

KUBRICKY CONSTRUCTION CORP.  
269 BALLARD ROAD

WILTON, NY 12831  
518 792-5864



Rutland City BRF 3000 (2014036)  
SUBMITTAL 47.2

Issued 05/22/15  
Respond by 05/29/15

To

**Timothy Pockette, PE**

Topic 900.645 Precast Flapper Valve Headwall RESUBMITTAL 2  
Status For Approval  
Spec section 900.645  
Responsibility (16) River Street  
Received from submitter 5/21/15  
Sent to approver 5/22/15  
Required from approver 5/29/15

From

**Volker H.D. Burkowski**

Signed by

Date

5/22/15

Proceed as Indicated

Owner Authorized Representative

Date



# S.D. Ireland Companies \*Precast Division\*



193 Industrial Ave. Williston, VT 05495  
P.O. Box 2286 South Burlington, VT 05407  
p: 802-863-6222 f: 802-860-1528  
[www.sdireland.com](http://www.sdireland.com)

Attention: Niall Buxton  
 Company: Champlain Constr  
 Address:  
 City, St, Zip:  
 Ph: / Fax:

Date: 5/20/2015  
 Job Name: Rutland City BRF 3000(16) River St  
 Job Number: SDI 15790  
 Regarding: Headwall revised submittal

WE ARE SENDING:  Quote  Details  Other: \_\_\_\_\_  
 Submittals  Prints  Plans  Specifications  
 Copy Of Letter  Change Order  Samples  Revised Submittals

Copies	Date	Pages	Description
1	5/20/2015	1	Transmittal Cover
1	5/20/2015	7	Project Cover pg, Dorr Dr. headwall location, headwall detail, mix design, lift devices

These Are Submitted as Checked Below:

For Approval  Approved as Submitted  Resubmit \_\_ Copies for Approval  
 For Your Use  Approved as Noted  Submit\_\_ Copies for Distribution  
 As Requested  Returned for Corrections  Return \_\_ Corrected Prints  
 For Review and Comment  Prints Returned After Loan to Us  
 For Bids Due: \_\_\_\_\_  Other: \_\_\_\_\_

### Notes/Remarks:

This submittal replaces 28 April 15 submittal.

Thank you.  
 Tim Dudley, S D Ireland Precast Div, 802-863-6222, ext 253,  
[tdudley@sdireland.com](mailto:tdudley@sdireland.com)

Copy To: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signed: \_\_\_\_\_

*If enclosures are not as noted, kindly notify us at once.*

PROJECT DESCRIPTION : CONSTRUCT NEW TWO SPAN GIRDER BRIDGE ON THE NDRTH SIDE OF THE EXISTING TWO SPAN TRUSS BRIDGE. TH-8 REQUIRES REALIGNMENT AND ROADWORK RELATIVE TO THE BRIDGE. TH-10 REQUIRES REALIGNMENT AND ROADWORK. EXISTING BRIDGE WILL BE REMOVED AFTER PROPOSED BRIDGE IS CONSTRUCTED.

# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT BRIDGE PROJECT

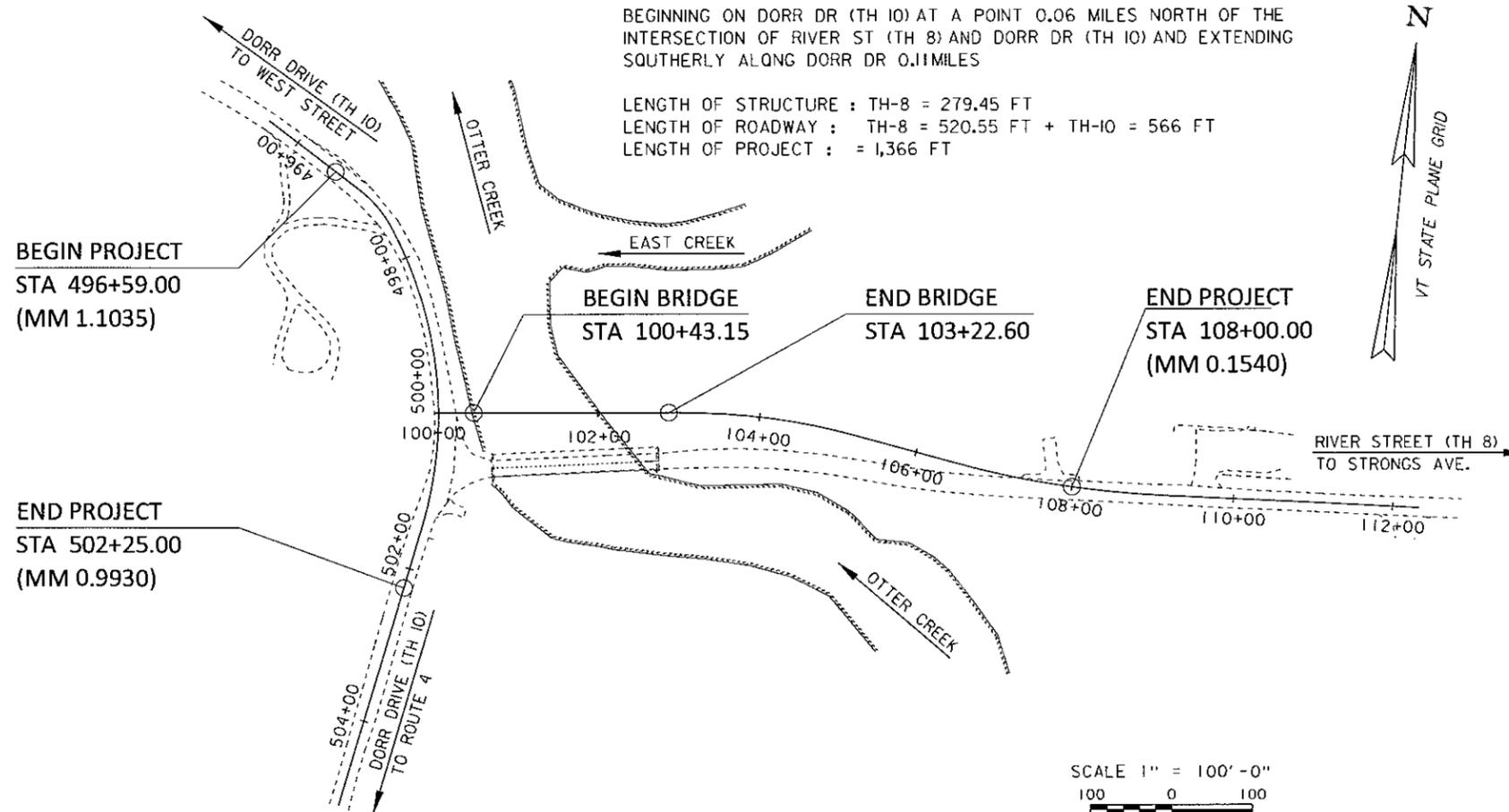
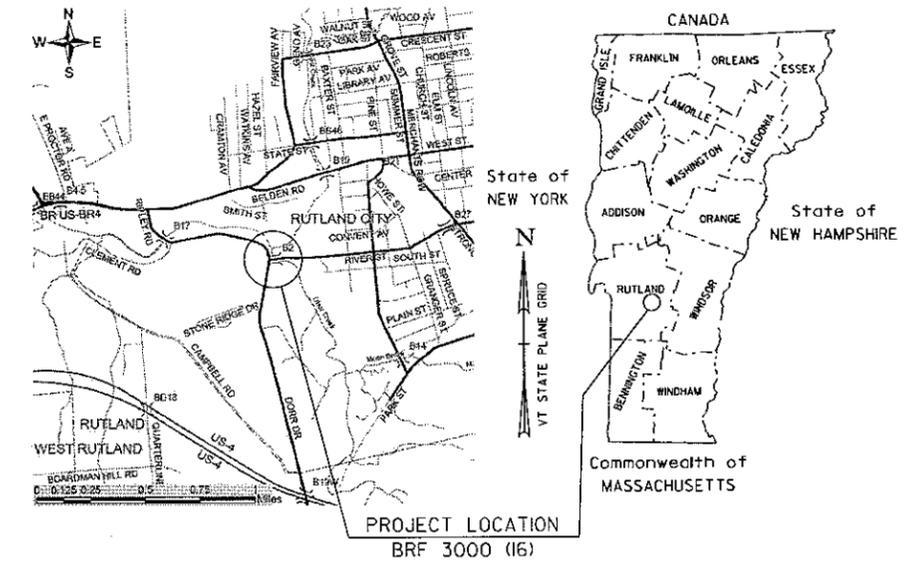
CITY OF RUTLAND  
COUNTY OF RUTLAND

ROUTE NO : TH 8 (RIVER STREET) Urban Collector - FAU 3052  
TH 10 (DORR DRIVE) Urban Collector- FAU 3008  
BRIDGE NO : 2 (TH 8)

BEGINNING AT THE INTERSECTION OF DORR DR (TH 10) AND RIVER ST (TH 8) AND EXTENDING EASTERLY ALONG RIVER ST (TH 8), 0.15 MILES.

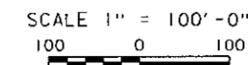
BEGINNING ON DORR DR (TH 10) AT A POINT 0.06 MILES NORTH OF THE INTERSECTION OF RIVER ST (TH 8) AND DORR DR (TH 10) AND EXTENDING SOUTHERLY ALONG DORR DR 0.11MILES

LENGTH OF STRUCTURE : TH-8 = 279.45 FT  
LENGTH OF ROADWAY : TH-8 = 520.55 FT + TH-10 = 566 FT  
LENGTH OF PROJECT : = 1,366 FT



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL 2	
SURVEYED BY : L. ORVIS	
SURVEYED DATE : MARCH 2000	
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (92)



PROJECT MANAGER :	CAROLYN CARLSON
PROJECT NAME :	RUTLAND CITY
PROJECT NUMBER :	BRF 3000 (16)
SHEET 122 OF 245 SHEETS	

ALL FENCE ITEMS  
SEE ROADWAY LAYOUTS

ELECTRICAL CONDUIT  
SEE UTILITY PLANS

SPECIAL PROVISION (C-900 PVC,  
ALL-INCLUSIVE) (12" SEWER OVERFLOW)  
500+92.5 TO 501+29.4 LT (OVERFLOW)

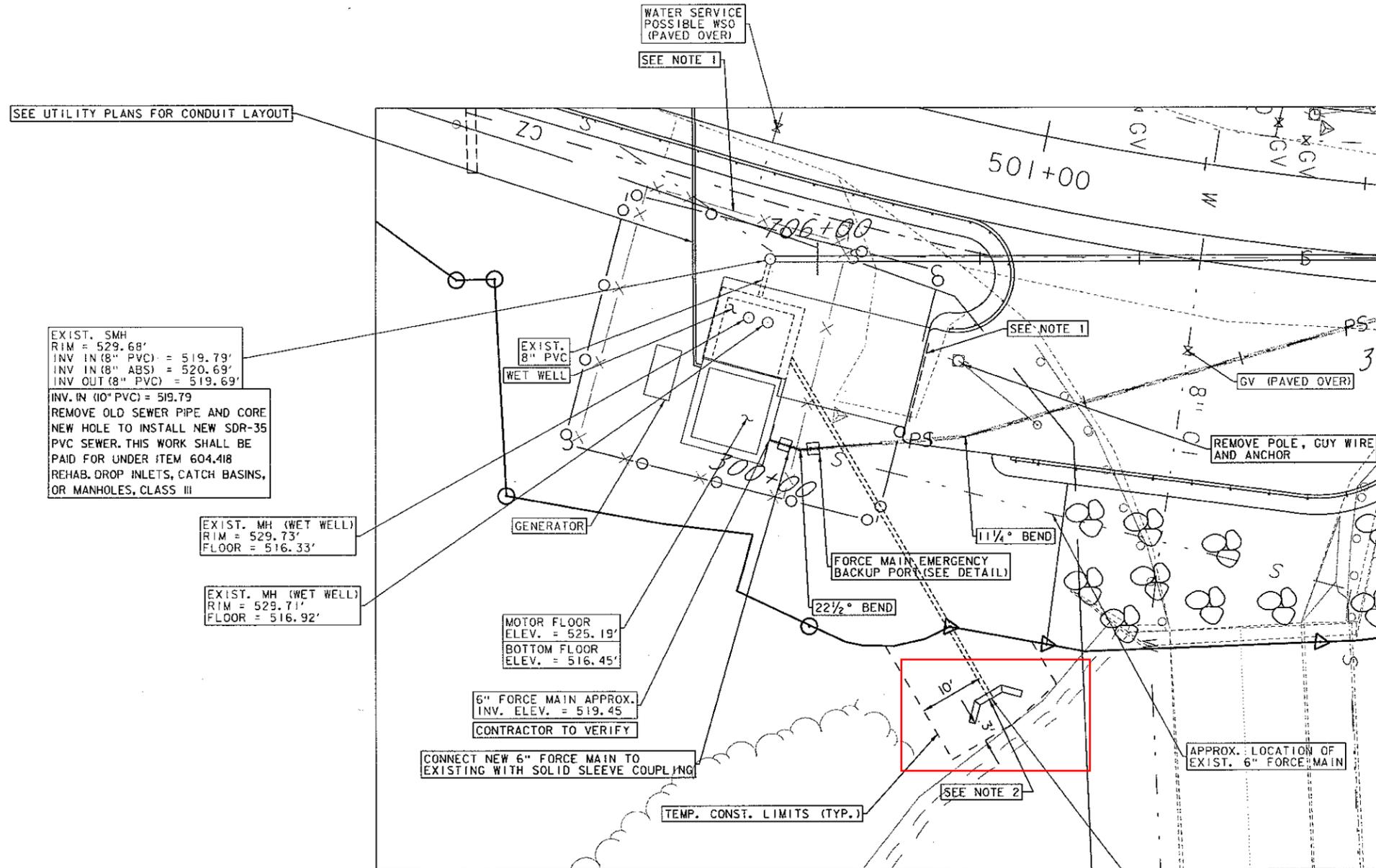
SPECIAL PROVISION (FLAPPER VALVE AND HEADWALL)  
500+92.5 LT

SPECIAL PROVISION (EMERGENCY BACKUP PORT)  
501+23.3 LT

GATE VALVE WITH VALVE BOX  
501+23.3 LT (6") (2) (FOR EMERGENCY BACKUP PORT)

REHAB. DROP INLETS, CATCH BASINS,  
OR MANHOLES, CLASS III  
501+36.1 LT

SPECIAL PROVISION (TRANSITE PIPE REMOVAL)  
500+92.5 TO 501+29.4 LT



EXIST. SMH  
RIM = 529.68'  
INV IN (8" PVC) = 519.79'  
INV IN (8" ABS) = 520.69'  
INV OUT (8" PVC) = 519.69'  
INV IN (10" PVC) = 519.79'  
REMOVE OLD SEWER PIPE AND CORE  
NEW HOLE TO INSTALL NEW SDR-35  
PVC SEWER. THIS WORK SHALL BE  
PAID FOR UNDER ITEM 604.418  
REHAB. DROP INLETS, CATCH BASINS,  
OR MANHOLES, CLASS III

EXIST. MH (WET WELL)  
RIM = 529.73'  
FLOOR = 516.33'

EXIST. MH (WET WELL)  
RIM = 529.71'  
FLOOR = 516.92'

MOTOR FLOOR  
ELEV. = 525.19'  
BOTTOM FLOOR  
ELEV. = 516.45'

6" FORCE MAIN APPROX.  
INV. ELEV. = 519.45'  
CONTRACTOR TO VERIFY

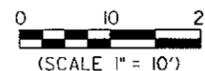
CONNECT NEW 6" FORCE MAIN TO  
EXISTING WITH SOLID SLEEVE COUPLING

TEMP. CONST. LIMITS (TYP.)

EXIST. SEWER OVER FLOW APPROX.  
INV. = 521.44'  
CONTRACTOR TO VERIFY  
POSSIBLE TRANSITE (AC) PIPE  
PER CITY OF RUTLAND GIS MAPPING

NOTES:

- CONTRACTOR TO REMOVE ALL EXISTING FENCE AND SWING GATE. INSTALL NEW CHAIN-LINK FENCE AND NEW 16' SLIDE GATE. SEE ROADWAY LAYOUTS. SUBMIT WORKING DRAWING FOR SLIDE GATE CONFIGURATION.
- REMOVE EXISTING OVERFLOW PIPE AND CLEANOUT AND INSTALL NEW 12" C-900 PVC OVERFLOW PIPE WITH NEW FLAPPER VALVE AND HEADWALL. MATCH PROFILE. CONNECT TO EXISTING PIPE WITH SOLID SLEEVE COUPLING APPROX. 2' TO 4' OUTSIDE WET WELL. SEE FLAPPER VALVE AND HEADWALL DETAIL.



WATER AND SEWER PLANS

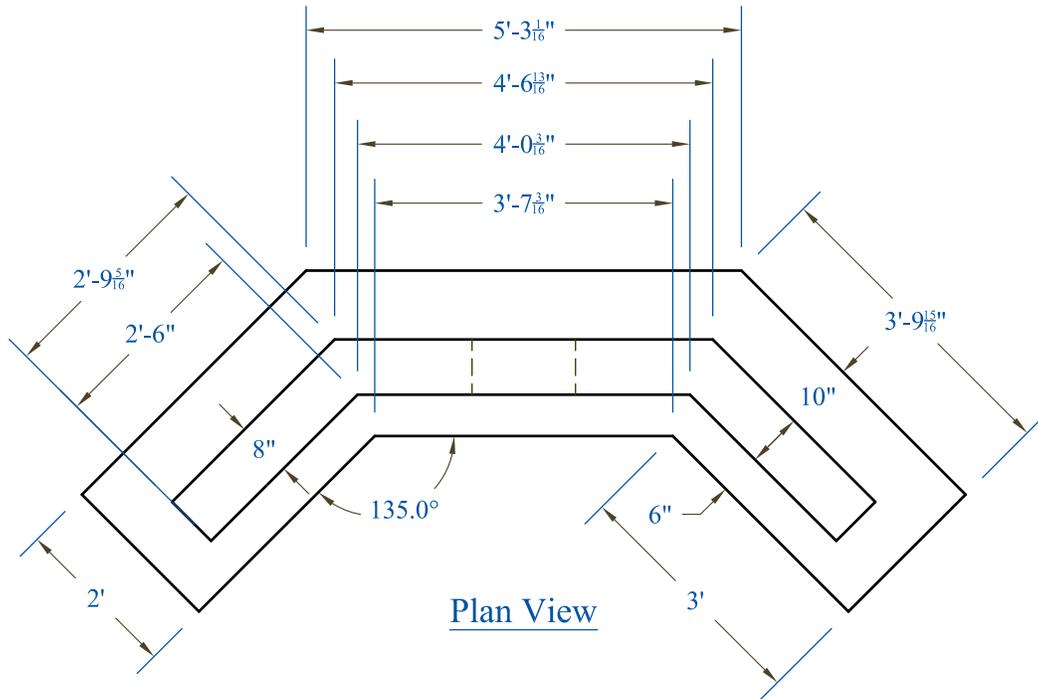


540 Commercial Street, Manchester, NH 03101  
(603) 668-8223 • Fax (603) 668-8802  
cd@cdengineers.com • www.cdengineers.com  
Maine • New Hampshire • Vermont

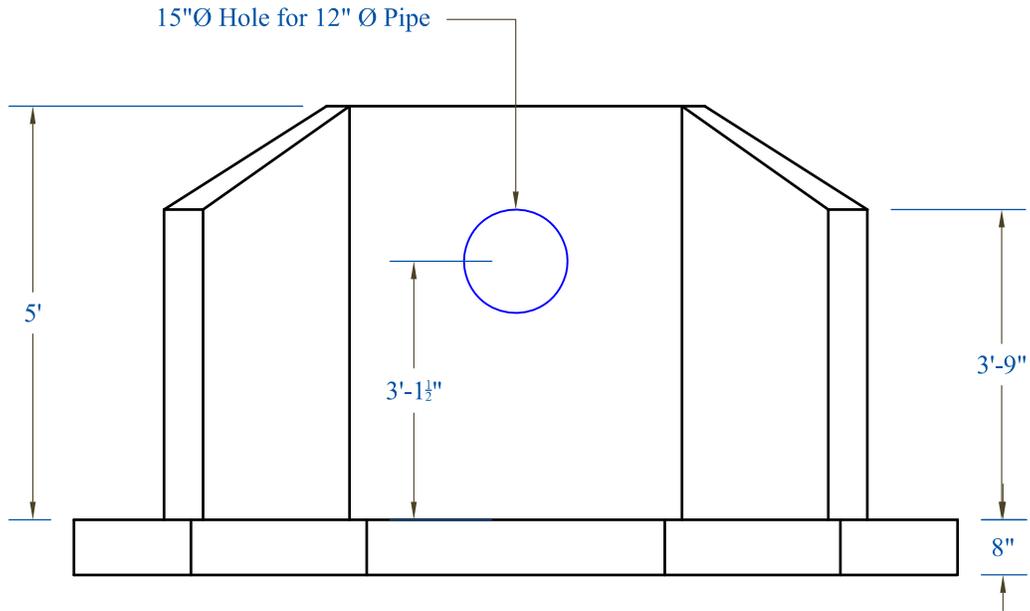
PROJECT NAME: RUTLAND CITY  
PROJECT NUMBER: BRP 3000 (16)

FILE NAME: z94j092bdrswr.dgn  
PROJECT LEADER: C. BEAN  
DESIGNED BY: D. LEWIS  
DORR DRIVE PUMP STATION PLAN

PLOT DATE: 6/17/2014  
DRAWN BY: W. GORDON  
CHECKED BY: S. REICHERT  
SHEET 14 OF 22



Plan View



Elevation View

6800 lbs.

Job #: 15790  
 Company: Champlain Constr.  
 Project: River St. BRF3000(16)  
 Address: Rutland, VT  
 Date: 02/03/15  
 Scale: N.T.S.

Design Notes:  
 -Concrete Minimum 5000 psi at 28 days  
 -Grade 60 Steel Reinforcing







PO Box 736 • Stevenson, CT 06491  
 www.oxfordtechusa.com  
 Phone: (203) 268-6030  
 Fax: (203) 445-1240  
 info@oxfordtechusa.com

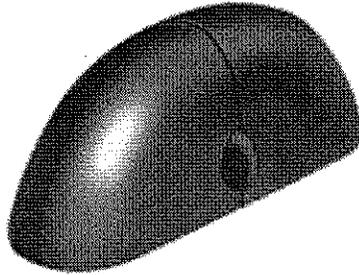
**Oxford Lift System®**

**B-500**  
Block Out

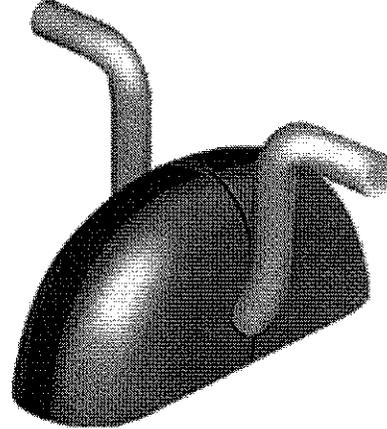
Makes a 7" L x 2"  
W x 3"H Void

**B-750**  
Block Out

Makes a 8" L x 3"  
W x 4"H Void



Patented



Patented

[<back](#)

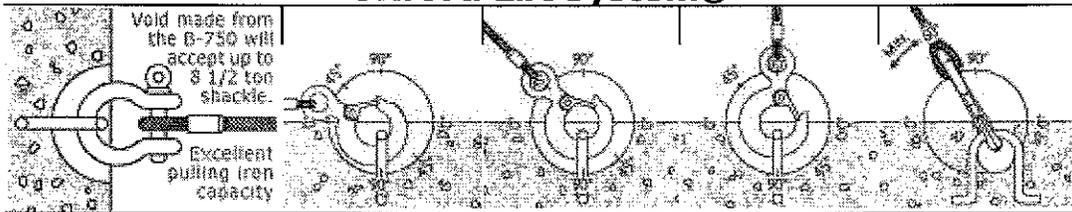
[next>](#)

Home	B-500 & B-750	S-150	S-300	Lift Anchor & Order Form	Concrete Products
Pull Iron Capacity	Anchors & Accessories	Toggle-Lok	Insert/Lift Anchor	Grid-Lok/Rebar Chair	Helpful Calculations



PO Box 736 • Stevenson, CT 06491  
 www.oxfordtechusa.com  
 Phone: (203) 268-6030  
 Fax: (203) 445-1240  
 info@oxfordtechusa.com

**Oxford Lift System®**



Anchor Product Code	Slab Min. Inches	Safe Working Load @ 90 degree Shear-0 degree Pull	Safe Working Load @ 90 degree Shear-45 degree Pull	Safe Working Load @ 90 degree Tension-90 degree Pull	Safe Working Load @ 90 degree Shear-60 degree Pull
A 500-3	4.00"	4,500	4,000	3,500	4,000
A 500-4	5.00"	8,000	5,500	4,000	5,000
A 500-5	6.00"	10,500	6,500	5,000	5,500
A 750-5	6.00"	12,500	8,000	7,000	7,000
A 750-7	8.00"	15,000	12,500	10,000	10,000

Note: Safe Working Load provides a factor of safety of approximately 4:1

Test Results are based on a minimum concrete compressive strength of 4,000 psi.

[< back](#)   [next >](#)

Home	B-500 & B-750	S-150	S-300	Lift Anchor & Order Form	Concrete Products
Pull Iron Capacity	Anchor & Accessories	Toggle-Lok	Insert/Lift Anchor	Grid-Lok/Rebar Chair	Helpful Calculations