STORMVAULT COALESCING PLATE SEPARATOR (SVCPS)  
MODEL: SVCPS-3/8-250

WATER QUALITY TREATMENT FLOW (WQTF)  
2000 GPM (5.66 GDS)

TARGET EFFLUENT CONCENTRATION  
15 MG/L

TARGET MINIMUM OIL DROPLET SIZE TO BE REMOVED  
130-µm (MICRONS)

SPACING BETWEEN COALESCING PLATES  
24" (600 mm)

NUMBER OF 1' x 8' x 6' LONG ALUMINUM PLATES  
880

NUMBER OF COALESCING PLATE STACKS  
8

NUMBER OF COALESCING PLATES PER STAGE  
110

LAMELLA PLATE DESIGN ASSUMPTIONS:
1. THE STORMVAULT COALESCING PLATE SEPARATOR SYSTEM (LAMELLA) IS MANUFACTURED USING HIGH GRADE ALUMINUM.
2. FOR WATER QUALITY DISCHARGE TO STORM SYSTEM UNIT REQUIRING DIVERSION/BYPASS/VAULT/MANHOLE, SEE JENSEN DIVERTER STRUCTURE.

GENERAL NOTES:
1. SCALE INTERNAL COMPONENTS NOT SHOWN FOR CLARITY.
2. EACH VAULT SECTION HAS AN ACCESS DOOR UNLESS SHOWN OTHERWISE.
3. ALL INTERNAL COMPONENTS INSTALLED BY JENSEN UNLESS OTHERWISE SPECIFIED.
4. FOR UNITS REQUIRING WATER QUALITY DIVERSION/BYPASS SYSTEM, SEE JENSEN DIVERTER STRUCTURE.
5. PANEL DETAILS AND PANEL WIRING DRAWINGS AVAILABLE TO SUPPORT OPTIONAL LEVEL ALARM SENSOR SYSTEM INSTALLATION.

CONSTRUCTION NOTES:
1. ALL DIMENSIONS ARE IN FRACTIONAL INCHES.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS OF ALL PRECAST PIECES IN FIELD.
3. VERIFY CONDITION OF REMOVABLE ALUMINUM FRAME AND LAMELLA PLATES BEFORE INSTALLATION.
4. VERIFY SUBBASE/SUBGRADE ELEVATION BEFORE PLACING PRECAST COMPONENTS OR BACKFILLING.
5. APPLY BUTYL MASTIC AND/OR GROUT TO SEAL JOINTS OF STRUCTURE.
6. APPLY LOAD TO MASTIC SEAL IN JOINTS OF VAULT TO COMPRESS SEALANT IF NECESSARY. UNIT MUST BE WATER TIGHT, HOLDING WATER UP TO FLOWLINE INVERT (MINIMUM).
7. CONTRACTOR TO GROUT SEAL INLET AND DISCHARGE PIERS TO VAULT/MAHOLE WALL IF NO-BOOT CONNECTION SPECIFIED.
8. BLOCK AND/OR GROUT PACK BENEATH FRAMES AND COVERS TO MATCH FINISHED GRADE.
9. TOP & BOTTOM SLABS AND WALL THICKNESS SHALL BE DESIGNED FOR SPECIFIC PROJECT INSTALLATION DEPTHS.

MATERIALS:
1. PRECAST VAULT MATERIALS AND MANUFACTURING METHODS SHALL CONFORM TO ALL APPLICABLE ASTM AND AASHTO SPECIFICATIONS.

MATERIAL LIST - PROVIDED WITH UNIT:

<table>
<thead>
<tr>
<th>QTY</th>
<th>COMPONENT DESCRIPTION</th>
<th>MATERIAL PROVIDER</th>
<th>RESPONSIBLE INSTALLER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>XX&quot; OIL &amp; GREASE SORBENT MATS OR PADS</td>
<td>JENSEN CONTRACTOR</td>
<td>JENSEN CONTRACTOR</td>
</tr>
<tr>
<td>2</td>
<td>XX&quot; CAST IRON FRAME &amp; COVER (TYP)</td>
<td>JENSEN CONTRACTOR</td>
<td>JENSEN CONTRACTOR</td>
</tr>
<tr>
<td>2</td>
<td>FIXED FRAMEWORK</td>
<td>JENSEN CONTRACTOR</td>
<td>JENSEN CONTRACTOR</td>
</tr>
<tr>
<td>1</td>
<td>XX&quot; CAST IRON INLET AND OUTLET PIPING ASSEMBLY</td>
<td>JENSEN CONTRACTOR</td>
<td>JENSEN CONTRACTOR</td>
</tr>
</tbody>
</table>

DESCRIPTION:
SVCPS-3/8-250

REV.

DATE

NAME

PROJECT NUMBER

DRAWN BY

MODIFIED

6/9/2020

T. Handke

JENSEN WATER RESOURCES
521 DUNN CIRCLE, SPARKS, NV 89431
www.jensenwaterresources.com
(855) 468-5600

©2018 Jensen Precast - All rights reserved.
All rights reserved. No part of this publication may be reproduced in whole or in part, in any form or by any means, without written permission from the publisher, unless otherwise indicated. This publication is distributed on an "as is" basis, without warranty of any kind, either express or implied.

DISCLAIMERS, INCLUDING BUT NOT LIMITED TO:
1. All elevations have been provided by others, and have not been verified by Jensen Precast. Contractor to verify all dimensions and elevations prior to construction.
2. These layout drawings are intended to show overall system design only. All concrete component thicknesses, dimensions, and joint orientations may vary across Jensen Precast's manufacturing facilities. Contractor to confirm all thicknesses, dimensions, and joint orientations prior to installation.
3. System design criteria has been provided to Jensen Precast. Others are responsible for verification that system meets intended application.
4. Foundation, subgrade, and backfill to be designed by others.
5. All materials appearing on this Jensen Precast document and the like are proprietary work product and are protected under U.S. copyright and other laws. Unless in conjunction with business conducted with Jensen Precast, any use of Jensen Precast work product without express, written consent is prohibited, and recipient is prohibited from distributing any and all work product to non-approved third parties under penalty of civil action.

LAMELLA PLATE DESIGN ASSUMPTIONS:
1. SOME INTERNAL COMPONENTS NOT SHOWN FOR CLARITY.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS OF ALL PRECAST PIECES INFIELD.
3. VERIFY CONDITION OF REMOVABLE ALUMINUM FRAME AND LAMELLA PLATES BEFORE INSTALLATION.
4. VERIFY SUBBASE/SUBGRADE ELEVATION BEFORE PLACING PRECAST COMPONENTS OR BACKFILLING.
5. APPLY BUTYL MASTIC AND/OR GROUT TO SEAL JOINTS OF STRUCTURE.
6. APPLY LOAD TO MASTIC SEAL IN JOINTS OF VAULT TO COMPRESS SEALANT IF NECESSARY. UNIT MUST BE WATER TIGHT, HOLDING WATER UP TO FLOWLINE INVERT (MINIMUM).
7. CONTRACTOR TO GROUT SEAL INLET AND DISCHARGE PIERS TO VAULT/MAHOLE WALL IF NO-BOOT CONNECTION SPECIFIED.
8. BLOCK AND/OR GROUT PACK BENEATH FRAMES AND COVERS TO MATCH FINISHED GRADE.
9. TOP & BOTTOM SLABS AND WALL THICKNESS SHALL BE DESIGNED FOR SPECIFIC PROJECT INSTALLATION DEPTHS.

MATERIALS:
1. PRECAST VAULT MATERIALS AND MANUFACTURING METHODS SHALL CONFORM TO ALL APPLICABLE ASTM AND AASHTO SPECIFICATIONS.

MATERIAL LIST - PROVIDED WITH UNIT:

<table>
<thead>
<tr>
<th>QTY</th>
<th>COMPONENT DESCRIPTION</th>
<th>MATERIAL PROVIDER</th>
<th>RESPONSIBLE INSTALLER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>XX&quot; OIL &amp; GREASE SORBENT MATS OR PADS</td>
<td>JENSEN CONTRACTOR</td>
<td>JENSEN CONTRACTOR</td>
</tr>
<tr>
<td>2</td>
<td>XX&quot; CAST IRON FRAME &amp; COVER (TYP)</td>
<td>JENSEN CONTRACTOR</td>
<td>JENSEN CONTRACTOR</td>
</tr>
<tr>
<td>2</td>
<td>FIXED FRAMEWORK</td>
<td>JENSEN CONTRACTOR</td>
<td>JENSEN CONTRACTOR</td>
</tr>
<tr>
<td>1</td>
<td>XX&quot; CAST IRON INLET AND OUTLET PIPING ASSEMBLY</td>
<td>JENSEN CONTRACTOR</td>
<td>JENSEN CONTRACTOR</td>
</tr>
</tbody>
</table>

DESCRIPTION:
SVCPS-3/8-250

REV.

DATE

NAME

PROJECT NUMBER

DRAWN BY

MODIFIED

6/9/2020

T. Handke

JENSEN WATER RESOURCES
521 DUNN CIRCLE, SPARKS, NV 89431
www.jensenwaterresources.com
(855) 468-5600

©2018 Jensen Precast - All rights reserved.
All rights reserved. No part of this publication may be reproduced in whole or in part, in any form or by any means, without written permission from the publisher, unless otherwise indicated. This publication is distributed on an "as is" basis, without warranty of any kind, either express or implied.

DISCLAIMERS, INCLUDING BUT NOT LIMITED TO:
1. All elevations have been provided by others, and have not been verified by Jensen Precast. Contractor to verify all dimensions and elevations prior to construction.
2. These layout drawings are intended to show overall system design only. All concrete component thicknesses, dimensions, and joint orientations may vary across Jensen Precast's manufacturing facilities. Contractor to confirm all thicknesses, dimensions, and joint orientations prior to installation.
3. System design criteria has been provided to Jensen Precast. Others are responsible for verification that system meets intended application.
4. Foundation, subgrade, and backfill to be designed by others.
5. All materials appearing on this Jensen Precast document and the like are proprietary work product and are protected under U.S. copyright and other laws. Unless in conjunction with business conducted with Jensen Precast, any use of Jensen Precast work product without express, written consent is prohibited, and recipient is prohibited from distributing any and all work product to non-approved third parties under penalty of civil action.