

## Outlet Structures

### TYPE **D-W** ENDWALL:

OS-1	21" C.M.P. Max. Pipe Size
OS-2	36" C.M.P. Max. Pipe Size
OS-3	Maximum Pipe Size - 48" C.M.P. Max. Pipe Size
OS-4	Adjustable Sizes
OS-8	w/ Blocks & Trash Rack
OS-9	w/ Trash Rack
OS-10	w/ Trash Screen

OS-15	TYPE <b>D</b> ENDWALL:
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### STILLING BASIN:

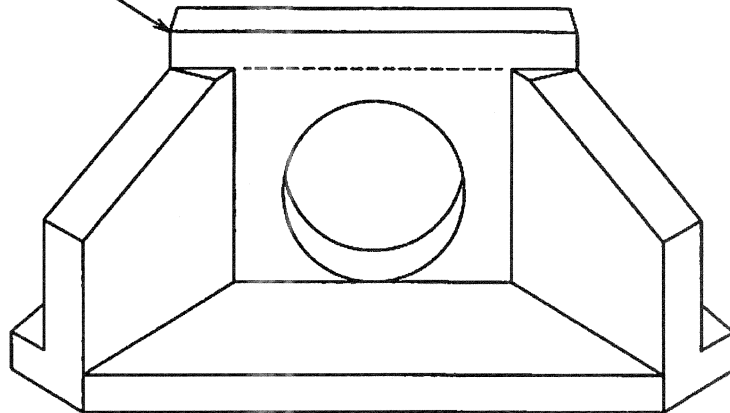
OS-16	18"
OS-17	30"
OS-17A	24"
OS-18	18"
OS-19	Energy Dissipator - 27" & 30" Pipes
OS-20	ENERGY DISSIPATOR - 27" & 30" Pipes



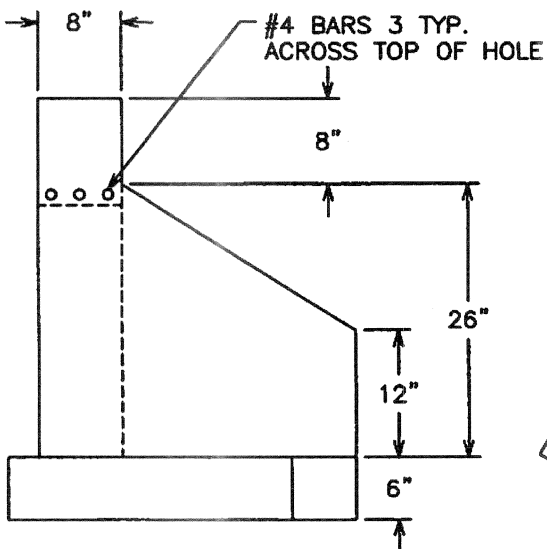
# CHESAPEAKE BAY SEPTIC TANK, LLC

Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products

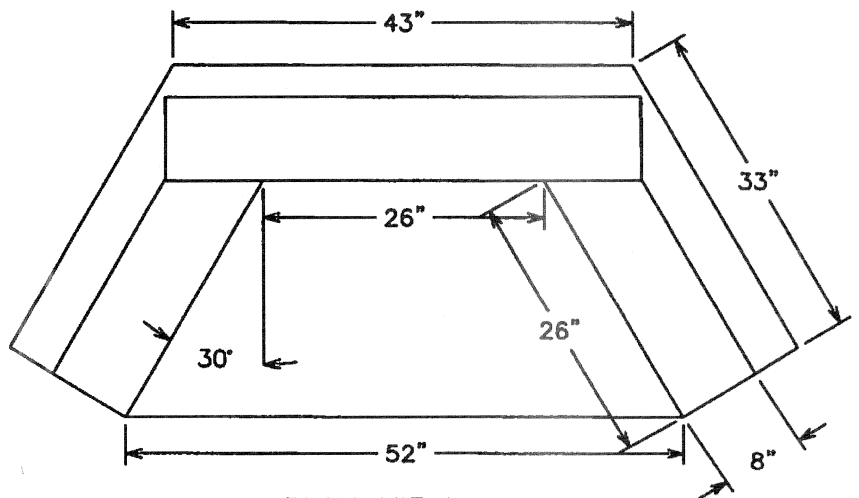
AVAILABLE WITHOUT  
TOP RISER SECTION



-ISOMETRIC-



-SIDE VIEW-



-PLAN VIEW-

NOTE: REINFORCEMENT TO BE 0.12 IN<sup>2</sup>/FT. EACH WAY

TYPE D-W ENDWALL  
MAXIMUM PIPE SIZE - 21" C.M.P.

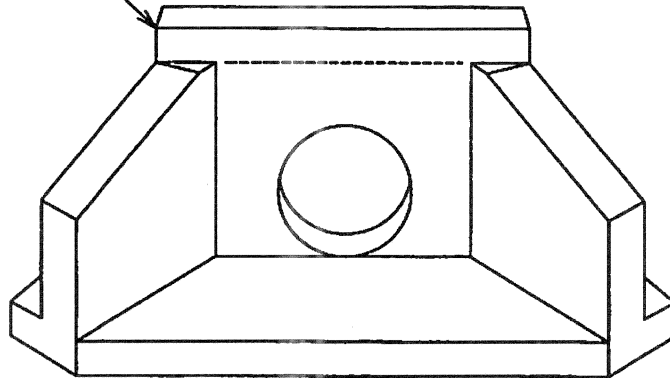
DWG. OS-1



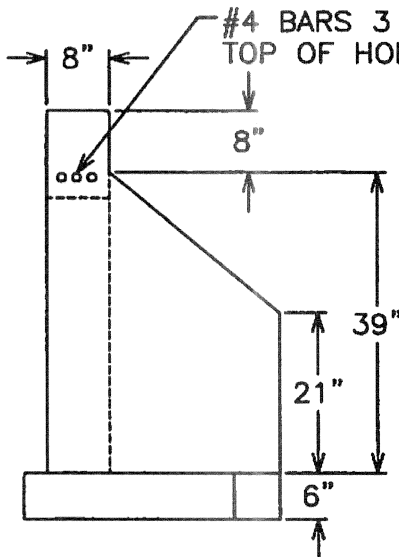
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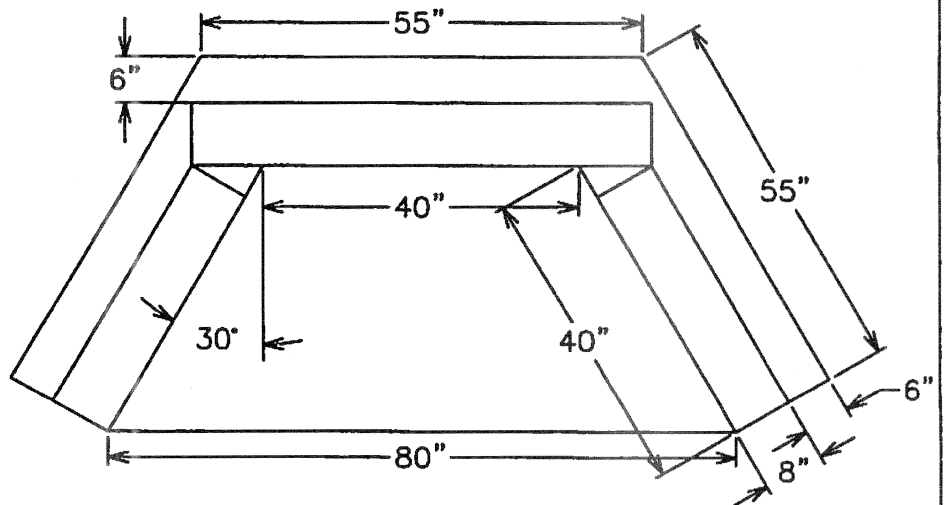
AVAILABLE WITHOUT  
TOP RISER SECTION



-ISOMETRIC-



-SIDE VIEW-



-PLAN VIEW-

NOTE: REINFORCEMENT TO BE 0.12 IN<sup>2</sup>/FT. EACH WAY

TYPE D-W ENDWALL  
MAXIMUM PIPE SIZE - 36" C.M.P.

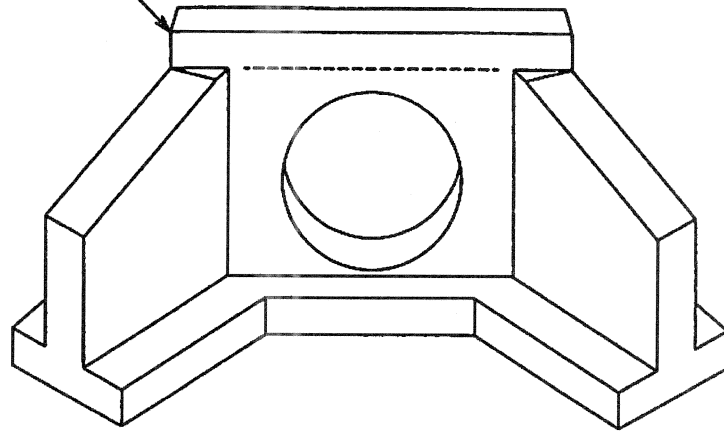
DWG. OS-2



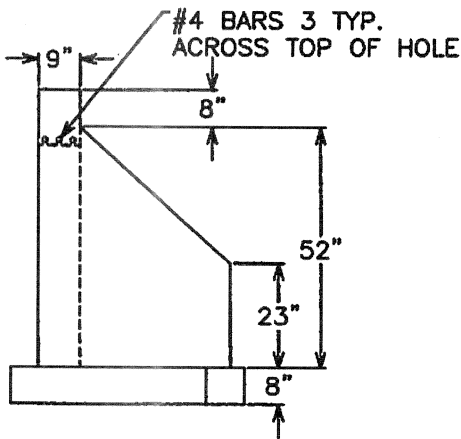
# CHESAPEAKE BAY SEPTIC TANK, LLC

Septic Installers' Local Distributor for Monarch Products Co. Inc.  
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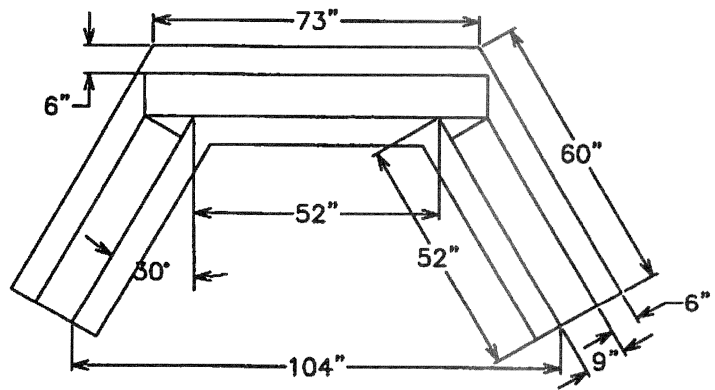
TOP RISER SECTION  
AVAILABLE



-ISOMETRIC-



-SIDE VIEW-



-PLAN VIEW-

NOTE: REINFORCEMENT TO BE 0.12 IN<sup>2</sup>/FT. EACH WAY

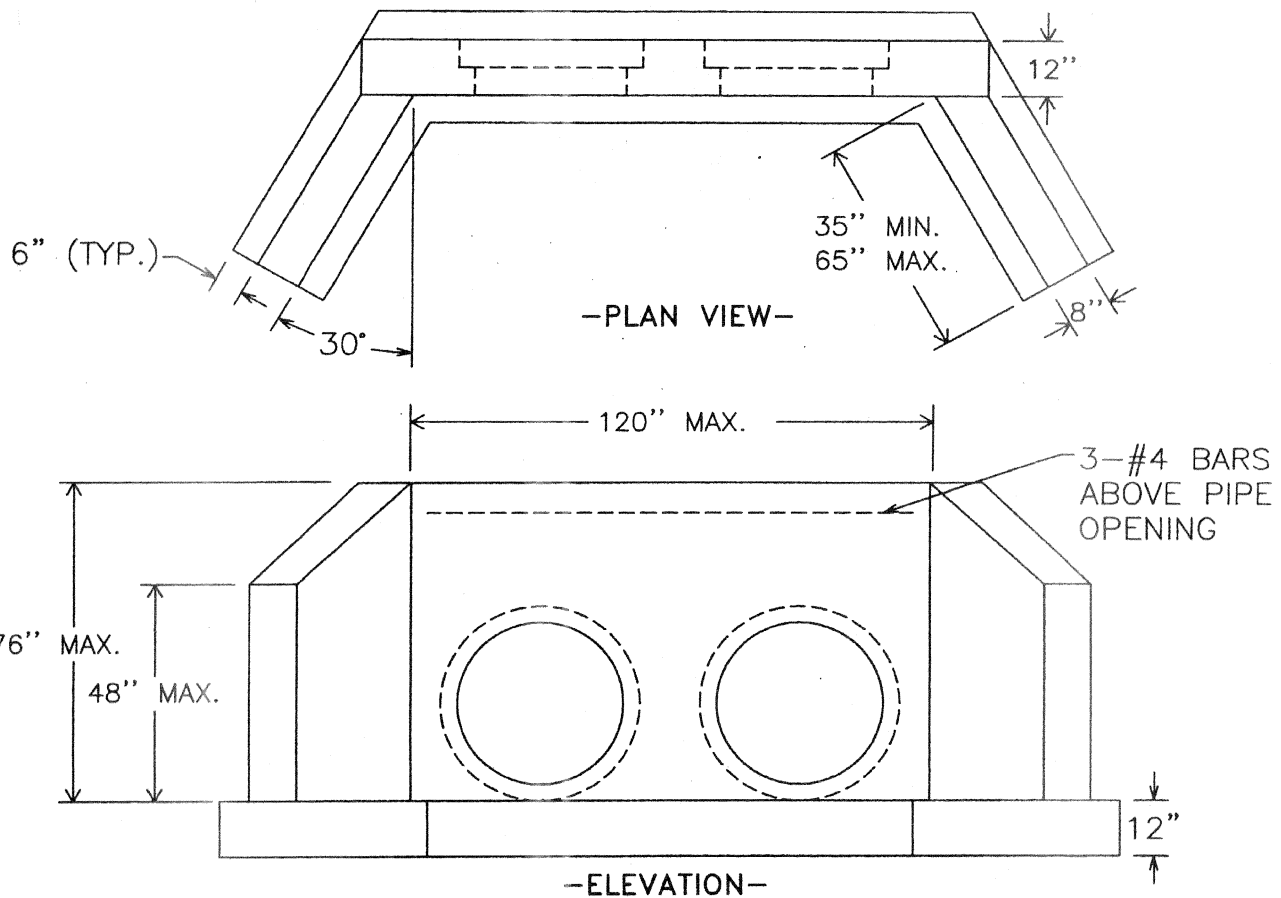
TYPE D-W ENDWALL  
MAXIMUM PIPE SIZE - 48" C.M.P.

DWG. OS-3



# CHESAPEAKE BAY SEPTIC TANK, LLC

Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products



NOTES:

- ALL EXPOSED EDGES TO HAVE  $\frac{3}{4}$ " CHAMFER
- MINIMUM 4000 P.S.I. CONCRETE
- REINFORCEMENT TO BE 0.12 IN<sup>2</sup>/FT. EACH WAY

TYPE DW ENDWALL  
ADJUSTABLE SIZES

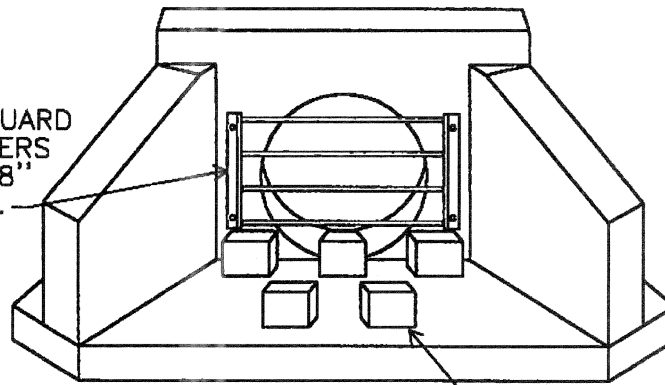
DWG. OS-4



# CHESAPEAKE BAY SEPTIC TANK, LLC

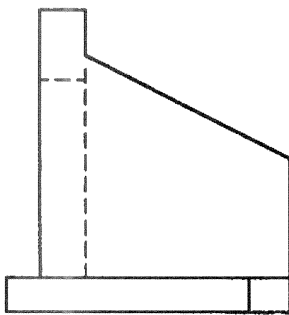
Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products

1/2" DIA. GALV. GUARD  
BARS ON 6" CENTERS  
ATTACHED WITH 3/8"  
DIA. S.S. ANCHORS.

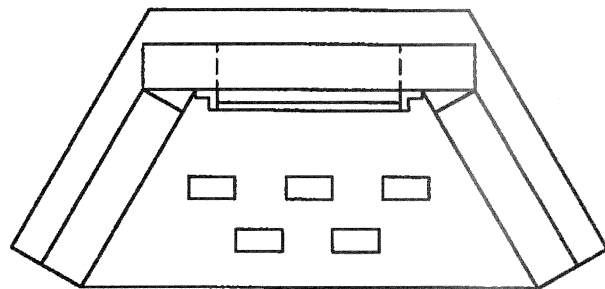


-ISOMETRIC-

4" X 8" CONCRETE  
BLOCKS 6" HIGH



-SIDE VIEW-



-PLAN VIEW-

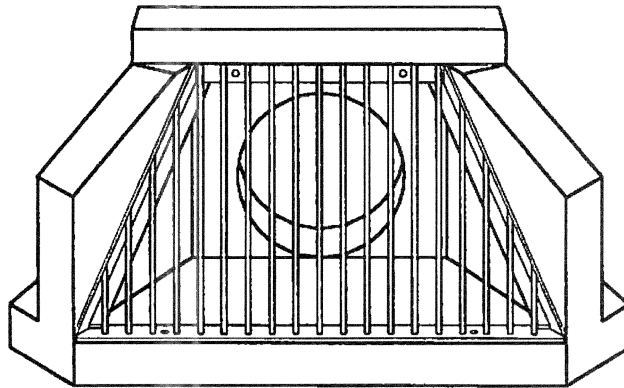
TYPE D-W ENDWALL  
W/ BLOCKS AND TRASH RACK

DWG. OS-8

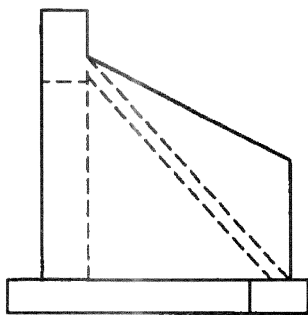


# CHESAPEAKE BAY SEPTIC TANK, LLC

Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products

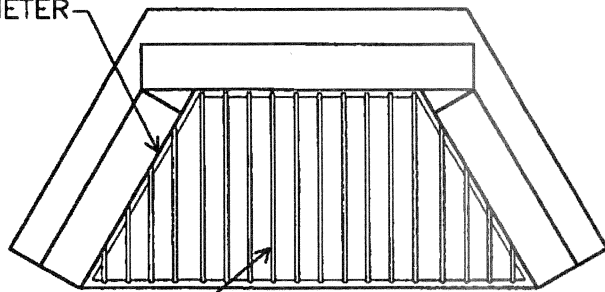


-ISOMETRIC-



-SIDE-

1/4" X 1 1/2" BARS  
ON PERIMETER



-PLAN-

BARS - 1/4" X  
1" AT 3" C.C.

### NOTES

- 1). MATERIAL TO BE HOT DIPPED GALVANIZED STEEL
- 2). ATTACH TRASH RACK TO HEADWALL WITH 3/8" DIA. S.S. ANCHOR BOLTS.
- 3). HINGED VERSION AVAILABLE.

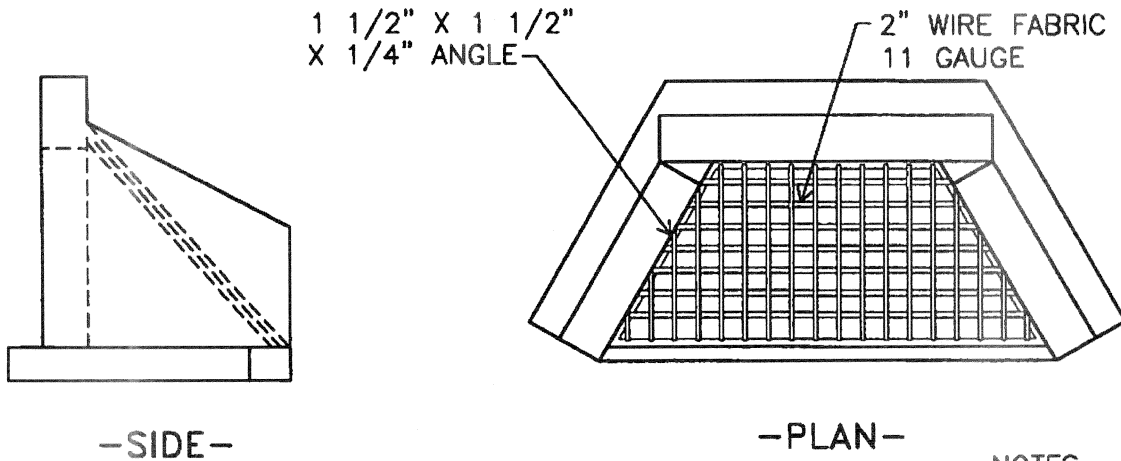
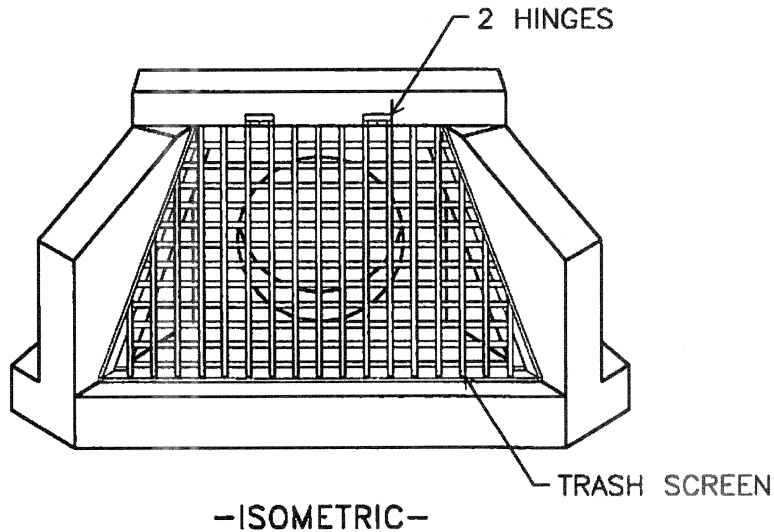
TYPE D-W ENDWALL  
W/ TRASH RACK

DWG. OS-9



# CHESAPEAKE BAY SEPTIC TANK, LLC

Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products



### NOTES

- 1.) TRASH SCREEN TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
- 2.) ATTACH HINGES TO HEADWALL WITH 3/8" DIA. S.S. ANCHOR BOLTS.
- 3.) NON-HINGED VERSION AVAILABLE.

TYPE D-W ENDWALL  
W/ TRASH SCREEN

DWG. OS-10

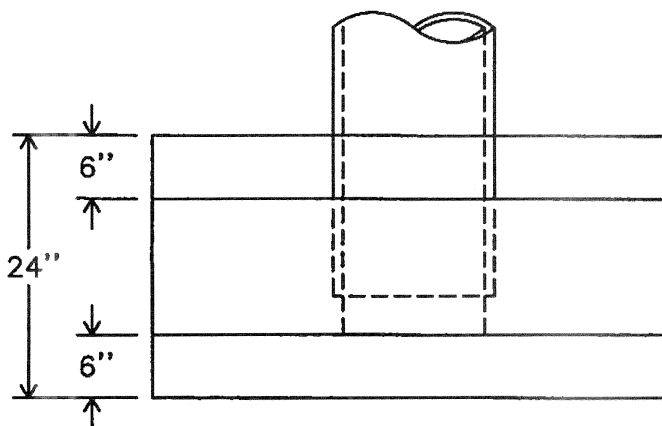




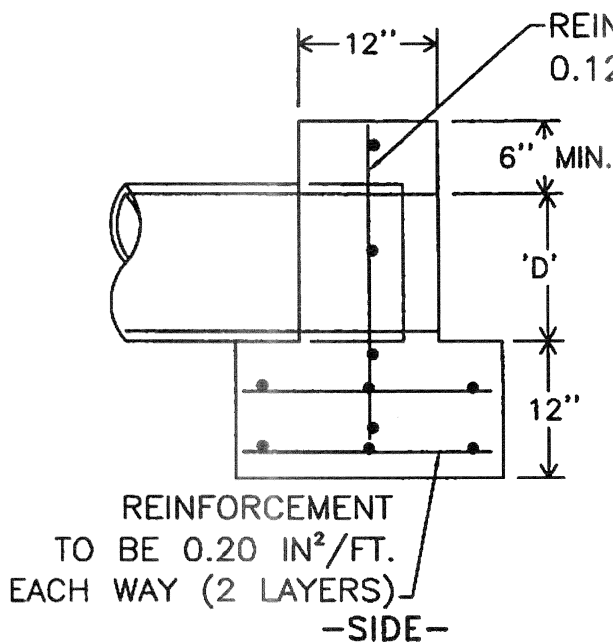
# CHESAPEAKE BAY SEPTIC TANK, LLC

Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products

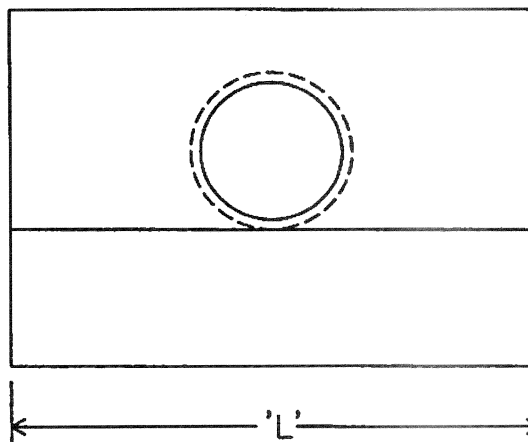
PIPE DIA.	L
21" & LESS	5'-0"
24" & 27"	7'-0"
30" & 33"	9'-0"



-PLAN-



-SIDE-



-ELEVATION-

\*MEETS PENN DOT RC-31 SPECIFICATION  
\*CUSTOM SIZES AVAILABLE

TYPE D PRECAST ENDWALL

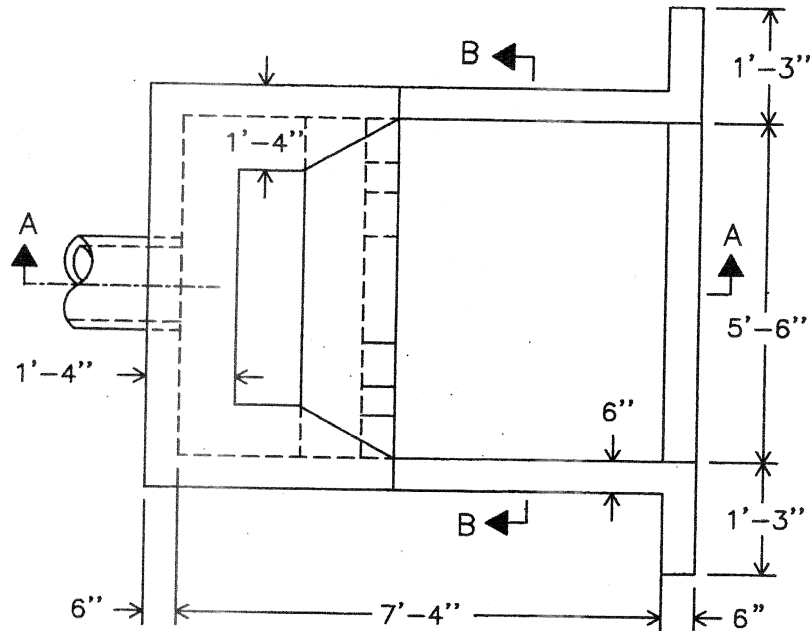
DWG. OS-15



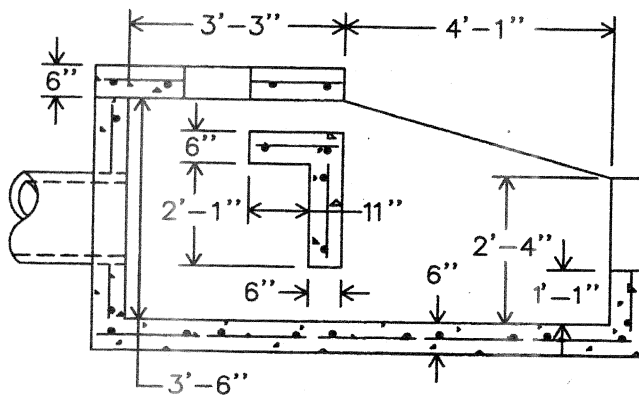
# CHESAPEAKE BAY SEPTIC TANK, LLC

Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products

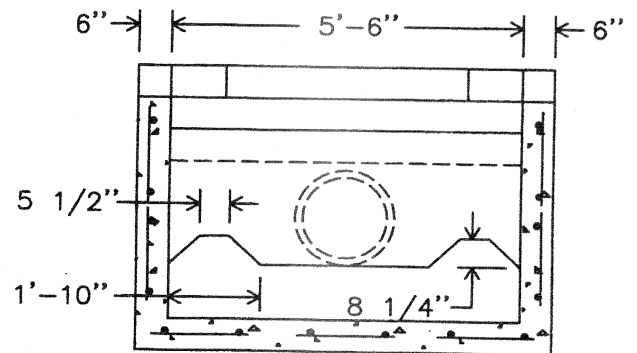
MAXIMUM RECOMMENDED  
PIPE SIZE - 18" DIAMETER



-PLAN-



-SECTION AA-



-SECTION BB-

NOTES:

1. CONCRETE TO BE 5,000 PSI @ 28 DAYS
2. REINFORCEMENT TO BE #4 BARS @ 12" C.C.E.W.

PRECAST STILLING BASIN - 18"

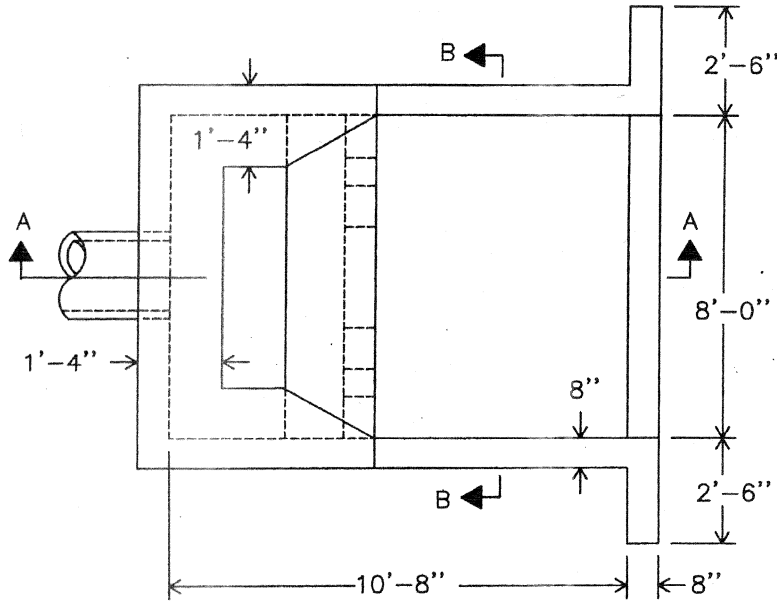
DWG. OS-16



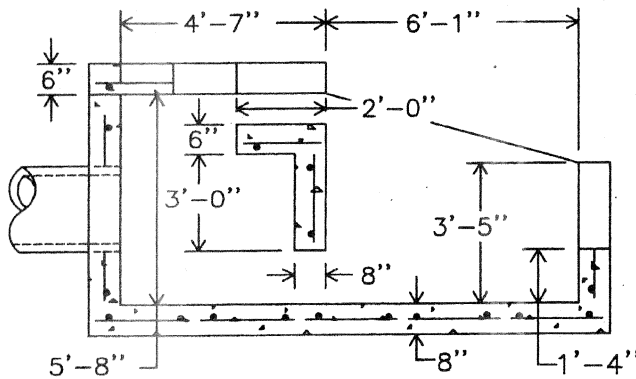
# CHESAPEAKE BAY SEPTIC TANK, LLC

Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products

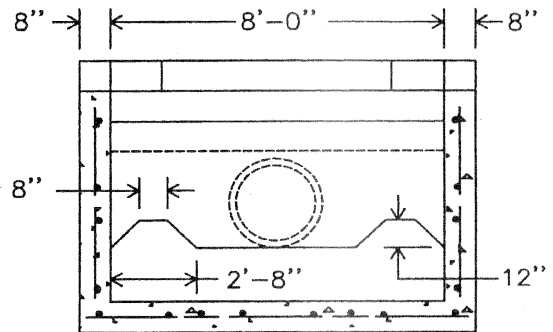
MAXIMUM RECOMMENDED  
PIPE SIZE - 30" DIAMETER



-PLAN-



-SECTION AA-



-SECTION BB-

NOTES:

1. CONCRETE TO BE 5,000 PSI @ 28 DAYS
2. REINFORCEMENT TO BE #4 BARS @ 10" C.C.E.W.

PRECAST STILLING BASIN - 30"

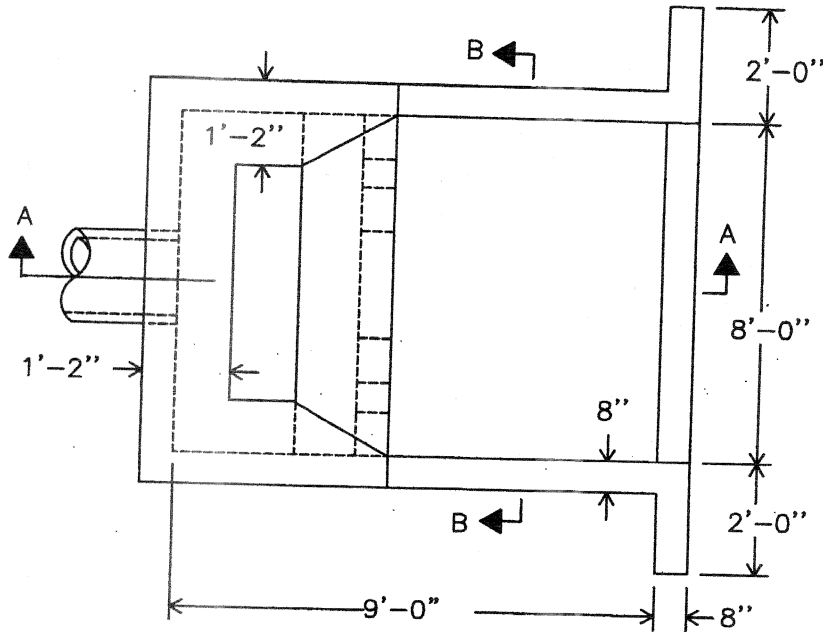
DWG. OS-17



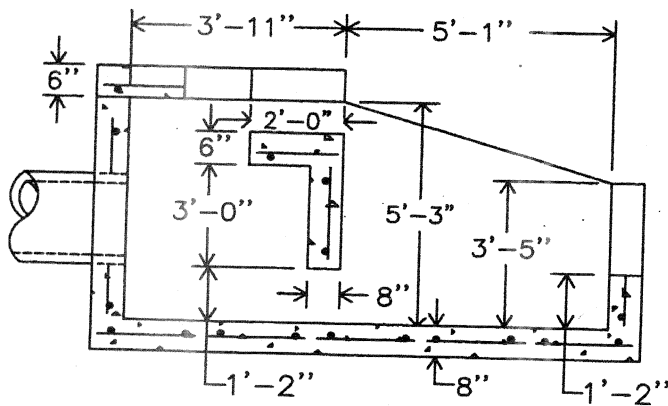
# CHESAPEAKE BAY SEPTIC TANK, LLC

Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products

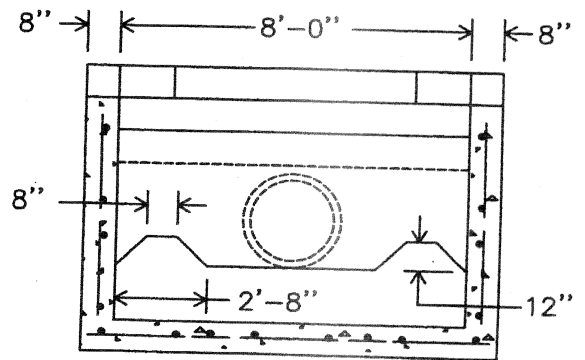
MAXIMUM RECOMMENDED  
PIPE SIZE - 24" DIAMETER



-PLAN-



-SECTION AA-



-SECTION BB-

NOTES:

1. CONCRETE TO BE 5,000 PSI @ 28 DAYS
2. REINFORCEMENT TO BE #4 BARS @ 10" C.C.E.W.

PRECAST STILLING BASIN - 24"

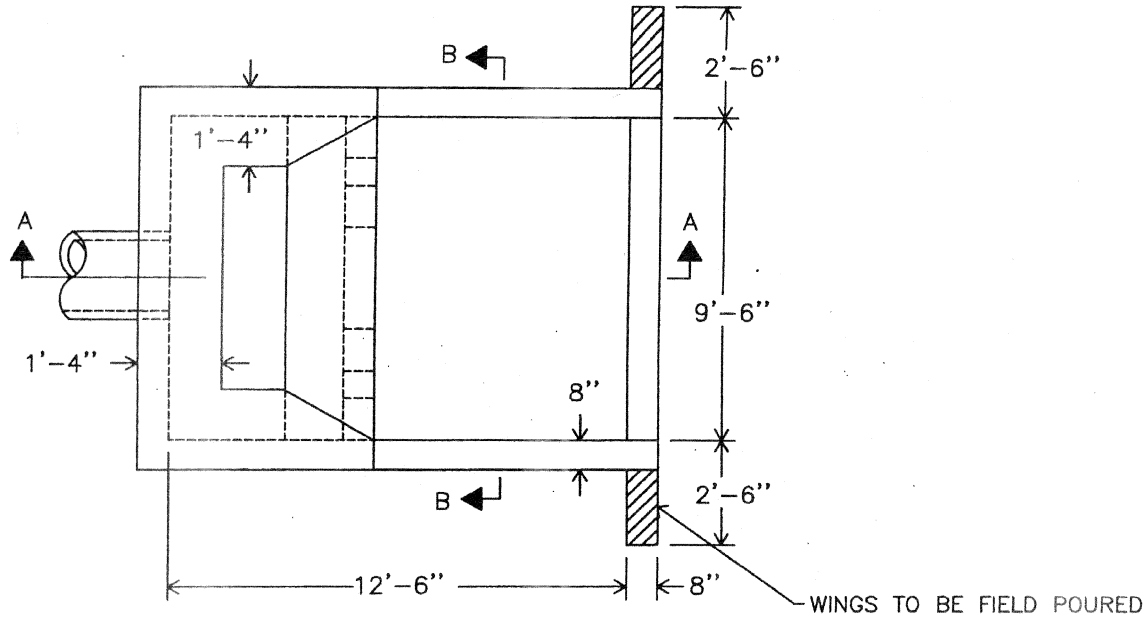
DWG. OS-17A



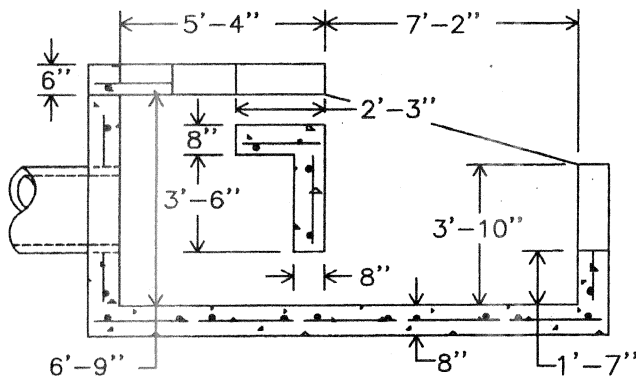
# CHESAPEAKE BAY SEPTIC TANK, LLC

Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products

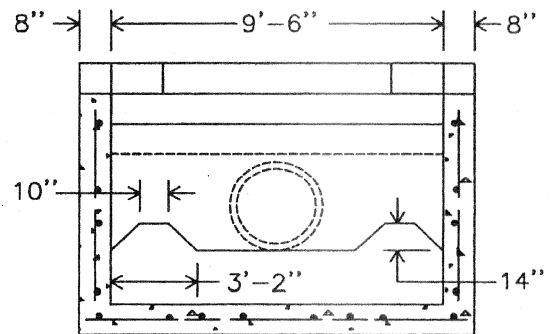
MAXIMUM RECOMMENDED  
PIPE SIZE - 36" DIAMETER



-PLAN-



-SECTION AA-



-SECTION BB-

NOTES:

1. CONCRETE TO BE 5,000 PSI @ 28 DAYS
2. REINFORCEMENT TO BE #5 BARS @ 12" C.C.E.W.

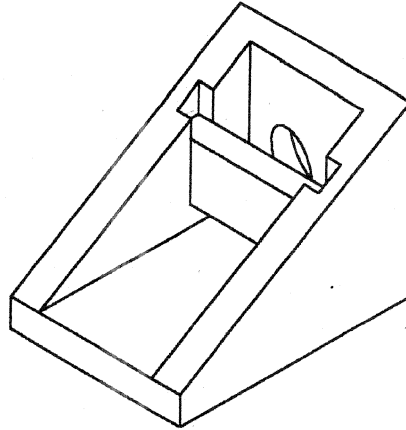
PRECAST STILLING BASIN - 36"

DWG. OS-18

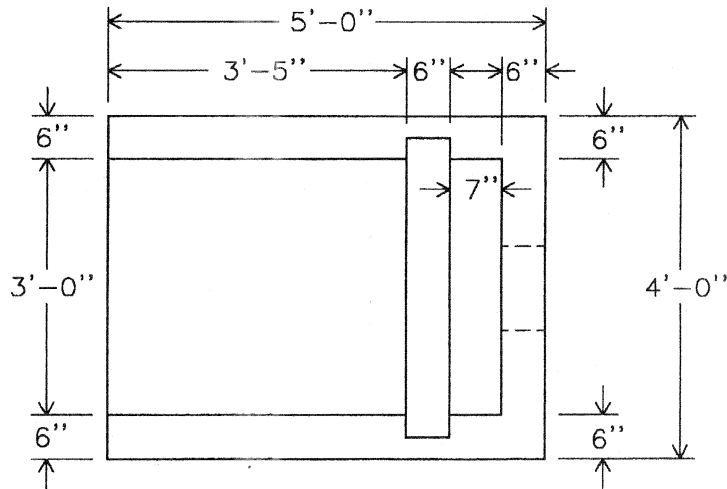


# CHESAPEAKE BAY SEPTIC TANK, LLC

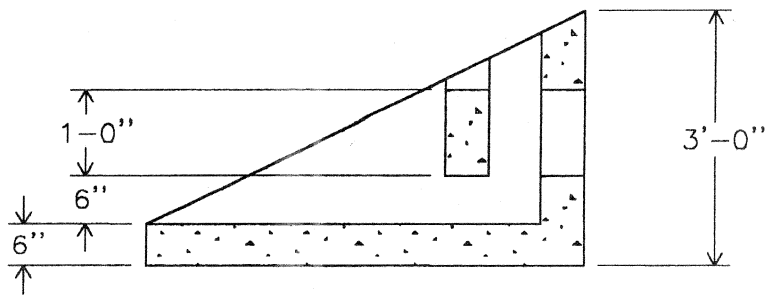
Septic Installers' Local Distributor for Monarch Products Co. Inc.  
Precast Concrete Products



- MAX. PIPE SIZE 15"
- LARGER CUSTOM SIZES AVAILABLE



-PLAN-



-SECTION-

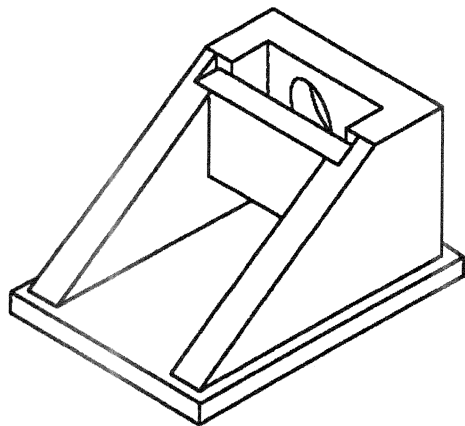
ENERGY DISSIPATOR

DWG. OS-19

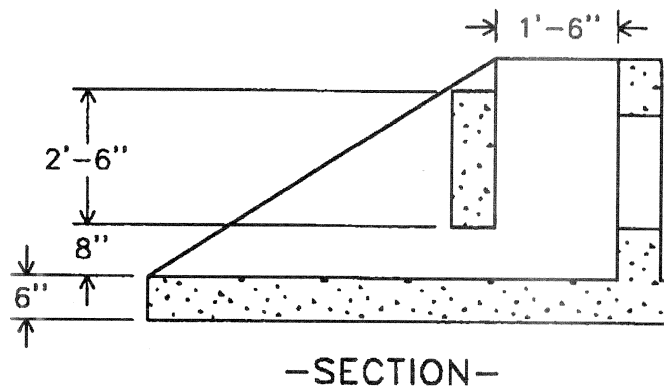
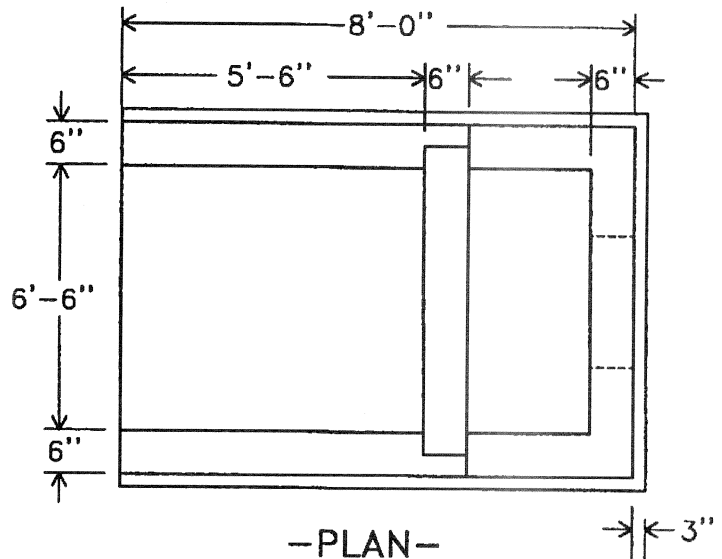


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Precast Concrete Products



-ISOMETRIC-



ENERGY DISSIPATOR -  
27" & 30" PIPES

DWG. OS-20