



ENGINEERING NEWSLETTER

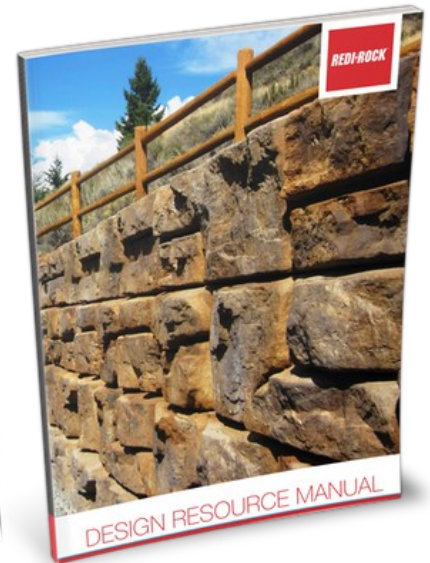
MARCH 2017
VOL. 1 ISSUE 3

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BOX CULVERT WITH TURNING SECTIONS



Project: 2014 - D262560 BC17x5 Double Skew Box Culvert
Project: D262560
Location: Rt. 950 A - South Valley, NY - Catt. County
Owner: / Engineer: NYSDOT
Contractor: CATCO
Manufacturer: Kistner Concrete Products Inc.
Lockport, NY - NPCA Certified Plant
Product Designation: Precast Concrete Custom Box Culvert
17'-0" Span x 5'-0" Rise Precast Concrete Box Culvert
15 Segments - 4R Skew - 4L Skew, 5 Std. Sec. & 2 - Sloped Ends.
Supplied Precast Toe Walls & Precast Headwalls.

Precast Concrete: Flexible, Fast & Economical. Get the Precast Advantage!!!!

CALL KISTNER TO REVIEW ALL YOUR BOX CULVERT PROJECTS. SPECIFIC ISSUES—KISTNER'S ENGINEERING TEAM WILL WORK OUT THE BEST SOLUTION FOR YOUR CLIENT.

ARCH BRIDGE WITH MODULAR BLOCK WING WALLS

Arch Bridge with Modular Block Wing Walls,
Per NYSDOT 554 Specification:

Project: Youngstown-Wilson Rd. Bridge

Location: Youngstown, NY

Owner: Niagara Co. DPW

Engineer: C & S Engineers & Niagara Co. DPW

Contractor: Mark Cerrone, Niagara Falls, NY

Unique features / Special Details: 58' = 11 Sections of 28'-0" Span 22 Tons Arched Culvert sections, per AASHTO HL-93 Loading. Detached Precast headwalls.



One set of Precast anchor style flat Wing walls & one

set of Segmental Precast Big Block **NYSDOT Sec. 554-01 Approved** wall system to accommodate & eliminating the delay of construction for wire relocation & allowing install under low overhead wires.

Arch Bridge Structures are available from 12' 0" Span up to 60'0"+. Call our Engineering Team with your product specific issues.
NOTE: KISTNER CONCRETE PRODUCTS MANUFACTURED THE FIRST ARCH BRIDGE IN 1984.

Precast Standard & Stock "Pipe End Sections" for Pipe up to 48" OD.

	PRODUCT DESIGNATION	DWG. NO.
	C.M.P. — P.V.C. — R.C.P. — H.D.P.E. PRECAST CONCRETE PIPE END SECTION	MH-PES 3/2/05

SPECIFICATIONS:
 CONCRETE: 4,000 P.S.I. @ 28 DAYS
 REINFORCED AIR
 STEEL: A.S.T.M. A660-4615
 DESIGN: 100 P.S.I.
 WITH 10% IMPACT AND
 EDWARDS FOR RESISTANCE
 OF 150 P.S.I. (RESISTANCE
 FORCES NOT ACCOUNTED FOR)

CONTRACTOR TO BREAK OUT KNOCKOUT AS REQUIRED; INSTALL PIPE AND SECURE IN PLACE

KISTNER RECOMMENDS THE USE OF CABLE CONCRETE 1" MIN. 4'-0" X 16' MIN. RIGID FOR STRENGTH LOADING AT 10% OF EACH END SECTION

CODE	W _o	MAX PIPE OD	KO	R	T _o	H _o	H _o	H _o	T _o	V _o	FL	WEIGHT
PES-16	4"	15"	2"	5"	24"	6"	30"	6"	18"	6"		1,652.2 LBS.
PES-24	5"	29"	3"	8"	36"	8"	44"	12"	24"	6"		3,507.9 LBS.
PES-36	6"	40"	3"	7"	48"	8"	58"	18"	30"	6"		5,415.7 LBS.
PES-48	6"	48"	3"	7"	60"	8"	68"	30"	30"	6"		LBS.

TAKE A NEW LOOK AT
PRECAST
www.precast.org/newlook

CALL FOR YOUR FREE BROCHURE!

THE KONSTRUCTOR

"CONCRETE" SOLUTIONS FOR THE ENGINEERING COMMUNITY
CASE STUDY/PRESS RELEASE SOLUTION #106
Volume 1 Issue 6 June 1996

PRECAST PIPE END SECTION "THE PERMANENT SOLUTION"

Quick read:

Project: D256365

Location: Hamburg, NY

Owner: NYSDOT

Engineer: NYSDOT

Contractor: Accadia Enterprises

Manufacturer: Kistner Concrete Products, Inc.



Scope:

Precast Pipe End Section was found to be the permanent solution for NYSDOT. Versatility and flexibility are featured with 3 sizes of End Section to accommodate any type of pipe (10" - 36" PVC, CMP, RCP, etc.). The use of this solution eliminates deficient end treatments.

Project Significance:

The Precast Pipe End Section handles all pipe types: PVC, CMP, RCP or HDPE pipe. This unit is aesthetically pleasing, extremely functional and economical. In addition, a Cable Concrete Erosion Control system was utilized to provide scour protection on this project.

The Precast Pipe End Section system, as well as, Cable Concrete Erosion Control units were found to be the ideal solution for a variety of reasons:

1. Speed of construction
2. Project control
3. Short work window
4. High quality precast product
5. Total project economy



EPA—GREASE INTERCEPTOR DESIGN

EPA - GREASE INTERCEPTOR DESIGN



KISTNER CONCRETE PRODUCTS INC. MANUFACTURES - GREASE INTERCEPTORS FOR RESIDENTIAL & COMMERCIAL FACILITIES FROM 500 - 10,000 GAL. CAPACITY AND GREATER. CALL OUR ENGR STAFF FOR MORE INFORMATION.

**TAKE A
NEW LOOK AT
PRECAST**



"PRECAST WASTEWATER PRODUCTS"

SEPTIC TANKS, DISTRIBUTION BOXES, TANK RISER, PUMP & LIFT STATIONS



Quality Service



**Tank Availability from:
300 Gal. to 20,000 Gal.**



Distribution Box's



**Quality Product :
"Red Tag " Certified**



**Many Tank Styles
Available**



**Full Line of Risers &
Accessories**

**TAKE A
NEW LOOK AT
PRECAST**



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**1,000 GAL TO
1,000,000 GAL
AND LARGER**



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