

# ***STORMWATER INTERCEPTORS***



**ENGINEERED STORMWATER MANAGEMENT SYSTEMS**



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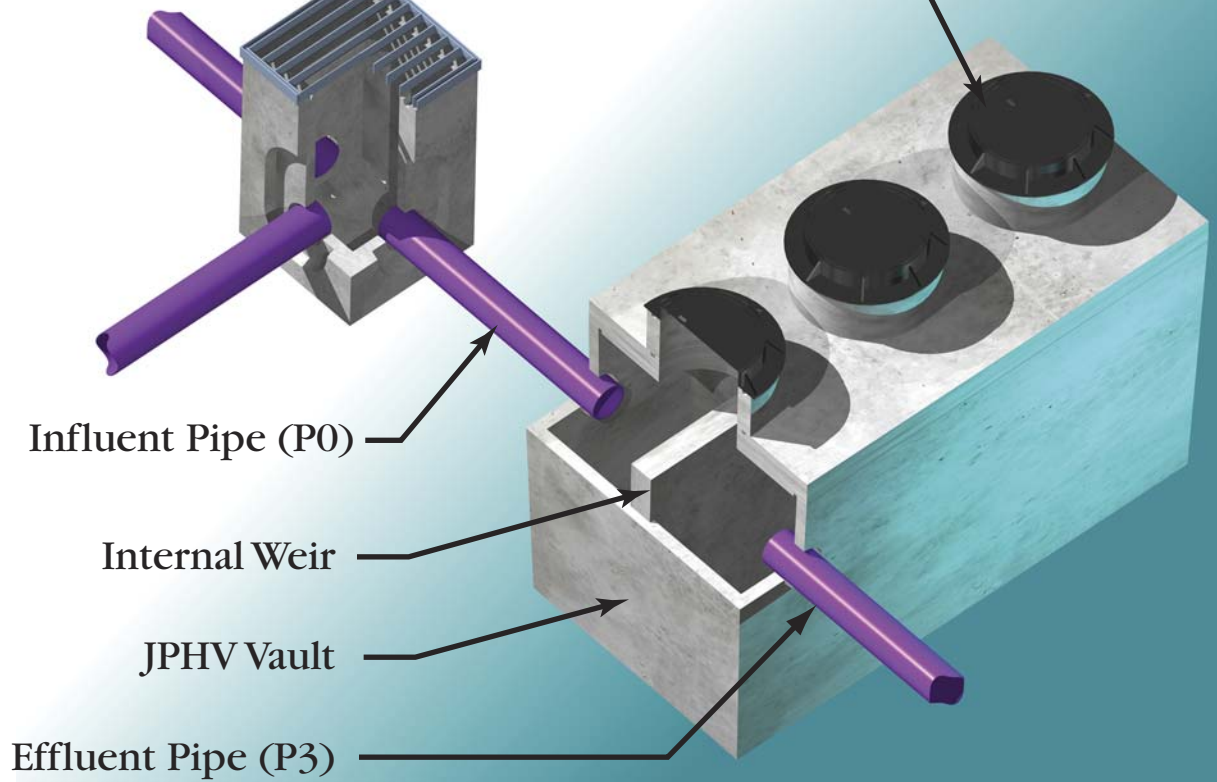


**JENSEN<sup>®</sup>**  
**PRECAST**

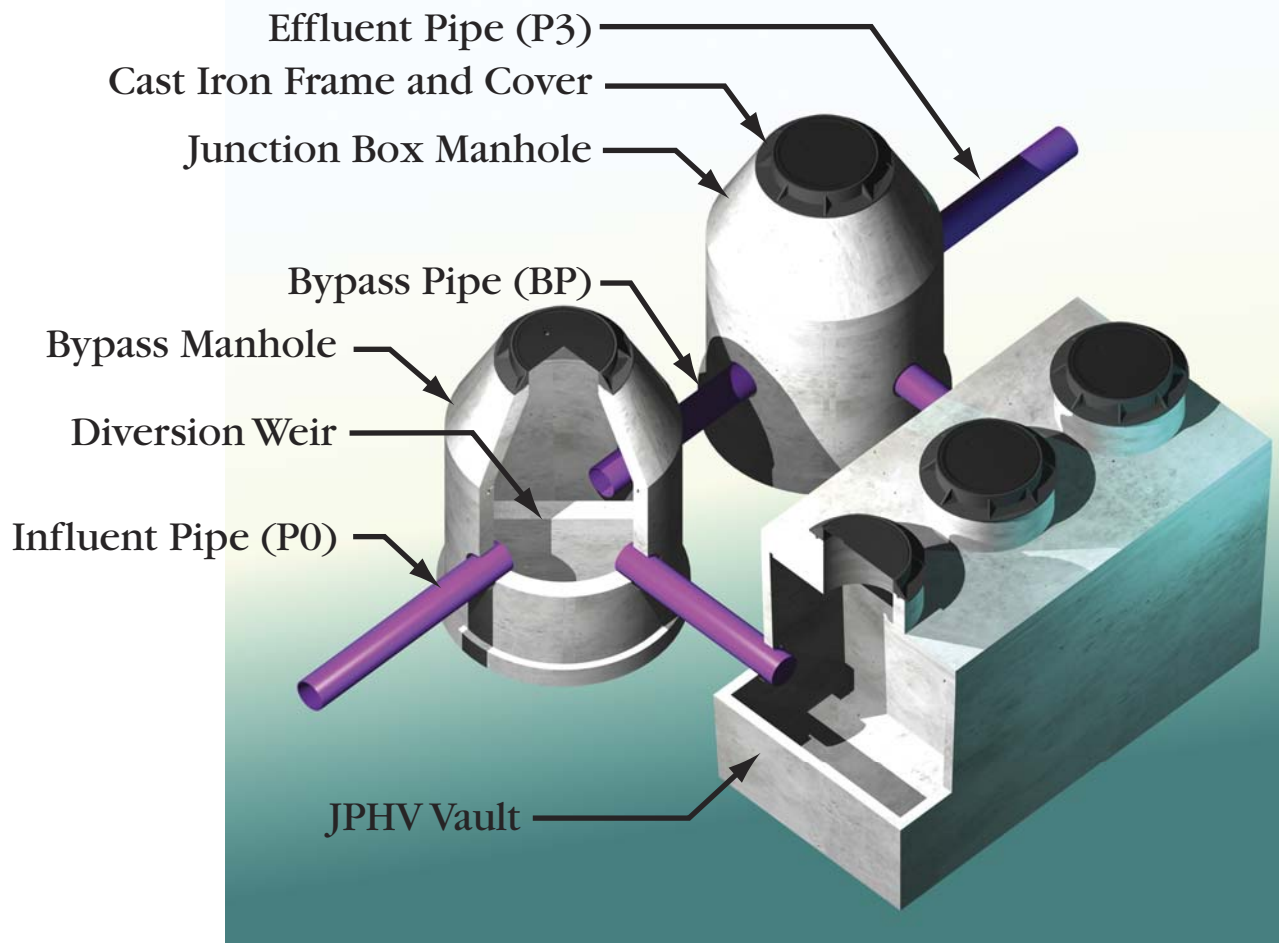
## ***Elements of the Internal Bypass System***

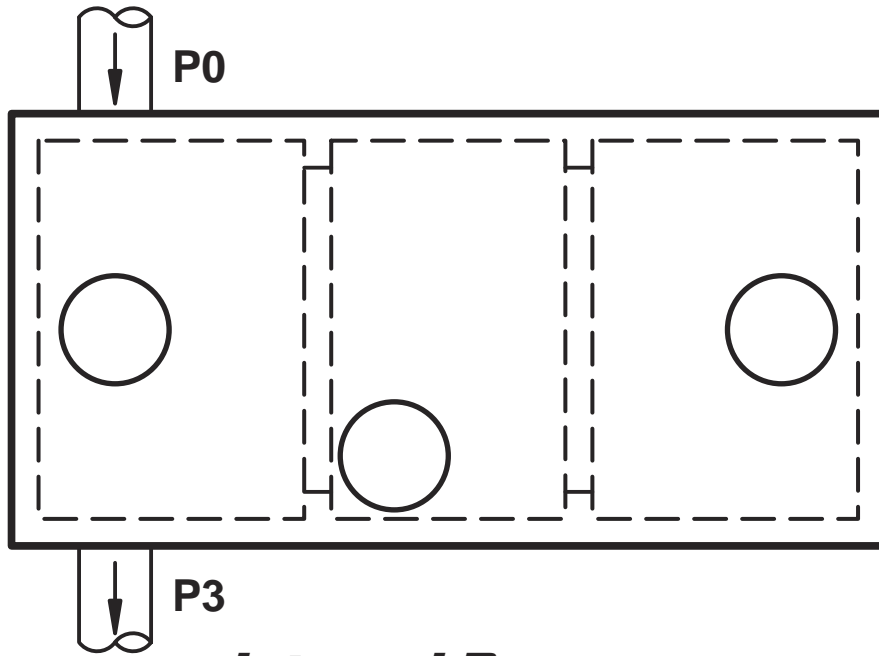
Collection Structures  
(drop inlets, curb inlets)

Cast Iron  
Frames and Covers

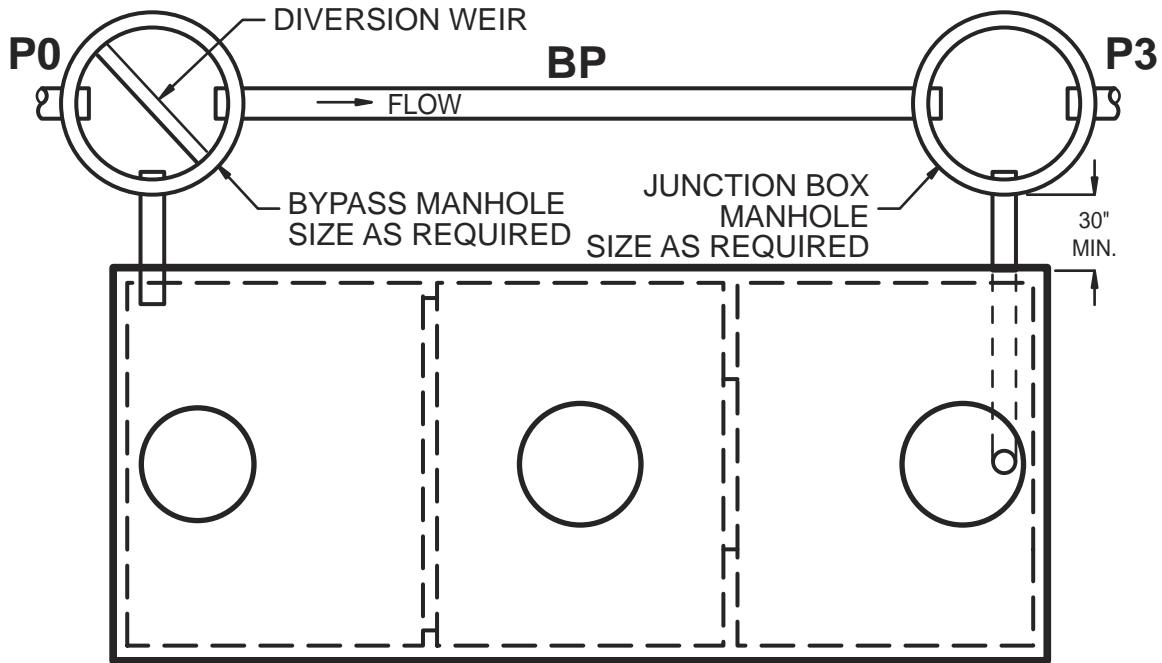


## ***Elements of the External Bypass System***





***Internal Bypass***



***External Bypass***

For complete design and product information, contact Jensen Precast or go to [www.jensenprecast.com](http://www.jensenprecast.com)



## **JPHV**

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Jensen Precast high velocity stormwater interceptors (JPHVs) have a solid history of innovative, cost effective stormwater pollution control. Jensen Precast continues to develop and refine stormwater products to improve urban water quality.

- ▶ JPHVs are *custom designed* to capture and retain trash, grease and oil, sand and grit, and TSS found on streets and parking lots.
- ▶ JPHVs are advanced stand alone systems for cost effective stormwater pollution mitigation.
- ▶ JPHVs are a superior choice for pretreatment upstream of infiltration or bioretention BMPs.

### ***Custom Site-Specific Systems***

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- ▶ JPHVs are designed utilizing the customer's hydrologic and site specifications.
- ▶ JPHVs divert the design *Treatment Flow* into the containment chamber where the pollutants are separated and retained.
- ▶ JPHVs allow the design *Peak Flow* to bypass the containment chamber, eliminating scour and resuspension of captured pollutants.
- ▶ JPHV supporting documents are supplied for tentative map submittals.

### ***Designed to Reduce Maintenance Costs***

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- ▶ Rubberizer® Oil-sorbant mats installed in the JPHV absorb 5 times their weight in grease and oils, reducing replacement frequency.
- ▶ Common petroleum products adsorbed and solidified by the Rubberizer® mats can be land-filled or incinerated.
- ▶ Sediment storage capacity is designed for an average annual volume removal.

JPHV sizing and design is determined by site-specific geography, geology, hydrology, materials, elevations, and jurisdictional requirements. The model recommendations provided to the customer are based on customer supplied data and information.

**For complete design and product  
information, contact Jensen Precast or go to  
[www.jensenprecast.com](http://www.jensenprecast.com)**

DATE:	_____
PROJECT NAME:	_____
CITY AND STATE:	_____
DRAINAGE AREA:	_____
TREATMENT Q:	_____
PEAK RUNOFF Q:	_____
RATIONAL (C):	_____
FINISH GRADE EL.:	_____
P0 PIPE SIZE AND TYPE:	_____
P0 PIPE ELEVATION:	_____
P0 PIPE SLOPE:	_____
P3 PIPE SIZE AND TYPE:	_____
P3 PIPE ELEVATION:	_____
P3 PIPE SLOPE:	_____
WATER TABLE EL:	_____

## PLEASE PROVIDE COMPLETE INFORMATION FOR JPHV CUSTOM SIZING AND DESIGN

- ▶ **PEAK RUNOFF Q**- The site design storm surface runoff used to determine influent and effluent pipe sizes.
- ▶ **TREATMENT Q**- That portion of the Peak Runoff Q that will be captured and detained for pollutant removal, often based on the regional First Flush rainfall intensity, but can be calculated for any jurisdiction's standards.
- ▶ **FINISHED GRADE ELEVATION**- A minimum of one foot of cover is required for standard vaults. Maximum soil covers range from 4 to 6 feet for standard vaults.
- ▶ **WATER TABLE ELEVATION**- Ground water is assumed to be below the bottom of the vault for standard vaults.
- ▶ **SITE PLAN SHEET IS REQUIRED FOR DESIGN**

**PLEASE EMAIL TO: [stormwater@jensenprecast.com](mailto:stormwater@jensenprecast.com)  
OR FAX TO: 775-352-6364**

**For complete design and product information, contact Jensen Precast or go to [www.jensenprecast.com](http://www.jensenprecast.com)**

**Northern Nevada**

625 Bergin Way  
Sparks, NV  
89431  
(775) 359-6200  
(800) 648-1134

**Southern Nevada**

3853 Losee Road  
North Las Vegas, NV  
89030  
(702) 649-0045

**Northern California**

5400 Raley Blvd.  
Sacramento, CA  
95838  
(916) 991-8800  
(800) 843-9569

7210 Highway 32  
Orland, CA  
95963  
(800) 709-3000

299 Beck Ave.  
Fairfield, CA  
94533  
(707) 429-5500

**Southern California**

14221 San Bernardino Ave.  
Fontana, CA  
92335  
(909) 350-4111  
(800) 257-6100

**Arizona**

1441 North VIP Blvd.  
Casa Grande, AZ  
85222  
(520) 316-0373

4801 E. Wyoming St.  
Tucson, AZ  
85706  
(520) 748-1607

**Hawaii**

1255 Nuuanu Ave.  
Suite C-104D  
Honolulu, HI  
96817  
(808) 528-1175



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