS FOR THE CUT SLOPE LOCATED TO THE WEST OF THE PROPOSED WATER TANK WHERE THE SLOPE EXCEEDS 25 FEET IN HEIGHT PER ROANOKE COUNTY CODE SECTION 8.1.6, SUBSECTIONS Q THROUGH T.



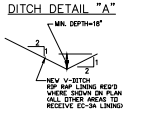
CHECK DAM DETAIL

NOT TO SCALE

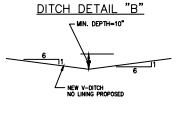
GRASSED CHANNEL NOTES

1. ARMORING RIP-RAP SHALL BE PLACED AT THE DOWNSTREAM TOE OF EACH CHECK DAM TO PREVENT EROSION.
2. CHECK DAMS SHALL BE ANCHORED INTO THE SIDE-SLOPES AND THE CHANNEL BOTTOM A MINIMUM OF 6".
3. EACH CHECK DAM SHALL HAVE A WEEP HOLE OR SIMILAR DRAINAGE FEATURE SO IT CAN DE-WATER AFTER STORMS.
4. CHECK DAMS SHALL BE COMPOSED OF WOOD, CONCRETE, STONE, OR OTHER NON-ERODIBLE MATERIAL.
5. FILTER FABRIC TO BE PROVIDED BETWEEN STONE AND SOIL MATERIAL, IF STONE IS USED.
6. SEE PLAN SHEETS FOR CHECK DAM LOCATIONS AND SPACING.
7. REFER TO FIGURES 3.1 AND 3.2 ON THIS SHEET FOR ADDITIONAL DETAILS REGARDING GRASSED CHANNELS AND CHECK DAMS.

DITCH DETAIL "A"



DITCH DETAIL "B"



30 0 30 60 90

SCALE: 1" = 30'

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CHRISTOPHER P. BURNS
Lic. No.047338
4/22/2020
PROFESSIONAL ENGINEER

MASON'S CREST - SECTION 3
LINN COVE COURT

WATER TANK PLAN

CAVE SPRING DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY	KRO
DESIGNED BY	CPB
CHECKED BY	BTC
DATE	4/3/2018
SCALE	AS NOTED

REVISIONS:
6/15/2018
11/27/2018
1/18/2019
7/16/2019 P.R. #1
3/10/2020 P.R. #2
3/31/2020 P.R. #3
4/22/2020 P.R. #4

SHEET NO.
C12

JOB NO. 04160002.00

APPROVED, 6/5/2020