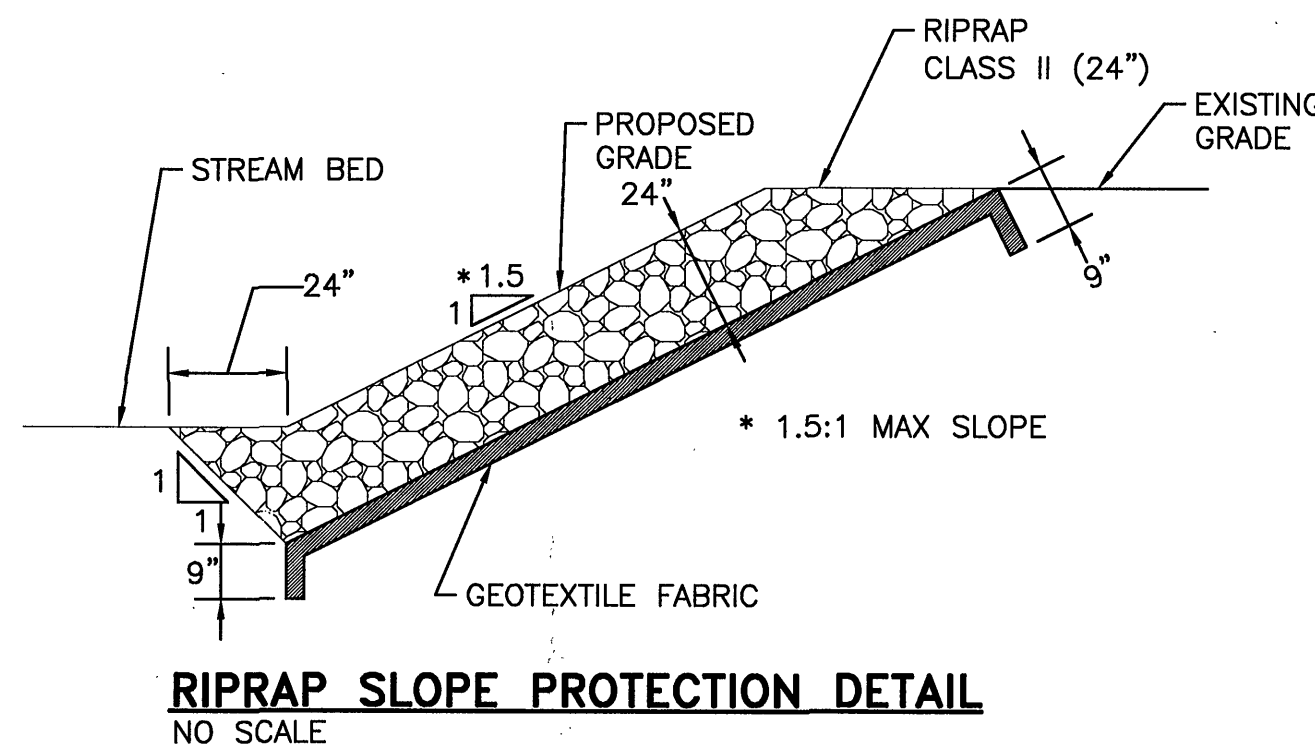
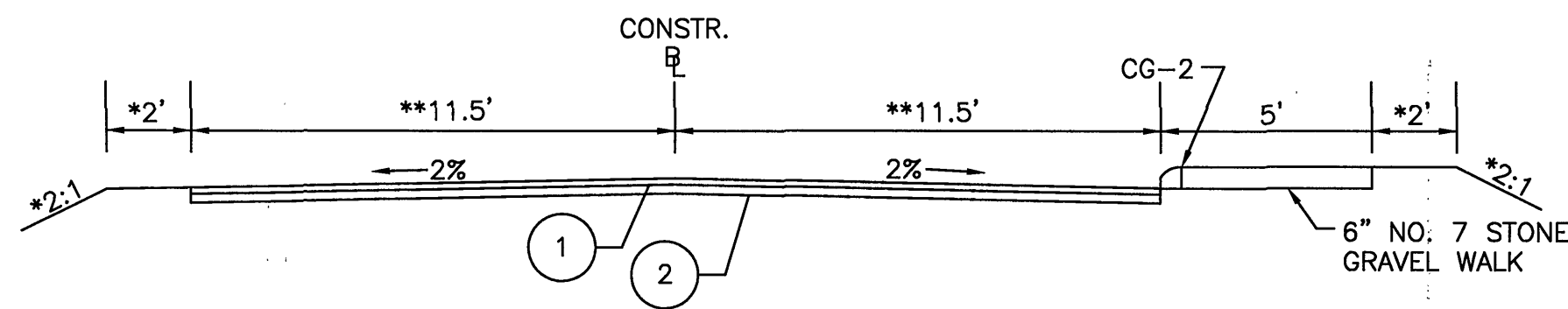


NOTES THIS SHEET

- PAVEMENT RECONSTRUCTION SECTION SHALL BE 8" OF 21A STONE AND 3" OF SM-9.5A ASPHALT PAVEMENT.
- TAPER RIPRAP THICKNESS TO 12" MINIMUM THICKNESS AT CURB AND WINGWALLS.
- ALL SHOULDER RESTORATION SHALL CREATE POSITIVE DRAINAGE TO THE STREAM.
- GUARDRAIL ON SOUTH SIDE OF BERKLEY ROAD SHALL BE DOUBLE NESTED.
- FILL MATERIAL FOR THE ROADWAY EMBANKMENT SHALL BE OBTAINED FROM APPROVED SOURCES OUTSIDE THE PROJECT LIMITS AND SHALL CONFORM TO THE REQUIREMENTS OF THE VDOT RBS SECTION 303. MINIMUM CBR SHALL BE 8. ACCEPTABLE MATERIALS SHALL BE CLASSIFIED AS A-1, A-2-4, A-2-5, OR A-3 IN ACCORDANCE WITH THE AASHTO SOIL CLASSIFICATION SYSTEM.
- THE CONTRACTOR SHALL CONTINUOUSLY BENCH THE EXISTING EARTH SLOPES WHERE NEW FILL MATERIAL IS TO BE PLACED. FOR SLOPES BETWEEN 4:1 AND 1.5:1 THE BENCH SHALL BE AT LEAST 6 FEET IN WIDTH. FOR SLOPES BETWEEN 1.5:1 AND 0.5:1 THE BENCH SHALL BE AT LEAST 4 FEET IN WIDTH. BENCHING SHALL CONSIST OF A SERIES OF HORIZONTAL CUTS BEGINNING AT THE INTERSECTION WITH THE ORIGINAL GROUND AND CONTINUING AT EACH VERTICAL INTERSECTION OF THE PREVIOUS CUT.
- ERADICATE EXISTING PAVEMENT MARKINGS IN ORDER TO TIE INTO THE PROPOSED CONSTRUCTION BASELINE AND EDGE LINE PAVEMENT MARKINGS.
- SEE PROJECT MANUAL FOR TEMPORARY CONSTRUCTION EASEMENT PLAT.



RIPRAP SLOPE PROTECTION DETAIL
NO SCALE

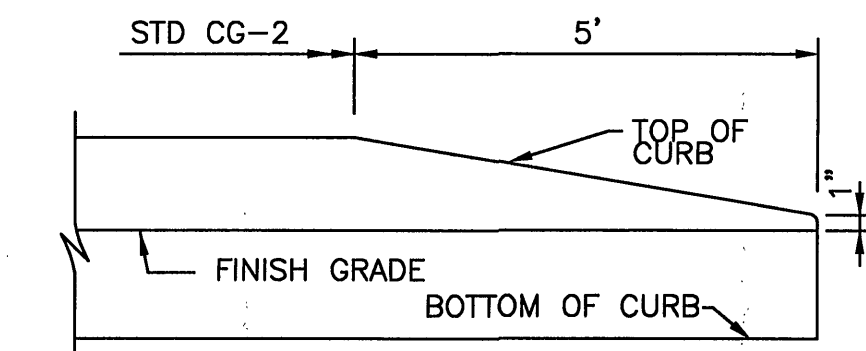


* WILL VARY DEPENDING ON GUARDRAIL LOCATIONS. SEE CROSS SECTIONS SHEET C4
** WILL VARY DEPENDING ON PAVEMENT WIDENING SEE PLAN SHEET.

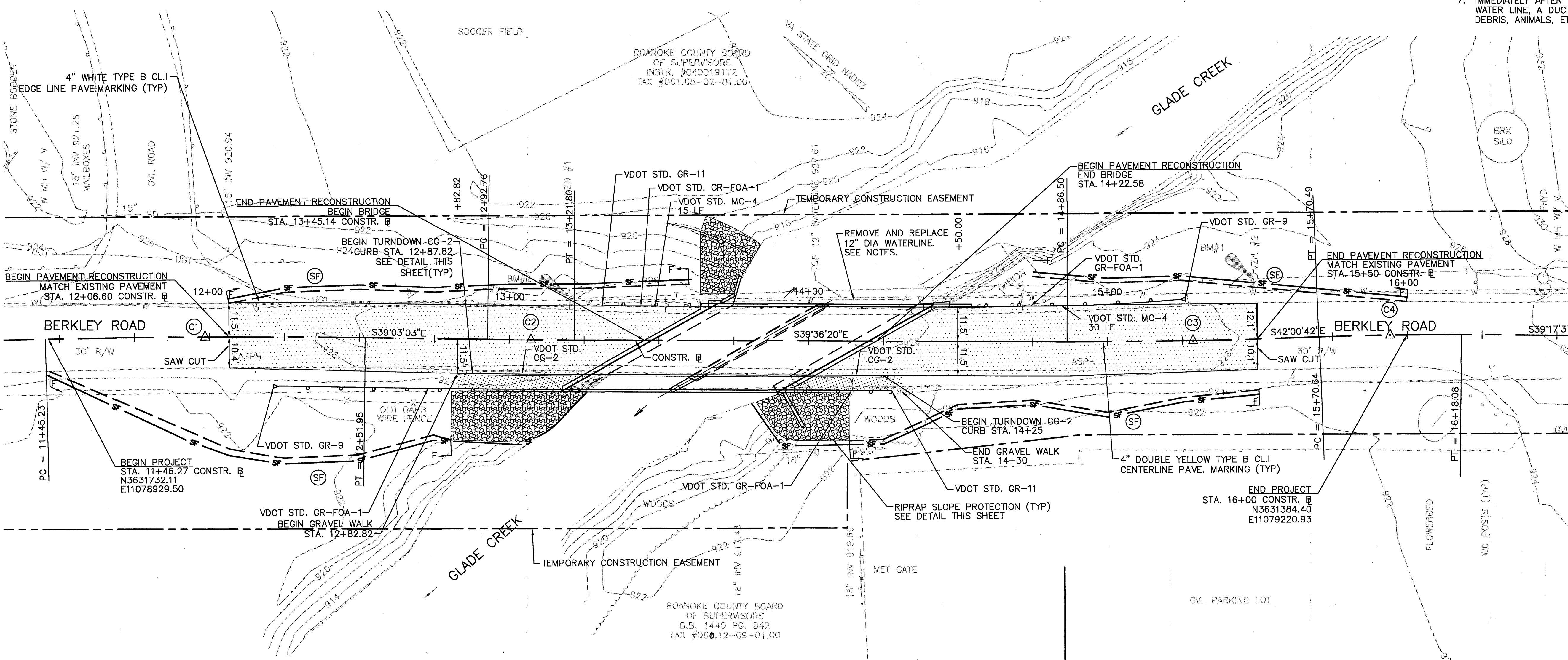
- ROADWAY TYPICAL SECTION DETAIL**
NO SCALE
- 1 3" ASPHALT CONCRETE TYPE SM 9.5A @ 330 LBS/SY
 - 2 8" AGGREGATE BASE MATERIAL TYPE I NO. 21A

WATERLINE NOTES

- THE WESTERN VIRGINIA WATER AUTHORITY (THE AUTHORITY) OWNS AND MAINTAINS AN EXISTING 12" WATER LINE ALONG THE NORTH SIDE OF BERKLEY ROAD. SERVICE IN THIS LINE WILL BE TEMPORARILY DISRUPTED DURING THIS PROJECT.
- ALL WORK INVOLVING THE WATER LINE SHALL BE COMPLETED IN ACCORDANCE WITH THE WESTERN VIRGINIA WATER AUTHORITY WATER AND SEWER DESIGN & CONSTRUCTION STANDARDS - REV. 2006 (THE AUTHORITY'S STANDARDS), AVAILABLE AT <http://www.westernvawater.org/85256A8D0062C8D5/vwFilesByName/VWVAengineering/26ConstructionStd2006.pdf>.
- THE CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE CITY OF ROANOKE REGARDING IMPACTS TO THE WATER SERVICE AND WATER LINE. THE CITY OF ROANOKE SHALL PROVIDE COORDINATION WITH THE AUTHORITY. WATER VALVES SHALL BE OPERATED ONLY BY AUTHORIZED WESTERN VIRGINIA WATER AUTHORITY PERSONNEL.
- THE LIMITS OF WATERLINE REMOVAL ON THE APPROACHES SHALL BE AS REQUIRED TO PERMIT CONSTRUCTION OF THE NEW BRIDGE AND CONNECTION OF THE NEW AND EXISTING WATER LINE PIPE.
- NEW WATER LINE PIPE SHALL BE 12" GRIFFIN MECH-LOK RIGID RESTRAINED JOINT DUCTILE IRON PIPE, CLASS 350, OR EQUIVALENT. PROVIDE ONE EXPANSION JOINT NEAR THE BRIDGE PIER, WITH AN AVAILABLE COMPRESSION OF AT LEAST 3 INCHES AND AN AVAILABLE EXPANSION OF AT LEAST 1.5 INCHES. WATER LINE PIPE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AUTHORITY'S STANDARDS AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS. FOR DETAILS OF NEW WATER LINE SUPPORTS ON THE PROPOSED STRUCTURE, SEE DRAWING B8.
- AFTER INSTALLATION, THE WATERLINE SHALL BE TESTED FOR LEAKS IN ACCORDANCE WITH THE AUTHORITY'S SPECIFICATIONS, SECTION 2665.3.2. AFTER TESTING AND BEFORE FINAL INSPECTION OF THE COMPLETED SYSTEMS, THE WATERLINE SHALL BE DISINFECTED IN ACCORDANCE WITH THE AUTHORITY'S SPECIFICATIONS, SECTION 2665.3.3. LINE FLUSHING SHALL BE PERFORMED IN A MANNER TO PREVENT EROSION OR DAMAGE TO SURROUNDING AREA, STRUCTURES AND ENVIRONMENT, INCLUDING ROADWAY, BRIDGE, STREAMS, WILDLIFE, DITCHES, ETC. A DECHLORINATOR SHALL BE USED.
- IMMEDIATELY AFTER EXPOSING OPEN ENDS OF THE EXISTING DUCTILE IRON WATER LINE, A DUCTILE IRON PLUG SHALL BE INSTALLED TO PREVENT SOIL, DEBRIS, ANIMALS, ETC FROM ENTERING THE EXISTING PIPE.



TURNDOWN CG-2 CURB DETAIL
NO SCALE



LEGEND

- SD DENOTES EXISTING STORM DRAIN
- W DENOTES EXISTING WATER LINE
- T DENOTES EXISTING TELEPHONE LINE
- UGT DENOTES EXISTING UNDERGROUND TELEPHONE LINE
- SF DENOTES TEMPORARY SILT FENCE, STD EC-5
- C/F DENOTES AREAS OF CUT AND FILL
- 940 DENOTES TEMPORARY EASEMENT
- 939 DENOTES EXISTING CONTOURS
- C1 HORIZONTAL CURVE IDENTIFIER. SEE SHEET C2 FOR DATA



GRAPHIC SCALES

SEALS

Chad A Van
Hyning
2011.04.13
15:25:50
-04'00'

BERKLEY ROAD BRIDGE RECONSTRUCTION (STRUCTURE NO. 8015)

CITY OF ROANOKE

ROANOKE, VIRGINIA

AECOM

AECOM
1315 FRANKLIN ROAD
ROANOKE, VIRGINIA, 24016
PHONE (540) 857-3100

PROJECT NO: 60098105
PROJECT PHASE: 0003
ISSUE DATE: 08 APRIL 2011
DESIGNED BY: AEB
DRAWN BY: MGS
CHECKED BY: CAV
SUBMITTED BY:

CIVIL

ROADWAY PLAN

C1

REV DATE DESCRIPTION APP