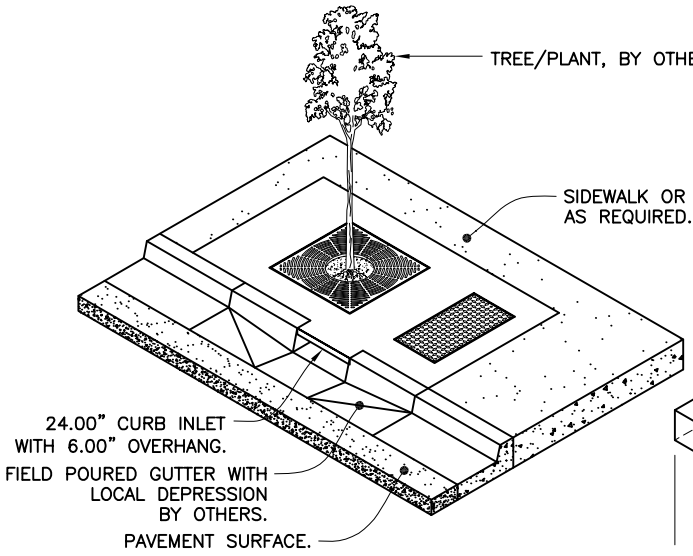
APPENDIX B

BIOPOD DRAWINGS:

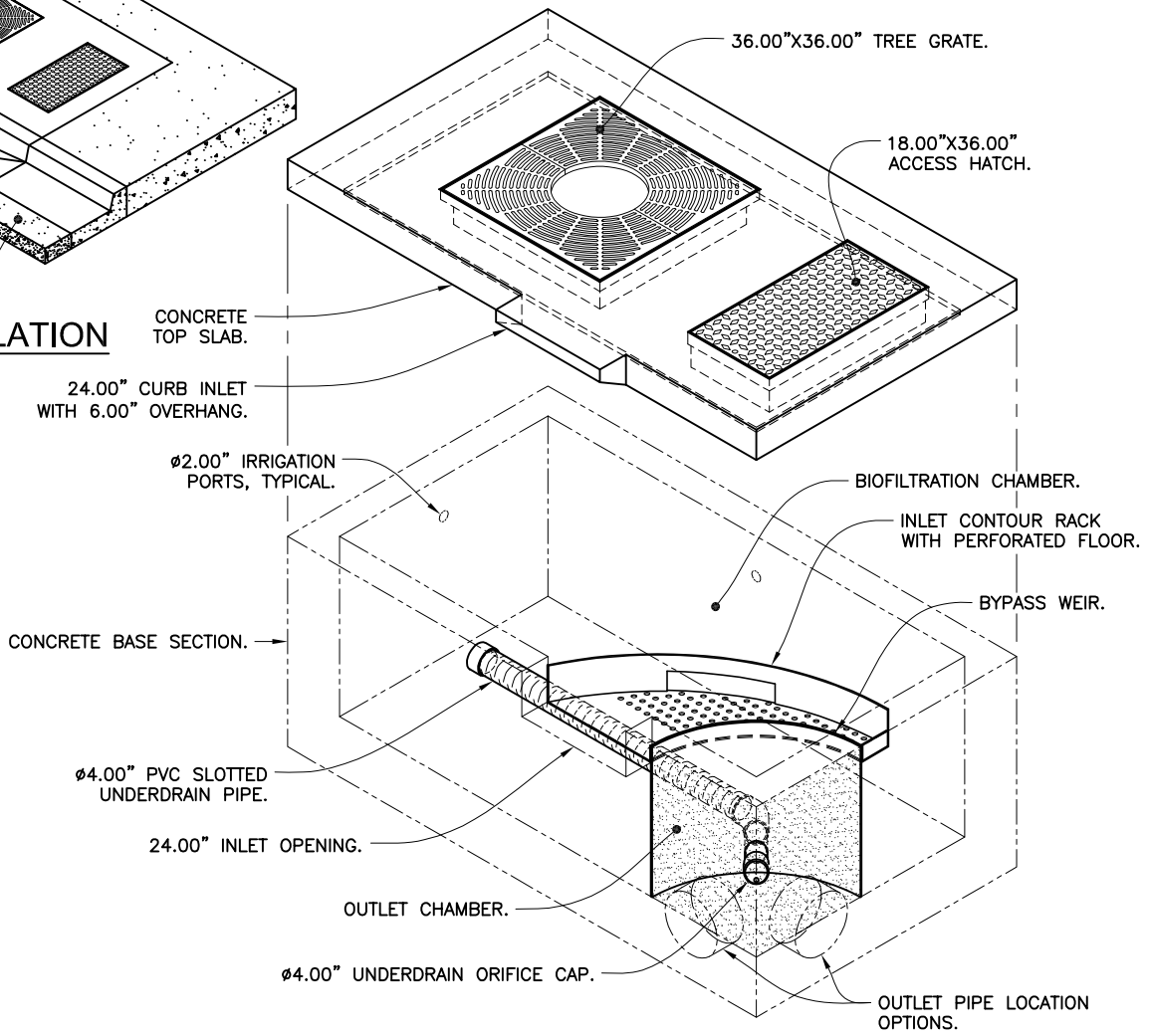
- BIOPOD TREE
- BIOPOD PLANTER
- BIOPOD SURFACE
- BIOPOD UNDERGROUND

This page intentionally left blank for printing



TYPICAL INSTALLATION

SCALE: 1/2



ISOMETRIC VIEW

FILTER MEDIA & DRAIN ROCK NOT SHOWN FOR CLARITY.

NOTES:

1. RIGHT CONFIGURATION SHOWN, MIRROR LEFT CONFIGURATION OF INLET RACK AND BYPASS WEIR IS AVAILABLE TO ACCOMMODATE OTHER OUTLET PIPE LOCATIONS.
2. STANDARD UNITS CAN ACCOMMODATE UP TO A 15 INCH DIAMETER RCP OUTLET PIPE.
3. SEPARATE BYPASS STRUCTURE IS REQUIRED IF PEAK FLOW RATE EXCEEDS 2.0 CFS INTERNAL BYPASS CAPACITY.
4. 18"X36" DIAMOND PLATE ACCESS HATCH STANDARD, SLIP RESISTANT OPTION AVAILABLE.
5. CONTACT OLDCASTLE® INFRASTRUCTURE FOR ENGINEERING ASSISTANCE AND DETAIL DRAWINGS.
6. CONCRETE COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C890 & C913.
7. VEGETATION BY OTHERS. CUSTOMER TO SPECIFY. INSTALLED AT TIME OF ACTIVATION. THE OWNER IS RESPONSIBLE FOR THE SURVIVAL OF THE VEGETATION AND MUST IRRIGATE AS NECESSARY.

US Patents Pending

Bioretention/ Biofiltration

BioPod™ Biofilter Tree

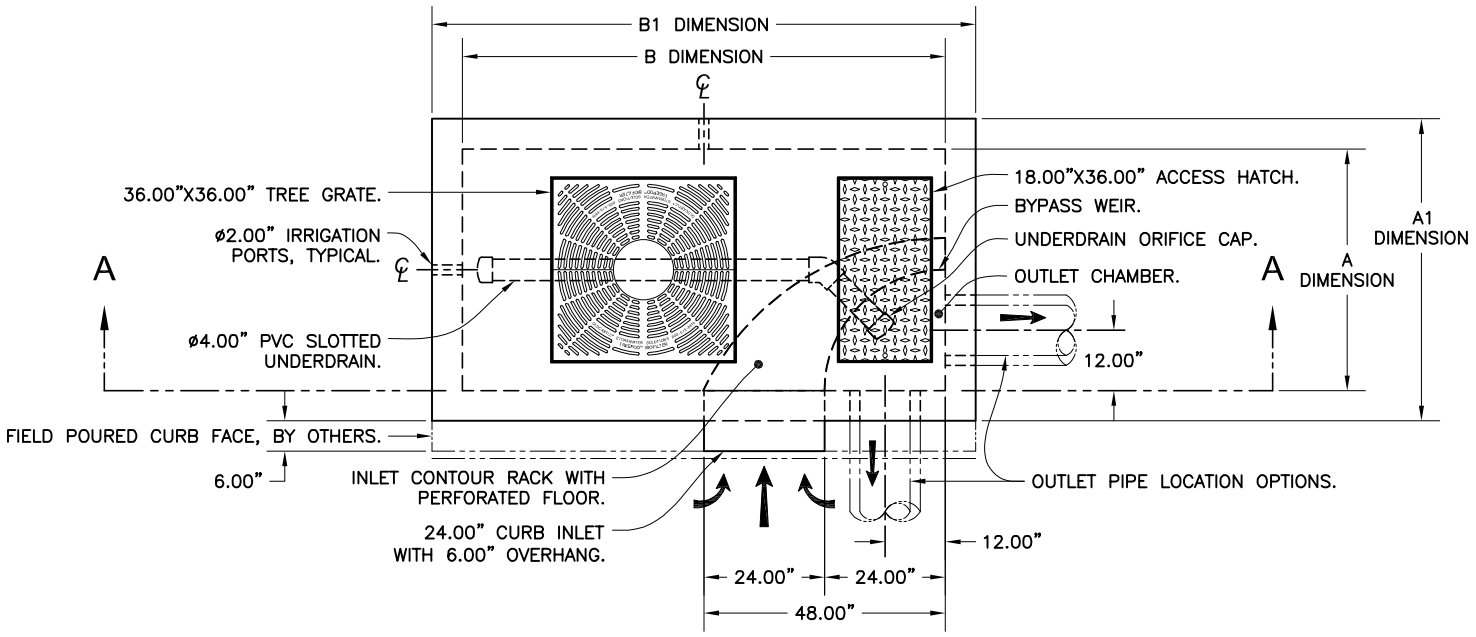
Side Inlet & Internal Bypass

Oldcastle® INFRASTRUCTURE

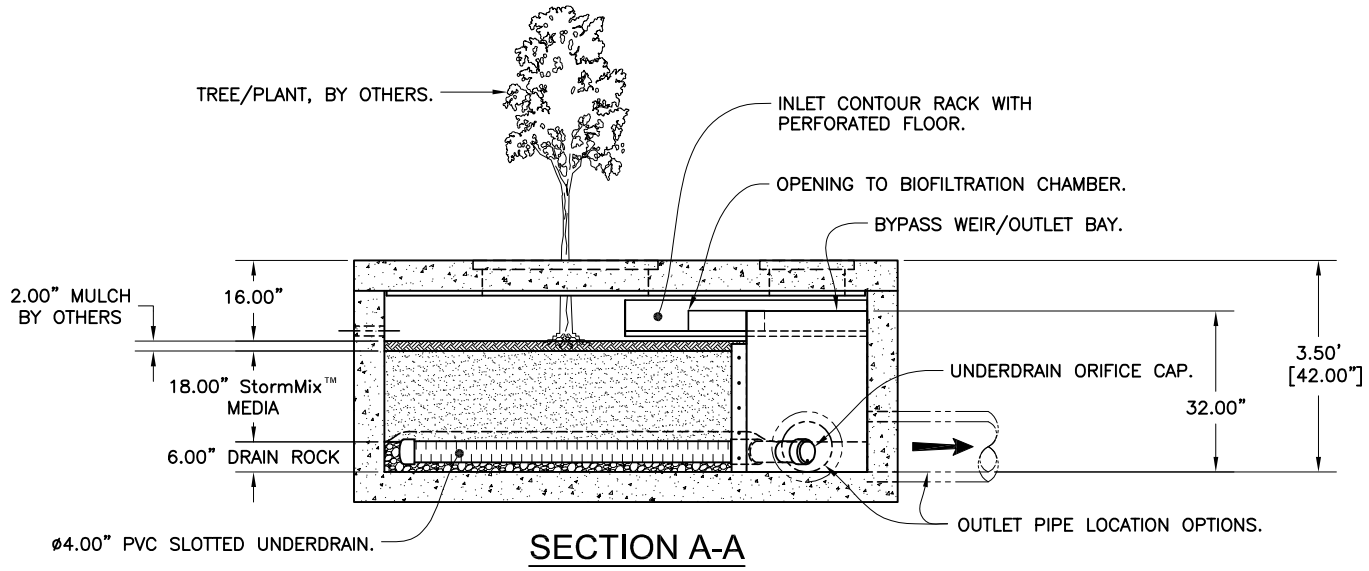
Ph: 800.579.8819 | oldcastlestormwater.com

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE, INC. IT IS SUBMITTED FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF SAID COMPANY. COPYRIGHT © 2018 OLDCASTLE INFRASTRUCTURE, INC. ALL RIGHTS RESERVED.

DRAWING NO.	REV	ECO	DATE	
BPT-IB-SI	NR	ECO-0149 NEW	JPR 6/12/18	SHEET 1 OF 2



PLAN VIEW



SECTION A-A

MODEL	VAULT SIZE [1] (ID)		VAULT FOOTPRINT [1] (OD)		TREATMENT FLOW CAPACITY [2] (GPM/CFS)	TREATMENT FLOW CAPACITY [3] (GPM/CFS)
	A DIM	B DIM	A1 DIM	B1 DIM		
BPT-46IB-SI	4'	6'	5'	7'	33.4 / 0.074	37.5 / 0.084
BPT-48IB-SI	4.5'	8.5'	5.5'	9.5'	56.2 / 0.125	63.2 / 0.141
BPT-412IB-SI	4'	12'	5'	13'	71.8 / 0.160	80.7 / 0.180
BPT-66IB-SI	6'	6'	7'	7'	52.6 / 0.117	59.1 / 0.132
BPT-68IB-SI	6'	8'	7'	9'	71.8 / 0.160	80.7 / 0.180
BPT-612IB-SI	6'	12'	7'	13'	110.2 / 0.245	123.9 / 0.276
BPT-816IB-SI	8'	16'	9'	17'	199.8 / 0.445	224.7 / 0.501

[1] All Dimensions Are Nominal
[2] Based on an WA Ecology GULD Approval for Basic, Enhanced & Phosphorus. At 1.60 gpm/sf Media Surface Area.
[3] Based on an NJCAT Verification & NJ DEP Certification. At 1.80 gpm/sf Media Surface Area.

US Patents Pending

Bioretention/ Biofiltration

BioPod™ Biofilter Tree

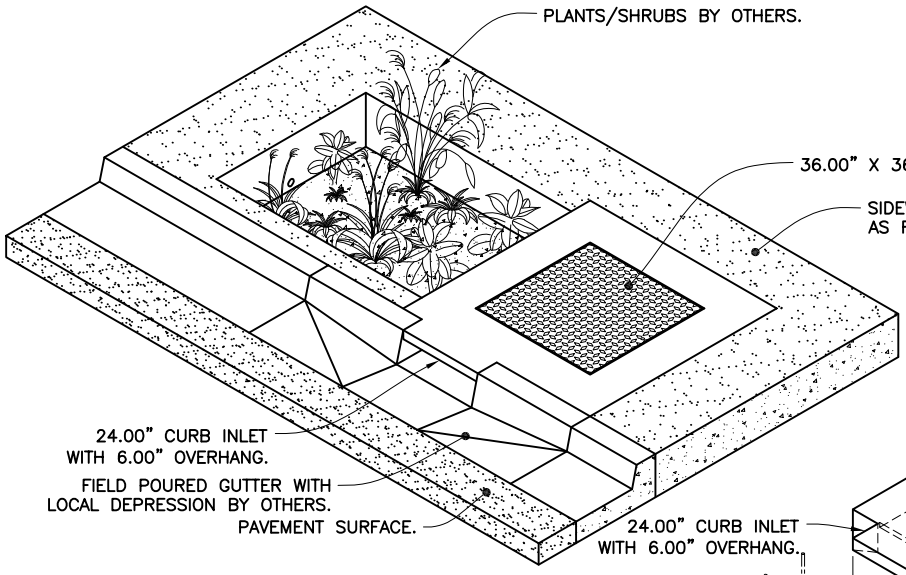
Side Inlet & Internal Bypass

Oldcastle® INFRASTRUCTURE

Ph: 800.579.8819 | oldcastlestormwater.com

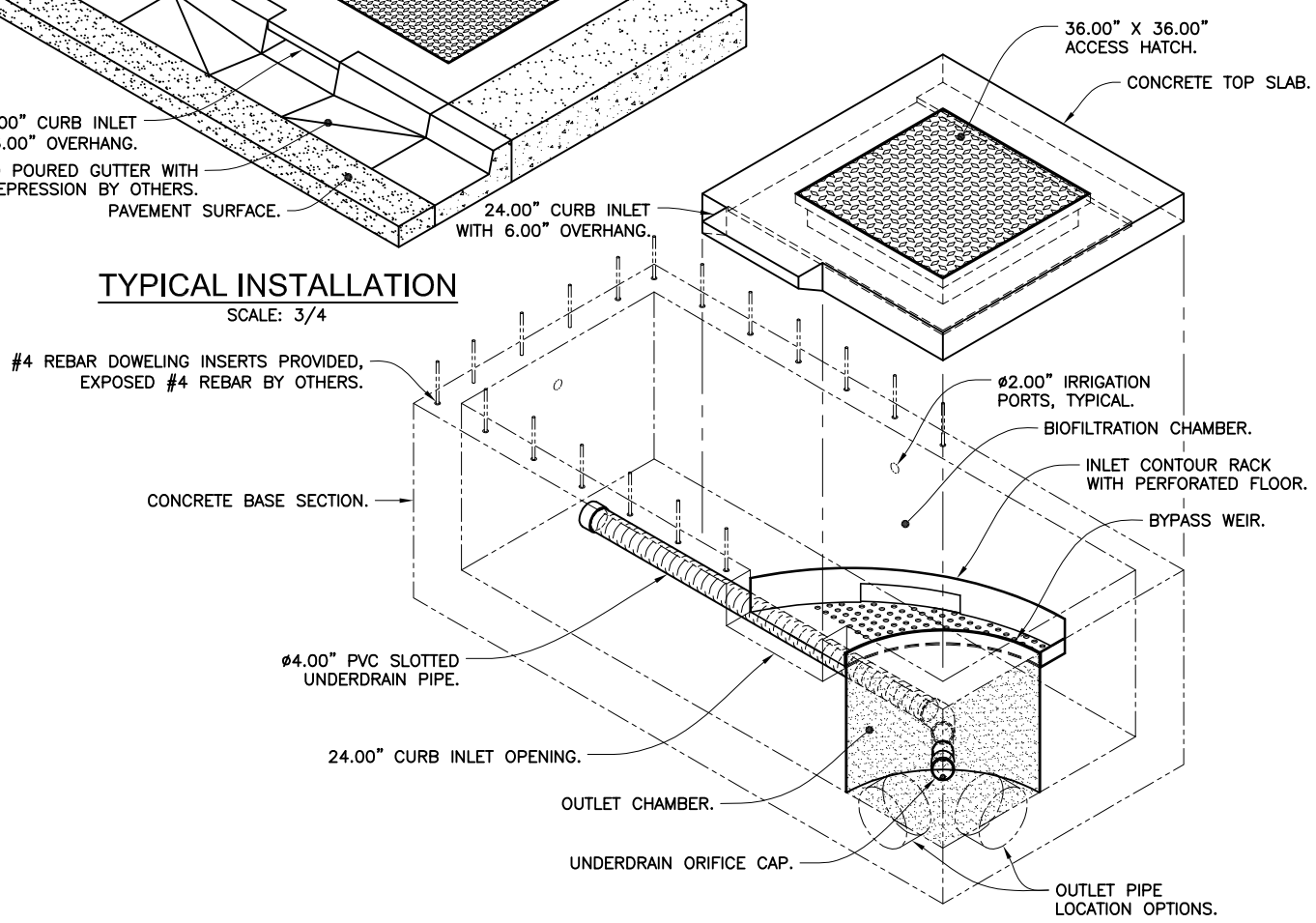
THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE, INC. IT IS SUBMITTED FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF SAID COMPANY. COPYRIGHT © 2018 OLDCASTLE INFRASTRUCTURE, INC. ALL RIGHTS RESERVED.

DRAWING NO.	REV	ECO	DATE	
BPT-IB-SI	NR	ECO-0149 NEW	JPR 6/12/18	SHEET 2 OF 2



TYPICAL INSTALLATION

SCALE: 3/4



ISOMETRIC VIEW

FILTER MEDIA & DRAIN ROCK NOT SHOWN FOR CLARITY.

NOTES:

1. RIGHT CONFIGURATION SHOWN, MIRROR LEFT CONFIGURATION OF INLET RACK AND BYPASS WEIR IS AVAILABLE TO ACCOMMODATE OTHER OUTLET PIPE LOCATIONS.
2. STANDARD UNITS CAN ACCOMMODATE UP TO A 15 INCH DIAMETER RCP OUTLET PIPE.
3. SEPARATE BYPASS STRUCTURE IS REQUIRED IF PEAK FLOW RATE EXCEEDS 2.0 CFS INTERNAL BYPASS CAPACITY.
4. 36"X36" DIAMOND PLATE ACCESS HATCH STANDARD, SLIP RESISTANT OPTION AVAILABLE.
5. CONTACT OLDCASTLE® INFRASTRUCTURE FOR ENGINEERING ASSISTANCE AND DETAIL DRAWINGS.
6. CONCRETE COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C890 & C913.
7. VEGETATION BY OTHERS. CUSTOMER TO SPECIFY. INSTALLED AT TIME OF ACTIVATION. THE OWNER IS RESPONSIBLE FOR THE SURVIVAL OF THE VEGETATION AND MUST IRRIGATE AS NECESSARY.

US Patents Pending

Bioretention/ Biofiltration

BioPod™ Biofilter Planter

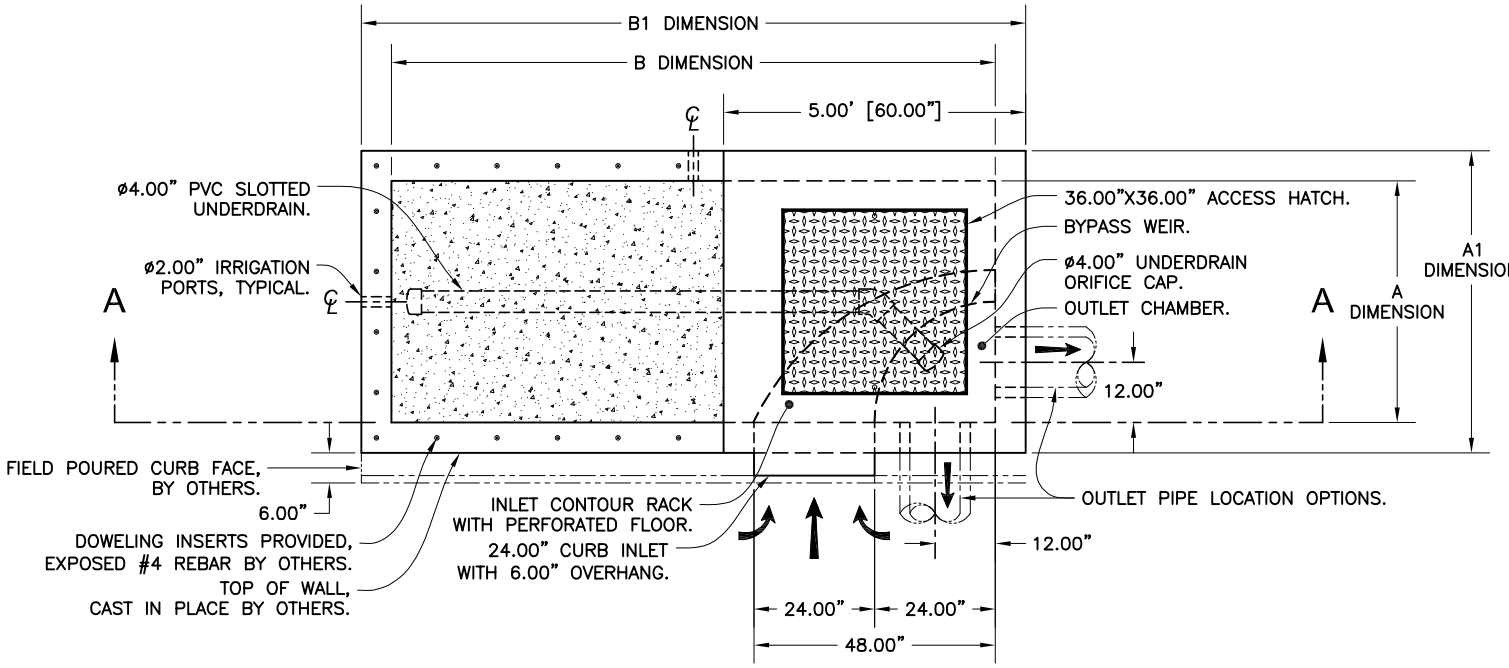
Side Inlet & Internal Bypass

Oldcastle® INFRASTRUCTURE

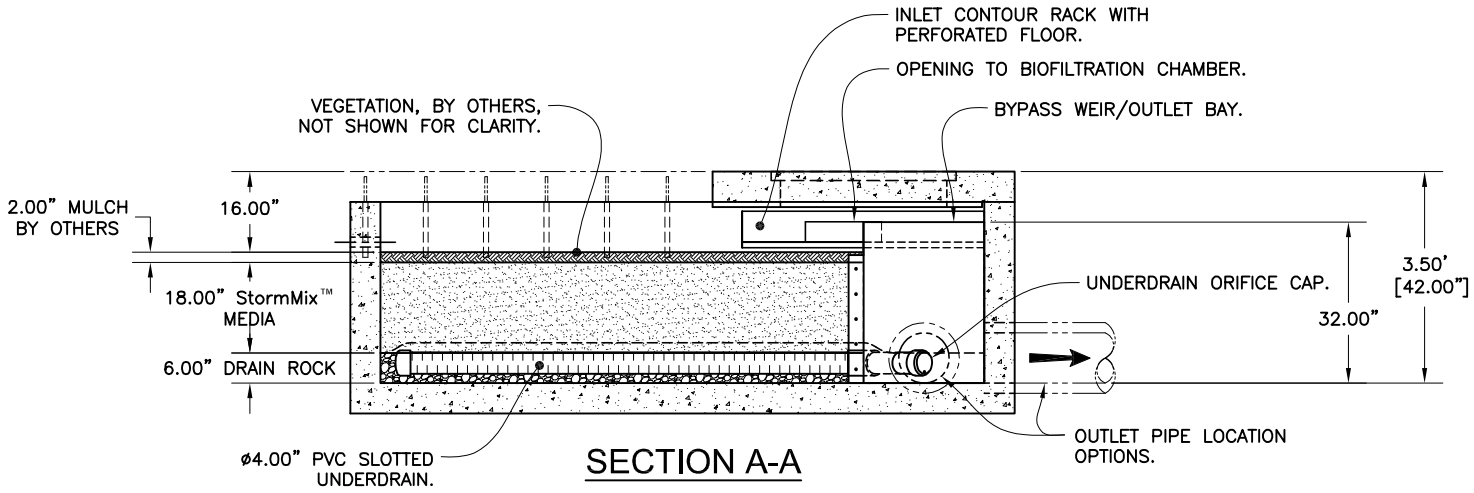
Ph: 800.579.8819 | oldcastlestormwater.com

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE, INC. IT IS SUBMITTED FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF SAID COMPANY. COPYRIGHT © 2018 OLDCASTLE INFRASTRUCTURE, INC. ALL RIGHTS RESERVED.

DRAWING NO.	REV	ECO	DATE	
BPP-IB-SI	NR	ECO–0149 NEW	JPR 6/12/18	SHEET 1 OF 2



PLAN VIEW



SECTION A-A

BioPod MODEL	VAULT SIZE [1] (ID)		VAULT FOOTPRINT [1] (OD)		TREATMENT FLOW CAPACITY [2] (GPM/CFS)	TREATMENT FLOW CAPACITY [3] (GPM/CFS)
	A DIM	B DIM	A1 DIM	B1 DIM		
BPP-48IB-SI	4.5'	8.5'	5.5'	9.5'	56.2 / 0.125	63.2 / 0.141
BPP-412IB-SI	4'	12'	5'	13'	71.8 / 0.160	80.7 / 0.180
BPP-416IB-SI	4'	16'	5'	17"	97.4 / 0.217	109.0 / 0.244
BPP-420IB-SI	4'	20'	5'	21'	123.0 / 0.274	138.3 / 0.308
BPP-66IB-SI	6'	6'	7'	7'	52.6 / 0.117	59.1 / 0.132
BPP-68IB-SI	6'	8'	7'	9'	71.8 / 0.160	80.7 / 0.180
BPP-612IB-SI	6'	12'	7'	13'	110.2 / 0.245	123.9 / 0.276
BPT-816IB-SI	8'	16'	9'	17'	199.8 / 0.445	224.7 / 0.501

[1] All Dimensions Are Nominal
[2] Based on an WA Ecology GULD Approval for Basic, Enhanced & Phosphorus. At 1.60 gpm/sf Media Surface Area.
[3] Based on an NJCAT Verification & NJ DEP Certification. At 1.80 gpm/sf Media Surface Area.

US Patents Pending

Bioretention/ Biofiltration

BioPod™ Biofilter Planter

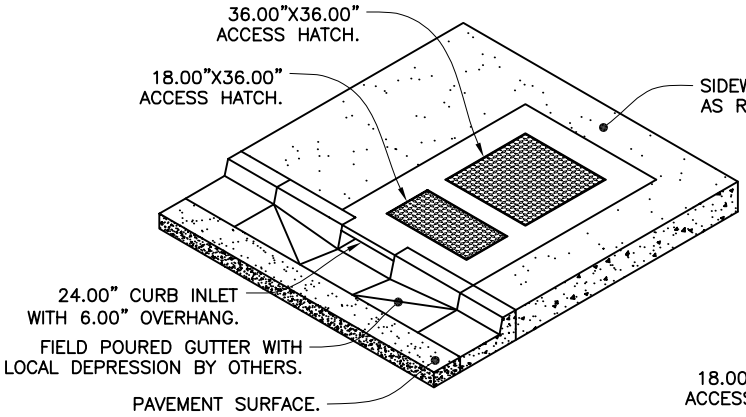
Side Inlet & Internal Bypass

Oldcastle® INFRASTRUCTURE

Ph: 800.579.8819 | oldcastlestormwater.com

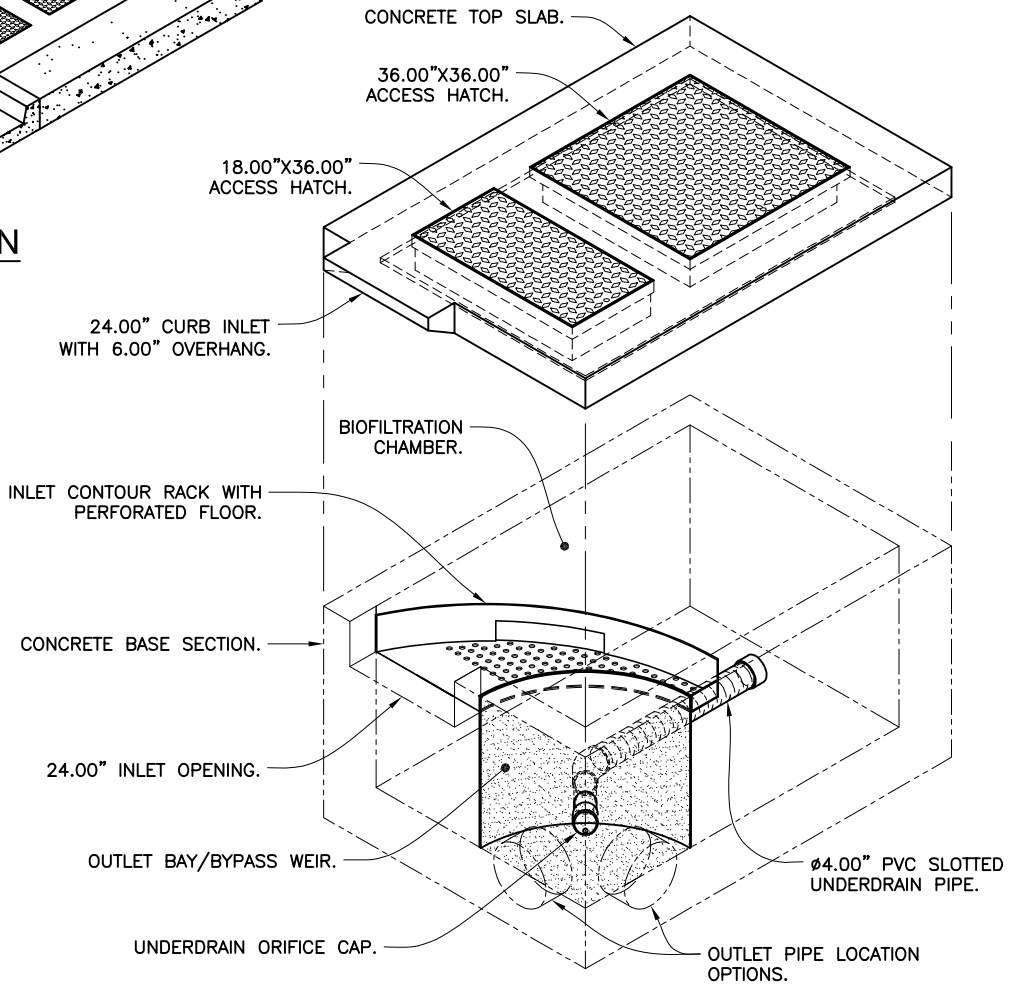
THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE, INC. IT IS SUBMITTED FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF SAID COMPANY. COPYRIGHT © 2018 OLDCASTLE INFRASTRUCTURE, INC. ALL RIGHTS RESERVED.

DRAWING NO.	REV	ECO	DATE	
BPP-IB-SI	NR	ECO–0149 NEW	JPR 6/12/18	SHEET 2 OF 2



TYPICAL INSTALLATION

SCALE: 1/2



ISOMETRIC VIEW

FILTER MEDIA & DRAIN ROCK NOT SHOWN FOR CLARITY.

NOTES:

1. RIGHT CONFIGURATION SHOWN, MIRROR LEFT CONFIGURATION OF INLET RACK AND BYPASS WEIR IS AVAILABLE TO ACCOMMODATE OTHER OUTLET PIPE LOCATIONS.
2. STANDARD UNITS CAN ACCOMMODATE UP TO A 15 INCH DIAMETER RCP OUTLET PIPE.
3. SEPARATE BYPASS STRUCTURE IS REQUIRED IF PEAK FLOW RATE EXCEEDS 2.0 CFS INTERNAL BYPASS CAPACITY.
4. DIAMOND PLATE ACCESS HATCH STANDARD, SLIP RESISTANT OPTION AVAILABLE.
5. CONTACT OLDCASTLE® INFRASTRUCTURE FOR ENGINEERING ASSISTANCE AND DETAIL DRAWINGS.
6. CONCRETE COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C890 & C913.

US Patents Pending

Bioretention/
Biofiltration

BioPod™ Biofilter Surface

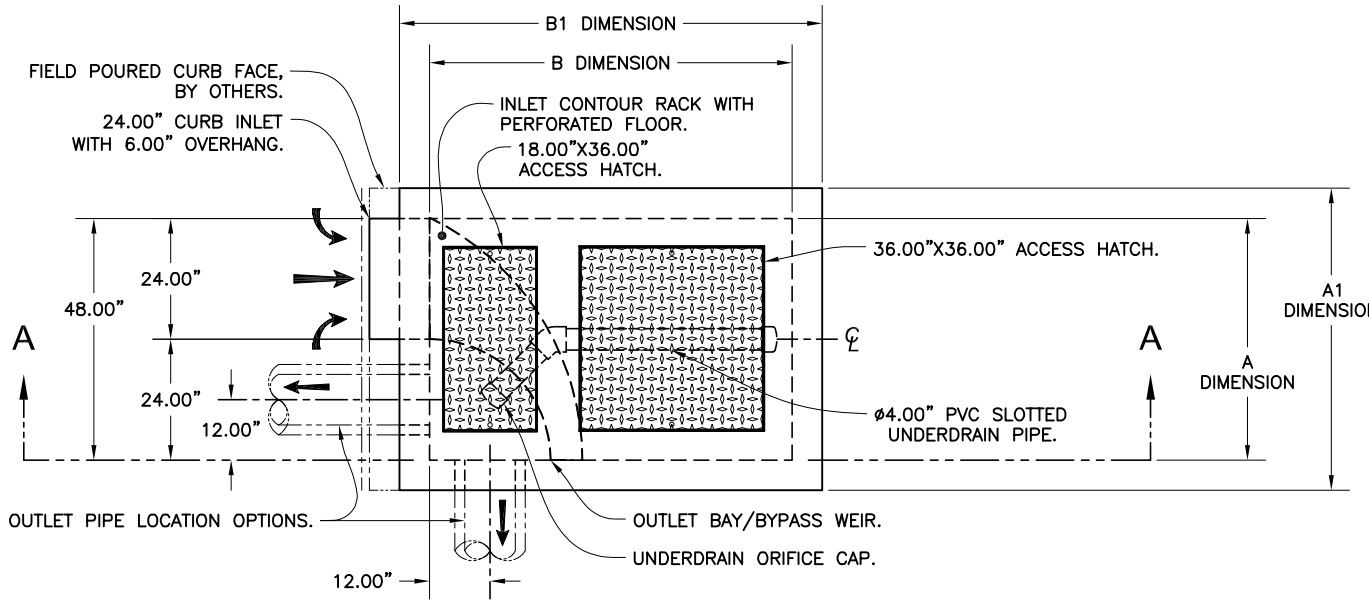
End Inlet & Internal Bypass

Oldcastle® INFRASTRUCTURE

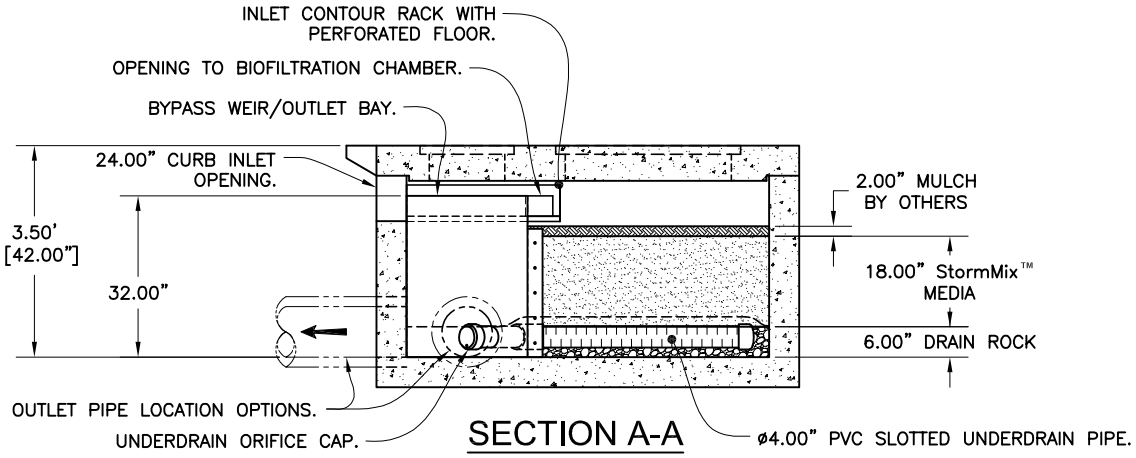
Ph: 800.579.8819 | oldcastlestormwater.com

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE, INC. IT IS SUBMITTED FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF SAID COMPANY. COPYRIGHT © 2018 OLDCASTLE INFRASTRUCTURE, INC. ALL RIGHTS RESERVED.

DRAWING NO.	REV	ECO	DATE	
BPS-IB-EI	NR	ECO-0149 NEW	JPR 6/12/18	SHEET 1 OF 2



PLAN VIEW



SECTION A-A

MODEL	POD SIZE (ID)		FOOTPRINT (OD)		TREATMENT FLOW CAPACITY [2] (GPM/CFS)	TREATMENT FLOW CAPACITY [3] (GPM/CFS)
	A DIM	B DIM	A1 DIM	B1 DIM		
BPS-46IB-EI	4'	6'	5'	7'	33.4 / 0.074	37.5 / 0.084
BPS-48IB-EI	4.5'	8.5'	5.5'	9.5'	56.2 / 0.125	63.2 / 0.141
BPS-412IB-EI	4'	12'	5'	13'	71.8 / 0.160	80.7 / 0.180
BPS-66IB-EI	6'	6'	7'	7'	52.6 / 0.117	59.1 / 0.132
BPS-68IB-EI	6'	8'	7'	9'	71.8 / 0.160	80.7 / 0.180
BPS-612IB-EI	6'	12'	7'	13'	110.2 / 0.245	123.9 / 0.276
BPS-816IB-EI	8'	16'	9'	17'	199.8 / 0.445	224.7 / 0.501

[1] All Dimensions Are Nominal
[2] Based on an WA Ecology GULD Approval for Basic, Enhanced & Phosphorus. At 1.60 gpm/sf Media Surface Area.
[3] Based on an NJCAT Verification & NJ DEP Certification. At 1.80 gpm/sf Media Surface Area.

US Patents Pending

Bioretention/ Biofiltration

BioPod™ Biofilter Surface

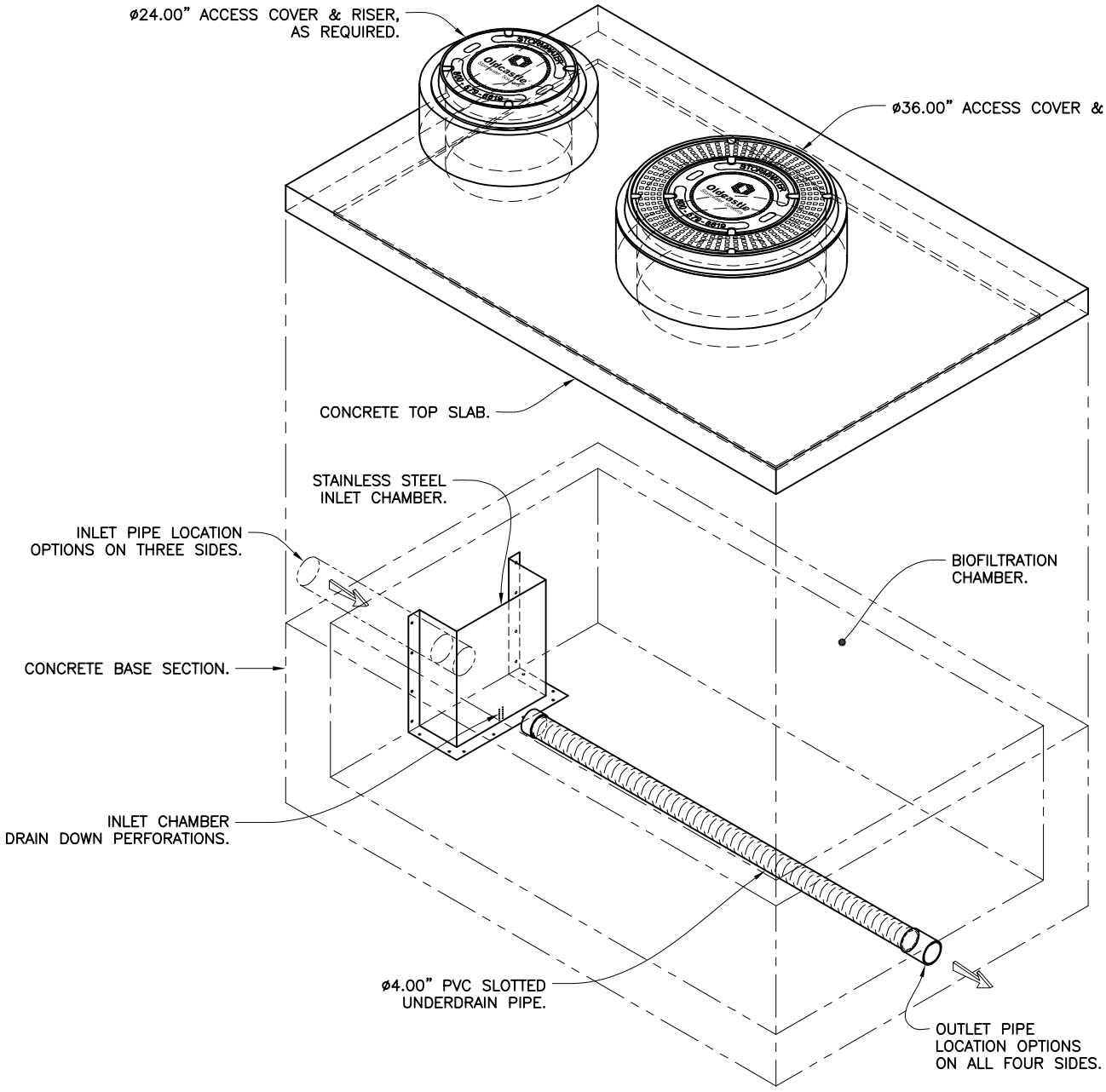
End Inlet & Internal Bypass

Oldcastle® INFRASTRUCTURE

Ph: 800.579.8819 | oldcastlestormwater.com

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE, INC. IT IS SUBMITTED FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF SAID COMPANY. COPYRIGHT © 2018 OLDCASTLE INFRASTRUCTURE, INC. ALL RIGHTS RESERVED.

DRAWING NO.	REV	ECO	DATE	
BPS-IB-EI	NR	ECO-0149 NEW	JPR 6/12/18	SHEET 2 OF 2



ISOMETRIC VIEW

FILTER MEDIA & DRAIN ROCK NOT SHOWN FOR CLARITY.
SCALE: 1X

NOTES:

1. SEPARATE BYPASS STRUCTURE IS REQUIRED IF PEAK FLOW RATE EXCEEDS TREATMENT CAPACITY.
2. CONTACT OLDCASTLE STORMWATER FOR ENGINEERING ASSISTANCE AND DETAIL DRAWINGS.
3. CONCRETE COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C890 & C913.

US Patents Pending

Bioretention/ Biofiltration

BioPod™ Biofilter Underground

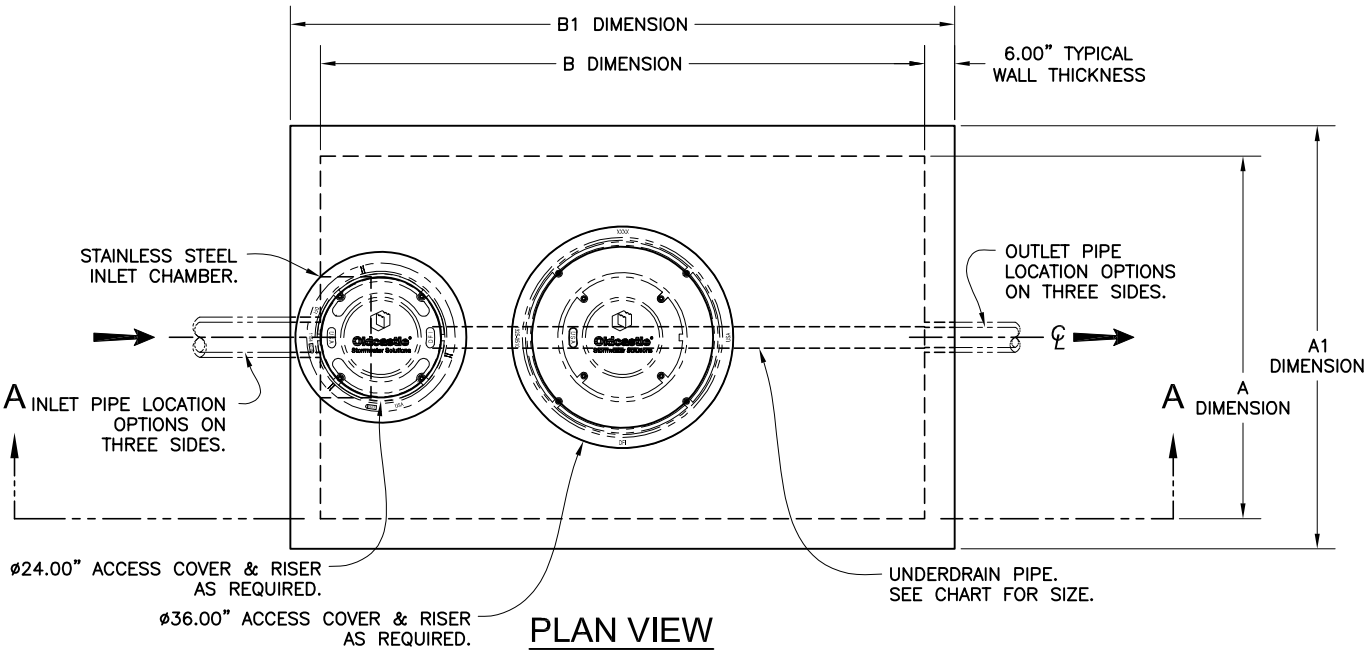
Vault with External Bypass

Oldcastle® INFRASTRUCTURE

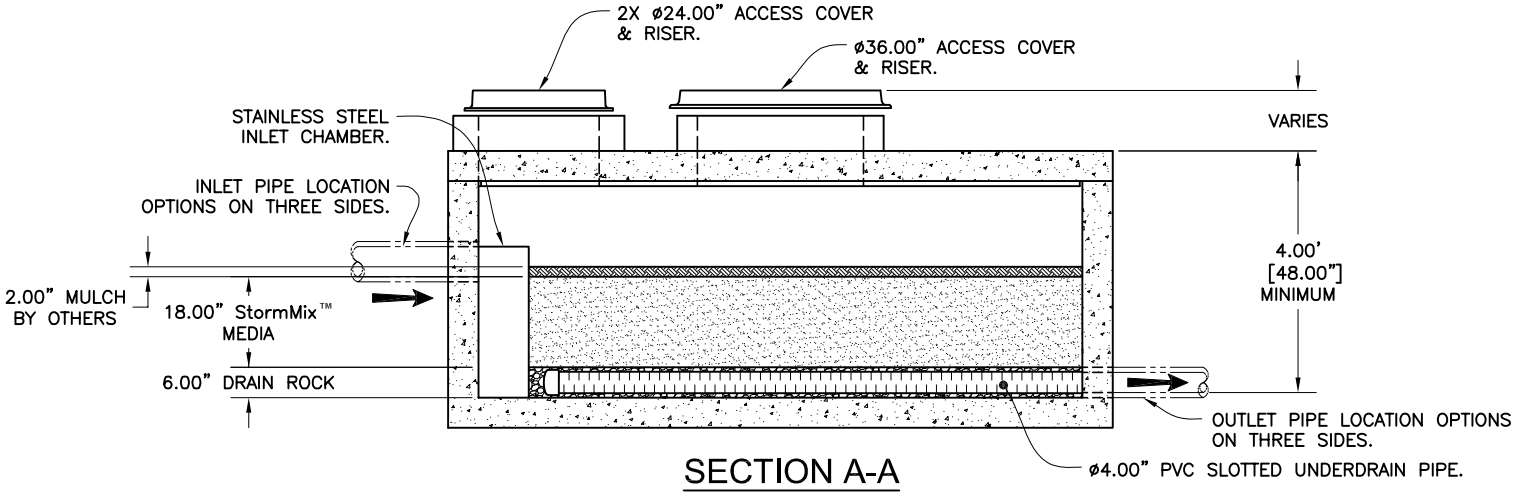
Ph: 800.579.8819 | oldcastlestormwater.com

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE, INC. IT IS SUBMITTED FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF SAID COMPANY. COPYRIGHT © 2018 OLDCASTLE INFRASTRUCTURE, INC. ALL RIGHTS RESERVED.

DRAWING NO.	REV	ECO	DATE	
BPU	NR	ECO–0149 NEW	JPR 6/12/18	SHEET 1 OF 2



PLAN VIEW



SECTION A-A

MODEL	POD SIZE (ID)		FOOTPRINT (OD)		TREATMENT FLOW CAPACITY [2] (GPM/CFS)	TREATMENT FLOW CAPACITY [3] (GPM/CFS)
	A DIM	B DIM	A1 DIM	B1 DIM		
BPU-44	4'	4'	5'	5'	25.6 / 0.057	28.8 / 0.064
BPU-46	4'	6'	5'	7'	38.4 / 0.860	43.2 / 0.096
BPU-48	4.5'	8.5'	5.5'	9.5'	61.2 / 0.136	68.9 / 0.153
BPU-412	4'	12'	5'	13'	76.8 / 0.171	86.4 / 0.193
BPU-66	6'	6'	7'	7'	57.6 / 0.128	64.8 / 0.144
BPU-68	6'	8'	7'	9'	76.8 / 0.171	86.4 / 0.193
BPU-612	6'	12'	7'	13'	115.2 / 0.257	129.6 / 0.289
BPU-816	8'	16'	9'	17'	204.8 / 0.456	230.4 / 0.513

[1] All Dimensions Are Nominal
[2] Based on an WA Ecology GULD Approval for Basic, Enhanced & Phosphorus. At 1.60 gpm/sf Media Surface Area.
[3] Based on an NJCAT Verification & NJ DEP Certification. At 1.80 gpm/sf Media Surface Area.

US Patents Pending

Bioretention/ Biofiltration

BioPod™ Biofilter Underground

Vault with External Bypass

Oldcastle® INFRASTRUCTURE

Ph: 800.579.8819 | oldcastlestormwater.com

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE, INC. IT IS SUBMITTED FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF SAID COMPANY. COPYRIGHT © 2018 OLDCASTLE INFRASTRUCTURE, INC. ALL RIGHTS RESERVED.

DRAWING NO.	REV	ECO	DATE	
BPU	NR	ECO–0149 NEW	JPR 6/12/18	SHEET 1 OF 2