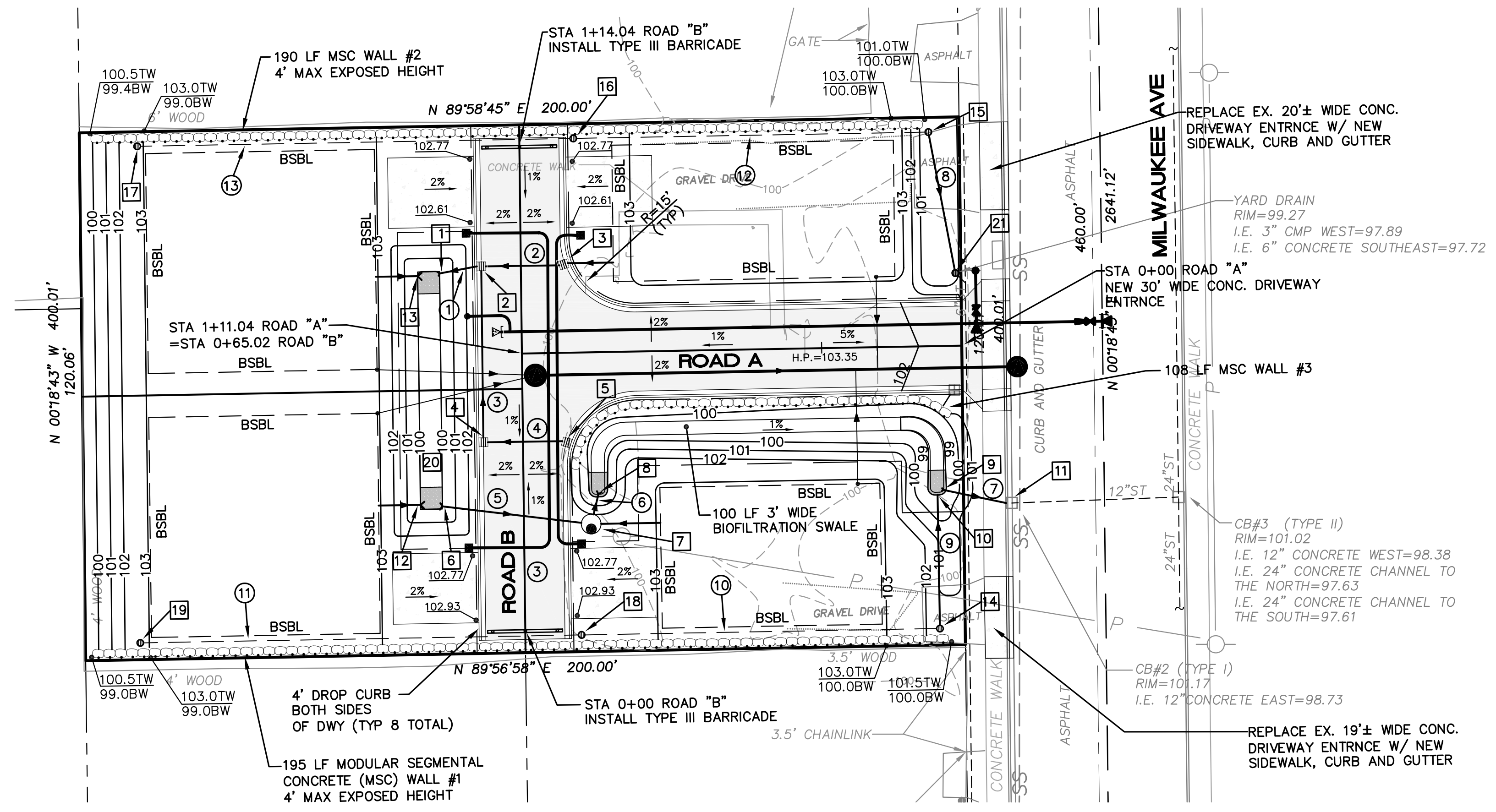
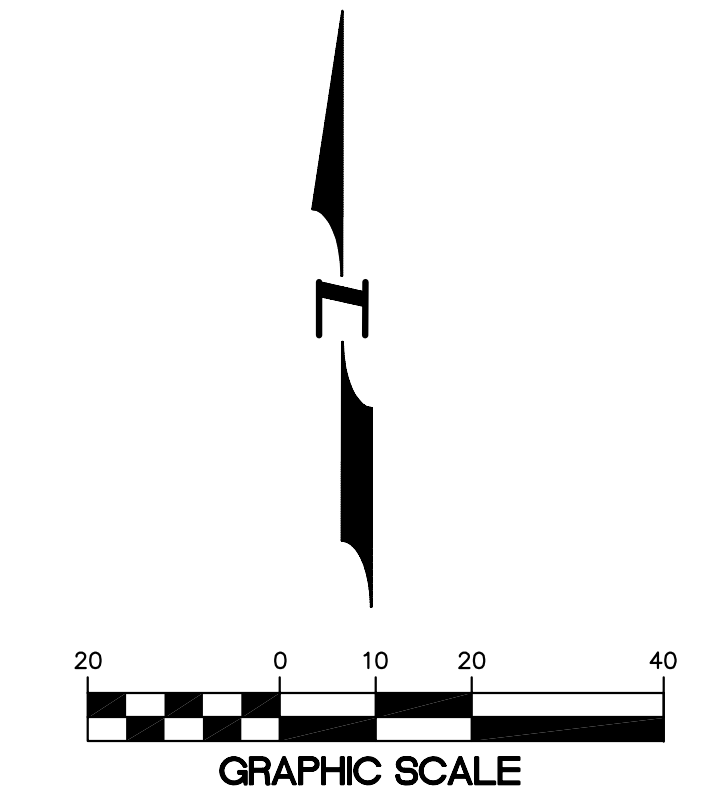


SECTION 26, TOWNSHIP 21 SOUTH, RANGE 4 EAST, W.M.



STORM DRAINAGE STRUCTURES

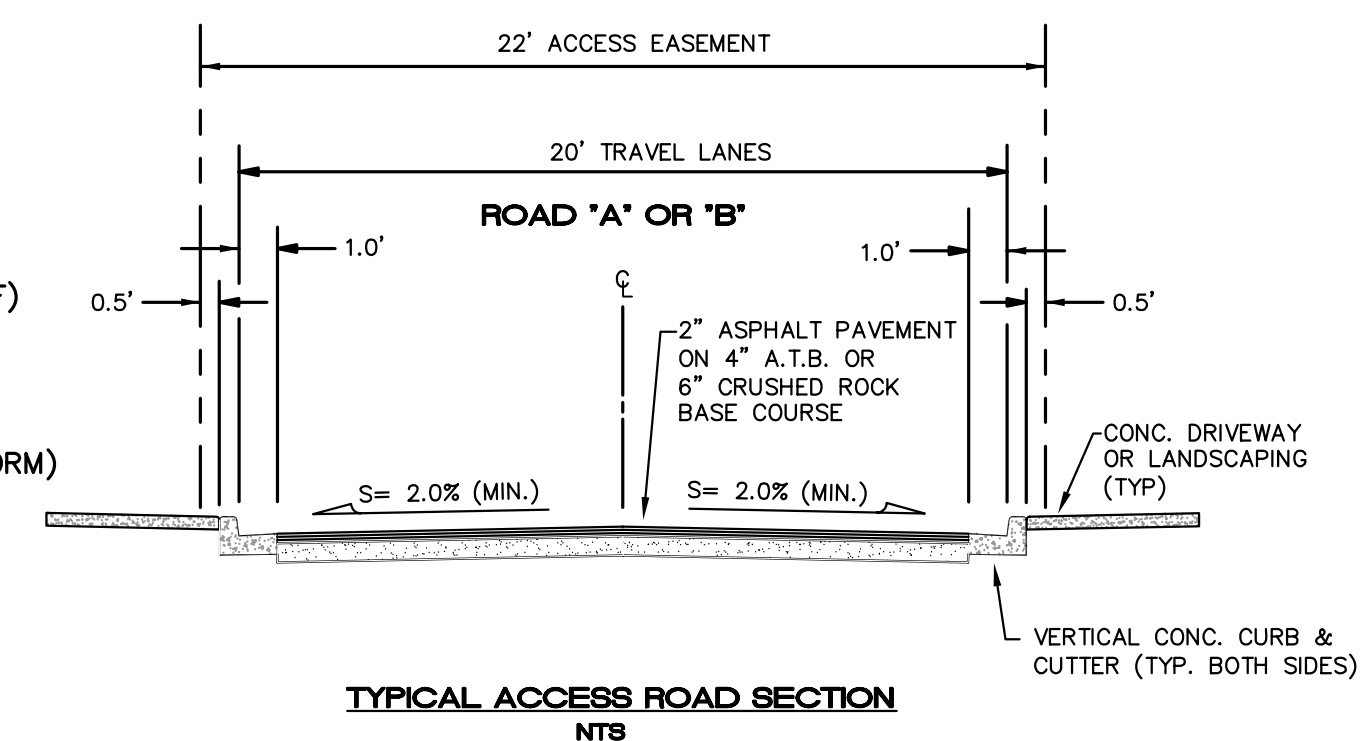
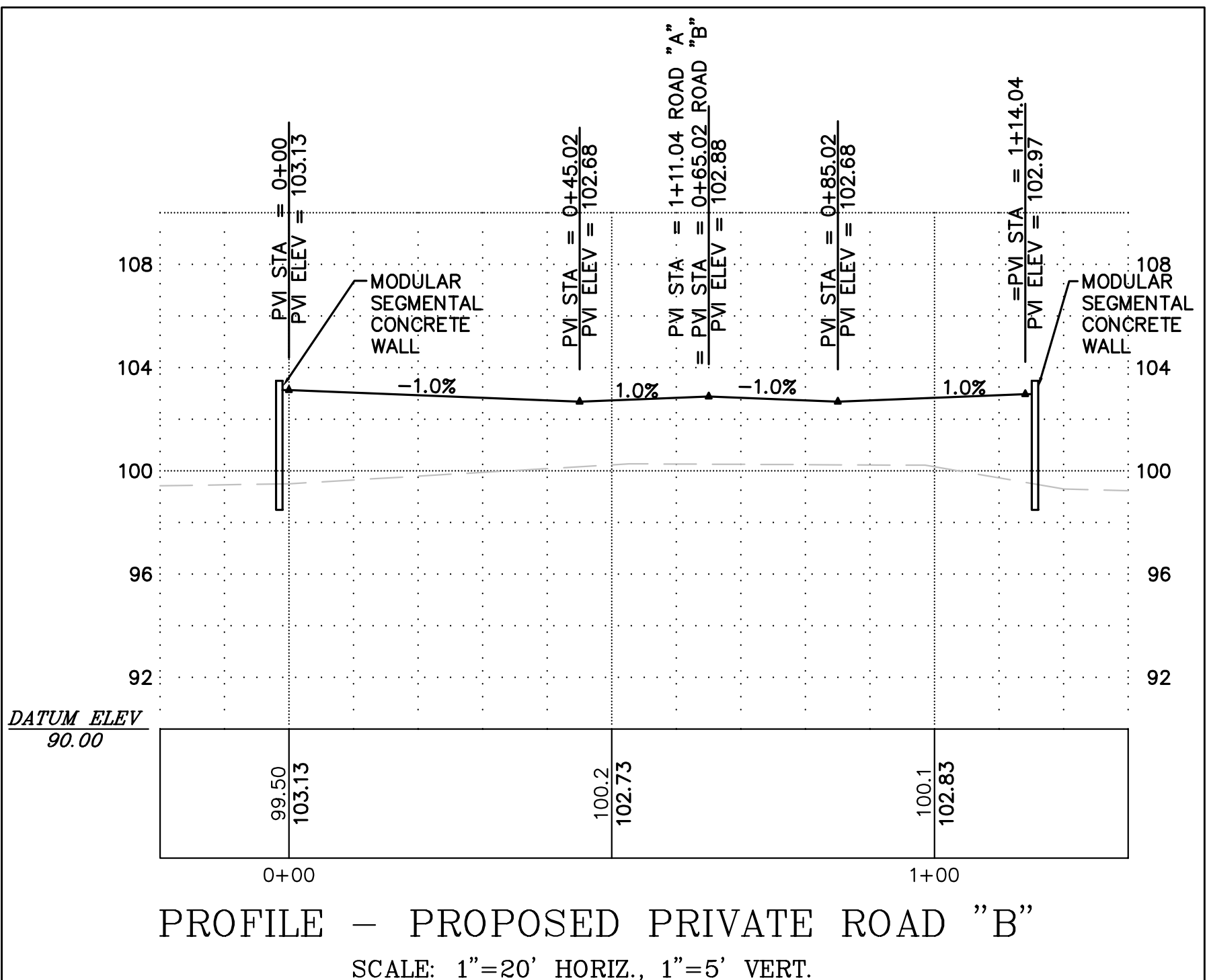
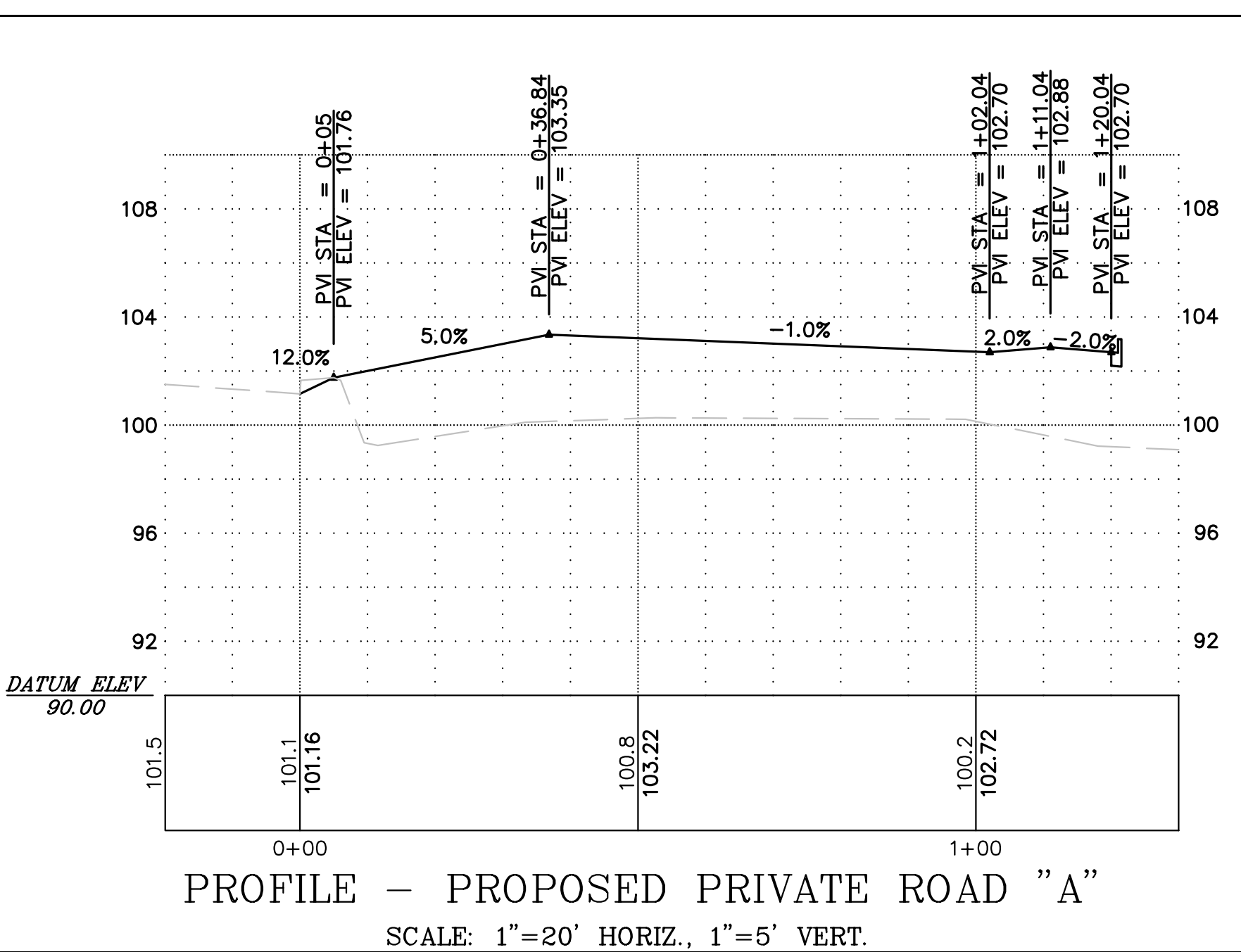
- 1 12" INLET TO DETENTION POND W/TRASH BARRIER INV.=100.00 INSTALL 5'X5'X1' RIPRAP PAD
- 2 TYPE I CB W/FRAME & GRATE RIM=102.50 INV.=100.10
- 3 TYPE I CB W/FRAME & GRATE RIM=102.50 INV.=100.27 (12"W) INV.=100.77 (6" E FROM LOT 1 ROOF DRAIN 2% MIN)
- 4 TYPE I CB W/FRAME & GRATE RIM=102.50 INV.=100.30
- 5 TYPE I CB W/FRAME & GRATE RIM=102.50 INV.=100.39
- 6 12" OUTLET TO FLOW CONTROL STRUCTURE W/TRASH BARRIER INV.=99.50 INSTALL 5'X5'X1' RIPRAP PAD
- 7 FLOW CONTROL STRUCTURE RIM=104.50 INV.=100.00 (12" W AND 12" N) INV.=100.50 (6" E FROM LOT 2 ROOF DRAIN 2% MIN) 12" RISER OVERFLOW EL.=101.55 RECTANGULAR WEIR CREST EL.=101.20, WIDTH=5.64" BOTTOM ORIFICE EL.=98.00 ORIFICE DIA.=1.63"
- 8 12" OUTLET TO BIOFILTRATION SWALE W/TRASH BARRIER INV.=99.80 INSTALL 5'X5'X1' RIPRAP PAD
- 9 12" OUTLET TO EX. CB W/TRASH BARRIER INV.=98.80
- 10 6" PVC OUTLET TO BIOFILTRATION SWALE INV.=98.80
- 11 12" STORM CONNECT TO EX. CB INV.=98.73
- 12 6" PVC OUTLET TO DETENTION POND @ 2%MIN INV.=100.00
- 13 C.O. RIM=101.50 INV.=99.10
- 14 C.O. RIM=101.00 INV.=99.00
- 15 C.O. RIM=103.00 INV.=99.40
- 16 C.O. RIM=102.00 INV.=99.90
- 17 C.O. RIM=103.00 INV.=99.52
- 18 C.O. RIM=102.00 INV.=100.00
- 19 C.O. RIM=102.00 INV.=100.00
- 20 DETENTION POND TOP OF BERM EL.=102.61 100 YEAR WATER LEVEL=101.55 BOTTOM OF POND EL.=99.50 SEDIMENT STORAGE DEPTH=0.5' REQ. DETENTION VOL.=650 (CF) REQ. DETENTION VOL. AFTER APPLY 35% SAFETY FACTOR=877 (CF) AVAILABLE STORAGE=877 (CF)
- 21 YARD DRAIN RIM=100.80 INV.=97.72 (CONNECT TO EX. 6" STORM)



LEGEND

- LOT LINE
- - - EASEMENT LINE
- FF- 308.0 FINISHED FLOOR ELEVATION
- 310 - EXISTING GROUND CONTOUR
- 310 - FINISHED GROUND CONTOUR
- CATCHBASIN (TYPE I) W/ ST LINE
- STORM DRAIN CULVERT
- CATCHBASIN (TYPE II)
- RIPRAP PAD

- 1 10 LF 12" ADS N-12 @ S=1.0%
- 2 17 LF 12" ADS N-12 @ S=1.0%
- 3 40 LF 12" ADS N-12 @ S=0.5%
- 4 17 LF 12" ADS N-12 @ S=0.5%
- 5 34 LF 12" ADS N-12 @ S=1.47% (REVERSE SLOPE)
- 6 7 LF 12" ADS N-12 @ S=2.86%
- 7 14 LF 12" ADS N-12 @ S=0.5%
- 8 32 LF 6" PVC @ S=4.0%
- 9 30 LF 6" PVC @ S=1.0%
- 10 82 LF 4" PERF. PVC @ S=0.5%
- 11 100 LF 4" PERF. PVC @ S=0.5%
- 12 80 LF 4" PERF. PVC @ S=0.5%
- 13 100 LF 4" PERF. PVC @ S=0.5%

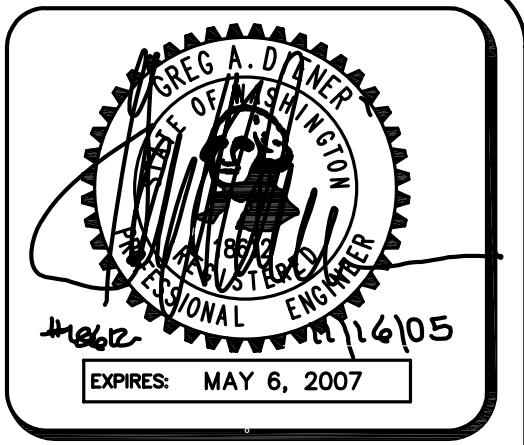


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PROJECT NO.: **05067**
DRAWN BY: **GLD**
ISSUE DATE: **09-30-05**
SHEET REV.: **11-16-05**

SITE AND GRADING PLAN

05067GR01-C03.DWG
C03