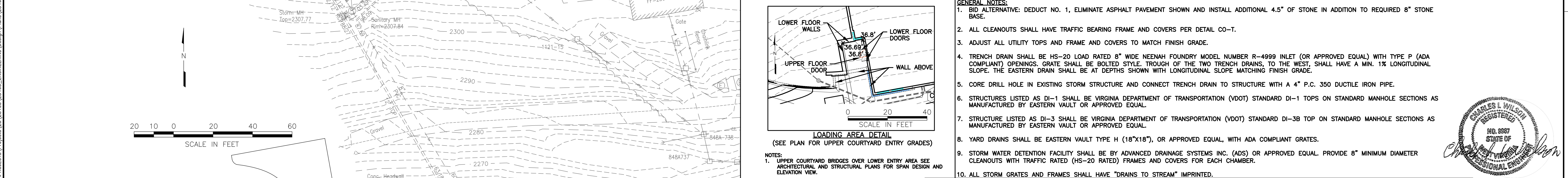
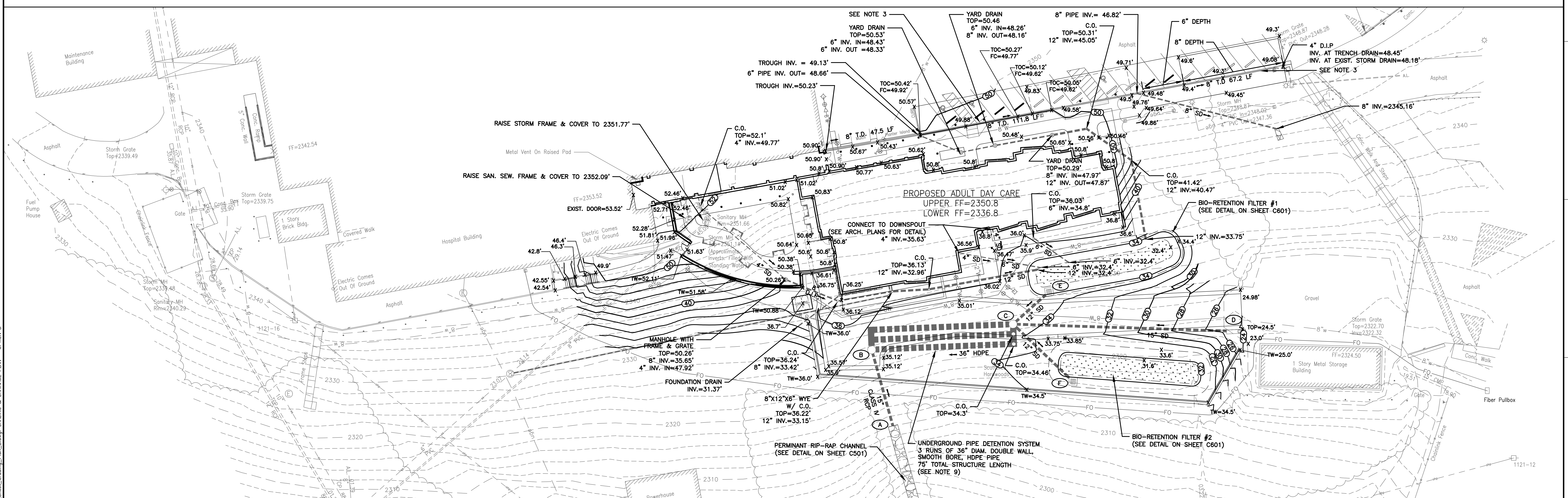
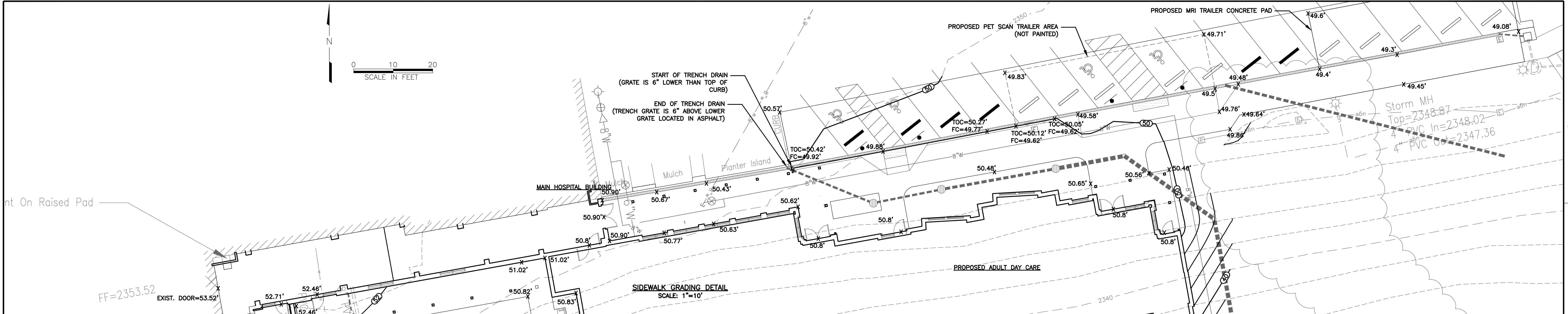





one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
twenty inches = one foot
twenty one inches = one foot
twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
thirty one inches = one foot
thirty two inches = one foot
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seventy two inches = one foot
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seventy four inches = one foot
seventy five inches = one foot
seventy six inches = one foot
seventy seven inches = one foot
seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot



CONSULTANTS:  ANDERSON & ASSOCIATES, INC. Professional Design Services www.andassoc.com 100 Ardmore St. Blacksburg, VA 24060 540-552-5592		ARCHITECT/ENGINEERS:  SFCS Architecture Engineering Planning Interiors SFCS Inc. 305 South Jefferson Street Roanoke, Virginia 24011.2003 540.344.6664 Fax 540.343.6925 www.sfcs.com		Project Number VA246-P-0568 Building Number - Drawing Number C401 Dwg. 8 of 77		Office of Construction and Facilities Management 	
Drawing Title GRADING AND DRAINAGE PLAN		Approved Project Director		Project Title Adult Day Care Building VA Medical Center Comm No. 1010.00		Location Beckley, West Virginia	
General Notes: 1. BID ALTERNATIVE: DEDUCT NO. 1, ELIMINATE ASPHALT PAVEMENT SHOWN AND INSTALL ADDITIONAL 4.5" OF STONE IN ADDITION TO REQUIRED 8" STONE BASE. 2. ALL CLEANOUTS SHALL HAVE TRAFFIC BEARING FRAME AND COVERS PER DETAIL CO-T. 3. ADJUST ALL UTILITY TOPS AND FRAME AND COVERS TO MATCH FINISH GRADE. 4. TRENCH DRAIN SHALL BE HS-20 LOAD RATED 8" WIDE NEENAH FOUNDRY MODEL NUMBER R-4999 INLET (OR APPROVED EQUAL) WITH TYPE P (ADA COMPLIANT) OPENINGS. GRATE SHALL BE BOLTED STYLE. TROUGH OF THE TWO TRENCH DRAINS, TO THE WEST, SHALL HAVE A MIN. 1% LONGITUDINAL SLOPE. THE EASTERN DRAIN SHALL BE AT DEPTHS SHOWN WITH LONGITUDINAL SLOPE MATCHING FINISH GRADE. 5. CORE DRILL HOLE IN EXISTING STORM STRUCTURE AND CONNECT TRENCH DRAIN TO STRUCTURE WITH A 4" P.C. 350 DUCTILE IRON PIPE. 6. STRUCTURES LISTED AS DI-1 SHALL BE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) STANDARD DI-1 TOPS ON STANDARD MANHOLE SECTIONS AS MANUFACTURED BY EASTERN VAULT OR APPROVED EQUAL. 7. STRUCTURE LISTED AS DI-3 SHALL BE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) STANDARD DI-3B TOP ON STANDARD MANHOLE SECTIONS AS MANUFACTURED BY EASTERN VAULT OR APPROVED EQUAL. 8. YARD DRAINS SHALL BE EASTERN VAULT TYPE H (18"x18"), OR APPROVED EQUAL, WITH ADA COMPLIANT GRATES. 9. STORM WATER DETENTION FACILITY SHALL BE BY ADVANCED DRAINAGE SYSTEMS INC. (ADS) OR APPROVED EQUAL. PROVIDE 8" MINIMUM DIAMETER CLEANOUTS WITH TRAFFIC RATED (HS-20 RATED) FRAMES AND COVERS FOR EACH CHAMBER. 10. ALL STORM GRATES AND FRAMES SHALL HAVE "DRAINS TO STREAM" IMPRINTED.		Notes: 1. UPPER COURTYARD BRIDGES OVER LOWER ENTRY AREA SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR SPAN DESIGN AND ELEVATION VIEW.		Scale: 0 20 40 60 SCALE IN FEET		Revisions: Date	