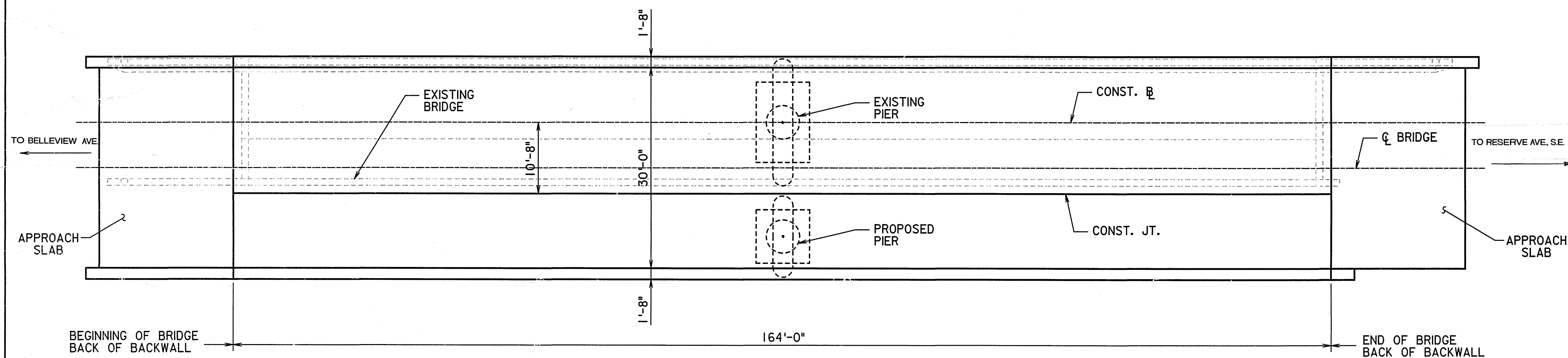


ELEVATION

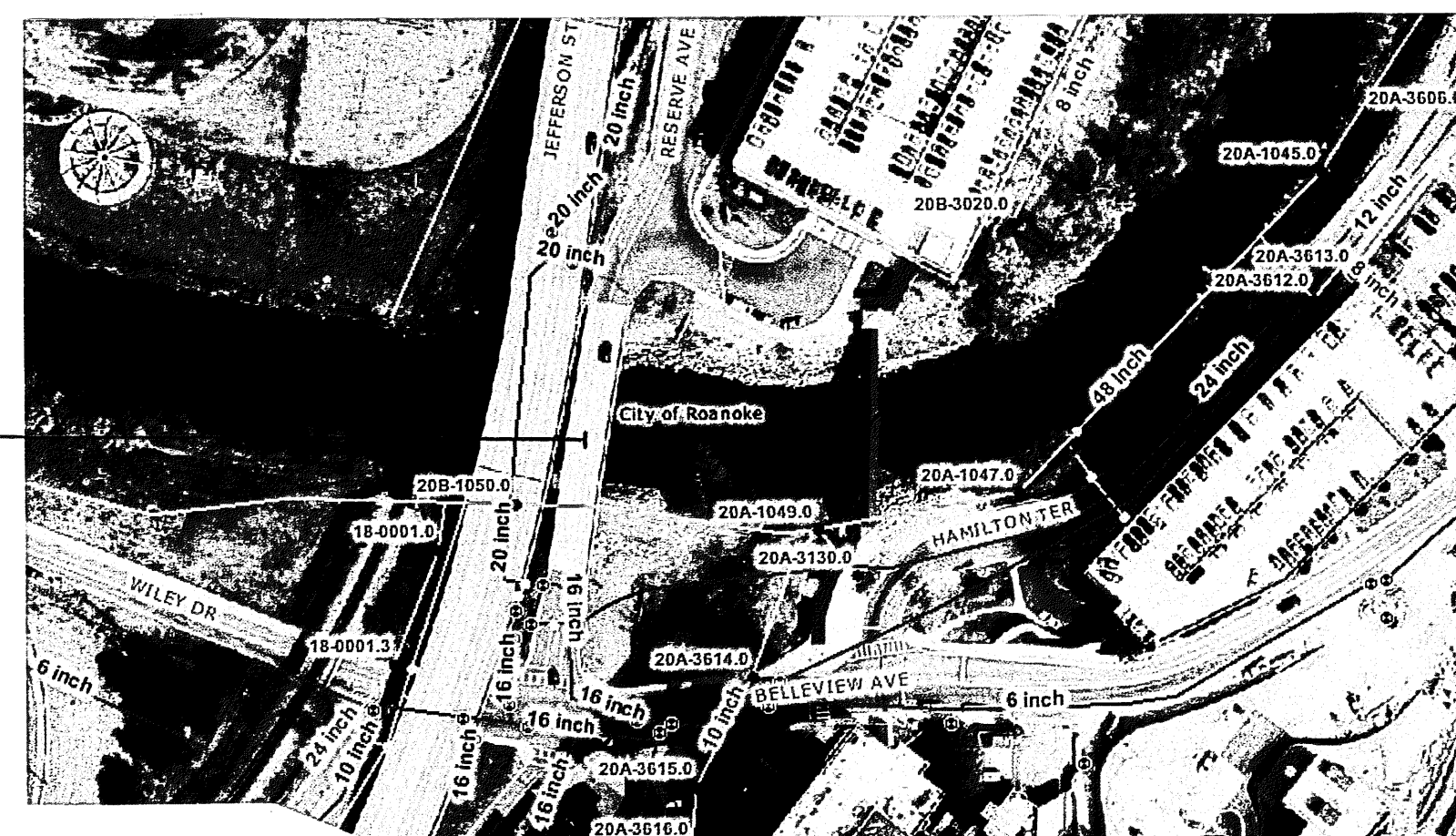
SCALE=1"=10'-0"



PLAN

SCALE=1"=10'-0"

BRIDGE REPLACEMENT



- SPretreatment
- SManholeNumber
- SManhole
- SServiceCleanout
- WFitting
- WValve
- WHydrant
- StormDrainStructure
- SGravityMain
- SLateralLine
- WProposedLine
- WAbandonedLine
- WMain
- WServiceLine
- StormDrainPipes
- StreetCenterlines
- City Town County Boundaries

GENERAL NOTES:

Widths: 30'-0" roadway.

Span Layout: 2 - 79 ft steel beam spans.

Capacity: HS20-44 loading.

Specifications:

Construction: Virginia Department of Transportation and Bridge Specifications, 1994.

Design: AASHTO Standard Specifications for Highway Bridges, 1989; 1990 and 1991 Interim Specifications; and VDOT Modifications.

These plans are incomplete unless accompanied by the Supplemental specification and Special Provisions included in the contract documents.

Design loading includes 20 p.s.f. allowance for construction tolerances and construction methods.

The use of prestressed deck panels as stay-in-place forms will not be permitted.

All structural steel, including bearings, shall be ASTM A709 Grade 50W and shall be unpainted.

Concrete in superstructure, including parapets and terminal walls and integral backwall, shall be Class A4; in Abutment and Pier, Class A3.

Deformed reinforcing bars shall conform to ASTM A615, Grade 60. All reinforcing bar dimensions on the detailed drawings are to centers of bars except where otherwise noted and are subject to fabrication and construction tolerances.

Footings for Abutments and Pier shall rest on solid rock. Bearing capacity of foundation shall be __ Tons/SF.

Bridge No. of existing structure is 8033. Plan No. is unknown.

Structural approach slabs are included in the bridge contract.

B.M. : USC & G brass disc on south wingwall of Railroad Bridge over Roanoke River Elev 938.48.

Mattem & Craig
CONSULTING ENGINEERS - SURVEYORS
701 FIRST STREET, S.W.
ROANOKE, VIRGINIA 24016
(540) 345-5942
FAX (540) 345-1051

CARLION HEALTH SYSTEM
BRIDGE REPLACEMENT
PLAN AND ELEVATION
ROANOKE, VIRGINIA

Vertical Scale:
N/A

Horizontal Scale:
AS SHOWN

Commission Number:
1996B

Sheet No.:

S-1

PRELIMINARY

(Project completed in 2004 - these are not As-Built's)

XXX

Carilion Health System
Bridge Replacement
Roanoke 5/12/2008