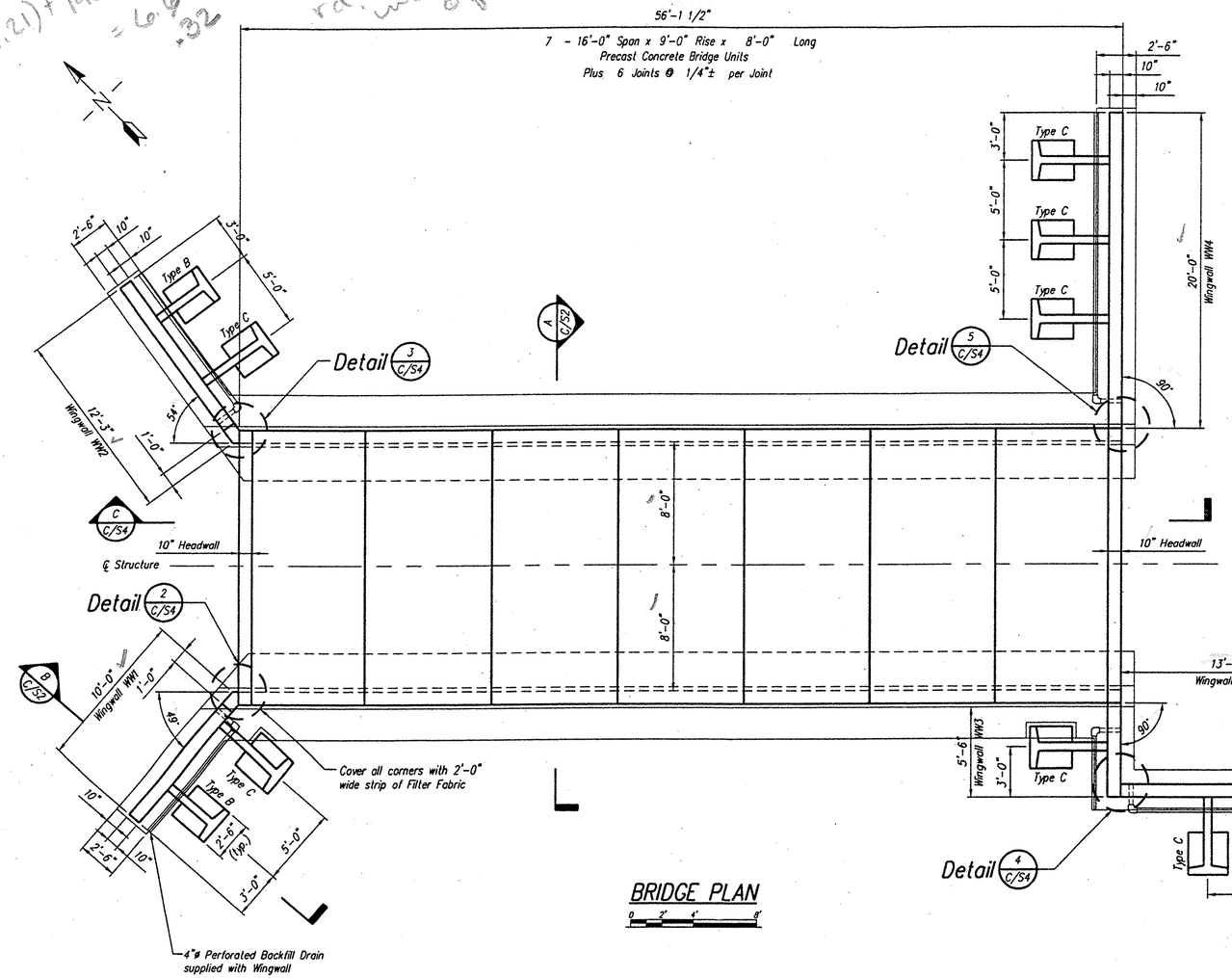
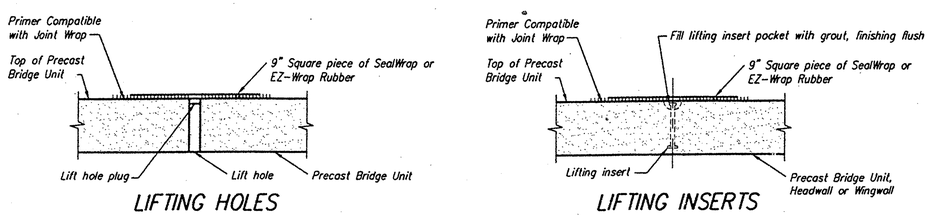


BRIDGE PLAN

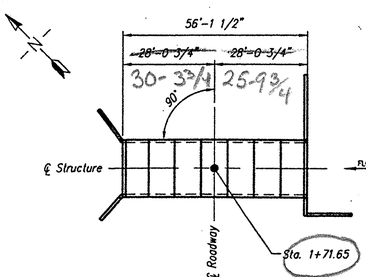
0 2' 4' 8'



LIFTING HOLES

LIFTING INSERTS

TYPICAL LIFT POINT SEALING DETAIL
not to scale



LOCATION PLAN

0 20' 40'

NOTES

GENERAL NOTES:

1. This bridge has been designed for general site conditions. The project engineer shall be responsible for the structure's suitability to the existing site conditions and for the hydraulic evaluation -- including scour and confirmation of soil conditions.
2. Prior to construction, contractor must verify all elevations shown through the engineer.
3. Only Concrete Systems, Inc. the CON/SPAN® approved precaster in New England may provide the structure designed in accordance with these plans.
4. The use of another precast structure with the design assumptions used for the CON/SPAN® structure may lead to serious design errors. Use of any other precast structure with this design and drawings voids any certification of this design and warranty. CONTECH Bridge Solutions Inc. assumes no liability for design of any alternate or similar type structures.
5. Alternate structures may be considered, provided that signed and sealed design drawings (and calculations) are submitted to the engineer 2 weeks prior to the bid date for review and approval.
6. Proposed alternates to a CON/SPAN® Bridge System must submit at least two (2) independently verified full scale load tests that confirm the proposed design methodology of the three sided/arch structure(s). The proposed alternate, upon satisfactory confirmation of design methodology, may be considered an acceptable alternate.

DESIGN DATA

Design Loading:
Bridge Units: HS25-44
Headwalls: Earth Pressure Only
Wingwalls: Earth Pressure Only
Design Fill Height: 2'-0" min. to 6'-0" max. from top of crown to top of pavement.
Design Method: Load factor per AASHTO Specification
Assumed net allowable soil bearing pressure: 2500 PSF *
Assumed gross allowable soil bearing pressure: 3000 PSF *

*At the time of design, a geotechnical report for the project site was not available. It is the project engineer's, owner's and/or the contractor's responsibility to verify that the actual site conditions at the time of construction are consistent with the assumed allowable soil bearing pressure with a geotechnical investigation from a qualified geotechnical engineer.

MATERIALS

Precast units shall be constructed and installed in accordance with CON/SPAN® Specifications. Concrete for Footings shall have a minimum compressive strength of 4000 psi. Reinforcing steel for footings shall conform to ASTM A615 or A996-Grade 60.

APPROVAL ONLY:
NOT FOR CONSTRUCTION

RECEIVED
CK'D BY _____ OK'D BY Mem
JUN 29 2006
RESUBMIT _____ APPROVED As Noted
BY _____ DATE 6/1/06

STATE OF VERMONT
WILLIAM D. LOCKWOOD
No. 6739
PROFESSIONAL ENGINEER
6-22-06

No.	Date	REVISIONS
1		
2		
3		
4		
5		
6		
7		

Engineer's Seal

CON/SPAN® BRIDGE SYSTEMS
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Albany, NY (518) 371-2871 (518) 371-2872 FAX

VERMONT
MONTPELIER
BUELS GORE
033

Designed KJG	CS Project No. 14688
Drawn WLC	
Checked MRW	Sheet No. C/S1
Date 6/22/06	