

NOTES

GENERAL NOTES:

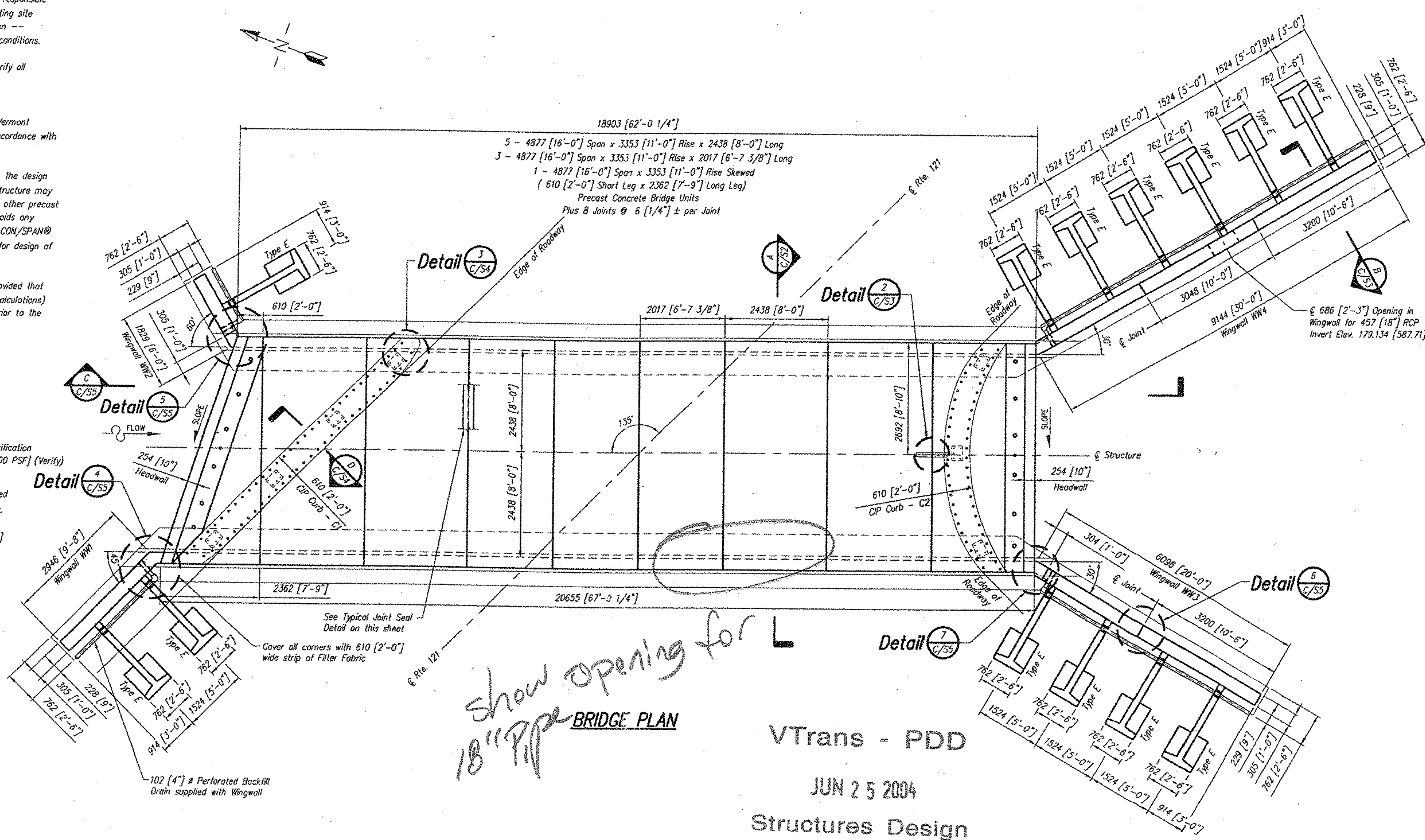
1. This bridge has been designed for general site conditions. The project engineer shall be responsible for the structure's suitability to the existing site conditions and for the hydraulic evaluation -- including scour and confirmation of soil conditions.
2. Prior to construction, contractor must verify all elevations shown through the engineer.
3. Only CONCRETE SYSTEMS, INC. the CON/SPAN® approved precaster in Vermont 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. CON/SPAN® Bridge Systems Ltd. assumes no liability for design of any alternate or similar type structures.
5. Alternate structures will 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.

DESIGN DATA

Design Loading:
 Bridge Units: MS22.5 [HS25-44]
 Headwalls: Earth Pressure Only
 Wingwalls: Earth Pressure Only
 Design Fill Height: 610 [2'-0"] max. from top of crown to top of pavement.
 Design Method: Load factor per AASHTO Specification
 Assumed Allowable Soil Bearing: 144 KPa [3000 PSF] (Verify)

MATERIALS

Precast units shall be constructed and installed in accordance with CON/SPAN® Specifications. Concrete for Footings shall have a minimum compressive strength of 27.6 MPa. [4000 psi]. Reinforcing steel for Footings shall conform to ASTM 615, A616 or A617-Grade 60.



show opening for 18" pipe

BRIDGE PLAN

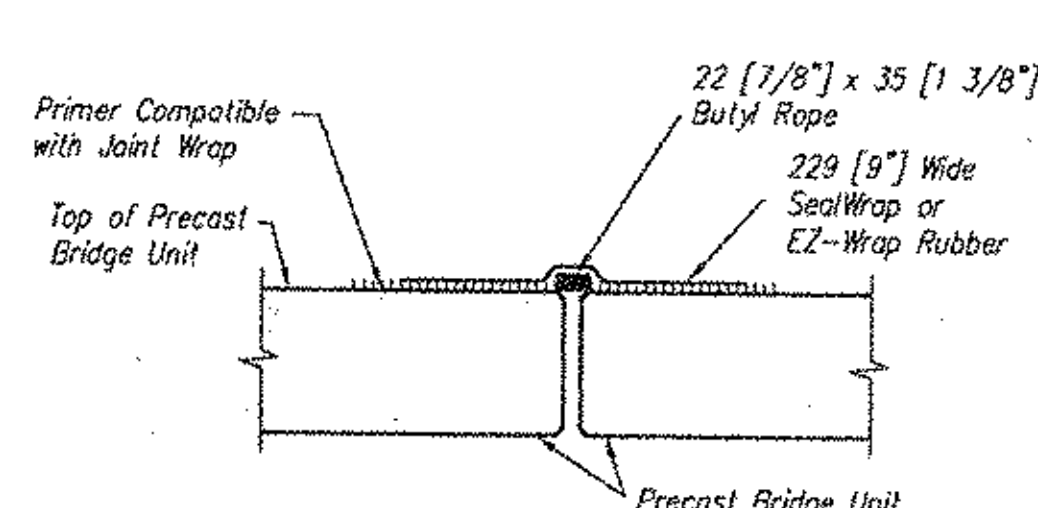
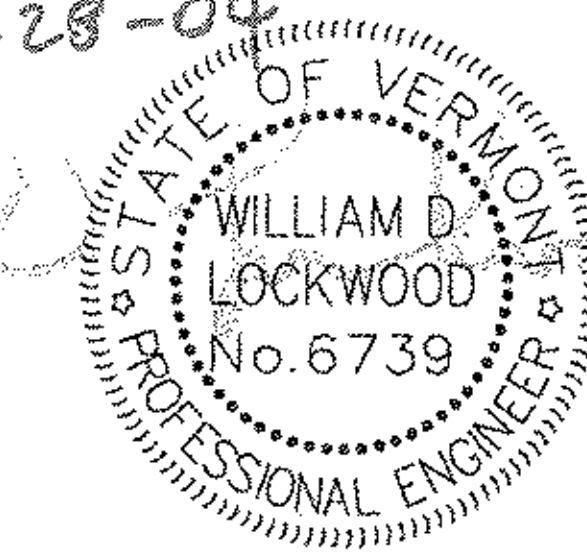
VTrans - PDD
 JUN 25 2004
 Structures Design Section

RECEIVED

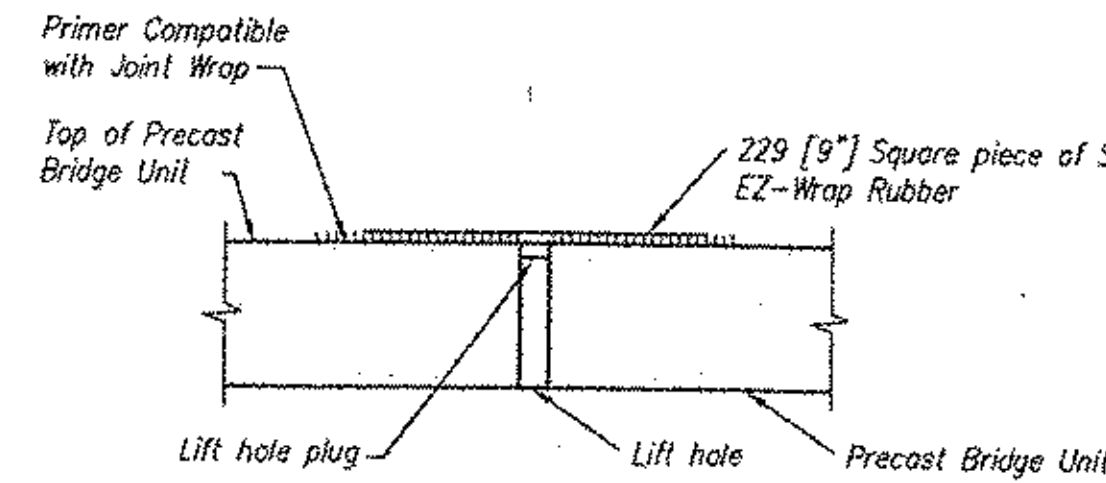
CK'D BY _____ OK'D BY _____

JUN 25 2004

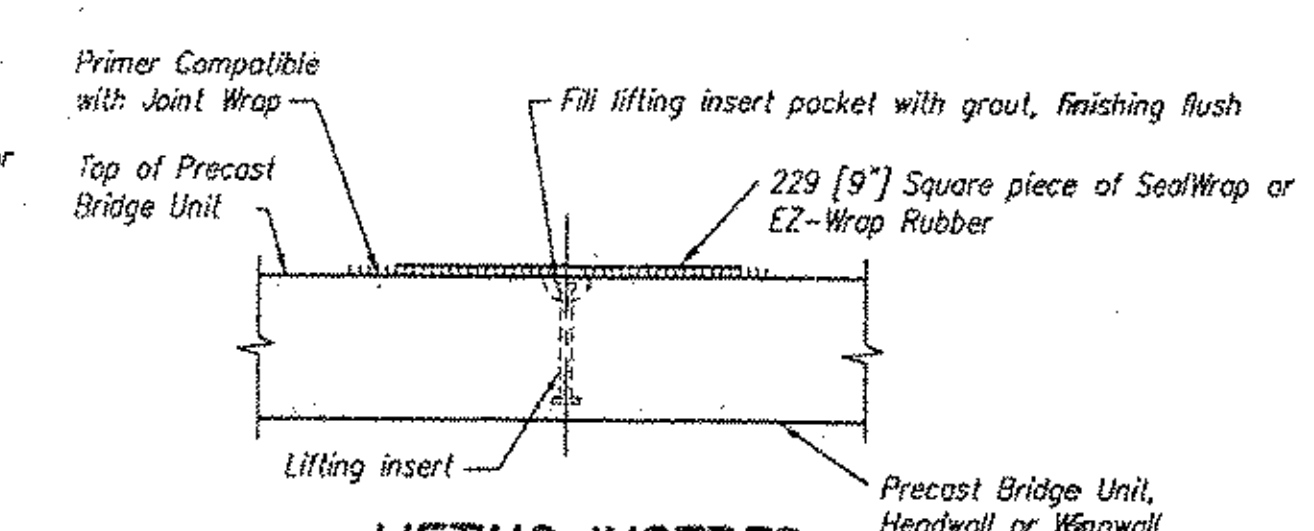
RESUBMIT _____ APPROVED *As Noted*
 BY *RW* DATE *6-28-04*



TYPICAL JOINT SEAL DETAIL
 not to scale



LIFTING HOLES
TYPICAL LIFT POINT SEALING DETAIL
 not to scale



LIFTING INSERTS

Note: All Metric dimensions are given in millimeters and all elevations are given in meters unless noted otherwise.

050

CONCRETE SYSTEMS, INC. NEW ENGLAND 800-342-3374

CON/SPAN® BRIDGE SYSTEMS DAYTON, OHIO 45420-0266

Office: Dayton, OH (937) 254-2233; Charleston, NC (704) 548-9886; Sacramento, CA (916) 787-4201; Albany, NY (518) 371-2871

VERMONT

VT. RTE. 121 BRIDGE NO: 7

Designed	KJG	US Project No.	11415
Drawn	JLL		
Checked	JVP		
Date	6/18/04		

REVISIONS

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