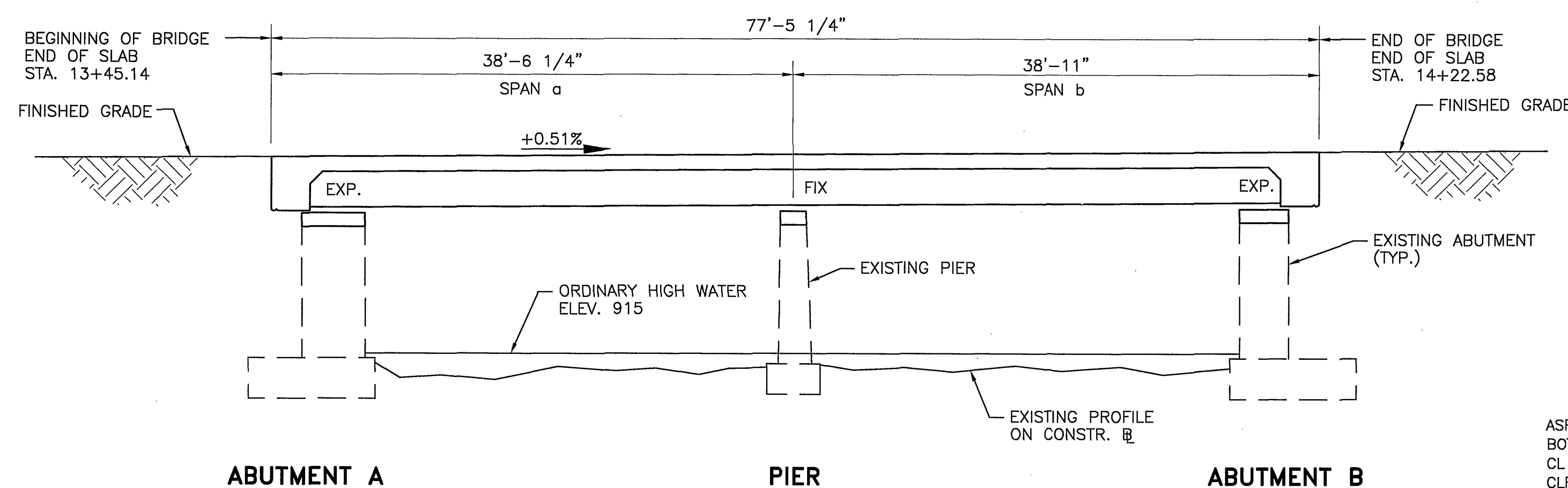


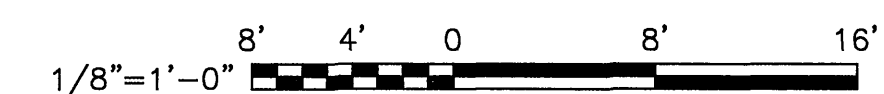
PLAN
SCALE: 1/8"=1'-0"



DEVELOPED SECTION ALONG
SCALE: 1/8"=1'-0"

ABBREVIATIONS:

ASPH	ASPHALT	HS	HIGH STRENGTH
BOT	BOTTOM	INV	INVERT
CL	CENTERLINE	MAX	MAXIMUM
CLR	CLEAR	MET GDR	METAL GUARDRAIL
CONSTR	CONSTRUCTION	MH	MANHOLE
CTRS	CENTERS	PROJ	PROJECTION
E.F.	EACH FACE	RBS	ROAD AND BRIDGE SPECIFICATION
EP	EDGE OF PAVEMENT	SPA	SPACED/SPACING
EQ	EQUAL	STA	STATION
EXIST	EXISTING	STD	STANDARD
FIN	FINISHED	TYP	TYPICAL
GV	GAS VALVE	WM	WATER METER
GVL	GRAVEL	WP	WORKPOINT



GRAPHIC SCALES

GENERAL NOTES:

WIDTH: 23'-0" FACE-TO-FACE OF CURBS.

SPAN LAYOUT: 38 FT -38 FT ROLLED STEEL BEAM SPANS.

CAPACITY: HS20-44 LOADING AND ALTERNATE MILITARY LOADING.

DRAINAGE AREA: 29.3 SQ. MI.

SPECIFICATIONS:

CONSTRUCTION: VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS, 2007.

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1996; 1997 AND 1998 INTERIM SPECIFICATIONS; AND VDOT MODIFICATIONS.

STANDARDS: VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS, 2008.

THESE PLANS ARE INCOMPLETE UNLESS ACCOMPANIED BY THE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE VIRGINIA DEPARTMENT OF TRANSPORTATION WORK AREA PROTECTION MANUAL, MAY 2005 AND LATEST REVISIONS.

DESIGN LOAD INCLUDES 20 PSF ALLOWANCE FOR CONSTRUCTION TOLERANCE AND CONSTRUCTION METHODS.

THE USE OF STAY-IN-PLACE DECK FORMS WILL BE PERMITTED.

ALL STRUCTURAL STEEL, INCLUDING BEARINGS, SHALL BE ASTM A709 GRADE 50W AND SHALL BE UNPAINTED, UNLESS NOTED OTHERWISE IN THE PLANS. BOLTS SHALL CONFORM TO ASTM A325, TYPE 3.

CONCRETE IN SUPERSTRUCTURE, INCLUDING SIDEWALKS, RAILS, BACKWALLS, AND TERMINAL WALLS, SHALL BE CLASS A4; IN SUBSTRUCTURE, CLASS A3. ALL CONCRETE SHALL BE LOW PERMEABILITY. PERMEABILITY TESTING IS NOT REQUIRED FOR THIS PROJECT.

ALL REINFORCING STEEL SHALL BE DEFORMED AND SHALL BE CORROSION RESISTANT REINFORCING (CRR) STEEL CONFORMING TO ASTM A1035 (LOW CARBON, CHROMIUM) WITH A YIELD STRENGTH OF 100 KSI. ALL REINFORCING BAR DIMENSIONS ON THE DETAIL DRAWINGS ARE TO CENTERS OF BARS EXCEPT WHERE OTHERWISE NOTED AND ARE SUBJECT TO FABRICATION AND CONSTRUCTION TOLERANCES. BAR DIMENSIONS IN BENDING DIAGRAM ARE OUT-TO-OUT OF BARS.

ABUTMENT FOOTINGS SHALL BEAR ON WEATHERED ROCK AND HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 2.5 TONS/SQ. FT. MIN. FOUNDATIONS SHALL BE CONSTRUCTED IN DRY CONDITIONS IN ACCORDANCE WITH THE SPECIFICATIONS AND IN COMPLIANCE WITH APPLICABLE PERMIT REQUIREMENTS.

BRIDGE NO. OF EXISTING BRIDGE IS 8015. PLANS FOR THE EXISTING STRUCTURES ARE NOT AVAILABLE.

THE EXISTING STRUCTURE IS DESIGNATED AS A TYPE B STRUCTURE IN ACCORDANCE WITH VDOT SPECIFICATION SECTION 411.

THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS NECESSARY FOR CONSTRUCTION OF THE PROJECT. DIMENSIONS SHOWN AS "±" ARE APPROXIMATE AND ARE PROVIDED FOR INFORMATION.

DURING CONSTRUCTION OPERATIONS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF THOSE PORTIONS OF THE EXISTING STRUCTURE TO REMAIN, INCLUDING PROTECTION OF THE EXISTING GABION STRUCTURE.

THE CONTRACTOR SHALL DEMOLISH AND REMOVE THE EXISTING OVERLAY, TIMBER DECK, RAILING, STEEL SUPERSTRUCTURE AND PORTIONS OF THE SUBSTRUCTURE AS SHOWN IN THESE PLANS. NO PORTION OF THE STRUCTURE SHALL BE REMOVED BY BLASTING OR OTHER METHODS THAT MAY DAMAGE ANY PORTION OF THE STRUCTURE THAT WILL REMAIN IN PLACE. WHEN PNEUMATIC HAMMERS ARE USED TO REMOVE CONCRETE, THEIR WEIGHT SHALL BE NO MORE THAN 90 POUNDS.

THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING AROUND EXISTING UTILITIES ON THE BRIDGE, UNDER THE BRIDGE DECK, AND OVERHEAD OF THE BRIDGE. ANY DAMAGE OR DISTURBANCE RESULTING FROM THE CONSTRUCTION OPERATIONS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

ALL SALVAGED AND DEMOLISHED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AT A LICENSED LANDFILL, RECYCLED OR BE RETAINED BY THE CONTRACTOR.

FOR SURVEY CONTROL INFORMATION, SEE SHEET C1.

SEALS

Daniel R Dean
2011.04.13
15:03:15 -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

REV	DATE	DESCRIPTION	APP

PROJECT NO:	60098105
PROJECT PHASE:	0003
ISSUE DATE:	08 APRIL 2011
DESIGNED BY:	MCV
DRAWN BY:	LKL
CHECKED BY:	DRD
SUBMITTED BY:	

BRIDGE

GENERAL PLAN AND ELEVATION

B1